Plan & Architectural Review Meeting

Whitewater Municipal Building Community Room,
312 West Whitewater St., Whitewater, WI 53190
*In Person and Virtual

Monday, February 09, 2026 - 6:00 PM

Citizens are welcome (and encouraged) to join our webinar via computer, smart phone, or telephone. Citizen participation is welcome during topic discussion periods.

https://teams.microsoft.com/l/meetup-join/19%3ameeting_OGZmYzY1MGQtMGMyZC00ODk0LThjNjMtN2E4ODI0YWY1MjFk%40thread.v2/0?context=%7b%22Tid%22%3a%22d015a1a7-4cf9-4719-99d9-1d1ae1176df0%22%2c%22Oid%22%3a%22f5acfe74-3d75-4308-82ab-7f3bcc83e42a%22%7d

Dial in by phone
+1 929-229-5663,,299820176# United States, New York City
Find a local number
Phone conference ID: 299 820 176#

Please note that although every effort will be made to provide for virtual participation, unforeseen technical difficulties may prevent this, in which case the meeting may still proceed as long as there is a quorum. Should you wish to make a comment in this situation, you are welcome to call this number: (262) 473-0108.

AGENDA

CALL TO ORDER

ROLL CALL

APPROVAL OF AGENDA
A committee member can choose to remove an item from the agenda or rearrange its order; however, introducing new items to the agenda is not allowed. Any proposed changes require a motion, a second, and approval from the Committee to be implemented. The agenda shall be approved at each meeting even if no changes are being made at that meeting.

HEARING OF CITIZEN COMMENTS
No formal Plan Commission action will be taken during this meeting although issues raised may become a part of a future agenda. Specific items listed on the agenda may not be discussed at this time; however, citizens are invited to speak to those specific issues at the time the Council discusses that particular item.

CONSENT AGENDA

Items on the Consent Agenda will be approved together unless any commission member requests that an item be removed for individual consideration.

1. Approval of January 12, 2026 Minutes

PUBLIC HEARING FOR REVIEW AND POSSIBLE APPROVAL

2. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #'s 292-0515-3332-002 and 292-0515-3332-003 for Whitewater Creek Nature Area located at 685 N Fremont St from R-2(One and Two Family Residence District) to I (Institutional District).

CONSIDERATION/DISCUSSION/REPORTS

3. Discussion and possible approval of site plan for the Whitewater Middle School located at 401 S. Elizabeth Street. Tax Parcel #'s /WUP 00215, /WUP 00216 and /WUP 00213A .
4. Discussion and possible approval of the Site Plan for Whitewater High School located at 534 S Elizabeth Street. Tax Parcel # /WUP 00315A.
5. Discussion and possible recommendation to Common Council the sale of Parcel # 292-0515-3434-002 located in the Whitewater Business park on Endeavor Drive.
6. Update presentation by RDG about the Comprehensive Plan.
7. Training presentation for the Plan and Architectural Review Commission presented by City Attorney.

FUTURE AGENDA ITEMS

NEXT MEETING DATE MARCH 9, 2026

ADJOURNMENT

Anyone requiring special arrangements is asked to call the Office of the City Manager / City Clerk (262-473-0102) at least 72 hours prior to the meeting. Those wishing to weigh in on any of the above-mentioned agenda items but unable to attend the meeting are asked to send their comments to:

c/o Community Development
312 W. Whitewater Street
Whitewater, WI 53190
or ldostie@whitewater-wi.gov

A quorum of the Common Council might be present. This notice is given to inform the public that no formal action will be taken at this meeting by the Common Council.

City of WHITEWATER

Plan & Architectural Review Meeting

Whitewater Municipal Building Community Room,
312 West Whitewater St., Whitewater, WI 53190
*In Person and Virtual

Monday, January 12, 2026 - 6:00 PM

MINUTES

CALL TO ORDER

Meeting called to order at 6:00 p.m.

ROLL CALL

PRESENT
Chairman, Councilmember Neil Hicks
Board Member Tom Miller
Board Member Michael M.Smith
Board Member Marjorie Stoneman
Board Member Carol McCormick
Vice Chairman Lynn Binnie
Board Member Sherry Stanek

ABSENT
Board Member Bruce Parker

STAFF
Mason Becker, Community Development Director
Allison Schwark, Zoning Administrator
Llana Dostie, Zoning Specialist
Kevin Boehm, Parks and Recreation Director

APPROVAL OF AGENDA
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MOTION TO BRING ITEM # 16 UP BEFORE ITEM #4.

HEARING OF CITIZEN COMMENTS
No formal Plan Commission action will be taken during this meeting although issues raised may become a part of a future agenda. Specific items listed on the agenda may not be discussed at this time;

DRAFT

however, citizens are invited to speak to those specific issues at the time the Committee discusses that particular item.

None

CONSENT AGENDA

Items on the Consent Agenda will be approved together unless any commission member requests that an item be removed for individual consideration.

1. Approval of December 8, 2025 Minutes.

   Motion made by Board Member Miller, Seconded by Board Member Stanek.

   Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

PUBLIC HEARING FOR REVIEW AND POSSIBLE APPROVAL

2. Discussion and possible approval of a Conditional Use Permit for an Electronic Message Monument Sign to be located at 499 W Whitewater Street, Whitewater, WI 53190 for Home Lumber. Tax Parcel # /A92900001

   Zoning Administrator Schwark stated the owner is seeking to replace a current monument sign with a new monument sign that is slightly shorter and includes an electronic message sign.

   McCormick asked if there is a time frame for permits, is there a time limit for repairs.

   Zoning Administrator Schwark stated that when a conditional use is issued they have a year to start construction. If there was damage they would be be issued a zoning violation to repair with a deadline for compliance.

   Stanek asked if these signs are not allowed in a residential area.

   Zoning Administrator Schwark confirmed they are only allowed in non residential areas.

   Motion to approve the conditional use permit with planner's recommendations.

   Motion made by Board Member Stanek, Seconded by Board Member Stoneman.
   Voting Yea: Chairman, Councilmember Hicks, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek
   Voting Abstaining: Board Member Miller

3. Discussion and possible approval of a conditional use permit for alcohol by the drink for Violas Beer Here. Located at 617 E Milwaukee Street. Tax Parcel # /A288100002.

   Zoning Administrator Schwark stated that this is a conditional use permit for alcohol by the drink. Beer Here has been there for a long time. They have been selling alcohol by the drink for a long time. The ownership is changing. There have been modifications to the conditional use permit with changes in 2026 and 2008 for the current owner. The use is going to stay the same. There is a request for n outdoor private cafe permit which has been received there are some more items needed. If signage is changed they will need to apply for a sign permit.

Miller stated he has an issue with the operating hours. State Statute only states when the hours need to be closed not open.

Binnie stated that this could have been a stipulation with the owner in the past, we have done that before. It may have been due to the fact that residential is fairly close.

Zoning Administrator Schwark stated she listed what was on their application for hours of operation.

John Cordio just trying to normal hours set by the State 6 am to 2 am on week days and 6 am to 2:30 am on weekdends which is state approved hours.

Stanek asked if the hours would be 6 a.m.

Binnie wanted to clarify that the outdoor permit doesn't have to do with public sidewalks. It can apply to a private property permit.

McCormick asked if he had to reapply for this every year.

Zoning Specialist Dostie stated that the private cafe would require a conditional use if they plan to serve after 10:00 pm.

Zoning Administrator Schwark stated that this could be a discussion item for the conditional use.

John Cordio stated there is a current sign on the door that states no alcohol outside after 10 pm. It would be up to the new owner.

Smith asked if this could be added to the outdoor cafe.

Zoning Administrator Schwark stated they could come back to the commission if they would like that condition added to the conditional use permit.

Motion to approve to approve with planner's recommendation and changing #8 should follow state regulated hours.

Motion made by Board Member M.Smith, Seconded by Board Member Miller.
Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

4. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #/CL 00035 Big Brick Park located at 611 W Center Street from R-2 (One and Two Family Residence District) to I (Institutional District).

   See Skyway Park

5. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #/WSS 00018 Brewery Hill Park located at 116 North Street from B-2 (Central Business District) to I (Institutional District).

   See Skyway Park.

6. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #s /A392500001 & /WUP 000318 Clay Street Nature Park

located at 511 E Clay Street from R-2 (One and Two Family Residence District) to I (Institutional District).

See Skyway Park.

7. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #s/WUP 00264, TR 00018, TR 0017, TR 00016, WUP 00260, TR 00014A, TR 00012, TR 00010, A2960000001, A296000002 Cravath Lake Front Park located at 341 S Fremont Street from B-2(Central Business District), R-3 (Multi-Family Residence District) PD (Planned Development) to I (Institutional District).

   See Skyway Park.

8. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #s/OT 00037 and /OT 00038 Flat Iron Park located at 402 W Main Street from R-3 (Multi-Family Residence District) to I (Institutional District).

   See Skyway Park.

9. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # /OT 00013 Main Street Shoppes Courtyard Park located next to 110 N First Street from B-2 (Center Business District) to I (Institutional District).

   See Skyway Park.

10. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # 292-0515-3141-104 Meadowsweet Park located at 601 N Tratt Street from R-2 (One and Two Family Residence District) to I (Institutional District).

    See Skyway Park.

11. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #/TR 00001 Mill Race Park located next to dam from B-2 (Central Business District) to I (Institutional District).

    See Skyway Park.

12. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #/WES 00035 Minneiska Park located on Tanner Way from PCD (Planned Community Development) to I (Institutional District).

    See Skyway Park.

13. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #/WUP 00322 Moraine View Park located at 1201 Innovation Drive from M-1 (Manufacturing District) to I (Institutional District).

    See Skyway Park.

14. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # /MO 00051 located at 1602 Turtle Mound Circle from R-1 (One Family Residence District) to I (Institutional District).

    See Skyway Park.

15. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # /WUP 00036 Ray Trost Nature Preserve located next to 391 N Fremont Street from R-2 (One and Two Family Residence District) to I (Institutional District).

    See Skyway Park.

16. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # 292-0515-3141-104 for Skyway Park located on Tower Hill Pass from R-2 (One and Two Family Residence District) to I (Institutional District).

    Hicks stated that he lives in the area and doesn't want an approved use for trails. Would like a requirement of a conditional use for addition of trails.

    Stanek asked wouldn't a conditional use come to the commission.

    Hicks stated that the email he received from Zoning Administrator Schwark stated that a trail would be permitted use.

    Zoning Administrator Schwark stated Skyview Park currently doesn't have a trail system. If a trial or path or a walking path way was even desired to be put on any park it is technically a permitted use under the Institutional zoning district because it is a park use. The connective in that area doesn't make sense to add trails.

    Community Development Director Becker stated there is nothing for a walking trail to connect to in that section in the city.

    Zoning Administrator Schwark stated that this is just a proposed rezone and typically there are not conditions placed upon rezones. These conditions would require a zoning text amendment.

    Smith asked if there would be an a suitable zoning that would include Neil's concern.

    Zoning Administrator Schwark stated no not at this time.

    Parks and Recreation Director Boehm stated that the property looks very large but it is actually is very narrow. In the Parks and Open Space Plan there are not projected changes to this park.

    David Stone stated we could make a it a conditional use for a trail in the institutional zoning.

    Binnie suggested that we deal with the parks in one motion instead of each one.

    Zoning Administrator Schwark stated that in 2025 we made a change to the Institutional Code. Our current zoning map shows how our properties are zoned. In the past the parks were automatically placed in the zoning district with the subdivision. Institutional is designed for public uses, where people congregate. The reason for this is to protect and preserve this park land. Someone could be potentially building a house on a residential zoned land. We are not seeking any modification.

    David Dwyer 408 Ventura Lane for item 14 asked if there would be changes to use.

    Hicks stated that we typically don't respond during public comment but like Allison stated we are only looking at cleaning up the zoning to keep it a park.

Mason stated there no proposal to change the use of parks.

Motion to recommend the zoning change to the Common Council add #6 Clay Street Nature Park, Turtle Mound Park, Trippe Lake Park, Whitewater Effigy Mounds .

Motion made by Board Member Stanek, Seconded by Board Member McCormick. Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

17. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #'s /S 00009, /S 00018 and /S 00019 for Starin Park located at 504 w Starin Road from R-2 (One and Two Family Residence District) to I (Institutional District).

    See Skyway Park.

18. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # /WUP 00271A for Trippe Lake Park located at from R-1(One Family Residence District) to I (Institutional District).

    See Skyway Park.

19. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # /WPB 00043 for Walton East Gate Park located on Jakes Way from R-2(One and Two Family Residence District) to I (Institutional District).

    See Skyway Park.

20. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # 292-0515-3414-102 for Walton Oaks Park located at 654 Stonefield Lane from R-2(One and Two Family Residence District) to I (Institutional District).

    See Skyway Park.

21. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel # /WUP 00033 for Whitewater Bark Park located at 546 N Jefferson Street from R-2(One and Two Family Residence District) to I (Institutional District).

    See Skyway Park.

22. Consideration to Approve and Recommend to Common Council a change in the District Zoning Map to Rezone Parcel #'s /MO 00053 and /WUP 00160D3 for Whitewater Effigy Mounds Preserve located at 288 Indian Mound Parkway from R-1 (One Family Residence District) and R-1x (One Family Residence District to I (Institutional District).

    See Skyway Park.

23. Discussion and possible approval of a Conditional Use Permit for an Electronic Message Monument sign to be located at 402 W Main Street, Flat Iron Park for the City of Whitewater. Tax Parcel # /OT 00038.

Zoning Administrator Schwark stated that along with the rezone the City is seeking a conditional use for a monument sign with electronic message center sign at this park.

The rezone needs to be fully approved as a condition.

Stoneman asked if the groups are excited about it.

Parks and Recreation Director Boehm stated that the Tourism board gave us $50,000 toward the sign. We are no longer going to be putting up the banners. The sign will be north/south. It will be west of the fountain. It will be two sided.

McCormick asked in lieu of the banners will other organization be able to use it.

Parks and Recreation Director Boehm stated yes currently banners cost $100 but it will be less than that.

Hicks stated that both banner location will be no longer in use.

Stoneman stated you would be letting all the organizations know about the sign.

Stanek asked if this would be out before April and Arbor Day.

Motion made by Vice Chairman Binnie, Seconded by Board Member Stoneman.
Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

24. Discussion and possible recommendation to Common Council Childcare Ordinance.

Zoning Specialist Dostie explained that this was first presented to the board in April 2025. We were waiting for the state to do some changes, the state has upped the number from 8 to 12. We removed at the request of the board the R-3 multi-family residence district and added the B-3 and Institutional.

Binnie stated this is more than cleaning the code officially as we have not allowed residential district even though we have known we have had these in our residential area. It would be appropriate to use language that is identical to the state code. They call them Licensed Family Day Care Centers. Getting the word licensed in there would a good move. He would suggest that for the institutional ones to get the word licensed group day centers. Suggests doing some tweaking and bring it back.

Stanek stated it makes sense to use what the state says.

Smith asked if we have the ability to refer to the state statute.

Binnie asked about district R1X not being included.

Dostie stated it can be.

Motion to postpone to making ordinance identical to statute states.

Motion made by Vice Chairman Binnie, Seconded by Board Member Stanek.
Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

25. Discussion and possible recommendation to Common Council the creation of a Razing Buildings Ordinance.

Zoning Specialist Dostie stated that while reviewing our ordinance when razing City owned buildings it was noted that we did not have a standard procedure for doing so. We follow State Building codes. Having our our procedure would provide for the health and safety of our residents.

Stoneman stated she was happy to see that asbestos. Asked if lead paint would be included.

Zoning Specialist Dostie confirmed it would.

Zoning Administrator Schwark stated this zoning rewrite would be helpful for our department as a whole. Giving specific guidelines surrounding razing.

Miller asked if your had a garage and you take it down piece by piece is that considered razing.

Zoning Administrator Schwark stated that it would be considered a razing and would require a permit.

Binnie asked if the body wanted to go through all his nit picks or have him work with Llana. Code official means building official. The code states that the city manager is our building official.

Zoning Specialist Dostie stated building official is our building inspector.

Hicks asked that the new ordinance comes in as a redlined.

Motion to postpone to allow for further redline changes.

Motion made by Vice Chairman Binnie.
Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

26. Discussion and possible recommendation to Common Council the repeal of section 20.04.100.

Zoning Specialist Dostie stated that code enforcement appeals are currently going to Common Council. We had originally considered the Board of Zoning Appeals, however the City Attorney also stated that this is not the proper venue. Code Enforcement letters would fall under the Administrative Appeal under section 2.43 with the City Manager or his designee acting as an impartial reviewer. Once the matter reaches citations these appeals would be with the City Attorney and Municipal Judge.

David Stone stated there is a due process in Chapter 20 that this goes to Council. To get rid of this would of give less rights to citizens. He requests that an independent board look at this.

Stanek stated why wouldn't we send it to Board of Zoning Appeals.

Zoning Administrator Schwark stated that the Board of Zoning Appeals is only established to hear zoning use to grant a lenience or exception to our zoning standards. Our Zoning

ordinance is Title 19 and our Property Maintenance is Title 20. We currently have a contradictory ordinance. We have an administrative appeal procedure that is active in our ordinance to appeal a notice received from my department directly to the city manager and Title 20 states that appeal would go to Common Council.

Hicks asked if we wanted to know if there were other options other than the City Manager alone. Would another board be a possibility?

Smith stated that he can appreciate that there have not been appeals to Common Council.

Zoning Administrator Schwark stated that the letters do explain the appeals process.

No action taken

27. Discussion and possible recommendation to Common Council creating Permit Expirations.

Zoning Specialist Dostie explained that our permits currently use the state statutes related to when a permit expires which is 2 years. We are requesting a shorter timeframe for fences, siding, decks and accessory structures along with commercial remodels that are below $500,000.

Hicks asked if an interior remodel of a house would retain the 2 year.

Zoning Specialist Dostie confirmed that would stay at the 2 year.

Stanek asked this would be visible to the rest of the community.

Binnie made some suggestions; the first section make lower case e to upper. H permits for demolition make that razing and change the timeframe to make consistent.

Hicks asked about 60 days with the moving. Could they work with us if there are delays.

Zoning Specialist Dostie confirmed yes they could work with us for extension.

Hicks asked about those current permits, would they be grandfathered in.

Zoning Specialist Dostie confirmed that they would.

Motion to recommend to council with Binnie's changes.

Motion made by Chairman, Councilmember Hicks, Seconded by Board Member Stanek. Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

28. Discussion and possible recommendation to Common Council an amendment to the Sign Ordinance related to the number of wall signs.

Zoning Specialist Dostie stated that we are asking to make a change to our sign ordinance to allow for more than 1 wall sign on multi-tenant buildings. Currently once there is a wall sign, when a new person comes into another space they need a conditional use.

Stoneman asked if there would be a size limit.

Zoning Specialist Dostie stated yes they would still have to follow the size requirements of the sign ordinance.

Binnie asked if this would apply to single businesses as well as multi-tenant.

Zoning special Dostie clarified it would also include single businesses that wanted multiple signs on their buildings.

Stanek asked single and multiple.

Binnie stated this would be tripling the amount of wall signage and there is a maximum of 50 square feet of wall signage. Asked if this was reasonable amount.

Zoning Administrator Schwark stated that this is a reasonable amount. You're seeing so many conditional use applications come thorough because we are requiring a conditional use permit for anything over 1 wall sign.

McCormick stated if you had a free standing building you would want to have signage on those three sides. The back would be for a loading area.

Community Development Director Becker stated he felt that it was reasonable signage and visibility is very important. One reason businesses close is people may not be aware that they are there or what services they offer. Signage is expensive too, if you wanted to spend that money to enhance their business. It is very business friendly to make a change like this.

Motion to recommend to council wall signage for 3 still subject to 50 square feet maximum.

Motion made by Vice Chairman Binnie, Seconded by Board Member Stoneman.
Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

CONSIDERATION/DISCUSSION/REPORTS

29. Discussion and possible action regarding a special joint meeting between Plan Commission and Common Council regarding Comprehensive Plan.

Zoning Specialist Dostie stated that our Comprehensive Plan Provider RDG has requested that we provide dates for a potential joint meeting with PARC and Common Council. Their recommendation is that we do not do this on our normal meeting day for either group.

Hicks stated that Thursdays seem to be the most open. Monday's are PARC and Tuesday's are council.

September 3, 10, 24. Email to PARC members.

FUTURE AGENDA ITEMS

None.

NEXT MEETING DATE FEBRUARY 9, 2026

ADJOURNMENT

Meeting adjourned at 7:58 p.m.

Motion made by Board Member Stanek, Seconded by Board Member Miller.
Voting Yea: Chairman, Councilmember Hicks, Board Member Miller, Board Member M.Smith, Board Member Stoneman, Board Member McCormick, Vice Chairman Binnie, Board Member Stanek

M E M O R A N D U M

To: City of Whitewater Plan and Architectural Review Commission

From: Allison Schwark, Zoning Administrator

Date: February 9, 2026

Re: Rezone Requests for Whitewater Creek Nature Area

Summary of Request	
Requested Approvals:	Zoning Map Amendment (Rezone Request)
Location:	685 N Fremont Street (292-0515-3332-002 and 292-0515-3332-003)
Current Land Use:	Park Land
Proposed Land Use:	Park Land
Current Zoning:	R-2, One and Two Family Residence District
Proposed Zoning:	I Institutional
Future Land Use, Comprehensive Plan:	Institutional

Rezone Review

The City of Whitewater seeks to rezone two parcels of land within the City of Whitewater, located at 685 N Fremont Street. The parcels are currently being utilized as park land, and nature preserve area, otherwise known as Whitewater Creek Nature Area. The City of Whitewater recently modified the Institutional Zoning Code to become more consistent with the Comprehensive Plan for the City of Whitewater. The amendment more clearly defined Institutional Zoning Uses in the City of Whitewater. The Future Land Use Plan shows these parcels designated as Institutional zoned property in the future, and the City of Whitewater is taking applicable and appropriate action to rezone these parcels to align with our Comprehensive Plan, and Zoning Ordinance. These two parcels are currently zoned R-2, which is not considered

to be consistent with the use of a public recreation area such as a park. The City of Whitewater petitions to rezone these parcels to responsibly protect parkland from becoming developed or utilized in a way that is not consistent with the goals and objectives in our comprehensive plan which supports the need for public open space and green space.

Planner's Recommendations

1) Staff recommend that Plan Commission recommend **APPROVAL** of the above mentioned rezone request for 685 N Fremont Street to the City of Whitewater Common Council as the rezone meets all requirements of the Institutional zoning district and is consistent with the comprehensive plan and future land use plan.

Print

Rezone Application - Submission #2101

Date Submitted: 12/8/2025

City of Whitewater
312 W Whitewater Street
PO Box 178
Whitewater, WI 53190
262-473-0540
www.whitwater-wi.gov

Neighborhood Services

Rezone Application

Rezone Application Checklist (Please read)

Applicant

1. Fill out Planning Request Form, Rezone Form, and Plan of Operation Form. Twelve (12) copies
   11 x 17, a digital copy of all submittal material:
   a. Any other materials2. Application shall include the following Plan requirements:
   a. All plans shall be drawn to scale and show all sides of the proposed building
   b. All plans will exhibit property exterior building materials and colors to be used
   c. All plans will exhibit proposed/existing off-street parking stalls and driveway/loading docks
   d. Building elevations must include the lot on which the structure is to be built and the street(s) adjacent to the lot

3. Submit fee to the City of Whitewater

City Building Inspector/Zoning Administrator

1. Review application for accuracy and all required information

2. Staff will review information for conformance to Ordinances

3. Engineer will review Stormwater and Erosion Control Plans
4. Landscape Plan will be reviewed by Urban Forestry
5. When application is complete and approved by all Staff it will then be forwarded to Plan Commission

Process

1. Plan Commission considers applicant's review is presented by Zoning Administrator, at the first initial appearance. If Plan Commission recommends changes and/or revisions, then the applicant must revise site plan, otherwise the matter is forwarded as is for the second appearance for approval/denial of the final site plan

NOTE: Plan Commission normally meets the second Monday of each month at 6:00 p.m. If a public hearing is required it will be scheduled at the beginning of the Plan Commission meeting.

Taylor Zeinert, Economic Director
262-473-0148
tzeinert@whitewater-wi.gov

Llana Dostie, Neighborhood Services Administrative Assistant
262-473-0144
ldostie@whitewater-wi.gov

Allison Schwark, Municipal Code Enforcement
262-249-6701
mcodeenforcement@gmail.com

Site Plan Choose File No fi…sen

Landscaping Choose File No fi…sen

MSDS Sheet Choose File No fi…sen

Other Information Choose File No fi…sen

Planning Request (check all that apply)

1. General Project Information:

Project Tax Key #*

All City Owned Parks

Project Address*

Multiple Addresses and locations

City*

Whitewater

State*

WI

Zip Code*

53190

Project Title (if any)

2. Applicant, Agent & Property Owner Information

Applicant's Name*

Kevin Boehm

Applicant's Company*

Parks and Rec Director

Address*

312 W Whitewater Street

City*

Whitewater

State*

WI

Zip Code*

53190

Phone Number*

262-0122

Email Address*

kboehm@whitewater-wi.gov

Agent Name

Agent Company

Address

City

State

Zip Code

Phone Number

Email Address

Owner's First Name (if different from applicant)

Owner's Last Name

Address

City **State** **Zip Code**

Phone Number

Email Address

3. Planning Reqeust (Check all that apply)*

- [ ] Site Plan and Architectural Review $150.00 plus $0.05 per s. ft (Floor Area)
- [ ] Conditional Use Permit $275.00
- [x] Rezone/Land use Amendment $400.00
- [ ] Planned Unit Development $500.00
- [ ] Preliminary Plan $175.00
- [ ] Final Plat $225.00
- [ ] Certified Survey Map $200.00 plus $10.00 per lot
- [ ] Project Concept Review $150.00
- [ ] Joint Conditional Use & Certified Survey Map $500.00 plus $10.00 per lot
- [ ] Joint Rezoning & Certified Survey Map $500.00 plus $10.00 per lot
- [ ] Joint Site Plan & Conditional Use $350.00 plus $0.05 per sq ft (Floor Area)
- [ ] Board of Zoning Appeals/Adjustment $300.00

Will translation services be needed during the Plan Board meeting?*

- [ ] Yes
- [x] No

If yes, please specify the language required.

Rezone Application

I, (We) the undersigned owner(s)/agent do hereby petition the Plan Commission to grant a Zoning Amendment.

Address and legal description of the subject site*

Multiple address relates to all City Parks

Tax Parcel #*

Multiple

Current Zoning District*

R-1, R-1x, R-2 and M-1

Requested Zoning District*

I

Requested zoning text amendment Section*

N/A

Petitioner's interest in requested rezoning*

Director of Parks and Recreation and Owner

List type and number of structures, proposed operation or use of the structure(s) on site, number of employees, parking, etc.*

N/A

Property Owner Signature*

Kevin Boehm

Owner's Agent Signature

Property Owner's Address*

312 W Whitewater Street

Owner's Agent Address

Property Owner's Phone Number*

262-473-0122

Owner's Agent Phone

Property Owner's Email*

kboehm@whitewater-wi.gov

Owner's Agent Email

Zoning #

Application Reviewed by

Date

Date Filed

Date Published

Date Notices Mailed

Plan Commission Recommendation

Date of Recommendation

Plan of Operations

Property Information

Property Tax Key #*

Multiple

Property Address*

N/A

Property Owner*

City of Whitewater

Owner's Mailing Address*

312 W Whitewater Street

City, State and Zip Code*

Whitewater, WI 53190

Owner's Phone #*

262-473-0122

Tenant Information

Previous Business Name*

N/A

Years in Operation*

N/A

New Business Name*

N/A

Name of Operator*

N/A

Operator's Mailing Address*

N/A

City, State and Zip Code*

N/A

Owner's Email*

kboehm@whitwater-wi.gov

Operator's Phone and Email*

N/A

New Business Use/Operation Information

Description of Business Use or Operations*

Public Parks

Previous Use of Space*

N/A

Hours of Operations (Weekdays)*

6-Midnight, Effigy Sunrise to Sunset

Hours of Operations (Weekend)*

6-midnigh, Effigy Sunrise to Sunset

Total Area Space (SQF)*

N/A

 # Toilet Fixtures*

N/A

 # Full Time Employees*

N/A

 # Part Time Employees*

N/A

Customer Seating*

- [ ] Yes
- [x] No

Seating Capacity*

N/A

Total Employee Hours Per Year (include yourself if self-employed)*

N./A

Sprinkler System*

- [ ] Yes
- [x] No

Hazardous/Flammable Chemicals used/stored*

- [ ] Yes (must attach MSDS sheets)
- [x] No

Specified Use of the Property and Building(s)

Building A*

N/A

Building B

Building C

Will there be any problems resulting form this operation such as (check all that apply)*

- [ ] Odors
- [ ] Smoke
- [ ] Noise
- [ ] Light
- [ ] Vibrations
- [x] None

Parking

Dimension of parking lot*

N/A

Number of Spaces available*

N/A

Parking lot constructon*

- [x] Asphalt
- [ ] Concrete

Type of Screening*

- [x] Fencing
- [ ] Plantings

Is employee parking included in "number of space available"?*

- [ ] Yes
- [x] No

Signage (Sign Permit Application Needed)

Type *

- [ ] Free standing
- [x] Monument
- [ ] Projecting
- [ ] Awning/Canopy
- [ ] electronic Message
- [ ] Pylon
- [ ] Arm/Post
- [ ] Window
- [ ] Mobile/Portable or Banner
- [ ] Other
- [ ] None

If other describe

Location of Signs

Front of each park

Entertainment

Is there any type of music in this proposal?*

- [ ] Yes (Separate License from Clerk's Office Required)
- [x] No

Live*

- [ ] Yes
- [x] No

When will this be offered to customers (check all that apply)

- [ ] Monday
- [ ] Tuesday
- [ ] Wednesday
- [ ] Thursday
- [ ] Friday

What time (s) will this be offered

Outdoor Lighting

Type*

No change to current lighting

Location*

n/A

Utilities

Will you be connected to City*

- [x] Water
- [ ] Sewer

Is there a private well on-site?*

- [ ] Yes
- [x] No

Types of Refuse Disposal*

- [x] Municipal
- [ ] Private

Approval Date by the Department of Natural Resources of the well proposed

Approval Date by the County Health Department of existing septic system

What types of sanitary facilities are to be installed for the proposed operation

Surface water drainage facilities (describe or include in site plan)

Licenses/Permits

Is a highway access permit needed from the State, County or Local Municipality*

- [ ] Yes
- [x] No

Is a cigarette license required? (Separate license from Clerk's Office)*

- [ ] Yes
- [x] No

Is a liquor license required? (Separate license form Clerk's Office)*

- [ ] Yes
- [x] No

Did Wisconsin Department of Safety and Professional Services Division of Industry Services approve building plans*

- [ ] Yes
- [x] No

Permitted Property Uses (Check all that apply)*

- [ ] Single Family Dwelling
- [ ] Two Family Dwelling
- [ ] Modular Home
- [ ] Manufactured Home
- [ ] Second or greater wireless telecommunication facility
- [ ] Home occupations/professional home office for nonretail goods and services no customer access
- [ ] Multi-Family Dwellings
- [ ] Art, Music and School supply stores and galleries
- [ ] Antique, collectible and hobby craft shops
- [ ] Automotive and related parts stores, without servicing
- [ ] Hotels and motels
- [ ] Small appliance repair stores, computer or software sales and service
- [ ] Banks and other financial institutions without drive-thru facilities
- [ ] Camera and photographic supply stores
- [ ] Caterers
- [ ] Clothing, Shoe Stores and repair shops
- [ ] Clinics medical and dental
- [ ] Drug Stores
- [ ] Florist Shops
- [ ] Food and convenience stores without gasoline pumps
- [ ] Furniture stores
- [ ] Hardware stores
- [ ] Insurance agencies
- [ ] Barbershops/Beauty Parlors
- [ ] Liquor stores without drive-thru facilities
- [ ] Resale shops
- [ ] Professional and Business offices
- [ ] Self-service laundries and dry-cleaning establishments
- [ ] Stationery stores, retail office supply stores
- [ ] Movie theaters
- [ ] Tourist homes and bed and breakfasts
- [ ] Bakeries or candy stores with products from sale on premise only
- [ ] Appliance repair stores, including computer sales and service
- [ ] Coffee Shops
- [ ] Cultural arts centers and museums
- [ ] Post Offices
- [ ] Ice cream shops and cafes
- [ ] Agricultural services
- [ ] Lumberyards, building supply stores and green houses
- [ ] Manufacturing, fabrication, packing, packaging and assembly of products from furs, glass, leather, metals, paper, plaster, plastic, textiles, clay, woods and similar material
- [ ] Research facilities, development and testing laboratories including testing facilities and equipment
- [ ] Retail sales and services linked to manufacturing or warehousing

- [ ] Production, or processing, cleaning, servicing, testing or remailer or materials, goods or products limited o the following uses, products, components, or circumstances:
- [ ] a. Electronic and electrical products instruments, such as transistors, semiconductors, small computers, scanners, monitors and compact communication devices
- [ ] b. High technology products related to the fields of physics, oceanography, astrophysics, metallurgy, chemistry, biology or other scientific field offered for study by University of Whitewater
- [ ] c. Laser technology, radiology, x-ray and ultrasound products, manufacturing and assembly
- [ ] d. Medical and dental supplies
- [ ] e. Optical, fiber optical and photographic products and equipment
- [ ] f. Orthopedic and medical appliances such as artificial limbs, brace supports and stretchers
- [ ] g. Products related to process design, process stimulation, computer hardware and software development, safety engineering
- [ ] h. Scientific and precision instruments and components, including robotics
- [ ] Jewelry stores
- [ ] Meat Markets
- [ ] Paint, Wallpaper, interior decorating and floor covering stores
- [ ] Restaurants without drive-thru facilities
- [ ] Sporting goods stores
- [ ] Variety stores
- [ ] Charitable or nonprofit institution and facilities
- [ ] Light assembly uses including electronics, pottery, printing, contractor shops (heating, electrical, plumbing, general contracting) provided that there are no significant environmental emissions (odor or waste)
- [ ] Catalog and e-commerce sales outlets
- [ ] Day spas
- [ ] Gift Shops
- [ ] Public parking lots
- [ ] Tourist information and hospitality centers
- [ ] Dance Studio
- [x] College, Universities, Schools, Churches, Libraries, Government buildings,
- [ ] Private recreation facilities
- [ ] Freight terminals, trucking servicing and parking, warehousing and inside storage
- [ ] More than one principal structure on a lot when the additional building is a material and direct party of the primary business
- [ ] Pilot plants and other facilities for testing manufacturing, processing or fabrication methods or for the testing of products or materials
- [ ] Telecommunication centers (not including wireless telecommunication facilities)

**Permitted Conditional Uses (Please check all that apply*

- [ ] Planned Residential Development
- [ ] First telecommunications facility located on alternative structure only
- [ ] Attached townhouse dwellings up to four units per building
- [x] Public and semipublic uses
- [ ] Multifamily dwellings and attached dwellings, over four units (new construction only)
- [ ] Any building over forty feet
- [ ] Converstion of existing structures resulting in more dwelling units
- [ ] Dwelling units with occupancy of six or more unrelated persons
- [ ] Home Offices/Professional Home offices requiring customer access
- [ ] Bed and Breakfast establishments
- [ ] Conversation of existing single-family dwellings to two-family attached dwellings
- [ ] Professional business offices in a building where principal use is residential
- [ ] Fraternity or sorority house and group lodging facilities
- [ ] Planned Development
- [ ] Conversion of existing units with less than five bedrooms to five or more bedrooms
- [ ] Entertainment establishments, including clubs but excluding adult entertainment
- [ ] All uses with drive-in and drive-thru facilities
- [ ] Automobile repair and service
- [ ] Taverns and other places selling alcoholic beverages by the drink
- [ ] Daycare centers, adult, child and doggie
- [ ] Large Retail and Commercial Service Developments
- [ ] Motor Freight Transportation
- [ ] Light manufacturing and retail uses
- [ ] Automobile and small engine vehicle sales and rental facilities
- [ ] Car washes
- [ ] Gasoline service stations, including incidental repair and service
- [ ] Funeral homes and crematory servcies
- [ ] Liquor or tobacco stores
- [ ] Wholesale trade of durable and nondurable
- [ ] Salvage Yards

Signatures

By signing below, I certify that the above information is true and accurate account of hte information requested for my business site and its operation and use. Should an inspection be required, I agree to all the Inspector(s) reasonable access to the space to verify compliance with the Municipality's Ordinance. In addition, I fully understand that completion of this or its approval does not preclude me from complying with all applicable state Statutes or Municipal Ordinances regarding my business and its lawful operations.

Applicant's Signature*	**Date***
Kevin Boehm	12-8-2025

Inspector's Signature

Date

Cost Recovery Certificate and Agreement

Pursuant to Ordinance 19.74.010 and 16.04.270 of the City of Whitewater Municipal Code

The undersigned applicant hereby acknowledges and agrees to be bound by Ordinances 19.74.010 and 16.04.270 of he City of Whitewater Municipal Code, providing for city recovery of all city costs and disbursements incurred directly or indirectly related to the Applicant's request. All costs incurred by the city in the consideration of any requests by the Applicant related to the Applicant's request shall be recoverable, including by not limited to, all professional and technical consultant services and fees retained by the city and rendered in review of any application, including the engineer, planner, attorney, or any other professional or expert hired by the village for purposes of review of the application or pre-submission request. The Applicant agrees to reimburse the City for all costs recoverable pursuant to the terms of the above numbered ordinance within the time period set forth by the City of Whitewater Municipal Code. At no time shall any cost recoverable fees be waived, except through the process of a written request by the Applicant and the Common Council, review and evaluation by the Common Council, and official action taken by the Common Council.

PROJECT INFORMATION

PROJECT NAME*

City Parks

PROJECT LOCATION*

City Parks

APPLICANT INFORMATION

NAME*

Kevin Boehm

MAILING (BILLING) ADDRESS*

312 W Whitewater Street

PHONE*

262-473-0122

EMAIL ADDRESS*

kboehm@whitewater-wi.gov

ATTORNEY INFORMATION

NAME

PHONE

EMAIL ADDRESS

RATES

City Administration Hourly Rate Shall Not Exceed

Interim Director of Economic Development: Emily McFarland $

Director of Public Works: Brad Marquardt $72.33

Director of Finance: Rachelle Blitch $65.94

Clerk: Heather Boehm $43.33

Deputy Clerk: Tiffany Albright $29.20

NS Administrative Assistant Llana Dostie $

Building Inspection Services

Building Inspector Commercial: Joe Mesler $80.00

Building Inspector Residential: Jon Mesler $80.00

City Attorney

Russell Law Offices, LLc

Attorney Timothy Brovold $

City Engineer

Strand and Associates $247.63

Primary Contact: Mark Fischer

City Planners and Zoning Administrator

Primary Contact: Allison Schwark $49.00

SIGNATURE OF APPLICANT*

Kevin Boehm

DATE*

12-8-2025

City Use Only Below this Line

Building Inspector Date Received

Review By

Zoning Administrator Date Received

Reviewed by

Occupancy Classification

Occupancy Classification of Surrounding Units

Zoning of Property

Use Permitted

- ☐ By Right
- ☐ By CUP
- ☐ PC Approval Required

Approval

- ☐ Approved
- ☐ Denied

Date

Approval

- ☐ Approved
- ☐ Denied

Date

Public Works Approval

- ☐ Approved
- ☐ Denied

Date

City Engineer Approval

- ☐ Approved
- ☐ Denied

Date

Police Department Approval

- ☐ Approved
- ☐ Denied

Date

Fire Department Approval

- ☐ Approved
- ☐ Denied

Date

ROGER LINDL
ANNE M LINDL
525 N FREMONT ST
WHITEWATER, WI 53190

JAMES M NEWMAN
5735 E SPRING ST
LONG BEACH CA 90808

BOARD OF REGENTS OF S
UNIVERSITIES
142 E GILMAN ST
MADISON, WI 53701

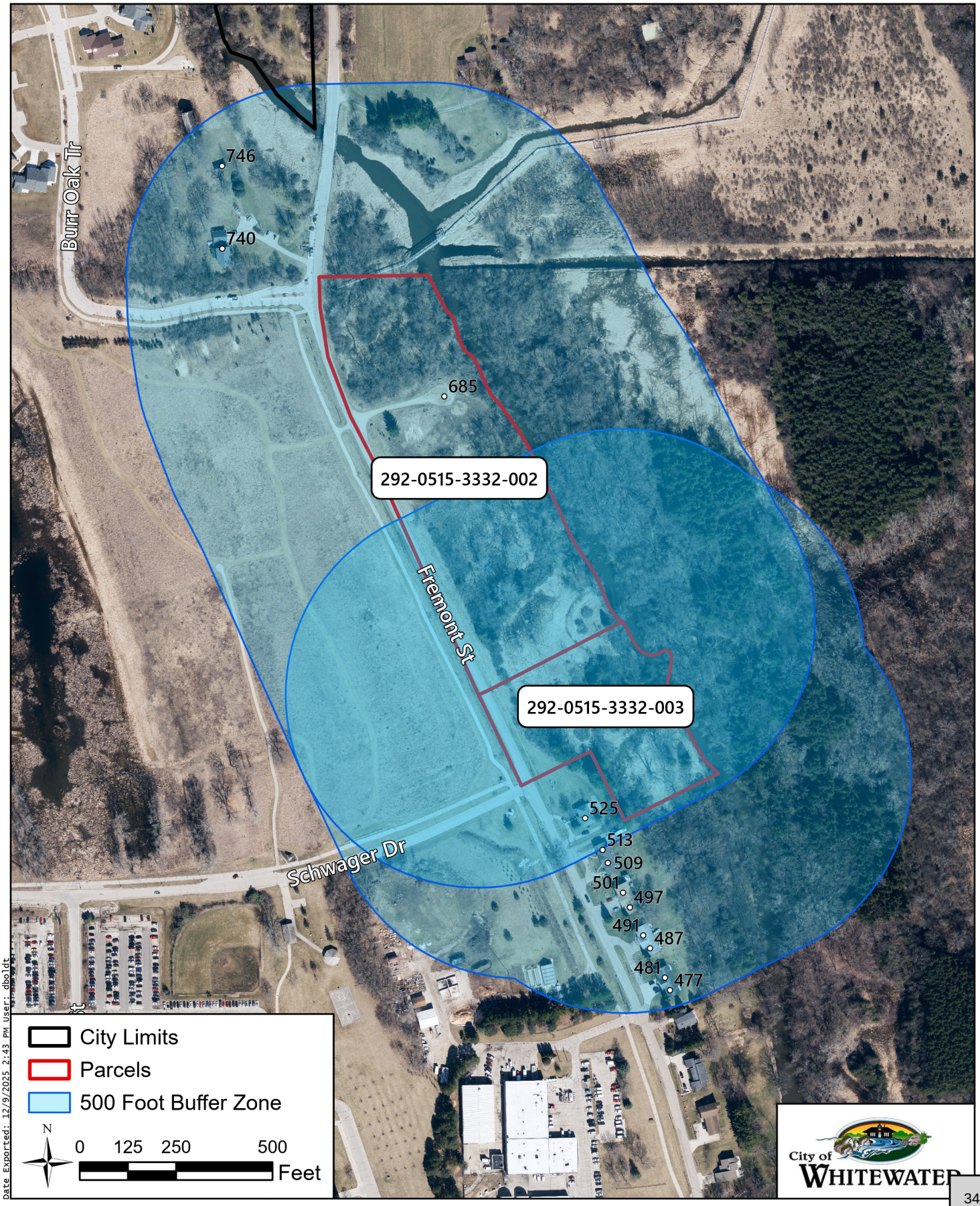
CITY OF WHITEWATER
312 W WHITEWATER ST
WHITEWATER, WI 53190

WISCONSIN ELECTRIC POWER
COMPANY
231 W MICHIGAN ST
MILWAUKEE WI 53203

GERALD THAYER TRUST
KATHLEEN THAYER TRUST
9321 N OAKWOOD DR
WHITEWATER, WI 53190

ROSS D ARDELT
ANNETTE M ARDELT
740 N FREMONT ST
WHITEWATER, WI 53190

Whitewater Creek Nature Area



M E M O R A N D U M

To: City of Whitewater Plan and Architectural Review Commission

From: Allison Schwark, Zoning Administrator

Date: February 9, 2026

Re: Whitewater Middle School Site Plan Review

Summary of Request	
Requested Approvals:	Site Plan Review
Location:	401 S. Elizabeth Street (/WUP 00215 & /WUP00216**)**
Current Land Use:	Middle School
Proposed Land Use:	N/A
Current Zoning:	I – Institutional
Proposed Zoning:	N/A
Future Land Use, Comprehensive Plan	I – Institutional

Staff Review

The applicant is requesting a site plan review for proposed parking lot additions in the I – Institutional zoning district. The Whitewater Unified School District is seeking to add 17 parking spaces for school buses adjacent to the north side of Whitewater Middle School and 6 stacking spaces for school buses on the portion of the property that is closest to the Elementary School. A new driveway will be constructed to connect the parking and stacking spaces to S. Elizabeth Street on the west and W. Highland Street on the north. The area of the property on the north side of the Middle School is currently undeveloped and abuts a development of single family homes. The area of the property that will be developed into stacking spaces is currently comprised of an outdoor athletic yard and abuts one single family homes to the east. Finally, the project also includes the construction of a basketball court and sidewalks to connect the school to the public right-of-way and school bus parking.

19.09.540 - Parking space or parking stall.

"Parking space" or "parking stall" means a graded and paved area either enclosed or open for the parking of a motor vehicle, having adequate ingress and egress to a public street or alley except as additionally provided for in Section 19.51.010. All areas intended to be utilized as motor vehicle parking areas and motor vehicle driveways shall be surfaced with asphalt or concrete to control dust and drainage. The use of bricks, gravel or pavers will require a permit. Plans for surfacing and drainage of stalls and driveways shall be submitted to the city for review and approval.

The proposed plan meets the requirement of asphalt surfacing.

Chapter 19.48 - I INSTITUTIONAL DISTRICT

19.48.020(D) – Permitted uses

Public and semipublic uses, to include public and private schools; churches, cultural centers, and faith-based institutions; government facilities; active recreational parks; museums, medical facilities, libraries, public transportation terminals; and similar uses.

The existing use of the property is a public middle school.

9.48.070 - Yard requirements.

Minimum yard requirements in the I district are:

A. Any street yard facing any zoning district other than the institutional district shall be no less than twenty-five feet, measured from the right-of-way, or one-half of the total height of the building, whichever is greater. Any street yard within an institutional district facing yards in an institutional district shall not be less than twenty-five feet, measured from the right-of-way. The building setback shall not in any event encroach on the intersection visibility requirements set forth in Whitewater Municipal Code, Section 19.51.010;

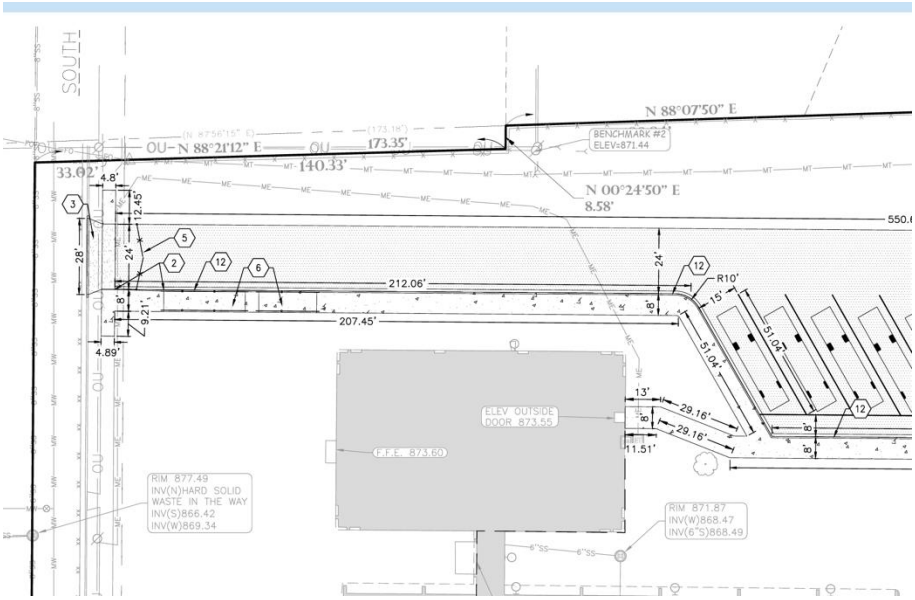
B. Street yard for off-street parking—fifteen feet;

C. Side yard shall be thirty feet or equal to the height of the structure, whichever is greater;

D. Rear yard—thirty-five feet or equal to the height of the structure, whichever is greater.

E. Shore yard, seventy-five feet. All shoreland shall be in compliance with Chapter 19.46 and in addition may require DNR approval.

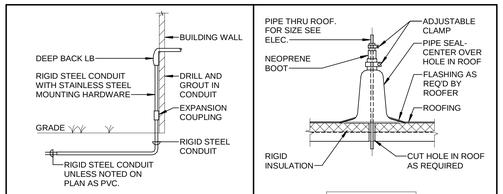
The proposed off-street parking additions meet the minimum required 15' street yard setback requirement. Sheet C2.1 does not provide a side yard setback dimension between the closest point of the driveway addition near S. Elizabeth Street and the property line shared with the neighboring residential property (See below). An updated site plan that provides a side yard setback dimension is desirable.



Sheet C2.3 indicates a 36.32' side yard setback from the driveway to the property line shared with the neighboring residential property near the W. Highland Street driveway, meeting the side yard setback requirement.

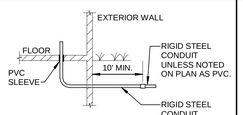
Planner's Recommendations

1) Staff recommends to **APPROVE** the site plan for parking lot additions at 401 S. Elizabeth Street / WUP 00215 & /WUP 00216 with the following conditions:
    a. All lighting shall comply with the City of Whitewater Ordinances.
    b. All zoning and building permits for construction be properly obtained.
    c. Update sheet C2.1 to indicate side yard setback dimension.
    d. Landscaping shall be completed to the specifications of the site plan in accordance with City of Whitewater landscaping guidelines. Any deviation from the site plan shall require additional staff approval.
    e. All Engineering comments shall be addressed prior to construction starting.
    f. Site plan shall not deviate from approved plans. Any deviation shall require additional staff approval.

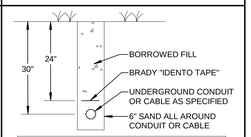


EXTERIOR CONDUIT INTO EXISTING SPACE

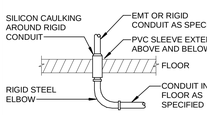
ROOF PENETRATION



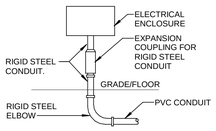
EXTERIOR CONDUIT INTO NEW SPACE



UNDERGROUND CONDUIT/CABLE INSTALLATION



CONDUIT UNDER FLOOR PENETRATION

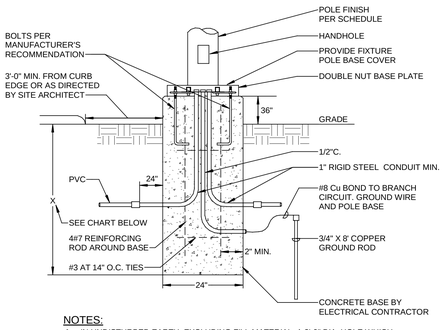


EXTERIOR CONDUIT INTO EXTERIOR ENCLOSURE

NOTES:

1. E.C. MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE.
2. PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT.

2 / E001 CONDUIT DETAILS
SCALE: NTS

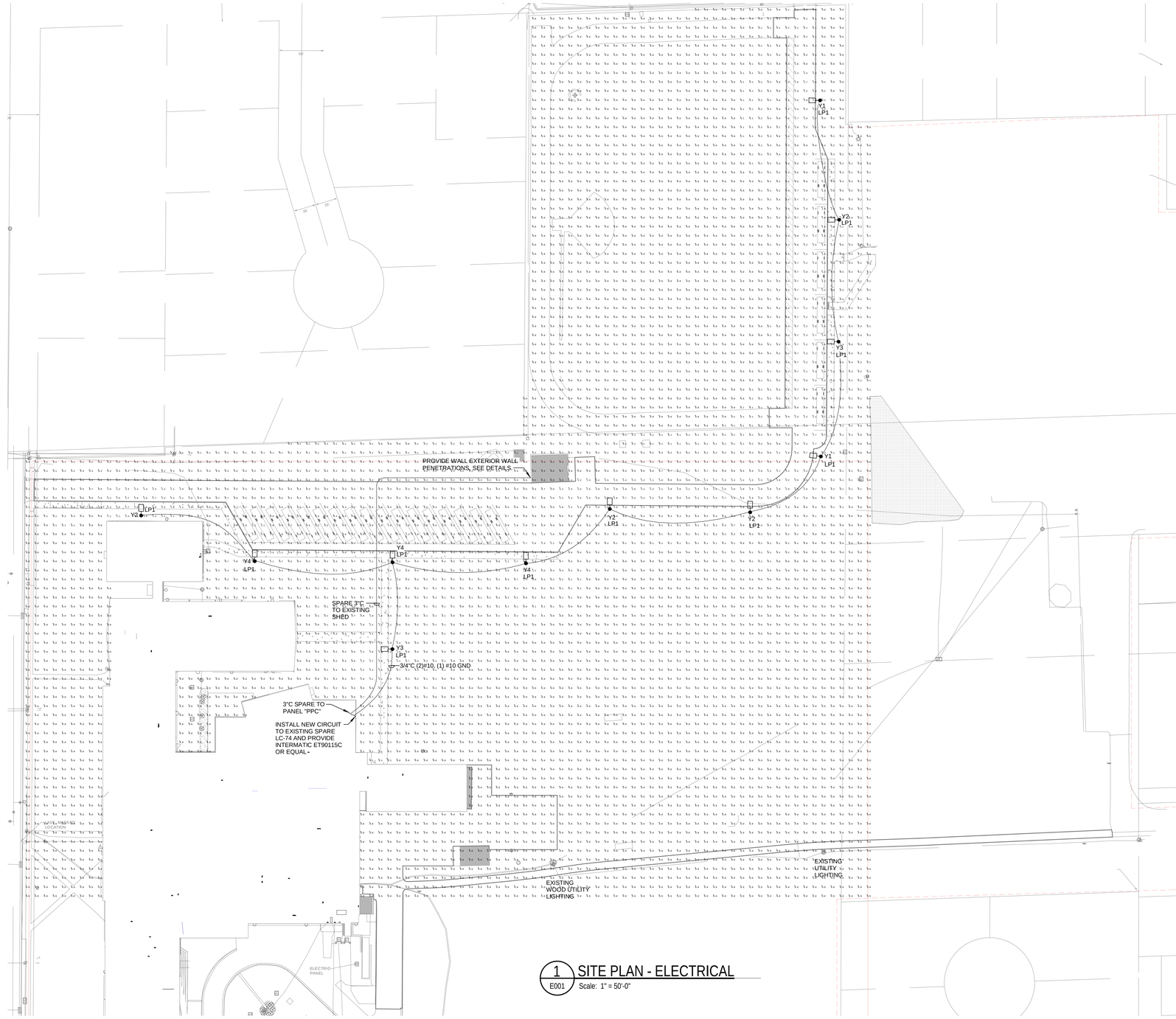


NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

3 / E001 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL
SCALE: NTS



1 / E001 SITE PLAN - ELECTRICAL
Scale: 1" = 50'-0"

WHITEWATER MIDDLE SCHOOL - FIXTURE SCHEDULE

TYPE	DESCRIPTION	LUMENS DEL.	LAMP TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	NOTE
Y1	POLE MOUNTED AREA LIGHT W/BACK LIGHT CONTROL	10,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI BLC2	
					MCGRAW-EDISON	GALN-SA2A-740-U-SL4-BZ	
Y2	POLE MOUNTED AREA LIGHT	14,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T2W	
					MCGRAW-EDISON	GALN-SA3A-740-U-T2-BZ	
Y3	POLE MOUNTED AREA LIGHT	13,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T3M	
					MCGRAW-EDISON	GALN-SA3A-740-U-T3-BZ	
Y4	POLE MOUNTED AREA LIGHT W/HOUSE SIDE SHEILD	13,500	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI TFTM HSS	
					MCGRAW-EDISON	GALN-SA3A-740-U-T4FT-BZ	
LP1	22' SQUARE STRAIGHT POLE W/BASE	-	-	-	UTILITY METALS	SSS4-11-22-5G-DM19AS-VD-DBLXD	2
					ULSI	RPSQ-22-4-11-AB-D1-NB	
	UNIVERSAL SINGLE/DOUBLE FACE EXIT RED LETTERS	-	LED	2	LITHONIA	LQM-S-W-3-R-120/277	1
					SURELITES	LPX6	

GENERAL NOTES:
1. SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS.
2. ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 80+. ALL EXTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 70+.
3. MOUNT FIXTURES AT HEIGHT INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
4. ARCHITECT TO SELECT AND APPROVE ALL FINISHES FOR LIGHT FIXTURES, AND FIXTURE ACCESSORIES.
5. PROVIDE GYP. FLANGE WHERE FIXTURES ARE NOT LOCATED IN ACT TILE CEILINGS.

PLAN NOTES:
1. PROVIDE DIRECTION ARROWS AND MOUNTING METHODS AS INDICATED ON PLANS. PROVIDE WIREGUARD IN GYMS OR WHERE NOTED ON PLANS.
2. PROVIDE VIBRATION DAMPENER. PROVIDE CONCRETE POLE BASE PER DETAIL 1/E302.

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
Sheboygan • Davenport
Moline • Saint Paul
www.brayarch.com

ENGINEERING DESIGN BY
MSA
(800) 362-4505 • www.msa-ps.com

Project Title:
Addition & Renovation to Whitewater Middle School
Whitewater Unified School District
829 S. 1st Street
Milwaukee, WI 53204

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SITE PLAN - ELECTRICAL

Sheet Number:
E001

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Site Plan Application - Submission #2116

Date Submitted: 12/19/2025

City of Whitewater
312 W Whitewater Street
PO Box 178
Whitewater, WI 53190
262-473-0540
www.whitewater-wi.gov

Neighborhood Services

Site Plan Application

Site Plan Application Checklist (Please read)

Applicant

1. Fill out Planning Request Form and Plan of Operation Form. Digital copies of all submittal materials:

   a. Application Forms
   b. Landscaping plan indication location, type and size of materials (Please review Landscaping Guidelines)
   c. Stormwater and Erosion Control Applications (Separate Forms)
   d. Lighting Plan (Photometric) Plan
   e. And any other materials you feel are pertinent

2. Application shall include the following Plan requirements:

   a. All plans shall be drawn to scale and show all sides of the proposed building
   b. All plans will exhibit property exterior building materials and colors to be used
   c. All plans will exhibit proposed /existing off-street parking stalls and driveway/loading docks
   d. Building elevations must include the lot on which the structure is to be built and the street(s) adjacent to the lot

3. Submit fee to the City of Whitewater

City Building Inspector/Zoning Administrator

1. Review application for accuracy and all required information
2. Staff will review information for conformance to Ordinances
3. Engineer will review Stormwater and Erosion Control Plans
4. Landscape Plan will be reviewed by Urban Forestry Commission
5. When application is complete and approved by Staff it will then be forwarded to Plan Commission

Process

1. Plan Commission considers applicant's request and staff review presented by Zoning Administrator, at the first initial

appearance. If Plan Commission recommends changes and/or revisions, then the applicant must revise site plan, otherwise the matter is forwarded as is for the second appearance for approval/denial of the final site plan.

NOTE: Plan Commission normally meets the second Monday of each month at 6:00 p.m. If a public hearing is required, it will be scheduled at the beginning of the Plan Commission meeting.

Urban Forestry Commission normally meets the fourth Monday of each month at 5:30 p.m.

Llana Dostie, Zoning Specialist
262-473-0144
ldostie@whitewater-wi.gov

Allison Schwark, Municipal Code Enforcement
262-249-6701
mcodeenforcement@gmail.com

Site Plan
Whitewater Middle School Site Plan.pdf

Landscaping Plan
Choose File No file chosen

Lighting Plan
00377241_Whitewater Middle School.pdf

Other Information
Choose File No file chosen

Planning Request

General Project Information

Project Tax Id #

Project Address*
401 S Elizabeth Street

Project Title (if any):
Whitewater Middle School Site Renovations

Applicant, Agent & Property Owner Information

Applicant's Name*
David Friend

Applicant's Company*
Whitewater Unified School District

Address*
534 S Elizabeth Street

City*

Whitewater

State*

WI

Zip Code*

53190

Phone Number*

2627428709

Email Address*

dfriend@wwusd.org

Agent's Name

Agent's Company

Address

City

State

Zip Code

Phone Number

Fax Number

Email Address

Owner's First Name (if Different from applicant)

Owner's Last Name

Address

City **State** **Zip Code**

Phone Number **Fax Number**

Email Address

Planning Request (check all that apply)*

- [x] Site Plan and Architectural Review $150.00 plus $0.05 per sq. ft (Floor Area
- [ ] Conditional Use Permit $275.00
- [ ] Rezone/Land Use Amendment $400.00
- [ ] Planned Unit Development $500.00
- [ ] Preliminary Plat $175.00
- [ ] Final Plat $225.00
- [ ] Certified Survey Map $200.00 plus $10.00 per lot
- [ ] Project Concept Review $150.00
- [ ] Joint Conditional Use & Certified Survey Map $500.00 plus $10.00 per lot
- [ ] Joint Rezoning & Certified Survey Map $500.00 plus $10.00 per lot
- [ ] Joint Site Plan & Conditional Use $300.00 plus $0.05 per sq. ft. (Floor Area)
- [ ] Board of Zoning Appeals/Adjustment $300.00

Will translation services be needed during the Plan Board meeting?*

- [ ] Yes
- [x] No

If Yes, please specify the language required.

Plan of Operations

Property Information **Tenant Information**

Property Tax Key #

Previous Business Name*

N/A

Property Address

401 S Elizabeth St.

Years in Operation*

N/A

Property Owner Name*

David Friend

New Business Name*

N/A

Owner's Mailing Address*

534 S Elizabeth Street

Name of Operator*

N/A

City, State and Zip Code*

Whitewater

Operator's Mailing Address*

N/A

Owner's Phone Number*

2627428709

Operator's City, State and Zip Code*

N/A

Owner's Email*

dfriend@wwusd.org

Operator's Phone and Email*

N/A

New Business Use/Operation Information

Description of Business Use or Operations*

Institutional

Previous Use of Space*

Middle School - Educational

Hours of Operation (Weekdays)*

8

Hours of Operations (Weekends)*

0

Total Area Space (SQF)*
N/A

 # Toilet Fixtures*
N/A

# of Full Time Employees*
N/A

# of Part Time Employees
N/A

Customer Seating*
- [ ] Yes
- [x] No

Seating Capacity*
N/A

Total Employee Hours Per Year (including yourself if self-employed)*
N/A

Sprinkler System*
- [x] Yes
- [ ] No

Hazardous/Flammable Chemicals Used/Stored*
- [ ] Yes (Must attach MSDS Sheets)
- [x] No

Specified Use of Property and Building(s)

Building A*
Middle School

Building B

Building C

Will there be any problems resulted form this operation such as: (Check all that apply)*
- [ ] Odors
- [ ] Smoke
- [ ] Noise
- [ ] Light
- [ ] Vibrations
- [x] None

Parking

Dimension of parking lot*
See Provided Site Plan

Number of Spaces available*
See Provided Site Plan

Parking lot construction*

- [x] Asphalt
- [ ] Concrete

Type of Screening*

- [x] Fencing
- [ ] Plantings

Is employee parking included in (number of spaces available"?*

- [ ] Yes
- [x] No

Signage (Separate Sign Permit Application Needed)

Type (Check all that apply)*

- [ ] Free standing
- [ ] Monument
- [ ] Projecting
- [ ] Awning/Canopy
- [ ] Electronic Message
- [ ] Pylon
- [ ] Arm/Post
- [ ] Window
- [ ] Mobile/Portable or Banner
- [x] None
- [ ] Other

If other describe

Location of Signs*

N/A

Entertainment

Is there any type of music in this proposal? *

- [ ] Yes (Separate License from Clerk's office Required)
- [x] No

Live*

- [ ] Yes
- [x] No

When will this be offered to customers*

- [ ] Monday
- [ ] Tuesday
- [ ] Wednesday
- [ ] Thursday
- [ ] Friday
- [ ] Saturday
- [ ] Sunday
- [x] None

What time(s) will this be offered

Outdoor Lighting

Type*

Light Poles

Location*

See Provided Photometric Plan

Utilities

Will you be connected to City (Check all that apply)*

- [x] Water
- [x] Sewer

Is there a private well on-site*

- [ ] Yes
- [x] No

Types of Refuse Disposal*

- [x] Municipal
- [ ] Private

Approval Date by the Department of Natural Resources for the well proposed use

Approval Date by the County Health Department for existing septic system

WI

What types of sanitary facilities are to be installed for the proposed operation*

None

Surface Water drainage facilities (describe or include in site plan)*

See Provided Site Plan

Licenses/Permits

Is a highway access permit needed from the State, County or local Municipality?*

- [ ] Yes
- [x] No

Is a cigarette license required? (Separate license from Clerk's Office Required)*

- [ ] Yes
- [x] No

Is a liquor license required? (Separate license from Clerk's Office required)*

- [ ] Yes
- [x] No

Did Wisconsin Department of Safety and Professional Services Division of Industry Services approve building plans*

- [ ] Yes
- [x] No

Permitted Property Uses (Check all that apply)*

- ☐ Single Family Dwelling
- ☐ Two Family Dwelling
- ☐ Modular Home
- ☐ Manufactured Home
- ☐ Second or greater wireless telecommunication facility
- ☐ Multi-Family Dwellings
- ☐ Art, Music, and School supply stores and galleries
- ☐ Antique, collectible and hobby craft stores
- ☐ Automotive and related parts stores, without servicing
- ☐ Hotel and Motels
- ☐ Small appliance repair stores, computer or software sales and service
- ☐ Banks and other financial institutions without drive thru facilties
- ☐ Camera and photographic supply stores
- ☐ Caterers
- ☐ Clothing, shoe stores and repair shops
- ☐ Clinics medical and dental
- ☐ Department Stores
- ☐ Drug Stores
- ☐ Florist Shops
- ☐ Food and convenience stores without gasoline pumps
- ☐ Furniture stores
- ☐ Hardware stores
- ☐ Insurance agencies
- ☐ Barbershops/Beauty Parlors
- ☐ Liquor stores without drive-thru facilities
- ☐ Resale shops
- ☐ Professional and Business offices
- ☐ Self-service laundries and dry-cleaning establishments
- ☐ Stationary stores, retail office supply stores
- ☐ Movie theaters
- ☐ Tourist Homes and bed and breakfast
- ☐ Bakeries or candy stores with products for sale on premise only
- ☐ Appliance repair stores, including computer sales and service
- ☐ Coffee Shops
- ☐ Cultural arts centers and museums
- ☐ Post Offices
- ☐ Ice cream shops and cafes
- ☐ Toy stores
- ☐ Agricultural services
- ☐ Lumberyards, building supply stores and green houses
- ☐ Manufacturing, fabrication, packing, packaging and assembly of products from furs, glass, leather, metals, paper, plaster, plastic, textiles, clay, woods and similar material
- ☐ Research facilities, development and testing laboratories, including testing facilities and equipment

- [ ] Retail sales and services linked to manufacturing or warehousing
- [ ] Production, or processing, cleaning, servicing, testing or remailer or materials, goods, or products limited to the follow uses, products, components, or circumstances:
- [ ] a. Electronic and electrical products instruments, such as transistors, semicondurctors, small computers, scanners, monitors and compact communication devices
- [ ] b. High technology products related to the fields of physics, oceanography, astrophysics, metallurgy, chemistry, biology or other scientific field offered for study by University of Whitewater
- [ ] c. Laser technology, radiology, x-ray and ultrasound products, manufacturing and assembly
- [ ] d. Medial and dental supplies
- [ ] e. Optical, fiber optical and photographic products and equipment
- [ ] f. Orthopedic and medical appliances such as artificial limbs, brace supports and stretchers
- [ ] g. Products related to process design, process stimulation, computer hardware and software development, safety engineering
- [ ] h. Scientific and precision instruments and components, including robotics
- [ ] Jewelry stores
- [ ] Meat markets
- [ ] Paint, wallpaper, interior decorating and floor covering stores
- [ ] Restaurants without drive-thru facilities
- [ ] Sporting goods store
- [ ] Variety stores
- [ ] Charitable or nonprofit institution and facilities
- [ ] Light assembly uses including electronics, pottery, printing, contractor shops (heating, electrical, plumbing and general contracting) provided that there are no significant environmental emissions (odor or waste)
- [ ] Catalog and e-commerce sales outlets
- [ ] Day spas
- [ ] Gift Shops
- [ ] Public Parking lots
- [ ] Tourist information and hospitality centers
- [ ] Dance studio
- [x] College, Universities, Schools, Churches, Libraries, Government buildings
- [ ] Private recreation facilities
- [ ] Freight terminals, trucking servicing and parking, warehousing and inside storage
- [ ] More than one pricipal structure on a lot when the additional building is a material and direct part of the primary business
- [ ] Pilot plants and other facilities for testing manufacturing, processing or fabrication methods or for the testing of products or materials
- [ ] Telecommunication centers (not including wireless telecommunications facilities)

Permitted Conditional Uses (Check all that apply)*

- [ ] Planned Residential Development
- [ ] First Wireless telecommunications facility located on alternative structure only
- [ ] Attached townhouse dwellings up to four units per building
- [x] Public and semi public uses
- [ ] Multifamily dwellings and attached dwellings, over four units (new construction only)
- [ ] Any building over forty feet
- [ ] Conversion of existing structures resulting in more dwelling units
- [ ] Dwelling units with occupancy of six or more unrelated persons
- [ ] Home Occupations/Professional Home offices requiring customer access
- [ ] Bead Breakfast establishments
- [ ] Conversion of existing single-family dwellings to two-family attached dwellings
- [ ] Profession business offices in a building where principal use is residential
- [ ] Fraternity or sorority houses and group lodging facilities
- [ ] Planned Development
- [ ] Conversion of existing units with less than five bedrooms to five or more bedrooms
- [ ] Entertainment establishments, including clubs but excluding adult entertainment
- [ ] All uses with drive-in and drive-thru facilities
- [ ] Automobile repair and service
- [ ] Taverns and other places selling alcoholic beverages by the drink
- [ ] daycare adult, child and doggie
- [ ] Large Retail and Commercial Service Developments
- [ ] Motor Freight Transportation
- [ ] Light Manufacturing and retail uses
- [ ] Automobile and small engine vehicles sales and rental facilities
- [ ] Car washes
- [ ] Gasoline service station, including incidental repair and service
- [ ] Funeral homes and crematory services
- [ ] Liquor or tobacco stores
- [ ] Wholesale trade of durable and non durable goods
- [ ] Salvage yards

Signatures

By signing below, I certify that the above information is true and accurate account of the information requested for my business site and its operation and use. Should an inspection be required, I agree to all the Inspector(s) reasonable access to the space to verify compliance with the Municipality's Ordinance. In addition, I fully understand that completion of this or its approval does not preclude me from complying with all applicable State Statutes or Municipal Ordinances regarding my business and its lawful operations.

Applicant's Signature*	Date*	Inspector's Signature	Date
Anna Blake	12-19-2025		

Cost Recovery Certificate and Agreement

Pursuant to Ordinance 19.74.010 and 16.04.270 of the City of Whitewater Municipal Code

The undersigned applicant hereby acknowledges and agrees to be bound by Ordinances 19.74.010 and 16.04.270 of he City of Whitewater Municipal Code, providing for city recovery of all city costs and disbursements incurred directly or indirectly related to the Applicant's request. All costs incurred by the city in the consideration of any requests by the Applicant related to the Applicant's request shall be recoverable, including by not limited to, all professional and technical consultant services and fees retained by the city and rendered in review of any application, including the engineer, planner, attorney, or any other professional or expert hired by the village for purposes of review of the application or pre-submission request. The Applicant agrees to reimburse the City for all costs recoverable pursuant to the terms of the above numbered ordinance within the time period set forth by the City of Whitewater Municipal Code. At no time shall any cost recoverable fees be waived, except through the process of a written request by the Applicant and the Common Council, review and evaluation by the Common Council, and official action taken by the Common Council.

PROJECT INFORMATION

PROJECT NAME*

Whitewater Middle School Site Renovations

PROJECT LOCATION*

401 S Elizabeth St, Whitewater, WI 53190

APPLICANT INFORMATION

NAME*

David Friend

MAILING (BILLING) ADDRESS*

534 S Elizabeth Street

PHONE*

2627428709

EMAIL ADDRESS*

dfriend@wwusd.org

ATTORNEY INFORMATION

NAME

PHONE	EMAIL ADDRESS
	annab@pobinc.com

Note to Applicant: The City Engineer, Attorney and other City professionals and staff, if requested by the City to review your request, will be billed for their time at an hourly rate which is adjusted from time to time by agreement with the City. Please inquire as to the current hourly rate you can expect from this work. In addition to these rates, you will be asked to reimburse the City for those additional costs set forth in 19.74.10 and 16.04.270 of the Municipal Code

RATES

City Administration Hourly Rate Shall Not Exceed

Interim Director of Economic Development: Emily McFarland $

Director of Public Works: Brad Marquardt $72.33

Director of Finance: Rachelle Blitch $65.94

Clerk: Heather Boehm $43.33

Deputy Clerk: Tiffany Albright $29.20

NS Administrative Assistant Llana Dostie $

Building Inspection Services

Building Inspector Commercial: Joe Mesler $80.00

Building Inspector Residential: Jon Mesler $80.00

City Attorney

Russell Law Offices, LLC

Attorney Timothy Brovold $

City Engineer

Strand and Associates $247.63

Primary Contact: Mark Fischer

City Planners and Zoning Administrator

Primary Contact: Allison Schwark $49.00

City Use only Below

Building Inspector Date Received

Review By

Zoning Administrator Date Received

Review By

Occupancy Classification

Occupancy Classification Surrounding Units

Zoning of Property

Use Permitted

- ☐ By Right
- ☐ By CUP
- ☐ PC Approval Required

Approval

- ☐ Approved
- ☐ Denied

Date

Approval

- ☐ Approved
- ☐ Denied

Date

Public Works Approval

- ☐ Approved
- ☐ Denied

Date

City Engineer Approval

- ☐ Approved
- ☐ Denied

Date

Police Department Approval

- ☐ Approved
- ☐ Denied

Date

Fire Department Approval

- ☐ Approved
- ☐ Denied

Date

CAPITAL MAINTENANCE TO

WHITEWATER MIDDLE SCHOOL

Whitewater Unified School District
401 S Elizabeth St
Whitewater, WI 53190

CONSTRUCTION DOCUMENTS
12/19/2025





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E002	OVERALL PLANS - ELECTRICAL
E003	ONE LINE DIAGRAM
E004	PANEL SCHEDULES

Architectural

Bray Architects
829 S. 1st Street
Milwaukee, WI 53204
(414) 226-0200

Civil

Point of Beginning, Inc.
4941 Kirschling Court
Stevens Point, Wisconsin 54481
(715) 344-9999

Plumbing

MSA Professional Services, Inc.
220 East Buffalo Street, Suite 201
Milwaukee, WI 53202
(414) 296-4333

Electrical

MSA Professional Services, Inc.
116 Fremont Street, PO Box 235
Kiel, Wisconsin 53042
(920) 894-7800

BRAY ARCHITECTS

Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Sheboygan • Davenport
Moline • Saint Paul

www.brayarch.com

CAPITAL MAINTENANCE TO
WHITEWATER MIDDLE SCHOOL
Whitewater Unified School District
401 S Elizabeth St
Whitewater, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:

CONSTRUCTION DOCUMENTS

12/19/2025

Project Number:

3705

Sheet Title:

COVER SHEET

Sheet Number:

G0.0

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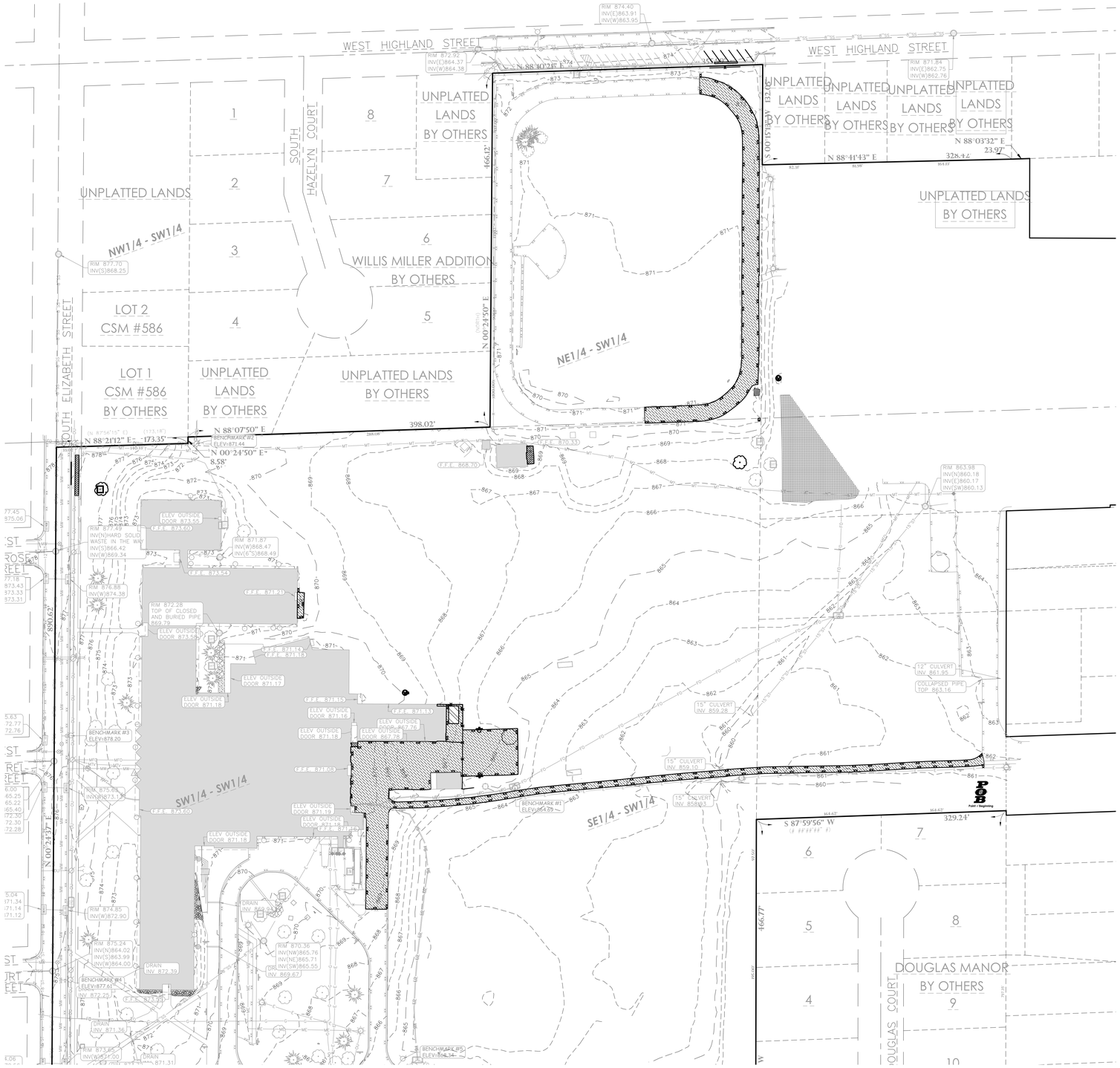

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH NEIGHBORING PROPERTY OWNERS.

DEMOLITION HATCH PATTERNS:

BITUMINOUS REMOVAL

CONCRETE REMOVAL

BUILDING REMOVAL

CIVIL SHEET INDEX:

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C5.3 NORTH UTILITY PLAN
C6.0 DETAILS
C6.1 DETAILS

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

0' 60' 120'
1" = 60'

N

BRAY ARCHITECTS

Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Sheboygan • Davenport
Moline • Saint Paul

www.brayarch.com

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999(PH) 715.344.9922(FX)
POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD MIDDLE SCHOOL
401 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL DEMOLITION PLAN

Sheet Number:
C1.0

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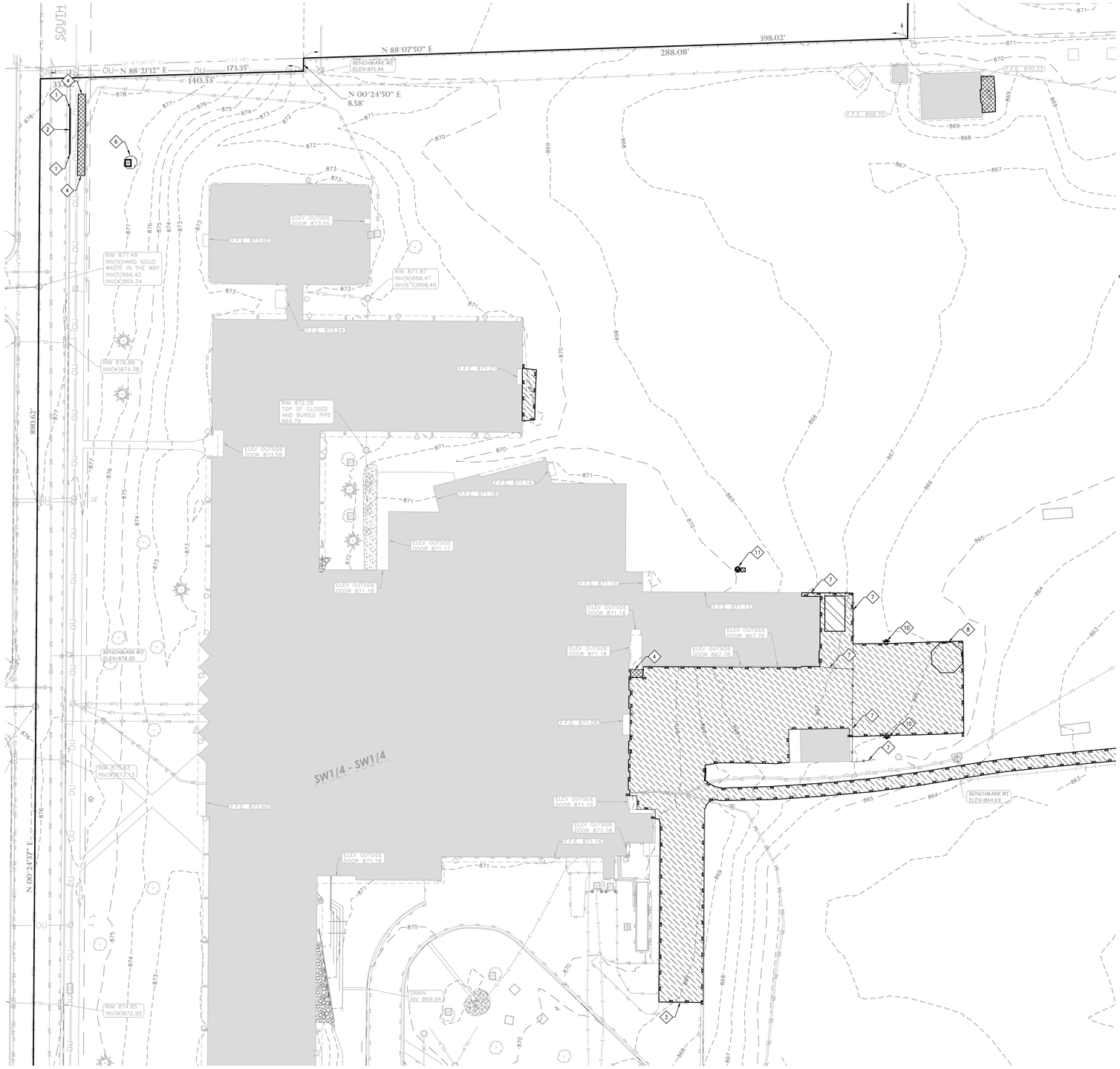

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
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7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH NEIGHBORING PROPERTY OWNERS.

KEYNOTES:

1. SAWCUT EXISTING CONCRETE CURBING
2. REMOVE EXISTING CONCRETE CURBING
3. SAWCUT EXISTING ASPHALT PAVEMENT
4. SAWCUT EXISTING CONCRETE WALK
5. MAINTAIN EXISTING TREE (ANY BRANCHES NEEDED TO BE TRIMMED TO ALLOW FOR PROPER VERTICAL CLEARANCE FOR DEMOLITION AND CONSTRUCTION SHOULD BE DONE BY A PROFESSIONAL ARBORIST TO ENSURE NO DAMAGE TO TREE)
6. RELOCATE EXISTING TREE AND MEMORIAL PLAQUE. SEE SHEET C2.1 FOR LOCATION. (COORDINATE W/ OWNER)
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8. REMOVE & SALVAGE EXISTING GAGA BALL PIT (REINSTALL AFTER CONSTRUCTION)
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12. REMOVE EXISTING GRAVEL
13. REMOVE EXISTING PARKING LOT STRIPING (SEE SHEET C2.3 FOR PROPOSED STRIPING)

DEMOLITION HATCH PATTERNS:

BITUMINOUS REMOVAL

CONCRETE REMOVAL

BUILDING REMOVAL

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

UTILITY DISCLAIMER:

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ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
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401 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
WEST DEMOLITION PLAN

Sheet Number:
C1.1

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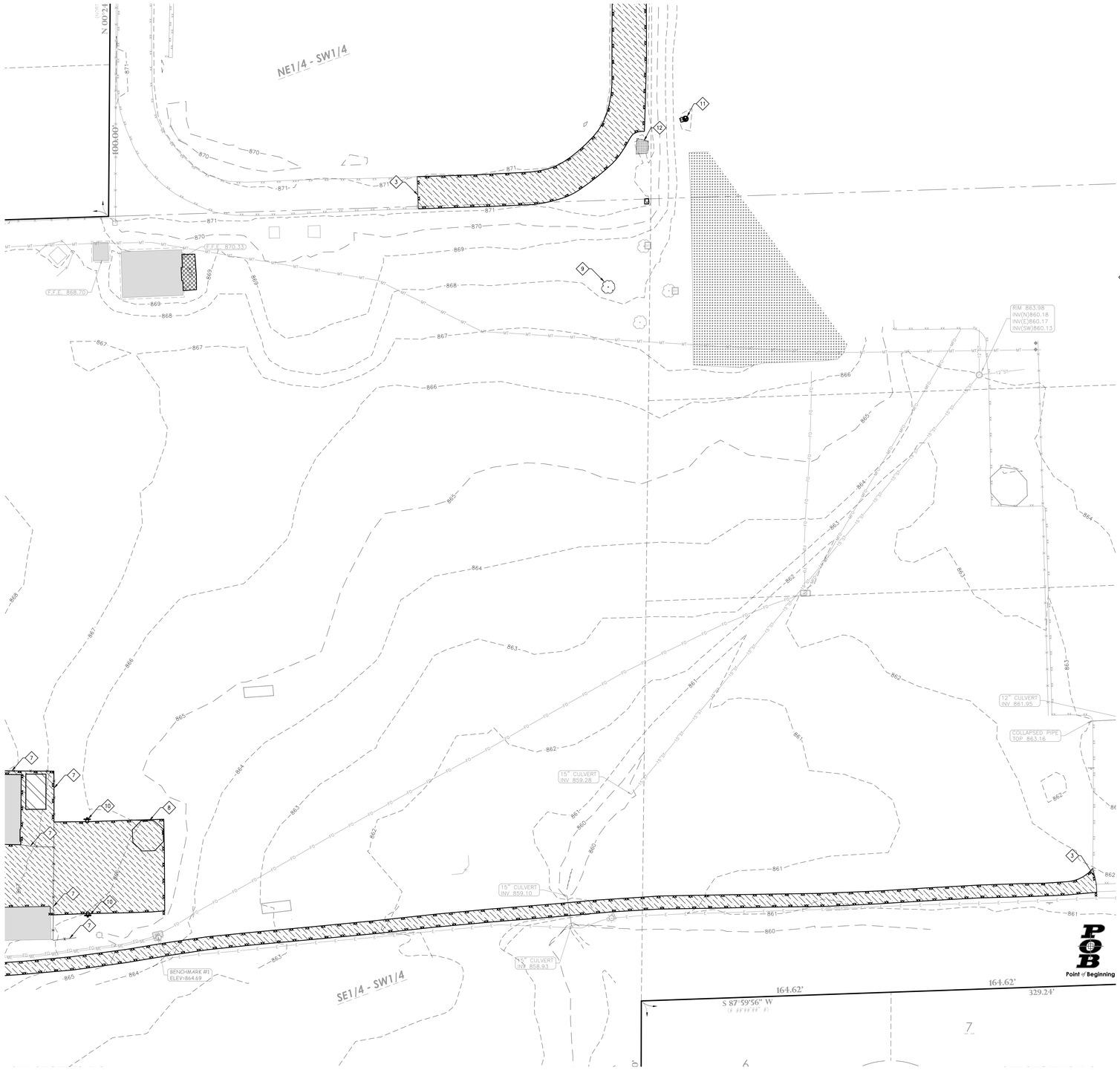

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ISSUANCES + REVISIONS:

#	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTH DEMOLITION PLAN

Sheet Number:
C1.2

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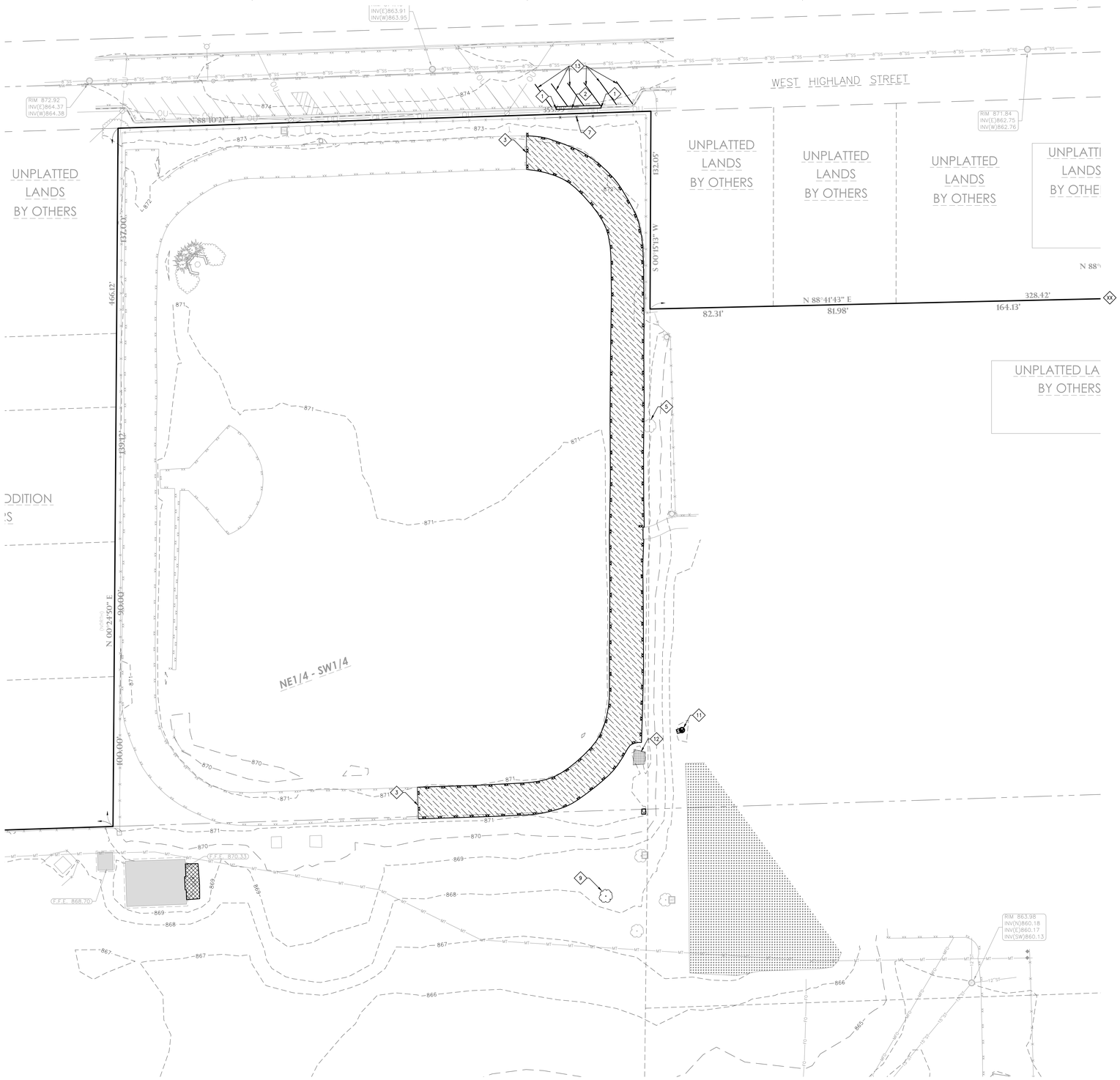

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ISSUANCES + REVISIONS:

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Issued for:
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12/19/2025

Project Number:
3705

Sheet Title:
NORTH DEMOLITION PLAN

Sheet Number:
C1.3

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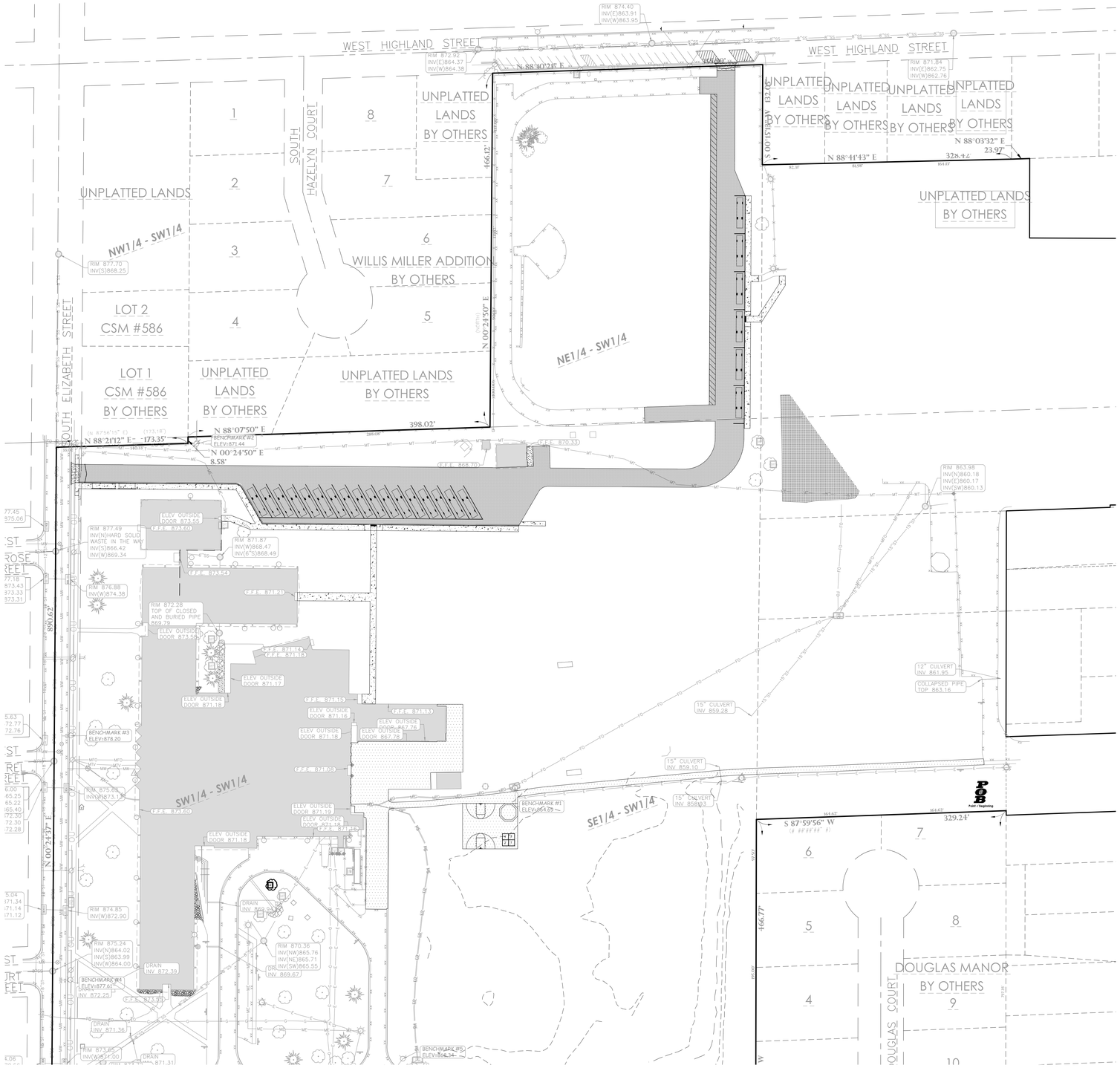

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEETS C4.0–C4.3 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
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7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED/APPROVED BY THE CONSTRUCTION MANAGER.

PAVEMENT HATCH PATTERNS:

PROPOSED STANDARD DUTY ASPHALT PAVEMENT	1 / C6.0
PROPOSED HEAVY DUTY ASPHALT PAVEMENT	1 / C6.0
PROPOSED 4" CONCRETE PAVEMENT	2 / C6.0
PROPOSED 7" CONCRETE PAVEMENT	2 / C6.0

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12/19/2025

Project Number:
3705

Sheet Title:
OVERALL LAYOUT PLAN

Sheet Number:
C2.0

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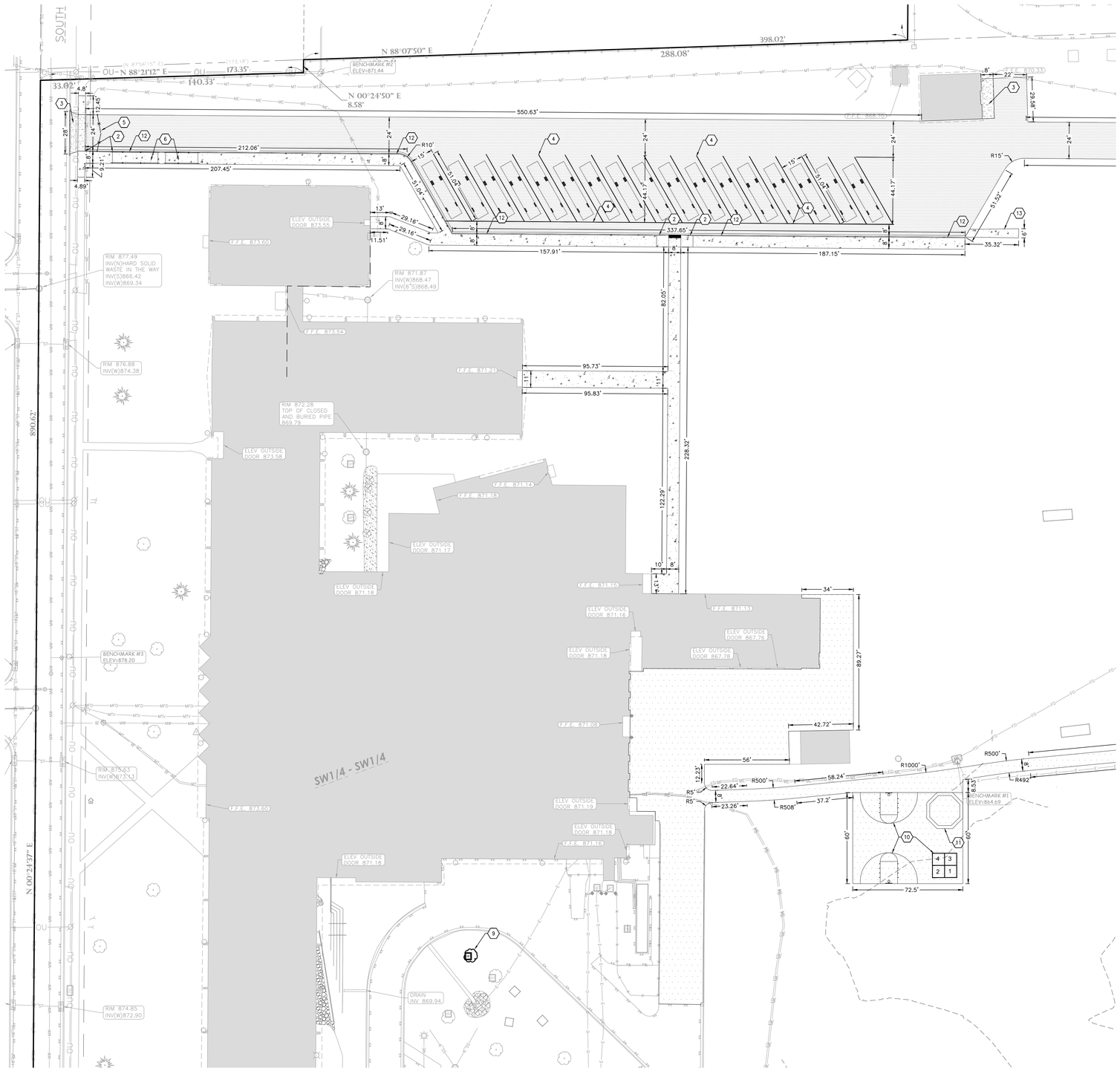

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2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
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11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED/APPROVED BY THE CONSTRUCTION MANAGER.

KEYNOTES:

1. THICKENED EDGE WALK — 4 / C6.0
2. THICKENED EDGE/CURB TAPER
3. CONCRETE DRIVEWAY APRON — 2 / C6.0
4. PARKING LOT STRIPING — 5 / C6.0
5. 24' WIDE MANUAL DOUBLE SWING GATE — 8 / C6.0
6. CONCRETE RAMP W/RAILINGS — 6 / C6.0
7. ACCESSIBLE CURB RAMP — 7 / C6.0
8. PROPOSED SIGN: "NO PARKING BETWEEN SIGNS" (COORDINATE LOCATIONS W/ CITY)
9. PROPOSED LOCATION FOR MEMORIAL PLAQUE AND TREE (VERIFY LOCATION W/ OWNER)
10. PLAYGROUND PAVEMENT MARKING — 1 / C2.1
11. REINSTALL GAGA BALL PIT
12. 18" STANDARD CURB & GUTTER — 3 / C6.0
13. CONCRETE FLUME

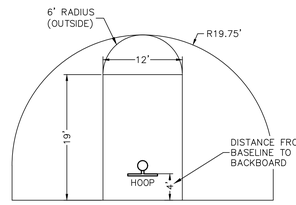
PAVEMENT HATCH PATTERNS:

PROPOSED STANDARD DUTY ASPHALT PAVEMENT — 1 / C6.0

PROPOSED HEAVY DUTY ASPHALT PAVEMENT — 1 / C6.0

PROPOSED 4" CONCRETE PAVEMENT — 2 / C6.0

PROPOSED 7" CONCRETE PAVEMENT — 2 / C6.0



NOTES:
1. ALL BASKETBALL COURT STRIPING LINES SHALL BE 2" WIDE.
2. VERIFY ALL LINE STRIPING W/ OWNER.
3. KEEPER GOALS KG690 BASKETBALL POLE W/ KG475W BACKBOARD & KG–BA39 ULTIMATE RIM (OR APPROVED EQUALS)
4. INSTALL BASKETBALL HOOP PER MANUFACTURE'S SPECIFICATIONS

BASKETBALL HOOP — 1 / C2.1

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

UTILITY DISCLAIMER:

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

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ADDITION AND RENOVATION
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401 S ELIZABETH STREET
WHITEWATER, WI 53190

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WEST LAYOUT PLAN

Sheet Number:
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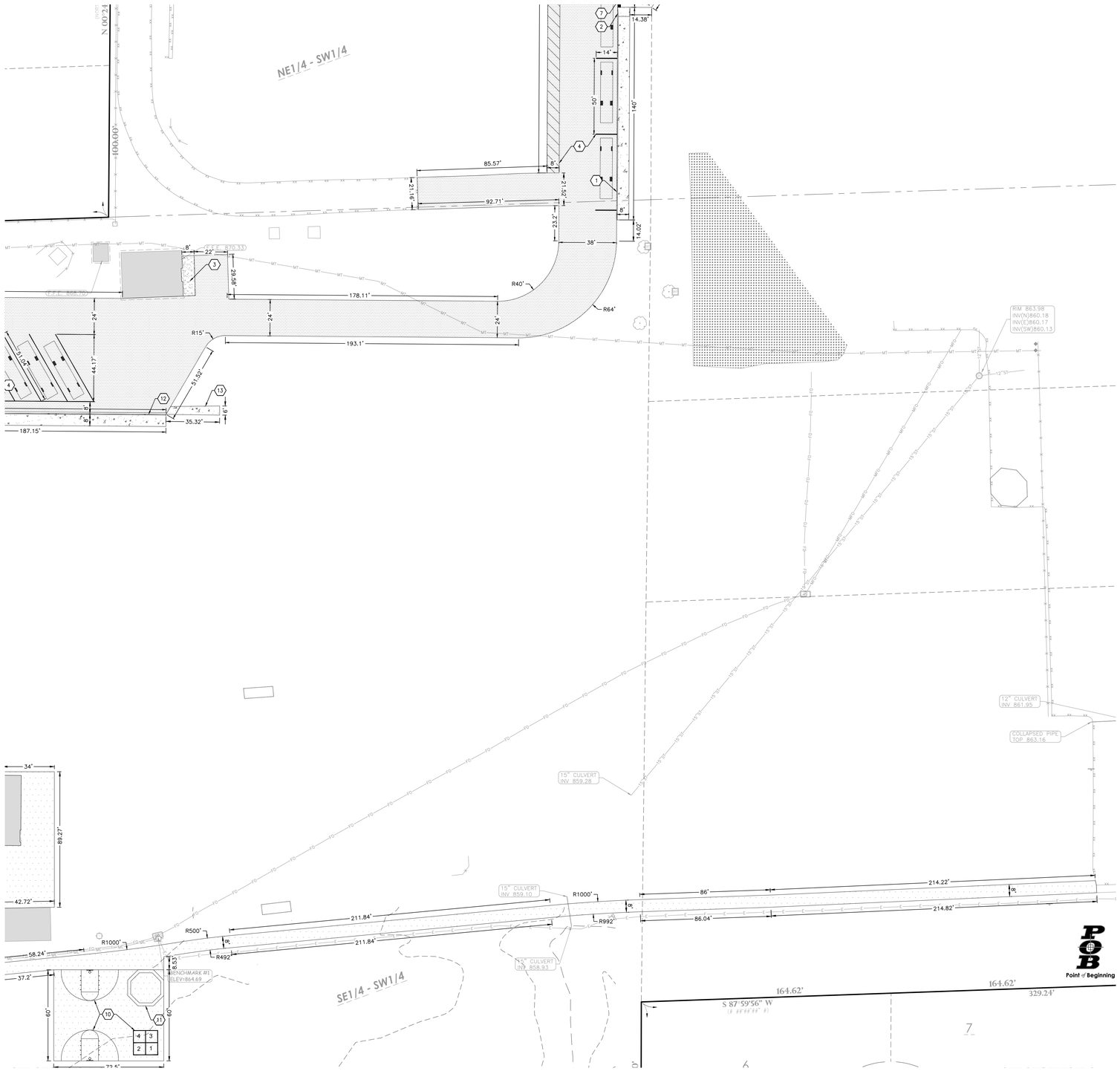

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Project Number:
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Sheet Title:
SOUTH LAYOUT PLAN

Sheet Number:
C2.2

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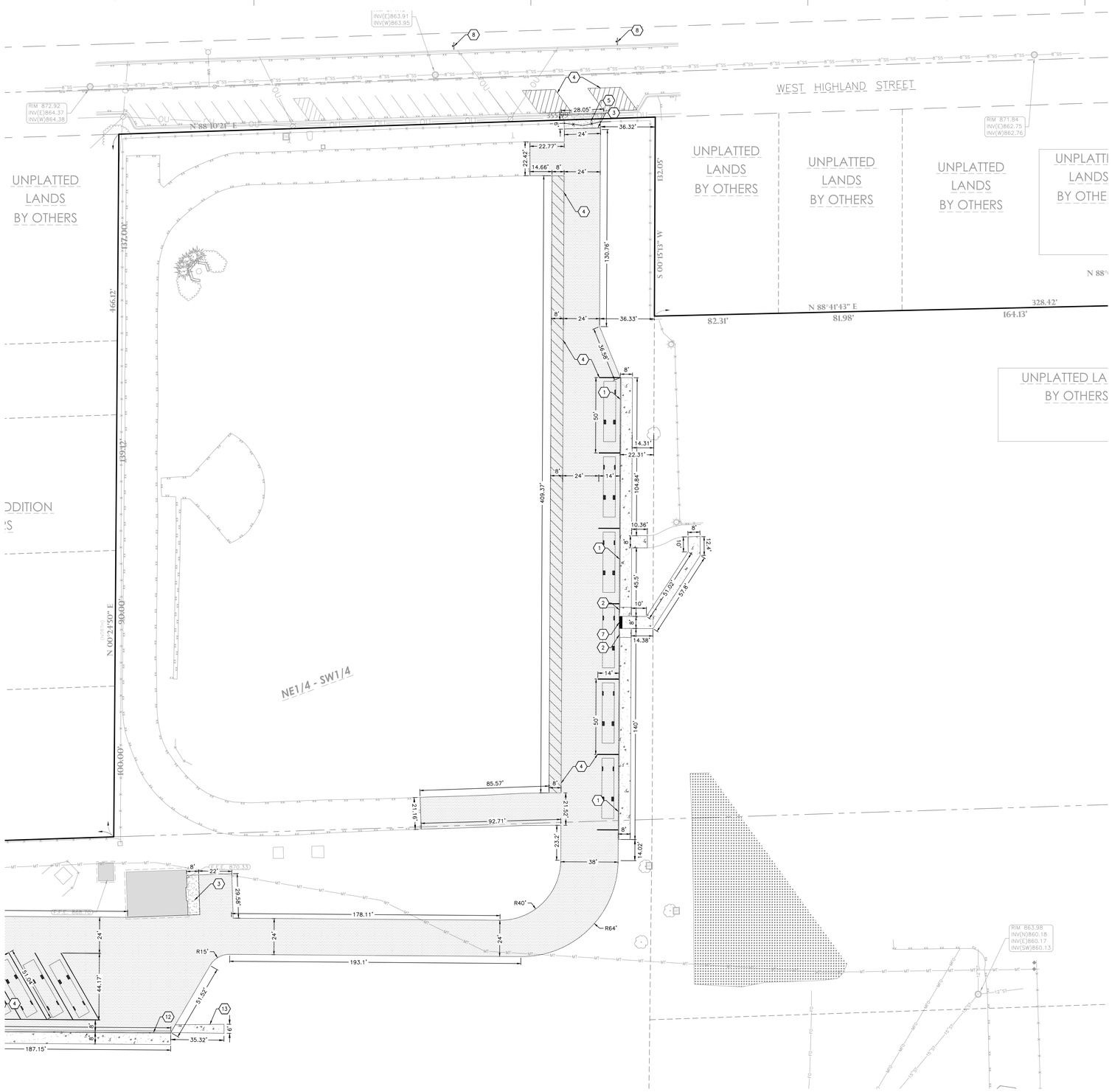

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NORTH LAYOUT PLAN

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C2.3

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WEST HIGHLAND STREET
SOUTH HAZELYN COURT
SOUTH ELIZABETH STREET
NW1/4 - SW1/4
NE1/4 - SW1/4
SW1/4 - SW1/4
SE1/4 - SW1/4
N 88°30'28" E 374.00'
S 00°15'13" W 132.05'
N 88°41'43" E 328.42'
N 88°03'32" E 23.92'
N 00°21'50" E 466.02'
N 88°21'12" E 173.35'
N 88°07'50" E 398.02'
S 87°59'56" W 329.24'
S 00°21'50" W 466.77'
POINT OF BEGINNING
BENCHMARK #1 ELEV=864.79
BENCHMARK #2 ELEV=871.44
BENCHMARK #3 ELEV=878.20
BENCHMARK #4 ELEV=877.61
BENCHMARK #5 ELEV=868.34
RIM 874.40 INV(E)863.91 INV(W)863.95
RIM 872.92 INV(E)864.37 INV(W)864.38
RIM 871.84 INV(E)862.75 INV(W)862.76
RIM 877.70 INV(S)868.25
RIM 863.98 INV(N)860.18 INV(E)860.17 INV(SW)860.13
RIM 876.88 INV(W)874.38
RIM 877.87 INV(W)868.47 INV(6"S)868.49
RIM 872.28 TOP OF CLOSED AND BURIED PIPE 869.78
RIM 873.43 INV(W)869.34
RIM 874.85 INV(W)872.90
RIM 875.24 INV(N)864.02 INV(S)863.99 INV(W)864.00
RIM 870.36 INV(NW)865.76 INV(NE)865.71 INV(SW)865.55
INV 869.67
RIM 873.85 INV(W)871.00
DRAIN INV 869.94
DRAIN INV 872.39
DRAIN INV 871.36
DRAIN 871.31
12" CULVERT INV 861.95
COLLAPSED PIPE TOP 863.16
15" CULVERT INV 859.28
15" CULVERT INV 859.10
15" CULVERT INV 858.93
ELEV OUTSIDE DOOR 873.55
ELEV OUTSIDE DOOR 871.17
ELEV OUTSIDE DOOR 871.18
ELEV OUTSIDE DOOR 871.16
ELEV OUTSIDE DOOR 871.78
ELEV OUTSIDE DOOR 867.76
ELEV OUTSIDE DOOR 871.19
ELEV OUTSIDE DOOR 871.15
ELEV OUTSIDE DOOR 871.13
F.F.E. 874.06
F.F.E. 873.84
F.F.E. 874.23
F.F.E. 874.14
F.F.E. 874.16
F.F.E. 874.09
F.F.E. 874.00
F.F.E. 874.13
F.F.E. 871.18
F.F.E. 873.15
F.F.E. 873.25
F.F.E. 874.00
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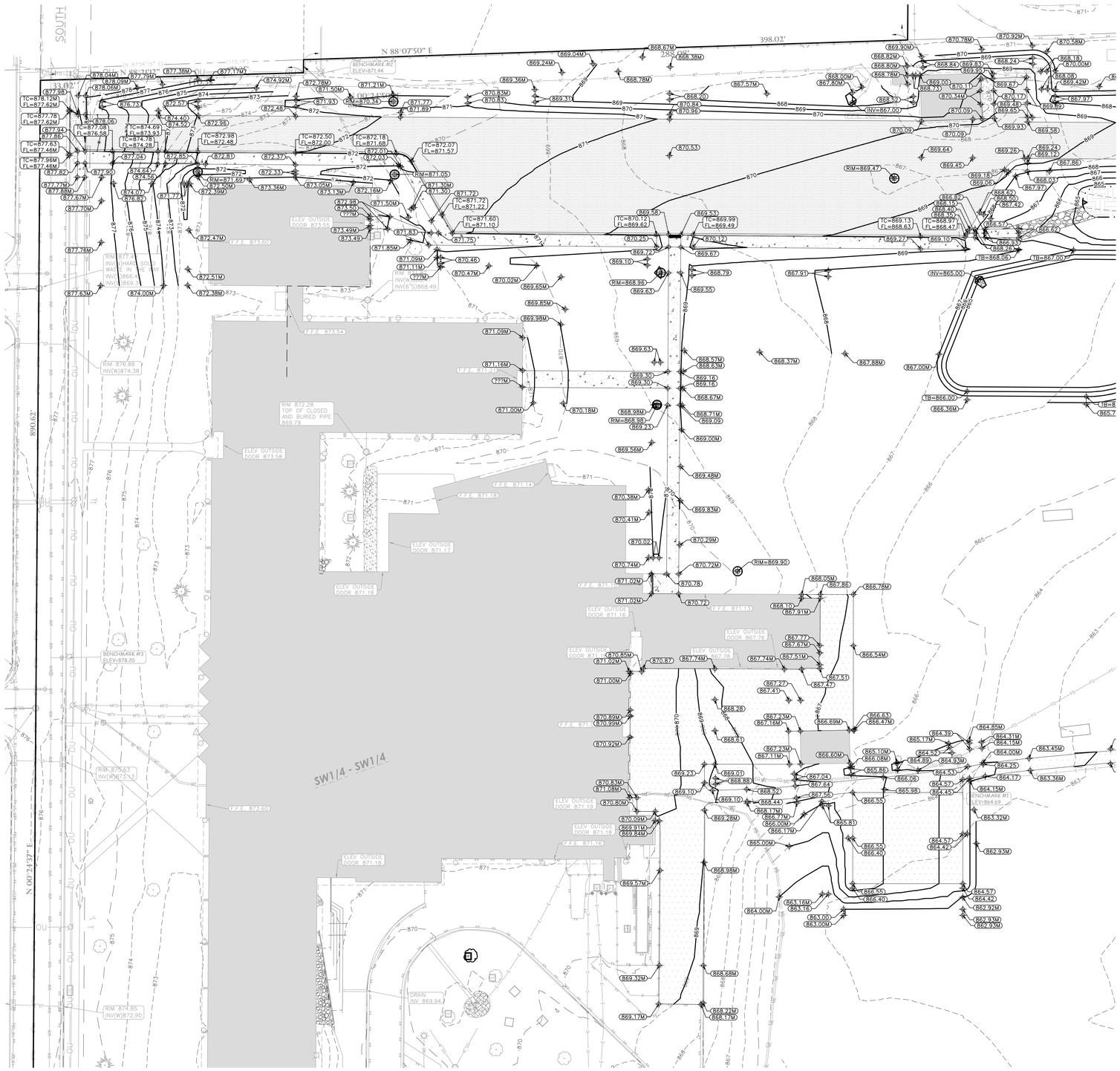
SOUTH
N 88°07'50" E
398.02'
N 88°21'13" E
N 00°24'37" E
890.62'
SW1/4 - SW1/4
BENCHMARK #2
ELEV=871.44
BENCHMARK #3
ELEV=878.20
BENCHMARK #1
ELEV=864.69
DRAIN
INV 869.94
RIM 872.28
TOP OF CLOSED AND BURIED PIPE
869.79
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INV(W)872.90
RIM 875.23
INV(W)873.43
RIM 876.68
INV(W)874.38
RIM 877.05
INV(E)869.49
INV(W)869.39
RIM 871.69
INV(E)868.49
RIM 871.09
INV(E)868.49
RIM 869.90
RIM 871.05
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ELEV OUTSIDE DOOR 873.56
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ELEV OUTSIDE DOOR 867.76
ELEV OUTSIDE DOOR 867.78
ELEV OUTSIDE DOOR 871.19
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F.F.E. 873.55
F.F.E. 873.56
F.F.E. 871.17
F.F.E. 871.18
F.F.E. 871.16
F.F.E. 871.18
F.F.E. 871.19
F.F.E. 871.16
F.F.E. 871.18
F.F.E. 871.18
F.F.E. 871.16
F.F.E. 871.18
F.F.E. 867.76
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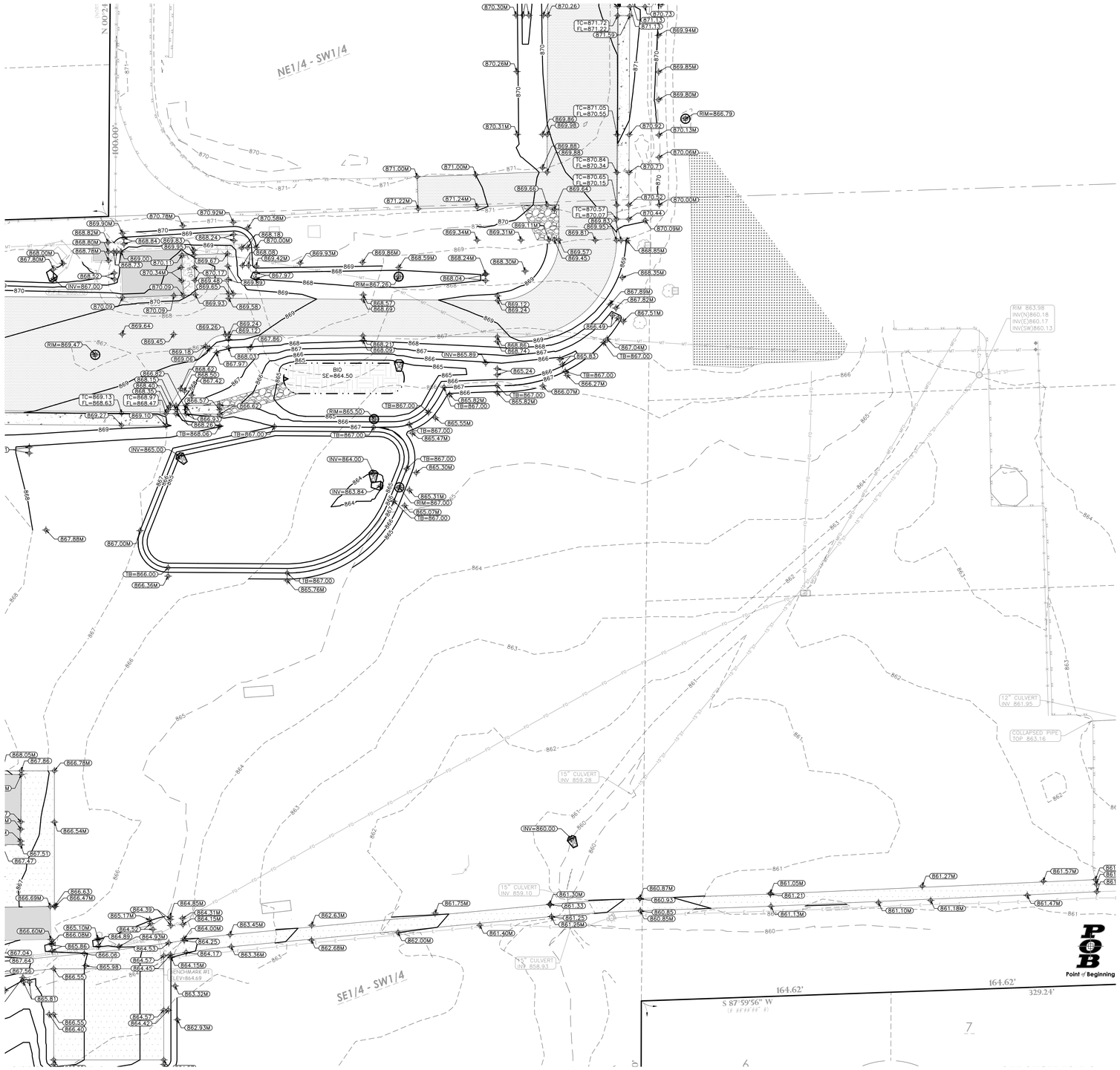
F.F.E. 871.19
F.F.E. 871.18
F.F.E. 871.16
F.F.E. 871.18



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
5. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
6. SEE SHEET C4.0 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
7. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
8. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
9. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
10. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
11. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER. COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
12. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
13. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
14. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
15. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.

GRADING LEGEND:

EXISTING CONTOUR	712
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.26
PROPOSED ENDWALL INVERT ELEVATION	INV=892.00
PROPOSED RIM ELEVATION	RIM=893.56
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
TOP OF BERM ELEVATION	TB=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	7 C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	7 C6.1
PROPOSED STORM SEWER MANHOLE	8 C6.1
PROPOSED STORM SEWER INLET	8 C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	9 C6.1
PROPOSED STORM SEWER CLEANOUT	10 C6.1
PROPOSED BIORETENTION BASIN	9 C6.0

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

0' 30' 60'
1" = 30'

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Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD MIDDLE SCHOOL
401 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

#	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTH GRADING PLAN

Sheet Number:
C3.2

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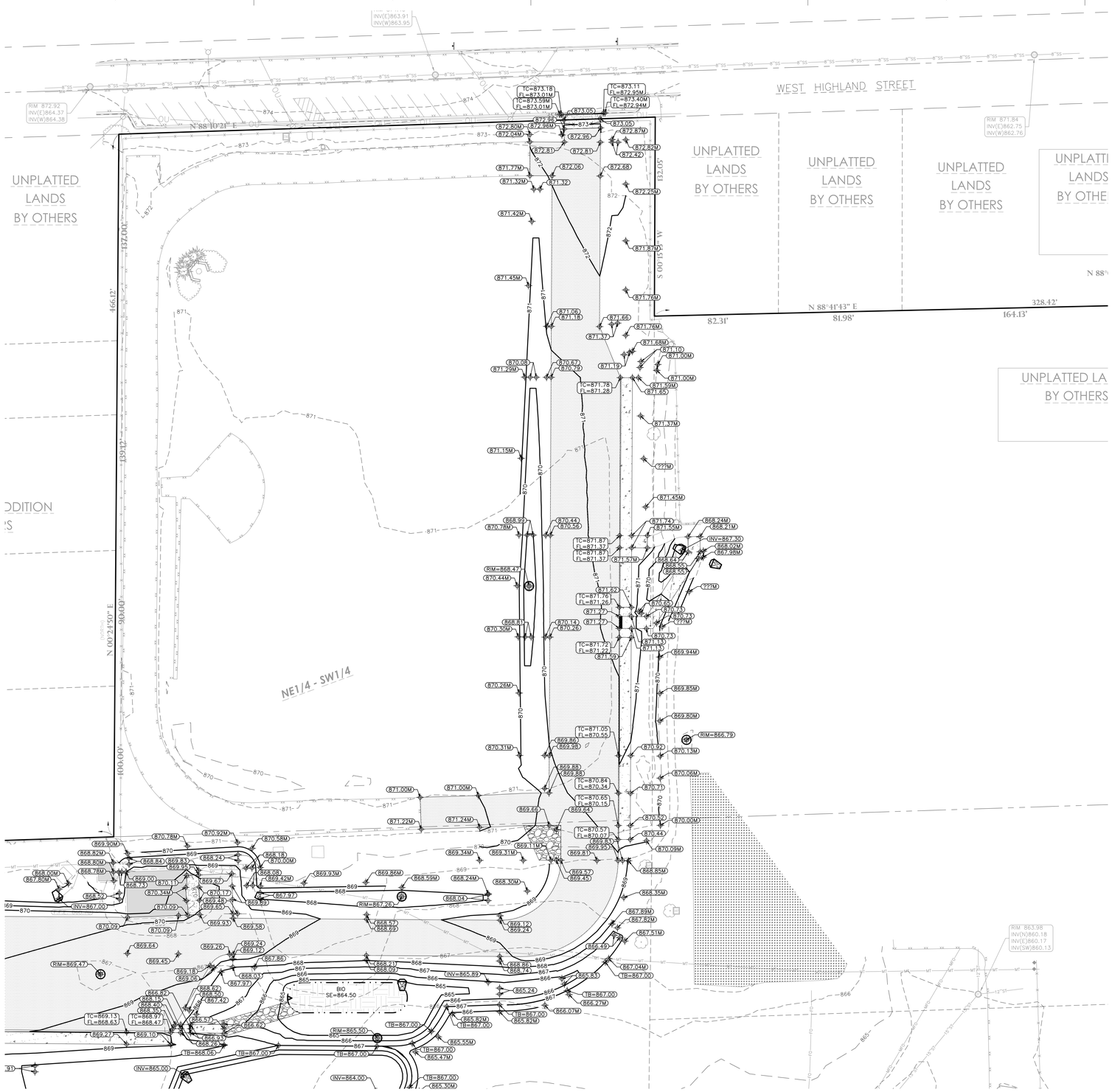

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GRADING LEGEND:

EXISTING CONTOUR	— — — 712 — — —
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.28
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED RIM ELEVATION	RIM=893.56
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
TOP OF BERM ELEVATION	TB=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	7 C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	7 C6.1
PROPOSED STORM SEWER MANHOLE	8 C6.1
PROPOSED STORM SEWER INLET	8 C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	9 C6.1
PROPOSED STORM SEWER CLEANOUT	10 C6.1
PROPOSED BIORETENTION BASIN	9 C6.0

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ELEVATION = 864.69

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ELEVATION = 878.20

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ELEVATION = 877.61

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ELEVATION = 868.34

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0' 30' 60'
1" = 30'

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD MIDDLE SCHOOL
401 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTH GRADING PLAN

Sheet Number:
C3.3

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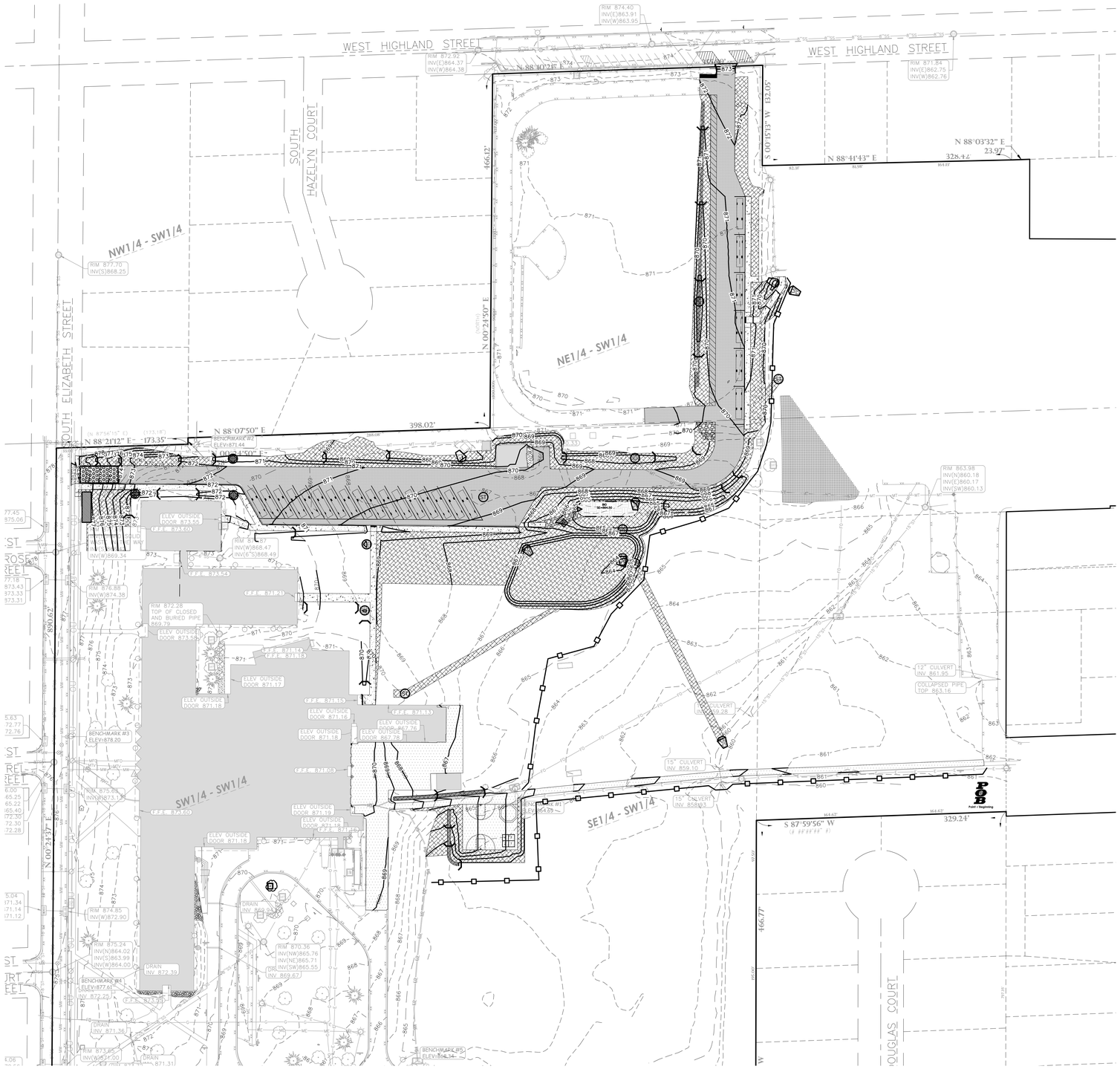
WEST HIGHLAND STREET
SOUTH HAZELYN COURT
SOUTH ELIZABETH STREET
NW1/4 - SW1/4
NE1/4 - SW1/4
SW1/4 - SW1/4
SE1/4 - SW1/4
N 88°30'02" E 574'
N 88°41'43" E 328.34'
N 88°03'32" E 23.97'
S 00°15'15" W 132.05'
N 00°21'50" E 466.02'
N 88°21'12" E 173.35'
N 88°07'50" E 398.02'
S 87°59'56" W 329.24'
S 00°21'50" W 466.77'
POINT OF BEGINNING
BENCHMARK #1 ELEV=865.79
BENCHMARK #2 ELEV=871.44
BENCHMARK #3 ELEV=878.20
BENCHMARK #4 ELEV=877.61
BENCHMARK #5 ELEV=868.34
RIM 874.40 INV(E)863.91 INV(W)863.95
RIM 872.92 INV(E)864.37 INV(W)864.38
RIM 871.84 INV(E)862.75 INV(W)862.76
RIM 877.70 INV(S)868.25
RIM 863.98 INV(N)860.18 INV(E)860.17 INV(SW)860.13
RIM 876.88 INV(W)874.38
RIM 872.28 TOP OF CLOSED AND BURIED PIPE 869.78
RIM 874.85 INV(W)872.90
RIM 875.24 INV(N)864.02 INV(S)863.99 INV(W)864.00
RIM 870.36 INV(NW)865.76 INV(NE)865.71 INV(SW)865.55 INV 869.67
RIM 873.85 INV(W)871.00
12" CULVERT INV 861.95
COLLAPSED PIPE TOP 863.16
12" CULVERT INV 863.28
15" CULVERT INV 859.10
15" CULVERT INV 858.93
ELEV OUTSIDE DOOR 873.55
ELEV OUTSIDE DOOR 871.17
ELEV OUTSIDE DOOR 871.18
ELEV OUTSIDE DOOR 871.16
ELEV OUTSIDE DOOR 871.15
ELEV OUTSIDE DOOR 867.78
ELEV OUTSIDE DOOR 867.76
ELEV OUTSIDE DOOR 871.19
ELEV OUTSIDE DOOR 871.18
DRAIN INV 869.94
DRAIN INV 872.39
DRAIN INV 871.36
DRAIN 871.31
F.F.E. 874.06
F.F.E. 873.54
F.F.E. 874.23
F.F.E. 874.14
F.F.E. 874.15
F.F.E. 873.09
F.F.E. 874.66
F.F.E. 873.13
F.F.E. 871.14
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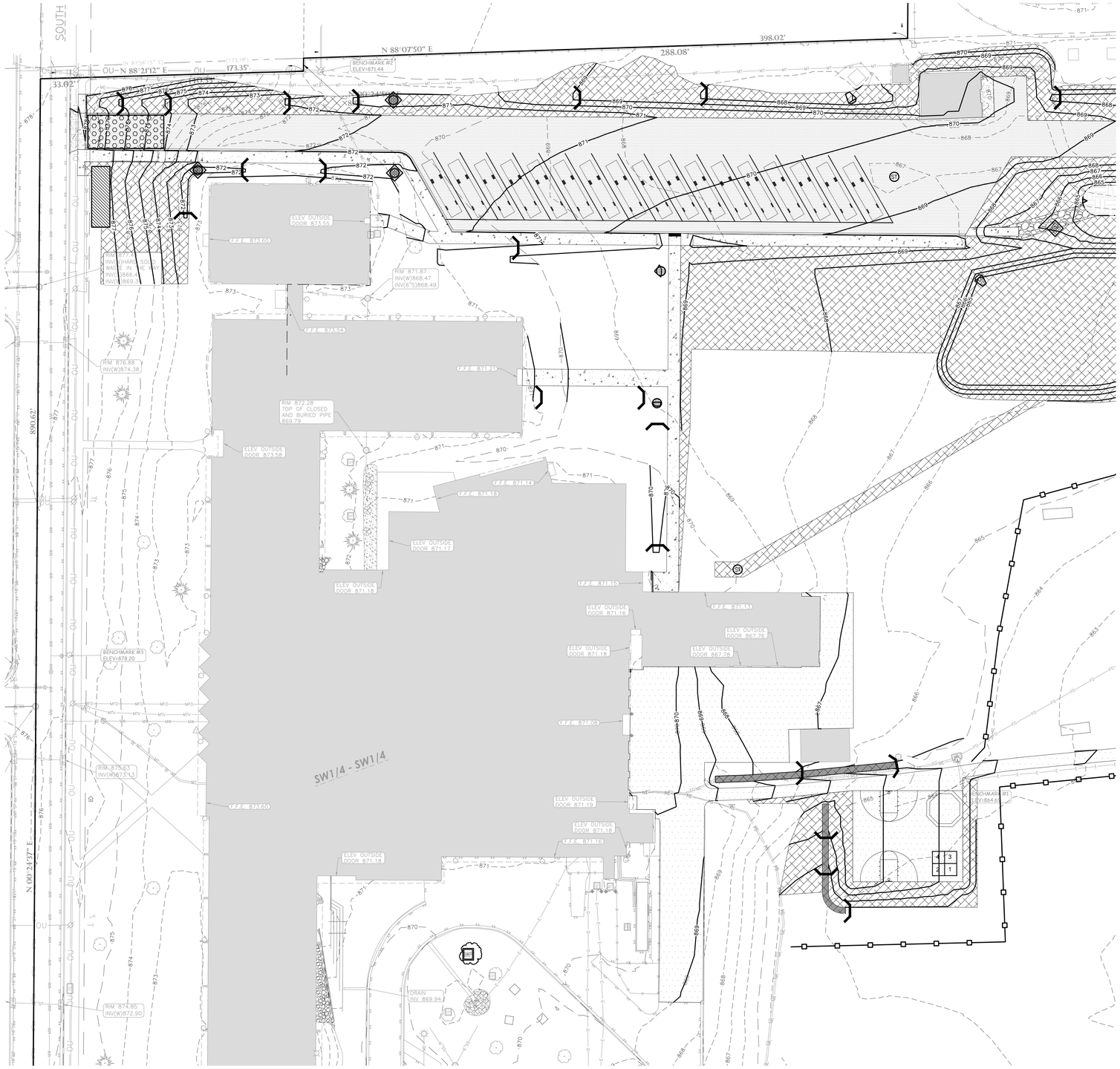

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
15. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. SILT FENCE SHALL BE INSTALLED AROUND THE BIO-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIO-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIO-RETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888	
PROPOSED CONTOUR	888	
PROPOSED SILT FENCE		10 C6.0
PROPOSED INLET PROTECTION		11 C6.0
EROSION CONTROL BLANKET		5 C6.1
EROSION CONTROL BLANKET (CHANNEL FLOW)		6 C6.1
ROCK CONSTRUCTION ENTRANCE		1 C6.1
TEMPORARY DITCH CHECK		2 C6.1
RIP RAP AREA		3 C6.1
CONCRETE WASHOUT AREA		4 C6.1

EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BIO-RETENTION AREA IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063
   - 2.1. SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BIO-RETENTION BASIN. SEE DETAIL.
   - 2.2. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS
   - 2.3. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BIO-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
   - 8.1. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BIO-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND INSTALLATION OF THE ENGINEERED SOIL
9. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

UTILITY DISCLAIMER:

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0' 30' 60'
1" = 30'

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PCB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD MIDDLE SCHOOL
401 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
WEST EROSION CONTROL PLAN

Sheet Number:
C4.1

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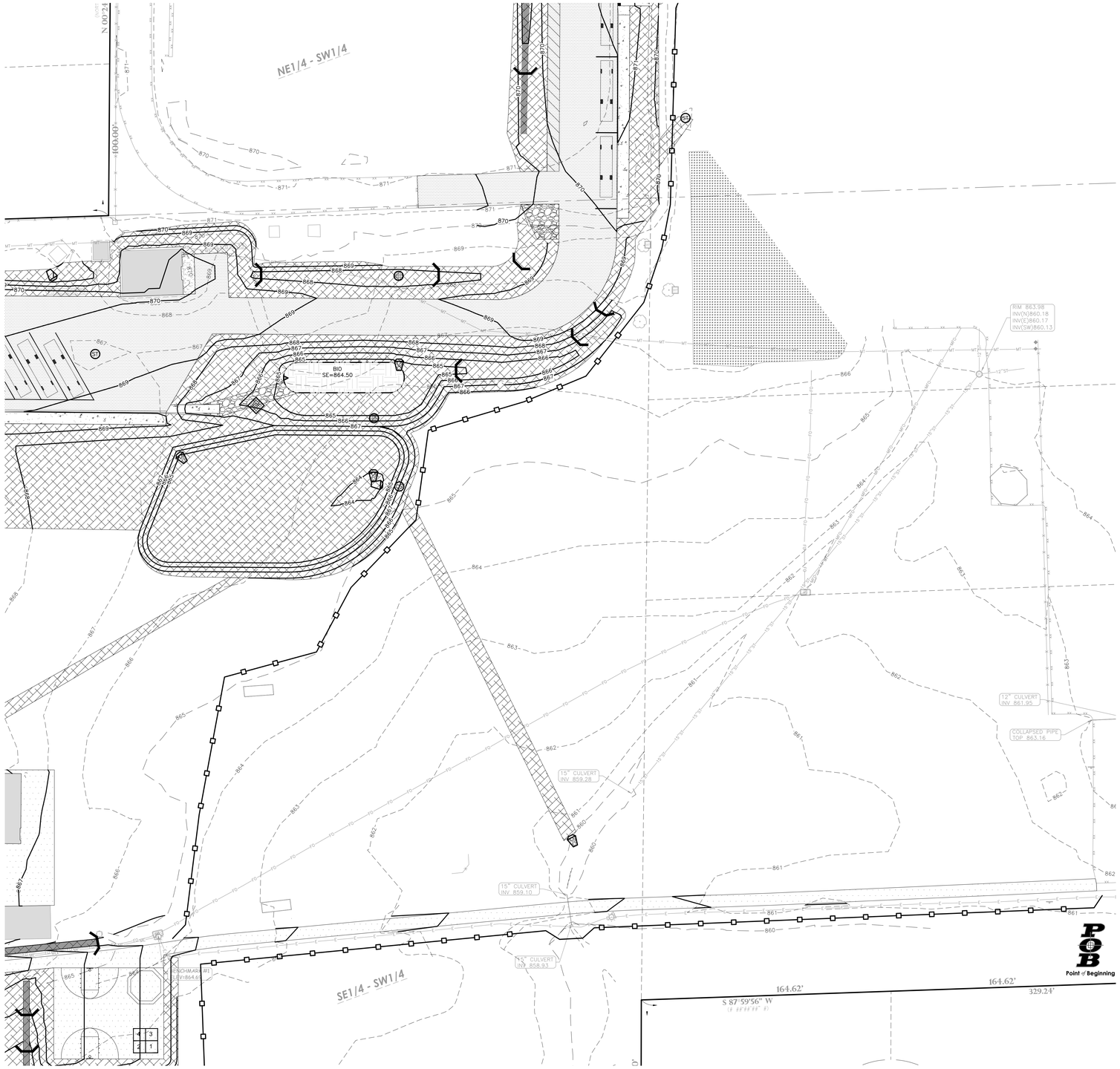

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
15. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. SILT FENCE SHALL BE INSTALLED AROUND THE BIO–RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIO–RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIO–RETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400–187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888	
PROPOSED CONTOUR	888	
PROPOSED SILT FENCE		10 / C6.0
PROPOSED INLET PROTECTION		11 / C6.0
EROSION CONTROL BLANKET		5 / C6.1
EROSION CONTROL BLANKET (CHANNEL FLOW)		6 / C6.1
ROCK CONSTRUCTION ENTRANCE		1 / C6.1
TEMPORARY DITCH CHECK		2 / C6.1
RIP RAP AREA		3 / C6.1
CONCRETE WASHOUT AREA		4 / C6.1

EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BIO–RETENTION AREA IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063
   - 2.1. SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BIO–RETENTION BASIN. SEE DETAIL.
   - 2.2. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS
   - 2.3. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BIO–RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
   - 8.1. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BIO–RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND INSTALLATION OF THE ENGINEERED SOIL
9. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTH EROSION CONTROL PLAN

Sheet Number:
C4.2

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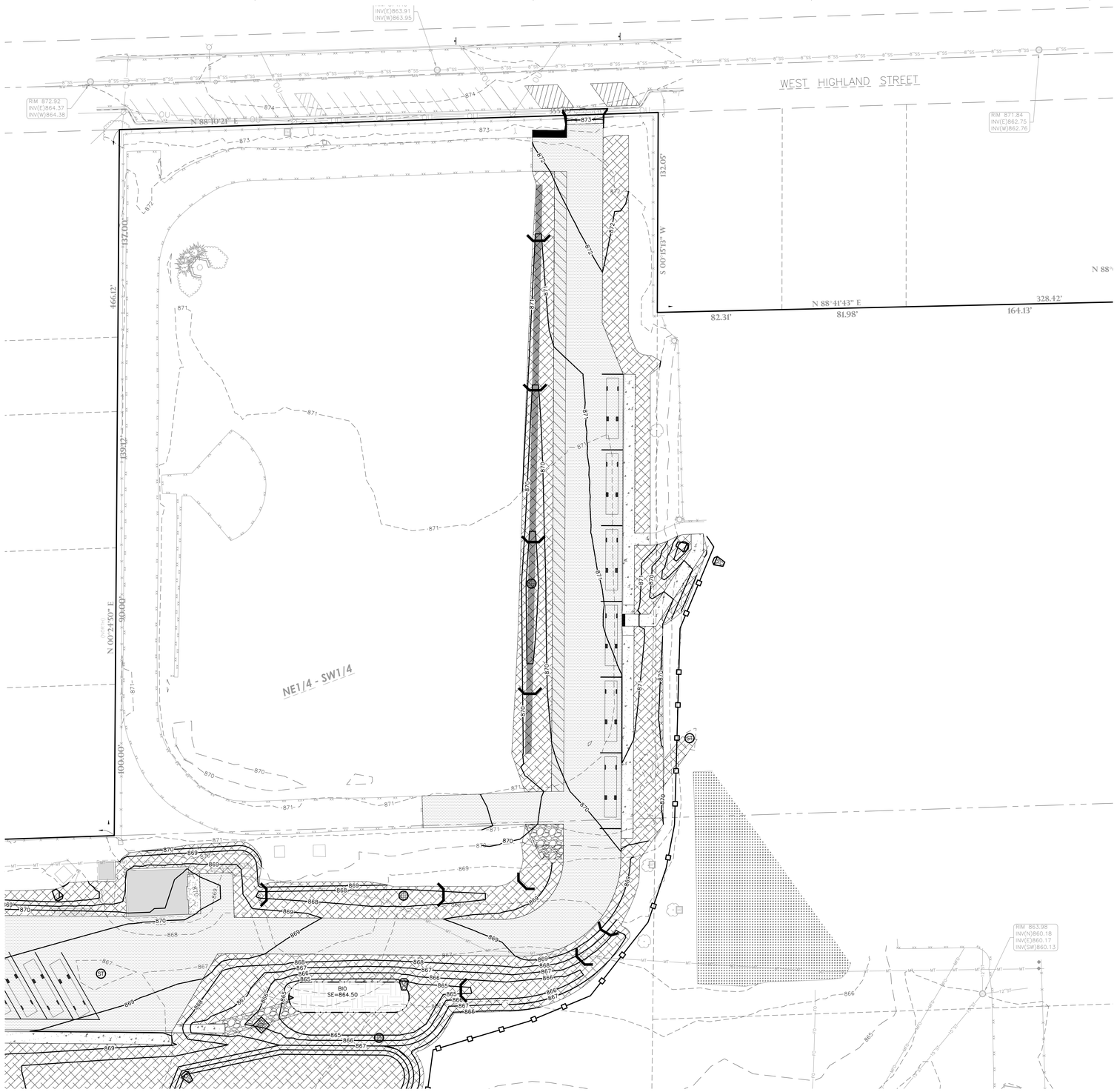

GENERAL NOTES:

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2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
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EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	10 C6.0
PROPOSED INLET PROTECTION	11 C6.0
EROSION CONTROL BLANKET	5 C6.1
EROSION CONTROL BLANKET (CHANNEL FLOW)	6 C6.1
ROCK CONSTRUCTION ENTRANCE	1 C6.1
TEMPORARY DITCH CHECK	2 C6.1
RIP RAP AREA	3 C6.1
CONCRETE WASHOUT AREA	4 C6.1

EROSION CONTROL SEQUENCING:

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
600 SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

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600 SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
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ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

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1" = 30'

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTH EROSION CONTROL PLAN

Sheet Number:
C4.3

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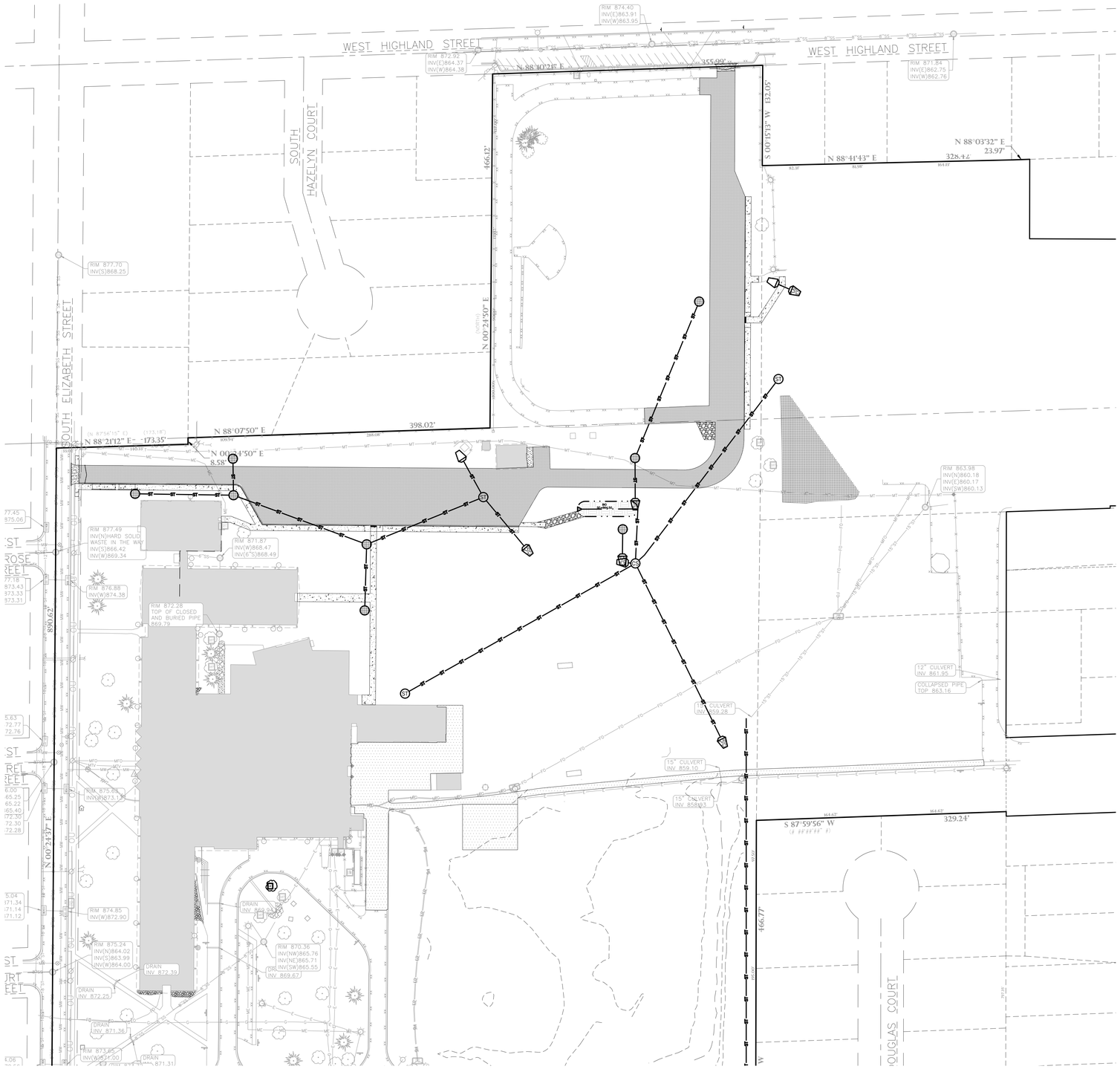

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
10. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
11. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
12. FIELD VERIFY INVERT ELEVATION OF THE STORM SEWER AT THE LOCATION OF THE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS.
13. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
14. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	7 / C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	7 / C6.1
PROPOSED STORM SEWER MANHOLE	ST 8 / C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 9 / C6.1
PROPOSED STORM SEWER INLET	8 / C6.1
PROPOSED STORM SEWER CLEANOUT	10 / C6.1
PROPOSED RIP RAP AREA	3 / C6.1
PROPOSED BIORETENTION BASIN	BIO 9 / C6.0

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 867.00 INV (N) = 862.00 INV (W) = 863.84 INV (SW) = 861.34 INV (NE) = 861.34 INV (SE) = 861.34 DEPTH = 5.66' 48" I.D. PREACST MANHOLE W/ NEENAH R-1733-1 CASTING W/ SOLID LID
ST#1	RIM = 871.69 INV (E) = 868.15 DEPTH = 3.54' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#2	RIM = 870.34 INV (S) = 867.93 DEPTH = 2.41' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#3	RIM = 871.05 INV (W) = 867.81 INV (N) = 867.81 INV (E) = 866.57 DEPTH = 4.48' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#4	RIM = 869.47 INV (NW) = 865.23 INV (W) = 865.23 INV (SE) = 865.23 DEPTH = 4.75' 24" NYLOPLAST DRAIN BASIN W/ 24" SOLID LID W/ 6" SUMP
ST#5	RIM = 865.50 INV (S) = 864.09 DEPTH = 1.91' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SUMP

STRUCTURE #	STRUCTURE DETAILS
ST#6	RIM = 869.90 INV (W) = 863.74 INV (NE) = 863.74 DEPTH = 6.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#7	RIM = 866.79 INV (SW) = 863.79 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#8	RIM = 868.98 INV (N) = 866.31 DEPTH = 3.17' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#9	RIM = 868.96 INV (S) = 866.09 INV (W) = 866.09 INV (E) = 866.09 DEPTH = 3.37' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SUMP
ST#10	RIM = 868.47 INV (S) = 865.87 DEPTH = 3.10' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#11	RIM = 867.26 INV (N) = 865.29 INV (S) = 865.29 DEPTH = 2.47' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP

CLEAN OUT SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CO#1	RIM = 864.51 INV (E) = 862.00

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
6OD SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
6OD SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL UTILITY PLAN

Sheet Number:
C5.0

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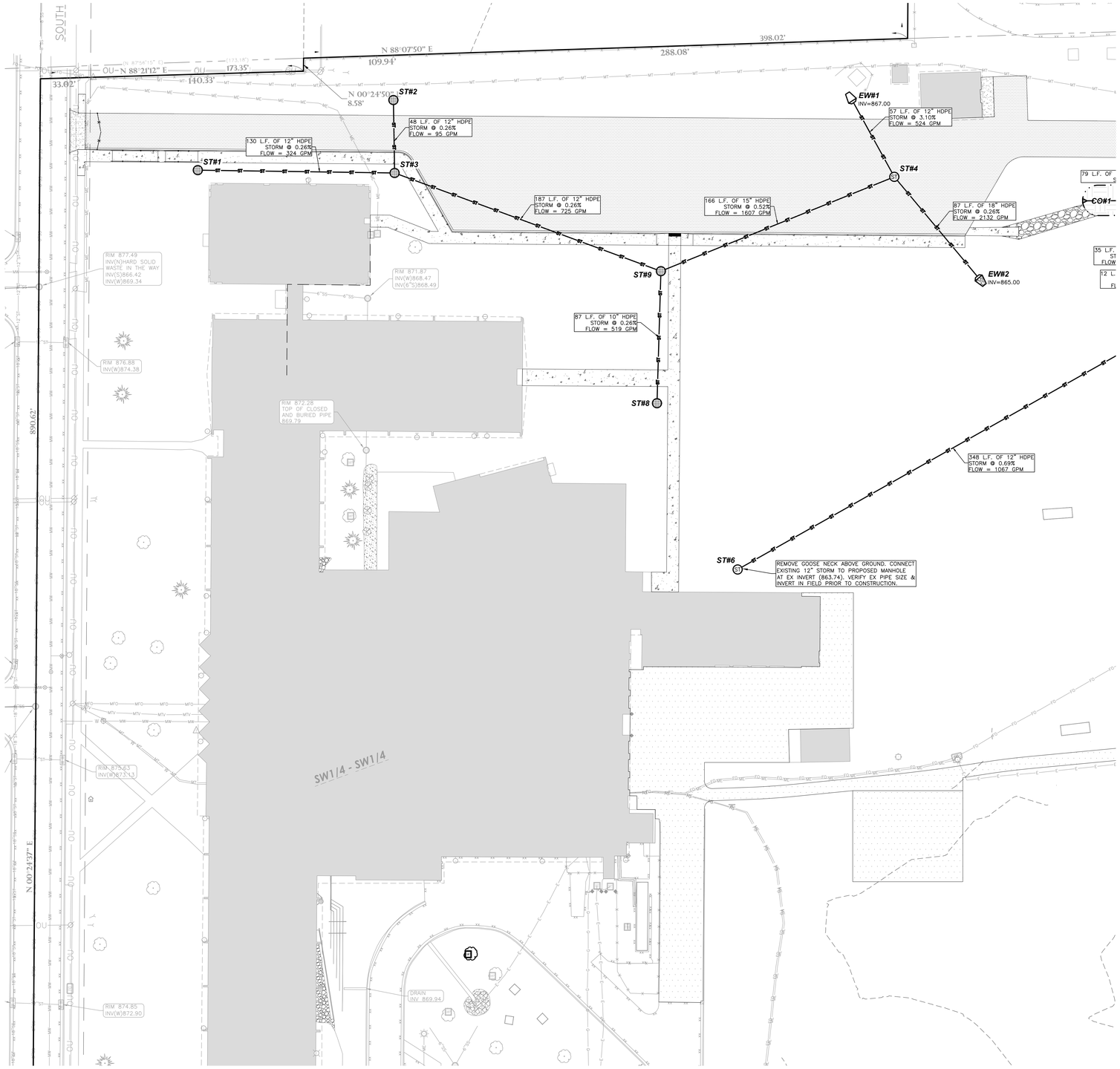

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11. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
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13. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
14. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	7 C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	7 C6.1
PROPOSED STORM SEWER MANHOLE	ST 8 C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 9 C6.1
PROPOSED STORM SEWER INLET	8 C6.1
PROPOSED STORM SEWER CLEANOUT	10 C6.1
PROPOSED RIP RAP AREA	3 C6.1
PROPOSED BIORETENTION BASIN	9 C6.0

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ELEVATION = 871.44

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ELEVATION = 878.20

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CONSTRUCTION DOCUMENTS
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Project Number:
3705

Sheet Title:
WEST UTILITY PLAN

Sheet Number:
C5.1

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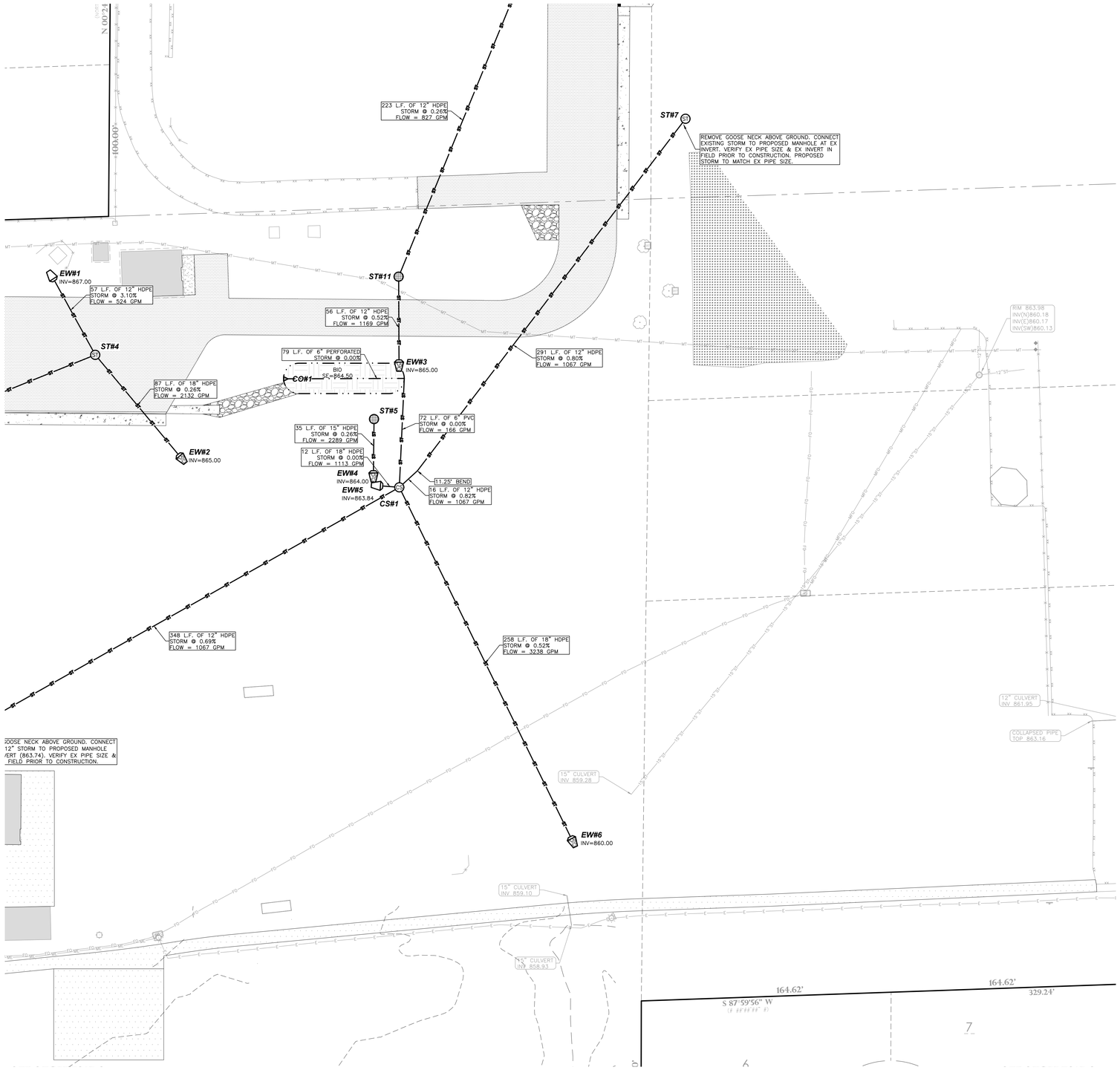

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CLEAN OUT SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
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Sheet Title:
SOUTH UTILITY PLAN

Sheet Number:
C5.2

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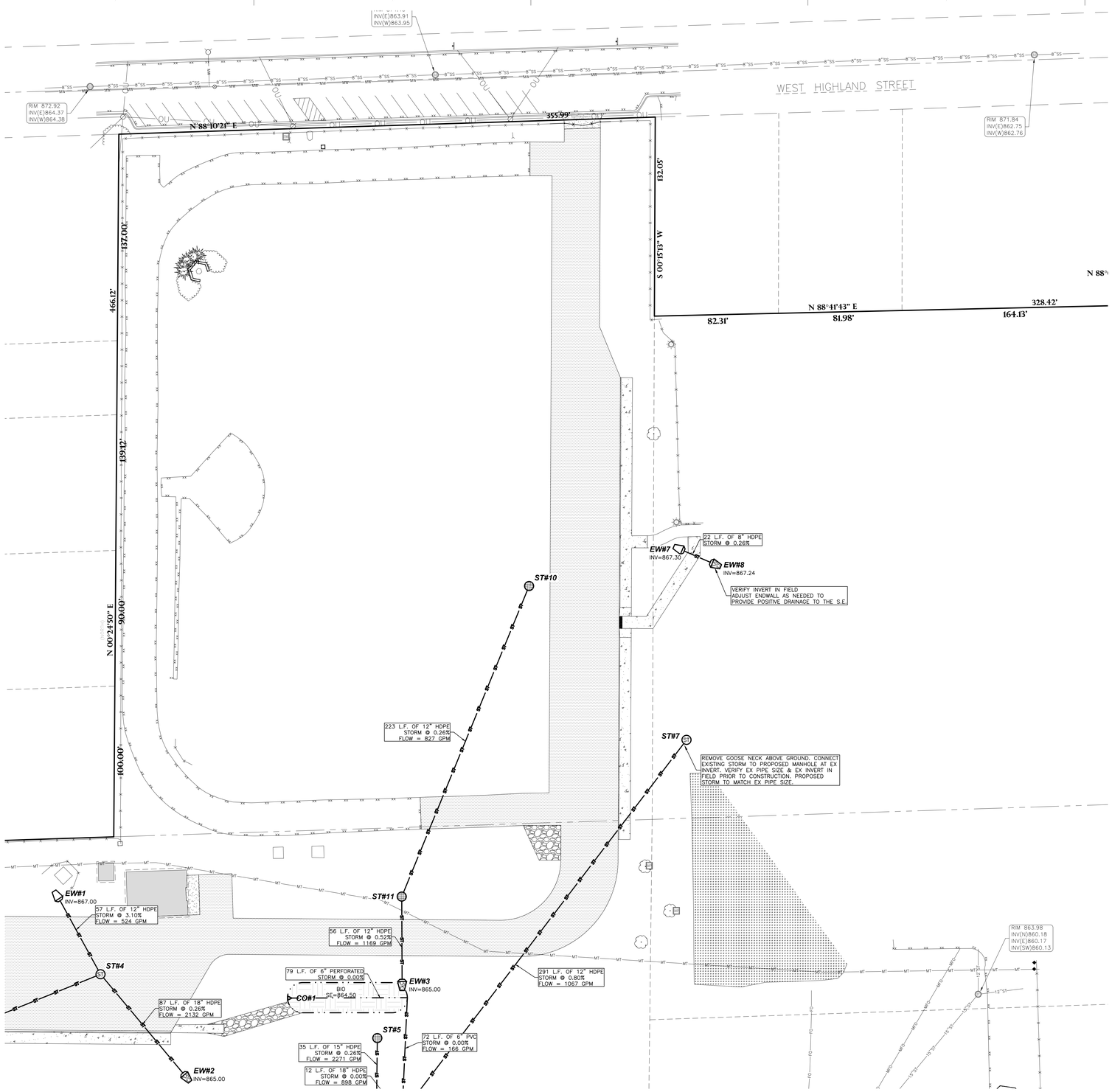

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4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
10. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
11. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
12. FIELD VERIFY INVERT ELEVATION OF THE STORM SEWER AT THE LOCATION OF THE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS.
13. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
14. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	7 C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	7 C6.1
PROPOSED STORM SEWER MANHOLE	ST 8 C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 9 C6.1
PROPOSED STORM SEWER INLET	8 C6.1
PROPOSED STORM SEWER CLEANOUT	10 C6.1
PROPOSED RIP RAP AREA	3 C6.1
PROPOSED BIORETENTION BASIN	BIO 9 C6.0

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 867.00 INV (N) = 862.00 INV (W) = 863.84 INV (SW) = 861.34 INV (NE) = 861.34 INV (SE) = 861.34 DEPTH = 5.66' 48" I.D. PREACST MANHOLE W/ NEENAH R-1733-1 CASTING W/ SOLID LID
ST#1	RIM = 871.69 INV (E) = 868.15 DEPTH = 3.54' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#2	RIM = 870.34 INV (S) = 867.93 DEPTH = 2.41' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#3	RIM = 871.05 INV (W) = 867.81 INV (N) = 867.81 INV (E) = 866.57 DEPTH = 4.48' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#4	RIM = 869.47 INV (NW) = 865.23 INV (W) = 865.23 INV (SE) = 865.23 DEPTH = 4.75' 24" NYLOPLAST DRAIN BASIN W/ 24" SOLID LID W/ 6" SUMP
ST#5	RIM = 865.50 INV (S) = 864.09 DEPTH = 1.91' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SUMP
ST#6	RIM = 869.90 INV (W) = 863.74 INV (NE) = 863.74 DEPTH = 6.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#7	RIM = 866.79 INV (SW) = 863.79 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#8	RIM = 868.98 INV (N) = 866.31 DEPTH = 3.17' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#9	RIM = 868.96 INV (S) = 866.09 INV (W) = 866.09 INV (E) = 866.09 DEPTH = 3.37' 24" NYLOPLAST DRAIN BASIN W/ 24" DOME GRATE W/ 6" SUMP
ST#10	RIM = 868.47 INV (S) = 865.87 DEPTH = 3.10' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP
ST#11	RIM = 867.26 INV (N) = 865.29 INV (S) = 865.29 DEPTH = 2.47' 12" NYLOPLAST DRAIN BASIN W/ 12" DOME GRATE W/ 6" SUMP

CLEAN OUT SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CO#1	RIM = 864.51 INV (E) = 862.00

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NGVD 29 DATUM.

BENCHMARK #1
60D SPIKE ON NORTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 70 FEET EAST OF THE EAST EDGE OF THE SALT SHED.
ELEVATION = 864.69

BENCHMARK #2
60D SPIKE ON SOUTH SIDE OF POWER POLE, LOCATED APPROXIMATELY 75 FEET NORTH OF THE NORTH EDGE OF THE WHITEWATER MIDDLE SCHOOL BUILDING.
ELEVATION = 871.44

BENCHMARK #3
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST LAUREL STREET.
ELEVATION = 878.20

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED ON THE EAST SIDE OF THE INTERSECTION OF SOUTH ELIZABETH STREET AND WEST COURT STREET.
ELEVATION = 877.61

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED APPROXIMATELY 175 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE WHITEWATER UNITED SCHOOL DISTRICT CENTRAL OFFICE BUILDING.
ELEVATION = 868.34

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

0' 30' 60'
1" = 30'

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Project Title:
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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTH UTILITY PLAN

Sheet Number:
C5.3

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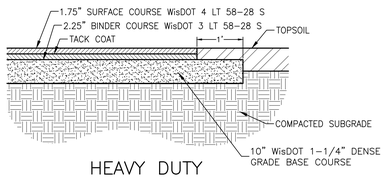
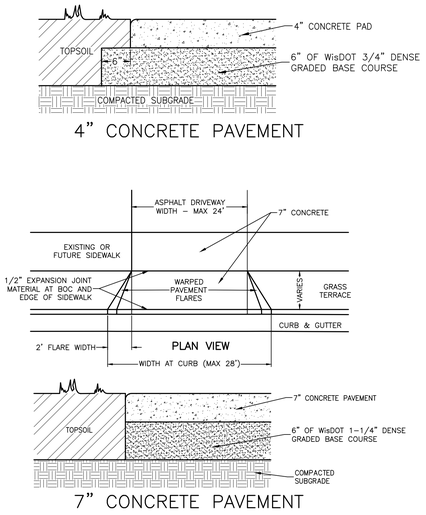
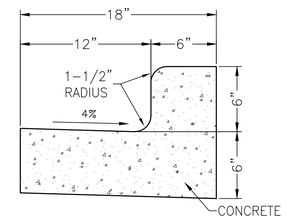


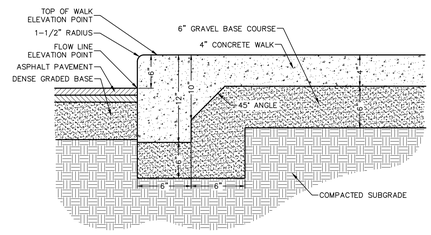
ASPHALT PAVEMENT — 1 / C6.0



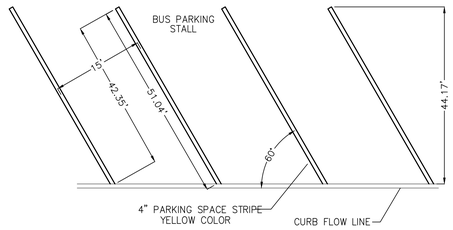
CONCRETE PAVEMENT — 2 / C6.0



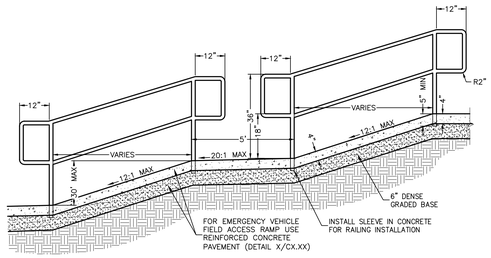
18" CONCRETE CURB & GUTTER — 3 / C6.0



THICKENED EDGE WALK — 4 / C6.0

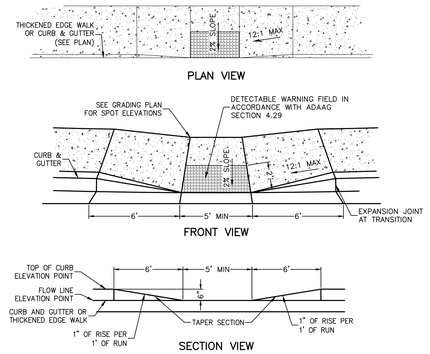


PARKING LOT STRIPING — 5 / C6.0

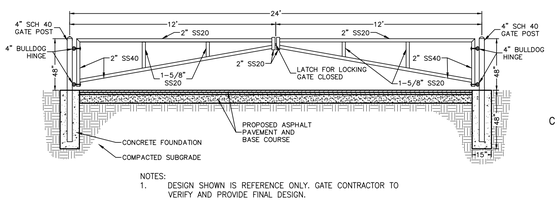


NOTES:
1. USE WAGNER COMPANIES SERIES 500 ALUMINUM HANDRAILS OR APPROVED EQUAL.
2. INSTALL HANDRAIL IN ACCORDANCE WITH MANUFACTURE'S REQUIREMENTS.
3. HANDRAILS SHALL BE INSTALLED ON BOTH SIDES OF RAMP SYSTEM.
4. HANDRAIL COLOR SELECTION BY OWNER.
5. ANY WELD JOINTS ON HAND RAIL SHALL BE GROUND SMOOTH.

CONCRETE RAMP W/ RAILINGS — 6 / C6.0

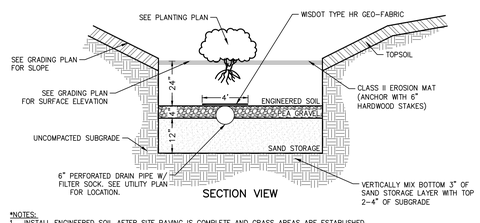


ACCESSIBLE CURB RAMP — 7 / C6.0



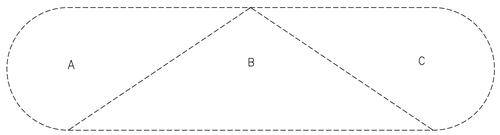
NOTES:
1. DESIGN SHOWN IS REFERENCE ONLY. GATE CONTRACTOR TO VERIFY AND PROVIDE FINAL DESIGN.

24' WIDE SWING GATE — 8 / C6.0



*NOTES:
1. INSTALL ENGINEERED SOIL AFTER SITE PAVING IS COMPLETE AND GRASS AREAS ARE ESTABLISHED.
2. NO MECHANICAL COMPACTION, INCLUDING EQUIPMENT TRACKING.
3. INSTALL ENGINEERED SOIL IN 6" LIFTS. SPINKLER WATER EACH LIFT TO SIMULATE RAINFALL AND PROMOTE NATURAL SETTLEMENT.
4. ENGINEERED SOIL SHALL CONSIST OF 70 TO 85% SAND AND 15 TO 30% COMPOST, BY VOLUME.
   4.A. SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS:
   - USDA COARSE SAND (.02 – .04 INCHES)
   - ASTM C33 (FINE AGGREGATE CONCRETE SAND)
   - WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4. (FINE AGGREGATE CONCRETE SAND) 2005 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY. THE PREFERRED SAND COMPONENT CONSISTS OF MOSTLY SIO2, BUT SAND CONSISTING OF DOLOMITE OR CALCIUM CARBONATE MAY ALSO BE USED. MANUFACTURED SAND OR STONE DUST IS NOT ALLOWED. THE SAND SHALL BE WASHED AND DRAINED TO REMOVE CLAY AND SILT PARTICLES PRIOR TO MIXING.
   4.B. COMPOST SHALL MEET WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100, COMPOST.
5. ENGINEERED SOIL SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER.
6. ENGINEERED SOIL SHALL HAVE A PH BETWEEN 5.5 AND 6.5 AND HAVE ADEQUATE NUTRIENT CONTENT FOR PLANT GROWTH.
7. SAND STORAGE SHALL CONSIST OF SAND MEETING ONE OF THE ABOVE MENTIONED SAND GRADATIONS.

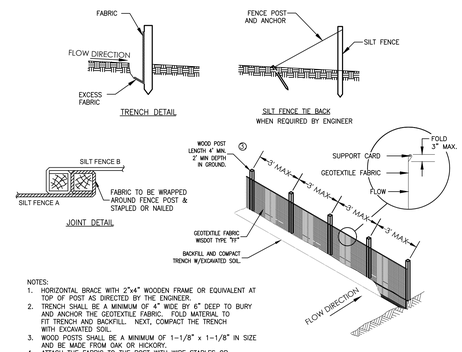
BIO-RETENTION BASIN — 9 / C6.0



PLANT CLUSTER	SIZE	TOTAL PLUGS
A	PLUG	450
B	PLUG	595
C	PLUG	450

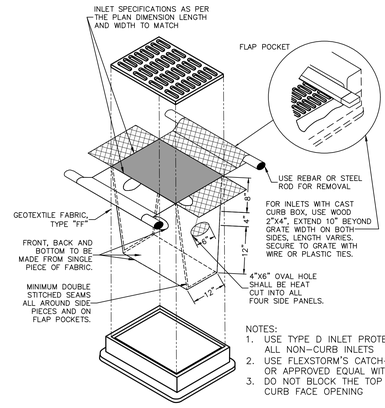
BOTANICAL NAME	COMMON NAME
A–ASTER NOVE–ANGLIAE	NEW ENGLAND ASTER
B–SORGHASTRUM NUTANS	INDIAN GRASS
C–RUDBECKIA HIRTA	BLACK–EYED SUSAN

**1 PLUG FOR EVERY 1 SQUARE FEET



NOTES:
1. HORIZONTAL BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS DIRECTED BY THE ENGINEER.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE BY 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL. NEXT, COMPACT THE TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM OF 1–1/8" x 1–1/8" IN SIZE AND BE MADE FROM OAK OR HICKORY.
4. ATTACH THE FABRIC TO THE POST WITH WIRE STAPLES OR WOODEN LATH AND NAILS.
5. WOOD POSTS SHALL MAINTAIN A 3' MAXIMUM SPACING WHEN USING STANDARD GEOTEXTILE FABRIC. WHEN WOVEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

SILT FENCE — 10 / C6.0



NOTES:
1. USE TYPE D INLET PROTECTION FOR ALL NON-CURB INLETS
2. USE FLEXSTORM'S CATCH-IT PRODUCT OR APPROVED EQUAL WITH RIGID FRAME.
3. DO NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING

INLET PROTECTION — 11 / C6.0

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Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY:
Point of Beginning

Project Title:
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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
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12/19/2025

Project Number:
3705

Sheet Title:
DETAILS

Sheet Number:
C6.0

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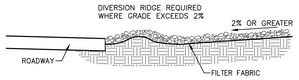
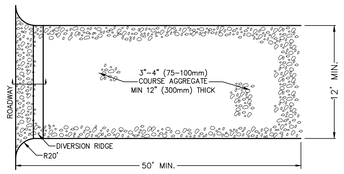
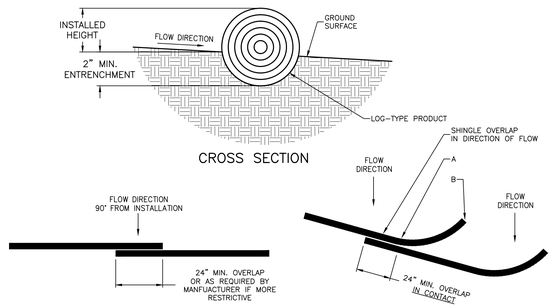




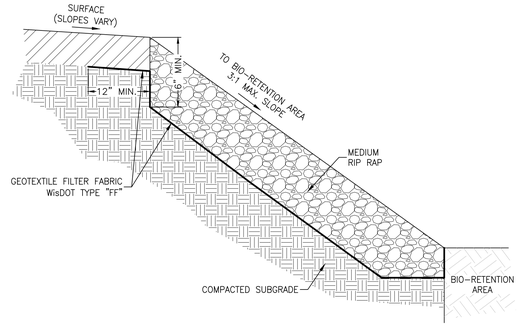
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

ROCK CONSTRUCTION ENTRANCE — 1 / C6.1

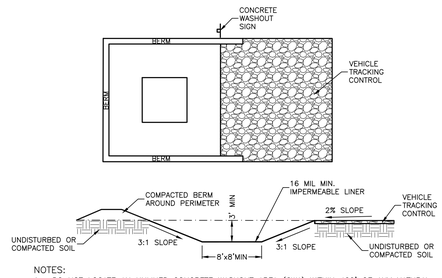


NOTES:
1. USE WDNR T.S. 1071 "INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS."
2. INSTALLED HEIGHT IS MEASURED FROM THE UPSLOPE GROUND SURFACE TO THE TOP OF THE PRODUCT, DUE TO SETTLEMENT &/OR DEFORMATION, THE INSTALLED HEIGHT MAY NOT BE EQUIVALENT TO THE NOMINAL DIAMETER OF THE PRODUCT.
3. J-HOOKS SHALL BE INSTALLED SO THAT THE GROUND-PRODUCT INTERFACE ELEVATION AT LOCATION "B" IS HIGHER THAN THE TOP OF PRODUCT ELEVATION AT LOCATION A TO CREATE A WEIR AT POINT "A".
4. J-HOOKS SHALL BE INSTALLED EVERY 2 VERTICAL FEET OF DROP ALONG THE LENGTH OF THE INSTALLATION.
5. STAKE OVERLAP AS REQUIRED BY MANUFACTURER.
6. INSPECT DITCH CHECK FOR DEFICIENCIES PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AFTER RAIN EVENTS, AND AT 1-WEEK INTERVALS.
7. REMOVE SEDIMENT BEHIND DITCH CHECK BEFORE SEDIMENT LEVEL REACHES THE HALFWAY POINT BETWEEN THE GROUND SURFACE AND TOP OF THE DITCH CHECK.

TEMPORARY DITCH CHECK — 2 / C6.1

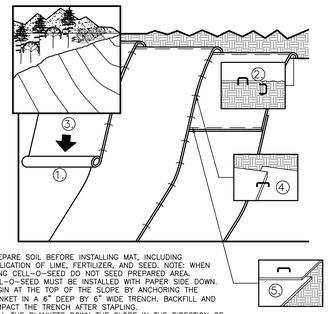


RI PRAP AREA — 3 / C6.1



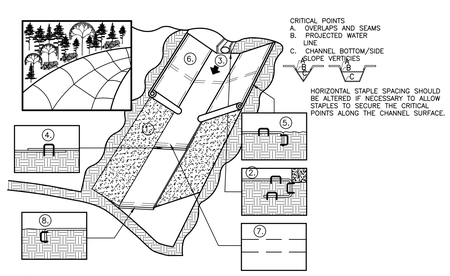
NOTES:
1. DO NOT LOCATE AN UNLINED CONCRETE WASHOUT AREA (CWA) WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000 OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED.
2. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
3. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' WITH SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1. THE PIT SHALL BE AT LEAST 3' DEEP.
4. BERM SURROUNDING SIDES AND BACK OF CWA SHALL HAVE A MINIMUM HEIGHT OF 1'.
5. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS CWA PIT.
6. SIGNS SHALL BE PLACED AT THE CONSTUCTION ENTRACE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

CONCRETE WASHOUT — 4 / C6.1



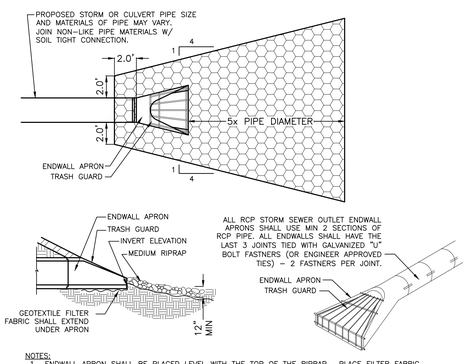
NOTES:
1. PREPARE SOIL BEFORE INSTALLING MAT, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.
5. EROSION CONTROL MAT SHALL BE LISTED ON THE CURRENT WisDOT PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS I TYPE A EROSION MAT.

EROSION MAT - SLOPES — 5 / C6.1



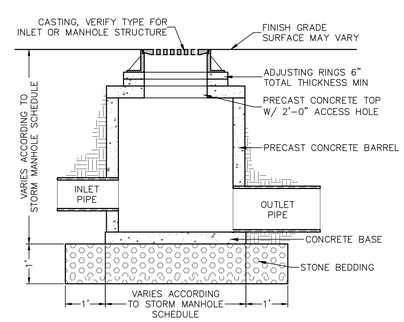
NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. 3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS. 5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED. 7. IN MEDIUM/HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF CHANNEL. PLACE A SECOND ROW OF 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN AND COMPACT THE TRENCH AFTER STAPLING. 8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
9. EROSION CONTROL MAY SHALL BE LISTED ON THE CURRENT WISCONSIN DEPARTMENT OF TRANSPORTATION PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS III TYPE A EROSION MAT.

EROSION MAT - CHANNEL — 6 / C6.1



NOTES:
1. ENDWALL APRON SHALL BE PLACED LEVEL WITH THE TOP OF THE RIPRAP. PLACE FILTER FABRIC BENEATH THE PROPOSED RIPRAP. RIPRAP SHALL BE PLACED ONLY AT DISCHARGE END PIPE. SEE UTILITY PLAN FOR LOCATION
2. ALL ENDWALLS SHALL HAVE A TRASH GUARD
3. ENDWALL MATERIAL SHALL MATCH PIPE MATERIAL UNLESS OTHERWISE NOTED
4. FOR PIPES ≤ 24", TOE-WALL LENGTH SHALL MATCH WIDTH OF ENDWALL SECTION.
5. FOR PIPES > 24", TOE-WALL LENGTH SHALL EQUAL 2(D) + ENDWALL SECTION WIDTH.

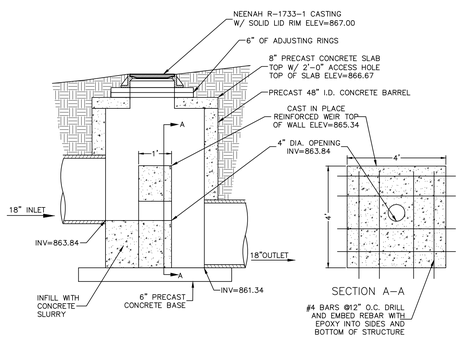
ENDWALL STRUCTURE — 7 / C6.1



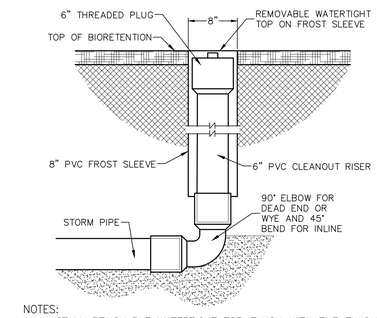
SECTION VIEW

NOTES:
1. DRAINTILE SHALL BE INSTALLED AROUND ALL NEW & EXISTING MANHOLES WITHIN PAVEMENT AREAS, UNLESS OTHERWISE NOTED ON PLANS.
2. MANHOLES STEPS SHALL BE INSTALLED IN ALL STORM STRUCTURES EXCEEDING A TOTAL HEIGHT OF 5.0'.

STORM MANHOLE — 8 / C6.1

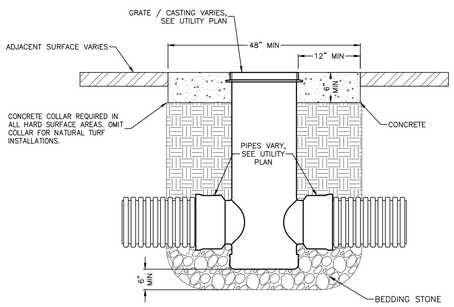


CONTROL STRUCTURE — 9 / C6.1



NOTES:
1. INSTALL REMOVABLE WATERTIGHT TOP FLUSH WITH THE FINISH GRADE
2. SEE THE STORM SEWER PLAN FOR INVERT AND RIM ELEVATIONS.

STORM CLEANOUT — 10 / C6.1



NOTES:
1. SEE UTILITY PLAN - STORM MANHOLE SCHEDULE FOR FULL DETAILS FOR EACH DRAIN BASIN.
2. SEE UTILITY PLAN FOR DRAIN BASIN LOCATIONS.
3. INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
4. DRAIN BASINS SHALL BE NYLOPLAST PVC DRAIN BASINS BY ADS, OR APPROVED EQUAL.

NYLOPLAST DRAIN BASIN — 8 / C6.1

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ISSUANCES + REVISIONS:

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
DETAILS

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C6.1

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SYMBOL LEGEND

MATERIAL SYMBOLS

- ALUMINUM
- BATT INSULATION
- CONCRETE
- CONCRETE BLOCK
- EARTH
- FACE BRICK
- FINISH WOOD
- GRAVEL
- GROUT
- GYPSUM BOARD
- PLYWOOD
- RIGID INSULATION
- ROUGH LUMBER
- SAND
- SPRAY APPLIED INSULATION
- STEEL

GRAPHIC SYMBOLS

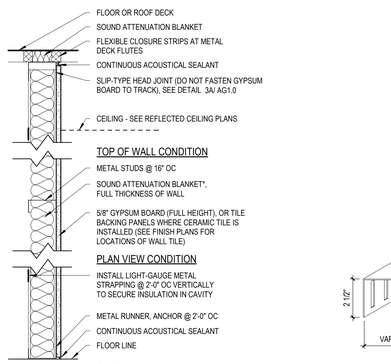
- ROOM NAME / 101 — ROOM NAME, ROOM NUMBER
- 1 / A101 — BUILDING SECTION NUMBER, SHEET NUMBER
- 1 / A101 — WALL SECTION NUMBER, SHEET NUMBER
- 1 / A101 — DETAIL NUMBER, SHEET NUMBER
- HHHA.H — DOOR NUMBER
- BL.A400.4 — BORROWED LITE TYPE
- W400.4 — WINDOW TYPE, STOREFRONT TYPE, CURTAIN WALL TYPE
- ? — DEMO KEYNOTE
- ? — KEYNOTE
- X4B — WALL TYPE
- VERTICAL WORKING POINT ELEVATION
- 8 — REVISION
- NORTH ARROW
- PLAN NORTH
- # / A# #.# / # — EXTERIOR ELEVATION NUMBER, SHEET NUMBER
- # / A# #.# / # — INTERIOR ELEVATION NUMBER, SHEET NUMBER
- EXISTING WALL, EXISTING DOOR
- DEMOLISHED WALL, DEMOLISHED DOOR
- NEW WALL, NEW DOOR
- 0 — EXISTING GRID LINES
- 0 — NEW GRID LINES

PROJECT KEYNOTE LEGEND

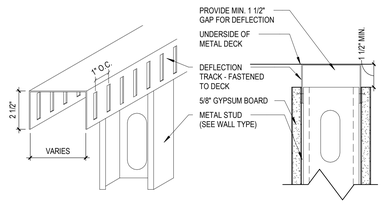
P7	REMOVE PORTION OF WALL FOR NEW ELECT. PANEL. PATCH AND PAINT TO MATCH EXISTING.

TYPICAL ABBREVIATIONS

@	AT
A/C	AIR CONDITIONING
ACC	ACCESS(IBLE)
ACM	ALUMINUM COMPOSITE PANEL
ACR	ACOUSTICAL CEILING REFLECTOR
ACS FLR	ACCESS FLOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
ADH	ADHESIVE
ADJ	ADJUSTABLE
AE	ATHLETIC EQUIPMENT
AED	AUTOMATIC EXTERNAL DEFIBRILLATOR
AFF	ABOVE FINISHED FLOOR
AHR	ANCHOR
ALT	ALTERNATE
ALUM	ALUMINUM
AMC	ACOUSTICAL METAL PAN CEILING
ANOD	ANODIZE(D)
AP	ACRYLIC PANEL
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
ARB	AIR BARRIER
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AUD	AUDITORIUM SEATING
AUX	AUXILIARY
AV	AUDIO VISUAL
AVG	AVERAGE
AWF	ACOUSTICAL WALL PANEL MATERIAL
AWP	ACOUSTICAL WALL PANEL
BEJ	BUILDING EXPANSION JOINT (EXTERIOR)
BEV	BEVEL(ED)
BITUM	BITUMINOUS
BLDG	BUILDING
BLE	BRICK LEDGE ELEVATION
BLK	BLOCK(ING)
BLT	BORROWED LITE
BM	BEAM
BMU	BURNISHED MASONRY UNIT
BOT	BOTTOM
BPC	SOUND ABSORBING BAFFLE PANELS
BRD	BRANDING ITEM
BRG	BEARING
BRK	BRICK
BW	BUILDING WRAP
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAB	CABINET
CBR	COUNTERTOP BRACKET
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CFLG	COUNTER FLASHING
CG	CORNER GUARD
CH	COAT HOOK
CIP	CAST-IN PLACE
CJ	CONTROL (CONSTRUCTION) JOINT
CLG	CEILING
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNR	CORNER
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CS	CAST STONE
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
CURT	CURTAIN
CVB	COVERBOARD
DP	CABINET (DOOR/DRAWER) PULL
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN (ELECTRIC WATER COOLER)
DIA	DIAMETER
DMPF	DAMPROOFING
DN	DOWN
DPR	DIGITAL PRINT
DPTN	DEMOUNTABLE PARTITION
DR	DOOR
DRLG	DECORATIVE RAILING / GUARDRAIL
DS	DOWNSPOUT
DTS	DATE STONE
DWG	DRAWING
DWR	DRAWER
E	EAST
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT (INTERIOR)
EL	ELEVATION
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
ENTR	ENTRANCE
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EPT	EPOXY PAINT
EQ	EQUAL
ETR	EXISTING TO REMAIN
EW	EACH WAY
EWC	ELECTRIC WATER COOLER (DRINKING FOUNTAIN)
EXH	EXHAUST
EXP	EXPOSED
EXST	EXISTING
EXT	EXTERIOR
F&I	FURNISH & INSTALL
FAB	FABRIC
FB	FACE BRICK
FCO	FLOOR CLEANOUT
FCS	FIBER CEMENT SIDING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FE-36	FIRE EXTINGUISHER (AGENT 36 FOR COMPUTERS)
FEC	FIRE EXTINGUISHER CABINET
FEP	FINISHED END PANEL
FGL	FIBERGLASS
FHP	FULL HEIGHT PARTITION
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR LINE
FLASH	FLASHING
FLG	FLOORING
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FOW	FACE OF WALL
FP	FIREPROOF (ING)
FPGL	FIRE PROTECTIVE GLAZING UNIT
FRFD	FIRE RATED FOLDING DOOR
FRG	FIBER REINFORCED GYPSUM
FRGL	FIRE RESISTIVE GLAZING UNIT
FRP	FIBER REINFORCED PLASTIC
FSTNR	FASTENER
FTG	FOOTING
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCJ	GYPSUM BOARD CONTROL JOINT
GEN	GENERAL
GF	GROUND FACE
GF CMU	GROUND FACE CMU
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GL	MONOLITHIC GLAZING UNIT
GL	GLASS
GL BLK	GLASS BLOCK
GL CMU	GLAZED CMU
GR	GRADE
GROM	GROMMET
GT	GROUT
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
HB	HOSE BIBB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HYD	HYDRANT
IGU	INSULATED GLASS UNIT
IMC	INTUMESCENT MASTIC COATING
INCL	INCLUDED
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IPT	INTUMESCENT PAI
JAN	JANITOR
JAN CLO	JANITOR'S CLOSET
JT	JOINT
KIN	KINETEK TILE
KPL	KICK PLATE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LINO	LINOLEUM TILE
LKR	LOCKER
LMC	LINEAR METAL CEILING
LOC	LOCATION
LT	LIGHT
LVR	LOUVER
LVT	LUXURY VINYL TILE
MA	MASONRY ACCESSORY
MAX	MAXIMUM
MD	METAL DECK
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MJ	MASONRY MOVEMENT JOINT
MKB	MARKERBOARD
MKBV	MARKERBOARD VINYL
MLWK	MILLWORK
MO	MASONRY OPENING
MOB	MOBILE PARTITION
MPB	METAL (PIPE) BOLLARD
MS	MOP SINK (SERVICE SINK)
MSP	METAL SOFFIT PANEL
MT	MOSAIC TILE
MTD	MOUNTED
MTL	METAL
MWP	METAL WALL PANEL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED / OWNER INSTALLED
OH	OVERHEAD
OHDR	OVERHEAD DOOR
OPH	OPPOSITE HAND
OPNG	OPENING
PCONC	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISH(ED)
PROJ	PROJECT
PT	PAINT
PVG	PAVING
PVMT	PAVEMENT
PWR	POWER
QT	QUARRY TILE
QZ	QUARTZ
R	RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
REINF	REINFORCE
REM	REMOVABLE
REQD	REQUIRED
RES	RESINOUS FLOORING
RFG	ROOFING
RFS	ROOF SPECIALTIES
RH	ROOF HATCH
RLG	RAILING / GUARDRAIL
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RUB	RUBBER FLOORING
S	SOUTH
SAN	SANITARY
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SC	SOLID CORE
SCA	SECURITY CEILING ASSEMBLIES
SCHED	SCHEDULE
SCONC	SEALED CONCRETE
SF	SQUARE FOOT
SHT	SHEET
SHTHG	SHEATHING
SKLT	SKYLIGHT
SLNT	SEALANT
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SPKR	SPEAKER
SPT	SPORTS FLOORING
SQ	SQUARE
SQ IN	SQUARE INCH
SSC	STAINLESS STEEL COUNTERTOP
SSF	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STG	SEATING
STL	STEEL
STL JST	STEEL JOIST
STL LNTL	STEEL LINTEL
STL PL	STEEL PLATE
STL TB	STEEL TUBE
STL TR	STEEL TRUSS
STM	STEAM
STN	STONE
STNV	STONE VENEER
STOR	STORAGE
SV	SHEET VINYL
SYS	SYSTEM
T	TREADS
T&G	TONGUE & GROOVE
TA	TOILET ACCESSORY
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY, TEMPERED
TER	TERRAZZO
TKB	TACKBOARD
TKS	TACKABLE WALL STRIP
TO	TOP OF
TP	TOILET COMPARTMENT (PARTITION)
TRS	TRANSITION STRIP
TS	TACKABLE SURFACE
TSS	TELESCOPIC STANDS (BLEACHERS)
TT	TERRAZZO TILE
TWF	TACKABLE WALL PANEL MATERIAL
TWP	TACKABLE WALL PANEL
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISH(ED)
UR	URINAL
UTIL	UTILITY
VCS	VINYL COMPOSITION SHEET
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VNR	VENEER
VOL	VOLUME
VP	VENEER PLASTER
VR	VAPOR RETARDER
VS	VERTICAL SUNSHADE
VWC	VINYL WALL COVERING
W	WEST
W	WITH
WW	WALL TO WALL
WB	WALL BASE
WD	WOOD
WDFIN	WOOD FINISH
WDFLR	WOOD FLOOR
WDW	WINDOW
WDWT	WINDOW TREATMENT
WGL	WIREED GLASS
WOT	WALK OFF CARPET TILE
WP	WATERPROOFING
WSB	WALL SHEATHING
WSCT	WAINSCOT
WWR	WELDED WIRE REINFORCEMENT
YD	YARD
YR	YEAR



"ni" IN WALL TAG INDICATES WALLS WITHOUT SOUND ATTENUATION BLANKET	C#	INDICATES NOMINAL STUD SIZE
	C2	1 5/8" STUD 2 1/4" DEEP
	C3	2 1/2" STUD 3 1/8" DEEP
	C4	3 5/8" STUD 4 1/4" DEEP
	C6	6" STUD 6 5/8" DEEP
	C8	8" STUD 8 5/8" DEEP



3A / AG1.0 SLIP-TYPE HEAD JOINT
Scale: 3" = 1'-0"

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Project Title:
CAPITAL MAINTENANCE TO WHITEWATER MIDDLE SCHOOL
Whitewater Unified School District
401 S Elizabeth St
Whitewater, WI 53190

ISSUANCES + REVISIONS:

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
GENERAL NOTES

Sheet Number:
AG1.0

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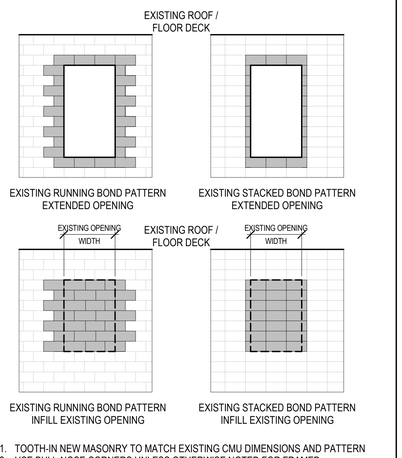
OPENING / INFILL AT EXISTING MASONRY WALL

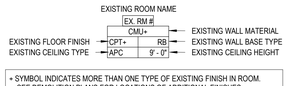


1. TOOTH-IN NEW MASONRY TO MATCH EXISTING CMU DIMENSIONS AND PATTERN
2. USE BULL-NOSE CORNERS UNLESS OTHERWISE NOTED FOR FRAMED OPENINGS.
3. AT BRICK CONDITIONS USE SALVAGED BRICK.
4. AT STRUCTURALLY SUPPORTED OPENINGS, COORDINATE WITH STRUCTURAL DRAWINGS FOR LINTEL AND BEARING INFORMATION. MODIFY THE EXTENT OF TOOTH-IN WORK AS REQUIRED FOR LINTEL BEARING.
5. REFERENCE ELECTRICAL PLANS FOR PANEL SIZING.
6. PAINT TO MATCH EXISTING.

6D A0.1 OPENING IN EXISTING MASONRY WALL
Scale: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:



+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM. SEE DEMOLITION PLANS FOR LOCATIONS OF ADDITIONAL FINISHES.

1. OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
2. REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE FINISH PLANS & INTERIOR FINISH LEGEND FOR FINISHES.
3. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
4. UNLESS NOTED OTHERWISE, PATCH ALL FLOORS, BASE, WALLS AND CEILINGS AT EXPOSED AREAS AFFECTED BY DEMOLITION REGARDLESS OF TRADE DOING THE DEMOLITION WORK. PATCH TO MATCH ADJACENT EXISTING CONSTRUCTION WHERE SPECIFIC INFORMATION IS NOT NOTED OR SCHEDULED. REFER TO FINISH PLANS.
5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
7. SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.
8. REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

KEYNOTE LEGEND

P7 REMOVE PORTION OF WALL FOR NEW ELECT. PANEL. PATCH AND PAINT TO MATCH EXISTING.



6A A0.1 FIRST FLOOR DEMO PLAN
Scale: 1" = 20'-0"

2B A0.1 SECOND FLOOR DEMO PLAN
Scale: 1" = 20'-0"

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
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Sheet Title:
FIRST FLOOR DEMOLITION PLAN

Sheet Number:
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GENERAL NOTES

1. DO NOT SCALE FROM DRAWINGS.
2. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
3. REFER TO SHEET AG1.0 FOR WALL TYPES.
4. REFER TO SHEET AG1.0 FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEETS FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
5. DIMENSIONS FOR INTERIOR STUD WALLS ARE TO FACE OF WALL. EXTERIOR STUD WALLS ARE DIMENSIONED TO INTERIOR FACE OF STUDS. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
6. REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.



4A A1.1 FIRST FLOOR PLAN
Scale: 1" = 20'-0"

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Project Title:
CAPITAL MAINTENANCE TO
WHITEWATER MIDDLE SCHOOL
Whitewater Unified School District
401 S Elizabeth St
Whitewater, WI 53190

ISSUANCES + REVISIONS:

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Sheet Title:
OVERALL FIRST FLOOR PLAN

Sheet Number:
A1.1

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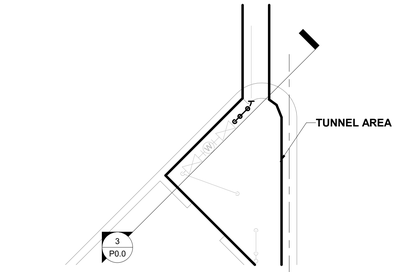
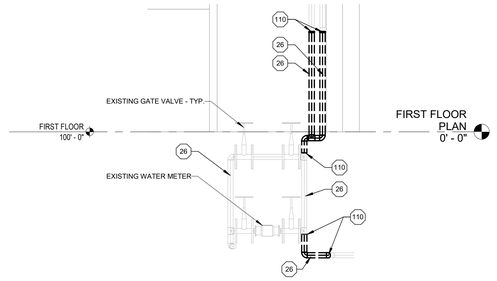
SHEET KEYNOTES	
26	REMOVE AND REPLACE EXISTING DAMAGED INSULATION. FIELD VERIFY PIPE SIZES UNDER INSULATION.
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.



1 P0.0 FOUNDATION DEMOLITION PLAN
Scale: 3/64" = 1'-0"



2 P0.0 WATER SERVICE DEMOLITION ENLARGED VIEW
Scale: Not To Scale



3 P0.0 WATER SERVICE DEMOLITION ELEVATION VIEW
Scale: Not To Scale

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Whitewater Unified School District
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Sheet Title:
FOUNDATION DEMOLITION PLAN

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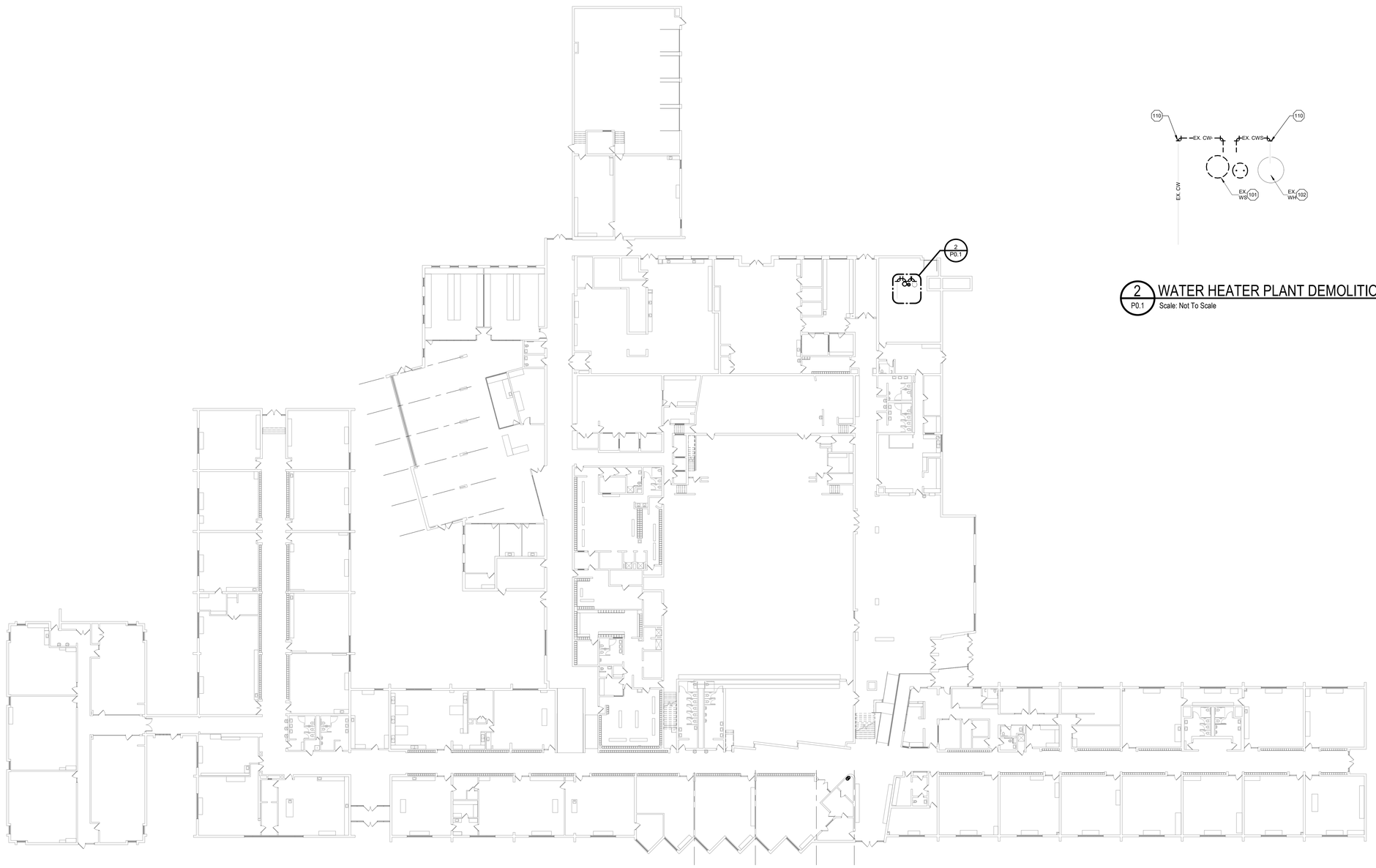
SHEET KEYNOTES

101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.
102	EXISTING PLUMBING FIXTURE / EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION. ENSURE PROPER OPERATION OF FIXTURE / EQUIPMENT BEFORE COMPLETION OF PROJECT.
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.



1 / P0.1 FIRST FLOOR DEMOLITION PLAN
Scale: 3/64" = 1'-0"

2 / P0.1 WATER HEATER PLANT DEMOLITION ENLARGED VIEW
Scale: Not To Scale

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FIRST FLOOR DEMOLITION PLAN

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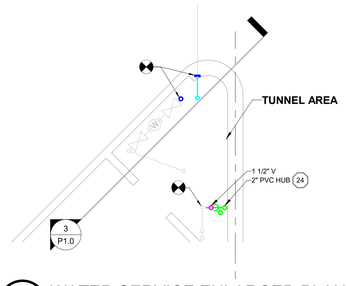
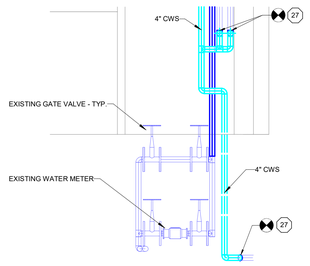
SHEET KEYNOTES

24	ROUTE WATER SOFTENER DISCHARGE TO 2" PVC HUB. PROVIDE TRAP AND VENT AND CONNECT INTO EXISTING SANITARY PIPING IN TUNNEL.
27	CONNECT NEW SOFTENED WATER INTO EXISTING SYSTEM. FIELD VERIFY PIPE CONNECTION SIZES AND LOCATIONS.



2 P1.0 WATER SERVICE ENLARGED PLAN
Scale: Not To Scale



3 P1.0 WATER SERVICE ELEVATION VIEW
Scale: Not To Scale

1 P1.0 FOUNDATION PLAN
Scale: 3/64" = 1'-0"

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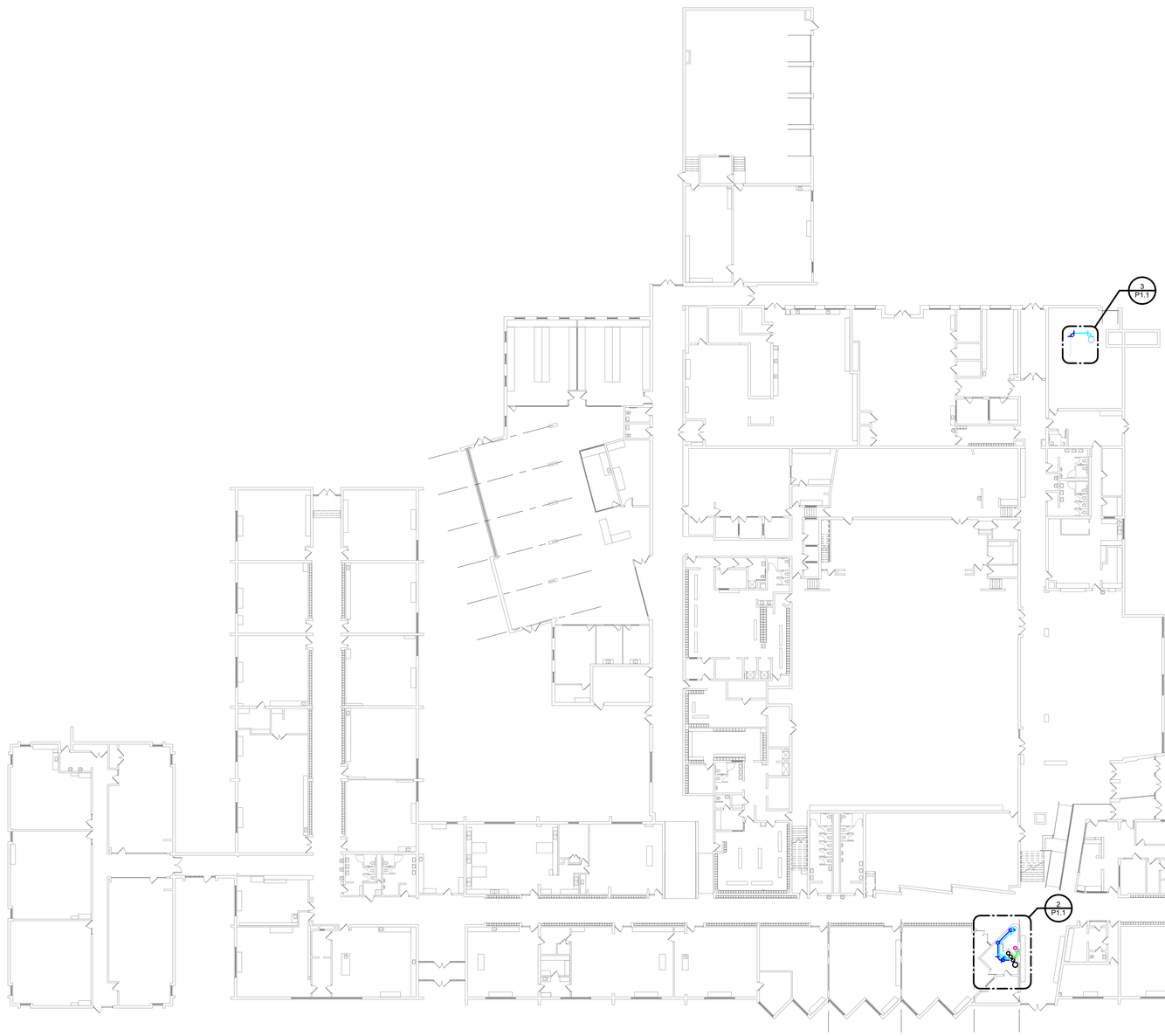
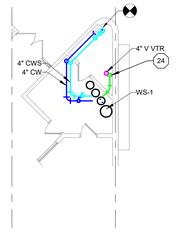
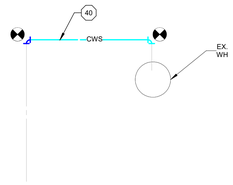
SHEET KEYNOTES	
24	ROUTE WATER SOFTENER DISCHARGE TO 2" PVC HUB. PROVIDE TRAP AND VENT AND CONNECT INTO EXISTING SANITARY PIPING IN TUNNEL.
40	FIELD VERIFY EXISTING PIPE SIZE AND MATCH FOR NEW INSTALLATION.



1 P1.1 FIRST FLOOR PLAN
Scale: 3/64" = 1'-0"



2 P1.1 WATER SERVICE ENLARGED VIEW
Scale: Not To Scale



3 P1.1 WATER HEATER PLANT ENLARGED VIEW
Scale: Not To Scale

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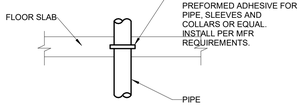
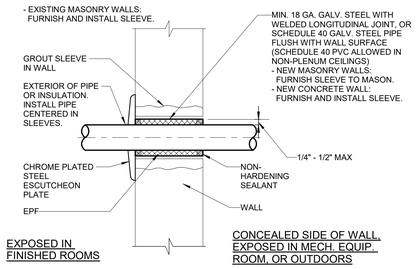


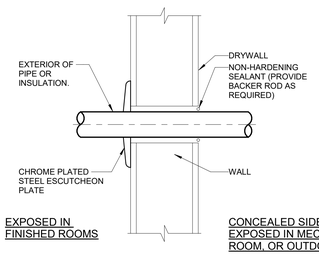
APPLICATIONS
- SLAB ON GRADE PIPE PENETRATION DETAIL



EXPOSED IN FINISHED ROOMS

CONCEALED SIDE OF WALL, EXPOSED IN MECH. EQUIP. ROOM, OR OUTDOORS

APPLICATIONS
- PIPE PENETRATION THRU MASONRY OR CONCRETE WALL

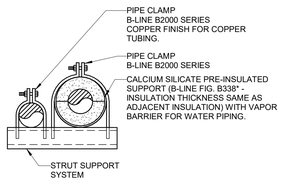


EXPOSED IN FINISHED ROOMS

CONCEALED SIDE OF WALL, EXPOSED IN MECH. EQUIP. ROOM, OR OUTDOORS

APPLICATIONS
- PIPE PENETRATION THRU STUD WALL

1 PIPE PENETRATION DETAILS
P2.0 Scale: Not To Scale

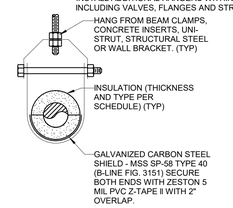


MAX. SPACING BETWEEN PIPE SUPPORTS AND MIN. HANGER ROD SIZES											
PIPE SIZE	STEEL			COPPER			PVC	CPVC	PEX	CAST IRON	MIN. ROD
	WATER	GAS	MIN. ROD	WATER	GAS	MIN. ROD					
1/4"-1/2"	7'	8'	3/8"	5'	6'	3/8"	4'	3'	32"	5'	3/8"
3/4"	7"	9'	3/8"	5'	7'	3/8"	4'	3'	32"	5'	3/8"
1"	7'	9'	3/8"	6'	8'	3/8"	4'	3'	32"	5'	3/8"
1 1/4"	7'	9'	3/8"	7"	9'	3/8"	4'	4'	32"	5'	3/8"
1 1/2"	9'	12'	3/8"	8'	10'	3/8"	4'	4'	32"	5'	3/8"
2"	10'	12'	3/8"	8'	11'	3/8"	4'	4'	-	5'	3/8"
2 1/2"	11'	12'	3/8"	9'	12'	3/8"	4'	4'	-	5'	3/8"
3"	12'	12'	3/8"	10'	12'	3/8"	4'	4'	-	5'	3/8"
4"	12'	12'	3/8"	12'	12'	3/8"	4'	4'	-	5'	3/8"
6"	12'	12'	3/8"	12'	12'	3/8"	4'	4'	-	5'	3/8"
8"	12'	12'	1/2"	-	-	-	4'	4'	-	5'	3/8"
10"	12'	12'	1/2"	-	-	-	4'	4'	-	-	3/8"
12"	12'	12'	5/8"	-	-	-	4'	4'	-	-	3/8"
14"	12'	12'	5/8"	-	-	-	4'	4'	-	-	3/8"
16"	12'	12'	3/4"	-	-	-	4'	4'	-	-	3/8"
MAX VERT. (1)	15'	15'	-	10'	10'	-	10'	10'	10'		-

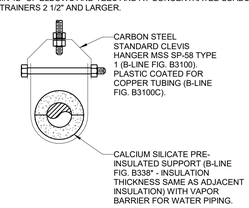
(1) SUPPORT AT MINIMUM EVERY FLOOR LEVEL OR SPACING LISTED.
(2) SPACING MAY BE INCREASED TO 10' FOR 10' PIPE LENGTHS.
MSS = MANUFACTURER'S STANDARDIZATION SOCIETY
- INSTALL ADDITIONAL HANGERS WITHIN 12" OF ELBOWS AND TEES AND AT CONCENTRATED LOADS, INCLUDING VALVES, FLANGES AND STRAINERS 2 1/2" AND LARGER.



APPLICATIONS
- UNINSULATED PIPING

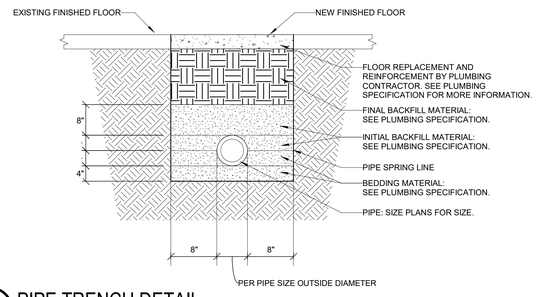


APPLICATIONS
- HOT AND COLD WATER PIPING



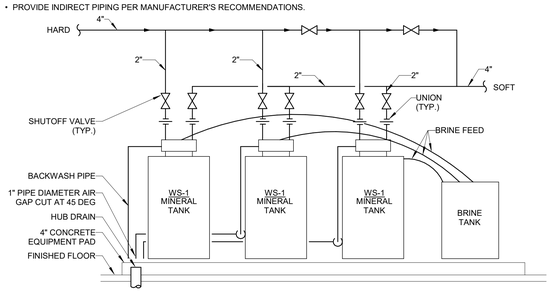
APPLICATIONS
- HOT AND COLD WATER PIPING

2 PIPE HANGER AND INSULATION DETAILS
P2.0 Scale: Not To Scale



3 PIPE TRENCH DETAIL
P2.0 Scale: Not To Scale

NOTE:
- INSTALL VALVES AND HEADERS MIN. 6" HIGHER THAN THE TOP OF THE WATER SOFTENERS.
- PROVIDE CLEAR ACCESS FOR FUTURE REMOVAL OF SOFTENERS.
- PROVIDE INDIRECT PIPING PER MANUFACTURER'S RECOMMENDATIONS.



4 WATER SOFTENER PIPING DETAIL
P2.0 Scale: Not To Scale

WATER SOFTENER SCHEDULE

TAG	MANUFACTURER	MODEL	RESIN TANK			BRINE TANK		NOTES
			TYPE	FLOW (GPM)	PSIG LOSS (PSIG)	SIZE (DIA" x H")	SIZE (DIA" x H")	
WS-1	CULLIGAN	CTM-150-2"	TRIPLEX	118	15	18" x 72"	24" x 50"	-

- ACCEPTABLE MANUFACTURERS: HELLENBRAND, CULLIGAN, WATER-RIGHT, WATER CONTROL CORPORATION.
- PROVIDE COMPLETE FILL OF BRINE TANK AT PROJECT COMPLETION.
- PROVIDE WATER QUALITY TEST TO ENGINEER FOR REVIEW PRIOR TO SHOP DRAWING SUBMITTAL.

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Whitewater Unified School District
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Milwaukee, WI 53204

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DETAILS & SCHEDULES

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ELECTRICAL SYMBOLS AND ABBREVIATIONS

THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST - NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS.

ELECTRICAL DISTRIBUTION EQUIPMENT

- UTILITY TRANSFORMER
- UTILITY TRANSFORMER
- CT CABINET AND METER SOCKET
- GSAP — GENERATOR ANNUNCIATOR PANEL FLUSH OR SURFACE
- PANEL - NEW SURFACE MOUNTED; TAG = "XX"
- PANEL - NEW FLUSH MOUNTED; TAG = "XX"
- PANEL - EXISTING SURFACE MOUNTED; TAG = "XX"
- PANEL - EXISTING FLUSH MOUNTED; TAG = "XX"
- TRANSFORMER - FLOOR MOUNT; TAG = "T-XX"
- TRANSFORMER - WALL MOUNT; TAG = "T-XX"
- TRANSFER SWITCH; TAGS = "ATS-XXX-Y", "MTS-XXX-Y"
  TAGS XXX, 700=EMERGENCY SYSTEM
  701=LEGALLY REQUIRED STANDBY SYSTEM
  702=OPTIONAL STANDBY SYSTEM
  TAG Y=SYSTEM NUMBER
- SURGE PROTECTION DEVICE; TAG = SPD
  CONTACTOR ENCLOSURE PANEL; TAG = CX
  X = CONTACTOR NUMBER

MOTOR CONTROL

- X — HEAVY DUTY DISCONNECT; TAG XX, WP=WEATHERPROOF, F=FUSIBLE
- NON-COMBINATION STARTER
- COMBINATION STARTER
- MS — MANUAL STARTER
- (X) — MOTOR OUTLET TERMINAL, ON ROOF MOUNTED UNITS PROVIDE WEATHER PROOF DISCONNECTS. X = HORSE POWER OR MOTOR NUMBER IF SCHEDULE IS PROVIDED

WIRING DEVICES

SWITCHES

- SX — SINGLE POLE SWITCH; TAG X, 3=3 WAY, 4=4 WAY, D=DIMMER, I=ILLUMINATED, K=KEYED, M=MOTION SENSOR SWITCH, P=PILOT, R=RELAY, WP=WEATHERPROOF, LVX=LOW VOLTAGE, TAG X = INDICATES NUMBER OF BUTTONS AT EACH SWITCH LOCATION
- $X — SWITCH TO BE DEMOLISHED, X = ABBREVIATIONS ABOVE
- SINGLE PUSH BUTTON - ADA DOOR BUTTON
  ADDITIONAL FUNCTIONALITY DEFINED ON PLANS
- UP/DN PUSH BUTTON
- MULTI PUSH BUTTON

RECEPTACLES

NO TAG=STANDARD RECEPTACLE, TAGS X, ARC=ARC FAULT RATED, CM=CEILING MOUNTED, CW=CLOTHES WASHER, D=EXTRA DEEP, DW=DISH WASHER, EWC=ELECTRIC WATER COOLER, FM=FLOOR MOUNTED, FR=FREEZER, HG=HOSPITAL GRADE, GD=GARBAGE DISPOSER, GFI=GROUND FAULT INTERRUPTER, GR=GAS RANGE, ICE=ICE MACHINE, IG=ISOLATED GROUND, MIC=MICROWAVE, REF=REFRIGERATOR, SP=SURGE PROTECTED, UCREF=UNDER COUNTER REFRIGERATOR, DEVICE, UPS=UNINTERRUPTED POWER SUPPLY, USB=UNIVERSAL SERIAL BUS, VM=VENDING MACHINE, WP/GFI=WEATHER PROOF/GROUND FAULT INTERRUPTER

- X — RECEPTACLE - SINGLE OR SIMPLEX
- X — RECEPTACLE - DUPLEX
  LINE INDICATES DEVICE MOUNTED AT 42" TO CENTER. NO LINE INDICATES DEVICE MOUNTED AT STANDARD HEIGHT UNLESS TAGGED OTHERWISE, TYPICAL ALL RECEPTACLE TYPES AND BLANK BOXES
- XX — RECEPTACLE - TAG XX, CD=CLOTHES DRYER (NEMA14-30R) ER=ELECTRIC RANGE (NEMA14-50R), K=KILN W=WELDER (NEMA 6-50R)
- X — RECEPTACLE - DUPLEX MOUNTED ABOVE COUNTER
- X — RECEPTACLE - DUPLEX WITH TOP HALF SWITCHED
- X — RECEPTACLE - DOUBLE DUPLEX
- X — RECEPTACLE - DUPLEX TRIPLE
- X — RECEPTACLE - DUPLEX QUAD
- X — BLANK OUTLET FOR FUTURE DEVICES 4" BOX, SINGLE GANG RING, BLANKPLATE, 1"C. STUBBED INTO ACCESSIBLE CEILING

WIRING DEVICES

MISCELLANEOUS

- SURFACE RACEWAY
  EQUIPMENT CONNECTION
- X — SPECIAL OUTLET, TAG = NUMBER ON SCHEDULE
- H — ELECTRIC HAND/HAIR DRYER
- X — DUAL SERVICE FLOOR BOX, TAG = TYPE IN SPECS
- X — SINGLE SERVICE FLOOR BOX, TAG = TYPE IN SPECS
- X — POKE THROUGH FLOOR BOX, TAG = TYPE IN SPECS
- CD — CORD DROP
- CR — CORD REEL
- LB — 90° CONDUIT BODY - THROUGH WALL
- LR — 90° CONDUIT BODY - TURN RIGHT
- LL — 90° CONDUIT BODY - TURN LEFT
- X EV — ELECTRIC VEHICLE CHARGING STATION, SEE PLANS FOR TYPES
- X RV — RECREATIONAL VEHICLE CHARGING STATION, SEE PLANS FOR TYPES
- X SP — MARINA SHORE POWER STATION, SEE PLANS FOR TYPES
- PP — POWER POLE - CEILING DOWN TO FLOOR
- J — J-BOX
- CONDUIT STUB THROUGH WALL BUSHED EACH END
- CABLE TRAY

LIGHTING

FIXTURES

- X — LIGHT FIXTURE - POLE MOUNTED; TAG = TYPE IN FIXTURE SCHEDULE
- X — LIGHT FIXTURE - CEILING MOUNTED FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
- X — WALL MOUNTED - FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
- X — LIGHT FIXTURE - FLUSH OR SURFACE; TAG = TYPE IN FIXTURE SCHEDULE
- EMERGENCY BATTERY UNIT LIGHT - WALL MOUNTED
- EMERGENCY BATTERY UNIT LIGHT - CEILING MOUNTED
- REMOTE EMERGENCY LIGHT

EXITS

- EXIT LIGHT - ONE FACE
  LINES REPRESENT WALL MOUNTED. NO LINES REPRESENT CEILING MOUNTED, TYPICAL ALL EXITS
- EXIT LIGHT - ONE FACE WITH EMERGENCY HEADS
  ARROWS INDICATE DIRECTION TO EXIT
- EXIT LIGHT - TWO FACE

SENSORS

- DUAL TECHNOLOGY OCCUPANCY SENSOR
  LINES REPRESENT WALL MOUNTED. NO LINES REPRESENT CEILING MOUNTED, TYPICAL ALL SENSORS
- MULTI DIRECTION DUAL TECHNOLOGY OCCUPANCY SENSOR
- U — ULTRASONIC OCCUPANCY SENSOR
- L — LONG THROW OCCUPANCY SENSOR
- HB — HIGH BAY OCCUPANCY SENSOR
- PC — PHOTOCELL
- DA — DAYLIGHT SENSOR

FIRE ALARM PANELS & FIRE ALARM SUPPORT ITEMS

- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL, FLUSH OR SURFACE
- FAPS — FIRE ALARM POWER SUPPLY
- FACC — FIRE ALARM COMMAND CENTER WITH MICROPHONE
- FM — FIRE ALARM MICROPHONE ENCLOSURE, FLUSH OR SURFACE
- RTS — REMOTE TEST SWITCH

NOTIFICATION APPLIANCE

TAGS X=CANDELA LEVEL, EX=EXPLOSION PROOF, WP=WATERPROOF

- X — WALL MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
- X — WALL MOUNTED AUDIO (VOICE) / VISUAL NOTIFICATION APPLIANCE
- WALL MOUNTED FIRE ALARM SPEAKER
- S X — WALL MOUNTED VISUAL NOTIFICATION APPLIANCE
- X — CEILING MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
- X — CEILING MOUNTED AUDIO (VOICE) /VISUAL NOTIFICATION APPLIANCE
- CEILING MOUNTED FIRE ALARM SPEAKER
- S X — CEILING MOUNTED VISUAL NOTIFICATION APPLIANCE
- F — WALL MOUNTED AUDIO (HORN) NOTIFICATION APPLIANCE
- B — WALL MOUNTED BELL
- MH — MAGNETIC DOOR HOLDER
- EH — ELECTRIC DOOR HOLDER
- CM — ADDRESSABLE CONTROL MODULE

FIRE ALARM

INITIATION DEVICE

- XX F — MANUAL PULL STATION; TAG XX, LC=LEXAN COVER, EX=EXPLOSION PROOF, WP=WEATHERPROOF
- G — GAS DETECTOR
- H — HEAT DETECTOR
- S — SMOKE DETECTOR
- S — SMOKE DETECTOR WITH SOUNDER BASE
- DS — DUCT SMOKE DETECTOR
- ES — ELEVATOR SMOKE DETECTOR
- CM — CARBON MONOXIDE DETECTOR
- FS — SPRINKLER FLOW SWITCH
- PS — SPRINKLER PRESSURE SWITCH
- TS — SPRINKLER TAMPER SWITCH
- ADDRESSABLE MONITOR MODULE

COMMUNICATION

DATA RACKS

TAGS, TC#X = TELECOMMUNICATION CLOSET NUMBER

- DATA RACK - OPEN FRAME 2 POST FLOOR MOUNTED
- DATA RACK - OPEN FRAME 4 POST FLOOR MOUNTED
- DATA RACK - OPEN FRAME WALL MOUNTED
- DATA RACK - ENCLOSED WALL MOUNTED
- GROUND BAR

DATA / IP PHONE, WAP & TELEPHONE DEVICES

TAGS X, NO TAG=SINGLE DROP, NUMBER INDICATES NUMBER OF DROPS IN EACH LOCATION, A=ATTENDANCE SCANNER, C=IP SECURITY CAMERA, K=KEYLESS ENTRY, USB=UNIVERSAL SERIAL BUS, V=VAPE SENSOR, W=WALL PHONE, PROVIDE 4" SQUARE DEEP BOX, 1-GANG RING, 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING.

- X — DATA / IP PHONE OUTLET (STANDARD HEIGHT)
- X — DATA / IP PHONE OUTLET (MOUNTED AT 42" TO CENTER)
- WAP X — WIRELESS ACCESS POINT DATA OUTLET
- CDF X — COILED DATA FOR FUTURE USE
- X X — DATA / TELEPHONE OUTLET (STANDARD HEIGHT)
- X X — DATA / TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)
- X — TELEPHONE OUTLET (STANDARD HEIGHT)
- X — TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)

SOUND SYSTEM INPUTS PAGING/INTERCOM SYSTEM

TAGS XX, NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM

- XX A — AUXILIARY/INPUT SOUND JACK
- XX M — MICROPHONE OUTLET
- XX MC — ADMINISTRATION STATION SEE SOUND SYSTEM RISER
- XX V — VOLUME CONTROL
- C — WALL MOUNTED CALL-IN SWITCH BOX OR HANDSET

SPEAKERS

TAGS XX, NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM, WP=WEATHER PROOF

- XX W — SPEAKER - WALL RECESSED MOUNTED
- XX W — SPEAKER - WALL SURFACE MOUNTED WITH METAL ENCLOSURE
- XX W — SPEAKER - WALL SURFACE MOUNTED - TWO SIDED
- XX W — SPEAKER - WALL BRACKET MOUNTED
- XX H — SPEAKER HORN - WALL SURFACE MOUNTED
- XX C — SPEAKER - CEILING RECESSED MOUNTED
- XX C — SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE
- XX C — SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE - TWO SIDED
- XX P — SPEAKER - PENDANT MOUNTED
- XX P — SPEAKER - PENDANT MOUNTED - TWO SIDED
- XX — SPEAKER LOUD - SUSPENDED

PUBLIC ANNOUNCEMENT INDICATION DEVICE

- S — PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - WALL MOUNTED
- S — PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - CEILING MOUNTED

COMMUNICATION

CLOCKS

TAGS XX, NO TAG=ANALOG, DI=DIGITAL, DS=DIGITAL W/ DATA & W/SPEAKER, DSF=DIGITAL W/SPEAKER & FLASHER, DV=DIGITAL VIDEO DISPLAY WITH DATA, IP=INFRASTRUCTURE SYNCHRONIZED TIMEKEEPING SYSTEM VIA NETWORK TIME PROTOCOL WG=WIRE GUARD

- XX — CLOCK - WALL MOUNTED - SINGLE FACE
- XX — CLOCK - WALL MOUNTED - TWO FACE
- XX — CLOCK - CEILING SURFACE MOUNTED - TWO FACE
- WG — CLOCK / SPEAKER BAFFLE - COMBINATION

TECHNOLOGY

- D — HDMI OUTLET
- TV — COAX OUTLET
- CEILING MOUNTED PROJECTOR PLATE
- P — MEDIA DELIVERY INPUT
- PP — MEDIA DELIVERY LOCATION

MISCELLANEOUS

- ARS — AREA OF REFUGE (CALL BOX) / TWO-WAY COMMUNICATION SYSTEM
- ARM — AREA OF REFUGE MASTER (BASE STATION) / TWO-WAY COMMUNICATION SYSTEM
- TWC — TWO-WAY COMMUNICATION (CALL BOX)
- TWCM — TWO-WAY COMMUNICATION MASTER (BASE STATION)

SECURITY

DOOR CONTROL

- AI — 2 WAY INTERCOM SYSTEM DOOR STATION
- AM — 2 WAY INTERCOM SYSTEM MASTER STATION
- AO — AUTOMATIC DOOR OPENER
- CA — COMBINATION CARD READER AND KEY PAD
- CR — CARD READER
- DB — DURESS BUTTON
- DC — DOOR POSITION SWITCH CONTACT
- DP — DOOR POSITION SWITCH
- EL — ELECTRIC TRIM LATCH
- ES — ELECTRIC DOOR STRIKE
- GB — GLASS BREAK SENSOR
- KP — KEY PAD
- LS — LIMIT SWITCH
- M — SECURITY SYSTEM MOTION DETECTOR CEILING MOUNTED 360°
- M — SECURITY SYSTEM MOTION DETECTOR - WALL MOUNTED
- ML — MAGNETIC LOCK
- P — PANIC PULL STATION
- RX — REQUEST TO EXIT
- SS — SECURITY STROBE
- SINGLE PUSH BUTTON - FUNCTIONALITY DEFINED ON PLANS

CAMERAS

- SECURITY CAMERA - DIRECTIONAL
  LINES REPRESENT WALL OR POLE MOUNTED
  NO LINES REPRESENT CEILING MOUNTED (TYPICAL)
- SECURITY CAMERA - 90°
- SECURITY CAMERA - 180°
- SECURITY CAMERA - 270°
- SECURITY CAMERA - 360°

HEALTHCARE

- NH — NURSE CALL LIGHT
- N — NURSE CALL BEDSIDE STATION
- NS — NURSE CALL STAFF ACKNOWLEDGE
- NS — NURSE CALL CONTROL ROOM STATION
- NCPS — NURSE CALL POWER SUPPLY

GENERAL

ANNOTATION SYMBOLS

- (X) — REFERS TO PLAN NOTE NUMBER
- XXX — SPECIALTY EQUIPMENT REFERENCE TAG
- XX / XXX — DETAIL NUMBER / SHEET NO. WHERE DETAIL IS LOCATED

LINE LEGEND

- CIRCUIT HOMERUN TO 20A/1P BREAKER UNLESS SHOWN OTHERWISE ON DRAWINGS.
- INDICATES ITEMS CONNECTED TO SAME CIRCUIT BUT CONTROLLED SEPARATELY
- INDICATES ITEMS CONNECTED TO SAME CIRCUIT AND CONTROLLED TOGETHER

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CCU	COOLING CONDENSER UNIT
CKT	CIRCUIT
CM	CEILING MOUNTED
CT	CURRENT TRANSFORMER
CON	CONTACTOR
CP	CONTROL PANEL
CUH	CABINET UNIT HEATER
DIS	DISCONNECT
DM	DEMARC
EB	EXISTNG BREAKER TO REMAIN UNLESS NOTED OTHERWISE
EBB	ELECTRICAL BASE BOARD
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EL	ELEVATION
EM	EMERGENCY
EQ	EQUIPMENT
EOL	END OF LINE RESISTOR
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
EX	EXPLOSION PROOF
F	FUSIBLE PROOF
FBO	FURNISHED BY OTHERS
FC	VARIABLE SPEED FAN CONTROL SWITCH
FR	FREEZER
FSD	FIRE SMOKE DAMPER
GC	GENERAL CONTRACTOR
(GFI)	GROUND FAULT INTERRUPTER BREAKER LOCATED IN ELECTRICAL PANEL
GND	GROUND
GSP	GYM SWITCH PANEL
GUH	GAS UNIT HEATER
HF	HEAT FAN
HP	HORSE POWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IDF	INTERMEDIATE DISTRIBUTION FRAME
JB	JUNCTION BOX
MAU	MAKEUP AIR UNIT
MB	MOTORIZED BACKBOARD
MC	MECHANICAL CONTRACTOR
MDF	MAIN DISTRIBUTION FRAME
MOD	MOTOR OPERATED DAMPER
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OHD	OVERHEAD DOOR
OC	ON CENTER
PDB	PUNCH DOWN BLOCK
PNL	PANELBOARD
PS	POWER SUPPLY
RCP	RELAY CONTROL PANEL
RTU	ROOF TOP UNIT
SAP	SECURITY ANNUNCIATOR PANEL
SCP	SECURITY CONTROL PANEL
SD	SMOKE DAMPER
SJB	SOUND SYSTEM JUNCTION BOX
SPD	SURGE PROTECTION DEVICE
SS	STAINLESS STEEL
SV	SOLENOID VALVE
TC	TELECOMMUNICATION CLOSET
TCP	TEMPERATURE CONTROL PANEL
TGB	TELECOMMUNICATION GROUND BAR MASTER
TJB	TERMINAL JUNCTION BOX
TRN	TRANSFORMER
TRS	TRANSFER SWITCH
TTB	TELEPHONE TERMINAL BOARD
UC	UNDERCOUNTER
UPS	UNINTERRUPTED POWER SUPPLY
UH	UNIT HEATER
VFD	VARIABLE FREQUENCY DRIVE
W	WELDER
WE	WALL EXHAUST
WG	WIRE GUARD
WH	WATER HEATER
WP	WEATHER PROOF
WP/GFI	WEATHER PROOF / GROUND FAULT INTERRUPTER
XP	CLASS 1, DIV. 1 EQUIPMENT

ELECTRICAL SHEET LIST

Sheet Number	Sheet Name
E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E001	SITE PLAN - ELECTRICAL
E002	OVERALL PLANS - ELECTRICAL
E003	ONE LINE DIAGRAM
E004	PANEL SCHEDULES

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Milwaukee, WI 53204

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
ELECTRICAL SYMBOLS AND ABBREVIATIONS

Sheet Number:
E000

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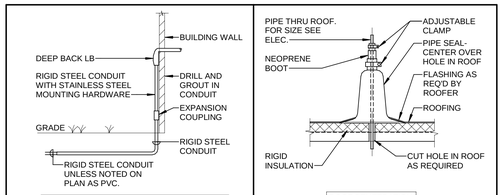
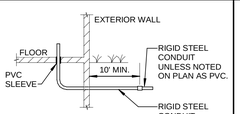
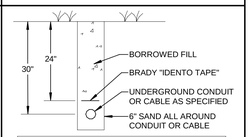


EXTERIOR CONDUIT INTO EXISTING SPACE

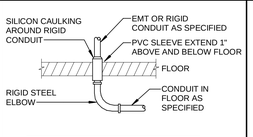
ROOF PENETRATION



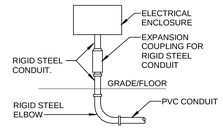
EXTERIOR CONDUIT INTO NEW SPACE



UNDERGROUND CONDUIT/CABLE INSTALLATION



CONDUIT UNDER FLOOR PENETRATION



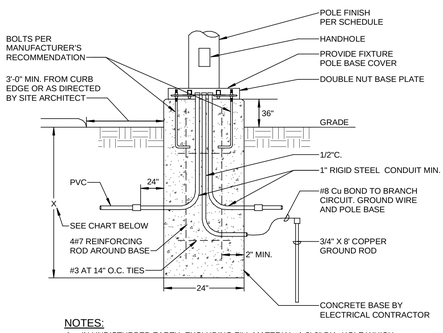
EXTERIOR CONDUIT INTO EXTERIOR ENCLOSURE

NOTES:

1. E.C. MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE.
2. PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT.

2 / E001 CONDUIT DETAILS

SCALE: NTS



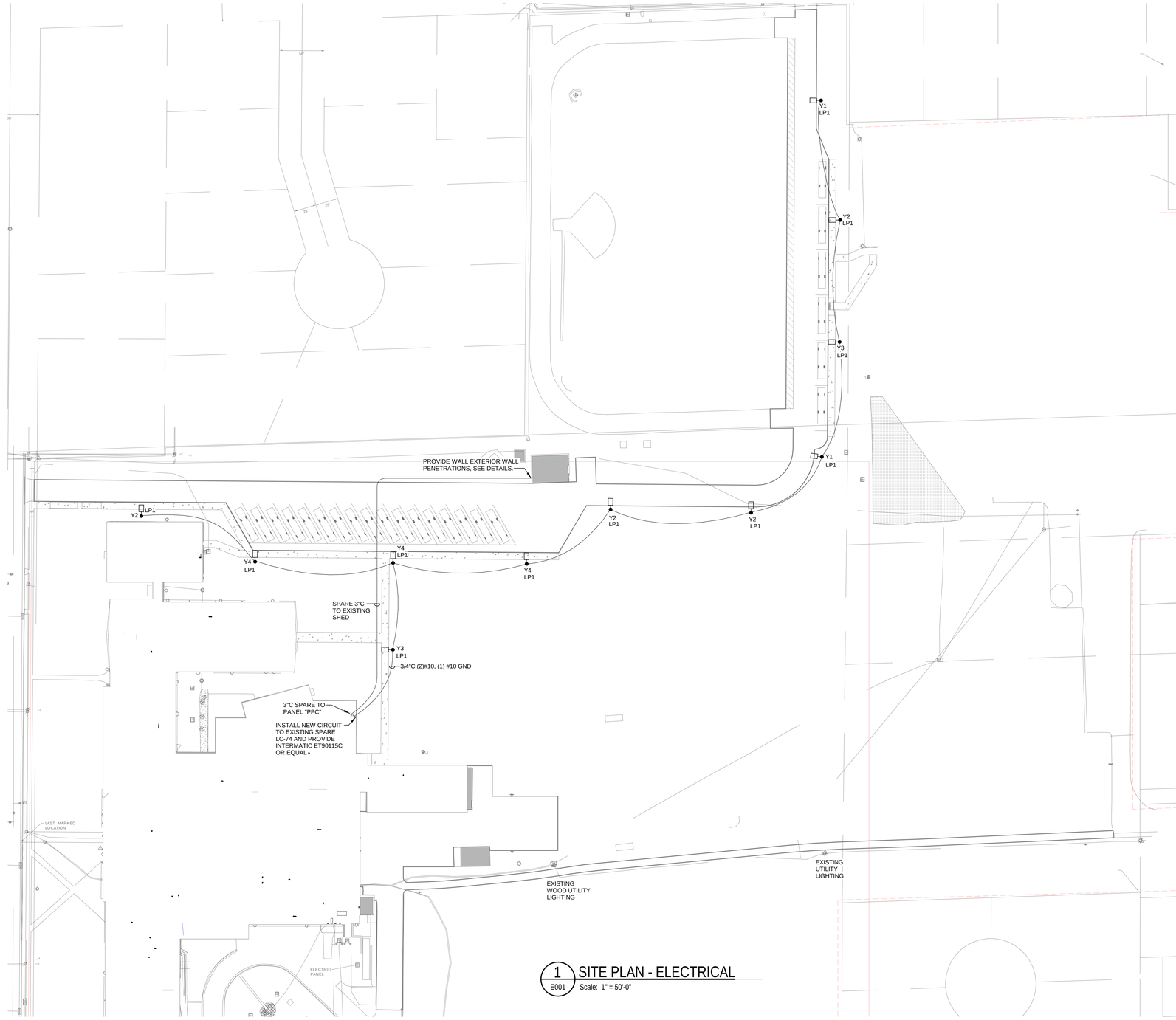
NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

3 / E001 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL

SCALE: NTS



1 / E001 SITE PLAN - ELECTRICAL

Scale: 1" = 50'-0"

WHITEWATER MIDDLE SCHOOL - FIXTURE SCHEDULE

TYPE	DESCRIPTION	LUMENS DEL.	LAMP TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	NOTE
Y1	POLE MOUNTED AREA LIGHT W/BACK LIGHT CONTROL	10,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI BLC2	
					MCGRAW-EDISON	GALN-SA2A-740-U-SL4-BZ	
Y2	POLE MOUNTED AREA LIGHT	14,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T2W	
					MCGRAW-EDISON	GALN-SA3A-740-U-T2-BZ	
Y3	POLE MOUNTED AREA LIGHT	13,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T3M	
					MCGRAW-EDISON	GALN-SA3A-740-U-T3-BZ	
Y4	POLE MOUNTED AREA LIGHT W/HOUSE SIDE SHEILD	13,500	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI TFTM HSS	
					MCGRAW-EDISON	GALN-SA3A-740-U-T4FT-BZ	
LP1	22' SQUARE STRAIGHT POLE W/BASE	-	-	-	UTILITY METALS	SSS4-11-22-5G-DM19AS-VD-DBLXD	2
					ULSI	RPSQ-22-4-11-AB-D1-NB	
	UNIVERSAL SINGLE/DOUBLE FACE EXIT RED LETTERS	-	LED	2	LITHONIA	LQM-S-W-3-R-120/277	1
					SURELITES	LPX6	

GENERAL NOTES:

1. SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS.
2. ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 80+. ALL EXTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 70+.
3. MOUNT FIXTURES AT HEIGHT INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
4. ARCHITECT TO SELECT AND APPROVE ALL FINISHES FOR LIGHT FIXTURES, AND FIXTURE ACCESSORIES.
5. PROVIDE GYP. FLANGE WHERE FIXTURES ARE NOT LOCATED IN ACT TILE CEILINGS.

PLAN NOTES:

1. PROVIDE DIRECTION ARROWS AND MOUNTING METHODS AS INDICATED ON PLANS. PROVIDE WIREGUARD IN GYMS OR WHERE NOTED ON PLANS.
2. PROVIDE VIBRATION DAMPENER. PROVIDE CONCRETE POLE BASE PER DETAIL 1/E302.

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SITE PLAN - ELECTRICAL

Sheet Number:
E001

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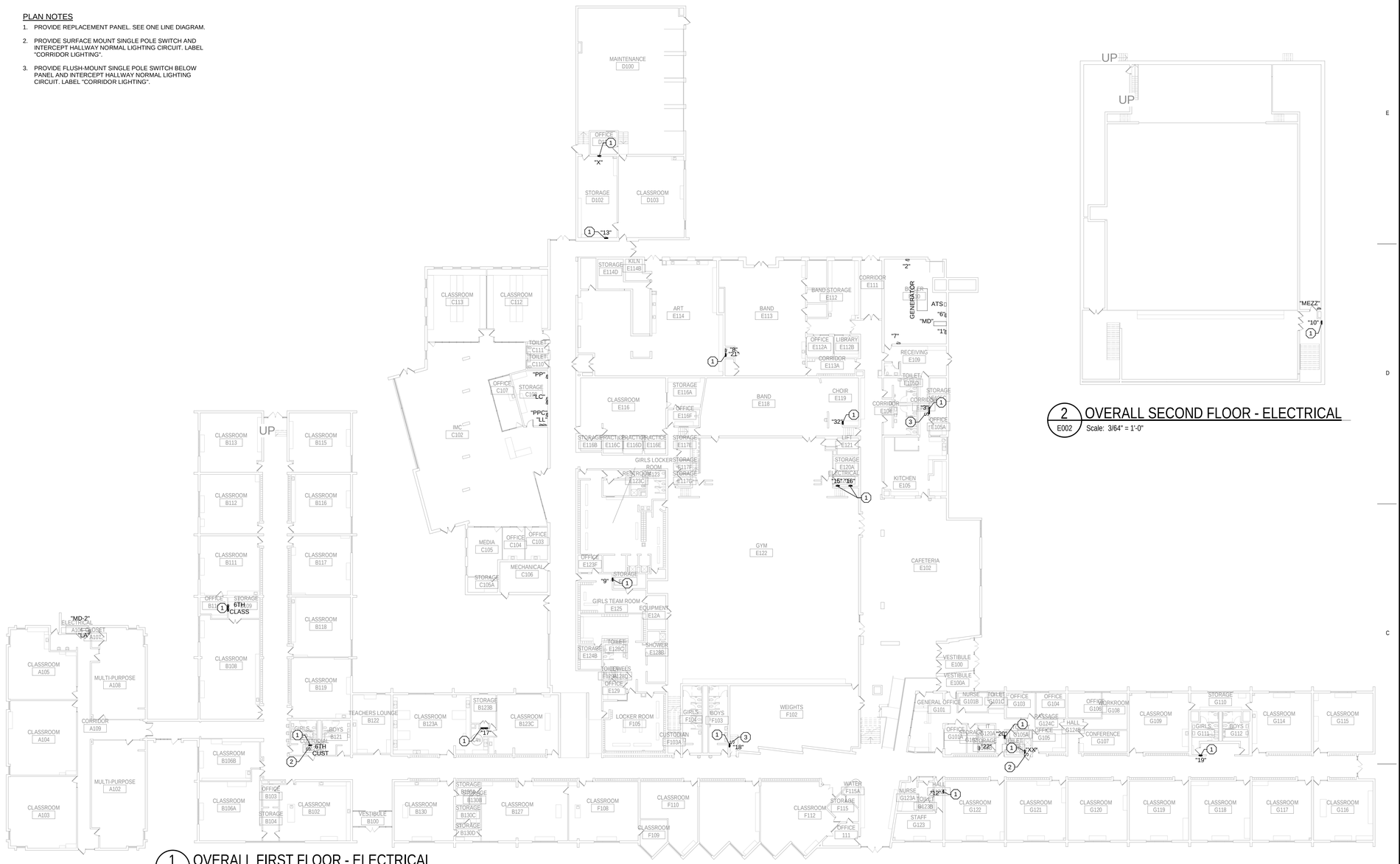
PLAN NOTES

1. PROVIDE REPLACEMENT PANEL. SEE ONE LINE DIAGRAM.
2. PROVIDE SURFACE MOUNT SINGLE POLE SWITCH AND INTERCEPT HALLWAY NORMAL LIGHTING CIRCUIT. LABEL "CORRIDOR LIGHTING".
3. PROVIDE FLUSH-MOUNT SINGLE POLE SWITCH BELOW PANEL AND INTERCEPT HALLWAY NORMAL LIGHTING CIRCUIT. LABEL "CORRIDOR LIGHTING".



1 E002 OVERALL FIRST FLOOR - ELECTRICAL
Scale: 3/64" = 1'-0"

2 E002 OVERALL SECOND FLOOR - ELECTRICAL
Scale: 3/64" = 1'-0"

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL PLANS - ELECTRICAL

Sheet Number:
E002

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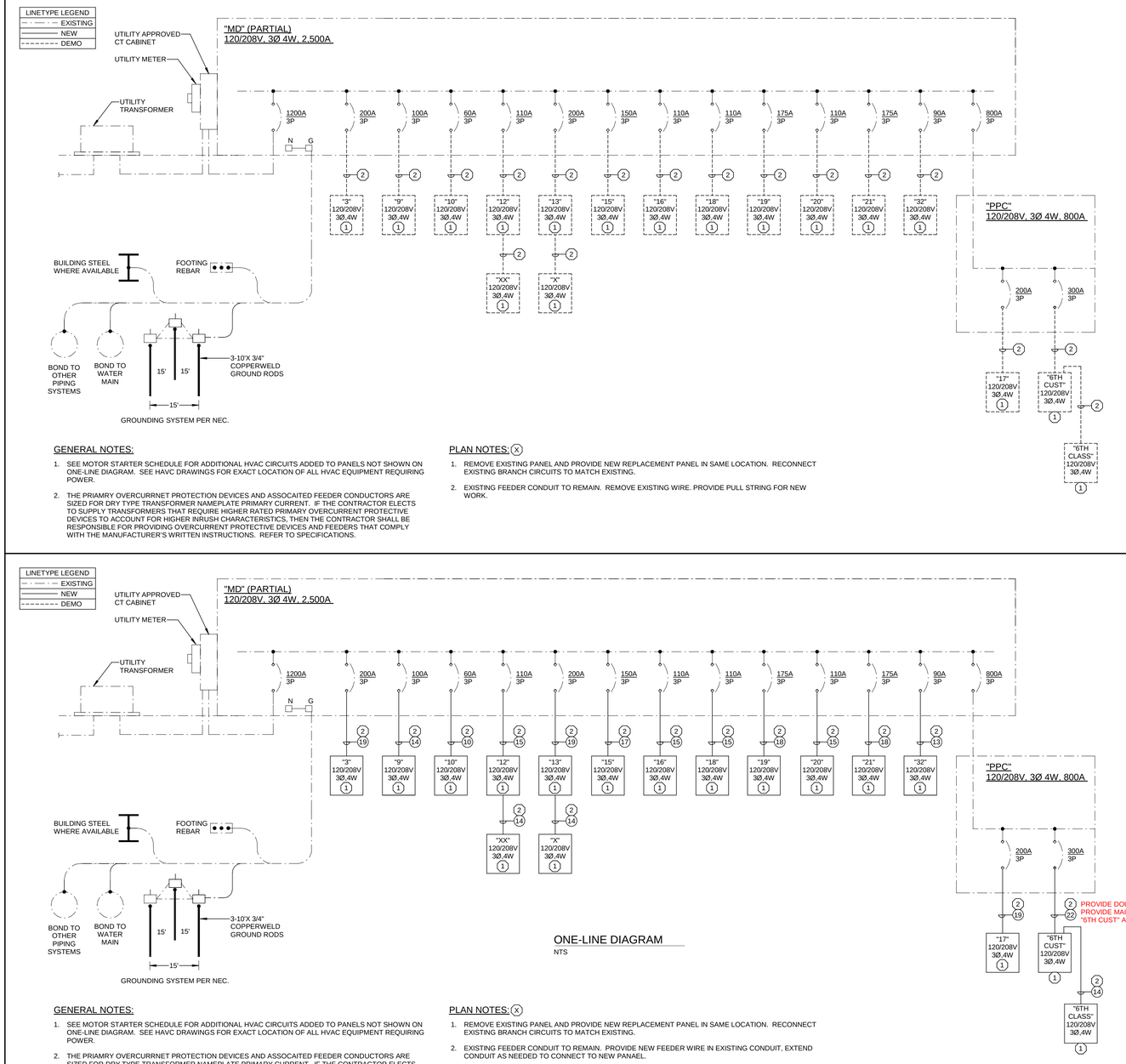
FEEDER SCHEDULE

IDENTIFIER	AMPACITY	1Ø TWO-WIRE CIRCUIT		1Ø OR 3Ø THREE-WIRE CIRCUIT		3Ø FOUR-WIRE CIRCUIT		EQUIPMENT GROUNDING CONDUCTOR
		CONDUIT	CIRCUIT CONDUCTORS	CONDUIT	CIRCUIT CONDUCTORS	CONDUIT	CIRCUIT CONDUCTORS	
COPPER CONDUCTORS								
1	10	3/4"	(2) #12	3/4"	(3) #12	3/4"	(4) #12	#12
2	15	3/4"	(2) #12	3/4"	(3) #12	3/4"	(4) #12	#12
3	20	3/4"	(2) #12	3/4"	(3) #12	3/4"	(4) #12	#12
4	25	3/4"	(2) #10	3/4"	(3) #10	3/4"	(4) #10	#10
5	30	3/4"	(2) #10	3/4"	(3) #10	3/4"	(4) #10	#10
6	35	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
7	40	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
8	45	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
9	50	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
10	60	3/4"	(2) #6	3/4"	(3) #6	1"	(4) #6	#10
11	70	1"	(2) #4	1"	(3) #4	1-1/4"	(4) #4	#8
12	80	1"	(2) #4	1"	(3) #4	1-1/4"	(4) #4	#8
13	90	1"	(2) #3	1"	(3) #3	1-1/4"	(4) #3	#8
14	100	1-1/4"	(2) #3	1-1/4"	(3) #3	1-1/4"	(4) #3	#8
ALUMINUM CONDUCTORS								
15	110	1-1/4"	(2) #1/0	1"	(3) #1/0	2"	(4) #1/0	#4
16	125	1-1/2"	(2) #2/0	2"	(3) #2/0	2"	(4) #2/0	#4
17	150	1-1/2"	(2) #3/0	2"	(3) #3/0	2"	(4) #3/0	#4
18	175	N/A	N/A	2"	(3) #4/0	2-1/2"	(4) #4/0	#4
19	200	N/A	N/A	2-1/2"	(3) 250KCMIL	2-1/2"	(4) 250KCMIL	#4
20	225	N/A	N/A	2-1/2"	(3) 300KCMIL	2-1/2"	(4) 300KCMIL	#2
21	250	N/A	N/A	2-1/2"	(3) 350KCMIL	3"	(4) 350KCMIL	#2
22	300	N/A	N/A	3"	(3) 500 KCMIL	3"	(4) 500KCMIL	#2
23	350	N/A	N/A	(2) 2"	2 SETS OF (3) #4/0	(2) 2-1/2"	2 SETS OF (4) #4/0	#1
24	400	N/A	N/A	(2) 2-1/2"	2 SETS OF (3) 250KCMIL	(2) 2-1/2"	2 SETS OF (4) 250KCMIL	#1
25	450	N/A	N/A	(2) 2-1/2"	2 SETS OF (3) 300KCMIL	(2) 2-1/2"	2 SETS OF (4) 300KCMIL	#1/0
26	500	N/A	N/A	(2) 2-1/2"	2 SETS OF (3) 350KCMIL	(2) 3"	2 SETS OF (4) 350KCMIL	#1/0
27	600	N/A	N/A	(2) 3"	2 SETS OF (3) 500KCMIL	(2) 3 1/2"	2 SETS OF (4) 500KCMIL	#2/0
28	700	N/A	N/A	(3) 2-1/2"	3 SETS OF (3) 350KCMIL	(3) 3"	3 SETS OF (4) 350KCMIL	#3/0
29	800	N/A	N/A	(4) 2-1/2"	4 SETS OF (3) 250KCMIL	(4) 2-1/2"	4 SETS OF (4) 250KCMIL	#3/0
30	900	N/A	N/A	(4) 2-1/2"	4 SETS OF (3) 300KCMIL	(4) 2-1/2"	4 SETS OF (4) 300KCMIL	#4/0
31	1000	N/A	N/A	(4) 2-1/2"	4 SETS OF (3) 350KCMIL	(4) 3"	4 SETS OF (4) 350KCMIL	#4/0
32	1200	N/A	N/A	(4) 3"	4 SETS OF (3) 500KCMIL	(4) 3-1/2"	4 SETS OF (4) 500KCMIL	250KCMIL
33	1600	N/A	N/A	(6) 2-1/2"	6 SETS OF (3) 400KCMIL	(6) 3"	6 SETS OF (4) 400KCMIL	350KCMIL
34	1800	N/A	N/A	(6) 3"	6 SETS OF (3) 500KCMIL	(6) 3-1/2"	6 SETS OF (4) 500KCMIL	400KCMIL
35	2000	N/A	N/A	(6) 3"	6 SETS OF (3) 600KCMIL	(6) 3-1/2"	6 SETS OF (4) 600KCMIL	400KCMIL
36	2500	N/A	N/A	(8) 3"	8 SETS OF (3) 600KCMIL	(8) 3-1/2"	8 SETS OF (4) 600KCMIL	600KCMIL
37	3000	N/A	N/A	(10) 3-1/2"	10 SETS OF (3) 500KCMIL	(10) 3-1/2"	10 SETS OF (4) 500KCMIL	600KCMIL
38	4000	N/A	N/A	(12) 3-1/2"	12 SETS OF (3) 600KCMIL	(12) 4"	12 SETS OF (4) 600KCMIL	800KCMIL

PLAN NOTATION:

- ◇ SINGLE-PHASE, TWO-WIRE FEEDER, NUMBER IS THE FEEDER IDENTIFIER
- □ SINGLE OR THREE-PHASE, THREE-WIRE FEEDER, NUMBER IS THE FEEDER IDENTIFIER
- ○ THREE-PHASE, FOUR-WIRE FEEDER, NUMBER IS THE FEEDER IDENTIFIER



GENERAL NOTES:

1. SEE MOTOR STARTER SCHEDULE FOR ADDITIONAL HVAC CIRCUITS ADDED TO PANELS NOT SHOWN ON ONE-LINE DIAGRAM. SEE HAVC DRAWINGS FOR EXACT LOCATION OF ALL HVAC EQUIPMENT REQUIRING POWER.
2. THE PRIAMRY OVERCURRNET PROTECTION DEVICES AND ASSOCAITED FEEDER CONDUCTORS ARE SIZED FOR DRY TYPE TRANSFORMER NAMEPLATE PRIMARY CURRENT. IF THE CONTRACTOR ELECTS TO SUPPLY TRANSFORMERS THAT REQUIRE HIGHER RATED PRIMARY OVERCURRENT PROTECTIVE DEVICES TO ACCOUNT FOR HIGHER INRUSH CHARACTERISTICS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING OVERCURRENT PROTECTVE DEVICES AND FEEDERS THAT COMPLY WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATIONS.

PLAN NOTES: (X)

1. REMOVE EXISTING PANEL AND PROVIDE NEW REPLACEMENT PANEL IN SAME LOCATION. RECONNECT EXISTING BRANCH CIRCUITS TO MATCH EXISTING.
2. EXISTING FEEDER CONDUIT TO REMAIN. REMOVE EXISTING WIRE. PROVIDE PULL STRING FOR NEW WORK.

ONE-LINE DIAGRAM
NTS

GENERAL NOTES:

1. SEE MOTOR STARTER SCHEDULE FOR ADDITIONAL HVAC CIRCUITS ADDED TO PANELS NOT SHOWN ON ONE-LINE DIAGRAM. SEE HAVC DRAWINGS FOR EXACT LOCATION OF ALL HVAC EQUIPMENT REQUIRING POWER.
2. THE PRIAMRY OVERCURRNET PROTECTION DEVICES AND ASSOCAITED FEEDER CONDUCTORS ARE SIZED FOR DRY TYPE TRANSFORMER NAMEPLATE PRIMARY CURRENT. IF THE CONTRACTOR ELECTS TO SUPPLY TRANSFORMERS THAT REQUIRE HIGHER RATED PRIMARY OVERCURRENT PROTECTIVE DEVICES TO ACCOUNT FOR HIGHER INRUSH CHARACTERISTICS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING OVERCURRENT PROTECTVE DEVICES AND FEEDERS THAT COMPLY WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATIONS.

PLAN NOTES: (X)

1. REMOVE EXISTING PANEL AND PROVIDE NEW REPLACEMENT PANEL IN SAME LOCATION. RECONNECT EXISTING BRANCH CIRCUITS TO MATCH EXISTING.
2. EXISTING FEEDER CONDUIT TO REMAIN. PROVIDE NEW FEEDER WIRE IN EXISTING CONDUIT, EXTEND CONDUIT AS NEEDED TO CONNECT TO NEW PANAEL.
3. PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING.
4. REMOVE EXISTING FEEDER WIRE AND CONDUIT. PROVIDE NEW FEEDER INDICATED ON SCHEDULE.

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Project Title:
Addition & Renovation to
Whitewater Middle School
Whitewater Unified School District
829 S. 1st Street
Milwaukee, WI 53204

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
ONE LINE DIAGRAM

Sheet Number:
E003

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PANEL SCHEDULE -- PANEL: "3"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE 225A ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	3	80	EXISTING LOAD
1	3	70	EXISTING LOAD
1	3	50	EXISTING LOAD
1	3	40	EXISTING LOAD
1	3	20	EXISTING LOAD
2	2	30	EXISTING LOADS
3	2	20	EXISTING LOADS
31	1	20	EXISTING LOADS
1	1	15	EXISTING LOAD
3	-	-	SPACES

60 CKT DOUBLE TUB

PANEL SCHEDULE -- PANEL: "9"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE 225A ☒ SUB FEED LUGS SIZE ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
2	2	15	EXISTING LOADS
38	1	20	EXISTING LOADS

42 CKT TUB

PANEL SCHEDULE -- PANEL: "10"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE 100A ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
20	1	20	EXISTING LOADS
10	-	-	SPACES

30 CKT TUB

PANEL SCHEDULE -- PANEL: "12"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	3	100	PNL XX
1	3	20	EXISTING LOAD
2	2	40	EXISTING LOADS
1	2	20	EXISTING LOAD
30	1	20	EXISTING LOADS

42 CKT TUB

PANEL SCHEDULE -- PANEL: "13"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE 100A ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	2	30	EXISTING LOAD
2	2	20	EXISTING LOADS
20	1	20	EXISTING LOADS
4	-	-	SPACES

30 CKT TUB

PANEL SCHEDULE -- PANEL: "15"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
30	1	20	EXISTING LOADS
12	-	-	SPACES

42 CKT TUB

PANEL SCHEDULE -- PANEL: "16"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	3	20	EXISTING LOAD
2	2	60	EXISTING LOADS
23	1	20	EXISTING LOADS

30 CKT TUB

PANEL SCHEDULE -- PANEL: "17"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	3	50	EXISTING LOAD
6	2	50	EXISTING LOADS
1	2	30	EXISTING LOAD
1	2	20	EXISTING LOAD
29	1	20	EXISTING LOADS
12	-	-	SPACES

60 CKT DOUBLE TUB

PANEL SCHEDULE -- PANEL: "18"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	2	60	EXISTING LOAD
40	1	20	EXISTING LOADS

42 CKT TUB

PANEL SCHEDULE -- PANEL: "19"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	2	30	EXISTING LOAD
30	1	20	EXISTING LOADS
10	-	-	SPACES

42 CKT TUB

PANEL SCHEDULE -- PANEL: "20"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
42	1	20	EXISTING LOADS

42 CKT TUB

PANEL SCHEDULE -- PANEL: "21"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 225A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
64	1	20	EXISTING LOADS
8	-	-	SPACES

72 CKT TUB

PANEL SCHEDULE -- PANEL: "32"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
24	1	20	EXISTING LOADS
6	-	-	SPACES

30 CKT TUB

PANEL SCHEDULE -- PANEL: "X"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	3	50	EXISTING LOAD
1	3	20	EXISTING LOAD
1	2	60	EXISTING LOAD
34	1	20	EXISTING LOADS

42 CKT TUB

PANEL SCHEDULE -- PANEL: "XX"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
5	2	20	EXISTING LOADS
8	1	20	EXISTING LOADS

18 CKT TUB

PANEL SCHEDULE -- PANEL: "6TH CLASS"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☐ SURFACE AIC MANUFACTURE SQUARE D
☒ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
64	1	20	EXISTING LOADS
20	-	-	SPACES

84 CKT DOUBLE TUB

PANEL SCHEDULE -- PANEL: "6TH CUST"

VOLT 120/208 Ø 3 WIRE 4
LOCATION:

BUS SIZE 100A ☐ MAIN CIRCUIT BKR SIZE ☒ MAIN LUGS
PANEL SIZE ☒ SUB FEED LUGS SIZE XXXA ☒ COPPER GROUND BUS
☒ SURFACE AIC MANUFACTURE SQUARE D
☐ FLUSH MODEL NQ

WITH THE FOLLOWING BREAKERS:

QUANTITY	POLE	AMPS	LOAD SERVED
1	2	20	EXISTING LOAD
40	1	20	EXISTING LOADS

42 CKT TUB

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Project Title:
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ISSUANCES + REVISIONS:

Δ	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
PANEL SCHEDULES

Sheet Number:
E004

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Outlook

School district landscape plans

From Andrew Beckman <abeckman@whitewater-wi.gov>
Date Wed 2/4/2026 1:36 PM
To Llana Dostie <ldostie@whitewater-wi.gov>
Cc Kevin Boehm <kboehm@whitewater-wi.gov>

Good Afternoon, from the Urban Forestry meeting Monday night the following recommendations are ;
High School;
Southwest side of building group of 3 Black hills Spruce
Change to include 1 Native White Spruce
1 Native Red Cedar
1 Black Hills Spruce

North West Corner group of 3 Espresso Coffee Tree
Change to include 1 White Oak
1 State St Maple
1 Espresso Coffee Tree

Center turn Around Group of 4 St Street Maple
Change to include 1 Columnar Oak(Crimson spire, Regal Prince)
1 Espresso Coffee Tree
2 St. Street Maple

Middle School;
Buffer area entrance onto W. Highland Group of 5 Colorado Spruce
Change to include 2 White Spruce
1 Red Cedar
2 Colorado Spruce

3 Northwood Maple
Change to include 1 Espresso Coffee Tree
1 Columnar Oak (Crimson Spire or Regal Prince)
1 Northwood Maple

Add Buffer area to Northwest Corner of property of S. Elizabeth St, Similar tree selection will work there.

M E M O R A N D U M

To: City of Whitewater Plan and Architectural Review Commission

From: Allison Schwark, Zoning Administrator

Date: February 9, 2026

Re: Whitewater High School Site Plan and Architectural review

Summary of Request	
Requested Approvals:	Site Plan Review
Location:	534 S. Elizabeth Street
Current Land Use:	High School
Proposed Land Use:	Building Additions, Renovations, and Parking Lot Replacement for High School
Current Zoning:	I - Institutional
Proposed Zoning:	N/A
Future Land Use, Comprehensive Plan	I -Institutional

Staff Review

The applicant is requesting a site plan review for building additions and parking lot replacement in the Institutional zoning district. The Whitewater Unified School District is proposing multiple building additions, interior remodeling of existing structures, and parking lot replacement at Whitewater High School, 534 S. Elizabeth Street. The parcel is currently comprised of a high school, athletic facilities, and an accessory parking lot. Building additions include a proposed kitchen, greenhouse, and educational laboratories. Additionally, the project includes the removal and replacement of portions of the existing hard surfaced parking lot. Civil plan sheet no. C2.0 proposes a total of 233 parking spaces to be replaced on the property. The demolition site plan indicates areas of existing parking that are undefined by structural abutments or hard surfacing, which are alleviated by the proposed work. There is a large parking lot on the east side of the property, adjacent to South Elizabeth Street, that will not be altered by this project. The parcel is

65.14 acres and abutted by agricultural land and residential properties. Architectural and civil plans properly illustrate the extent of the proposed work, including building elevations, stormwater drainage, and utility layout.

Per the I – Institutional District

19.48.020 – Permitted Uses

> D. Public and semipublic uses, to include public and private schools; churches, cultural centers, and faith-based institutions; government facilities; active recreational parks; museums, medical facilities, libraries, public transportation terminals; and similar uses.

The proposed project is an addition to an existing public high school, a conforming use in the I – Institutional Zoning District.

19.48.060 - Building height.

Maximum building height in the institutional district shall be one hundred feet. Mechanical penthouses shall be excluded from the building height restrictions listed herein if they comply with the following limitations:

> A. Penthouses shall be no taller than the highest floor to floor height in the building.
>
> B. Penthouses shall be set back from the public street building facade of the building equal to the height of the penthouse.
>
> C. The penthouse floor area, including vertical circulation spaces leading to the penthouse, shall be no greater than ten percent of the ground floor building footprint.
>
> D. The maximum building height is also subject to fire safety limitations. The maximum building height may be increased under the provisions of a conditional use permit which will include, but is not limited to, consideration of issues regarding shadows cast by buildings, views, impacts on neighbors, and microclimate.

The proposed project meets the maximum building height requirement.

19.48.070 - Yard requirements.

Minimum yard requirements in the I district are:

> A. Any street yard facing any zoning district other than the institutional district shall be no less than twenty-five feet, measured from the right-of-way, or one-half of the total height of the building, whichever is greater. Any street yard within an institutional district facing yards in an institutional district shall not be less than twenty-five feet, measured from the right-of-way. The building setback shall not in any event encroach on the intersection visibility requirements set forth in Whitewater Municipal Code, Section 19.51.010;

B. Street yard for off-street parking—fifteen feet;

C. Side yard shall be thirty feet or equal to the height of the structure, whichever is greater;

D. Rear yard—thirty-five feet or equal to the height of the structure, whichever is greater.

E. Shore yard, seventy-five feet. All shoreland shall be in compliance with Chapter 19.46 and in addition may require DNR approval.

The proposed building additions and parking lot replacement meet the minimum setback requirements. The street yard setbacks for parking lot replacements are existing and exceed the minimum required 15' setback.

Planner's Recommendations

1) Staff recommend the **APPROVAL** of the Site Plan Review for the additions, renovations, and parking lot replacement for the parcel located at 534 S. Elizabeth Street, tax key /WUP 00315A with the following conditions:
    a. All lighting shall comply with the City of Whitewater Ordinances.
    b. All zoning and building permits for construction be properly obtained.
    c. Conform to municipal fire code as per 19.48.060(D)
    d. Landscaping shall be completed to the specifications of the site plan and City of Whitewater landscaping guidelines. Any deviation from the site plan shall require additional staff approval.
    e. All Engineering comments shall be addressed prior to construction starting.
    f. Site plan shall not deviate from approved plans. Any deviation shall require additional staff approval.



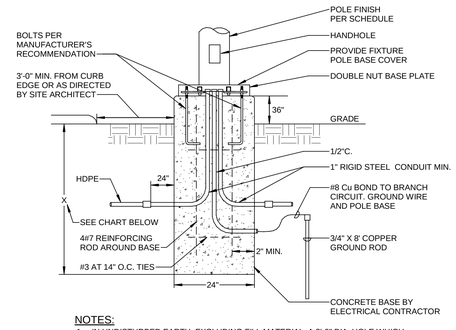
GENERAL NOTES

1. UNLESS SHOWN OTHERWISE, ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" HDPE. PROVIDE SOLID PIPE TO FIXTURES, LEAVING MINIMAL TRANSITIONS UNDERGROUND.
2. INSTALL PULL CORD IN ALL EMPTY CONDUITS.
3. PROVIDE CONCRETE BASE ROUGH-IN FOR ALL LP1 POLES PER DETAIL 2/E1.0S.
4. PROVIDE CONCRETE BASE ROUGH-IN FOR ALL YF FIXTURES PER DETAIL 3/E1.0S.
5. UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
6. PROVIDE SITE LIGHTING CONTROL PANEL PER DETAIL 4/E5.1.
7. BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES. DIRECTIONAL BORE UNDER EXISTING SIDEWALKS.
8. ALL CONDUITS STUBBED OUT OF BUILDINGS SHALL BE DONE PER DETAIL 1/E5.1.

PLAN NOTES (X)

236	UPON EXISTING ASPHALT BEING PULVERIZED, REMOVE EXISTING OUTLETS AND BACKBOXES AND RETAIN UNDERGROUND CONDUITS AND WIRE. EXTEND THE EXISTING CIRCUITS, WIRING AND CONDUITS TO NEW RECEPTACLES (SEE ELECTRICAL OUTLET DETAILS, AND POLE BASE DETAIL FROM GC). GC TO PROVIDE POLE. PROVIDE WEATHERPROOF GFCI RECEPTACLE. COORDINATE WITH GENERAL CONTRACTOR FOR FINAL LOCATIONS. SEE DETAIL 6/E5.2 .
237	RETAIN UNDERGROUND CONDUITS AND WIRING. REMOVE BOX, BUTTON AND WARNING LIGHT AND PROVIDE NEW POLYCARBONATE NEMA 4X BOX WITH STAINLESS STEEL LOCKABLE LATCH. REINSTALL ON THE EXTERIOR OF THE PLAYING AREA OF THE TENNIS COURTS.
238	RETAIN UNDERGROUND CONDUITS AND WIRING, REMOVE. AND STORE EXISTING LIGHT POLE, CONTROLS, AND FIXTURE HEADS. NOTE ORIENTATION FOR REISTALLATION. PROVIDE CONDUIT AND THREDDED ROD EXTENSION, SEE ARCHITECHURAL DETAILS FOR EXTENDING POLE BASE 12". REINSTALL EXISTING POLES, FIXTURES AND CONTROLS TO EXTENDED POLE BASE. AIM FIXTURES AS NOTED FROM DEMOLITION.
239	EXTEND EXISTING EXTERIOR CIRCUITS HC-25,27,29,31, PROVIDE AND ROUTE THROUGH NEW PHOTOCELL/TIMECLOCK CONTROLS, SEE DETAIL 4/E5.1. PROVIDE NORTH FACING PHOTOCELL ON NEW ADDITION.

1 SITE PLAN - ELECTRICAL
1" = 60'-0"

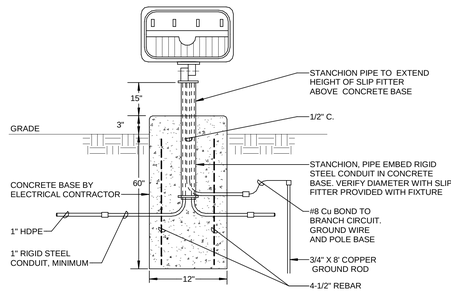


NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

2 E1.0S 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL
SCALE: NTS



3 E1.0S GROUND MOUNTED FIXTURE BASE
SCALE: NTS

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
Sheboygan • Davenport
Moline • Saint Paul
www.brayarch.com

ENGINEERING DESIGN BY
MSA
(800) 362-4505 • www.msa-ps.com

Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SITE PLAN - ELECTRICAL

Sheet Number:
E1.0S

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Autodesk Docs://3705 - Whitewater Unified School District Facility Master Planning 20240037241_Whitewater High School_ELECT_R24.rvt
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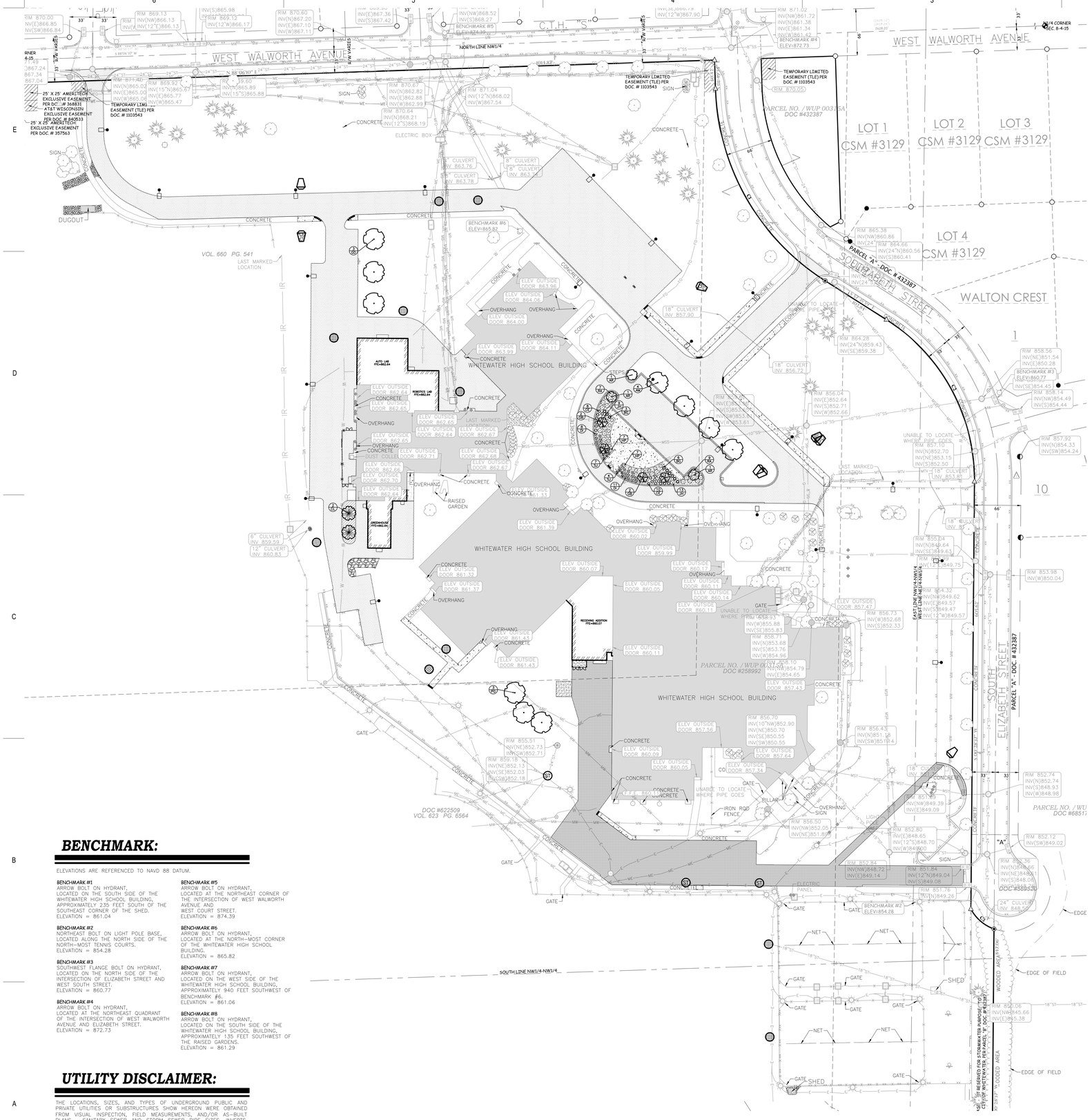

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LANDSCAPE AREAS. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SPECIFIED PLANTING SOIL DEPTH IS PRESENT PRIOR TO PLANTING.
3. SEED/FERTILIZE/CRIMP HAY MULCH ALL GENERAL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION, EXCEPT AREAS NOTED ON THIS DOCUMENT TO BE SODDED.
4. ALL PLANT MATERIALS LISTED SHALL MEET THE STANDARDS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION FOR THE SIZES GIVEN.
5. ALL TREES SHALL BE STAKED WITH A MINIMUM OF THREE STAKES.
6. ALL TREES IN THE TURF AREA SHALL HAVE A 5' DIAMETER CIRCLE OF 4" DEPTH SHREDDED HARDWOOD BARK MULCH.
7. EDG-KING LANDSCAPE EDGING OR EQUAL SHALL BE PLACED AROUND ALL LANDSCAPE BEDS.
8. 3" OF SHREDDED BARK MULCH SHALL BE PLACED IN ALL PLANTING BEDS.
9. FILTER FABRIC SHALL BE PLACED BENEATH ALL LANDSCAPE BARK MULCH.
10. COORDINATE ALL LANDSCAPE WORK WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.

LEGEND:

LANDSCAPE WOOD MULCH (SEE GENERAL NOTE 8)

PLANTING SCHEDULE:

TREES SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
AM	ACER MIYABEI 'MORTON'	STATE STREET MAPLE	2" CAL.	45'TX35'W	4
AR	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD MAPLE	1.5" CAL.	35'TX12'W	3
CL	CELTIS 'JFS-KSU1'	PRAIRIE SENTINEL HACKBERRY	1.5" CAL.	40'TX12'W	2
GB	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY COLUMNAR GINKGO	1.5" CAL.	25'TX12'W	4
GD	GYMNOCLADUS DIOICUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEE	2" CAL.	50'TX35'W	3
PG	PICEA GLAUCA VAR. DESATA	BLACK HILLS SPRUCE	5'T	40'TX20'W	3

SHRUBS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
BG	BUXUS X 'GLENCOE'	CHICAGOLAND GREEN BOXWOOD	5 GAL	3'TX3'W	9
CE	CEANOTHUS AMERICANUS	NEW JERSEY TEA	5 GAL.	3'TX3'W	18
DI	DIERVILLA IONICERA	DWARF BUSH HONEYSUCKLE	5 GAL.	3'TX3'W	19
HP	HYDRANGEA PANICULATA 'SMHPLQF'	LITTLE QUICK FIRE HYDRANGEA	5 GAL	5'TX5'W	14
JH	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	3 GAL	1'TX8'W	22
RA	RHUS AROMATICA 'GRO-LOW'	GRO-LOW SUMAC	5 GAL.	2'TX6'W	16
SJ	SPIRAEA JAPONICA 'SMNSJMFR'	DOUBLE PLAY RED SPIREA	5 GAL	3'TX3'W	11

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

0' 60' 120'
1" = 60'

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
Sheboygan • Davenport
Moline • Saint Paul
www.brayarch.com

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999(PH) 715.344.9922(Fx)
POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

△	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
LANDSCAPE PLAN

Sheet Number:
L1.0

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Print

Site Plan Application - Submission #2115

Date Submitted: 12/19/2025

City of Whitewater
312 W Whitewater Street
PO Box 178
Whitewater, WI 53190
262-473-0540
www.whitewater-wi.gov

Neighborhood Services

Site Plan Application

Site Plan Application Checklist (Please read)

Applicant

1. Fill out Planning Request Form and Plan of Operation Form. Digital copies of all submittal materials:

   a. Application Forms
   b. Landscaping plan indication location, type and size of materials (Please review Landscaping Guidelines)
   c. Stormwater and Erosion Control Applications (Separate Forms)
   d. Lighting Plan (Photometric) Plan
   e. And any other materials you feel are pertinent

2. Application shall include the following Plan requirements:

   a. All plans shall be drawn to scale and show all sides of the proposed building
   b. All plans will exhibit property exterior building materials and colors to be used
   c. All plans will exhibit proposed /existing off-street parking stalls and driveway/loading docks
   d. Building elevations must include the lot on which the structure is to be built and the street(s) adjacent to the lot

3. Submit fee to the City of Whitewater

City Building Inspector/Zoning Administrator

1. Review application for accuracy and all required information
2. Staff will review information for conformance to Ordinances
3. Engineer will review Stormwater and Erosion Control Plans
4. Landscape Plan will be reviewed by Urban Forestry Commission
5. When application is complete and approved by Staff it will then be forwarded to Plan Commission

Process

1. Plan Commission considers applicant's request and staff review presented by Zoning Administrator, at the first initial

appearance. If Plan Commission recommends changes and/or revisions, then the applicant must revise site plan, otherwise the matter is forwarded as is for the second appearance for approval/denial of the final site plan.

NOTE: Plan Commission normally meets the second Monday of each month at 6:00 p.m. If a public hearing is required, it will be scheduled at the beginning of the Plan Commission meeting.

Urban Forestry Commission normally meets the fourth Monday of each month at 5:30 p.m.

Llana Dostie, Zoning Specialist
262-473-0144
ldostie@whitewater-wi.gov

Allison Schwark, Municipal Code Enforcement
262-249-6701
mcodeenforcement@gmail.com

Site Plan
Whitewater HS Site Plan.pdf

Landscaping Plan
L1.0 LANDSCAPE PLAN.pdf

Lighting Plan
00377241_Whitewater High School.pdf

Other Information
Choose File No file chosen

Planning Request

General Project Information

Project Tax Id #

Project Address*
534 S Elizabeth Street

Project Title (if any):
Whitwater High School Additions and Renovations

Applicant, Agent & Property Owner Information

Applicant's Name*
David Friend

Applicant's Company*
Whitewater Unified School District

Address*
534 S Elizabeth Street

City*

Whitewater

State*

WI

Zip Code*

53190

Phone Number*

2627428709

Email Address*

dfriend@wwusd.org

Agent's Name

Agent's Company

Address

City

State

Zip Code

Phone Number

Fax Number

Email Address

Owner's First Name (if Different from applicant)

Owner's Last Name

Address

City **State** **Zip Code**

Phone Number **Fax Number**

Email Address

Planning Request (check all that apply)*

- [x] Site Plan and Architectural Review $150.00 plus $0.05 per sq. ft (Floor Area
- [ ] Conditional Use Permit $275.00
- [ ] Rezone/Land Use Amendment $400.00
- [ ] Planned Unit Development $500.00
- [ ] Preliminary Plat $175.00
- [ ] Final Plat $225.00
- [ ] Certified Survey Map $200.00 plus $10.00 per lot
- [ ] Project Concept Review $150.00
- [ ] Joint Conditional Use & Certified Survey Map $500.00 plus $10.00 per lot
- [ ] Joint Rezoning & Certified Survey Map $500.00 plus $10.00 per lot
- [ ] Joint Site Plan & Conditional Use $300.00 plus $0.05 per sq. ft. (Floor Area)
- [ ] Board of Zoning Appeals/Adjustment $300.00

Will translation services be needed during the Plan Board meeting?*

- [ ] Yes
- [x] No

If Yes, please specify the language required.

Plan of Operations

Property Information **Tenant Information**

Property Tax Key #

Previous Business Name*

N/A

Property Address

Years in Operation*

N/A

Property Owner Name*

David Friend

New Business Name*

N/A

Owner's Mailing Address*

534 S Elizabeth Street

Name of Operator*

N/A

City, State and Zip Code*

Whitewater

Operator's Mailing Address*

N/A

Owner's Phone Number*

2627428709

Operator's City, State and Zip Code*

N/A

Owner's Email*

dfriend@wwusd.org

Operator's Phone and Email*

N/A

New Business Use/Operation Information

Description of Business Use or Operations*

Institutional

Previous Use of Space*

High School - Educational

Hours of Operation (Weekdays)*

8

Hours of Operations (Weekends)*

0

Total Area Space (SQF)*
N/A

 # Toilet Fixtures*
N/A

# of Full Time Employees*
N/A

# of Part Time Employees
N/A

Customer Seating*
- [ ] Yes
- [x] No

Seating Capacity*
N/A

Total Employee Hours Per Year (including yourself if self-employed)*
N/A

Sprinkler System*
- [x] Yes
- [ ] No

Hazardous/Flammable Chemicals Used/Stored*
- [ ] Yes (Must attach MSDS Sheets)
- [x] No

Specified Use of Property and Building(s)

Building A*
High School

Building B

Building C

Will there be any problems resulted form this operation such as: (Check all that apply)*
- [ ] Odors
- [ ] Smoke
- [ ] Noise
- [ ] Light
- [ ] Vibrations
- [x] None

Parking

Dimension of parking lot*
See Provided Site Plan

Number of Spaces available*
See Provided Site Plan

Parking lot construction*

- [x] Asphalt
- [ ] Concrete

Type of Screening*

- [x] Fencing
- [ ] Plantings

Is employee parking included in (number of spaces available"?*

- [x] Yes
- [ ] No

Signage (Separate Sign Permit Application Needed)

Type (Check all that apply)*

- [ ] Free standing
- [ ] Monument
- [ ] Projecting
- [ ] Awning/Canopy
- [ ] Electronic Message
- [ ] Pylon
- [ ] Arm/Post
- [ ] Window
- [ ] Mobile/Portable or Banner
- [x] None
- [ ] Other

If other describe

Location of Signs*

N/A

Entertainment

Is there any type of music in this proposal? *

- [ ] Yes (Separate License from Clerk's office Required)
- [x] No

Live*

- [ ] Yes
- [x] No

When will this be offered to customers*

- [ ] Monday
- [ ] Tuesday
- [ ] Wednesday
- [ ] Thursday
- [ ] Friday
- [ ] Saturday
- [ ] Sunday
- [x] None

What time(s) will this be offered

Outdoor Lighting

Type*

Light Poles

Location*

See Provided Site Plan

Utilities

Will you be connected to City (Check all that apply)*

- [x] Water
- [ ] Sewer

Is there a private well on-site*

- [ ] Yes
- [x] No

Types of Refuse Disposal*

- [x] Municipal
- [ ] Private

Approval Date by the Department of Natural Resources for the well proposed use

Approval Date by the County Health Department for existing septic system

WI

What types of sanitary facilities are to be installed for the proposed operation*

None

Surface Water drainage facilities (describe or include in site plan)*

See Provided Site Plan

Licenses/Permits

Is a highway access permit needed from the State, County or local Municipality?*

- [ ] Yes
- [x] No

Is a cigarette license required? (Separate license from Clerk's Office Required)*

- [ ] Yes
- [x] No

Is a liquor license required? (Separate license from Clerk's Office required)*

- [ ] Yes
- [x] No

Did Wisconsin Department of Safety and Professional Services Division of Industry Services approve building plans*

- [ ] Yes
- [x] No

Permitted Property Uses (Check all that apply)*

- [ ] Single Family Dwelling
- [ ] Two Family Dwelling
- [ ] Modular Home
- [ ] Manufactured Home
- [ ] Second or greater wireless telecommunication facility
- [ ] Multi-Family Dwellings
- [ ] Art, Music, and School supply stores and galleries
- [ ] Antique, collectible and hobby craft stores
- [ ] Automotive and related parts stores, without servicing
- [ ] Hotel and Motels
- [ ] Small appliance repair stores, computer or software sales and service
- [ ] Banks and other financial institutions without drive thru facilties
- [ ] Camera and photographic supply stores
- [ ] Caterers
- [ ] Clothing, shoe stores and repair shops
- [ ] Clinics medical and dental
- [ ] Department Stores
- [ ] Drug Stores
- [ ] Florist Shops
- [ ] Food and convenience stores without gasoline pumps
- [ ] Furniture stores
- [ ] Hardware stores
- [ ] Insurance agencies
- [ ] Barbershops/Beauty Parlors
- [ ] Liquor stores without drive-thru facilities
- [ ] Resale shops
- [ ] Professional and Business offices
- [ ] Self-service laundries and dry-cleaning establishments
- [ ] Stationary stores, retail office supply stores
- [ ] Movie theaters
- [ ] Tourist Homes and bed and breakfast
- [ ] Bakeries or candy stores with products for sale on premise only
- [ ] Appliance repair stores, including computer sales and service
- [ ] Coffee Shops
- [ ] Cultural arts centers and museums
- [ ] Post Offices
- [ ] Ice cream shops and cafes
- [ ] Toy stores
- [ ] Agricultural services
- [ ] Lumberyards, building supply stores and green houses
- [ ] Manufacturing, fabrication, packing, packaging and assembly of products from furs, glass, leather, metals, paper, plaster, plastic, textiles, clay, woods and similar material
- [ ] Research facilities, development and testing laboratories, including testing facilities and equipment

- [ ] Retail sales and services linked to manufacturing or warehousing
- [ ] Production, or processing, cleaning, servicing, testing or remailer or materials, goods, or products limited to the follow uses, products, components, or circumstances:
- [ ] a. Electronic and electrical products instruments, such as transistors, semicondurctors, small computers, scanners, monitors and compact communication devices
- [ ] b. High technology products related to the fields of physics, oceanography, astrophysics, metallurgy, chemistry, biology or other scientific field offered for study by University of Whitewater
- [ ] c. Laser technology, radiology, x-ray and ultrasound products, manufacturing and assembly
- [ ] d. Medial and dental supplies
- [ ] e. Optical, fiber optical and photographic products and equipment
- [ ] f. Orthopedic and medical appliances such as artificial limbs, brace supports and stretchers
- [ ] g. Products related to process design, process stimulation, computer hardware and software development, safety engineering
- [ ] h. Scientific and precision instruments and components, including robotics
- [ ] Jewelry stores
- [ ] Meat markets
- [ ] Paint, wallpaper, interior decorating and floor covering stores
- [ ] Restaurants without drive-thru facilities
- [ ] Sporting goods store
- [ ] Variety stores
- [ ] Charitable or nonprofit institution and facilities
- [ ] Light assembly uses including electronics, pottery, printing, contractor shops (heating, electrical, plumbing and general contracting) provided that there are no significant environmental emissions (odor or waste)
- [ ] Catalog and e-commerce sales outlets
- [ ] Day spas
- [ ] Gift Shops
- [ ] Public Parking lots
- [ ] Tourist information and hospitality centers
- [ ] Dance studio
- [x] College, Universities, Schools, Churches, Libraries, Government buildings
- [ ] Private recreation facilities
- [ ] Freight terminals, trucking servicing and parking, warehousing and inside storage
- [ ] More than one pricipal structure on a lot when the additional building is a material and direct part of the primary business
- [ ] Pilot plants and other facilities for testing manufacturing, processing or fabrication methods or for the testing of products or materials
- [ ] Telecommunication centers (not including wireless telecommunications facilities)

Permitted Conditional Uses (Check all that apply)*

- [ ] Planned Residential Development
- [ ] First Wireless telecommunications facility located on alternative structure only
- [ ] Attached townhouse dwellings up to four units per building
- [x] Public and semi public uses
- [ ] Multifamily dwellings and attached dwellings, over four units (new construction only)
- [ ] Any building over forty feet
- [ ] Conversion of existing structures resulting in more dwelling units
- [ ] Dwelling units with occupancy of six or more unrelated persons
- [ ] Home Occupations/Professional Home offices requiring customer access
- [ ] Bead Breakfast establishments
- [ ] Conversion of existing single-family dwellings to two-family attached dwellings
- [ ] Profession business offices in a building where principal use is residential
- [ ] Fraternity or sorority houses and group lodging facilities
- [ ] Planned Development
- [ ] Conversion of existing units with less than five bedrooms to five or more bedrooms
- [ ] Entertainment establishments, including clubs but excluding adult entertainment
- [ ] All uses with drive-in and drive-thru facilities
- [ ] Automobile repair and service
- [ ] Taverns and other places selling alcoholic beverages by the drink
- [ ] daycare adult, child and doggie
- [ ] Large Retail and Commercial Service Developments
- [ ] Motor Freight Transportation
- [ ] Light Manufacturing and retail uses
- [ ] Automobile and small engine vehicles sales and rental facilities
- [ ] Car washes
- [ ] Gasoline service station, including incidental repair and service
- [ ] Funeral homes and crematory services
- [ ] Liquor or tobacco stores
- [ ] Wholesale trade of durable and non durable goods
- [ ] Salvage yards

Signatures

By signing below, I certify that the above information is true and accurate account of the information requested for my business site and its operation and use. Should an inspection be required, I agree to all the Inspector(s) reasonable access to the space to verify compliance with the Municipality's Ordinance. In addition, I fully understand that completion of this or its approval does not preclude me from complying with all applicable State Statutes or Municipal Ordinances regarding my business and its lawful operations.

Applicant's Signature*	Date*	Inspector's Signature	Date
Anna Blake	12-19-2025		

Cost Recovery Certificate and Agreement

Pursuant to Ordinance 19.74.010 and 16.04.270 of the City of Whitewater Municipal Code

The undersigned applicant hereby acknowledges and agrees to be bound by Ordinances 19.74.010 and 16.04.270 of he City of Whitewater Municipal Code, providing for city recovery of all city costs and disbursements incurred directly or indirectly related to the Applicant's request. All costs incurred by the city in the consideration of any requests by the Applicant related to the Applicant's request shall be recoverable, including by not limited to, all professional and technical consultant services and fees retained by the city and rendered in review of any application, including the engineer, planner, attorney, or any other professional or expert hired by the village for purposes of review of the application or pre-submission request. The Applicant agrees to reimburse the City for all costs recoverable pursuant to the terms of the above numbered ordinance within the time period set forth by the City of Whitewater Municipal Code. At no time shall any cost recoverable fees be waived, except through the process of a written request by the Applicant and the Common Council, review and evaluation by the Common Council, and official action taken by the Common Council.

PROJECT INFORMATION

PROJECT NAME*

Whitewater High School Additions & Renovations

PROJECT LOCATION*

534 S Elizabeth St, Whitewater, WI 53190

APPLICANT INFORMATION

NAME*

David Friend

MAILING (BILLING) ADDRESS*

534 S Elizabeth Street

PHONE*

2627428709

EMAIL ADDRESS*

dfriend@wwusd.org

ATTORNEY INFORMATION

NAME

PHONE	EMAIL ADDRESS
	annab@pobinc.com

Note to Applicant: The City Engineer, Attorney and other City professionals and staff, if requested by the City to review your request, will be billed for their time at an hourly rate which is adjusted from time to time by agreement with the City. Please inquire as to the current hourly rate you can expect from this work. In addition to these rates, you will be asked to reimburse the City for those additional costs set forth in 19.74.10 and 16.04.270 of the Municipal Code

RATES

City Administration Hourly Rate Shall Not Exceed

Interim Director of Economic Development: Emily McFarland $

Director of Public Works: Brad Marquardt $72.33

Director of Finance: Rachelle Blitch $65.94

Clerk: Heather Boehm $43.33

Deputy Clerk: Tiffany Albright $29.20

NS Administrative Assistant Llana Dostie $

Building Inspection Services

Building Inspector Commercial: Joe Mesler $80.00

Building Inspector Residential: Jon Mesler $80.00

City Attorney

Russell Law Offices, LLC

Attorney Timothy Brovold $

City Engineer

Strand and Associates $247.63

Primary Contact: Mark Fischer

City Planners and Zoning Administrator

Primary Contact: Allison Schwark $49.00

City Use only Below

Building Inspector Date Received

Review By

Zoning Administrator Date Received

Review By

Occupancy Classification

Occupancy Classification Surrounding Units

Zoning of Property

Use Permitted

- ☐ By Right
- ☐ By CUP
- ☐ PC Approval Required

Approval

- ☐ Approved
- ☐ Denied

Date

Approval

- ☐ Approved
- ☐ Denied

Date

Public Works Approval

- ☐ Approved
- ☐ Denied

Date

City Engineer Approval

- ☐ Approved
- ☐ Denied

Date

Police Department Approval

- ☐ Approved
- ☐ Denied

Date

Fire Department Approval

- ☐ Approved
- ☐ Denied

Date







ADDITION AND RENOVATIONS

WHITEWATER HIGH SCHOOL

WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

CONSTRUCTION DOCUMENTS
12/19/2025

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C1.2	NORTHEAST DEMOLITION PLAN
C1.3	SOUTHWEST DEMOLITION PLAN
C1.4	SOUTHEAST DEMOLITION PLAN
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C2.1	NORTHWEST LAYOUT PLAN
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C3.2	NORTHEAST GRADING PLAN
C3.3	SOUTHWEST GRADING PLAN
C3.4	SOUTHEAST GRADING PLAN
C3.5	SOUTH GRADING PLAN
C4.0	OVERALL EROSION CONTROL PLAN
C4.1	NORTHWEST EROSION CONTROL PLAN
C4.2	NORTHEAST EROSION CONTROL PLAN
C4.3	SOUTHWEST EROSION CONTROL PLAN
C4.4	SOUTHEAST EROSION CONTROL PLAN
C4.5	SOUTH EROSION CONTROL PLAN
C5.0	OVERALL UTILITY PLAN
C5.1	NORTHWEST UTILITY PLAN
C5.2	NORTHEAST UTILITY PLAN
C5.3	SOUTHWEST UTILITY PLAN
C5.4	SOUTHEAST UTILITY PLAN
C5.5	SOUTH UTILITY PLAN
C6.0	DETAILS
C6.1	DETAILS
L1.0	LANDSCAPE PLAN
STRUCTURAL	
S001	GENERAL STRUCTURAL NOTES
S002	STRUCTURAL SCHEDULES
S003	SPECIAL INSPECTIONS
S004	SPECIAL INSPECTIONS
S100B	UNIT B - FOUNDATION PLAN
S100F.1	UNIT F - FOUNDATION PLAN
S100F.2	UNIT F.2 - FOUNDATION PLAN
S101A	UNIT A - FLOOR FRAMING PLAN
S101C	UNIT C - STUCTURAL PLANS
S101F.1	UNIT F - FLOOR FRAMING PLAN
S102A	UNIT A - ROOF FRAMING PLAN
S102B	UNIT B - ROOF FRAMING PLAN
S102F.1	UNIT F - ROOF FRAMING PLAN
S102F.2	UNIT F.2 - ROOF FRAMING PLAN
S400	STRUCTURAL SECTIONS
S401	STRUCTURAL SECTIONS
S402	STRUCTURAL SECTIONS
S403	STRUCTURAL SECTIONS
S404	STRUCTURAL SECTIONS
S405	STRUCTURAL SECTIONS
S406	STRUCTURAL SECTIONS
S407	STRUCTURAL SECTIONS
S500	STRUCTURAL DETAILS
S501	STRUCTURAL DETAILS
S502	STRUCTURAL DETAILS
S503	STRUCTURAL DETAILS
SK1	STRUCTURAL DETAIL
ARCHITECTURAL - GENERAL	
AG1.0	GENERAL NOTES
AG1.1	WALL TYPES
ARCHITECTURAL - DEMOLITION	
A0.1	FIRST FLOOR DEMOLITION PLAN
A0.1B	UNIT B - FIRST FLOOR DEMO PLAN
A0.1C	UNIT C - FIRST FLOOR DEMO PLAN
A0.1F	UNIT F - FIRST FLOOR DEMO PLAN
A0.1G	UNIT G - FIRST FLOOR DEMO PLAN
A0.2F	UNIT F - MEZZANINE FLOOR DEMO PLAN
A0.5A	UNIT A - FIRST FLOOR DEMO RCP
A0.5B	UNIT B - FIRST FLOOR DEMO RCP
A0.5C	UNIT C - FIRST FLOOR DEMO RCP
A0.5F	UNIT F - FIRST FLOOR DEMO RCP
A0.5G	UNIT G - FIRST FLOOR DEMO RCP
ARCHITECTURAL	
A1.0	ARCHITECTURAL SITE PLAN
A1.1	OVERALL FIRST FLOOR PLAN
A1.1B	UNIT B - FIRST FLOOR PLAN
A1.1C	UNIT C - FIRST FLOOR PLAN
A1.1F.1	UNIT F - FIRST FLOOR PLAN
A1.1F.2	UNIT F - FIRST FLOOR PLAN
A1.1G	UNIT G - FIRST FLOOR PLAN
A1.2F.1	UNIT F - MEZZANINE FLOOR PLAN
A1.3	OVERALL ROOF PLAN
A1.3B	UNIT B - ROOF PLAN
A1.3F	UNIT F - ROOF PLAN
A1.5	OVERALL FIRST FLOOR RCP
A1.5A	UNIT A - FIRST FLOOR RCP
A1.5B	UNIT B - FIRST FLOOR RCP
A1.5C	UNIT C - FIRST FLOOR RCP
A1.5F	UNIT F - FIRST FLOOR RCP
A1.5G	UNIT G - FIRST FLOOR RCP
A1.6F.1	UNIT F - MEZZANINE FLOOR RCP
A2.0B	OVERALL EXTERIOR ELEVATIONS
A2.0F	OVERALL EXTERIOR ELEVATIONS
A4.0	WALL SECTIONS
A4.1	WALL SECTIONS
A4.2	WALL SECTIONS
A4.3	WALL SECTIONS
A4.4	WALL SECTIONS
A4.5	WALL SECTIONS
A4.6	WALL SECTIONS
A4.7	WALL SECTIONS
A4.8	WALL SECTIONS
A5.0	EXTERIOR DETAILS
A5.1	EXTERIOR DETAILS
A5.2	EXTERIOR DETAILS
A5.3	EXTERIOR DETAILS
A6.0	ENLARGED PLANS
A6.1	ENLARGED PLANS
A6.2	UNIT F- FIRST FLOOR EQUIPMENT PLAN
A6.3	UNIT F- MEZZANINE EQUIPMENT PLAN
A6.5	EQUIPMENT SCHEDULE
A7.0	INTERIOR ELEVATIONS
A7.1	INTERIOR ELEVATIONS
A7.2	INTERIOR ELEVATIONS
A7.3	INTERIOR ELEVATIONS
A7.4	INTERIOR DETAILS
A7.5	INTERIOR DETAILS
A7.6	INTERIOR DETAILS
A7.7	INTERIOR DETAILS
A7.8	CASEWORK DETAILS
A7.9	CEILING DETAILS
A8.0	DOOR & WINDOW SCHEDULES & TYPES
A8.1	DOOR & WINDOW DETAILS
A8.2	DOOR & WINDOW DETAILS
A8.5	UNIT B - DOOR SCOPE
A8.6	UNIT F - DOOR SCOPE
A8.7	UNIT B - OWNER EQUIPMENT
A8.8	UNIT C - OWNER EQUIPMENT
A8.9	UNIT F - OWNER EQUIPMENT
A8.10	UNIT G - OWNER EQUIPMENT
A9.0	INTERIOR FINISH LEGEND & GENERAL FINISH NOTES
A9.1B	UNIT B - FIRST FLOOR FINISH PLAN
A9.1C	UNIT C - FIRST FLOOR FINISH PLAN
A9.1F	UNIT F - FIRST FLOOR FINISH PLAN
A9.1G	UNIT G - FIRST FLOOR FINISH PLAN
A9.2F.1	UNIT F - MEZZANINE FINISH PLAN
R1.0	REFRENCE VIEWS - INTERIOR
R2.0	REFRENCE VIEWS - EXTERIOR
FOOD SERVICE	
FS050	FOODSERVICE EQUIPMENT OVERALL PLAN
FS100	FOODSERVICE EQUIPMENT PLAN
FS101	FOODSERVICE EQUIPMENT PLAN
FS200	FOODSERVICE ELECTRICAL PLAN
FS200A	FOODSERVICE ELECTRICAL SCHEDULE
FS201	FOODSERVICE ELECTRICAL PLAN
FS300	FOODSERVICE PLUMBING PLAN
FS300A	FOODSERVICE PLUMBING SCHEDULE
FS301	FOODSERVICE PLUMBING PLAN
FS400	FOODSERVICE SPECIAL CONDITIONS PLAN
FS401	FOODSERVICE SPECIAL CONDITIONS PLAN
PLUMBING	
P000	GENERAL NOTES
P0.0	OVERALL FOUNDATION DEMOLITION PLAN
P0.0B	UNIT B - FOUNDATION DEMO PLAN
P0.0F	UNIT F - FOUNDATION DEMO PLAN
P0.1	OVERALL FIRST FLOOR DEMOLITION PLAN
P0.1B	UNIT B - FIRST FLOOR DEMO PLAN
P0.1F	UNIT F - FIRST FLOOR DEMO PLAN
P1.0B	UNIT B - FOUNDATION PLAN
P1.0F	UNIT F - FOUNDATION PLAN
P1.1	OVERALL FIRST FLOOR PLAN
P1.1B	UNIT B - FIRST FLOOR PLAN
P1.1F	UNIT F - FIRST FLOOR PLAN
P1.2F	UNIT F - MEZZANINE FLOOR PLAN
P1.3	OVERALL ROOF PLAN
P1.3B	UNIT B - ROOF PLAN
P1.3F	UNIT F - ROOF PLAN
HVAC	
H0.1	SCHEDULES
H0.2	SCHEDULES
H1.1	OVERALL FIRST FLOOR DEMOLITION PLAN
H1.1A	UNIT A - FIRST FLOOR DEMOLITION PLAN
H1.1B	UNIT B - FIRST FLOOR DEMOLITION PLAN
H1.1C	UNIT C - FIRST FLOOR DEMOLITION PLAN
H1.1F	UNIT F - FIRST FLOOR DEMOLITION PLAN
H1.2	OVERALL SECOND FLOOR DEMOLITION PLAN
H1.2A	UNIT A - SECOND FLOOR DEMOLITION PLAN
H1.2B	UNIT B - SECOND FLOOR DEMOLITION PLAN
H1.2F	UNIT F - SECOND FLOOR DEMOLITION PLAN
H1.2G	UNIT G - SECOND FLOOR DEMOLITION PLAN
H1.3	OVERALL ROOF DEMOLITION PLAN
H2.1	OVERALL FIRST FLOOR PLAN
H2.1A	UNIT A - FIRST FLOOR DUCTWORK PLAN
H2.1B	UNIT B - FIRST FLOOR DUCTWORK PLAN
H2.1C	UNIT C - FIRST FLOOR DUCTWORK PLAN
H2.1F	UNIT F - FIRST FLOOR DUCTWORK PLAN
H2.2	OVERALL SECOND FLOOR PLAN
H2.2A	UNIT A - SECOND FLOOR DUCTWORK PLAN
H2.2B	UNIT B - SECOND FLOOR DUCTWORK PLAN
H2.2C	UNIT C - SECOND FLOOR DUCTWORK PLAN
H2.2F	UNIT F - SECOND FLOOR DUCTWORK PLAN
H2.2G	UNIT G - SECOND FLOOR DUCTWORK PLAN
H2.3	OVERALL ROOF PLAN
H3.1A	UNIT A - FIRST FLOOR PIPING PLAN
H3.1B	UNIT B - FIRST FLOOR PIPING PLAN
H3.1C	UNIT C - FIRST FLOOR PIPING PLAN
H3.1F	UNIT F - FIRST FLOOR PIPING PLAN
H3.2A	UNIT A - SECOND FLOOR PIPING PLAN
H3.2B	UNIT B - SECOND FLOOR PIPING PLAN
H3.2F	UNIT F - SECOND FLOOR PIPING PLAN
H3.2G	UNIT G - SECOND FLOOR PIPING PLAN
H4.1	GYM MECHANICAL ROOM PLANS
H4.2	WOODS AND AUTO MECHANICAL MEZZANINE PLANS
H4.3	AUDITORIUM & AQUATICS MECHANICAL ROOM PLANS
H6.1	DETAILS
H6.2	DETAILS
ELECTRICAL	
E0.0	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.0S	SITE PLAN - ELECTRICAL DEMOLITION
E0.1B	UNIT B - FIRST FLOOR DEMO PLAN
E0.1F	UNIT F - FIRST FLOOR DEMO PLAN
E0.1G	UNIT G - FIRST FLOOR DEMO PLAN
E1.0S	SITE PLAN - ELECTRICAL
E1.1BL	UNIT B - FIRST FLOOR PLAN - LIGHTING
E1.1BP	UNIT B - FIRST FLOOR PLAN - POWER
E1.1FL	UNIT F - FIRST FLOOR PLAN - LIGHTING
E1.1FP	UNIT F - FIRST FLOOR PLAN - POWER
E1.1G	UNIT G - FIRST FLOOR PLAN - ELECTRICAL
E1.2F	UNIT F - MEZZANINE FLOOR PLANS
E2.0	ENLARGED KITCHEN PLAN
E2.1	ENLARGED KITCHEN PLAN SCHEDULE
E3.0	OVERALL FIRST FLOOR - FIRE ALARM
E3.1	FIRE ALARM DETAILS
E4.0	OVERALL SECURITY FLOOR PLANS
E4.1	OVERALL FIRST FLOOR - HVAC/ PLUMBING ELECTRICAL
E5.0	ONE LINE DIAGRAM & SCHEDULES
E5.1	DETAILS
E5.2	DETAILS
E5.3	DATA ROUTING PLANS
E5.4	DATA ROUTING DETAILS
E6.0	SHOP ELECTRICAL EQUIPMENT SCHEDULES
E6.1	LIGHTING FIXTURE SCHEDULE

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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
COVER SHEET

Sheet Number:
G0.0

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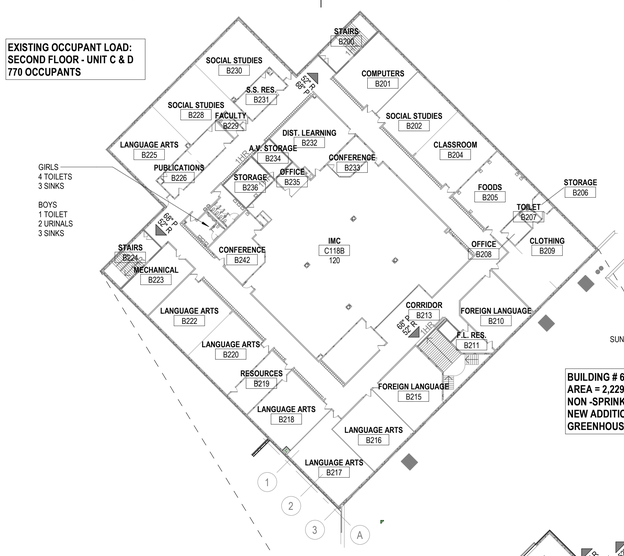
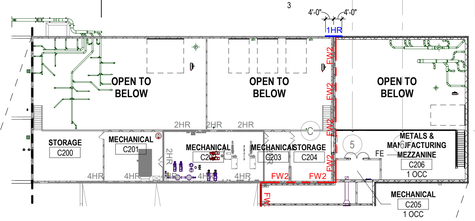


6D SECOND FLOOR - CLASSROOMS - LIFE SAFETY
G0.1 Scale: 1" = 30'-0"

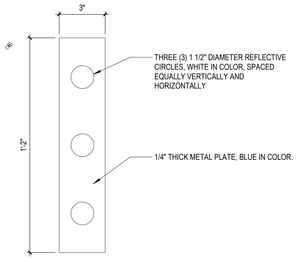


3D MEZZANINE - TECH ED - LIFE SAFETY
G0.1 Scale: 1" = 30'-0"

6A FIRST FLOOR PLAN - LIFE SAFETY
G0.1 Scale: 1" = 30'-0"

3A SECOND FLOOR - GYM - LIFE SAFETY
G0.1 Scale: 1" = 30'-0"

2A EXTERIOR FIRE WALL SIGN
G0.1 Scale: 3" = 1'-0"



FIRE RESISTIVE & CODE REVIEW LEGEND

NOTE: THIS SHEET TO BE PRINTED IN COLOR - EXISTING RATED WALL SHOWN IN GRAYSCALE

X X X	SMOKE TIGHT PARTITION TO DECK	SE1 SE1 SE1	SHAFT ENCLOSURE 1 HOUR
CX CX CX	SMOKE TIGHT PARTITION TO INTERSTITIAL CEILING	SE2 SE2 SE2	SHAFT ENCLOSURE 2 HOUR
PX PX PX	SMOKE TIGHT PARTITION TO PLENUM CEILING	SE3 SE3 SE3	SHAFT ENCLOSURE 3 HOUR
		SE4 SE4 SE4	SHAFT ENCLOSURE 4 HOUR
FP0.5 FP0.5 FP0.5	FIRE PARTITION 0.5 HOUR		
FP1 FP1 FP1	FIRE PARTITION 1 HOUR	FB1 FB1 FB1	FIRE BARRIER 1 HOUR
2HR 2HR 2HR	RATED CONSTRUCTION 2 HOUR	FB2 FB2 FB2	FIRE BARRIER 2 HOUR
	WORK IN EXISTING BUILDING - LEVEL 1	FB3 FB3 FB3	FIRE BARRIER 3 HOUR
	WORK IN EXISTING BUILDING - LEVEL 2	FB4 FB4 FB4	FIRE BARRIER 4 HOUR
	BUILDING ADDITION	FW1 FW1 FW1	FIRE WALL 1 HOUR
		FW2 FW2 FW2	FIRE WALL 2 HOUR
ROOM NAME 101 45	ROOM NAME ROOM NUMBER ROOM OCCUPANT LOAD	FW3 FW3 FW3	FIRE WALL 3 HOUR
FE	FIRE EXTINGUISHER	FW4 FW4 FW4	FIRE WALL 4 HOUR
27" R 37" P	EGRESS DIRECTION EGRESS WIDTH REQUIRED EGRESS WIDTH PROVIDE		

EXISTING RATED PATITIONS, AS INDICATED ON ORIGINAL DRAWINGS ARE SHOWN IN GRAYSCALE.

PROJECT DATA

SITE ADDRESS:	534 S ELIZABETH ST WHITEWATER, WI 53190
COUNTY:	WALWORTH COUNTY
APPLICABLE CODES:	2021 INTERNATIONAL BUILDING CODE WISCONSIN COMMERCIAL BUILDING CODE (SPS 361-366)

BUILDING #1 (EXISTING)
PORTION OF EXISTING BUILDING ADJACENT TO NEW CONSTRUCTION BUILT IN 1993
PRIMARY OCCUPANCY = E
CONSTRUCTION TYPE = IIB
NON-SEPARATED OCCUPANCY = A-2 (CAFETERIA) PER IBC 303.1.3
NON-SEPARATED OCCUPANCY= A-3 (GYM) PER IBC 303.1.3
CONSTRUCTION TYPE = IIB
NUMBER OF STORIES = TWO STORY & MEZZANINE
NON-SPRINKLERED BUILDING

BUILDING AREA:
EXISTING 1ST FLOOR BUILDING AREA = ~55,926 SF
RENOVATED AREA = ~9,146 SF
<50% WORK AREA = LEVEL 2 ALTERATION
NO CHANGE IN OCCUPANCY
EXISTING EGRESS WIDTH MAINTAINED AT NEW DOOR OPENINGS

BUILDING #2 (NEW ADDITION) - KITCHEN/SERVERY
PRIMARY OCCUPANCY = E
CONSTRUCTION TYPE = IIB
NUMBER OF STORIES = ONE STORY
NON SPRINKLERED BUILDING

FIRE SEPARATION:
2-HR FIRE WALL - TABLE 706.4

BUILDING AREA:
MAXIMUM BUILDING HEIGHT PER TABLE 504.3 = 75' W/ SPRINKLER SYSTEM
MAXIMUM NUMBER OF STORIES PER TABLE 504.4 = 3 STORIES W/ SPRINKLER SYSTEM
ALLOWABLE AREA PER TABLE 506.2 = 43,500 SF MULTISTORY & SPRINKLERED
TOTAL ALLOWABLE BUILDING AREA = 43,500 SF
ACTUAL BUILDING AREA = 6,319 SF

BUILDING #3 (EXISTING)
PORTION OF EXISTING BUILDING ADJACENT TO NEW CONSTRUCTION BUILT IN 1993
PRIMARY OCCUPANCY = E
CONSTRUCTION TYPE = IIB
NUMBER OF STORIES = TWO STORY
NON-SPRINKLERED BUILDING

BUILDING AREA:
EXISTING 1ST FLOOR BUILDING AREA = ~78,308 SF
EXISTING 2ND FLOOR BUILDING AREA = ~33,440 SF
RENOVATED AREA = ~10,513 SF
<50% WORK AREA = LEVEL 2 ALTERATION
NO CHANGE IN OCCUPANCY
EXISTING EGRESS WIDTH MAINTAINED AT NEW DOOR OPENINGS

OCCUPANT LOAD:
PER TYPE:
STUDENT= 600 OCCUPANTS
STAFF = 60 OCCUPANTS
TOTAL OCCUPANCY = 660 OCCUPANTS

EGRESS INFO:
1005.1 - MEANS OF EGRESS SIZING
1005.3.2 OTHER EGRESS COMPONENTS. THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCHES 1 MM) PER OCCUPANT.
EGRESS DOOR WIDTH REQUIRED (IBC 1005.3.2 EX #1) = 1,149 X .15 = 172.4"
EGRESS DOOR WIDTH PROVIDED = 495"
1006.3.1 - MIN. OF (4) EXITS >1000 OCC.
1014.3 - COMMON PATH OF TRAVEL = 75' MAX
1017.2 - EXIT ACCESS TRAVEL DISTANCE = 200' MAX W/ NON-SPRINKLER
1020.1 - CORRIDOR RATING = 0 HR WITH SPRINKLER, 1 HR WHERE NON-SPRINKLERED
1020.2 - CORRIDOR WIDTH = 72" MIN SERVING >100 OCC.
IEBC 804.7 - DEAD END CORRIDOR = 35' MAX
1020.5 - DEAD END CORRIDOR = 20' MAX WITH NON-SPRINKLER, NEW BUILDINGS

BUILDING #4 - TECH ED ADDITION
PRIMARY OCCUPANCY = E
CONSTRUCTION TYPE = IIB
NUMBER OF STORIES = ONE STORY, MEZZANINE
NON-SPRINKLERED BUILDING

FIRE SEPARATION:
2-HR FIRE WALL - TABLE 706.4

BUILDING AREA:
MAXIMUM BUILDING HEIGHT PER TABLE 504.3 = 75' W/ SPRINKLER SYSTEM
MAXIMUM NUMBER OF STORIES PER TABLE 504.4 = 3 STORIES W/ SPRINKLER SYSTEM
ALLOWABLE AREA PER TABLE 506.2 = 43,500 SF MULTISTORY & SPRINKLERED
TOTAL ALLOWABLE BUILDING AREA = 43,500 SF
ACTUAL BUILDING AREA = 7,179 SF

BUILDING #5 (EXISTING)
PORTION OF EXISTING BUILDING ADJACENT TO NEW CONSTRUCTION BUILT IN 1993
PRIMARY OCCUPANCY = E
CONSTRUCTION TYPE = IIB
NUMBER OF STORIES = TWO STORY
NON-SPRINKLERED BUILDING

BUILDING AREA:
EXISTING 1ST FLOOR BUILDING AREA = ~11,881 SF

<50% WORK AREA = LEVEL 2 ALTERATION
NO CHANGE IN OCCUPANCY
EXISTING EGRESS WIDTH MAINTAINED AT NEW DOOR OPENINGS

BUILDING #6 (NEW ADDITION) - GREENHOUSE
PRIMARY OCCUPANCY = E
CONSTRUCTION TYPE = IIB
NUMBER OF STORIES = ONE STORY
NON SPRINKLERED BUILDING

FIRE SEPARATION:
2-HR FIRE WALL - TABLE 706.4

BUILDING AREA:
MAXIMUM BUILDING HEIGHT PER TABLE 504.3 = 75' W/ SPRINKLER SYSTEM
MAXIMUM NUMBER OF STORIES PER TABLE 504.4 = 3 STORIES W/ SPRINKLER SYSTEM
ALLOWABLE AREA PER TABLE 506.2 = 43,500 SF MULTISTORY & SPRINKLERED
TOTAL ALLOWABLE BUILDING AREA = 43,500 SF
ACTUAL BUILDING AREA = 2,229 SF

BUILDING #7 (EXISTING AQUATIC)
PORTION OF EXISTING BUILDING ADJACENT TO NEW CONSTRUCTION BUILT IN 1993

BUILDING AREA:
EXISTING 1ST FLOOR BUILDING AREA = ~ 32,699 SF
NO WORK IN BUILDING

SANITARY FIXTURE CALCULATIONS

SCENARIO #1: RESTROOMS FOR TYPICAL SCHOOL DAY BASED ON MAXIMUM EXPECTED STUDENT ENROLLMENT & CURRENT STAFF COUNTS* ('E' OCCUPANCY USE)
TOTAL 'E' OCCUPANTS:600 STUDENTS and 60 STAFF = 660 OCCUPANTS
330 MEN and 330 WOMEN

	WATER CLOSETS		LAVATORIES		UNISEX RESTROOMS	DRINK FOUNTAINS
FORMULA	M (1:50)	W (1:50)	M (1:50)	W (1:50)		1:100
REQUIRED	6.6	6.6	6.6	6.6	0	6.6

SCENARIO #2: RESTROOMS FOR A GYMNASIUM AND STAGE EVENT ('A-3' OCCUPANCY USE)
TOTAL 'A-3' OCCUPANTS: 1700 capacity per 1993 drawings

	WATER CLOSETS		LAVATORIES		UNISEX RESTROOMS	DRINK FOUNTAINS
FORMULA	M (1:125)	W (1:65)	M (1:200)	W (1:200)		1:500
REQUIRED	6.8	13	4.25	4.25	0	3.4

TOTAL FIXTURES PROVIDED

	WATER CLOSETS		LAVATORIES		UNISEX RESTROOMS**	DRINK FOUNTAINS
	MEN****	WOMEN	MEN	WOMEN		
PROVIDED	23 U / 16 WC	42	16	18	5**	18

*SPS 362.2902 (1) (e) ALLOWS THE REQUIRED TOILET FIXTURE COUNT TO BE BASED ON ACTUAL OCCUPANT LOAD RATHER THAN THE LOAD DETERMINED BY SQUARE FOOTAGE.

EXPECTED STUDENT ENROLLMENT: ~600 STUDENTS
CURRENT STAFF: 60 STAFF
TOTAL OCCUPANCY ~660 OCCUPANTS

SCENARIO #1 (FULL SCHOOL) AND SCENARIO #2 (GYMNASIUM EVENT) ARE NOT EXPECTED TO TAKE PLACE AT THE SAME TIME. BOTH SCENARIO #1 AND SCENARIO #2 CAN BE MEET BY PROVIDED FIXTURES.

** UNISEX TOILETS CAN BE USED TOWARD MENS OR WOMENS REQUIRED FIXTURE TOTAL (MEN'S AND WOMEN'S TOTAL FIXTURES SHOWN ABOVE DO NOT INCLUDE ANY UNISEX FIXTURES)

*** (e) WALL MOUNTED DRINK FOUNTAINS AND (e) DRINK FOUNTAINS PROVIDED AT CLASSROOM SINKS

**** SPS 362.2902 - 66% OF WATER CLOSETS (WC) CAN BE URINALS (U) IN BOTH 'E' AND 'A' OCCUPANCIES

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
CODE REVIEW

Sheet Number:
G0.1

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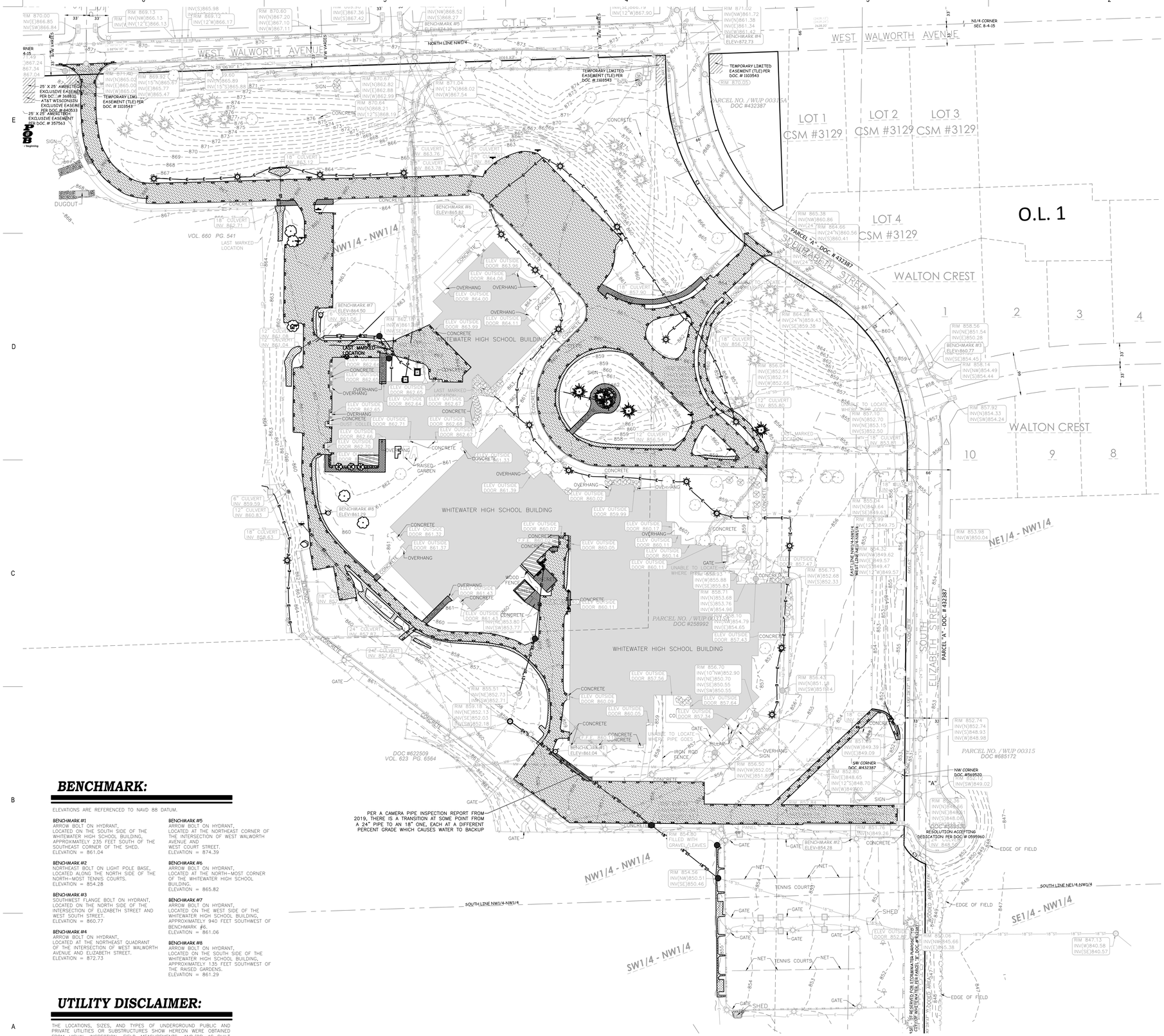

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
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- CONCRETE REMOVAL (INCL. BASE MATERIAL)
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C1.1 NORTHWEST DEMOLITION PLAN
C1.2 NORTHEAST DEMOLITION PLAN
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C1.4 SOUTHEAST DEMOLITION PLAN
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C5.0 OVERALL UTILITY PLAN
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C6.0 DETAILS
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L1.0 LANDSCAPE PLAN

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

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ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
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ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
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ISSUANCES + REVISIONS:

Δ	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL DEMOLITION PLAN

Sheet Number:
C1.0

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CONSTRUCTION DOCUMENTS
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Project Number:
3705

Sheet Title:
NORTHWEST DEMOLITION PLAN

Sheet Number:
C1.1

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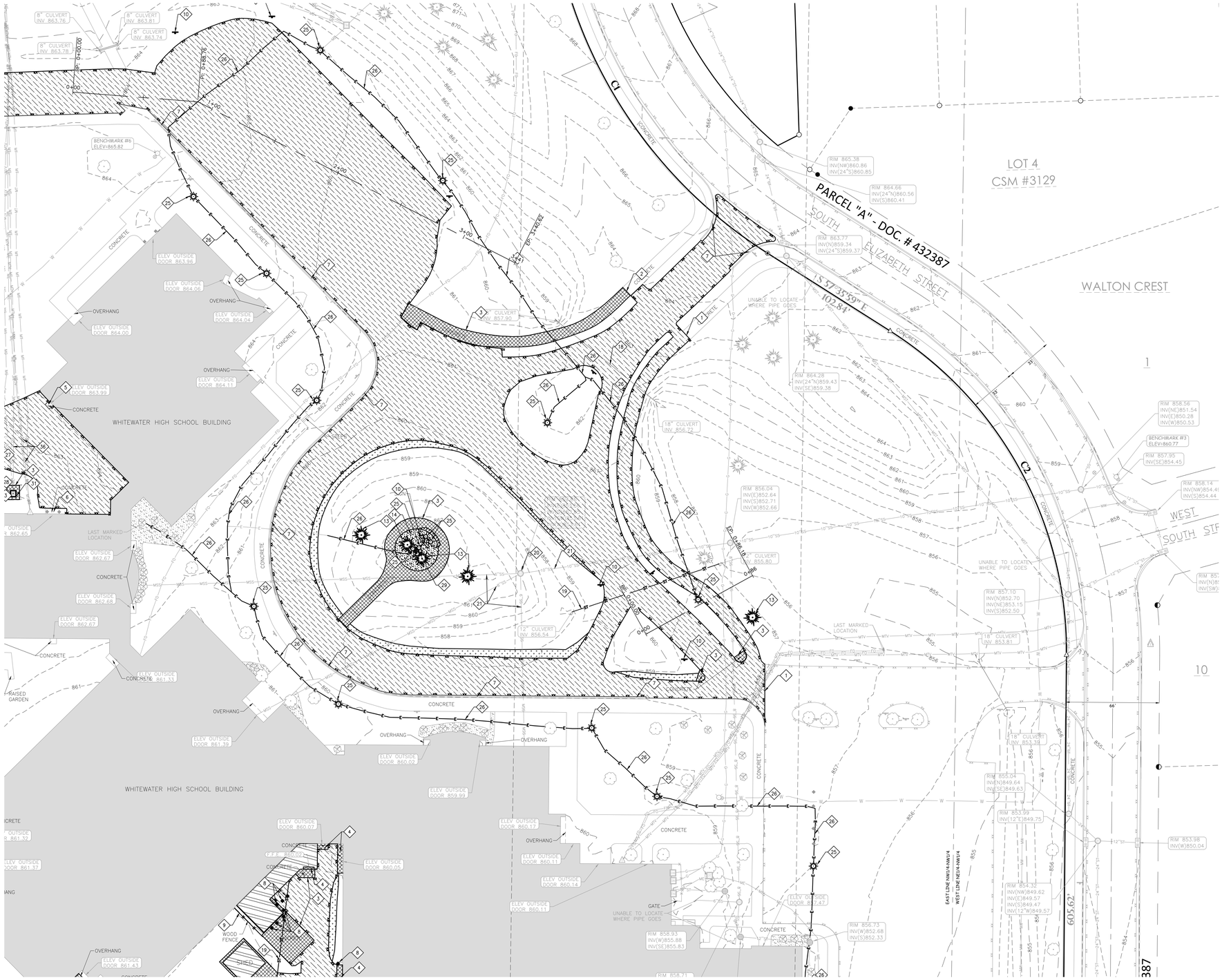

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Sheet Title:
NORTHEAST DEMOLITION PLAN

Sheet Number:
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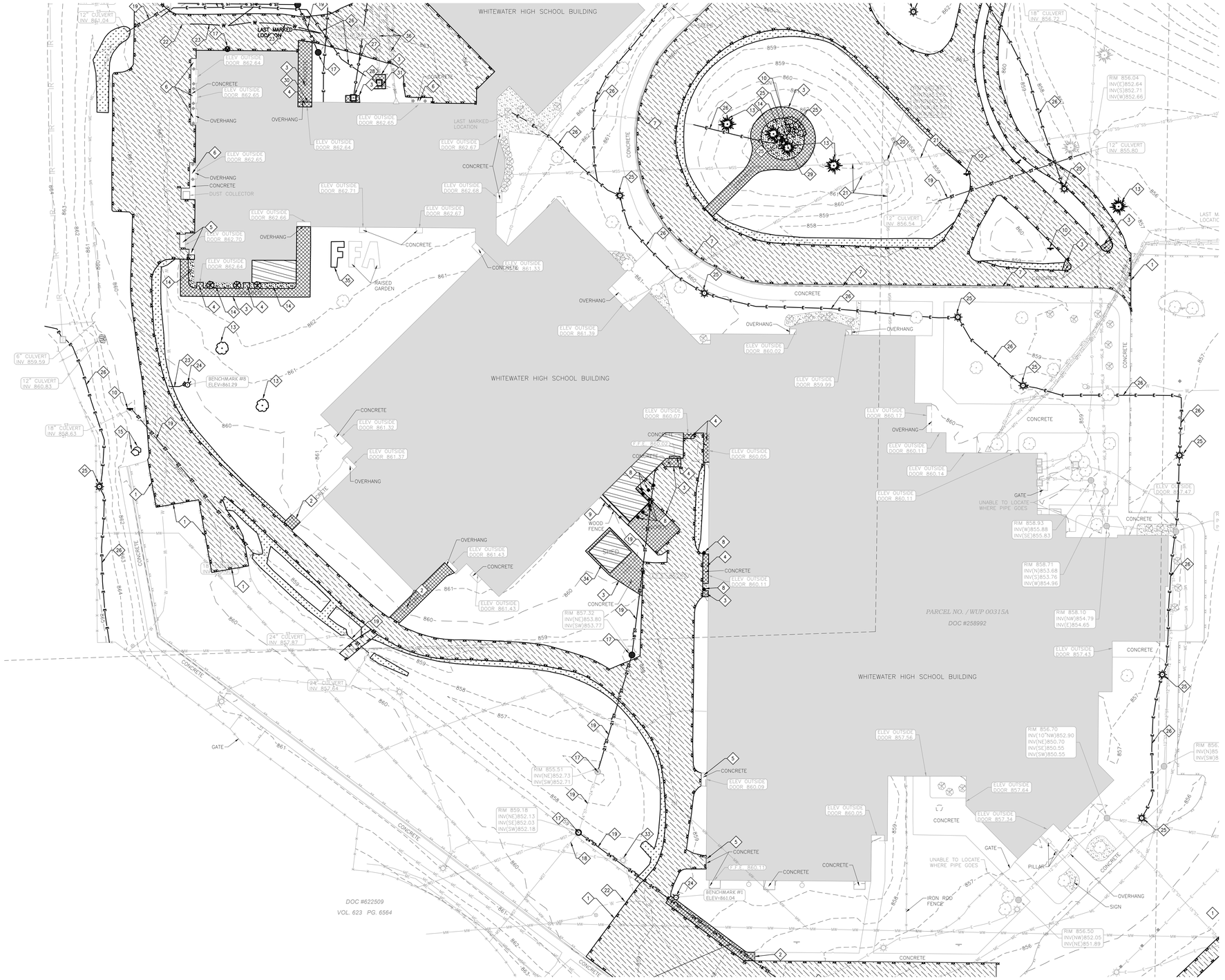

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4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH NEIGHBORING PROPERTY OWNERS.

KEYNOTES:

1. SAWCUT EXISTING ASPHALT PAVEMENT
2. SAWCUT EXISTING CONCRETE PAVEMENT
3. REMOVE EXISTING CONCRETE PAVEMENT
4. REMOVE EXISTING CONCRETE STOOP
5. MAINTAIN EXISTING CONCRETE STOOP
6. MAINTAIN EXISTING CONCRETE APRON
7. MAINTAIN EXISTING CONCRETE CURBING
8. REMOVE EXISTING BOLLARDS
9. REMOVE EXISTING FENCE
10. REMOVE/SALVAGE EXISTING SIGN
11. REMOVE & SALVAGE EXISTING BIRDHOUSE
12. MAINTAIN EXISTING TREE/VEGETATION
13. CLEAR & GRUB EXISTING TREE
14. REMOVE EXISTING LANDSCAPE AREA: TREES, SHRUBS, MULCH AND FILTER FABRIC
15. REMOVE LANDSCAPE BOULDER
16. MAINTAIN EXISTING STORM SEWER STRUCTURE
17. REMOVE EXISTING STORM SEWER STRUCTURE
18. MAINTAIN EXISTING STORM SEWER PIPE
19. REMOVE EXISTING STORM SEWER PIPE
20. ADJUST RIM OF EXISTING SANITARY SEWER STRUCTURE (SEE SHEETS C3.0–C3.4 FOR PROPOSED GRADES)
21. MAINTAIN EXISTING SANITARY SEWER PIPE
22. MAINTAIN EXISTING WATER SERVICE
23. REMOVE EXISTING WATER SERVICE
24. RELOCATE EXISTING HYDRANT/VALVE (SEE UTILITY PLAN)
25. REMOVE/RELOCATE EXISTING LIGHT/LIGHT POLE (SEE ELECTRICAL FOR RELOCATION)
26. REMOVE/RELOCATE EXISTING ELECTRICAL LINE (SEE ELECTRICAL FOR RELOCATION)
27. REMOVE/RELOCATE EXISTING GAS LINE (COORDINATE W/ UTILITIES)
28. REMOVE/RELOCATE EXISTING GAS METER (COORDINATE W/ UTILITIES)
29. REMOVE & SALVAGE EXISTING FLAG POLE
30. REMOVE EXISTING BUILDING CANOPY
31. REMOVE/RELOCATE EXISTING TRANSFORMER (COORDINATE W/ UTILITIES)
32. DETACH STORM FROM EXISTING MANHOLES. ABANDON EXISTING STORM IN PLACE. CAP BOTH ENDS AND FILL ENTIRE PIPE W/ SLURRY.
33. MAINTAIN EXISTING LIGHT POLE (ADJUST GRADES AROUND BASE PER GRADING PLAN)
34. RELOCATE EXISTING SHED. SEE SHEET C2.3 FOR PROPOSED SHED LOCATION.
35. REMOVE & SALVAGE EXISTING GARDEN BED
36. ADJUST DEPTHS OF EXISITNG UTILITIES. (SEE SHEET C3.1 FOR PROPOSED GRADE)

DEMOLITION HATCH PATTERNS:

BITUMINOUS REMOVAL (INCL. BASE MATERIAL)

CONCRETE REMOVAL (INCL. BASE MATERIAL)

GRAVEL REMOVAL

BUILDING REMOVAL

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS–BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS–BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS–BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

N

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Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

Δ	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHWEST DEMOLITION PLAN

Sheet Number:
C1.3

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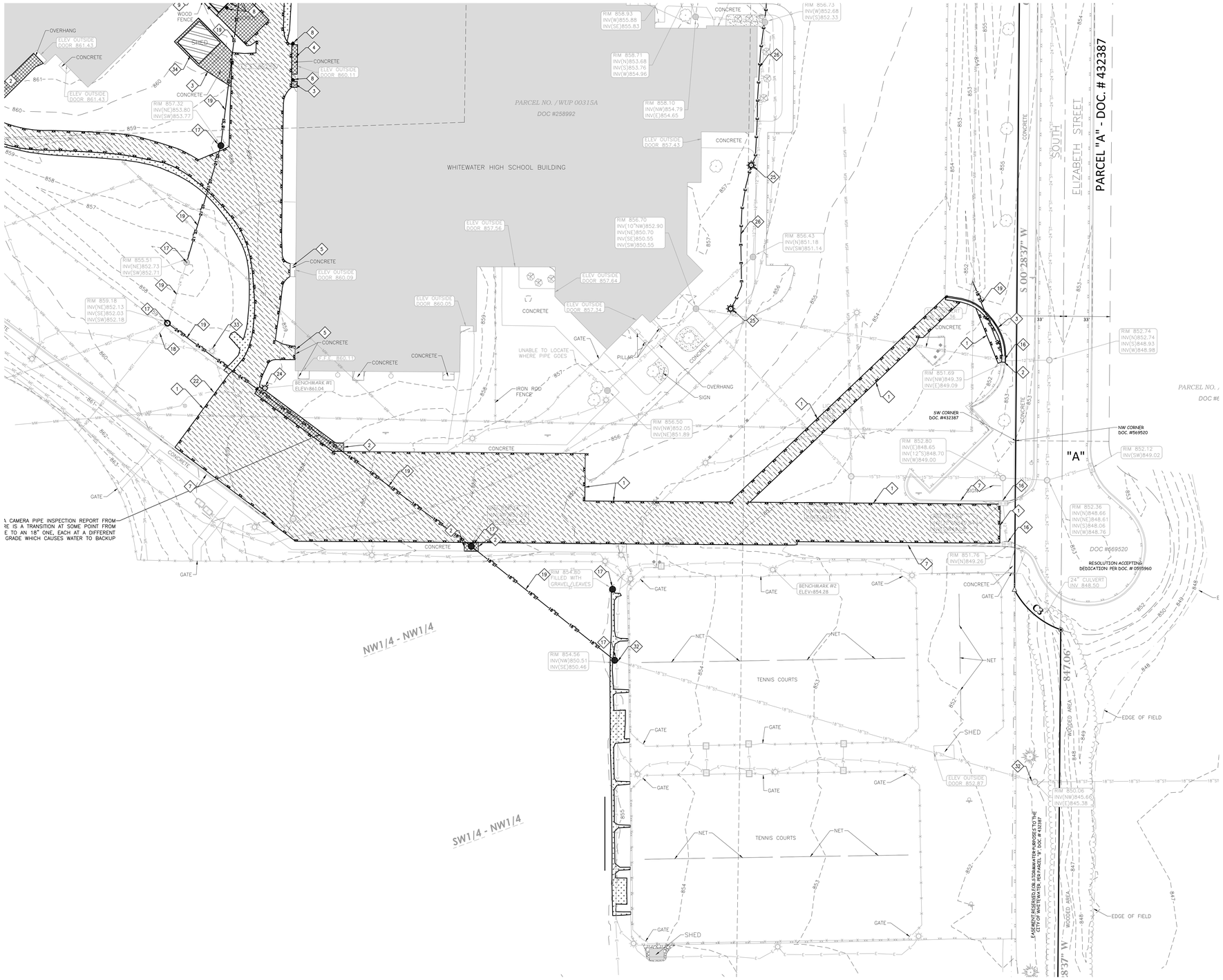

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1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
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18. MAINTAIN EXISTING STORM SEWER PIPE
19. REMOVE EXISTING STORM SEWER PIPE
20. ADJUST RIM OF EXISTING SANITARY SEWER STRUCTURE (SEE SHEETS C3.0–C3.4 FOR PROPOSED GRADES)
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DEMOLITION HATCH PATTERNS:

BITUMINOUS REMOVAL (INCL. BASE MATERIAL)

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

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ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

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Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB Point of Beginning

Project Title:
ADDITION AND RENOVATION
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534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

Δ	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHEAST DEMOLITION PLAN

Sheet Number:
C1.4

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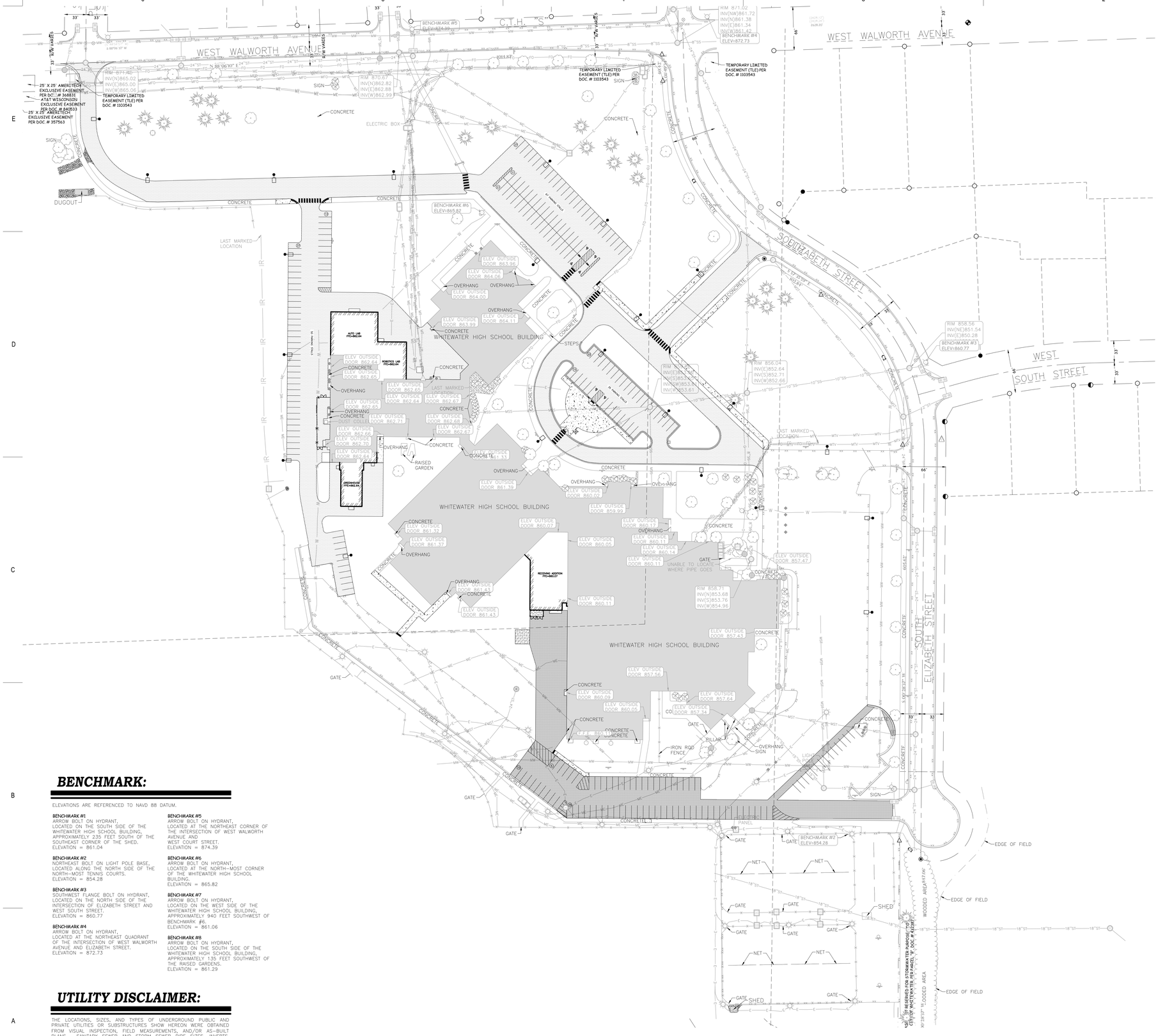
WEST WALWORTH AVENUE
SOUTH ELIZABETH STREET
WEST SOUTH STREET
WHITEWATER HIGH SCHOOL BUILDING
CONCRETE
OVERHANG
ELEV OUTSIDE DOOR
GATE
SIGN
ELECTRIC BOX
DUGOUT
STEPS
RAISED GARDEN
BENCHMARK #1 ELEV=861.04
BENCHMARK #2 ELEV=854.28
BENCHMARK #3 ELEV=860.77
BENCHMARK #4 ELEV=872.73
BENCHMARK #5 ELEV=874.39
BENCHMARK #6 ELEV=865.82
BENCHMARK #7 ELEV=861.06
BENCHMARK #8 ELEV=861.29
TEMPORARY LIMITED EASEMENT (TLE) PER DOC. # 1035543
25' X 25' AMERITECH EXCLUSIVE EASEMENT PER DOC. # 366831
AT&T WISCONSIN EXCLUSIVE EASEMENT PER DOC. # 840533
25' X 25' AMERITECH EXCLUSIVE EASEMENT PER DOC. # 357563
LAST MARKED LOCATION
UNABLE TO LOCATE WHERE PIPE GOES
EDGE OF FIELD
WOODED AREA
SHED
NET
PANEL
PILLAR
IRON ROD FENCE
OVERHANG SIGN
LIGHT POLE
CONCRETE PAD
RECEIVING ADDITION FFE=860.07
GREENHOUSE FFE=862.84
AUTO. LAB FFE=862.64
WOODS. LAB FFE=862.64
DUST COLLECTOR
RIM 871.02
INV(NW)861.72
INV(N)861.38
INV(E)861.34
INV(W)861.42
RIM 871.67
INV(N)865.02
INV(E)865.00
INV(W)865.06
RIM 870.67
INV(N)862.82
INV(E)862.88
INV(W)862.99
RIM 858.56
INV(NE)851.54
INV(E)850.28
RIM 856.04
INV(E)852.64
INV(S)852.71
INV(W)852.66
RIM 858.71
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INV(W)854.96
RIM 856.04
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INV(W)853.63
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INV(E)852.22
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INV(W)852.26
RIM 858.71
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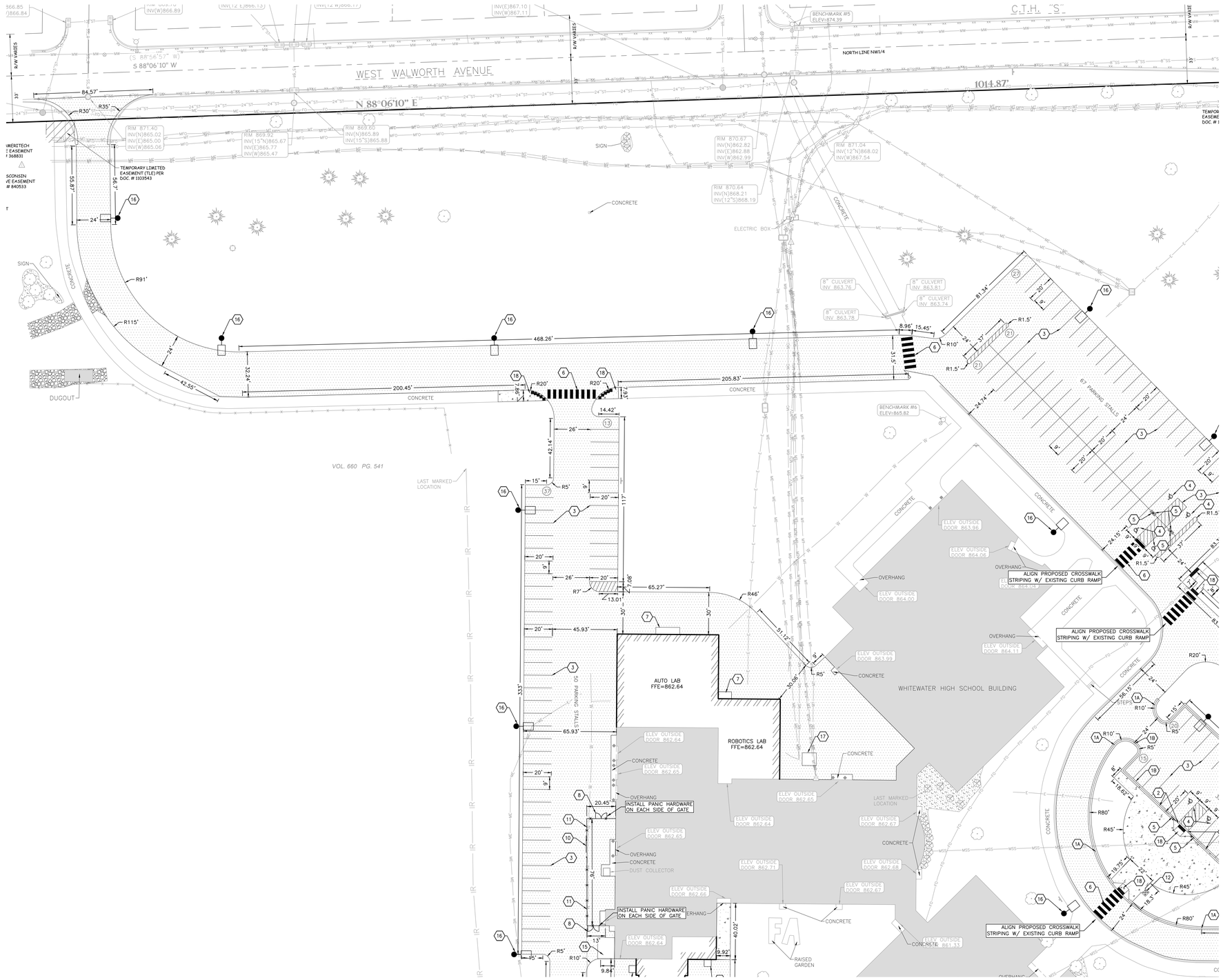
INV(S)853.26
INV(W)853.22



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEETS C4.0–C4.4 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.

KEYNOTES:

1. 18" CONCRETE CURB & GUTTER
   A. STANDARD
   B. REJECT
2. 6" CURB TAPER SECTION
3. PARKING LOT STRIPING
4. HANDICAP PARKING STALL
5. HANDICAP PARKING SIGN
6. CROSSWALK STRIPING
7. CONCRETE STOOP (SEE ARCHITECTURAL)
8. 8' WIDE DOUBLE SWING GATE
9. 10'x21' REINFORCED CONCRETE PAD
10. 12' WIDE ROLLER GATE
11. 6' TALL CHAIN LINK FENCE W/ PRIVACY SLATS
12. FLAG POLE
13. CONCRETE BOLLARD (SEE ARCHITECTURAL)
14. CONCRETE SHED PAD (VERIFY PAD SIZE TO BE 1 FOOT LARGER ON ALL SIDES THAN SHED)
15. CONCRETE PAD FOR DUST COLLECTOR (COORDINATE EXACT SIZE/LOCATION W/MECHANICAL CONTRACTOR)
16. LIGHT POLE (SEE ELCTRICAL)
17. CONCRETE TRANSFORMER PAD (COORDINATE EXACT SIZE/LOCATION W/ELECTRICAL CONTRACTOR)
18. ACCESSIBLE CURB RAMP — 1 / C2.1

PAVEMENT HATCH PATTERNS:

- PROPOSED STANDARD ASPHALT PAVEMENT — 1 / C6.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT — 1 / C6.0
- PROPOSED STANDARD CONCRETE PAVEMENT — 2 / C6.0
- PROPOSED REINFORCED CONCRETE PAVEMENT — 2 / C6.0

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ELEVATION = 854.28

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ELEVATION = 874.39

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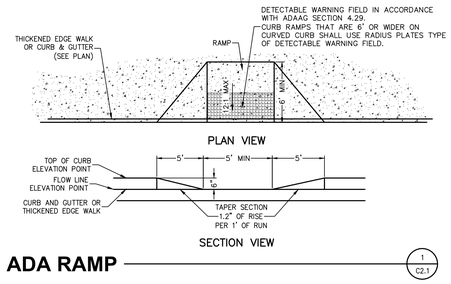
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29



ADA RAMP — 1 / C2.1

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

△	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTHWEST LAYOUT PLAN

Sheet Number:
C2.1

0' 30' 60'
1" = 30'

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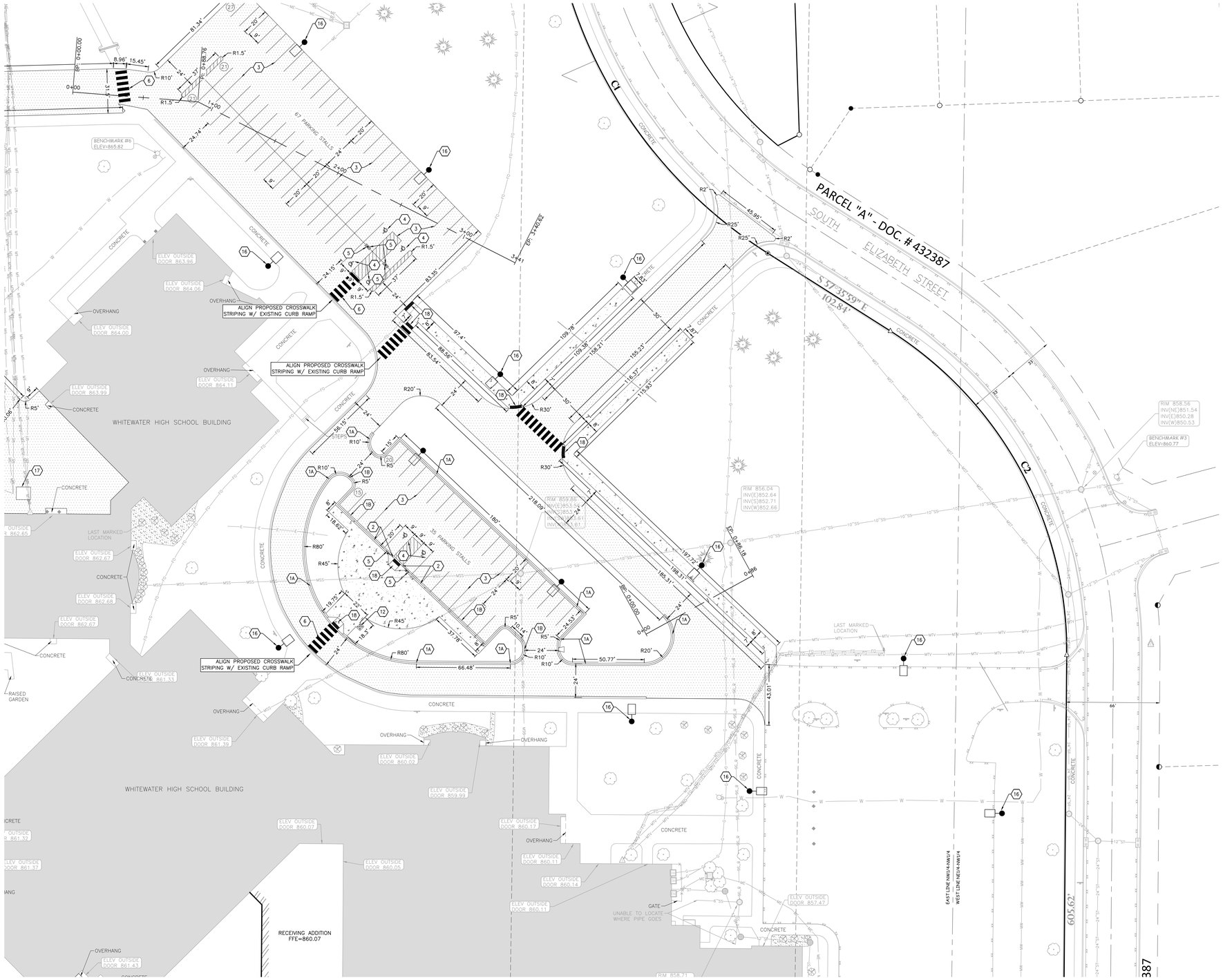

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KEYNOTES:

1. 18" CONCRETE CURB & GUTTER
   A. STANDARD
   B. REJECT
2. 6" CURB TAPER SECTION
3. PARKING LOT STRIPING — 4 / C6.0
4. HANDICAP PARKING STALL — 4 / C6.0
5. HANDICAP PARKING SIGN — 5 / C6.0
6. CROSSWALK STRIPING — 6 / C6.0
7. CONCRETE STOOP (SEE ARCHITECTURAL)
8. 8' WIDE DOUBLE SWING GATE — 11 / C6.0
9. 10'x21' REINFORCED CONCRETE PAD — 2 / C6.0
10. 12' WIDE ROLLER GATE — 7,8 / C6.0
11. 6' TALL CHAIN LINK FENCE W/ PRIVACY SLATS — 7,8,9 / C6.0
12. FLAG POLE — 12 / C6.0
13. CONCRETE BOLLARD (SEE ARCHITECTURAL)
14. CONCRETE SHED PAD (VERIFY PAD SIZE TO BE 1 FOOT LARGER ON ALL SIDES THAN SHED)
15. CONCRETE PAD FOR DUST COLLECTOR (COORDINATE EXACT SIZE/LOCATION W/MECHANICAL CONTRACTOR)
16. LIGHT POLE (SEE ELCTRICAL)
17. CONCRETE TRANSFORMER PAD (COORDINATE EXACT SIZE/LOCATION W/ELECTRICAL CONTRACTOR)
18. ACCESSIBLE CURB RAMP — 1 / C2.1

PAVEMENT HATCH PATTERNS:

- PROPOSED STANDARD ASPHALT PAVEMENT — 1 / C6.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT — 1 / C6.0
- PROPOSED STANDARD CONCRETE PAVEMENT — 2 / C6.0
- PROPOSED REINFORCED CONCRETE PAVEMENT — 2 / C6.0

UTILITY DISCLAIMER:

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
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NORTHEAST LAYOUT PLAN

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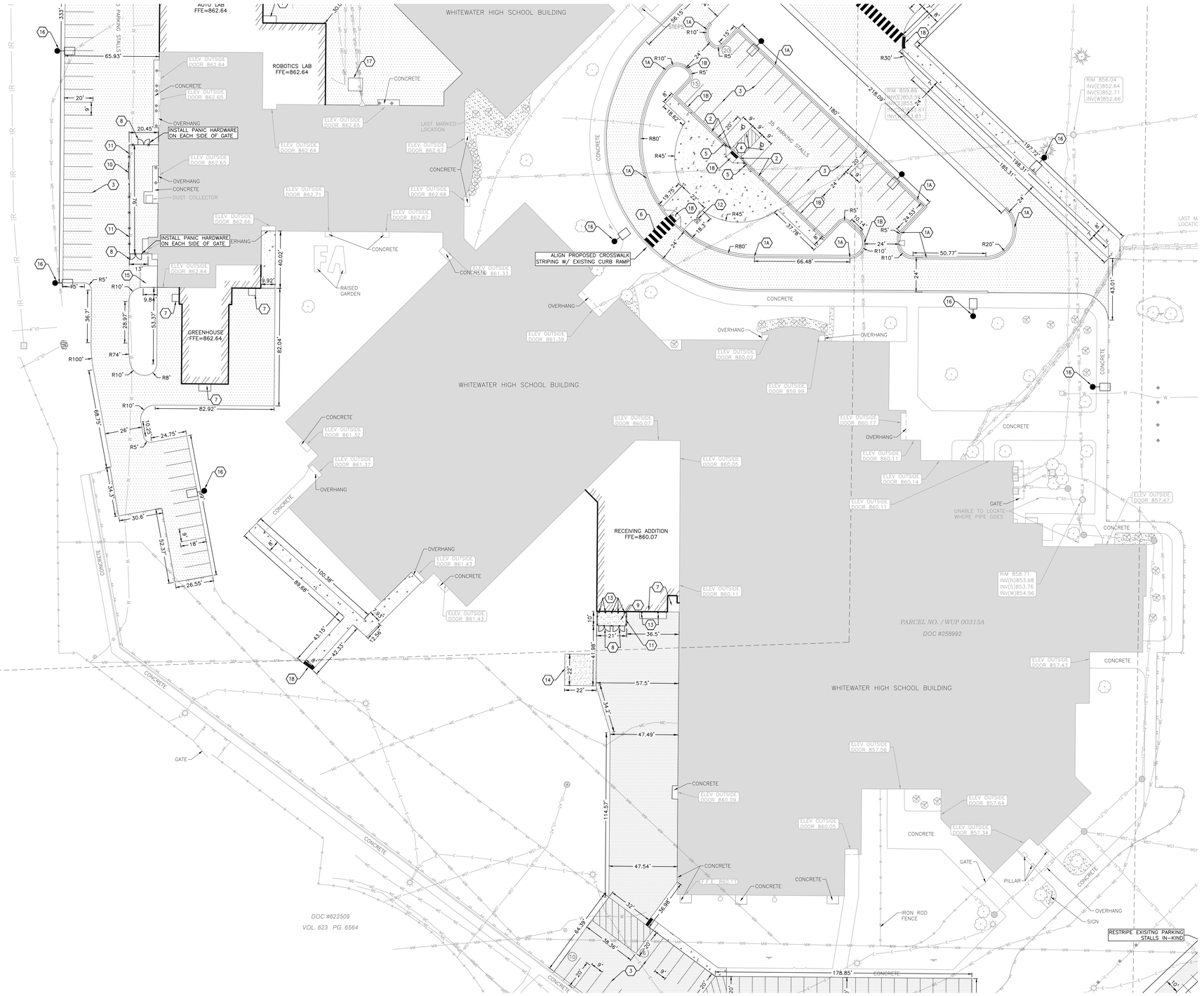

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KEYNOTES:

XX

1. 18" CONCRETE CURB & GUTTER (3 C6.0)
   A. STANDARD
   B. REJECT
2. 6" CURB TAPER SECTION
3. PARKING LOT STRIPING (4 C6.0)
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9. 10'x21' REINFORCED CONCRETE PAD (2 C6.0)
10. 12' WIDE ROLLER GATE (7,8 C6.0)
11. 6' TALL CHAIN LINK FENCE W/ PRIVACY SLATS (7,8,9 C6.0)
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18. ACCESSIBLE CURB RAMP (1 C2.1)

PAVEMENT HATCH PATTERNS:

- PROPOSED STANDARD ASPHALT PAVEMENT (1 C6.0)
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ELEVATION = 865.82

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Sheet Title:
SOUTHWEST LAYOUT PLAN

Sheet Number:
C2.3

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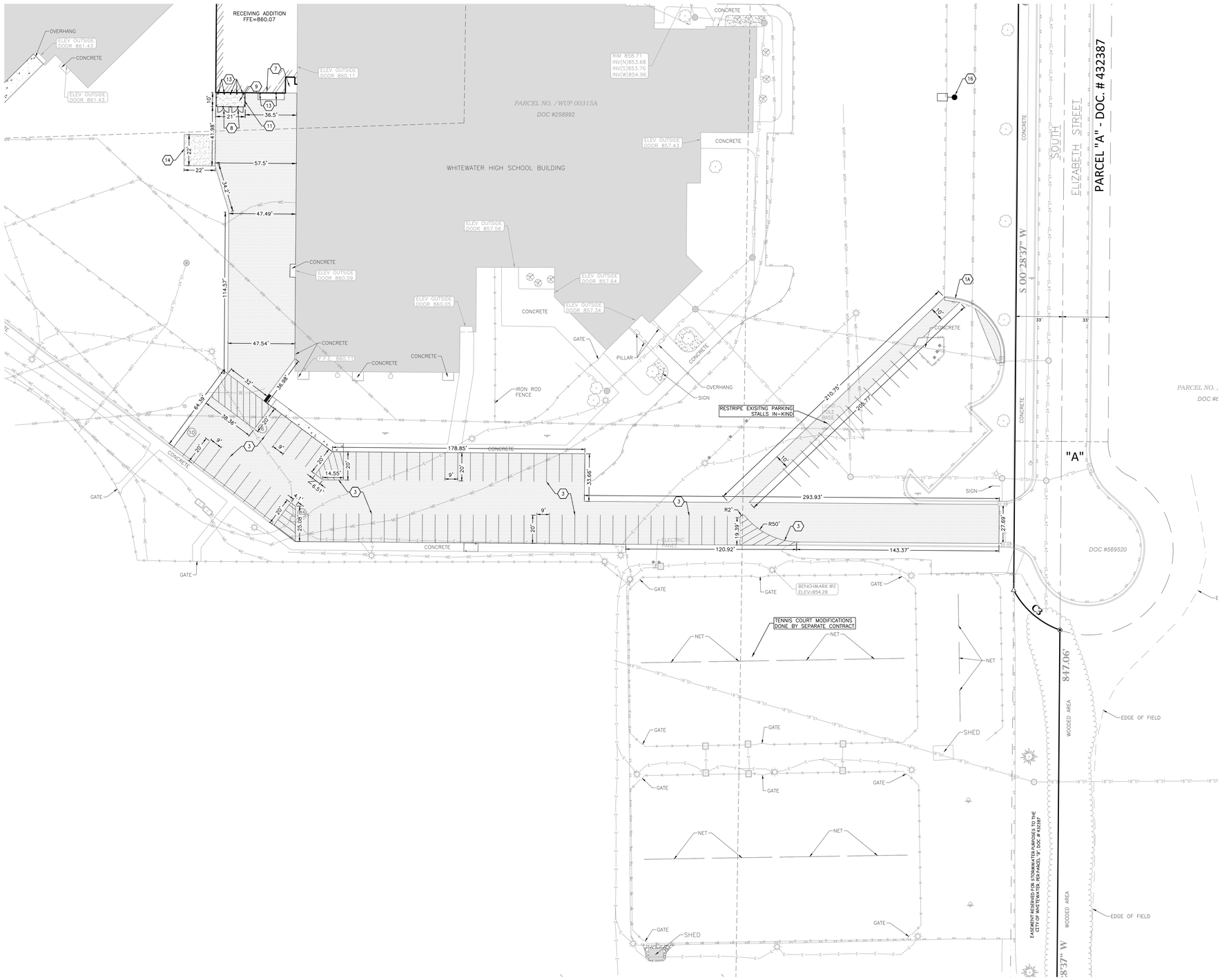
Item 4.



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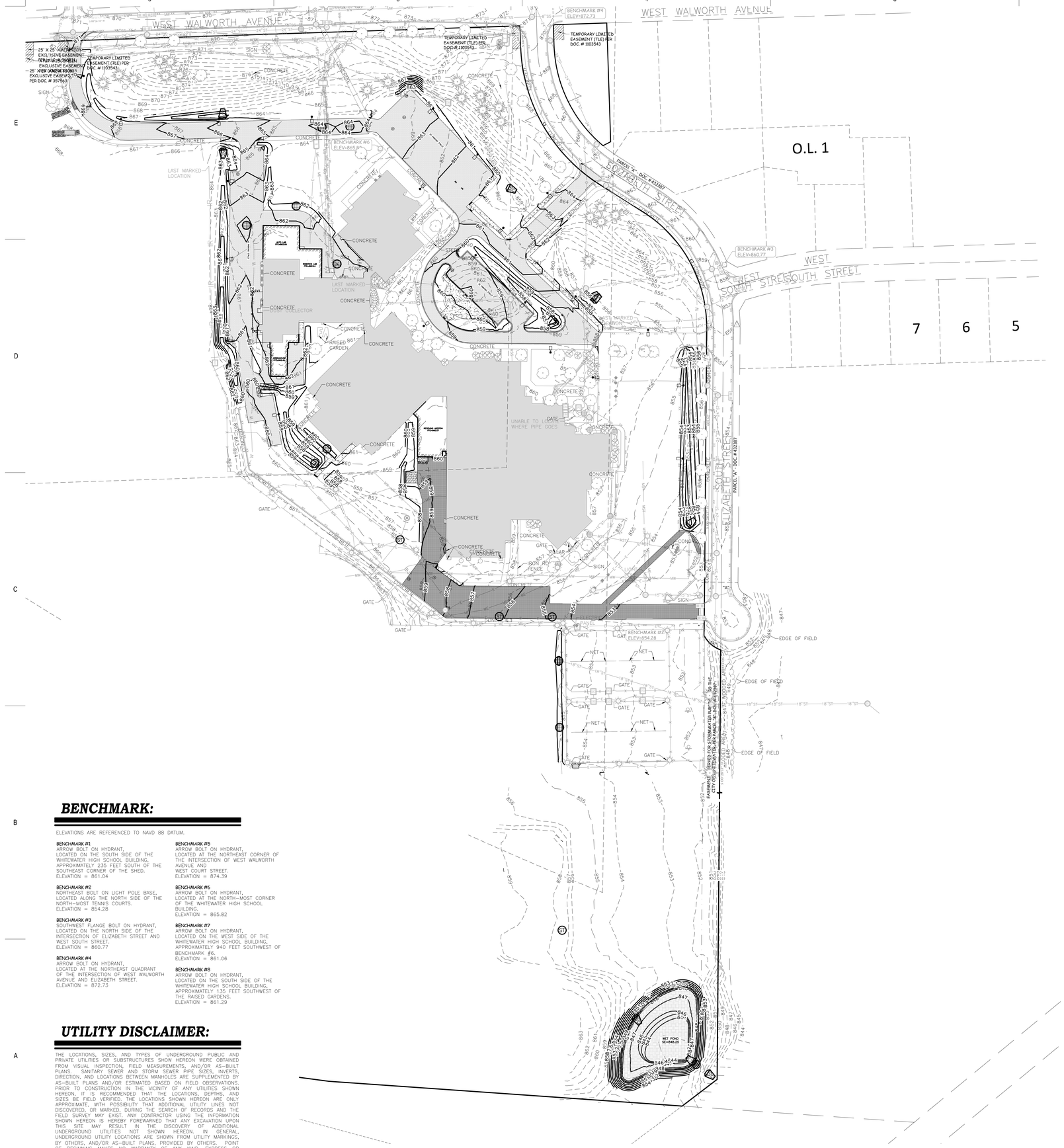

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. THE PROPOSED SITE PLAN FINISH FLOOR ELEVATION NOTED ON THE PLAN EQUALS THE PROPOSED BUILDING ARCHITECTURAL FINISH FLOOR ELEVATION OF 100.00'.
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4. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
5. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
6. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SEE SHEETS C4.0–C4.4 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
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9. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
10. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
11. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
12. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER. COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
13. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
14. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
15. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
16. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
17. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
18. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.
19. INSTALL PROPOSED ATHLETIC FIELDS IN FULL COMPLIANCE WITH NATIONAL FEDERATION OF HIGH SCHOOLS (NFHS) RULES AND AMERICAN SPORTS BUILDERS ASSOCIATION (ASBA) CONSTRUCTION GUIDELINES. CONTACT CIVIL ENGINEER WITH ANY QUESTIONS.

GRADING LEGEND:

EXISTING CONTOUR	— — — 712 — — —
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.26
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED RIM ELEVATION	RIM=893.56
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
PROPOSED TOP OF BERM ELEVATION	TB=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	10 / C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 / C6.1
PROPOSED STORM SEWER MANHOLE	S 11 / C6.1
PROPOSED STORM SEWER INLET	11 / C6.1
PROPOSED WET POND	1 / C6.1

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

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0' 80' 160'
1" = 80'

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

#	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL GRADING PLAN

Sheet Number:
C3.0

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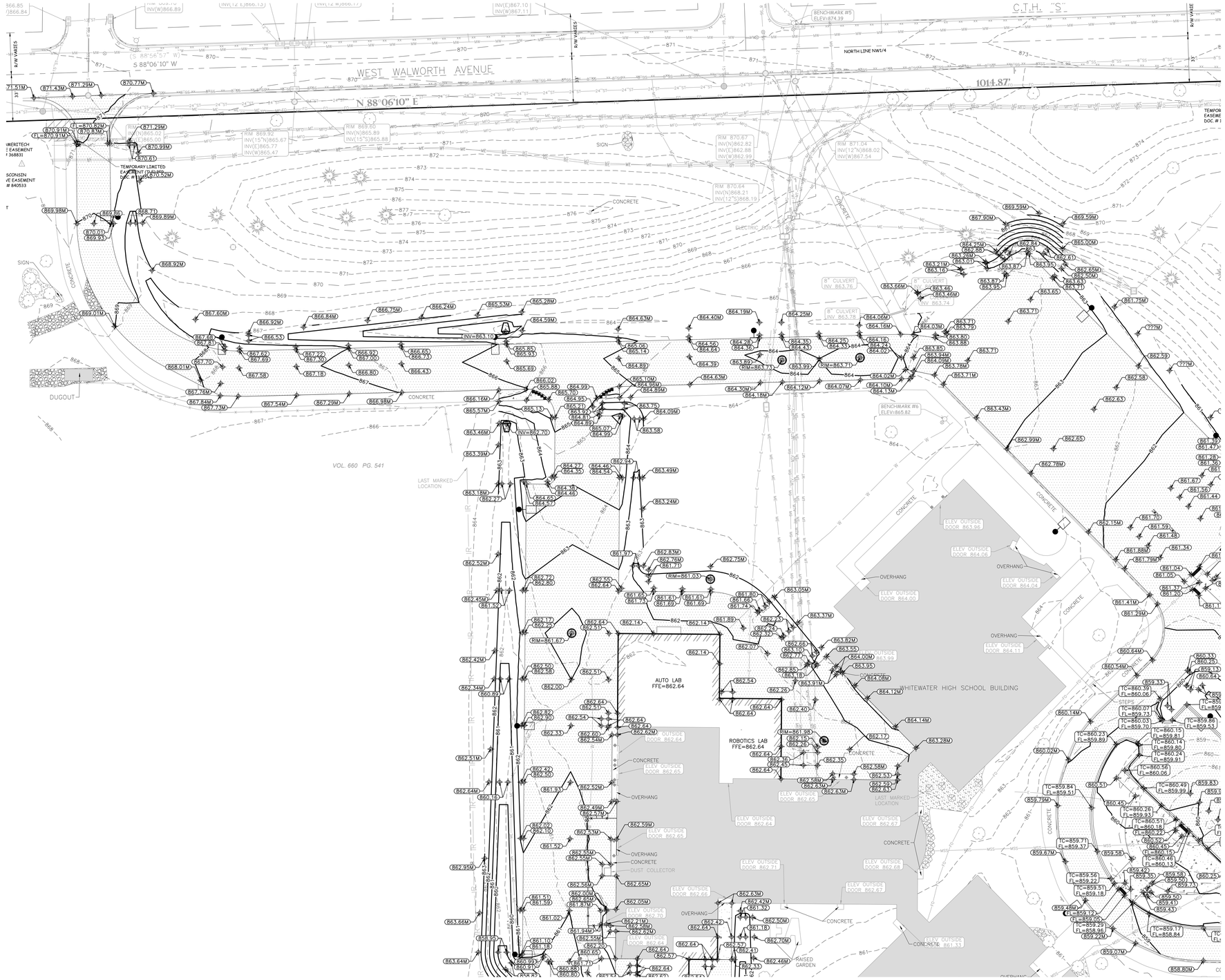

GENERAL NOTES:

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GRADING LEGEND:

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PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.26
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED RIM ELEVATION	RIM=893.56
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
PROPOSED TOP OF BERM ELEVATION	TB=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	10 C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 C6.1
PROPOSED STORM SEWER MANHOLE	S1 11 C6.1
PROPOSED STORM SEWER INLET	11 C6.1
PROPOSED WET POND	1 C6.1

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ELEVATION = 861.04

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ELEVATION = 854.28

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ELEVATION = 860.77

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ARROW BOLT ON HYDRANT,
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ELEVATION = 872.73

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ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
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ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

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ELEVATION = 861.29

0' 30' 60'
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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTHWEST GRADING PLAN

Sheet Number:
C3.1

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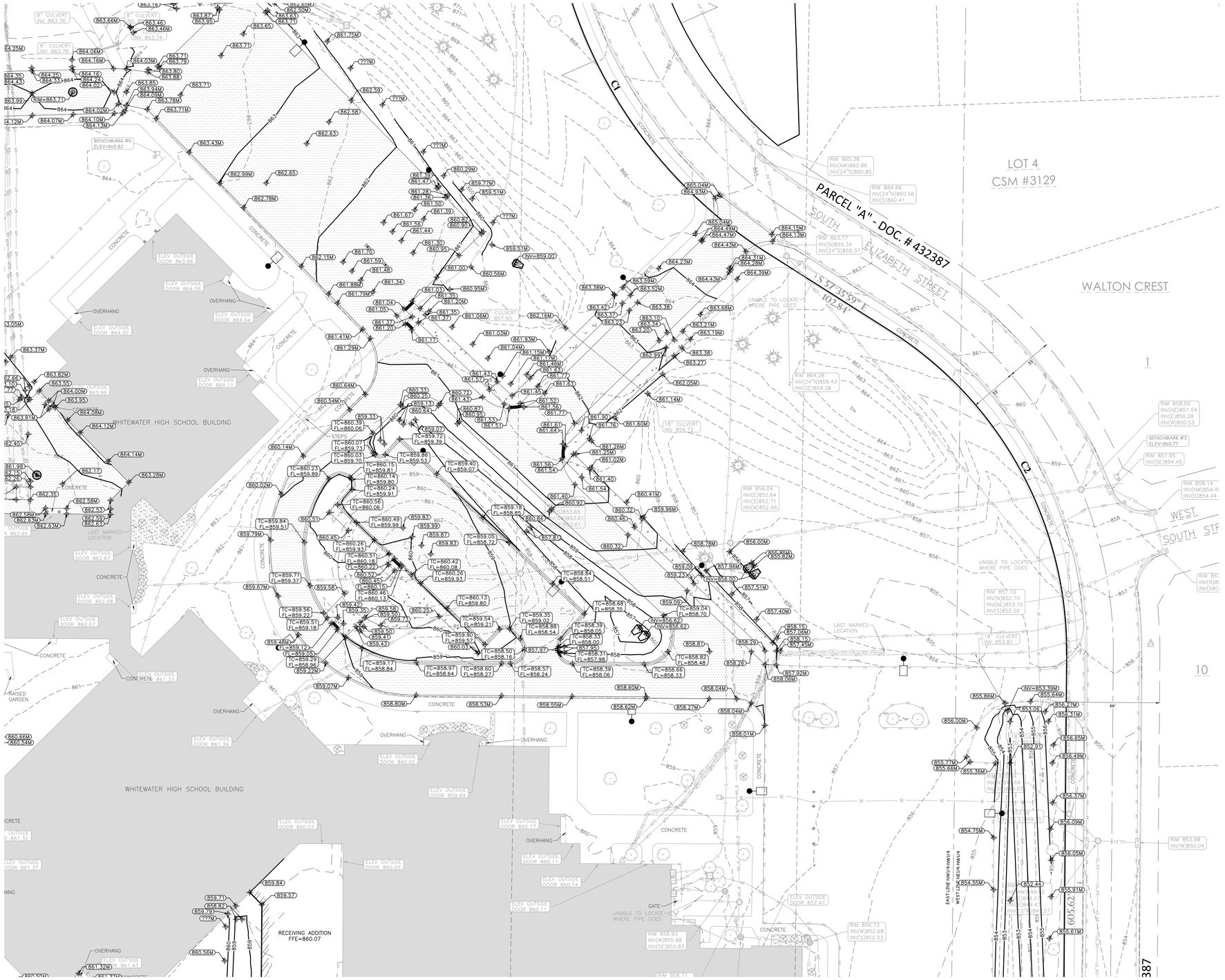

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ISSUANCES + REVISIONS:

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTHEAST GRADING PLAN

Sheet Number:
C3.2

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18. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.
19. INSTALL PROPOSED ATHLETIC FIELDS IN FULL COMPLIANCE WITH NATIONAL FEDERATION OF HIGH SCHOOLS (NFHS) RULES AND AMERICAN SPORTS BUILDERS ASSOCIATION (ASBA) CONSTRUCTION GUIDELINES. CONTACT CIVIL ENGINEER WITH ANY QUESTIONS.

GRADING LEGEND:

EXISTING CONTOUR	— — — 712 — — —
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.26
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED RIM ELEVATION	RIM=894.56
PROPOSED TOP OF CURB ELEVATION	TC=894.56
PROPOSED FLOW LINE ELEVATION	FL=894.56
PROPOSED TOP OF BERM ELEVATION	TB=894.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	10 C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 C6.1
PROPOSED STORM SEWER INLET	11 C6.1
PROPOSED WET POND	1 C6.1

UTILITY DISCLAIMER:

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

N

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHWEST GRADING PLAN

Sheet Number:
C3.3

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GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. THE PROPOSED SITE PLAN FINISH FLOOR ELEVATION NOTED ON THE PLAN EQUALS THE PROPOSED BUILDING ARCHITECTURAL FINISH FLOOR ELEVATION OF 100.00'.
3. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
4. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
5. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
6. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SEE SHEETS C4.0–C4.4 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
8. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
9. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
10. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
11. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
12. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER. COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
13. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
14. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
15. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
16. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
17. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
18. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.
19. INSTALL PROPOSED ATHLETIC FIELDS IN FULL COMPLIANCE WITH NATIONAL FEDERATION OF HIGH SCHOOLS (NFHS) RULES AND AMERICAN SPORTS BUILDERS ASSOCIATION (ASBA) CONSTRUCTION GUIDELINES. CONTACT CIVIL ENGINEER WITH ANY QUESTIONS.

GRADING LEGEND:

EXISTING CONTOUR	— — — 712 — — —
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.26
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED RIM ELEVATION	RIM=893.56
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
PROPOSED TOP OF BERM ELEVATION	TB=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	10 / C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 / C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 / C6.1
PROPOSED STORM SEWER INLET	11 / C6.1
PROPOSED WET POND	1 / C6.1

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

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12/19/2025

Project Number:
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Sheet Title:
SOUTHEAST GRADING PLAN

Sheet Number:
C3.4

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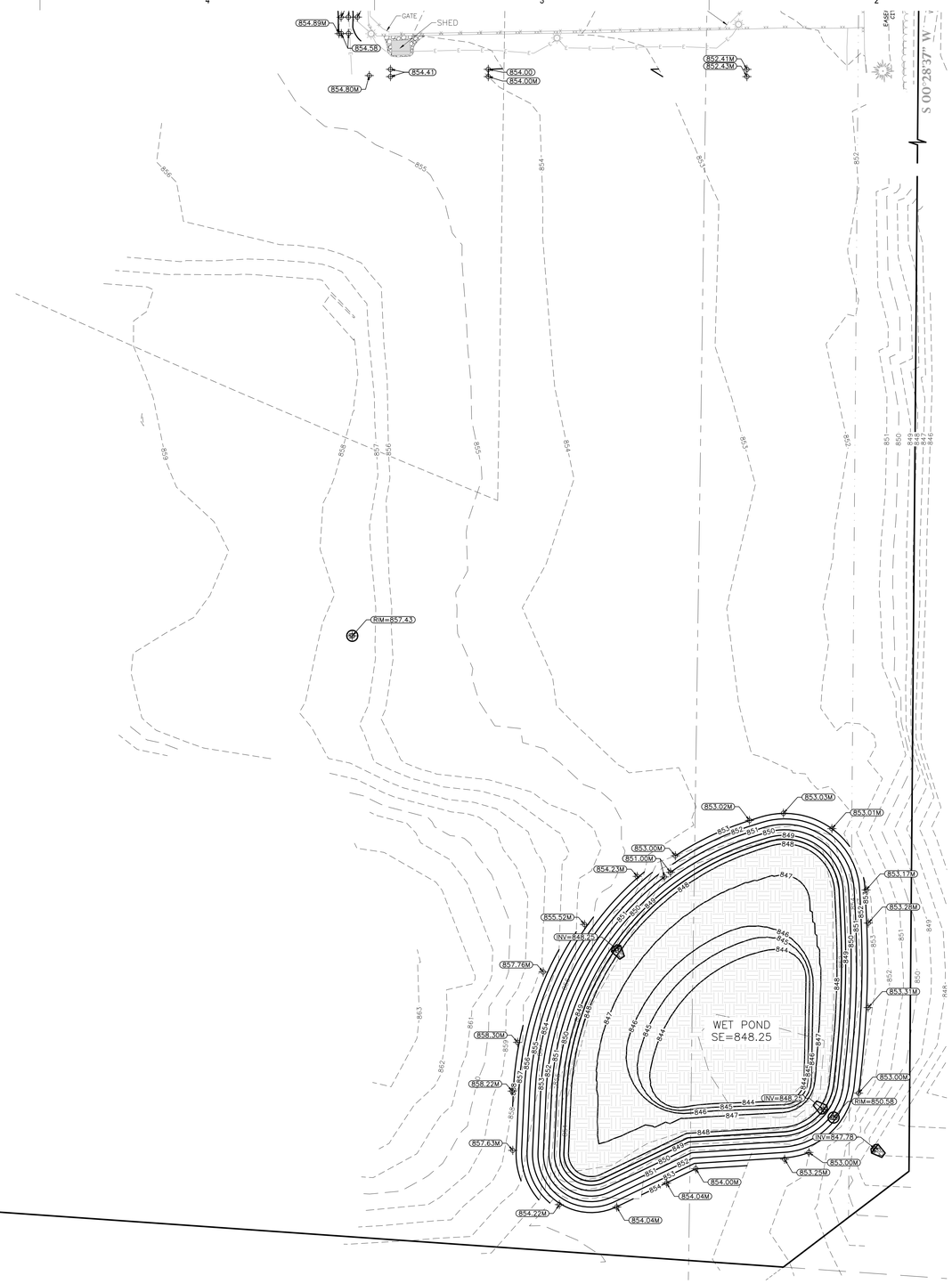

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GRADING LEGEND:

EXISTING CONTOUR	— — — 712 — — —
PROPOSED CONTOUR	712
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PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
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PROPOSED TOP OF CURB ELEVATION	TC=893.56
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PROPOSED ENDWALL STRUCTURE	10 C6.1
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 C6.1
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PROPOSED STORM SEWER INLET	11 C6.1
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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
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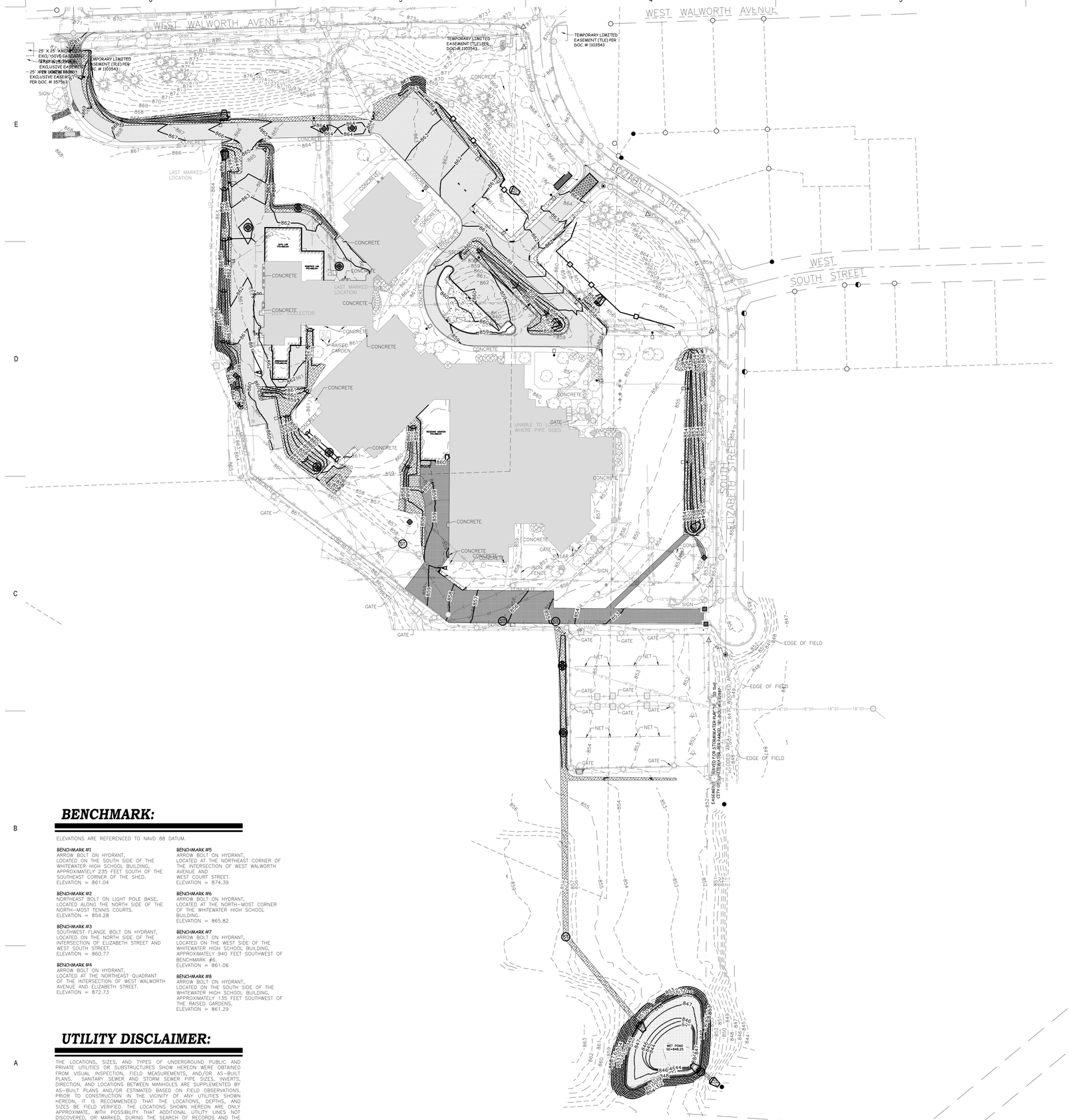

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

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ARROW BOLT ON HYDRANT,
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ELEVATION = 872.73

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ARROW BOLT ON HYDRANT,
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WEST COURT STREET.
ELEVATION = 874.39

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ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

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ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
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GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
15. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	2 C6.1
PROPOSED INLET PROTECTION	3 C6.1
EROSION CONTROL BLANKET	4 C6.1
EROSION CONTROL BLANKET (CHANNEL FLOW)	5 C6.1
ROCK CONSTRUCTION ENTRANCE	6 C6.1
TEMPORARY DITCH CHECK	7 C6.1
RIP RAP AREA	8 C6.1
CONCRETE WASHOUT AREA	9 C6.1

EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. EXCAVATE A TEMPORARY SEDIMENT TRAP IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063
   - 2.1. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS
   - 2.2. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

0' 80' 160'
1" = 80'

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ENGINEERING DESIGN BY: POB Point of Beginning

Project Title:
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WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL EROSION CONTROL PLAN

Sheet Number:
C4.0

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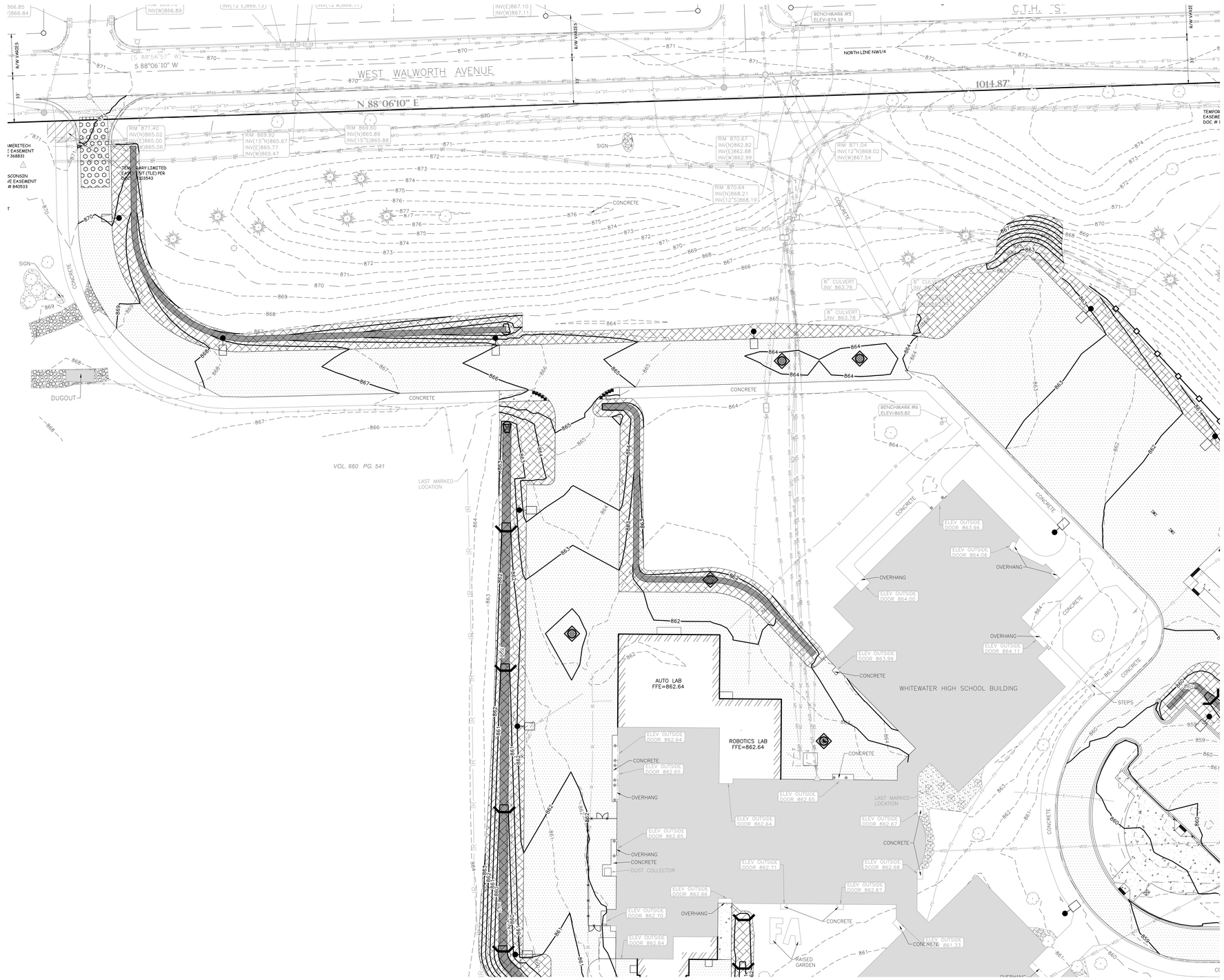

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
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17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400–187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	2 C6.1
PROPOSED INLET PROTECTION	3 C6.1
EROSION CONTROL BLANKET	4 C6.1
EROSION CONTROL BLANKET (CHANNEL FLOW)	5 C6.1
ROCK CONSTRUCTION ENTRANCE	6 C6.1
TEMPORARY DITCH CHECK	7 C6.1
RIP RAP AREA	8 C6.1
CONCRETE WASHOUT AREA	9 C6.1

EROSION CONTROL SEQUENCING:

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTHWEST EROSION CONTROL PLAN

Sheet Number:
C4.1

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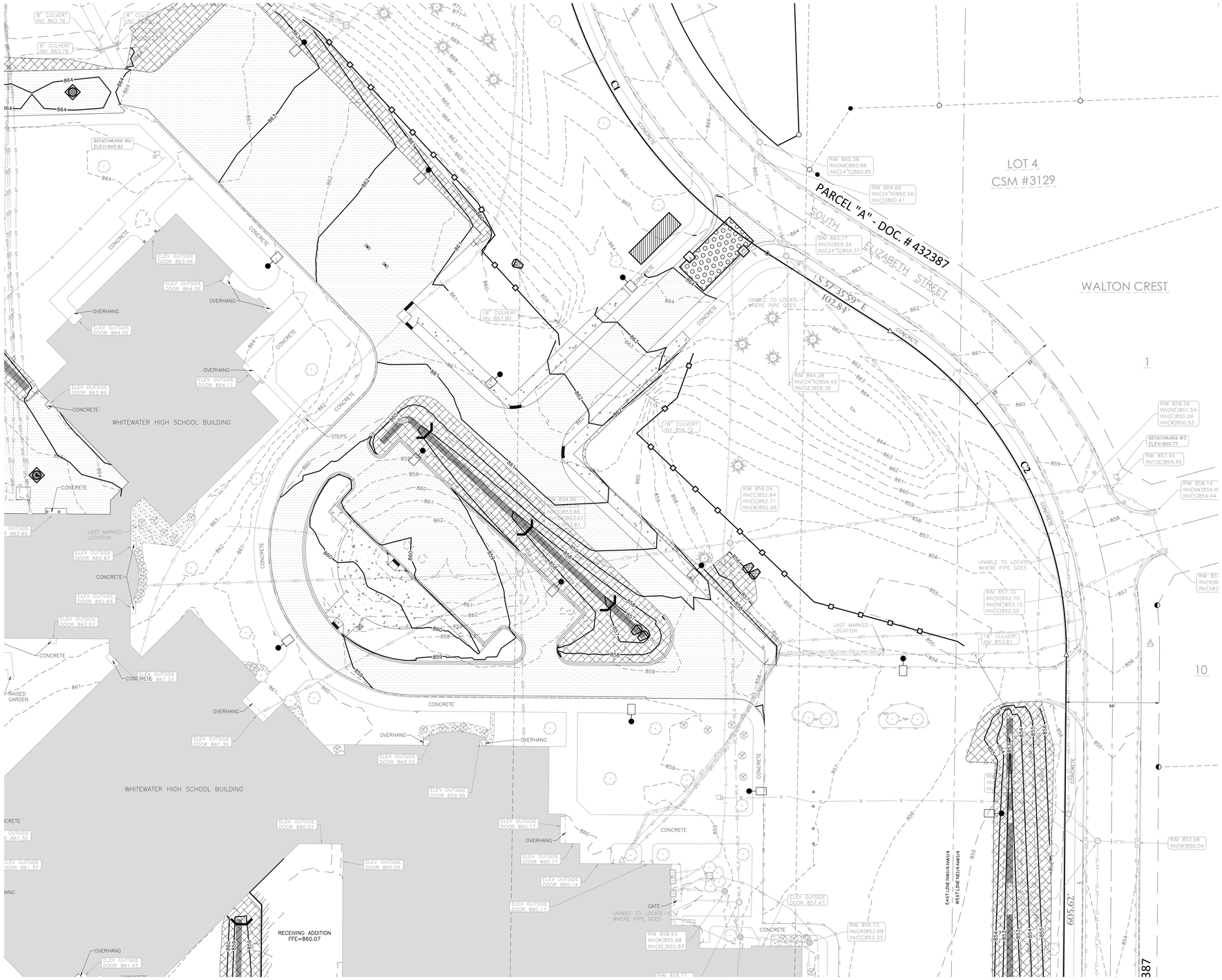

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ELEVATION = 861.04

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ELEVATION = 854.28

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ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
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ELEVATION = 872.73

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ELEVATION = 874.39

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ARROW BOLT ON HYDRANT,
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ELEVATION = 865.82

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ARROW BOLT ON HYDRANT,
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ELEVATION = 861.06

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ARROW BOLT ON HYDRANT,
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ISSUANCES + REVISIONS:

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTHEAST EROSION CONTROL PLAN

Sheet Number:
C4.2

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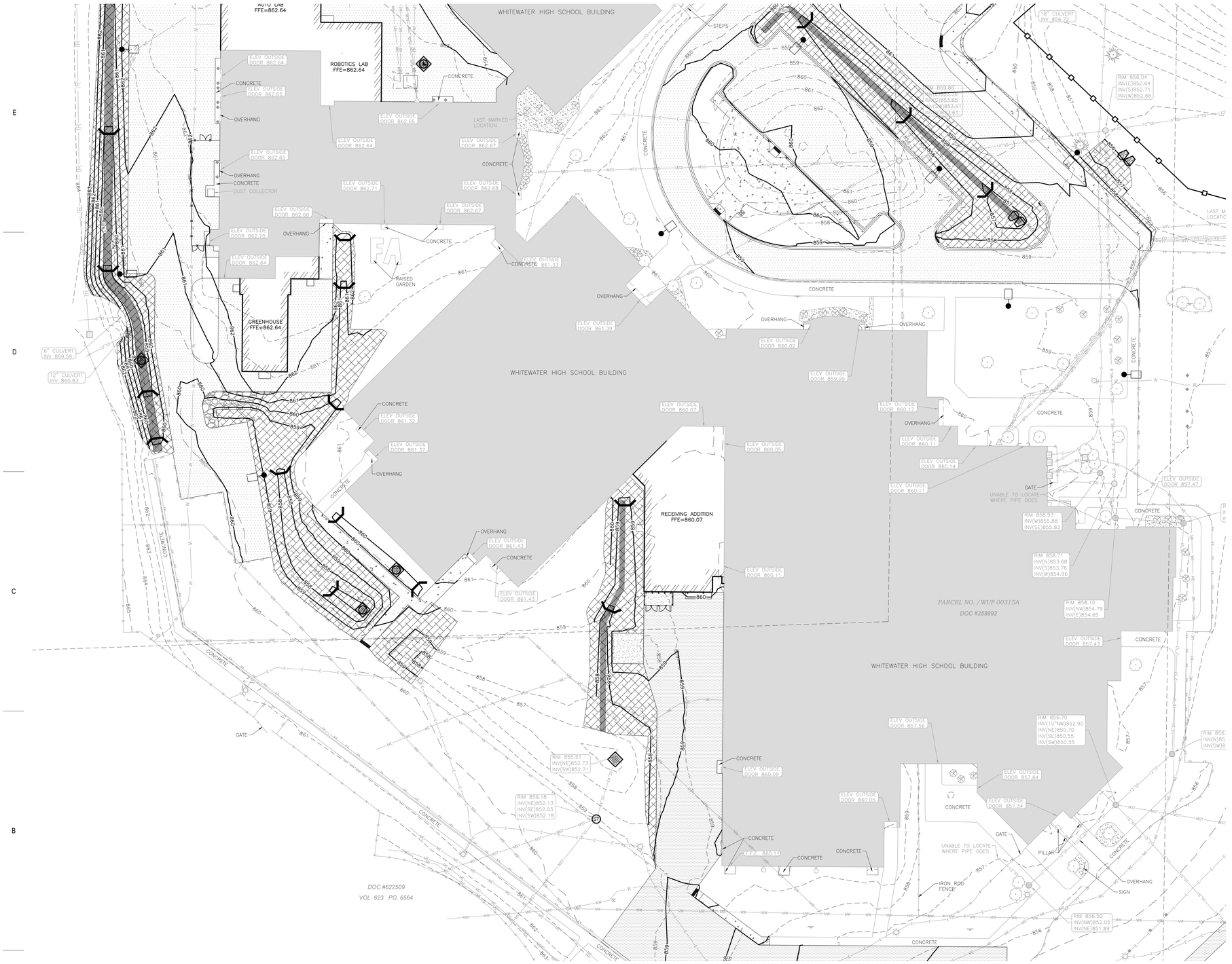

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3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
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14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
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16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400–187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	2 C6.1
PROPOSED INLET PROTECTION	3 C6.1
EROSION CONTROL BLANKET	4 C6.1
EROSION CONTROL BLANKET (CHANNEL FLOW)	5 C6.1
ROCK CONSTRUCTION ENTRANCE	6 C6.1
TEMPORARY DITCH CHECK	7 C6.1
RIP RAP AREA	8 C6.1
CONCRETE WASHOUT AREA	9 C6.1

EROSION CONTROL SEQUENCING:

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2. EXCAVATE A TEMPORARY SEDIMENT TRAP IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063
   - 2.1. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS
   - 2.2. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

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Project Title:
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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHWEST EROSION CONTROL PLAN

Sheet Number:
C4.3

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GENERAL NOTES:

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EROSION CONTROL LEGEND:

- EXISTING CONTOUR — — — 888 — — —
- PROPOSED CONTOUR — 888 —
- PROPOSED SILT FENCE — 2 C6.1
- PROPOSED INLET PROTECTION — 3 C6.1
- EROSION CONTROL BLANKET — 4 C6.1
- EROSION CONTROL BLANKET (CHANNEL FLOW) — 5 C6.1
- ROCK CONSTRUCTION ENTRANCE — 6 C6.1
- TEMPORARY DITCH CHECK — 7 C6.1
- RIP RAP AREA — 8 C6.1
- CONCRETE WASHOUT AREA — 9 C6.1

EROSION CONTROL SEQUENCING:

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ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

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ELEVATION = 872.73

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ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

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ELEVATION = 865.82

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0' 30' 60'
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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHEAST EROSION CONTROL PLAN

Sheet Number:
C4.4

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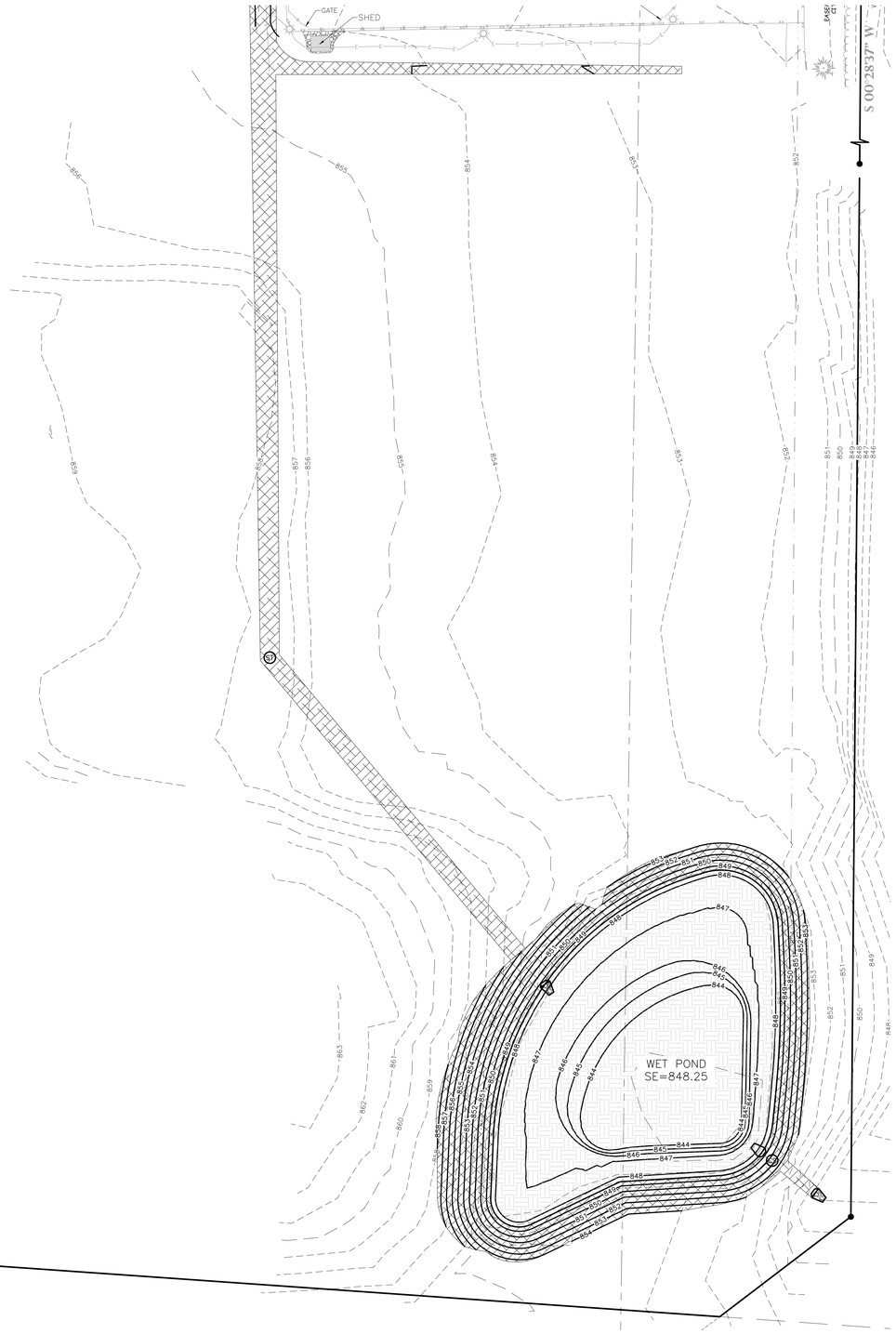

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BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH–MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH–MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

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POB Project: 25.0087
Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY:
POB Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTH EROSION CONTROL PLAN

Sheet Number:
C4.5

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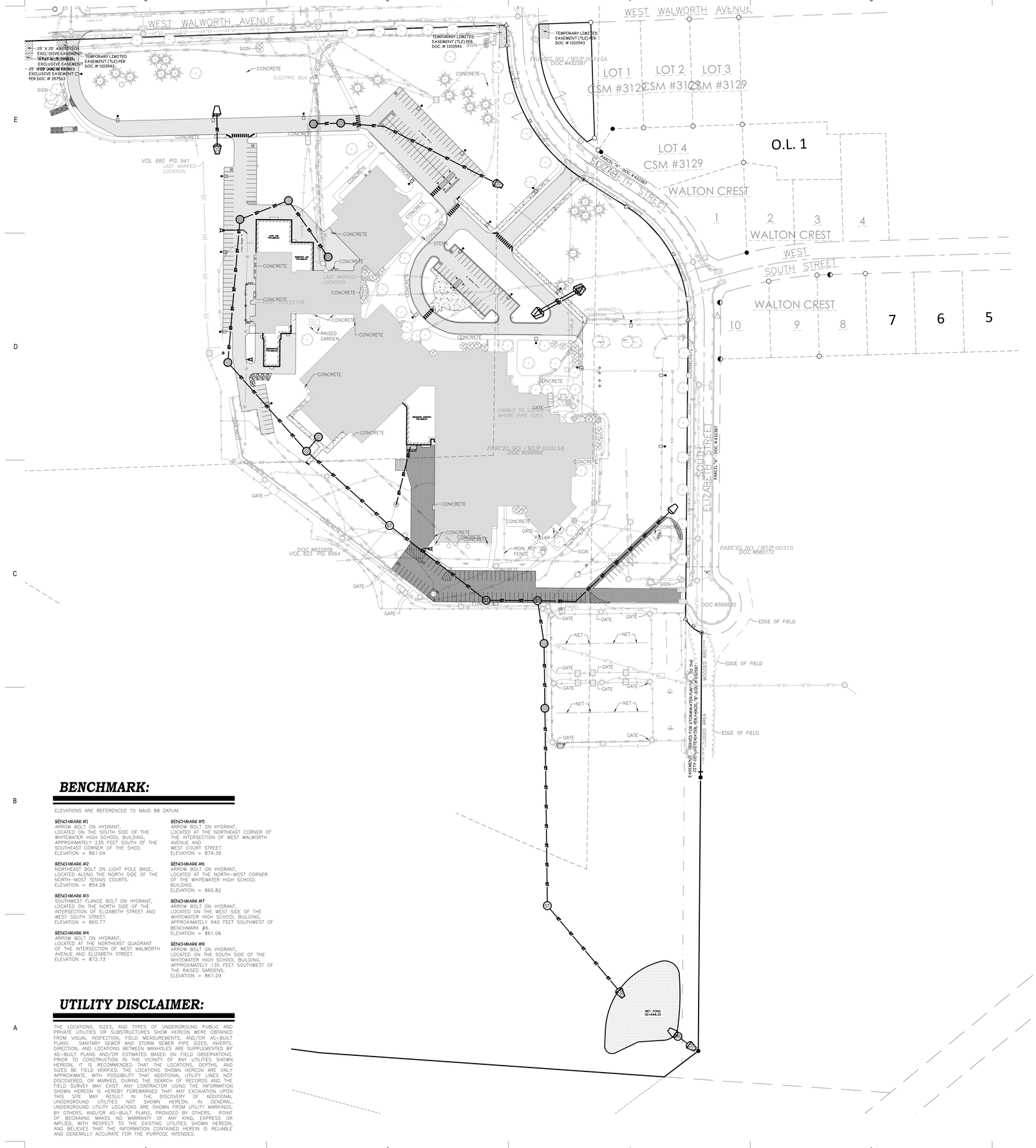

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED STORM SEWER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEETS C3.0-C3.5 FOR PROPOSED FINISHED GRADES.
10. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
11. FIELD VERIFY INVERT ELEVATION OF THE WATER MAIN, AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS TO THE MAIN.
12. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
13. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 / C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	10 / C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 / C6.1
PROPOSED STORM SEWER INLET	11 / C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 1 / C5.5
PROPOSED HYDRANT ASSEMBLY	12 / C6.1
PROPOSED RIP RAP AREA	7 / C6.1
PROPOSED WET POND	WET POND 1 / C6.1

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 853.01 INV (NW) = 848.25 INV (SE) = 847.85 DEPTH = 5.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1733 CASTING W/ SOLID LID
ST#1	RIM = 863.73 INV (E) = 860.73 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#2	RIM = 863.71 INV (W) = 859.89 INV (E) = 859.89 DEPTH = 3.82' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#3	RIM = 861.98 INV (NW) = 859.44 DEPTH = 2.54' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#4	RIM = 861.03 INV (SE) = 858.20 INV (W) = 858.20 DEPTH = 2.83' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#5	RIM = 861.67 INV (E) = 857.41 INV (S) = 857.41 DEPTH = 4.26' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#6	RIM = 858.24 INV (N) = 855.24 INV (SE) = 855.24 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#7	RIM = 856.72 INV (W) = 853.64 INV (NE) = 855.09 INV (SE) = 853.64 DEPTH = 3.08' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE

STRUCTURE #	STRUCTURE DETAILS
ST#8	RIM = 859.37 INV (SW) = 855.87 DEPTH = 3.50' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#9	RIM = 859.18 INV (NW) = 852.13 INV (SE) = 852.03 DEPTH = 7.15' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#11	RIM = 853.58 INV (W) = 850.20 INV (E) = 850.20 INV (S) = 850.20 DEPTH = 6.99' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#12	RIM = 854.04 INV (N) = 850.00 INV (S) = 850.00 DEPTH = 4.05' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#13	RIM = 854.02 INV (N) = 849.69 INV (S) = 849.69 DEPTH = 4.33' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#14	RIM = 857.43 INV (N) = 848.77 INV (SE) = 848.77 DEPTH = 8.66' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING,
APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE,
LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING,
APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING,
APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

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0' 80' 160'
1" = 80'

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Project Number:
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Sheet Title:
OVERALL UTILITY PLAN

Sheet Number:
C5.0

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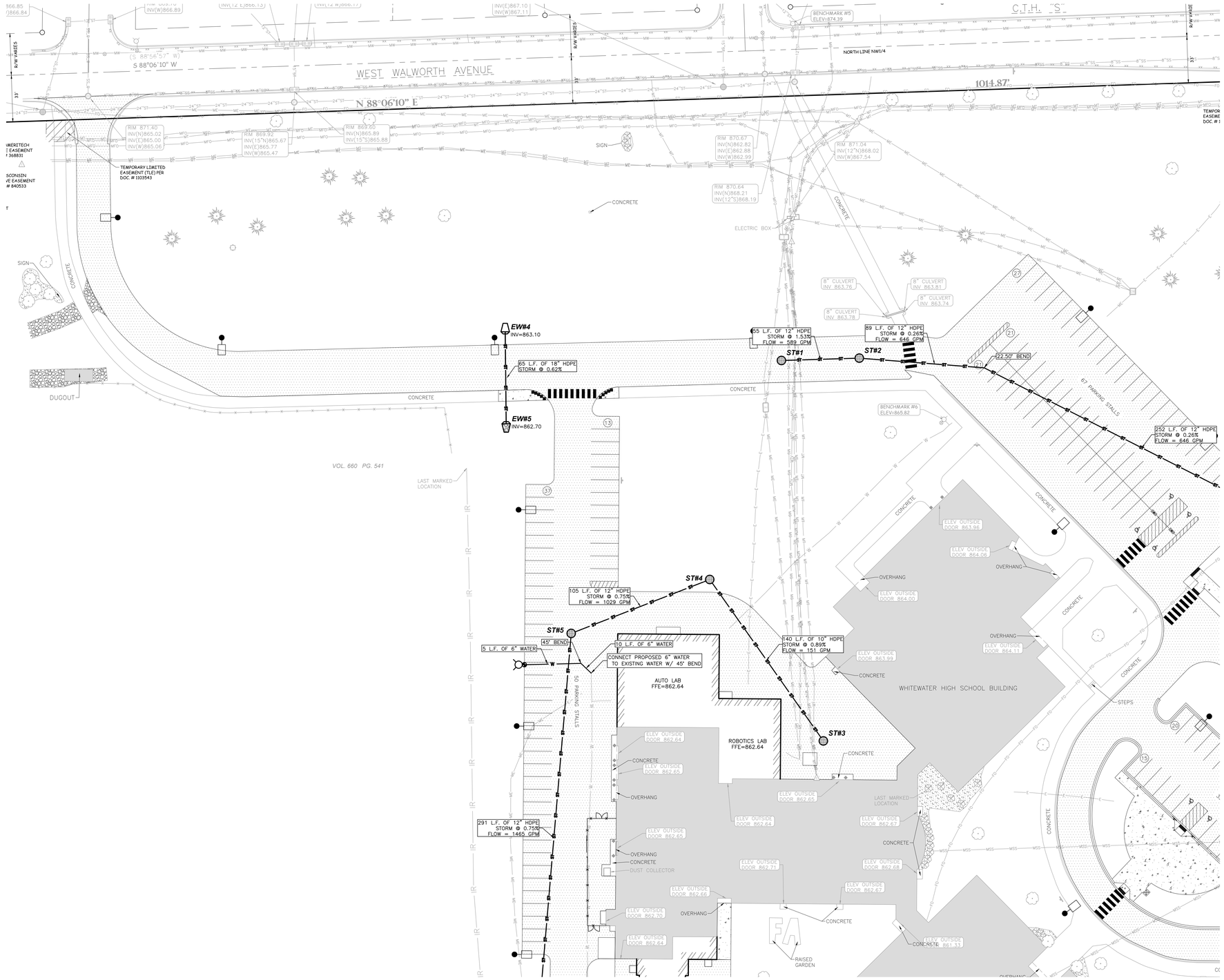

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UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 / C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	10 / C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 / C6.1
PROPOSED STORM SEWER INLET	11 / C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 1 / C5.5
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PROPOSED WET POND	1 / C6.1

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STRUCTURE #	STRUCTURE DETAILS
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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

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NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

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SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
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ELEVATION = 872.73

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ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

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ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
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Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Item 4.

Project Title:
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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

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12/19/2025

Project Number:
3705

Sheet Title:
NORTHWEST UTILITY PLAN

Sheet Number:
C5.1

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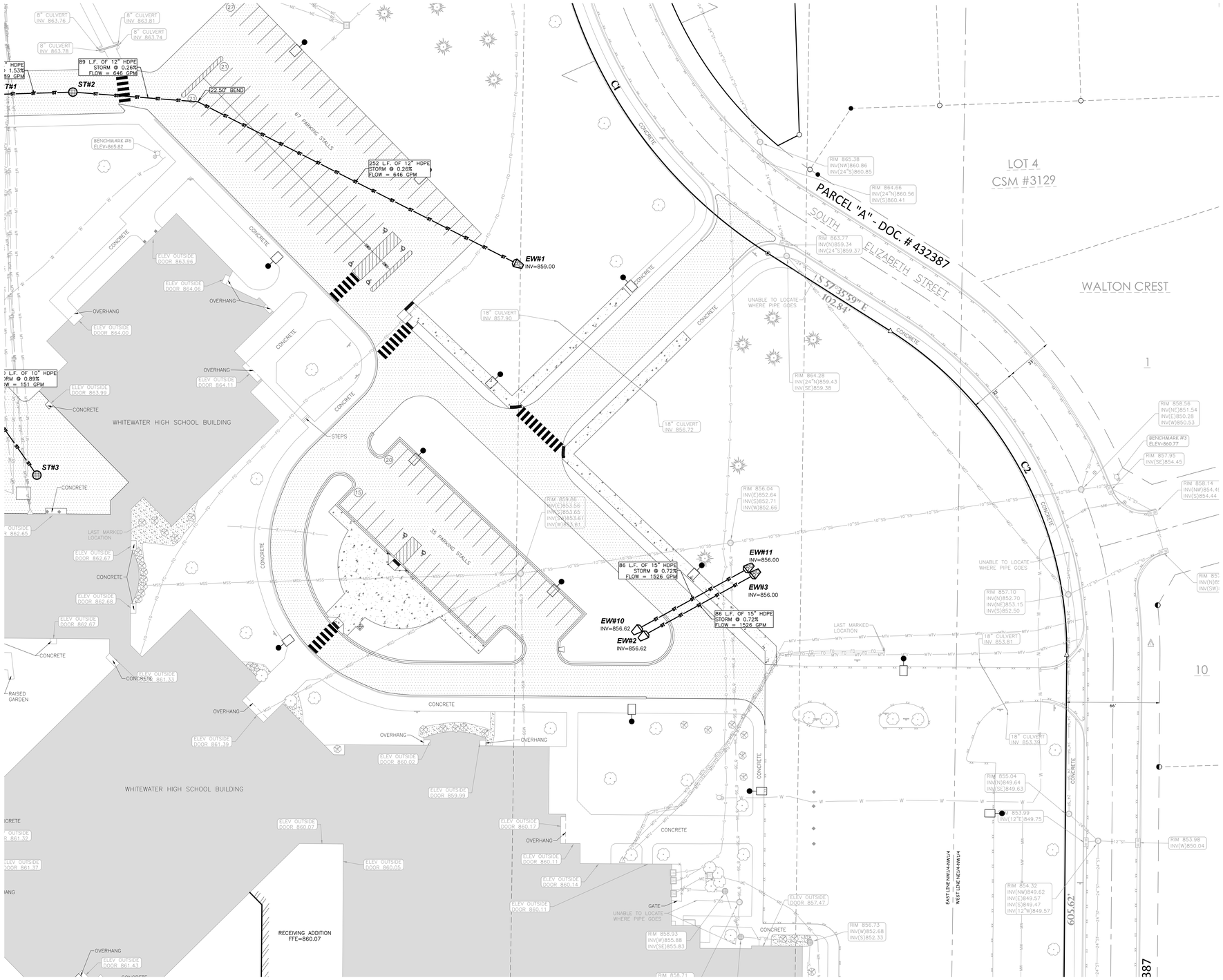

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UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	10 C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 C6.1
PROPOSED STORM SEWER INLET	11 C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 1 C5.5
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PROPOSED RIP RAP AREA	7 C6.1
PROPOSED WET POND	WET POND 1 C6.1

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 853.01 INV (NW) = 848.25 INV (SE) = 847.85 DEPTH = 5.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1733 CASTING W/ SOLID LID
ST#1	RIM = 863.73 INV (E) = 860.73 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#2	RIM = 863.71 INV (W) = 859.89 INV (E) = 859.89 DEPTH = 3.82' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#3	RIM = 861.98 INV (NW) = 859.44 DEPTH = 2.54' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#4	RIM = 861.03 INV (SE) = 858.20 INV (W) = 858.20 DEPTH = 2.83' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#5	RIM = 861.67 INV (E) = 857.41 INV (S) = 857.41 DEPTH = 4.26' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#6	RIM = 858.24 INV (N) = 855.24 INV (SE) = 855.24 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#7	RIM = 856.72 INV (NW) = 853.64 INV (NE) = 855.09 INV (SE) = 853.64 DEPTH = 3.08' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE

STRUCTURE #	STRUCTURE DETAILS
ST#8	RIM = 859.37 INV (SW) = 855.87 DEPTH = 3.50' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#9	RIM = 859.18 INV (NW) = 852.13 INV (SE) = 852.03 DEPTH = 7.15' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#11	RIM = 853.58 INV (W) = 850.20 INV (E) = 850.20 INV (S) = 850.20 DEPTH = 6.99' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#12	RIM = 854.04 INV (N) = 850.00 INV (S) = 850.00 DEPTH = 4.05' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#13	RIM = 854.02 INV (N) = 849.69 INV (S) = 849.69 DEPTH = 4.33' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#14	RIM = 857.43 INV (N) = 848.77 INV (SE) = 848.77 DEPTH = 8.66' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT, LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT, LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT, LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

N

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Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
NORTHEAST UTILITY PLAN

Sheet Number:
C5.2

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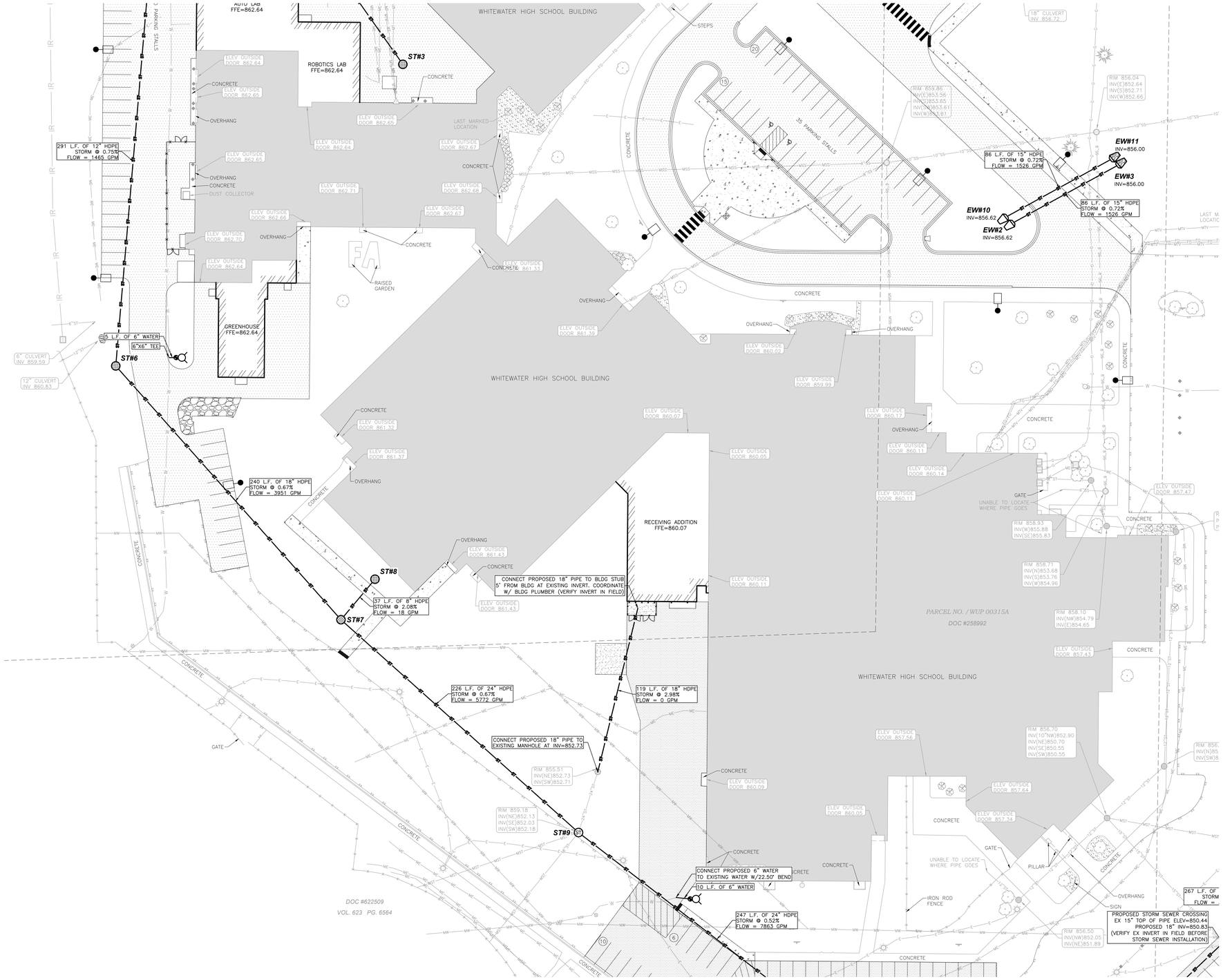

GENERAL NOTES:

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3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED STORM SEWER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEETS C3.0-C3.5 FOR PROPOSED FINISHED GRADES.
10. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
11. FIELD VERIFY INVERT ELEVATION OF THE WATER MAIN, AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS TO THE MAIN.
12. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
13. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 / C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	10 / C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 / C6.1
PROPOSED STORM SEWER INLET	11 / C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 1 / C5.5
PROPOSED HYDRANT ASSEMBLY	12 / C6.1
PROPOSED RIP RAP AREA	7 / C6.1
PROPOSED WET POND	1 / C6.1

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 853.01 INV (NW) = 848.25 INV (SE) = 847.85 DEPTH = 5.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1733 CASTING W/ SOLID LID
ST#1	RIM = 863.73 INV (E) = 860.73 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#2	RIM = 863.71 INV (W) = 859.89 INV (E) = 859.89 DEPTH = 3.82' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#3	RIM = 861.98 INV (NW) = 859.44 DEPTH = 2.54' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#4	RIM = 861.03 INV (SE) = 858.20 INV (W) = 858.20 DEPTH = 2.83' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#5	RIM = 861.67 INV (E) = 857.41 INV (S) = 857.41 DEPTH = 4.26' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#6	RIM = 858.24 INV (N) = 855.24 INV (SE) = 855.24 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#7	RIM = 856.72 INV (NW) = 853.64 INV (NE) = 855.09 INV (SE) = 853.64 DEPTH = 3.08' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE

STRUCTURE #	STRUCTURE DETAILS
ST#8	RIM = 859.37 INV (SW) = 855.87 DEPTH = 3.50' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#9	RIM = 859.18 INV (NW) = 852.13 INV (SE) = 852.03 DEPTH = 7.15' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#11	RIM = 853.58 INV (W) = 850.20 INV (E) = 850.20 INV (S) = 850.20 DEPTH = 6.99' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#12	RIM = 854.04 INV (N) = 850.00 INV (S) = 850.00 DEPTH = 4.05' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#13	RIM = 854.02 INV (N) = 849.69 INV (S) = 849.69 DEPTH = 4.33' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#14	RIM = 857.43 INV (N) = 848.77 INV (SE) = 848.77 DEPTH = 8.66' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID

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BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

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NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

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Drawn: XXX Checked: JJL

ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
ADDITION AND RENOVATION
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534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHWEST UTILITY PLAN

Sheet Number:
C5.3

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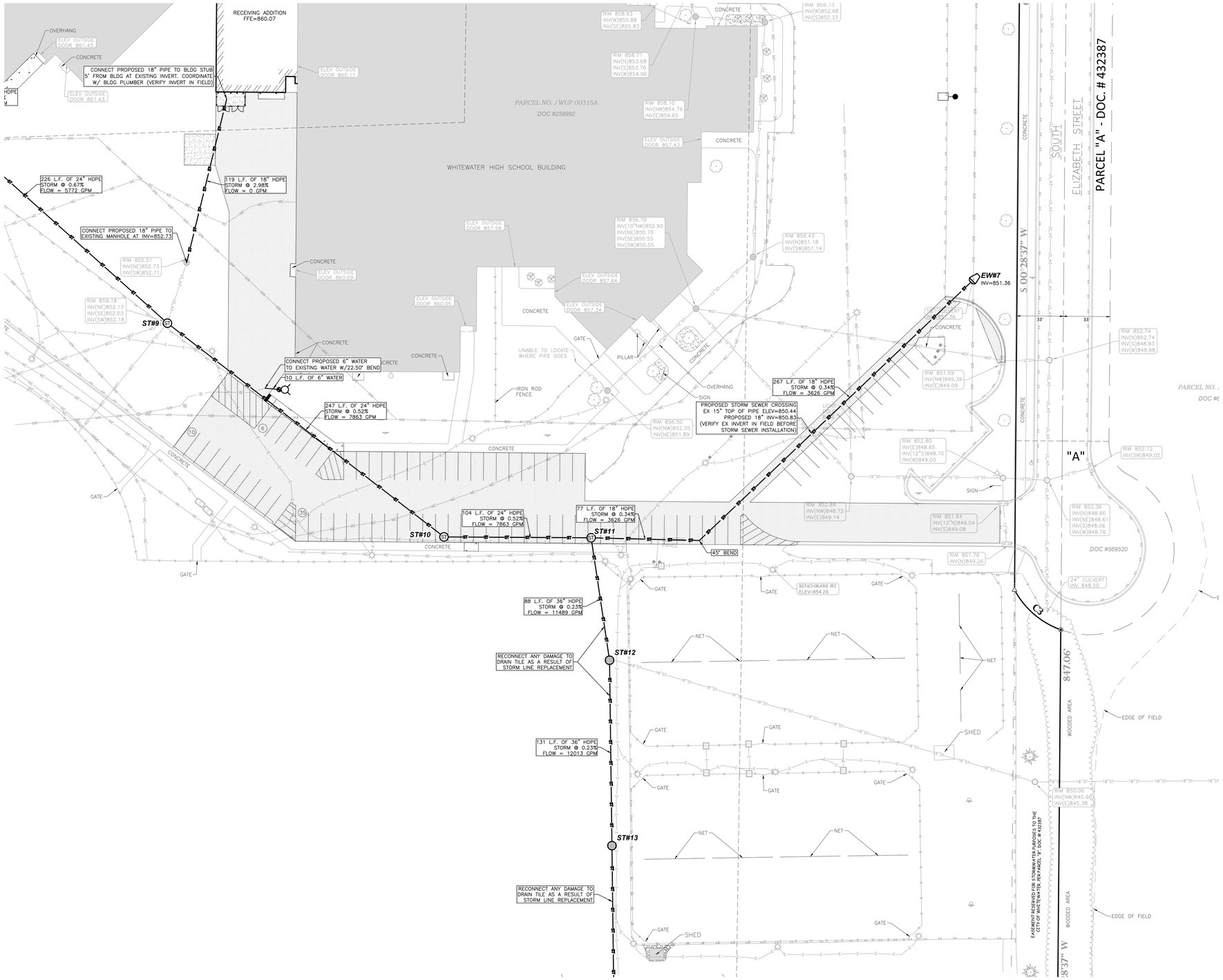

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13. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	10 C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 C6.1
PROPOSED STORM SEWER INLET	11 C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 1 C5.5
PROPOSED HYDRANT ASSEMBLY	12 C6.1
PROPOSED RIP RAP AREA	7 C6.1
PROPOSED WET POND	1 C6.1

STORM MANHOLE SCHEDULE:

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ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

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SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

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ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

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ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29

0' 30' 60'
1" = 30'

N

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Drawn: XXX Checked: JJL
ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
ADDITION AND RENOVATION
WHITEWATER USD HIGH SCHOOL
534 S ELIZABETH STREET
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTHEAST UTILITY PLAN

Sheet Number:
C5.4

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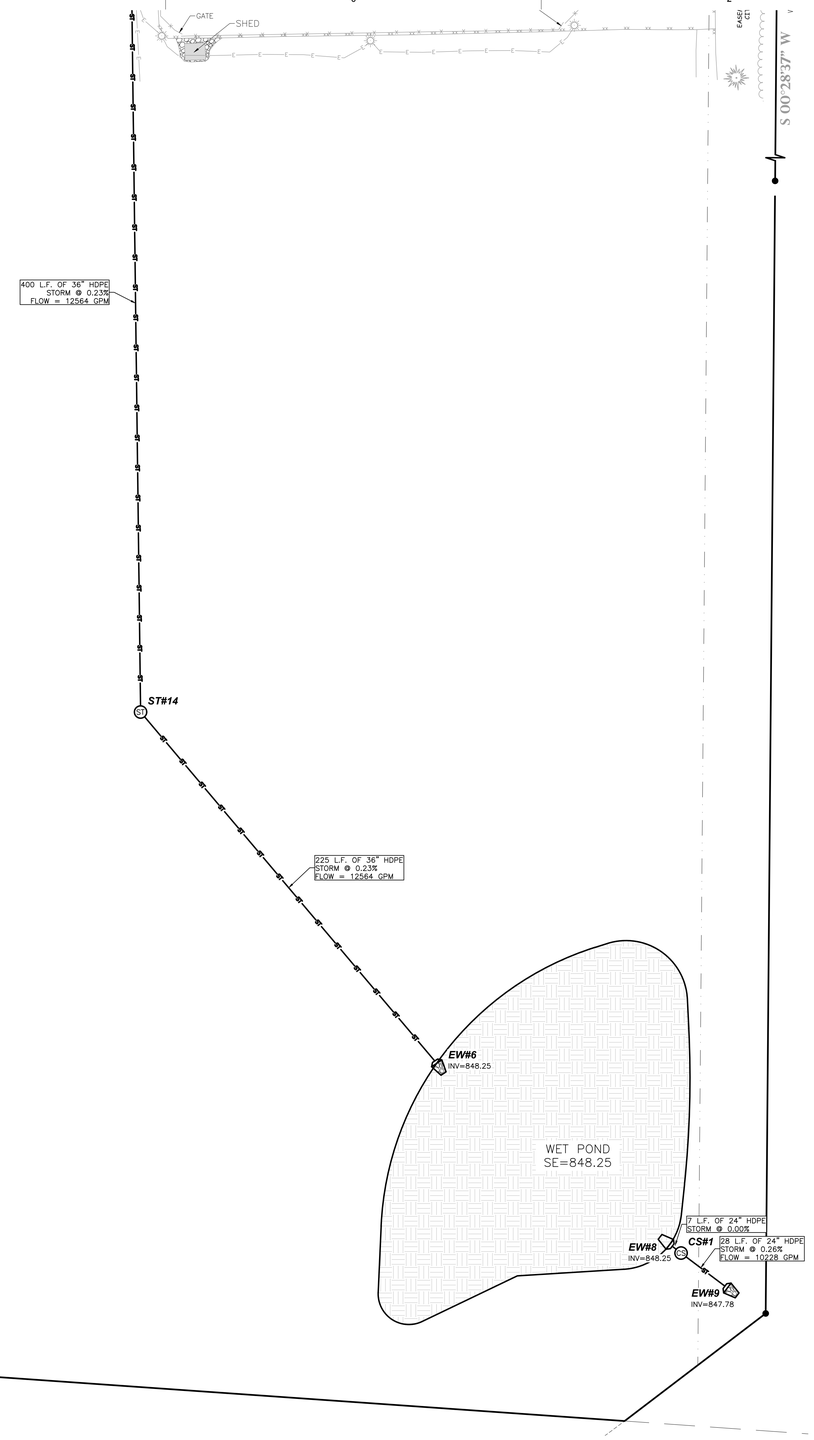


GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED STORM SEWER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEETS C3.0-C3.5 FOR PROPOSED FINISHED GRADES.
10. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
11. FIELD VERIFY INVERT ELEVATION OF THE WATER MAIN, AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS TO THE MAIN.
12. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
13. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	10 / C6.1
PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP	10 / C6.1
PROPOSED STORM SEWER MANHOLE	ST 11 / C6.1
PROPOSED STORM SEWER INLET	11 / C6.1
PROPOSED STORM SEWER CONTROL STRUCTURE	CS 1 / C5.5
PROPOSED HYDRANT ASSEMBLY	12 / C6.1
PROPOSED RIP RAP AREA	7 / C6.1
PROPOSED WET POND	1 / C6.1

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
CS#1	RIM = 853.01 INV (NW) = 848.25 INV (SE) = 847.85 DEPTH = 5.16' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1733 CASTING W/ SOLID LID
ST#1	RIM = 863.73 INV (E) = 860.73 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#2	RIM = 863.71 INV (W) = 859.89 INV (E) = 859.89 DEPTH = 3.82' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#3	RIM = 861.98 INV (NW) = 859.44 DEPTH = 2.54' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#4	RIM = 861.03 INV (SE) = 858.20 INV (W) = 858.20 DEPTH = 2.83' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#5	RIM = 861.67 INV (E) = 857.41 INV (S) = 857.41 DEPTH = 4.26' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2554 CASTING W/ TYPE G GRATE
ST#6	RIM = 858.24 INV (N) = 855.24 INV (SE) = 855.24 DEPTH = 3.00' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#7	RIM = 856.72 INV (NW) = 853.64 INV (NE) = 855.09 INV (SE) = 853.64 DEPTH = 3.08' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE

STRUCTURE #	STRUCTURE DETAILS
ST#8	RIM = 859.37 INV (SW) = 855.87 DEPTH = 3.50' 36" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#9	RIM = 859.18 INV (NW) = 852.13 INV (SE) = 852.03 DEPTH = 7.15' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#11	RIM = 853.58 INV (W) = 850.20 INV (E) = 850.20 INV (S) = 850.20 DEPTH = 6.99' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID
ST#12	RIM = 854.04 INV (N) = 850.00 INV (S) = 850.00 DEPTH = 4.05' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#13	RIM = 854.02 INV (N) = 849.69 INV (S) = 849.69 DEPTH = 4.33' 48" I.D. PRECAST MANHOLE W/ NEENAH R-2560-EA CASTING W/ BEEHIVE GRATE
ST#14	RIM = 857.43 INV (N) = 848.77 INV (SE) = 848.77 DEPTH = 8.66' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1555 CASTING W/ SOLID LID

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 235 FEET SOUTH OF THE SOUTHEAST CORNER OF THE SHED.
ELEVATION = 861.04

BENCHMARK #2
NORTHEAST BOLT ON LIGHT POLE BASE, LOCATED ALONG THE NORTH SIDE OF THE NORTH-MOST TENNIS COURTS.
ELEVATION = 854.28

BENCHMARK #3
SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF ELIZABETH STREET AND WEST SOUTH STREET.
ELEVATION = 860.77

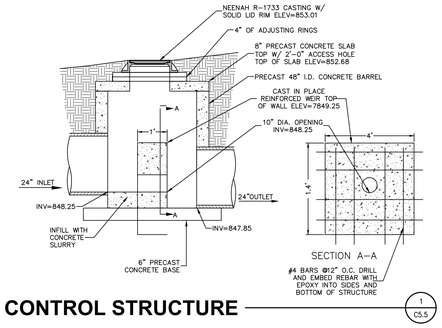
BENCHMARK #4
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF WEST WALWORTH AVENUE AND ELIZABETH STREET.
ELEVATION = 872.73

BENCHMARK #5
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF WEST WALWORTH AVENUE AND
WEST COURT STREET.
ELEVATION = 874.39

BENCHMARK #6
ARROW BOLT ON HYDRANT,
LOCATED AT THE NORTH-MOST CORNER OF THE WHITEWATER HIGH SCHOOL BUILDING.
ELEVATION = 865.82

BENCHMARK #7
ARROW BOLT ON HYDRANT,
LOCATED ON THE WEST SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 940 FEET SOUTHWEST OF BENCHMARK #6.
ELEVATION = 861.06

BENCHMARK #8
ARROW BOLT ON HYDRANT,
LOCATED ON THE SOUTH SIDE OF THE WHITEWATER HIGH SCHOOL BUILDING, APPROXIMATELY 135 FEET SOUTHWEST OF THE RAISED GARDENS.
ELEVATION = 861.29



CONTROL STRUCTURE — 1 / C5.5

0' 30' 60'
1" = 30'

N

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SOUTH UTILITY PLAN

Sheet Number:
C5.5

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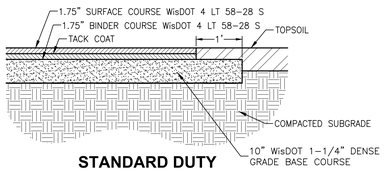
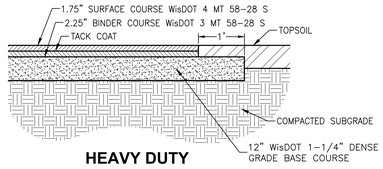
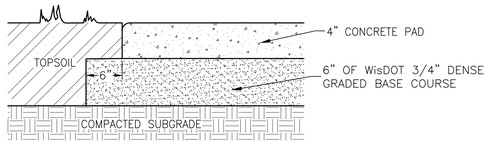


STANDARD DUTY

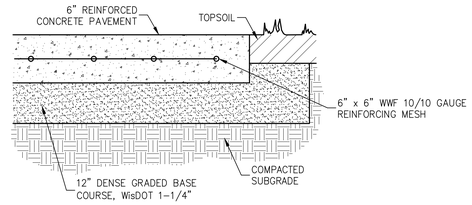


HEAVY DUTY

ASPHALT PAVEMENT — 1 / C6.0

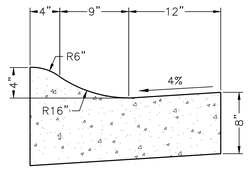


STANDARD CONCRETE

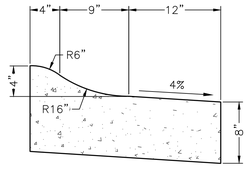


REINFORCED CONCRETE

CONCRETE PAVEMENT — 2 / C6.0

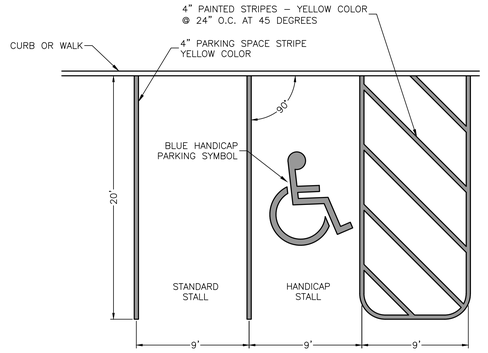


STANDARD



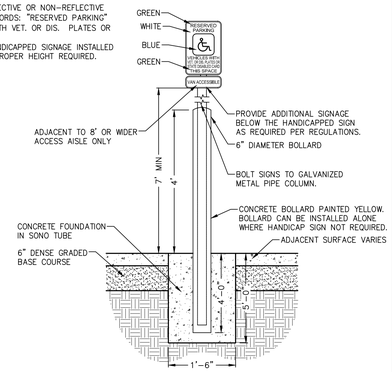
REJECT

18" COCRETE CURB & GUTTER — 3 / C6.0

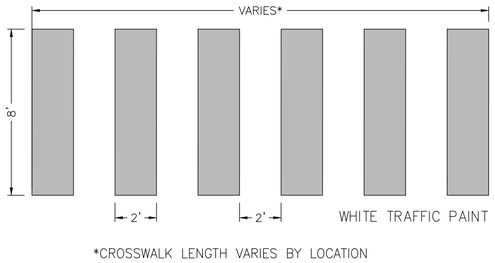


PARKING LOT STRIPING — 4 / C6.0

NOTES:
1. THE SIGN MUST BE A WHITE RECTANGLE WITH LONGER DIMEN. VERT.; HAVING A GREEN MESSAGE AND A BLUE AND WHITE SYMBOL OF ACCESS.
2. THE SIGN MAY EITHER BE REFLECTIVE OR NON-REFLECTIVE.
3. THE SIGN MUST INCLUDE THE WORDS: "RESERVED PARKING" AND THE WORDS: "VEHICLES WITH VET. OR DIS. PLATES OR STATE DISABLED CARD"
4. STANDARD STATE APPROVED HANDICAPPED SIGNAGE INSTALLED ON A METAL COLUMN AT THE PROPER HEIGHT REQUIRED.

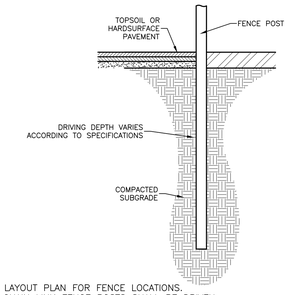


ACCESSIBLE PARKING SIGN — 5 / C6.0



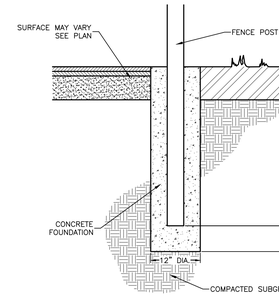
*CROSSWALK LENGTH VARIES BY LOCATION

CROSSWALK STRIPING — 6 / C6.0



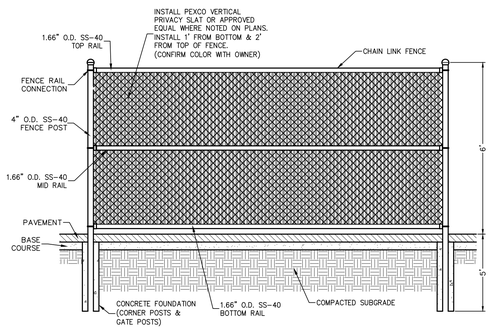
NOTES:
1. SEE LAYOUT PLAN FOR FENCE LOCATIONS.
2. ALL CHAIN LINK FENCE POSTS SHALL BE DRIVEN.
3. DRIVEN FENCE POSTS INSTALLED WITHIN CONCRETE SHALL BE:
   3.1. CORED, DRIVEN, AND SEALED WITH CONCRETE JOINT SEALANT; OR
   3.2. SET PRIOR TO POURING CONCRETE, WRAPPED WITH EXPANSION FOAM, AND SEALED WITH CONCRETE JOINT SEALANT (SILICONE JOINT SEALANT MEETING ASTM C-920 TYPE S CLASS 25)
   3.3. BEFORE DRIVING A FENCE POST IN A CONCRETE AREA, IF THE FENCE POST IS LOCATED WITHIN 2 FEET OF THE EDGE OF CONCRETE, SAWCUT A CONTROL JOINT FROM THE FENCE POST TO THE EDGE OF CONCRETE.
4. DRIVEN FENCE POSTS INSTALLED WITHIN ASPHALT PAVEMENT SHALL BE CORED, DRIVEN, AND SEALED WITH CONCRETE JOINT SEALANT.

DRIVEN LINE POST (TENNIS AREAS) — 7 / C6.0

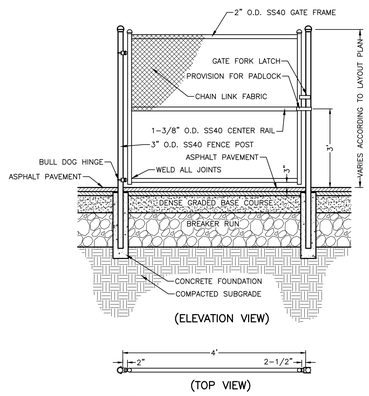


NOTES:
1. ALL GATES WITH A SWING OF 6' OR LARGER SHALL HAVE A CONCRETE FOUNDATION AS SHOWN ABOVE.
2. SEE LAYOUT PLAN FOR GATE LOCATIONS

GATE FENCE POST — 8 / C6.0

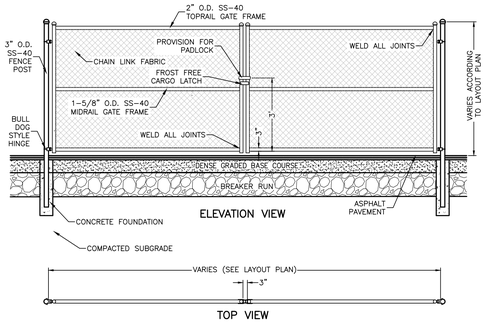


CHAIN LINK FENCE — 9 / C6.0



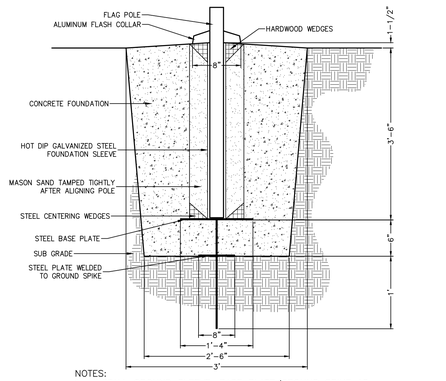
NOTES:
1. SEE LAYOUT PLAN FOR GATE LOCATIONS

PEDESTRIAN GATE — 10 / C6.0



NOTES:
1. SEE LAYOUT PLAN FOR GATE LOCATIONS

SERVICE GATE — 11 / C6.0



NOTES:
1. INSTALL GROUND SLEEVE, BASE PLATE/GROUND SPIKE AS OBTAINED FROM MANUFACTURER
2. VERIFY INSTALLATION PER MANUFACTURER'S SPECIFICATIONS

FLAG POLE FOUNDATION — 12 / C6.0

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Sheet Title:
DETAILS

Sheet Number:
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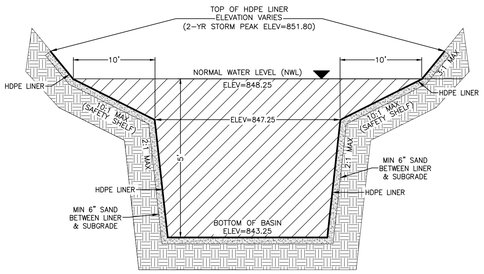
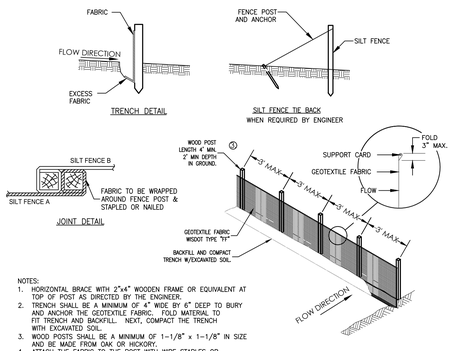


SECTION VIEW

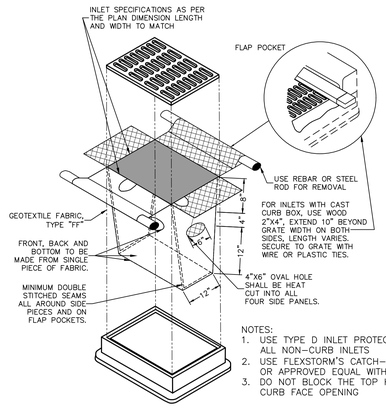
NOTES:
1. HDPE LINER SHALL MEET THE REQUIREMENTS IN APPENDIX D OF WDNR TECHNICAL STANDARD 1001.
2. THE CONTRACTOR SHALL EXCAVATE DOWN TO BEDROCK, REMOVE BEDROCK AS NEEDED TO INSTALL A MIN 6" OF SAND BETWEEN BEDROCK AND HDPE LINER.

WET POND — 1 C6.1



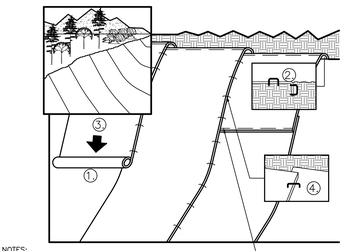
NOTES:
1. HORIZONTAL BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS DIRECTED BY THE ENGINEER.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE BY 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL. NEXT, COMPACT THE TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM OF 1-1/8" x 1-1/8" IN SIZE AND BE MADE FROM OAK OR HICKORY.
4. ATTACH THE FABRIC TO THE POST WITH WIRE STAPLES OR WOODEN LATH AND NAILS.
5. WOOD POSTS SHALL MAINTAIN A 3' MAXIMUM SPACING WHEN USING STANDARD GEOTEXTILE FABRIC. WHEN WOVEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

SILT FENCE — 2 C6.1



NOTES:
1. USE TYPE D INLET PROTECTION FOR ALL NON-CURB INLETS
2. USE FLEXSTORM'S CATCH-IT PRODUCT OR APPROVED EQUAL WITH RIGID FRAME.
3. DO NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING

INLET PROTECTION — 3 C6.1



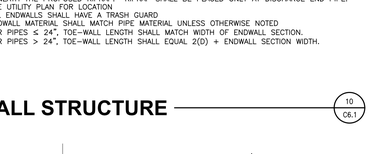
NOTES:
1. PREPARE SOIL BEFORE INSTALLING MAT, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.
5. EROSION CONTROL MAT SHALL BE LISTED ON THE CURRENT WisDOT PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS I TYPE A EROSION MAT.

EROSION BLANKET - SLOPES — 4 C6.1



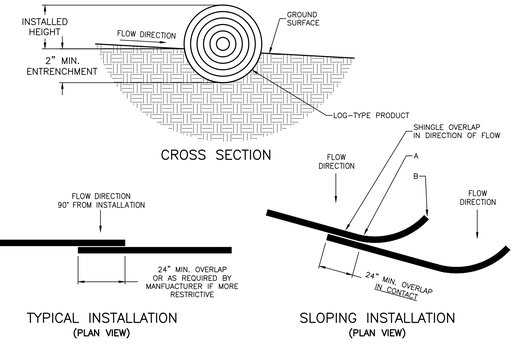
NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. 3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS. 5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP x 6" WIDE TRENCH BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED. 7. IN MEDIUM/HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF CHANNEL. PLACE A SECOND ROW OF 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN AND COMPACT THE TRENCH AFTER STAPLING. 8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
9. EROSION CONTROL MAY SHALL BE LISTED ON THE CURRENT WISCONSIN DEPARTMENT OF TRANSPORTATION PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS III TYPE A EROSION MAT.

EROSION BLANKET - CHANNEL — 5 C6.1



NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

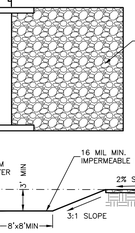
ROCK CONTRUCTION ENTRANCE — 6 C6.1



NOTES:
1. USE WDNR T.S. 1071 "INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS."
2. INSTALLED HEIGHT IS MEASURED FROM THE UPSLOPE GROUND SURFACE TO THE TOP OF THE PRODUCT. DUE TO SETTLEMENT &/OR DEFORMATION, THE INSTALLED HEIGHT MAY NOT BE EQUIVALENT TO THE NOMINAL DIAMETER OF THE PRODUCT.
3. J-HOOKS SHALL BE INSTALLED SO THAT THE GROUND-PRODUCT INTERFACE ELEVATION AT LOCATION "B" IS HIGHER THAN THE TOP OF PRODUCT ELEVATION AT LOCATION A TO CREATE A WEIR AT POINT "A".
4. J-HOOKS SHALL BE INSTALLED EVERY 2 VERTICAL FEET OF DROP ALONG THE LENGTH OF THE INSTALLATION.
5. STAKE OVERLAP AS REQUIRED BY MANUFACTURER.
6. INSPECT DITCH CHECK FOR DEFICIENCIES PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AFTER RAIN EVENTS, AND AT 1-WEEK INTERVALS.
7. REMOVE SEDIMENT BEHIND DITCH CHECK BEFORE SEDIMENT LEVEL REACHES THE HALFWAY POINT BETWEEN THE GROUND SURFACE AND TOP OF THE DITCH CHECK.

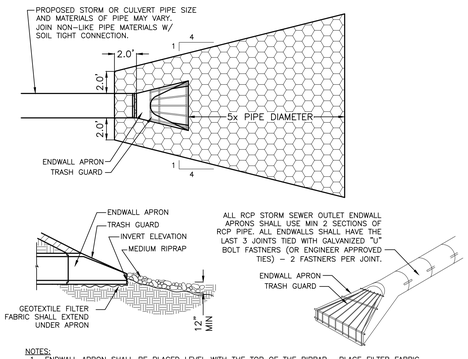
TEMPORARY DITCH CHECK — 7 C6.1

RIP RAP AREA — 8 C6.1



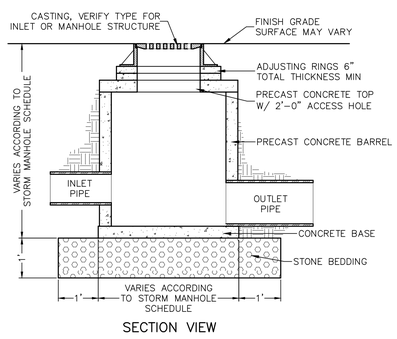
NOTES:
1. DO NOT LOCATE AN UNLINED CONCRETE WASHOUT AREA (CWA) WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000 OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED.
2. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
3. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' WITH SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1. THE PIT SHALL BE AT LEAST 3' DEEP.
4. BERM SURROUNDING SIDES AND BACK OF CWA SHALL HAVE A MINIMUM HEIGHT OF 1'.
5. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS CWA PIT.
6. SIGNS SHALL BE PLACED AT THE CONSTUCTION ENTRACE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

CONCRETE WASHOUT — 9 C6.1



NOTES:
1. ENDWALL APRON SHALL BE PLACED LEVEL WITH THE TOP OF THE RIPRAP. PLACE FILTER FABRIC BENEATH THE PROPOSED RIPRAP. RIPRAP SHALL BE PLACED ONLY AT DISCHARGE END PIPE. SEE UTILITY PLAN FOR LOCATION
2. ALL ENDWALLS SHALL HAVE A TRASH GUARD
3. ENDWALL MATERIAL SHALL MATCH PIPE MATERIAL UNLESS OTHERWISE NOTED
4. FOR PIPES ≤ 24", TOE-WALL LENGTH SHALL MATCH WIDTH OF ENDWALL SECTION.
5. FOR PIPES > 24", TOE-WALL LENGTH SHALL EQUAL 2(D) + ENDWALL SECTION WIDTH.

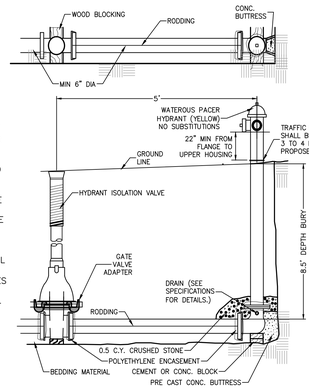
ENDWALL STRUCTURE — 10 C6.1



SECTION VIEW

NOTES:
1. DRAINTILE SHALL BE INSTALLED AROUND ALL NEW & EXISTING MANHOLES WITHIN PAVEMENT AREAS, UNLESS OTHERWISE NOTED ON PLANS.
2. MANHOLES STEPS SHALL BE INSTALLED IN ALL STORM STRUCTURES EXCEEDING A TOTAL HEIGHT OF 5.0'.

STORM MANHOLE — 11 C6.1



NOTES:
A. GENERAL:
1. COMPLY WITH AWWA C502
2. HYDRANT COLOR SELECTED BY OWNER.
3. MATCH THE HYDRANTS GENERALLY INSTALLED IN THE OWNER'S WATER SYSTEM.
4. ACCEPTABLE MANUFACTURERS:
   a. WATEROUS PACER, NO SUBSTITUTIONS

B. MATERIALS:
1. PROVIDE COMPRESSION TYPE WITH A 5-1/4" MINIMUM SIZE MAIN VALVE ASSEMBLY, O-RING SEALS, TWO 2-1/2" HOSE NOZZLES, AND A 4-1/4" PUMPER NOZZLE WITH NATIONAL STANDARD THREADS, A NATIONAL STANDARD OPERATING NUT, AND AN ABOVE GROUND BREAK FLANGE.
2. PROVIDE A 6" AUXILIARY RESILIENT SEAT TYPE GATE VALVE WITH RESTRAINED TYPE JOINTING OR BITUMINOUS COATED METAL TIE RODS BETWEEN THE VALVES AND THE TEE FITTINGS.
3. PROVIDE VALVE BOXES WITH COVER MARKED WITH THE WORD "WATER".
   a. BITUMINOUS COATED CARBON STEEL VALVE EXTENSION STEMS AND 2" SQUARE OPERATING NUTS 2 INCHES BELOW COVER.
4. PROVIDE VALVE BOX STABILIZERS ON ALL HYDRANT AUXILIARY VALVES.
   a. ACCEPTABLE MANUFACTURER:
      i. ALBERICO
      ii. AMERICAN
      iii. ADAPTOR, INC.
      iv. OR EQUAL
5. HYDRANT MARKER:
   i. PROVIDE RODON HYDRA FINDER FLAGS FOR ALL HYDRANTS.

HYDRANT ASSEMBLY — 12 C6.1

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ENGINEERING DESIGN BY: POB
Point of Beginning

Project Title:
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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
DETAILS

Sheet Number:
C6.1

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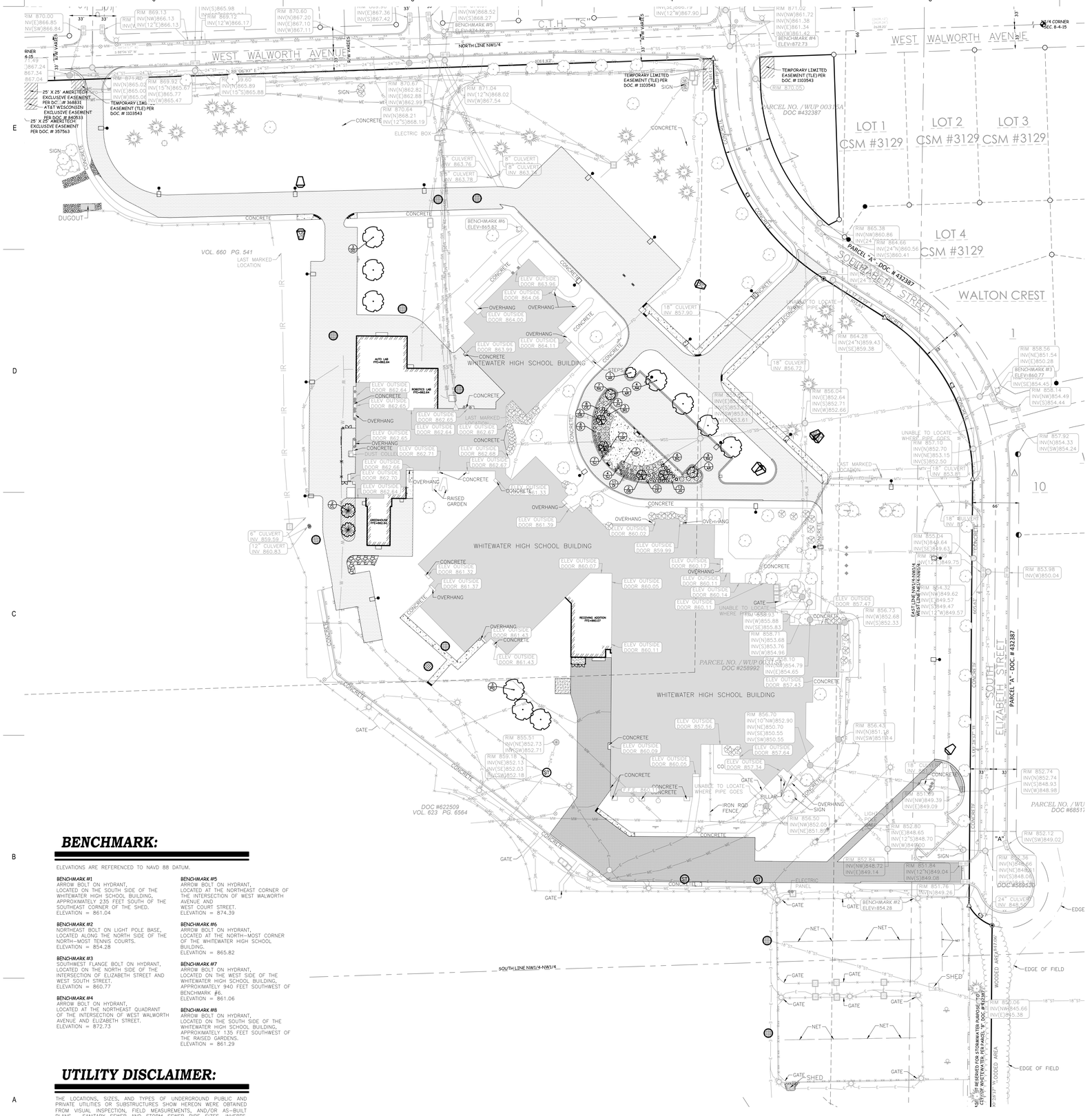
WEST WALWORTH AVENUE
SOUTH ELIZABETH STREET
WALTON CREST
LOT 1 CSM #3129
LOT 2 CSM #3129
LOT 3 CSM #3129
LOT 4 CSM #3129
WHITEWATER HIGH SCHOOL BUILDING
DUGOUT
AUTO LAB FFE=862.64
ROBOTICS LAB FFE=862.64
RECEIVING ADDITION FFE=860.07
GREENHOUSE FFE=862.64
RAISED GARDEN
TEMPORARY LIMITED EASEMENT (TLE) PER DOC. # 1035543
25' X 25' AMERITECH EXCLUSIVE EASEMENT PER DOC. # 368331
AT&T WISCONSIN EXCLUSIVE EASEMENT PER DOC. # 840533
25' X 25' AMERITECH EXCLUSIVE EASEMENT PER DOC. # 357563
PARCEL NO. / WUP 00375A DOC #432387
PARCEL NO. / WUP 00375 DOC #258992
PARCEL "A" - DOC. # 432387
DOC #622509 VOL. 623 PG. 6564
VOL. 660 PG. 541
LAST MARKED LOCATION
UNABLE TO LOCATE WHERE PIPE GOES
NORTH LINE NW1/4
SOUTH LINE NW1/4-NW1/4
EAST LINE NW1/4-NW1/4 & NE1/4-NW1/4
BENCHMARK #1 ELEV=861.04
BENCHMARK #2 ELEV=854.28
BENCHMARK #3 ELEV=860.77
BENCHMARK #4 ELEV=872.73
BENCHMARK #5 ELEV=874.39
BENCHMARK #6 ELEV=865.82
BENCHMARK #7 ELEV=861.06
BENCHMARK #8 ELEV=861.29
SHED
WOODED AREA
EDGE OF FIELD
24" CULVERT INV. 848.50
18" CULVERT INV. 856.72
18" CULVERT INV. 857.90
18" CULVERT INV. 853.61
6" CULVERT INV. 859.52
12" CULVERT INV. 860.83
8" CULVERT INV. 863.76
8" CULVERT INV. 863.78
8" CULVERT INV. 863.90
IRON ROD FENCE
ELECTRIC PANEL
LIGHT POLE
SIGN
GATE
CONCRETE
OVERHANG
ELEV OUTSIDE DOOR 863.96
ELEV OUTSIDE DOOR 864.06
ELEV OUTSIDE DOOR 864.00
ELEV OUTSIDE DOOR 864.11
ELEV OUTSIDE DOOR 863.99
ELEV OUTSIDE DOOR 862.64
ELEV OUTSIDE DOOR 862.65
ELEV OUTSIDE DOOR 862.67
ELEV OUTSIDE DOOR 862.68
ELEV OUTSIDE DOOR 862.71
ELEV OUTSIDE DOOR 862.70
ELEV OUTSIDE DOOR 862.69
ELEV OUTSIDE DOOR 861.33
ELEV OUTSIDE DOOR 861.39
ELEV OUTSIDE DOOR 860.02
ELEV OUTSIDE DOOR 859.99
ELEV OUTSIDE DOOR 860.07
ELEV OUTSIDE DOOR 860.17
ELEV OUTSIDE DOOR 860.05
ELEV OUTSIDE DOOR 860.11
ELEV OUTSIDE DOOR 860.14
ELEV OUTSIDE DOOR 861.32
ELEV OUTSIDE DOOR 861.37
ELEV OUTSIDE DOOR 861.43
ELEV OUTSIDE DOOR 857.47
ELEV OUTSIDE DOOR 857.43
ELEV OUTSIDE DOOR 857.56
ELEV OUTSIDE DOOR 860.09
ELEV OUTSIDE DOOR 860.05
ELEV OUTSIDE DOOR 857.34
ELEV OUTSIDE DOOR 857.64
RIM 869.13 INV(NW)866.13 INV(12"E)866.13
RIM 869.12 INV(12"W)866.17
RIM 870.60 INV(N)867.20 INV(E)867.10 INV(W)867.11
RIM 870.67 INV(N)862.88 INV(E)862.88 INV(W)862.99
RIM 870.64 INV(N)868.21 INV(12"S)868.19
RIM 871.04 INV(12"W)868.02 INV(W)867.54
RIM 869.92 INV(15"W)865.67 INV(E)865.77 INV(W)865.47
RIM 869.60 INV(N)865.89 INV(15"S)865.88
RIM 871.80 INV(N)865.02 INV(E)865.00 INV(W)865.04
RIM 870.05
RIM 871.02 INV(NW)861.72 INV(N)861.38 INV(E)861.34 INV(W)861.42
RIM 865.38 INV(NW)860.86 INV(24"E)860.86
RIM 864.66 INV(24"N)860.56 INV(S)860.41
RIM 864.28 INV(24"N)859.43 INV(SE)859.38
RIM 856.04 INV(E)852.64 INV(S)852.71 INV(W)852.66
RIM 856.70 INV(10"NW)852.90 INV(NE)850.70 INV(SE)850.55 INV(SW)850.55
RIM 855.51 INV(NE)852.73 INV(SW)852.71
RIM 859.18 INV(NE)852.13 INV(SE)852.03 INV(SW)852.18
RIM 856.43 INV(N)851.18 INV(SW)851.24
RIM 856.50 INV(NW)852.05 INV(NE)851.89
RIM 852.84 INV(NW)848.72 INV(E)849.14
RIM 851.84 INV(12"N)849.04 INV(S)849.08
RIM 851.78 INV(N)849.26
RIM 852.80 INV(E)848.65 INV(12"S)848.70 INV(W)848.90
RIM 851.43 INV(NW)849.39 INV(E)849.09
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RIM 858.14 INV(NW)854.49 INV(S)854.44
RIM 857.92 INV(N)854.33 INV(SW)854.24
RIM 855.04 INV(N)848.64 INV(SE)848.63
RIM 849.75
RIM 854.32 INV(NW)849.62 INV(E)849.57 INV(S)849.47 INV(12"W)849.57
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RIM 855.93 INV(W)855.88 INV(SE)855.83
RIM 858.71 INV(N)853.68 INV(S)853.76 INV(W)854.96
RIM 854.10 INV(NW)854.79 INV(E)854.65
RIM 853.98 INV(W)850.04
RIM 852.74 INV(N)852.74 INV(S)848.93 INV(W)848.98
RIM 852.12 INV(SW)849.02
RIM 852.16 INV(N)849.66 INV(NE)849.66 INV(S)848.04 INV(W)848.24
RIM 852.06 INV(NW)845.66 INV(E)845.38
BENCHMARK #3 ELEV=860.77
RIM 854.45
BENCHMARK #2 ELEV=854.28
24" CULVERT INV. 848.50
"A"
EDGE
EDGE OF FIELD
EDGE OF FIELD
SET RBAR IN WOODED AREA
SET RBAR IN WOODED AREA
SET RBAR IN WOODED AREA

GENERAL

1. ALL MATERIALS, CONSTRUCTION, PLANS AND DETAILS SHALL CONFORM WITH THE APPLICABLE CODES AND STANDARDS AS SHOWN IN THESE DRAWINGS AS WELL AS THE PROJECT SPECIFICATIONS, FIRE UNDERWRITER RULES AND REGULATIONS AND ASTM STANDARDS RELATED TO EACH ELEMENT.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE FAMILIAR WITH THE ENTIRE SET OF CONSTRUCTION DOCUMENTS (NOT LIMITED TO CIVIL, ARCHITECTURAL, PLUMBING, ELECTRICAL, STRUCTURAL, AND MECHANICAL, ETC.) IN ORDER TO PROVIDE ALL CONSTRUCTION AND MATERIALS FOR THE PROJECT.
3. THE CONTRACTOR SHALL REFER TO ALL DRAWINGS OF THE CONSTRUCTION DOCUMENTS FOR ADDITIONAL SPECIFIED ITEMS SUCH AS MEMBERS, ELEVATIONS, BRICK LEDGES, DIMENSIONS, SLEEVES, PENETRATIONS, DEPRESSIONS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS THAT MAY BE REQUIRED FOR COMPLETION OF THE PROJECT.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
5. DETAILS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE DUPLICATED IN SIMILAR PORTIONS OF THE BUILDING UNLESS NOTED OTHERWISE.
6. DRAWINGS REPRESENT THE FINISHED STRUCTURAL SYSTEM AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, LAGGING, SHORING, BRACING, FORM WORK, ETC. AS REQUIRED FOR THE PROTECTION AND SAFETY OF LIFE AND PROPERTY DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRUCTURAL ENGINEER WILL NOT INVOLVE REVIEW OF THESE ITEMS.
7. ALL INSPECTIONS REQUIRED BY THE BUILDING CODES, JURISDICTION OR THESE PLANS SHALL BE PROVIDED BY AN INDEPENDENT INSPECTION AGENCY OR THE BUILDING DEPARTMENT. SITE VISITS BY THE ARCHITECT OR STRUCTURAL ENGINEER DO NOT CONSTITUTE AN INSPECTION.
8. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FULL COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING THE HEALTH AND SAFETY OF WORKERS AND THE PUBLIC IN AND AROUND THE CONSTRUCTION SITE.
9. CONSTRUCTION MATERIALS SHALL BE UNIFORMLY LAID OUT SUCH THAT NOTED STRUCTURAL DESIGN LIVE LOAD PER SQUARE FOOT IS NOT EXCEEDED.
10. PLANS ARE NOT TO BE SCALED.
11. NOTES ON SPECIFIC PLANS AND DETAILS AS SHOWN ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
12. IN NO CASE SHALL STRUCTURAL ALTERATIONS, MODIFICATIONS OR WORK AFFECTING STRUCTURAL MEMBERS BE MADE WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
13. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS RELATED TO ELEVATOR/ESCALATOR/EQUIPMENT PITS AND SHAFTS WITH SELECTED MANUFACTURER.
14. CONTRACTOR SHALL CONFIRM ELEVATOR/ESCALATOR/EQUIPMENT SUPPORT BEAM/GUIDE RAIL ELEVATIONS AND LOCATIONS WITH THE APPROVED ELEVATOR/ESCALATOR/EQUIPMENT SHOP DRAWINGS.
15. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING REQUIREMENTS.
16. UNLESS NOTED OTHERWISE, CENTERLINE OF FRAMING ELEMENTS COINCIDE WITH COLUMN CENTERLINES. FRAMING BETWEEN MEMBERS SHALL BE EQUALLY SPACED UNLESS NOTED OTHERWISE.
17. IF ANY ERRORS OR OMISSIONS APPEAR IN THESE DRAWINGS, SPECIFICATIONS OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN WRITING PRIOR TO PROCEEDING WITH WORK.
18. NO PROVISIONS HAVE BEEN MADE FOR FUTURE EXPANSION.

EXISTING CONSTRUCTION

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STRUCTURAL ELEMENTS, DIMENSIONS AND ELEVATIONS RELATED TO EXISTING CONDITIONS AND NEW CONSTRUCTION PRIOR TO CONSTRUCTION AND PROCUREMENT OF MATERIAL. CONTRACTOR TO NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES. EXISTING CONDITIONS SHOWN REPRESENT THE BEST AVAILABLE INFORMATION. NO WARRANTY IS MADE TO THE ACCURACY OF THE INFORMATION PRESENTED.
2. REMOVE, REPLACE, AND MODIFY ALL EXISTING MATERIAL (ARCHITECTURAL, ELECTRICAL, MECHANICAL, STRUCTURAL, ETC.) AS REQUIRED TO PLACE NEW STRUCTURAL WORK SHOWN IN THE CONSTRUCTION DOCUMENTS.
3. ANY EXISTING CONDITIONS THAT ARE UNCOVERED DURING THE COURSE OF THE PROJECT THAT THE CONTRACTOR DEEMS UNSAFE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
4. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHORING, BRACING, ETC. REQUIRED TO SAFELY CONSTRUCT THE PROJECT.

FOUNDATIONS

1. ALL ACTIVITIES CONCERNING PREPARATION AND VERIFICATION OF THE BEARING STRATUM FOR SLAB-ON-GRADES AND FOUNDATIONS SHALL BE SUPERVISED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER.
2. ALL EXTERIOR FOUNDATIONS SHALL BEAR BELOW THE LOCAL FROST LINE. FOUNDATIONS ARE NOT TO BE PLACED ON FROZEN SUBGRADE.
3. WALLS, GRADE BEAMS AND SIMILAR ELEMENTS SHALL BE BACKFILLED UNIFORMLY ON BOTH SIDES OF ELEMENTS. BELOW-GRADE WALLS SHALL BE ADEQUATELY BRACED UNTIL FINAL FLOOR STRUCTURE, INCLUDING SLAB-ON-GRADE IS IN PLACE. BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DO NOT BACKFILL AGAINST ANY ELEMENT UNTIL THE DESIGN STRENGTH OF THE ELEMENT HAS BEEN ACHIEVED.
4. SUBGRADE PREPARATION SHALL CONSIST OF EXCAVATION TO REQUIRED FOOTING DEPTH. FOUNDATIONS SHALL EXTEND TO COMPETENT BEARING MATERIAL CONFORMING TO THE NET ALLOWABLE SOIL BEARING CAPACITY NOTED. WHERE UNSUITABLE SOIL IS ENCOUNTERED, REFER TO THE REFERENCED GEOTECHNICAL REPORT OR CONTACT THE STRUCTURAL ENGINEER FOR FURTHER DIRECTION.
5. AT A MINIMUM, ALL FILL BELOW FOOTINGS SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY (ASTM D-1557, MODIFIED PROCTOR) AND PLACED IN UNIFORM LIFTS. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION OR STRICTER REQUIREMENTS.
6. ALL BACKFILL WITHIN A MINIMUM OF 36" OF BASEMENT AND RETAINING WALLS SHALL BE FREE DRAINING, GRANULAR MATERIAL AND COMPACTED TO 90% STANDARD PROCTOR. MATERIALS MUST BE APPROVED BY GEOTECHNICAL ENGINEER. CONSULT GEOTECHNICAL REPORT FOR ADDITIONAL RECOMMENDATIONS.
7. REMOVE ANY EXISTING CONSTRUCTION TO A MINIMUM OF 24" BELOW BOTTOM OF NEW FOUNDATION.
8. ALL PIERS AND COLUMNS ARE CENTERED ON COLUMN CENTERLINES UNLESS NOTED OTHERWISE.
9. CONTRACTOR IS TO KEEP EXCAVATIONS DRY AT ALL TIMES DURING THE FOUNDATION CONSTRUCTION. ALL FOUNDATION CONCRETE SHALL BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATIONS ARE OPENED. NO FOUNDATION SHALL BE PLACED IN STANDING WATER. CONTRACTOR SHALL PROVIDE MEANS FOR DEWATERING EXCAVATIONS AS REQUIRED TO ACHIEVE DRY EXCAVATIONS.
10. REFER TO PROJECT GEOTECHNICAL REPORT FOR GENERAL SOIL CONDITIONS AND SPECIFIC PROJECT REQUIREMENTS. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ARCHITECT IF SOIL CONDITIONS VARY FROM THOSE INDICATED IN THE GEOTECHNICAL REPORT.
11. FREE DRAINING GRANULAR FILL BELOW SLAB-ON-GRADE SHALL MEET WisDOT SPECIFICATION 310.2.2.1 FOR OPEN-GRADED BASE.

CAST-IN-PLACE CONCRETE

1. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE."
2. CONCRETE SLAB CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 302 "GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION."
3. CONCRETE MIXING, TRANSPORTING AND PLACEMENT SHALL CONFORM TO ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE."
4. CONCRETE PLACED DURING HOT OR COLD WEATHER SHALL CONFORM TO ACI 305 "GUIDE TO HOT WEATHER CONCRETING" AND ACI 306 "GUIDE TO COLD WEATHER CONCRETING."
5. CONCRETE SHALL BE MECHANICALLY CONSOLIDATED IN ACCORDANCE WITH ACI 309 "GUIDE FOR CONSOLIDATION OF CONCRETE." SLAB-ON-GRADE NEED ONLY BE VIBRATED AROUND EMBEDDED ITEMS, THICKENED SLABS, TRENCHES, FLOOR DRAINS, ETC.
6. CONCRETE CURING SHALL CONFORM TO ACI 308 "GUIDE TO EXTERNAL CURING OF CONCRETE" OR ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," WHICHEVER IS APPLICABLE UNLESS ALTERNATE METHODS ARE APPROVED BY ARCHITECT AND STRUCTURAL ENGINEER. WHERE CURING COMPOUNDS ARE APPROVED, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPATIBILITY WITH FLOORING PRIOR TO CURING COMPOUND APPLICATION.
7. MAXIMUM UNCONFINED CONCRETE FREE FALL SHALL BE LIMITED TO 5'-0".
8. WATER SHALL BE CLEAN AND POTABLE AND SHALL CONFORM TO ASTM C94. NO WATER SHALL BE ADDED AT THE JOBSITE UNLESS SPECIFICALLY APPROVED IN WRITING BY THE CONCRETE SUPPLIER.
9. CONCRETE MIXING OPERATION SHALL CONFORM TO ASTM C94.
10. CLEAR COVER REQUIREMENTS FOR CONCRETE REINFORCEMENT SHALL CONFORM TO THE FOLLOWING UNLESS SPECIFICALLY NOTED OTHERWISE:
    A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
    B. CONCRETE EXPOSED TO EARTH OR WEATHER
       a. #5 AND SMALLER: 1-1/2"
       b. #6 THROUGH #18: 2
    C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
       a. SLABS, WALLS, JOISTS: #11 AND SMALLER: 3/4"
       b. BEAMS, COLUMNS: PRIMARY, TIES, STIRRUPS OR SPIRALS: 1-1/2"
11. UNLESS OTHERWISE DETAILED, PROVIDE (2) #5 BARS AROUND ALL OPENINGS AND (2) #5 DIAGONAL BARS AT ALL OPENINGS AND RE-ENTRANT CORNERS. BARS SHALL EXTEND A MINIMUM OF 30" PAST OPENING.
12. EXISTING SURFACES THAT ARE TO RECEIVE NEW CONCRETE SHALL BE INTENTIONALLY ROUGHENED TO AN AMPLITUDE OF 1/4" UNLESS NOTED OTHERWISE.
13. BASE PLATE GROUT SHALL BE NON-SHRINK, NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 8,000 PSI. THICKNESS SHALL BE AS DETAILED.
14. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER UNLESS SPECIFICALLY DETAILED OTHERWISE. TOP SURFACES OF WALLS EXPOSED TO VIEW SHALL BE FINISHED SMOOTH UNLESS NOTED OTHERWISE.
15. ALL REINFORCING BARS, ANCHOR BOLTS, WIRE MESH, DOWELS, AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN FINAL POSITION PRIOR TO PLACING CONCRETE.
16. PROVIDE SLEEVES FOR PLUMBING, ELECTRICAL AND MECHANICAL PENETRATIONS. PENETRATIONS THROUGH BEAMS AND COLUMNS ARE ONLY PERMITTED WHERE SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING LOCATION OF ALL PENETRATIONS AND EMBEDDED CONDUIT THROUGH OR IN CONCRETE. CONCRETE IS NOT TO BE CUT OR CORED WITHOUT PRIOR APPROVAL OF STRUCTURAL ENGINEER. COORDINATION OF OTHER TRADES RELATED TO THE CONCRETE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
17. CONDUIT, PIPES OR SIMILAR ITEMS RUNNING THROUGH OR IN CONCRETE SHALL BE PLACED SO THEY ARE NOT CLOSER THAN 3 DIAMETERS ON CENTER. CONCRETE COVER IS NOT LESS THAN 1" AND NO REINFORCING STEEL IS DISPLACED UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
18. CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE MIXES.
19. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF IRREGULARITIES OR DEFECTS IN CONCRETE WORK PRIOR TO PLACEMENT OF FINISH MATERIALS.
20. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS AND TEST DATA COMPLIANT WITH REFERENCED ACI STANDARDS AND THE LOCAL BUILDING CODE. MIX DESIGNS SHALL INCLUDE THE PROJECT NAME AND INDICATE WHERE EACH MIX IS TO BE USED IN THE STRUCTURE.
21. CONTRACTOR SHALL HIRE A MATERIALS TESTING LABORATORY TO CAST AND TEST CYLINDERS. SAMPLING, PREPARATION AND TESTING SHALL CONFORM TO ASTM C172, ASTM C31 AND ASTM C39. TEST RESULTS MUST BE SUBMITTED TO ARCHITECT AND STRUCTURAL ENGINEER. ACCEPTANCE CRITERIA WILL BE BASED ON ACI 318. TEST RESULTS SHALL PROVIDE THE FOLLOWING INFORMATION AT A MINIMUM:
    1. LOCATION IN PROJECT WHERE SAMPLE WAS TAKEN WITH MIX DESIGNATION.
    2. COMPRESSIVE STRENGTH AT 7 DAYS.
    3. COMPRESSIVE STRENGTH AT 28 DAYS.
    4. AIR CONTENT.
    5. SLUMP.
    6. WATER ADDED AT JOB SITE.
22. SHOP DRAWINGS FOR REINFORCEMENT DETAILING, FABRICATING, BENDING AND PLACING OF CONCRETE REINFORCEMENT SHALL CONFORM TO ACI 318 AND CRSI MANUAL OF STANDARD PRACTICE. BAR SCHEDULES, STIRRUP SPACING, BENT BAR DIAGRAMS, AND ARRANGEMENT OF REINFORCEMENT SHALL BE SHOWN.
23. CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615 (GRADE 60).
24. ALL SPLICES IN CONCRETE REINFORCEMENT SHALL BE CLASS B LAP SPLICES UNLESS NOTED OTHERWISE. ADJACENT SPLICES SHALL BE STAGGERED A MINIMUM OF 3'-0" UNLESS DETAILED OTHERWISE. REFER TO LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE.
25. PROVIDE CORNER BARS AT ALL CORNERS AND WALL INTERSECTIONS.
26. SLAB-ON-GRADE CONTROL JOINTS SHALL BE PLACED AS INDICATED ON STRUCTURAL DRAWINGS. SAW CUTTING SHALL BE PERFORMED AS SOON AS CUT WILL NOT RAVEL THE JOINT.
27. 1/2" EXPANSION JOINT MATERIAL SHALL BE PLACED WHERE SLABS ABUT ALL VERTICAL SURFACES.
28. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064. WELDED WIRE FABRIC SHALL BE LAPPED ONE WIRE SPACE PLUS 2" FOR PLAIN WIRE AND 8" FOR DEFORMED WIRE.
29. SMOOTH FACED FORMS SHALL BE USED FOR ALL CONCRETE EXPOSED TO VIEW.

MASONRY

1. CONCRETE MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM TO ACI 530 "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES."
2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90 AND SHALL BE NORMAL WEIGHT UNITS UNLESS SPECIFICALLY NOTED. MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY UNITS SHALL BE AS INDICATED IN DESIGN INFORMATION.
3. COMPRESSIVE STRENGTH OF MASONRY SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD AS SET FORTH IN ACI 530.
4. MORTAR SHALL BE TYPE M OR S (RECOMMENDED BELOW GRADE) AND SHALL COMPLY WITH ASTM C270, PROPORTIONS OR PROPERTIES SPECIFICATION.
5. GROUT SHALL COMPLY WITH ASTM C476 PROPERTIES SPECIFICATION, OR SHALL BE PROPORTIONED TO OBTAIN A DOCUMENTED 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. AGGREGATE SHALL BE 3/8" MAXIMUM SIZE.
6. REINFORCEMENT SHALL COMPLY WITH ASTM A615 (GRADE 60). REINFORCING BARS SHOWN AS BENT OR HOOKED SHALL BE SHOP FABRICATED.
7. REINFORCEMENT SHALL BE SECURELY PLACED IN ACCORDANCE WITH ACI 530.
8. REINFORCED CELLS SHALL BE SOLIDLY FILLED WITH GROUT WITH REINFORCING PLACED PRIOR TO GROUTING. GROUT SHALL BE A WORKABLE MIXTURE, THOROUGHLY MIXED AND SUITABLE FOR PUMPING WITHOUT SEGREGATION. GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION AND RECONSOLIDATED IN ACCORDANCE WITH ACI 530.
9. ALL BOND BEAMS, REINFORCED CELLS AND CELLS WITH EXPANSION BOLTS, EMBED PLATES OR OTHER ANCHORS SHALL BE GROUTED SOLID. GROUT PROCEDURE SHALL COMPLY WITH ACI 530.
10. LAP CONTINUOUS REINFORCEMENT ACCORDING TO LAP SPLICE SCHEDULE.
11. LINTELS SHALL BEAR A MINIMUM OF 8" UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE GROUT BELOW BEARING 16" DEEP BY 16" LONG.
12. CONTRACTOR SHALL COORDINATE POCKETS FOR STEEL BEAMS AND COLUMNS. GROUT 16" DEEP AND 16" LONG UNDER BEAM BEARING UNLESS NOTED OTHERWISE.
13. FROM THE SUPPORTING STRUCTURE, PROVIDE REINFORCING DOWELS OF THE SAME SIZE AND SPACING AS VERTICAL ELEMENT REINFORCEMENT. DOWELS SHALL HAVE STANDARD ACI HOOKS INTO FOOTING. LAP LENGTH FOR DOWELS FROM FOUNDATION MAY BE 36 BAR DIAMETERS UNLESS NOTED OTHERWISE.
14. PROVIDE STANDARD GALVANIZED W1.7 LADDER TYPE HORIZONTAL JOINT REINFORCEMENT IN MASONRY WALLS AT 16" o/c. JOINT REINFORCEMENT SHALL BE 8" o/c IN PARAPET WALLS. DISCONTINUE JOINT REINFORCING AT CONTROL JOINTS.
15. PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS REINFORCEMENT AS SHOWN IN THE SECTIONS AND DETAILS. DISCONTINUE ALL HORIZONTAL REINFORCEMENT AT CONTROL JOINTS EXCEPT FOR THE BOND BEAMS AT FLOORS AND ROOF. BOND BEAMS SHALL BE PROVIDED AT ALL FLOOR AND ROOF LINES. STEP BOND BEAM AS REQUIRED TO MATCH ROOF SLOPES. UNLESS NOTED OTHERWISE, PROVIDE BOND BEAM WITH (2) #5 ABOVE AND BELOW ALL OPENINGS AND EXTEND BARS AT LEAST 24" PAST OPENING.
16. VERTICAL CONTROL JOINTS IN CMU WALLS SHALL BE LOCATED AS FOLLOWS:
    A. MAXIMUM OF 10'-0" FROM BUILDING CORNERS.
    B. MINIMUM OF WALL HEIGHT+1.5 AND 2'-0" o/c.
    C. AT CHANGES IN WALL HEIGHT OR THICKNESS.
    D. AT WALLS ADJACENT TO COLUMNS.
    E. AT CONSTRUCTION AND EXPANSION JOINTS IN FOUNDATIONS, ROOFS AND FLOORS.
17. DO NOT LOCATE CONTROL JOINTS WITHIN 24" OF STEEL BEAM BEARING LOCATIONS.
18. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS IN MASONRY VENEER.
19. PROVIDE (1) VERTICAL BAR MATCHING TYPICAL WALL REINFORCING IN SOLID GROUTED CELLS EACH SIDE OF ALL CONTROL JOINTS, AT WALL ENDS AND CORNERS. PROVIDE (1) VERTICAL BAR MATCHING TYPICAL WALL FOR FULL HEIGHT OF WALL AT ALL OPENINGS. ADDITIONAL REINFORCING IS CALLED OUT ON PLANS.
20. STARTER COURSES OF MASONRY ON FOUNDATIONS AND WHERE THICKNESS CHANGES SHALL BE SET IN FULLY BEDDED JOINTS. WHERE THICKNESS CHANGES OCCUR, MASONRY AT THE CHANGE SHALL BE GROUTED SOLID.
21. COLD AND HOT WEATHER MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.
22. LOW LIFT GROUTING SHALL LIMIT GROUT POURS TO 5'-0" o/c MAXIMUM. HIGH LIFT GROUTING POURS SHALL BE LIMITED TO A MAXIMUM HEIGHT OF 6'-0" AND REQUIRE CLEANOUTS AT MAXIMUM OF 48" o/c.
23. BRACING OF MASONRY WALL DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
24. ALL WALLS SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
25. AT WALL CORNERS WHERE BOND BEAMS INTERSECT AT DIFFERENT ELEVATIONS, RUN EACH BOND BEAM AROUND CORNER FOR A MINIMUM OF 32". WHERE BOND BEAMS ADJOIN ON THE SAME WALL AT DIFFERENT ELEVATIONS, LAP BOND BEAMS PAST EACH OTHER A MINIMUM OF 64".
26. PROVIDE CORNER BARS MATCHING BOND BEAM REINFORCING AT ALL CORNERS. LAP 48 BAR DIAMETERS WITH BOND BEAM REINFORCING.
27. VERTICAL REINFORCING DETAILED IN THESE NOTES OR SHOWN ON PLANS SHALL EXTEND FROM FOUNDATION TO TOP OF WALL UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

1. DESIGN, DETAILING (INCLUDING CONNECTIONS), FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CODE REFERENCED STANDARDS OF AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."
2. WELDS SHALL CONFORM TO AWS D1.1 UNLESS NOTED OTHERWISE. WELDING SHALL BE DONE BY WELDERS HOLDING CURRENT CERTIFICATES IN THE TYPE OF WELDS SHOWN ON THE CONSTRUCTION DRAWINGS. ALL MISCELLANEOUS FILLET WELDS NOT NOTED, INCLUDING THOSE FOR STIFFENERS, MISCELLANEOUS PLATES, ETC SHALL BE PER AISC 360, TABLE J2.4
3. CONTRACTOR SHALL SUBMIT STRUCTURAL STEEL SHOP DRAWINGS IN ACCORDANCE WITH AISC 360 AND AISC 303. CONTRACTOR MUST REVIEW AND STAMP SHOP DRAWINGS PRIOR TO SUBMITTING TO THE ARCHITECT.
4. CONTRACTOR SHALL DETERMINE, FURNISH AND INSTALL TEMPORARY BRACING REQUIRED TO SAFELY ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC 303 AND OSHA REQUIREMENTS. BRACING SHALL BE LEFT IN PLACE UNTIL THE PERMANENT STRUCTURE IS IN PLACE AND SECURE.
5. STRUCTURAL STEEL SHALL BE TRUE AND PLUMB BEFORE FINAL CONNECTIONS ARE SECURED AND PRIOR TO PLACING OR APPLYING OTHER MATERIALS TO THE BUILDING STRUCTURE.
6. BEAMS SHALL BE ERECTED WITH THE NATURAL OR DESIGN CAMBER (WITHIN MILL TOLERANCE) WITH THE CROWN OF THE CAMBER AT THE TOP.
7. CONTRACTOR SHALL COORDINATE WORK BETWEEN THE STEEL SUPPLIER AND STEEL JOIST SUPPLIER.
8. STEEL CONNECTIONS SHALL BE DETAILED AS INDICATED ON THE CONSTRUCTION DRAWINGS. WHERE CONNECTIONS ARE NOT DETAILED, THE FABRICATOR IS ALLOWED TO DETAIL THE CONNECTIONS BASED ON THE BEAM REACTIONS SHOWN AND THE FOLLOWING:
    A. ALL REACTIONS ARE SERVICE LEVEL.
    B. SELECTION OF CONNECTIONS SHALL BE BASED ON ASD.
    C. USE OF STANDARD DETAILS SHOWN ON CONSTRUCTION DRAWINGS.
9. ALTERNATE CONNECTIONS TO THOSE SHOWN MAY BE CONSIDERED. APPROVAL BY THE STRUCTURAL ENGINEER IS REQUIRED.
10. ANY HOLES, CUTS OR COPING OF STEEL IN THE FIELD MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO WORK. CONTRACTOR SHALL COORDINATE ALL HOLES REQUIRED BY OTHER TRADES WITH STRUCTURAL ENGINEER PRIOR TO WORK.
11. OVERSIZED OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE CONSTRUCTION DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
12. ALL BOLTS SHALL BE A325-N UNLESS NOTED OTHERWISE AND INSTALLED SNUG TIGHT UNLESS NOTED OTHERWISE. BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS."
13. SPLICES SHALL BE ALLOWED ONLY AT LOCATIONS INDICATED ON CONSTRUCTION DRAWINGS UNLESS APPROVED BY STRUCTURAL ENGINEER.
14. CONTRACTOR SHALL COORDINATE EMBEDDED ITEMS AND CONNECTION MATERIALS THAT ARE PART OF THE WORK OF OTHER TRADES BUT THAT WILL RECEIVE STRUCTURAL STEEL.
15. BASE PLATES SHALL BE GROUTED IMMEDIATELY AFTER THE STRUCTURAL STEEL FRAME OR PORTION THEREOF HAS BEEN PLUMBED.
16. STAIRS, HANDRAILS, AND GUARDRAILS SHALL BE DESIGNED AND DETAILED BY THE STEEL SUPPLIER. CONNECTIONS INTO SURROUNDING STRUCTURE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
17. PROVIDE 3/16" CAP PLATES AT THE ENDS OF ALL EXPOSED HSS AND PIPE MEMBERS, UNLESS NOTED OTHERWISE.
18. WEEP HOLES SHALL BE PROVIDED IN EXTERIOR HSS AND PIPE COLUMNS. HOLES SHALL BE 1/2" DIA AND CENTERED 1" ABOVE THE BASEPLATE.
19. COAT STEEL BELOW GRADE STEEL SUBJECTED TO MOISTURE WITH COLD APPLIED ASPHALT EMULSION PER ASTM D1187.
20. REFER TO ARCHITECTURAL PLANS FOR MISCELLANEOUS STEEL NOT DETAILED ON THE STRUCTURAL PLANS.

STEEL JOISTS AND JOIST GIRDERS

1. STEEL JOIST AND JOIST GIRDER DESIGN, MANUFACTURE, APPLICATION, ERECTION STABILITY AND HANDLING SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR K-SERIES, LH-SERIES, DLH-SERIES OPEN WEB STEEL JOISTS AND FOR JOIST GIRDERS."
2. STEEL JOIST AND JOIST GIRDER MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE (SJI).
3. ERECTION SHALL CONFORM TO CURRENT OSHA STANDARDS.
4. CONTRACTOR SHALL SUBMIT STEEL JOIST AND JOIST GIRDER SHOP DRAWINGS PRIOR TO FABRICATION.
5. CONTRACTOR SHALL COORDINATE STEEL JOIST WORK WITH PROJECT STEEL SUPPLIER.
6. BRIDGING SHOWN ON PLANS IS SCHEMATIC. PROVIDE BRIDGING TO MEET CURRENT SJI SPECIFICATION. JOIST BRIDGING SHALL CONFORM TO SJI SPECIFICATIONS, INCLUDING BRIDGING REQUIRED FOR JOISTS SUBJECTED TO UPLIFT LOADS. ENDS OF ALL BRIDGING LINES SHALL BE ANCHORED TO WALLS OR BEAMS.
7. JOISTS AND JOIST GIRDER MEMBERS SHALL NOT BE NOTCHED, CUT OR DRILLED WITHOUT THE APPROVAL OF THE JOIST SUPPLIER.
8. JOISTS DESIGNATED WITH "SP" ON PLANS ARE SPECIAL JOISTS WHICH SHALL BE DESIGNED FOR THE LOADINGS INDICATED.
9. ROOF JOISTS SHALL BE DESIGNED FOR A GROSS UPLIFT OF 13.5 PSF (0.6DL + 0.6WL).
10. PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY THE JOIST BRIDGING.
11. CONTRACTOR SHALL SUBMIT SPRINKLER SHOP DRAWINGS INCLUDING LOADS, LOCATIONS OF PIPING AND HANGER LOCATIONS PRIOR TO FABRICATION OF JOISTS.
12. ALL CONCENTRATED LOADS SHALL OCCUR AT A JOIST PANEL POINT UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO TYPICAL DETAILS WHERE JOIST LOADS DO NOT OCCUR AT A PANEL POINT.
13. PROVIDE CAMBER IN ACCORDANCE TO SJI SPECIFICATIONS.
14. JOIST GIRDERS SHALL BE DESIGNED TO MEET A TOTAL LOAD DEFLECTION OF L/360 UNLESS NOTED OTHERWISE.

STEEL DECK

1. STEEL DECK SHALL BE IN ACCORDANCE WITH AISI, "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND STEEL DECK INSTITUTE SPECIFICATIONS.
2. STEEL DECK SHALL BE INSTALLED PERPENDICULAR TO SUPPORTS AND SHALL HAVE A MINIMUM LAYUP OF THREE SPAN CONTINUOUS.
3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL".
4. PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY STEEL ROOF DECK.
5. STEEL DECK AT BUILDING COLUMNS THAT PASS THROUGH THE DECK SHALL BE SUPPORTED BY L2x2x3/16" ATTACHED TO THE COLUMNS.
6. OPENINGS LESS THAN 12"x12" SHALL BE REINFORCED WITH AN 18"x18" 16 GAGE COVER PLATE. ATTACH COVER PLATE TO DECK USING #12 TEK SCREWS AT 6" o/c AROUND PLATE. WHERE ONE RIB IS CUT, NO REINFORCING IS REQUIRED.
7. OPENINGS LARGER THAN 12"x12" SHOULD BE SUPPORTED BY STEEL SUPPORT FRAMES. REFER TO TYPICAL DETAILS.
8. AT CHANGE IN DECK DIRECTION, SUPPLIER SHALL PROVIDE A 12" CONTINUOUS 22 GAGE PLATE. ATTACHED TO EACH RIB WITH (1) #12 TEK SCREW.
9. STEEL DECK SUPPLIER SHALL PROVIDE ALL NECESSARY ACCESSORIES SUCH AS RIDGE AND VALLEY PLATES, SADDLES, COVER PLATES AND POUR STOPS NOT SPECIFICALLY NOTED ON THE PLANS.
10. MECHANICAL AND ELECTRICAL SHALL NOT BE EMBEDDED IN CONCRETE OVER STEEL DECK UNLESS SPECIFICALLY APPROVED BY STRUCTURAL ENGINEER.

SHOP DRAWINGS

1. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO THE ARCHITECT. ITEMS N

DESIGN INFORMATION

BUILDING CODE

CODE
INTERNATIONAL BUILDING CODE 2021 WITH WISCONSIN 2025 BUILDING CODE AMENDMENTS

GRAVITY SYSTEM

ELEMENT	DEAD LOAD	LIVE LOAD
ROOF	18 PSF	REFER TO SNOW LOAD
MEZZANINE	76 PSF	75 PSF, CONSTRUCTION LIVE LOAD NOT TO EXCEED 50 PSF.

SNOW CRITERIA

CODE INFORMATION	DESIGN INFORMATION
DESIGN SNOW LOAD	25 PSF PLUS DRIFT WHERE INDICATED
FLAT ROOF SNOW LOAD	23.1 PSF
SNOW EXPOSURE FACTOR	Ce = 1.0
SNOW IMPORTANCE FACTOR	Is = 1.1
SNOW OCCUPANCY FACTOR	III
THERMAL FACTOR	Ct = 1.0
GROUND SNOW	Pg = 30 PSF
RAIN ON SNOW SURCHAGE	0 PSF
SLOPED ROOF FACTOR	Cs = 1.0

WIND CRITERIA

CODE INFORMATION	DESIGN INFORMATION
BASIC WIND SPEED (3 SECOND GUST)	114 MPH (ULTIMATE)
WIND DIRECTIONALITY FACTOR	Kd = 0.85
MEAN ROOF HEIGHT	23.6 FT
WIND IMPORTANCE FACTOR	Iw=1.0
WIND OCCUPANCY CATEGORY	III
WIND EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	GCPi = +-0.18
TOPOGRAPHIC FACTOR	Kzt = 1.0
DESIGN PROCEDURE	SIMPLE DIAPHRAGM

ROOF SURFACE WIND PRESSURES ULTIMATE

AREA	10 SF	50 SF	100 SF
NEGATIVE ZONE 1	-49.7 PSF	-42.1 PSF	-38.8 PSF
NEGATIVE ZONE 2	-65.6 PSF	-55.8 PSF	-51.6 PSF
NEGATIVE ZONE 3	-89.3 PSF	-69.8 PSF	-61.3 PSF
POSITIVE ALL ZONES	16.0 PSF	16.0 PSF	16.0 PSF

WALL SURFACE WIND PRESSURES ULTIMATE

AREA	10 SF	100 SF	500 SF
NEGATIVE ZONE 4	-30.9 PSF	-26.7 PSF	-23.8 PSF
NEGATIVE ZONE 5	-38.1 PSF	-29.7 PSF	-23.8 PSF
POSITIVE ZONE 4 AND 5	28.5 PSF	24.3 PSF	21.4 PSF

PARAPET WIND PRESSURES ULTIMATE

CASE	SOLID PARAPET PRESSURE	10 SF	100 SF	500 SF
CASE A: PRESSURE TOWARDS BUILDING	INTERIOR ZONE	85.3 PSF	67.0 PSF	54.1 PSF
CASE A: PRESSURE TOWARDS BUILDING	CORNER ZONE	109.3 PSF	76.8 PSF	54.1 PSF
CASE B: PRESSURE AWAY FROM BUILDING	INTERIOR ZONE	-50.4 PSF	-41.9 PSF	-36.0 PSF
CASE B: PRESSURE AWAY FROM BUILDING	CORNER ZONE	-57.6 PSF	-44.9 PSF	-36.0 PSF

SEISMIC CRITERIA

CODE INFORMATION	DESIGN INFORMATION
SEISMIC IMPORTANCE FACTOR	I - 1.25
OCCUPANCY CATEGORY	III
MAPPED SPECTRAL RESPONSE ACCELERATION (SHORT)	Ss = 8.40%g
MAPPED SPECTRAL RESPONSE ACCELERATION (LONG)	S1 = 5.10%g
SITE CLASS	B
SPECTRAL RESPONSE COEFFICIENT (SHORT)	SDS = 0.050
SPECTRAL RESPONSE COEFFICIENT (LONG)	SD1 = 0.027
SEISMIC DESIGN CATEGORY	A
BASIC SEISMIC FORCE RESISTING SYSTEM	ORDINARY PLAIN MASONRY SHEAR WALLS
DESIGN BASE SHEAR	0.042W
SEISMIC RESPONSE COEFFICIENT	Cs = 0.042
RESPONSE MODIFICATION FACTOR	1.5
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE ANALYSIS

GEOTECHNICAL CRITERIA

INFORMATION	DESIGN INFORMATION
ASSUMED SOIL UNIT WEIGHT	125 PCF
ALLOWABLE NET BEARING PRESSURE	4,000 PSF
SUBGRADE MODULUS	200 PCI
REPORT	BASED ON REPORT PROJECT NUMBER 1G-2505029-1 PREPARED BY GILES ENGINEERING ASSOCIATES, INC. FOR DESCRIPTION OF SOILS.

HANDRAIL AND GUARD LOADING

ALL HANDRAIL AND GUARD SYSTEMS SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LIVE LOAD OF 200 LBS AND A NON-CONCURRENT LIVE LOAD OF 50 PLF. THESE LIVE LOADS SHALL BE APPLIED IN ANY DIRECTION AT ANY POINT ON THE HANDRAIL OR GUARD IN ACCORDANCE WITH IBC AND ASCE 7.4.5.1. REFER TO IBC 2407.1 FOR GLASS HANDRAIL AND GUARD REQUIREMENTS. STEEL FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL STEEL HANDRAILS AND GUARDS AND ASSOCIATED CONNECTIONS.

STEEL DESIGN STRENGTHS

MATERIAL	STRENGTH
REINFORCING STEEL:	
ASTM A615, DEFORMED	Fy = 60 ksi
ASTM A706, LOW ALLOY, WELDABLE	Fy = 60 ksi
ASTM A1064, WELDED WIRE REINFORCEMENT	Fy = 65 ksi
STRUCTURAL STEEL:	
WIDE FLANGE, ASTM A992	Fy = 50 ksi
CHANNELS, ANGLES, S SHAPES, ASTM A36	Fy = 36 ksi
PLATE AND BAR STOCK, ASTM A36	Fy = 36 ksi
RECT HSS MEMBERS, ASTM A500, GRADE B	Fy = 46 ksi
PIPES, ASTM A53, GRADE B	Fy = 35 ksi
COLD-FORMED STEEL:	
18 GAUGE AND THINNER	Fy = 33 ksi
16 GAUGE AND THICKER	Fy = 50 ksi
METALLIC COATING DESIGNATION	G90
CONNECTIONS:	
BOLTS (PLAIN AND GALVANIZED)	ASTM A325
NUTS	ASTM A563
WASHERS	ASTM F436
TWIST-OFF TENSION CONTROL BOLTS	ASTM F1852
COMPRESSIBLE WASHER TYPE DIRECT TENSION	ASTM F959
ANCHOR RODS (GRADE SPECIFIED ON PLANS)	ASTM F1554
THREADED RODS	ASTM A36
SHEAR STUD CONNECTORS	ASTM A29
CLEVISES AND TURNBUCKLES	AISI C-1035
STEEL EYE NUTS AND STEEL EYE BOLTS	AISI C-1030
SLEEVE NUTS	AISI C-1018, GR 2
FILLER METAL FOR WELDS, ANSI/AWS D1.1	E70xx
FILLER METAL FOR REINFORCING BARS	E80xx
NON-METALLIC, NON-SHRINK GROUT	ASTM C1107

COLUMN BASE PLATE SCHEDULE

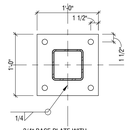
NOTES:

1. REFER TO PLAN FOR TOP OF CONCRETE ELEVATIONS.
2. PROVIDE ANCHOR RODS WITH NUT/WASHER ABOVE BASE PLATE AND LEVELING NUT/WASHER BELOW BASE PLATE. TACK WELD A NUT TO THE ROD END. AT FABRICATOR'S OPTION, SETTING PLATE MAY BE USED.
3. PROVIDE GROUT BED CONSISTING ON NON-SHRINK, NON-METALLIC GROUT. GROUT TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 8,000 PSI. PROVIDE GROUT HOLES IN THE BASE PLATE AS NECESSARY. REFER TO SCHEDULE FOR MINIMUM GROUT BED THICKNESS.

MINIMUM GROUT PAD THICKNESS

ANCHOR BOLT DIAMETER (INCHES)	GROUT PAD THICKNESS (INCHES)
1/2" TO 1"	1 1/2"
1 1/4" TO 1 1/2"	2"
1 3/4" TO 2"	2 1/2"

4. BASE PLATES SHALL BE FINISHED IN ACCORDANCE WITH AISC 360, CHAPTER M.
5. COLUMN BASES SHALL BE SET LEVEL AND TO CORRECT ELEVATION WITH FULL BEARING ON CONCRETE OR MASONRY.

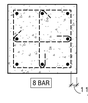


3/4" BASE PLATE WITH
(4) 3/4" DIA ASTM F1554 GR 36
ANCHOR BOLTS WITH TACK
WELDED NUT AT END. PROVIDE
10" EMBEDMENT

BP1

CONCRETE PIER SCHEDULE

TYPICAL CONCRETE PIER REINFORCING



NOTES:

1. PROVIDE (3) TIES AT 1 1/2"o/c. LOCATE TOP TIE 2" FROM TOP OF PIER
2. WHERE NO SPECIFIC DOWELS ARE NOTED, VERTICAL PIER REINFORCING SHALL BE PLACED INTO FOOTING. PROVIDE STANDARD 90 DEGREE HOOK. LOCATE HOOK 3" FROM BOTTOM OF FOOTING
3. WHERE A PIER IS LOCATED IN A WALL, WALL HORIZONTAL BARS ARE TO RUN CONTINUOUS THROUGH PIER.
4. ALL CONCRETE PIERS ARE TO BE CENTERED ON GRID LINES UNLESS NOTED OTHERWISE
5. LAP DOWELS WITH PIER VERTICALS MAXIMUM OF 30 BAR DIAMETERS OR 24", WHICHEVER IS MORE, UNLESS NOTED OTHERWISE
6. WHERE MASONRY PIERS REST ON CONCRETE PIERS, ALIGN VERTICAL BARS OF EACH ELEMENT

MARK	SIZE	VERTICAL REINFORCEMENT	TIES	COMMENTS
P20	20"x20"	(8) #5	#3 AT 12" o/c	

MASONRY DESIGN STRENGTHS

MATERIAL	STRENGTH
CONCRETE MASONRY UNITS:	
NET AREA COMPRESSIVE STRENGTH	f'm = 2,500 psi
USING TYPE M OR S MORTAR	f'c = 3,250 psi
USING TYPE N MORTAR (ABOVE GRADE ONLY)	f'c = 4,350 psi
MASONRY GROUT	f'c = 3,000 psi

MASONRY SPLICE LENGTHS

BAR SIZE	BAR w/ 1-1/2" COVER	BAR w/ 2" COVER	BAR CENTERED IN 8" CMU	BAR CENTERED IN 10" CMU	BAR CENTERED IN 12" CMU
#3	17"	15"	12"	12"	12"
#4	30"	22"	13"	12"	12"
#5	32"	34"	20"	15"	13"
#6	39"	39"	37"	29"	24"
#7	45"	45"	45"	40"	33"
#8	52"	52"	52"	52"	50"

MASONRY LINTEL SCHEDULE

NOTES:

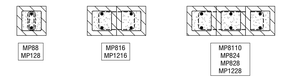
1. LINTEL BEARING SHALL BE 8" UNLESS NOTED OTHERWISE.
2. LINTEL BOTTOM PLATE SHALL BE EQUAL TO THE WALL WIDTH LESS 1". REFER TO ARCHITECTURAL DRAWINGS FOR WALL WIDTH AND MASONRY OPENING. OFFSET PLATES TO CARRY VENEER.
3. GROUT MASONRY SOLID A MINIMUM OF 16" WIDE x 16" VERTICAL UNDER ALL LINTELS UNLESS NOTED OTHERWISE.

MARK	LINTEL SPECIFICS	COMMENTS
L1	8" BOND BEAM w/ (2) #5	
L2	16" BOND BEAM w/ (2) #5	
L3	24" BOND BEAM w/ (2) #5	
L4	W8x18	PROVIDE 1/4" BOTTOM PLATE
L5	W8x18	PROVIDE 5/16" BOTTOM PLATE EXTENDED TO CARRY EXTERIOR FACADE
L6	W8x24	PROVIDE 1/4" BOTTOM PLATE
L7	W8x24	PROVIDE 5/16" BOTTOM PLATE EXTENDED TO CARRY EXTERIOR FACADE. PROVIDE 3/8" DIAx4" LONG HEADED STUDS AT 32" o/c AT TOP FLANGE.
L8	W8x28	PROVIDE 1/4" BOTTOM PLATE
L10	W16x36	PROVIDE 1/4" BOTTOM PLATE
L11	W16x36	PROVIDE 5/16" BOTTOM PLATE EXTENDED TO CARRY EXTERIOR FACADE
L12	W16x36	PROVIDE 5/16" BOTTOM PLATE EXTENDED TO CARRY EXTERIOR FACADE. PROVIDE 3/8" DIAx4" LONG HEADED STUDS AT 32" o/c AT TOP FLANGE.
L13	W16x40	PROVIDE 5/16" BOTTOM PLATE EXTENDED TO CARRY EXTERIOR FACADE. PROVIDE 3/8" DIAx4" LONG HEADED STUDS AT 32" o/c AT TOP FLANGE. 12" BEARING.

MASONRY PIER SCHEDULE

MARK	SIZE	VERTICAL REINFORCEMENT	TIES	COMMENTS
MP88	7 5/8"x8"	(2) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP816	7 5/8"x16"	(4) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP8110	7 5/8"x22"	(4) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP824	7 5/8"x24"	(6) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP828	7 5/8"x32"	(6) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP128	11 5/8"x8"	(2) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP1216	11 5/8"x16"	(4) #5	#3 AT 8" o/c	(1) BAR EACH FACE
MP1228	11 5/8"x32"	(6) #5	#3 AT 8" o/c	(1) BAR EACH FACE

MASONRY PIER REINFORCING



7 S002 MASONRY PIER PLANS
3/4" = 1'-0"

CONCRETE DESIGN STRENGTHS

ELEMENT	CONCRETE STRENGTH	MAX AGGREGATE	MAX w/c RATIO	AIR CONTENT	SLUMP
FOOTINGS	3,000 PSI	1-1/2"	0.59	NONE	5"
FOUNDATION WALLS/PIERS	4,000 PSI	3/4"	0.50	6% +/-1.5%	4"
EXTERIOR WALLS/PIERS	4,000 PSI	3/4"	0.50	5% +/-1%	4"
SLAB ON GRADE - INTERIOR (4" OR LESS THICKNESS)	3,500 PSI	1"	0.48	NONE	4"
SLAB ON GRADE -INTERIOR (5" OR GREATER THICKNESS)	3,500 PSI	1-1/2"	0.48	NONE	4"
SLAB ON GRADE - EXTERIOR	4,500 PSI	3/4"	0.45	6% +/-1.5%	4"
CONCRETE ON METAL DECK	4,000 PSI	3/4"	0.48	NONE	4"
LEAN CONCRETE	500 PSI	1-1/2"	0.55	NONE	6"

CONCRETE REINFORCING LAP SCHEDULE

CONCRETE = 3000 psi		CONCRETE = 4000 psi		CONCRETE = 5000 psi		CONCRETE = 6000 psi	
BAR SIZE	LAP LENGTH	BAR SIZE	LAP LENGTH	BAR SIZE	LAP LENGTH	BAR SIZE	LAP LENGTH
#3	22"	#3	19"	#3	17"	#3	16"
#4	29"	#4	25"	#4	22"	#4	21"
#5	36"	#5	31"	#5	28"	#5	26"
#6	43"	#6	37"	#6	33"	#6	31"
#7	63"	#7	54"	#7	49"	#7	44"
#8	72"	#8	62"	#8	55"	#8	51"
#9	81"	#9	70"	#9	63'	#9	57"
#10	91"	#10	79"	#10	70 "	#10	64"
#11	101"	#11	87"	#11	78"	#11	71"

FOOTING SCHEDULES

NOTES:

1. REFER TO GENERAL NOTES FOR COVER REQUIREMENTS.
2. REFER TO CONCRETE REINFORCING LAP SCHEDULE FOR REINFORCING LAP.

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING		COMMENTS
			LONGITUDINAL	TRANSVERSE	
W20	2'-0"	1'-0"	(2) #5xCONT		
W208	2'-0"	1'-0"	(2) #5xCONT		

THICKENED SLAB SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING		COMMENTS
			LONGITUDINAL	TRANSVERSE	
TS20	2'-0"	1'-0"	(2) #5xCONT		
TS26	2'-6"	1'-0"	(2) #5xCONT		

COLUMN FOOTING SCHEDULE

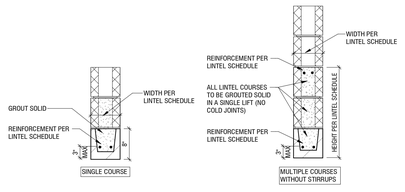
MARK	WIDTH	LENGTH	THICKNESS	REINFORCING		COMMENTS
				LONGITUDINAL	TRANSVERSE	
F30	3'-0"	3'-0"	1'-0"	(3) #4 BOTTOM	(3) #4 BOTTOM	
F40	4'-0"	4'-0"	1'-0"	(4) #5 BOTTOM	(4) #5 BOTTOM	

LOOSE LINTEL SCHEDULE

MASONRY OPENING	ANGLE SIZE
0 TO 5'-0"	L4x4x5/16
5'-1" TO 7'-0"	L5x3 1/2x5/16 (LLV)
7'-1" TO 9'-0"	L6x4x5/16 (LLV)
9'-1" TO 10'-0"	L6x4x3/8 (LLV)

LOOSE LINTEL FINISH

FINISH	USE
PLAIN	
GALVANIZED	X
COATING SUITABLE FOR EXTERIOR EXPOSURE	
STAINLESS STEEL	



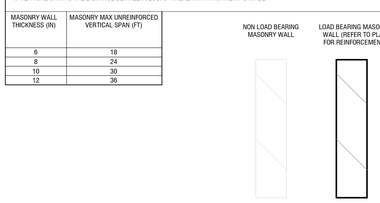
5 S002 MASONRY LINTELS
3/4" = 1'-0"

NON-LOADBEARING INTERIOR MASONRY WALLS

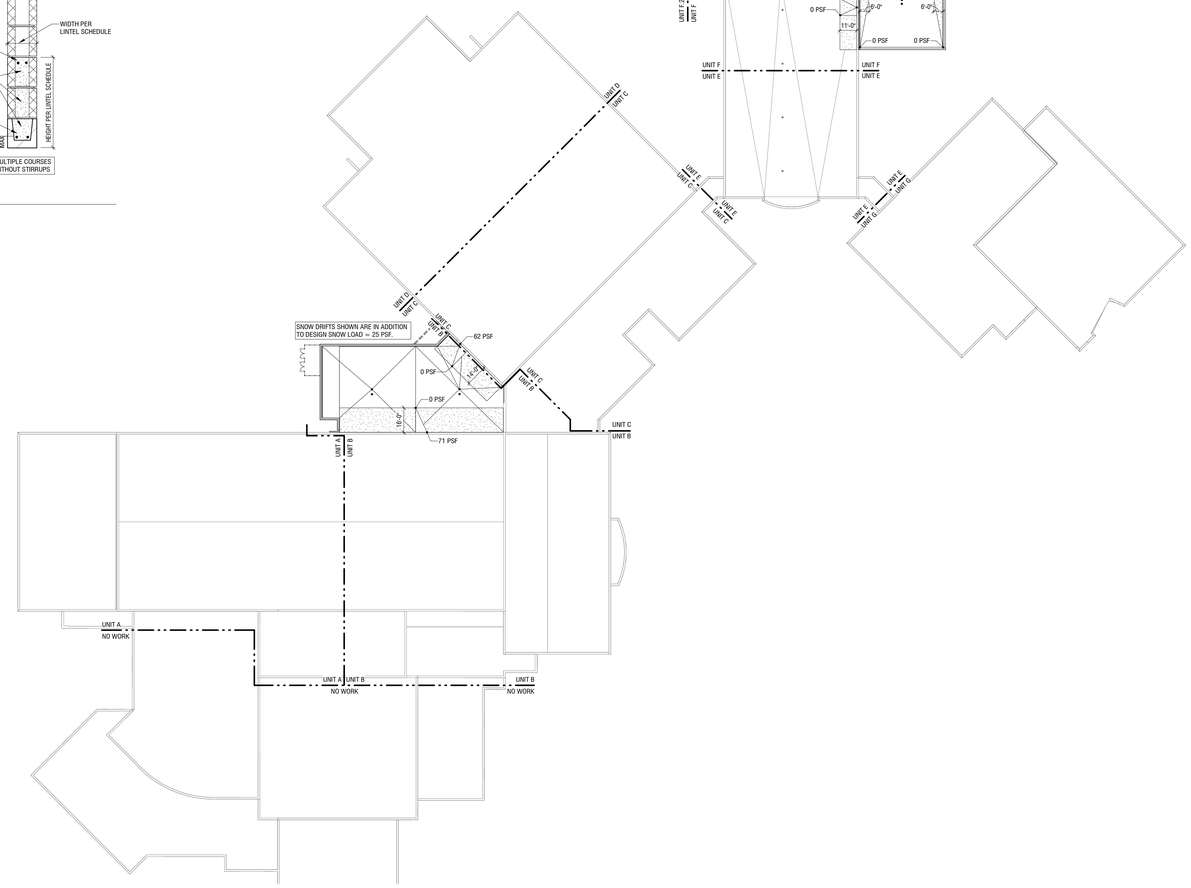
NOTES:

1. ALL MASONRY WALLS NOT INDICATED AS LOAD BEARING ON STRUCTURAL DRAWINGS ARE TO FOLLOW SCHEDULE BELOW.
2. SCHEDULE ONLY APPLIES TO INTERIOR MASONRY WALLS
3. AT LOCATIONS WHERE REQUIREMENTS ARE NOT MET, REINFORCEMENT IS REQUIRED.
4. VERTICAL SPAN IS THE DISTANCE BETWEEN FLOORS WHERE AN ATTACHMENT IS MADE

MASONRY WALL THICKNESS (IN)	MASONRY MAX UNREINFORCED VERTICAL SPAN (FT)
6	18
8	24
10	30
12	36



3 S002 MASONRY LATERAL SUPPORT DETAIL
3/4" = 1'-0"



4 S002 SNOW DRIFT PLAN
1" = 40'-0"

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
STRUCTURAL SCHEDULES

Sheet Number:
S002

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2021 IBC SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL CONFORM TO INTERNATIONAL BUILDING CODE CHAPTER 17 AND ANY LOCAL AMENDMENTS.
2. SPECIAL INSPECTIONS SHALL BE CARRIED OUT ACCORDING TO "THE STATEMENT OF SPECIAL INSPECTIONS".
3. LABORATORIES FOR MATERIAL TESTING AND/OR AGENCIES FOR TESTING SERVICES SHALL BE SELECTED BY, CONTRACTED BY AND RESPONSIBLE TO THE OWNER. THE SPECIAL INSPECTOR SHALL BE A COMPETENT QUALIFIED INDIVIDUAL/AGENCY WHO CAN PROVIDE ALL NECESSARY INFORMATION REGARDING INSPECTIONS TO THE BUILDING OFFICIAL.
4. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, PROJECT ARCHITECT, PROJECT STRUCTURAL ENGINEER, CONTRACTOR AND OWNER.
5. THE SPECIAL INSPECTION AGENCY SHALL KEEP RECORDS OF INSPECTIONS AND SHALL PROVIDE RECORDS/REPORTS TO THE BUILDING OFFICIAL AND REGISTERED PROFESSIONAL OF RECORD.
6. FAILED INSPECTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR, BUILDING OFFICIAL AND PROFESSIONAL OF RECORD. ALL FAILED INSPECTIONS AND DISCREPANCIES SHALL BE CORRECTED AFTER NOTIFYING THE PROFESSIONAL OF RECORD.
7. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT INDICATING THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPENCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

Structural Schedule of Special Inspections

Definitions

QC — Tasks listed for QC are those inspections performed by the QCI (the fabricator's and/or erector's quality control inspector) to ensure that the work is performed in accordance with the construction documents. Refer to AISC Chapter N and SDI QA/QC Standard.

QA — Tasks listed for QA are those inspections performed by the QAI (quality assurance inspector) to ensure that the work is performed in accordance with the construction documents. Refer to AISC Chapter N and SDI QA/QC Standard.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided to the Special Inspector for their records. *NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN THE SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.*

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

PE/SE — Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE — Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT — Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

Experienced Testing Technician

ETT — Experienced Testing Technician – An Experienced Testing Technician with a minimum 5 years experience with the stipulated test or inspection

American Institute of Steel Construction (AISC)
Refer to AISC Chapter N Section N4 for inspector qualification requirements.

American Concrete Institute (ACI) Certification

ACI-CFTT — Concrete Field Testing Technician – Grade 1
ACI-CCI — Concrete Construction Inspector
ACI-LTT — Laboratory Testing Technician – Grade 1&2
ACI-STT — Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI — Certified Welding Inspector
AWS/AISC-SSI — Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT — Non-Destructive Testing Technician – Level II or III.

International Code Council (ICC) Certification

ICC-SMSI — Structural Masonry Special Inspector
ICC-SWSI — Structural Steel and Welding Special Inspector
ICC-SFSI — Spray-Applied Fireproofing Special Inspector
ICC-PCSI — Prestressed Concrete Special Inspector
ICC-RCSI — Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT — Concrete Technician – Levels I, II, III & IV
NICET-ST — Soils Technician - Levels I, II, III & IV
NICET-GET — Geotechnical Engineering Technician - Levels I, II, III & IV

Structural Schedule of Special Inspections
FABRICATION AND IMPLEMENTATION PROCEDURES – STRUCTURAL STEEL

VERIFICATION AND INSPECTION IBC Section 1704.2.5.1	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Fabrications Procedures: Review of the fabricator's written fabrication procedures and quality control manuals that provide a basis for control of materials and workmanship, with periodic auditing of fabrication and quality control practices by an approved agency or the building official. -OR- 2. AISC Certification	Y	S	Fabricator shall submit one of the two qualifications		PE/SE or EIT	
3. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the owner or the owner's authorized agent for submittal to the building official as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents	Y	S	IBC 1704.2.5.1		PE/SE or EIT	

Structural Schedule of Special Inspections
STRUCTURAL STEEL – OTHER INSPECTION TASKS

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Section N5	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Erected steel frame					
a. Verify compliance with the details shown on the construction documents, such as braces, stiffeners, member locations and proper application of joint details at each connection.	Y	P	--		
2. Anchor rods and other embedments supporting structural steel					
a. Prior to placement of concrete, verify compliance with construction documents, including diameter, grade, type and length of anchor rod or embedded item, and the extent or depth of embedment into the concrete	Y	--	P	DOCUMENT	
3. Fabricated steel or erected steel frame					
a. Verify compliance with the details shown on the construction documents	Y	--	P		
4. Document acceptance or rejection of joint details	Y	P	P		
5. Protected zone – no holes and unapproved attachments made by fabricator or erector, as applicable.	Y	P	P	DOCUMENT	

Structural Schedule of Special Inspections
STRUCTURAL STEEL – WELDING
STEEL INSPECTION PRIOR TO WELDING

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Table N5.4-1	Y/N	QC: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	QA: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	COMMENTS	TASK COMPLETED
1. Welder qualification records and continuity records	Y	P	O		
2. Verify that the welding procedures specification (WPS) is available	Y	P	P		
3. Verify manufacturer certifications for welding consumables are available	Y	P	P		
4. Verify material identification (type/grade)	Y	O	O		
5. Welder Identification System	Y	O	O		
6. Fit-up of groove welds (including joint geometry)					
a. Joint preparation	Y	O	O		
b. Dimensions (alignment, root opening, root face, bevel)	Y	O	O		
c. Cleanliness (condition of steel surfaces)	Y	O	O		
d. Tacking (tack weld quality and location)	Y	O	O		
e. Backing type and fit (if applicable)	Y	O	O		
7. Fit-up of CJP groove welds of HSS T-, Y- & K-joints without backing (including joint geometry)					
a. Joint preparation	Y	P	O		
b. Dimensions (alignment, root opening, root face, bevel)	Y	P	O		
c. Cleanliness (condition of steel surfaces)	Y	P	O		
d. Tacking (tack weld quality and location)	Y	P	O		
8. Configuration and finish of access holes	Y	P	O		
9. Fit-up of fillet welds					
a. Dimensions (alignment, gaps at root)	Y	O	O		
b. Cleanliness (condition of steel surfaces)	Y	O	O		
c. Tacking (tack weld quality and location)	Y	O	O		
10. Check welding equipment	Y	O	-		
11. Specific assembly order, welding sequence, welding technique, or other special precautions for joints or groups of joints.	Y	P	P	DOCUMENT	
12. Manufacturer's product data sheets or catalog data for shielded metal arc welding (SMAW), flux cored arc welding (FCAW), and gas metal arc welding (GMAW) composite (cored) filler metals to be used.	Y	P	P	DOCUMENT	

Structural Schedule of Special Inspections
STRUCTURAL STEEL – WELDING
STEEL INSPECTION DURING WELDING

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Table C-N5.4-2	Y/N	QC: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	QA: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	COMMENTS	TASK COMPLETED
13. Control and handling of welding consumables					
a. Packaging	Y	O	O		
b. Exposure control	Y	O	O		
14. No welding over cracked tack welds	Y	O	O		
15. Environmental conditions					
a. Wind speed within limits	Y	O	O		
b. Precipitation and temperature	Y	O	O		
16. Welding Procedures Specification followed					
a. Settings on welding equipment	Y	O	O		
b. Travel speed	Y	O	O		
c. Selected welding materials	Y	O	O		
d. Shielding gas type/flow rate	Y	O	O		
e. Preheat applied	Y	O	O		
f. Interpass temperature maintained (min/max)	Y	O	O		
g. Proper position (F, V, H, OH)	Y	O	O		
17. Welding techniques					
a. Interpass and final cleaning	Y	O	O		
b. Each pass within profile limitations	Y	O	O		
c. Each pass meets quality requirements	Y	O	O		
18. Placement and installation of steel headed stud anchors	Y	P	P		
19. Use of qualified welders	Y	O	O		
20. No welding over cracked tacks	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – WELDING
STEEL INSPECTION AFTER WELDING

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Table C-N5.4-3	Y/N	QC: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	QA: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	COMMENTS	TASK COMPLETED
21. Welds cleaned	Y	O	O		
22. Size, length, and location of all welds	Y	P	P		
23. Welds meet visual acceptance criteria					
a. Crack prohibition	Y	P	P	DOCUMENT	
b. Weld/base-metal fusion	Y	P	P	DOCUMENT	
c. Crater cross section	Y	P	P	DOCUMENT	
d. Weld profiles	Y	P	P	DOCUMENT	
e. Weld size	Y	P	P	DOCUMENT	
f. Undercut	Y	P	P	DOCUMENT	
g. Porosity	Y	P	P	DOCUMENT	
24. Arc strikes	Y	P	P		
25. k-area	Y	P	P	DOCUMENT	
26. Placement of reinforcing for contouring fillet welds where required	Y	P	P	DOCUMENT	
27. Backing removed, weld tabs removed and finished, and fillet welds added where required	Y	P	P	DOCUMENT	
28. Repair activities	Y	P	P		
29. Document acceptance or rejection of welded joint or member	Y	P	P		
30. No prohibited welds have been added without the approval of the EOR	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – BOLTING
STEEL INSPECTION PRIOR TO BOLTING

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Table N5.6-1	Y/N	QC: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	QA: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	COMMENTS	TASK COMPLETED
1. Manufacturer's certifications available for fastener materials	Y	O	P		
2. Fasteners marked in accordance with ASTM requirements	Y	O	O		
3. Correct fasteners selected for joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	Y	O	O		
4. Correct bolting procedure selected for joint detail	Y	O	O		
5. Connecting elements, including appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	Y	O	O		
6. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	Y	P	O	DOCUMENT	
7. Protected storage provided for bolts, nuts, washers, and other fastener components	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – BOLTING
STEEL INSPECTION DURING BOLTING

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Table N5.6-2	Y/N	QC: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	QA: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	COMMENTS	TASK COMPLETED
8. Fastener assemblies of suitable condition, placed in all holes and washers (if required) are positioned as required	Y	O	O		
9. Joint brought to the snug-tight condition prior to pretensioning operation	Y	O	O		
10. Fastener component not turned by the wrench prevented from rotating	Y	O	O		
11. Bolts are pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – BOLTING
STEEL INSPECTION AFTER BOLTING

VERIFICATION AND INSPECTION IBC Section 1705.2.1 AISC 360-16 Table N5.6-3	Y/N	QC: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	QA: (O) OBSERVE RANDOMLY OR (P) PERFORM FOR EACH WELD	COMMENTS	TASK COMPLETED
12. Document acceptance or rejection of all bolted connections	Y	P	P	DOCUMENT	

Structural Schedule of Special Inspections
OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

VERIFICATION AND INSPECTION IBC Table 1705.2.3	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Installation of open-web steel joists and joist girders						
a. End connections – welding or bolted	Y	P	SJI 2207.1			
b. Bridging – horizontal or diagonal						
1. Standard bridging	Y	P	SJI 2207.1			
2. Bridging that differs from the SJI specifications listed in Section 2207.1	Y	P				

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION PRIOR TO DECK PLACEMENT

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.1	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness	Y	P	P		
2. Document acceptance or rejection of deck and deck accessories	Y	P	P		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION AFTER DECK PLACEMENT

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.2	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Verify compliance of deck and all deck accessories installation with construction documents	Y	P	P		
2. Verify deck materials are represented by the mill certifications that comply with the construction documents	Y	N/A	P		
3. Document acceptance or rejection of installation of deck and deck accessories	Y	P	P		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION PRIOR TO WELDING

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.3	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Welding procedure specification (WPS) available	Y	O	O		
2. Manufacturers certifications for welding consumables available	Y	O	O		
3. Material identification (type/grade)	Y	O	O		
4. Check welding equipment	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION DURING WELDING

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.4	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Use of qualified welders	Y	O	O		
2. Control and handling of welding consumables	Y	O	O		
3. Environmental conditions (wind speed, moisture, temperature)	Y	O	O		
4. WPS followed	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION AFTER WELDING

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.5	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Verify size and location of welds, including support, sidelap, and perimeter welds.	Y	P	P		
2. Welds meet visual acceptance criteria	Y	P	P		
3. Verify repair activities	Y	P	P		
4. Document acceptance or rejection of welds	Y	P	P		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION PRIOR TO MECHANICAL FASTENING

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.6	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Manufacturer installation instructions available for mechanical fasteners	Y	O	O		
2. Proper tools available for fastener installation	Y	O	O		
3. Proper storage for mechanical fasteners	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION DURING MECHANICAL FASTENING

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.7	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Fasteners are positioned as required	Y	O	O		
2. Fasteners are installed in accordance with manufacturer's instructions	Y	O	O		

Structural Schedule of Special Inspections
STRUCTURAL STEEL – COLD-FORMED METAL DECK
INSPECTION AFTER MECHANICAL FASTENING

VERIFICATION AND INSPECTION IBC Section 1705.2.2 SDI QA/QC Table 1.8	Y/N	QC: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	QA: (O) OBSERVE INTERMITTENTLY OR (P) PERFORM FOR EACH ITEM	COMMENTS	TASK COMPLETED
1. Check spacing, type, and installation of support fasteners	Y	P	P		
2. Check spacing, type, and installation of sidelap fasteners	Y	P	P		
3. Check spacing, type, and installation of perimeter fasteners	Y	P	P		
4. Verify repair activities	Y	P	P		
5. Document acceptance or rejection of mechanical fasteners	Y	P	P		

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REYN PROJECT NO: 25187

Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
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ISSUANCES + REVISIONS:

Δ	DATE	DESCRIPTION

Issued for:
CONSTUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SPECIAL INSPECTIONS

Sheet Number:
S003

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2021 IBC SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL CONFORM TO INTERNATIONAL BUILDING CODE CHAPTER 17 AND ANY LOCAL AMENDMENTS.
2. SPECIAL INSPECTIONS SHALL BE CARRIED OUT ACCORDING TO "THE STATEMENT OF SPECIAL INSPECTIONS".
3. LABORATORIES FOR MATERIAL TESTING AND/OR AGENCIES FOR TESTING SERVICES SHALL BE SELECTED BY, CONTRACTED BY AND RESPONSIBLE TO THE OWNER. THE SPECIAL INSPECTOR SHALL BE A COMPETENT QUALIFIED INDIVIDUAL/AGENCY WHO CAN PROVIDE ALL NECESSARY INFORMATION REGARDING INSPECTIONS TO THE BUILDING OFFICIAL.
4. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, PROJECT ARCHITECT, PROJECT STRUCTURAL ENGINEER, CONTRACTOR AND OWNER.
5. THE SPECIAL INSPECTION AGENCY SHALL KEEP RECORDS OF INSPECTIONS AND SHALL PROVIDE RECORDS/REPORTS TO THE BUILDING OFFICIAL AND REGISTERED PROFESSIONAL OF RECORD.
6. FAILED INSPECTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR, BUILDING OFFICIAL AND PROFESSIONAL OF RECORD. ALL FAILED INSPECTIONS AND DISCREPANCIES SHALL BE CORRECTED AFTER NOTIFYING THE PROFESSIONAL OF RECORD.
7. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT INDICATING THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPENCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

Structural Schedule of Special Inspections

Definitions

QC — Tasks listed for QC are those inspections performed by the QCI (the fabricator's and/or erector's quality control inspector) to ensure that the work is performed in accordance with the construction documents. Refer to AISC Chapter N and SDI QA/QC Standard.

QA — Tasks listed for QA are those inspections performed by the OAI (quality assurance inspector) to ensure that the work is performed in accordance with the construction documents. Refer to AISC Chapter N and SDI QA/QC Standard.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided to the Special Inspector for their records. *NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN THE SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.*

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

PE/SE — Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE — Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT — Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

Experienced Testing Technician

ETT — Experienced Testing Technician – An Experienced Testing Technician with a minimum 5 years experience with the stipulated test or inspection

American Institute of Steel Construction (AISC)
Refer to AISC Chapter N Section N4 for inspector qualification requirements.

American Concrete Institute (ACI) Certification

ACI-CFTT — Concrete Field Testing Technician – Grade 1
ACI-CCI — Concrete Construction Inspector
ACI-LTT — Laboratory Testing Technician – Grade 1&2
ACI-STT — Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI — Certified Welding Inspector
AWS/AISC-SSI — Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT — Non-Destructive Testing Technician – Level II or III.

International Code Council (ICC) Certification

ICC-SMSI — Structural Masonry Special Inspector
ICC-SWSI — Structural Steel and Welding Special Inspector
ICC-SFSI — Spray-Applied Fireproofing Special Inspector
ICC-PCSI — Prestressed Concrete Special Inspector
ICC-RCSI — Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT — Concrete Technician – Levels I, II, III & IV
NICET-ST — Soils Technician - Levels I, II, III & IV
NICET-GET — Geotechnical Engineering Technician - Levels I, II, III & IV

Structural Schedule of Special Inspections
CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION IBC Table 1705.3	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Y	P	ACI 318: 20, 25.2, 25.3, 26.6.1-26.6.3		PE/SE or EIT	
2. Reinforcing bar welding:						
a. Verify weldability of reinforcing bars other than ASTM A 706;	Y	P	AWS D1.4 ACI 318: 26.6.4		PE/SE or EIT	
b. Inspect single-pass welds, maximum 5/16"; and	Y	P			PE/SE or EIT	
c. Inspect all other welds.	Y	C			PE/SE or EIT	
3. Inspect anchors cast in concrete.	Y	P	ACI 318: 17.8.2		PE/SE or EIT	
4. Inspect anchors post-installed in hardened concrete members.						
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	Y	C	ACI 318: 17.8.2.4		PE/SE or EIT	
b. Mechanical anchors and adhesive anchors not defined in 4.a.	Y	P	ACI 318: 17.8.2		PE/SE or EIT	
5. Verifying use of required design mix.	Y	P	IBC: 1904.1, 1904.2, ACI 318: Ch. 19, 26.4.3, 26.4.4		PE/SE or EIT	
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Y	C	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12		ACI-CFTT or ACI-STT	
7. Inspect concrete and shotcrete placement for proper application techniques.	Y	C	ACI 318: 26.5		PE/SE or EIT	
8. Verify maintenance of specified curing temperature and techniques.	Y	P	ACI 318: 26.5.3-26.5.5		PE/SE or EIT	
9. Inspect prestressed concrete for:			ACI 318: 26.10			
a. Application of prestressing force; and	N	C			PE/SE or EIT	
b. Grouting of bonded prestressing tendons.	N	C			PE/SE or EIT	
10. Inspect erection of precast concrete members.	N	P	ACI 318: 26.9		PE/SE or EIT	
11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, inspect such connections and reinforcement in the field for:						
a. Installation of the embedded parts	Y	C	ACI 318: 26.13.1.3, ACI 550.5			
b. Completion of the continuity of reinforcement across joints	Y	C				
c. Completion of connections in the field	Y	C				
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5	Y	P	ACI 318: 26.13.1.3			
13. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	N	P	ACI 318: 26.11.2		ACI-STT	
14. Inspect formwork for shape, location and dimensions of concrete member being formed.	Y	P	ACI 318: 26.11.1.2(b)		ACI-STT	

Structural Schedule of Special Inspections
MINIMUM VERIFICATION REQUIREMENTS FOR MASONRY CONSTRUCTION

VERIFICATION REQUIREMENTS TMS 402-16/TMS 602-16 TABLE 3	REQUIRED FOR QUALITY ASSURANCE (Y/N)			REFERENCE FOR CRITERIA		AGENT QUALIFICATION	TASK COMPLETED
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602		
1. Prior to construction, verification of compliance of submittals	Y	Y	Y		Art. 1.5		
2. Prior to construction, verification of f'_m and f'_{AAC}, except where specifically exempted by the code	N	Y	Y		Art. 1.4 B		
3. During construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout if delivered to the project site	N	Y	Y		Art. 1.5 & 1.6.3		
4. During construction, verification of f'_m and f'_{AAC} for every 5,000 sq. ft. (465 sq. m).	N	N	Y		Art. 1.4 B		
5. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	N	N	Y		Art. 1.4 B		

Structural Schedule of Special Inspections
MASONRY CONSTRUCTION

VERIFICATION REQUIREMENTS TMS 402-16/TMS 602-16 TABLE 4	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE			REFERENCE FOR CRITERIA		AGENT QUALIFICATION	TASK COMPLETED
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602		
1. As masonry construction begins, verify that the following are in compliance							
a. Proportions of site-prepared mortar	--	P	P		Art. 2.1 & 2.6 A & C	PE/SE or EIT	
b. Grade and size of prestressing tendons and anchorages	--	P	P		Art. 2.4 B & 2.4 K & L	PE/SE or EIT	
c. Grade, type and size of reinforcement, connectors, and anchor bolts	--	P	P		Art. 2.4 A, D, E, F, G, I, & J	PE/SE or EIT	
d. Prestressing technique	--	P	P		Art. 3.6 B	PE/SE or EIT	
e. Properties of thin-bed mortar or AAC masonry	--	C (1)/P (2)	C		Art. 2.1 DC.1	PE/SE or EIT	
f. Sample panel construction	--	P	C		Art. 1.6 D	PE/SE or EIT	
2. Prior to construction, verification of the following are in compliance							
a. Grout space	--	P	C		Art. 3.2 D & 3.2 F	PE/SE or EIT	
b. Placement of prestressing tendons and anchorages	--	P	P	Sec. 10.8 & 10.9	Art. 3.6	PE/SE or EIT	
c. Placement of reinforcement, connectors, and anchor bolts	--	P	C	Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7	Art. 3.2 E & 3.4	PE/SE or EIT	
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	--	P	P		Art. 2.6 B & 2.4K.1.b	PE/SE or EIT	
3. Verify compliance of the following during construction:							
1. Materials and procedures with the approved submittals	--	P	P		Art. 1.5	PE/SE or EIT	
2. Placement of masonry units and mortar joint construction	--	P	P		Art. 3.3 B	PE/SE or EIT	
3. Size and location of structural members	--	P	P		Art. 3.3 G	PE/SE or EIT	
4. Type, size, and location of anchors, including other details of anchorage of masonry to structural member, frames, or other construction	--	P	C	Sec. 1.2.1(e), 6.2.1, & 6.3.1		PE/SE or EIT	
5. Type, size, and location of veneer ties & movement joints	P (3)	P (3)	--	Sec. 13.2	Art. 3.4 E	PE/SE or EIT	
6. Installation of adhered veneer	P (3)	P (3)	--	Sec. 13.3	Art. 3.3 D	PE/SE or EIT	
7. Welding of reinforcement	--	C	C	Sec. 6.1.7.3		PE/SE or EIT	
8. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F (4.4°C)) or hot weather (temperature above 90°F (32.2°C)	--	P	P		Art. 1.8 C & D	PE/SE or EIT	
9. Application and measurement of prestressing force	--	C	C		Art. 3.6 B	PE/SE or EIT	
10. Placement of grout	--	C	C		Art. 3.5	PE/SE or EIT	
11. Placement of prestressing grout for bonded tendons	--	C	C		3.6 C	PE/SE or EIT	
12. Placement of AAC masonry units and construction of thin-bed mortar joints	--	C (1)/P (2)	C		Art. 3.3 B.8 & 3.3 G.1.b	PE/SE or EIT	
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	--	P	C		Art. 1.4 B.2.a.3, B.2.b.3, B.2.c.3, B.3, & B.4	PE/SE or EIT	

(1) Required for the first 5000 square feet (465 square meters) of AAC masonry.

(2) Required after the first 5000 square feet (465 square meter) of AAC masonry.

(3) Periodic inspection of veneers is required when the height of the veneer exceeds 60 ft (18.3 m) above grade plane.

Structural Schedule of Special Inspections
SOILS

VERIFICATION AND INSPECTION IBC Section 1705.6	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Y	P			PE/GE, EIT or ETT	
2. Verify excavations are extended to proper depth and have reached proper material.	Y	P			PE/GE, EIT or ETT	
3. Perform classification and testing of compacted fill materials.	Y	P			PE/GE, EIT or ETT	
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Y	C			PE/GE, EIT or ETT	
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	Y	P			PE/GE, EIT or ETT	

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12/19/2025

Project Number:
3705

Sheet Title:
SPECIAL INSPECTIONS

Sheet Number:
S004

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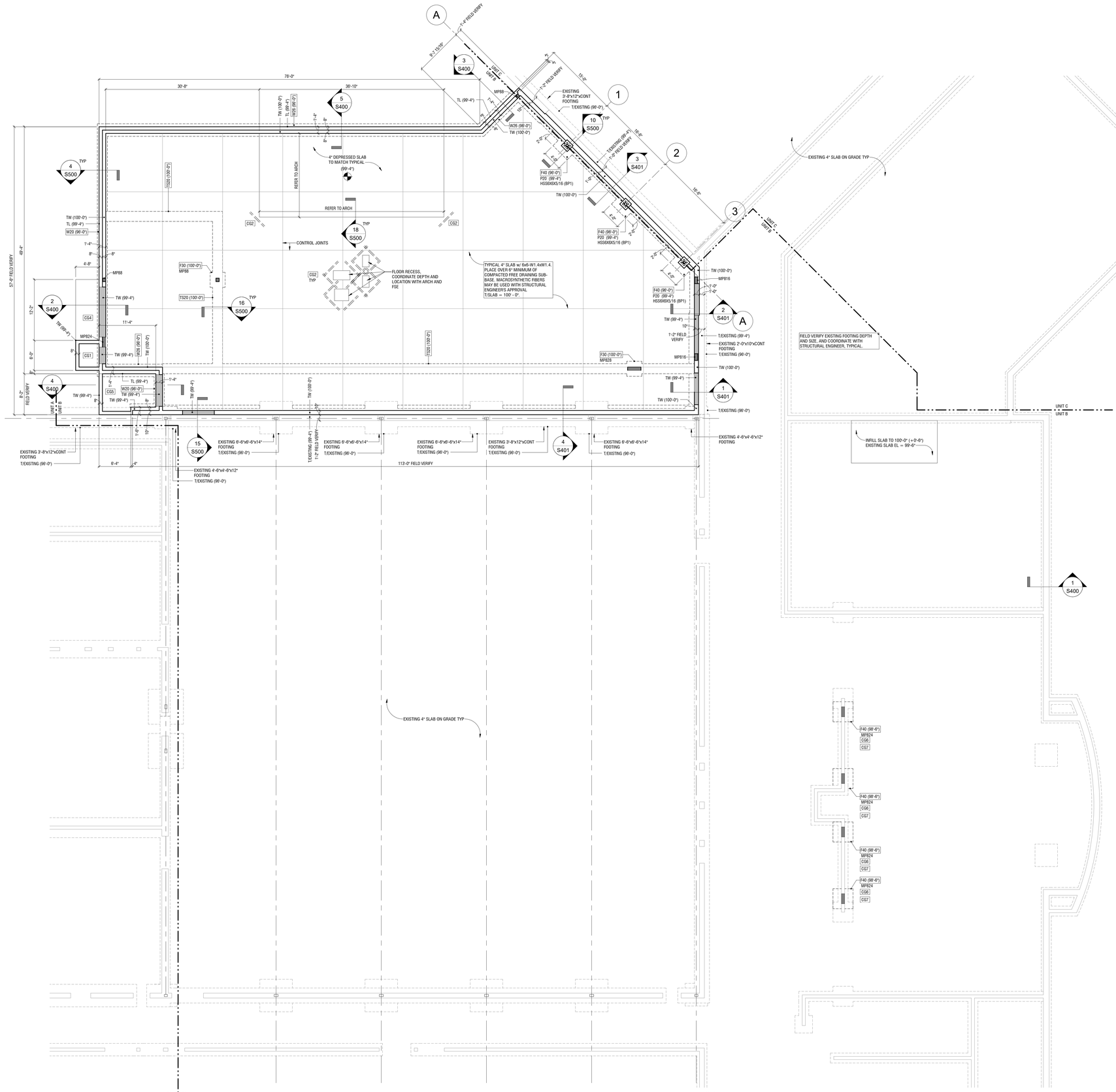
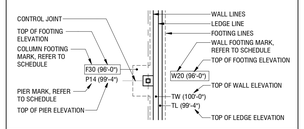


CONCRETE FOUNDATION LEGEND

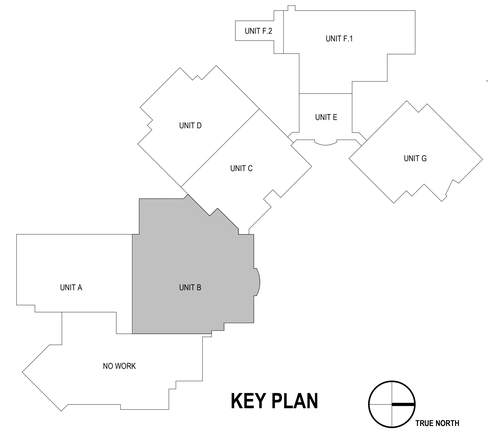


CONCRETE FOUNDATION PLAN NOTES

1. REFER TO GENERAL NOTES FOR ADDITIONAL STRUCTURAL NOTES AND FOUNDATION REQUIREMENTS.
2. ELEVATION 100'-0" ON STRUCTURAL PLANS CORRESPONDS TO FINISHED FLOOR ELEVATION ON CIVIL PLANS.
3. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PLANS. COORDINATE DISCREPANCIES WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. REFER TO COLUMN BASE PLATE SCHEDULE FOR BASE PLATE INFORMATION.
5. REFER TO FRAMING PLANS FOR MASONRY WALL REINFORCING.
6. ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOILS AND/OR STRUCTURAL FILL. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION, STRUCTURAL FILL, FOOTING DRAINS AND OTHER REQUIREMENTS.
7. VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO ANY DRILLING OR EXCAVATION.
8. COORDINATE AND VERIFY LOCATION OF ALL UNDERGROUND WORK PRIOR TO POURING CONCRETE SLAB.
9. CONTRACTOR TO BE AWARE OF POSSIBLE NEED OF OVER EXCAVATION OF POOR SOILS. SOIL BEARING CAPACITY IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER PRIOR TO POURING ANY FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FOR AREA DEFINITION.
10. CONTRACTOR TO BE AWARE OF POSSIBLE BEDROCK EXCAVATION. BEDROCK SUITABILITY FOR BEARING IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER PRIOR TO POURING ANY FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FOR AREA DEFINITION.
11. GENERAL CONTRACTOR TO COORDINATE THE INSTALLATION OF A CONCRETE ENCASED GROUNDING ELECTRODE WITH ELECTRICAL CONTRACTOR AND CONCRETE CONTRACTOR IF REQUIRED. COORDINATE WITH ELECTRICAL CONTRACTOR

CONCRETE FOUNDATION PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
CG1	5" THICK REINFORCED CONCRETE STOOP SLAB. REFER TO TYPICAL DETAIL.
CG2	(2) #4x4'-0" LONG BARS TYP AT RE-ENTRANT CORNERS. LOCATE IN CENTER OF SLAB.
CG3	(8) #4x4'-0" LONG BARS CENTERED ON COLUMN. LOCATE IN CENTER OF SLAB. REFER TO 11/S500
CG4	6" THICK REINFORCED CONCRETE APRON SLAB. REFER TO SECTION AT OVERHEAD APRON DETAIL, SEE ARCH AND CIVIL FOR SPECIFICATIONS.
CG5	6" THICK CONCRETE STOOP SLAB. PROVIDE #5 EPOXY COATED AT 8" o/c. REFER TO TYPICAL DETAIL.
CG6	CUT BACK EXISTING SLAB ON GRADE AND FOUNDATIONS BELOW. REFER TO SLAB ON GRADE INFILL DETAIL.
CG7	PROVIDE PINWHEEL CONTROL JOINTS IN SLAB ON GRADE INFILL.



KEY PLAN

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1 FOUNDATION PLAN - UNIT B (S100B)
1/8" = 1'-0"

UNIT A UNIT B NO WORK

UNIT B NO WORK

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REYN PROJECT NO: 25187

Project Title:
ADDITION AND RENOVATIONS
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WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
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ISSUANCES + REVISIONS:

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Issued for:
CONSTUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT B - FOUNDATION PLAN

Sheet Number:
S100B

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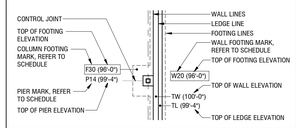
CONCRETE FOUNDATION LEGEND

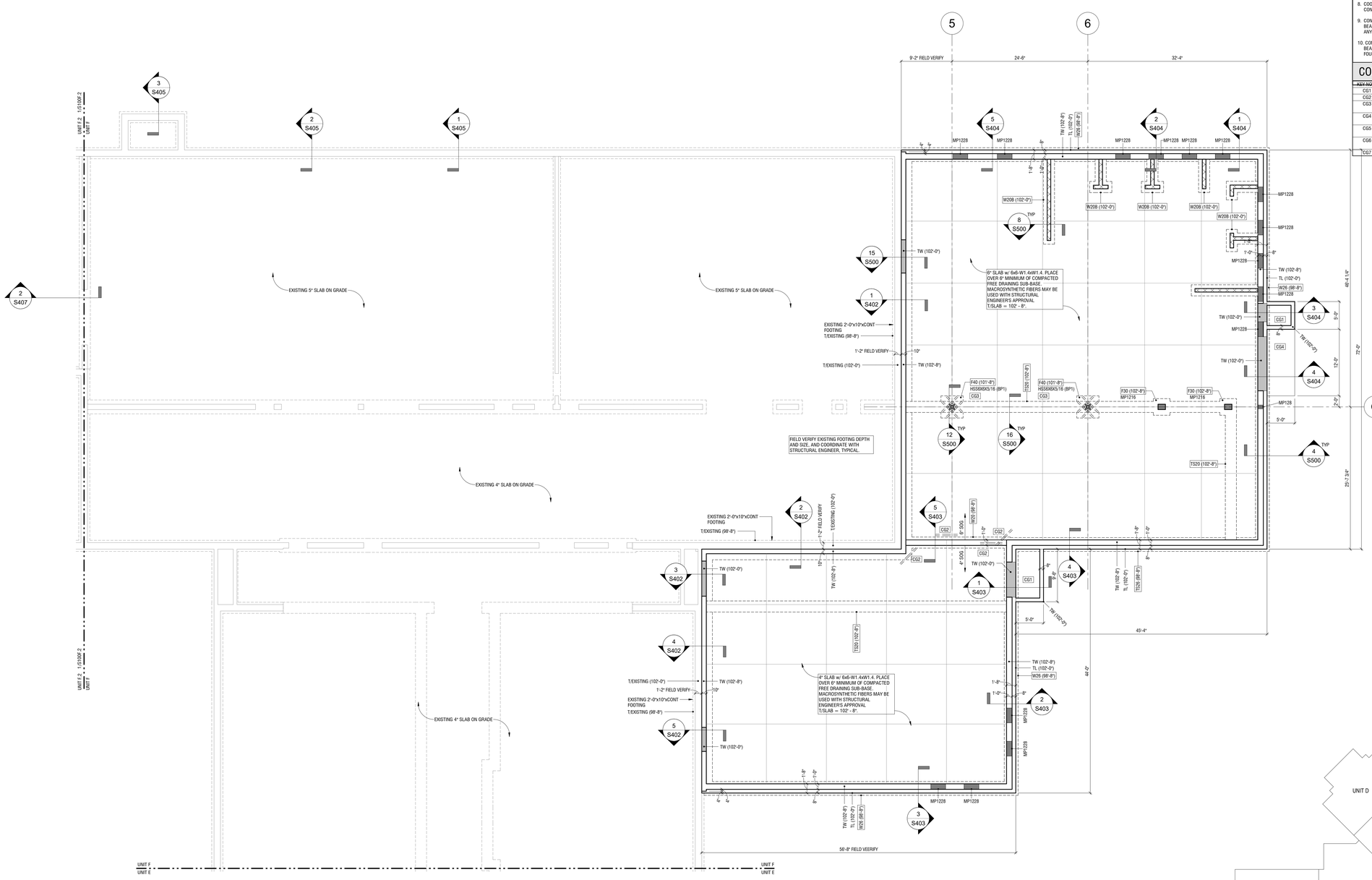


CONCRETE FOUNDATION PLAN NOTES

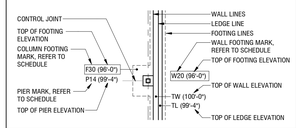
1. REFER TO GENERAL NOTES FOR ADDITIONAL STRUCTURAL NOTES AND FOUNDATION REQUIREMENTS.
2. ELEVATION 100'-0" ON STRUCTURAL PLANS CORRESPONDS TO FINISHED FLOOR ELEVATION ON CIVIL PLANS.
3. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PLANS. COORDINATE DISCREPANCIES WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. REFER TO COLUMN BASE PLATE SCHEDULE FOR BASE PLATE INFORMATION.
5. REFER TO FRAMING PLANS FOR MASONRY WALL REINFORCING.
6. ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOILS AND/OR STRUCTURAL FILL. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION, STRUCTURAL FILL, FOOTING DRAINS AND OTHER REQUIREMENTS.
7. VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO ANY DRILLING OR EXCAVATION.
8. COORDINATE AND VERIFY LOCATION OF ALL UNDERGROUND WORK PRIOR TO POURING CONCRETE SLAB.
9. CONTRACTOR TO BE AWARE OF POSSIBLE NEED OF OVER EXCAVATION OF POOR SOILS. SOIL BEARING CAPACITY IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER PRIOR TO POURING ANY FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FOR AREA DEFINITION.
10. CONTRACTOR TO BE AWARE OF POSSIBLE BEDROCK EXCAVATION. BEDROCK SUITABILITY FOR BEARING IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER PRIOR TO POURING ANY FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FOR AREA DEFINITION.

CONCRETE FOUNDATION PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
CG1	5" THICK REINFORCED CONCRETE STOOP SLAB. REFER TO TYPICAL DETAIL.
CG2	(2) #4x4'-0" LONG BARS TYP AT RE-ENTRANT CORNERS. LOCATE IN CENTER OF SLAB.
CG3	(8) #4x4'-0" LONG BARS CENTERED ON COLUMN. LOCATE IN CENTER OF SLAB. REFER TO
CG4	6" THICK REINFORCED CONCRETE APRON SLAB. REFER TO SECTION AT OVERHEAD APRON DETAIL. SEE ARCH AND CIVIL FOR SPECIFICATIONS.
CG5	6" THICK CONCRETE STOOP SLAB. PROVIDE #5 EPOXY COATED AT 8" o/c. REFER TO TYPICAL DETAIL.
CG6	CUT BACK EXISTING SLAB ON GRADE AND FOUNDATIONS BELOW. REFER TO SLAB ON GRADE INFILL DETAIL.
CG7	PROVIDE PINWHEEL CONTROL JOINTS IN SLAB ON GRADE INFILL.


5
6
9'-2" FIELD VERIFY
24'-6"
32'-4"
UNIT F.2 1/S100F.2
UNIT F
EXISTING 5" SLAB ON GRADE
EXISTING 5" SLAB ON GRADE
EXISTING 4" SLAB ON GRADE
EXISTING 4" SLAB ON GRADE
EXISTING 2'-0"x10"xCONT FOOTING
T/EXISTING (98'-8")
1'-2" FIELD VERIFY
T/EXISTING (102'-0")
10"
TW (102'-8")
TW (102'-0")
6" SLAB w/ 6x6-W1.4xW1.4. PLACE OVER 6" MINIMUM OF COMPACTED FREE DRAINING SUB-BASE. MACROSYNTHETIC FIBERS MAY BE USED WITH STRUCTURAL ENGINEER'S APPROVAL. T/SLAB = 102'-8".
4" SLAB w/ 6x6-W1.4xW1.4. PLACE OVER 6" MINIMUM OF COMPACTED FREE DRAINING SUB-BASE. MACROSYNTHETIC FIBERS MAY BE USED WITH STRUCTURAL ENGINEER'S APPROVAL. T/SLAB = 102' - 8".
FIELD VERIFY EXISTING FOOTING DEPTH AND SIZE, AND COORDINATE WITH STRUCTURAL ENGINEER, TYPICAL.
F40 (101'-8") HSS6X6X5/16 (BP1)
F40 (101'-8") HSS6X6X5/16 (BP1)
F30 (102'-8") MP1216
F30 (102'-8") MP1216
TS20 (102'-8")
TS20 (102'-8")
TS26 (98'-8")
W26 (98'-8")
W20 (98'-8")
W26 (98'-8")
W20 (102'-0")
W20 (102'-0")
W20 (102'-0")
W20 (102'-0")
W20 (102'-0")
MP1228
MP1216
MP1228
MP1228
MP1228

CONCRETE FOUNDATION LEGEND



CONCRETE FOUNDATION PLAN NOTES

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3. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PLANS. COORDINATE DISCREPANCIES WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. REFER TO COLUMN BASE PLATE SCHEDULE FOR BASE PLATE INFORMATION.
5. REFER TO FRAMING PLANS FOR MASONRY WALL REINFORCING.
6. ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOILS AND/OR STRUCTURAL FILL. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION, STRUCTURAL FILL, FOOTING DRAINS AND OTHER REQUIREMENTS.
7. VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO ANY DRILLING OR EXCAVATION.
8. COORDINATE AND VERIFY LOCATION OF ALL UNDERGROUND WORK PRIOR TO POURING CONCRETE SLAB.
9. CONTRACTOR TO BE AWARE OF POSSIBLE NEED OF OVER EXCAVATION OF POOR SOILS. SOIL BEARING CAPACITY IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER PRIOR TO POURING ANY FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FOR AREA DEFINITION.
10. CONTRACTOR TO BE AWARE OF POSSIBLE BEDROCK EXCAVATION. BEDROCK SUITABILITY FOR BEARING IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER PRIOR TO POURING ANY FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FOR AREA DEFINITION.

CONCRETE FOUNDATION PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
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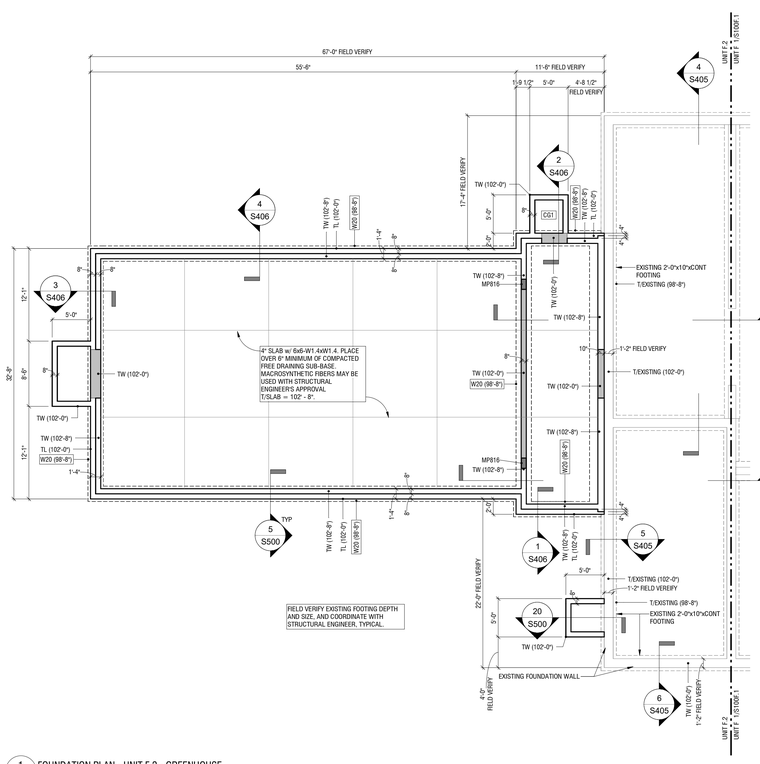
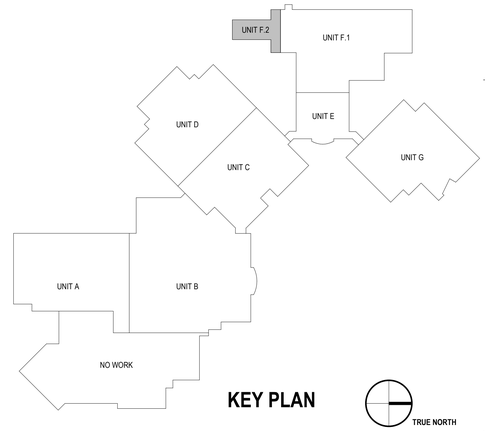


1 S100F.2 FOUNDATION PLAN - UNIT F.2 - GREENHOUSE
1/8" = 1'-0"



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CONSTUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT F.2 - FOUNDATION PLAN

Sheet Number:
S100F.2

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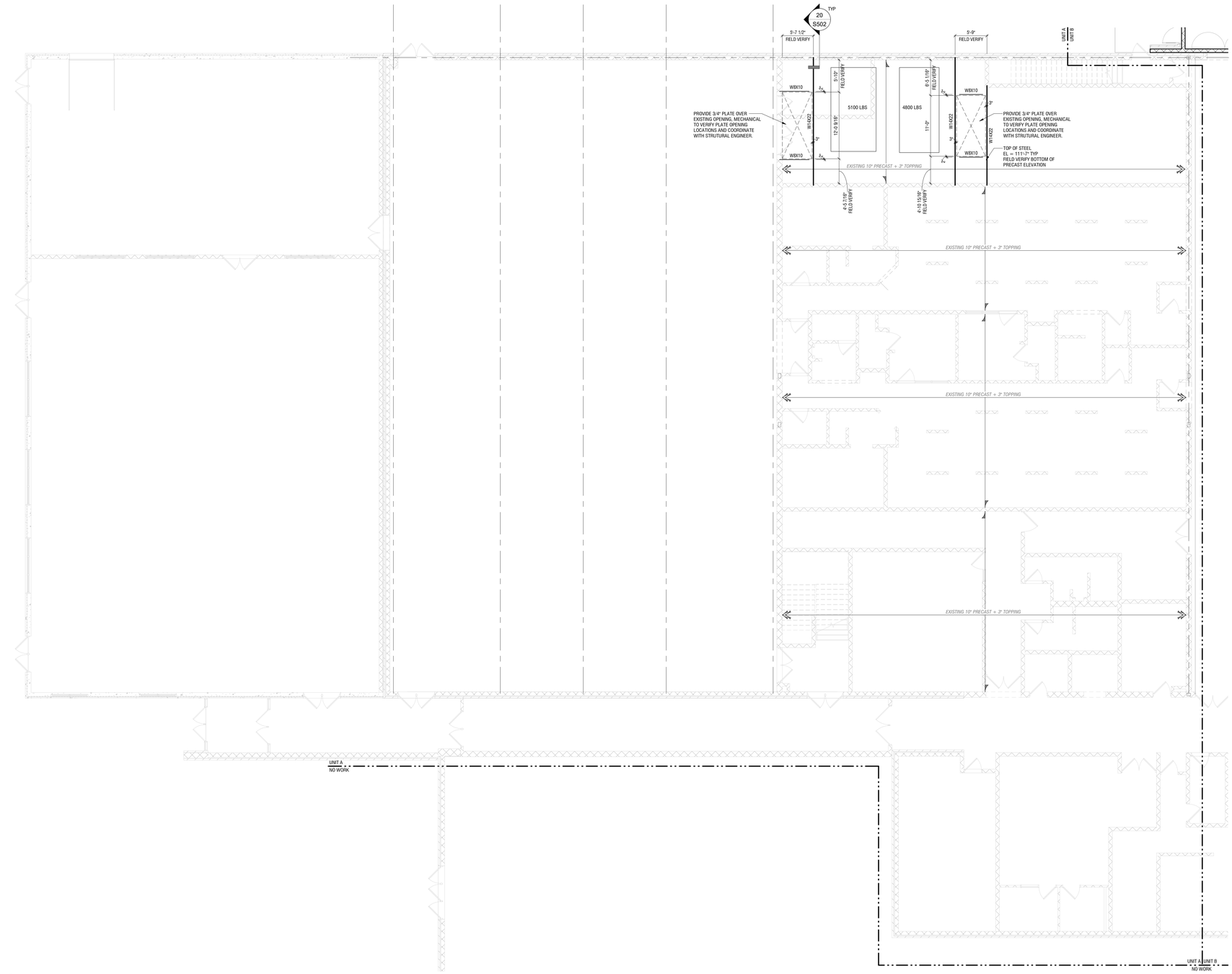
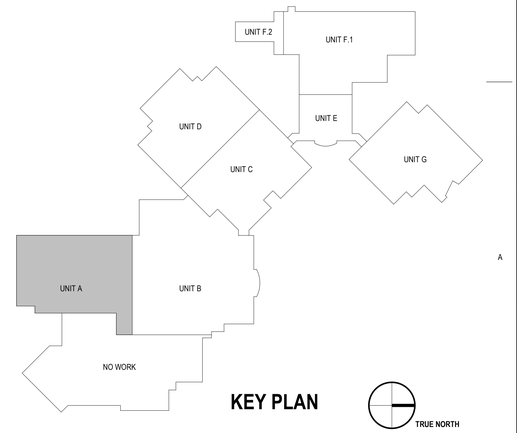


1 S101A FLOOR FRAMING PLAN - UNIT A
1/8" = 1'-0"



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UNIT A - FLOOR FRAMING PLAN

Sheet Number:
S101A

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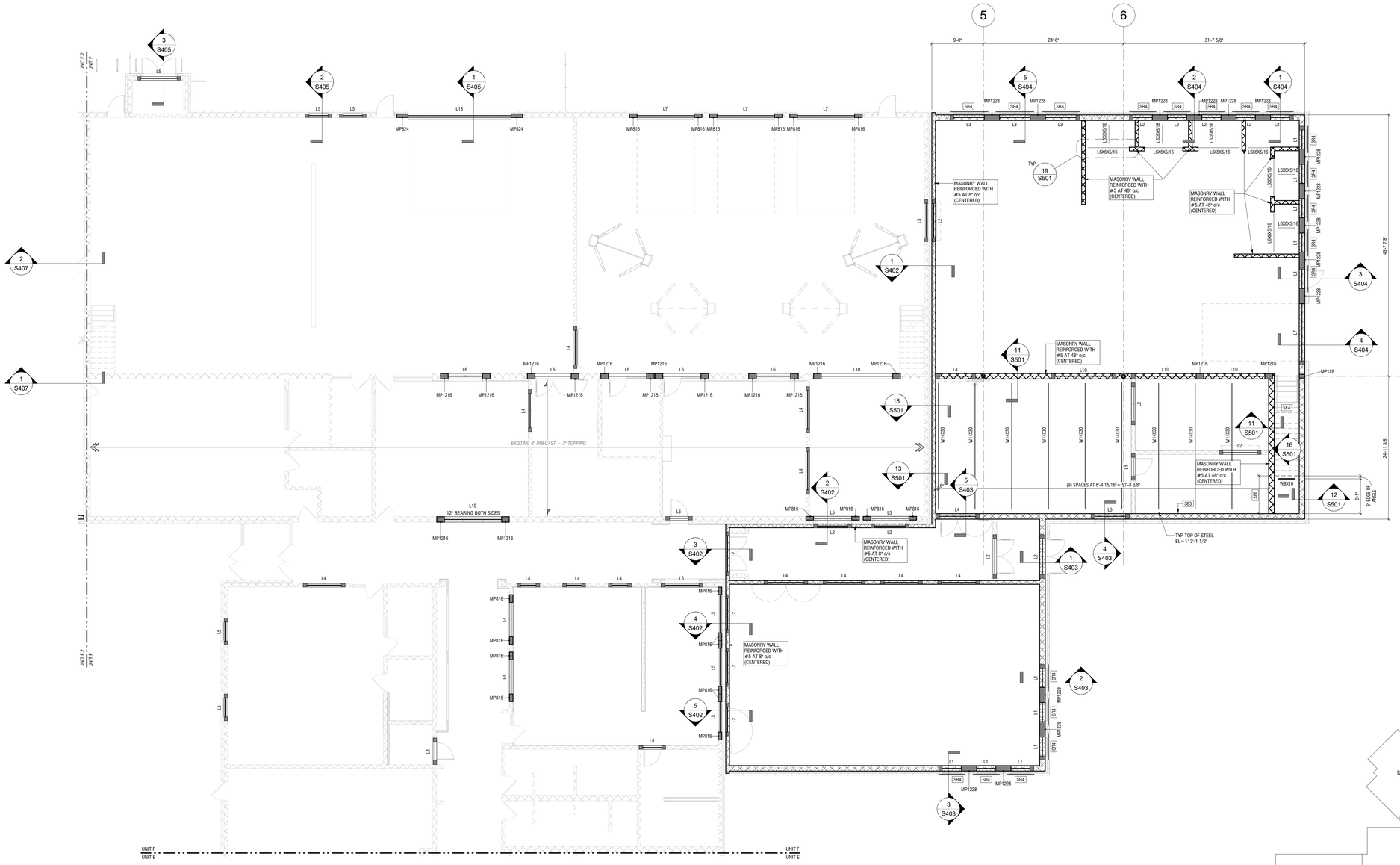
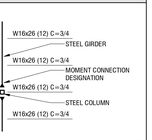


1 MEZZANINE FRAMING PLAN - UNIT F
S101F.1 1/8" = 1'-0"

STEEL FLOOR FRAMING LEGEND

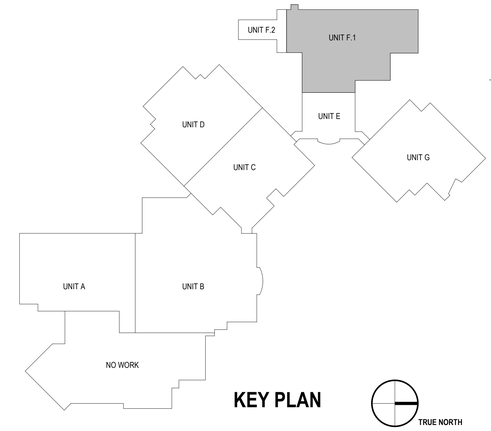


STEEL FLOOR FRAMING PLAN NOTES

1. REFER TO ARCHITECTURAL PLANS FOR STAIR FRAMING, DIMENSIONS AND CONFIGURATION.
2. TOP OF STEEL SHALL BE AS NOTED ON PLANS.
3. FLOOR CONSTRUCTION SHALL CONSIST OF 4" NORMAL WEIGHT CONCRETE ON 1-1/2", 19 GAGE GALVANIZED COMPOSITE STEEL DECK, TOTAL SLAB THICKNESS = 5 1/2". DECK TO BE PLACED IN A MINIMUM THREE SPAN CONTINUOUS LAY-UP. SLAB SHALL HAVE 6x6-W2.1xW2.1 WELDED WIRE MESH LOCATED 3/4" FROM TOP OF CONCRETE. DECK SHALL BE ATTACHED TO FRAMING MEMBERS WITH 5/8" DIA PUDDLE WELDS AT A 36/4 PATTERN WITH (2) #12 TEK SCREWS PER SPAN.
4. MACRO SYNTHETIC FIBERS MAY BE USED IN CONCRETE WITH STRUCTURAL ENGINEER'S APPROVAL. FIBERS SHALL BE MADE FROM VIRGIN POLYOLEFIN AND HAVE A MINIMUM DIAMETER BETWEEN 0.016 AND 0.05". THE MINIMUM ASPECT RATIO (LENGTH TO DIAMETER) SHALL BE 50 AND MINIMUM DOSAGE SHALL BE 4 LB/CUBIC YARD.
5. COMPOSITE FLOOR DECKS SHALL BE CAST TO WITHIN 1/2" OF DESIGNATED THICKNESS. CONTRACTOR PLACING CONCRETE SHALL BE AWARE THAT THEORETICAL CONCRETE VOLUME MAY BE LOWER THAN ACTUAL CONCRETE VOLUME.
6. STEEL IS EQUALLY SPACED BETWEEN MEMBERS UNLESS NOTED OTHERWISE.
7. BEAM CAMBER IS DESIGNATED AS "C=3/4". CAMBER IS TO BE PROVIDED AT THE MIDDLE OF THE BEAM LENGTH. ALL BEAMS ARE TO BE PLACED WITH THE CAMBER CROWN ON THE TOP OF THE BEAM. CONTRACTOR TO VERIFY IN PLACE CAMBERS ARE WITHIN AISC ALLOWABLE TOLERANCE PRIOR TO PLACEMENT OF CONCRETE. COORDINATE DISCREPANCIES WITH STRUCTURAL ENGINEER PRIOR TO CONCRETE POURS.
8. NUMBER OF STUDS FOR COMPOSITE SLABS ARE DESIGNATED AS "(12)". STUDS ARE TO BE 3/4" DIAMETERx4-1/2" LONG HEADED WELDED STUDS AND ARE TO BE WELDED EVENLY ACROSS THE LENGTH OF THE BEAM. REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
9. MOMENT FRAMES ARE INDICATED THUSLY: ▶
10. MASONRY WALLS SHALL BE REINFORCED WITH #5 AT 40" o/c UNLESS NOTED OTHERWISE ON PLAN.
11. MASONRY WALLS SHALL BE GROUTED SOLID AT ANCHORAGE LOCATIONS, UNLESS NOTED OTHERWISE.
12. ALL VERTICAL MASONRY REINFORCEMENT SHALL RUN CONTINUOUS FROM FOUNDATION TO TOP OF WALL, UNLESS NOTED OTHERWISE.
13. REFER TO LINTEL SCHEDULE FOR MASONRY WALL LINTELS.
14. REFER TO LOOSE LINTEL SCHEDULE FOR MASONRY VENEER SUPPORT OVER OPENINGS.
15. FABRICATOR SHALL SELECT SHEAR TAB OR DOUBLE ANGLED CONNECTIONS NOT SPECIFICALLY DETAILED. WHERE REACTIONS ARE SHOWN ON PLAN, FABRICATOR MAY SELECT CONNECTIONS BASED ON THE FOLLOWING INFORMATION:
   a. REACTIONS ARE UNFACTORED AND SERVICE LEVEL.
   b. CONNECTION DESIGN SHALL BE BASED ON ALLOWABLE STRENGTH DESIGN.
   c. CODE REFERENCED EDITION OF THE AISC STEEL CONSTRUCTION MANUAL SHALL BE USED FOR CONNECTION DESIGN.

STEEL FLOOR FRAMING PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
SE4	STEEL FRAMED STAIR DESIGN BY SUPPLIER. DESIGN FOR 100 PSF SUPERIMPOSED LIVE LOAD. CONNECTIONS TO MASONRY TO BE INTO SOLID GROUTED CELLS OR POCKETS. GC TO COORDINATE CONNECTIONS WITH SUPPLIER
SE5	PROVIDE CONTINUOUS L5x5x5/16 AT FULL LENGTH OF FLOOR. SPLICE AT TOP OF BEAMS ONLY.
SE6	PROVIDE PL3/8"x4"xCONT WITH 1/2" DIAx4" HEADED STUDS AT 24" o/c AT TOP OF MASONRY WALL.



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12/19/2025

Project Number:
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Sheet Title:
UNIT F - FLOOR FRAMING PLAN

Sheet Number:
S101F.1

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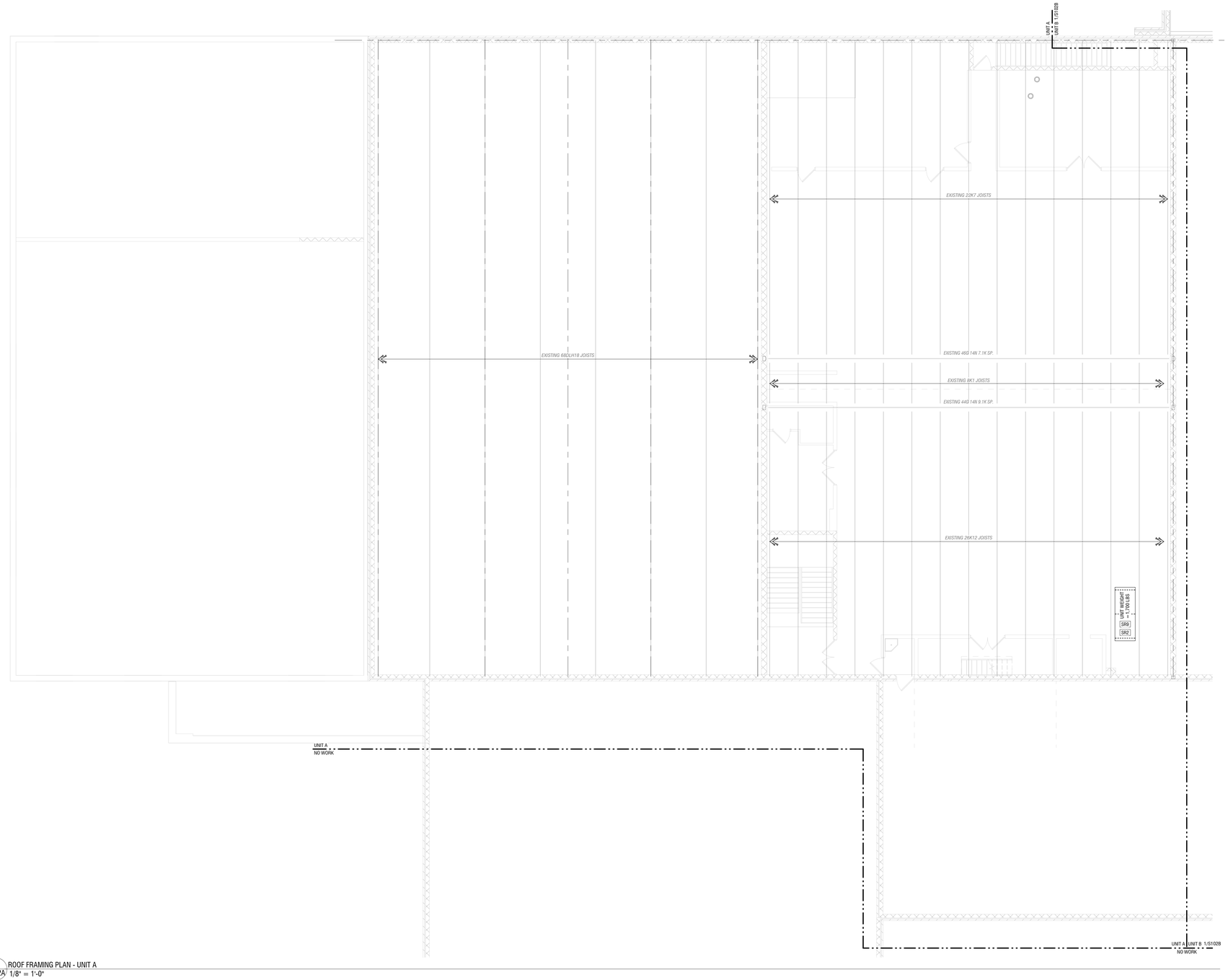
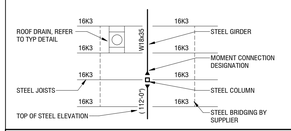


1 S102A ROOF FRAMING PLAN - UNIT A
1/8" = 1'-0"

STEEL ROOF FRAMING LEGEND

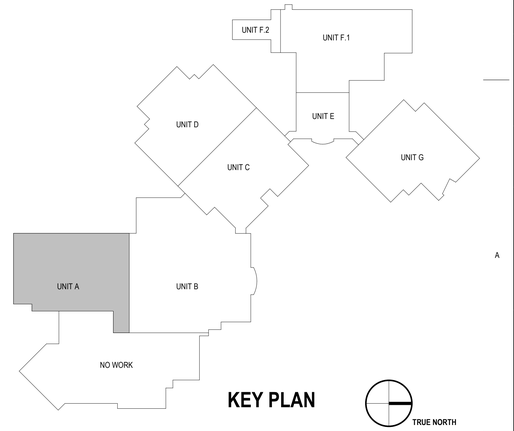


STEEL ROOF FRAMING PLAN NOTES

1. TOP OF STEEL SHALL BE AS NOTED ON PLANS.
2. ALL ROOF DECK SHALL BE 1-1/2" WIDE RIB 22 GAGE PAINTED STEEL DECK. ATTACH DECK TO EACH FRAMING MEMBER WITH 5/8" DIA PUDDLE WELD AT A 36/4 PATTERN WITH (2) #10 SIDELAP TEK SCREWS PER SPAN.
3. STEEL IS EQUALLY SPACED BETWEEN MEMBERS UNLESS NOTED OTHERWISE.
4. JOISTS SHALL BE PROVIDED WITH STANDARD SJI CAMBER UNLESS NOTED OTHERWISE.
5. JOIST BRIDGING SHALL NOT BE RUN THROUGH DECK OPENINGS.
6. REFER TO TYPICAL DETAIL FOR FRAMING AROUND DECK OPENINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SIZE OF OPENINGS WITH FABRICATOR.
7. ALL ROOF TOP EQUIPMENT (SIZE, LOCATION, ETC) SHALL BE VERIFIED WITH MECHANICAL AND ARCHITECT PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION OF MATERIALS. CONTRACTOR SHALL COORDINATE CHANGES WITH FABRICATOR, JOIST SUPPLIER AND STRUCTURAL ENGINEER. MECHANICAL EQUIPMENT SHALL BEAR ON AT LEAST (2) FRAMING MEMBERS.
8. MOMENT FRAMES ARE INDICATED THUSLY: ▶
9. MASONRY WALLS SHALL BE REINFORCED WITH #5 AT 40" o/c (CENTERED) UNLESS NOTED OTHERWISE ON PLAN.
10. MASONRY WALLS SHALL BE GROUTED SOLID AT ANCHORAGE LOCATIONS, UNLESS NOTED OTHERWISE.
11. ALL VERTICAL MASONRY REINFORCEMENT SHALL RUN CONTINUOUS FROM FOUNDATION TO TOP OF WALL, UNLESS NOTED OTHERWISE.
12. REFER TO LINTEL SCHEDULE FOR MASONRY WALL LINTELS.
13. REFER TO LOOSE LINTEL SCHEDULE FOR MASONRY VENEER SUPPORT OVER OPENINGS.
14. FABRICATOR SHALL SELECT SHEAR TAB OR DOUBLE ANGLED CONNECTIONS NOT SPECIFICALLY DETAILED. WHERE REACTIONS ARE SHOWN ON PLAN, FABRICATOR MAY SELECT CONNECTIONS BASED ON THE FOLLOWING INFORMATION:
   A. REACTIONS ARE UNFACTORED AND SERVICE LEVEL.
   B. CONNECTION DESIGN SHALL BE BASED ON ALLOWABLE STRENGTH DESIGN.
   C. CODE REFERENCED EDITION OF THE AISC STEEL CONSTRUCTION MANUAL SHALL BE USED FOR CONNECTION DESIGN.
15. ALL FIBERGLASS BOLTS TO BE STRONGWELL FIBREBOLT OR APPROVED OTHER.

STEEL ROOF FRAMING PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
SR1	CONTINUOUS JOIST BRIDGING AT TOP AND BOTTOM JOIST CHORDS. BRIDGING IS SCHEMATIC AND SHALL BE AS REQUIRED BY SJI. JOIST UPLIFT = 8 PSF.
SR2	ROOF TOP UNIT w/ LOAD AS SHOWN ON PLAN (INCLUDES CURB). FINAL SIZE AND LOCATION SHALL BE COORDINATED w/ STRUCTURAL ENGINEER AND JOIST SUPPLIER. PROVIDE C6x13 UNDER UNIT LAID PERPENDICULAR TO JOISTS. REFER TO STANDARD EQUIPMENT SUPPORT DETAIL.
SR3	L2x2x1/4 FROM BEAM BOTTOM FLANGE TO NEAREST JOIST TOP CHORD PANEL POINT.
SR4	LOOSE LINTEL. REFER TO SCHEDULE.
SR5	CHORD REINFORCING. REFER TO CHORD REINFORCING DETAIL.
SR7	ROOF DRAIN. REFER ROOF OPENING FRAMES DETAIL.
SR8	PROVIDE X-BRIDGING AT BRIDGING TERMINATION.
SR9	PROVIDE ROOF DECK SUPPORT PER17/SS02 .
SR10	MECHANICAL TO COORDINATE OPENING LOCATIONS AND SIZES IN STEEL GRATING WITH STRUCTURAL ENGINEER.
SR11	PROVIDE 4" SLOPED JOIST SEAT.



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CONSTUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT A - ROOF FRAMING PLAN

Sheet Number:
S102A

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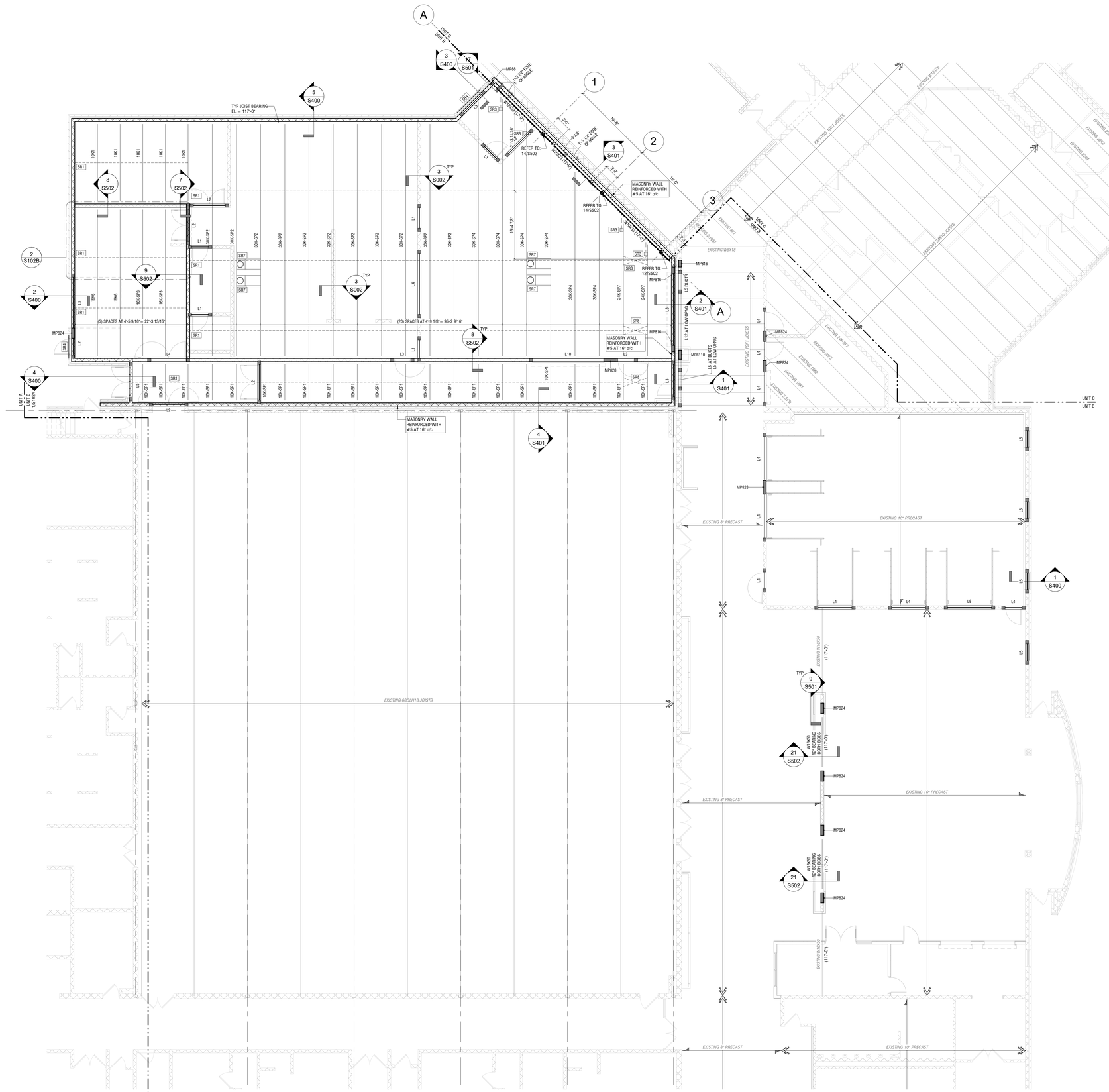
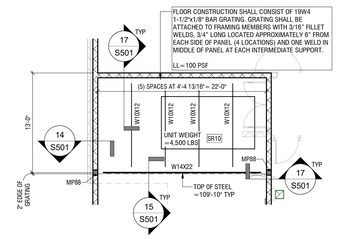


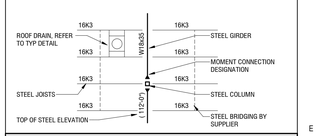
1 S102B ROOF FRAMING PLAN - UNIT B
1/8" = 1'-0"

1/S102A UNIT A + UNIT B



2 S102B FLOOR FRAMING PLAN - MECHANICAL MEZZANINE
1/8" = 1'-0"

STEEL ROOF FRAMING LEGEND

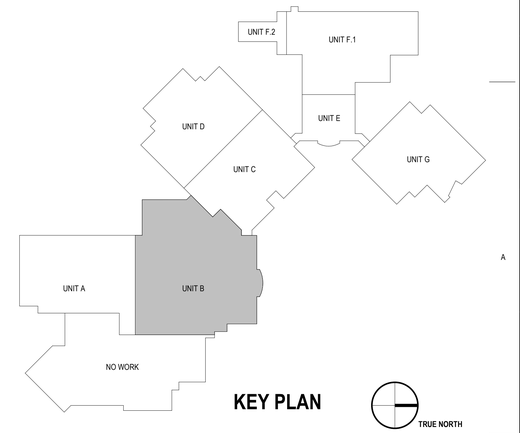


STEEL ROOF FRAMING PLAN NOTES

1. TOP OF STEEL SHALL BE AS NOTED ON PLANS.
2. ALL ROOF DECK SHALL BE 1-1/2" WIDE RIB 22 GAGE PAINTED STEEL DECK. ATTACH DECK TO EACH FRAMING MEMBER WITH 5/8" DIA PUDDLE WELD AT A 36/4 PATTERN WITH (2) #10 SIDELAP TEK SCREWS PER SPAN.
3. STEEL IS EQUALLY SPACED BETWEEN MEMBERS UNLESS NOTED OTHERWISE.
4. JOISTS SHALL BE PROVIDED WITH STANDARD SJI CAMBER UNLESS NOTED OTHERWISE.
5. JOIST BRIDGING SHALL NOT BE RUN THROUGH DECK OPENINGS.
6. REFER TO TYPICAL DETAIL FOR FRAMING AROUND DECK OPENINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SIZE OF OPENINGS WITH FABRICATOR.
7. ALL ROOF TOP EQUIPMENT (SIZE, LOCATION, ETC) SHALL BE VERIFIED WITH MECHANICAL AND ARCHITECT PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION OF MATERIALS. CONTRACTOR SHALL COORDINATE CHANGES WITH FABRICATOR, JOIST SUPPLIER AND STRUCTURAL ENGINEER. MECHANICAL EQUIPMENT SHALL BEAR ON AT LEAST (2) FRAMING MEMBERS.
8. MOMENT FRAMES ARE INDICATED THUSLY: ▶
9. MASONRY WALLS SHALL BE REINFORCED WITH #5 AT 40" o/c (CENTERED) UNLESS NOTED OTHERWISE ON PLAN.
10. MASONRY WALLS SHALL BE GROUTED SOLID AT ANCHORAGE LOCATIONS, UNLESS NOTED OTHERWISE.
11. ALL VERTICAL MASONRY REINFORCEMENT SHALL RUN CONTINUOUS FROM FOUNDATION TO TOP OF WALL, UNLESS NOTED OTHERWISE.
12. REFER TO LINTEL SCHEDULE FOR MASONRY WALL LINTELS.
13. REFER TO LOOSE LINTEL SCHEDULE FOR MASONRY VENEER SUPPORT OVER OPENINGS.
14. FABRICATOR SHALL SELECT SHEAR TAB OR DOUBLE ANGLED CONNECTIONS NOT SPECIFICALLY DETAILED. WHERE REACTIONS ARE SHOWN ON PLAN, FABRICATOR MAY SELECT CONNECTIONS BASED ON THE FOLLOWING INFORMATION:
   A. REACTIONS ARE UNFACTORED AND SERVICE LEVEL.
   B. CONNECTION DESIGN SHALL BE BASED ON ALLOWABLE STRENGTH DESIGN.
   C. CODE REFERENCED EDITION OF THE AISC STEEL CONSTRUCTION MANUAL SHALL BE USED FOR CONNECTION DESIGN.
15. ALL FIBERGLASS BOLTS TO BE STRONGWELL FIBREBOLT OR APPROVED OTHER.

STEEL ROOF FRAMING PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
SR1	CONTINUOUS JOIST BRIDGING AT TOP AND BOTTOM JOIST CHORDS. BRIDGING IS SCHEMATIC AND SHALL BE AS REQUIRED BY SJI. JOIST UPLIFT = 8 PSF.
SR2	ROOF TOP UNIT w/ LOAD AS SHOWN ON PLAN (INCLUDES CURB). FINAL SIZE AND LOCATION SHALL BE COORDINATED w/ STRUCTURAL ENGINEER AND JOIST SUPPLIER. PROVIDE C6x13 UNDER UNIT LAID PERPENDICULAR TO JOISTS. REFER TO STANDARD EQUIPMENT SUPPORT DETAIL.
SR3	L2x2x1/4 FROM BEAM BOTTOM FLANGE TO NEAREST JOIST TOP CHORD PANEL POINT.
SR4	LOOSE LINTEL. REFER TO SCHEDULE.
SR5	CHORD REINFORCING. REFER TO CHORD REINFORCING DETAIL.
SR7	ROOF DRAIN. REFER ROOF OPENING FRAMES DETAIL.
SR8	PROVIDE X-BRIDGING AT BRIDGING TERMINATION.
SR9	PROVIDE ROOF DECK SUPPORT PER17/S502 .
SR10	MECHANICAL TO COORDINATE OPENING LOCATIONS AND SIZES IN STEEL GRATING WITH STRUCTURAL ENGINEER.
SR11	PROVIDE 4" SLOPED JOIST SEAT.



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WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

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Issued for:
CONSTUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT B - ROOF FRAMING PLAN

Sheet Number:
S102B

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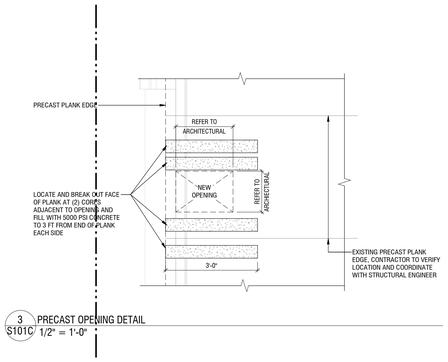
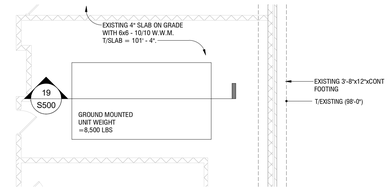
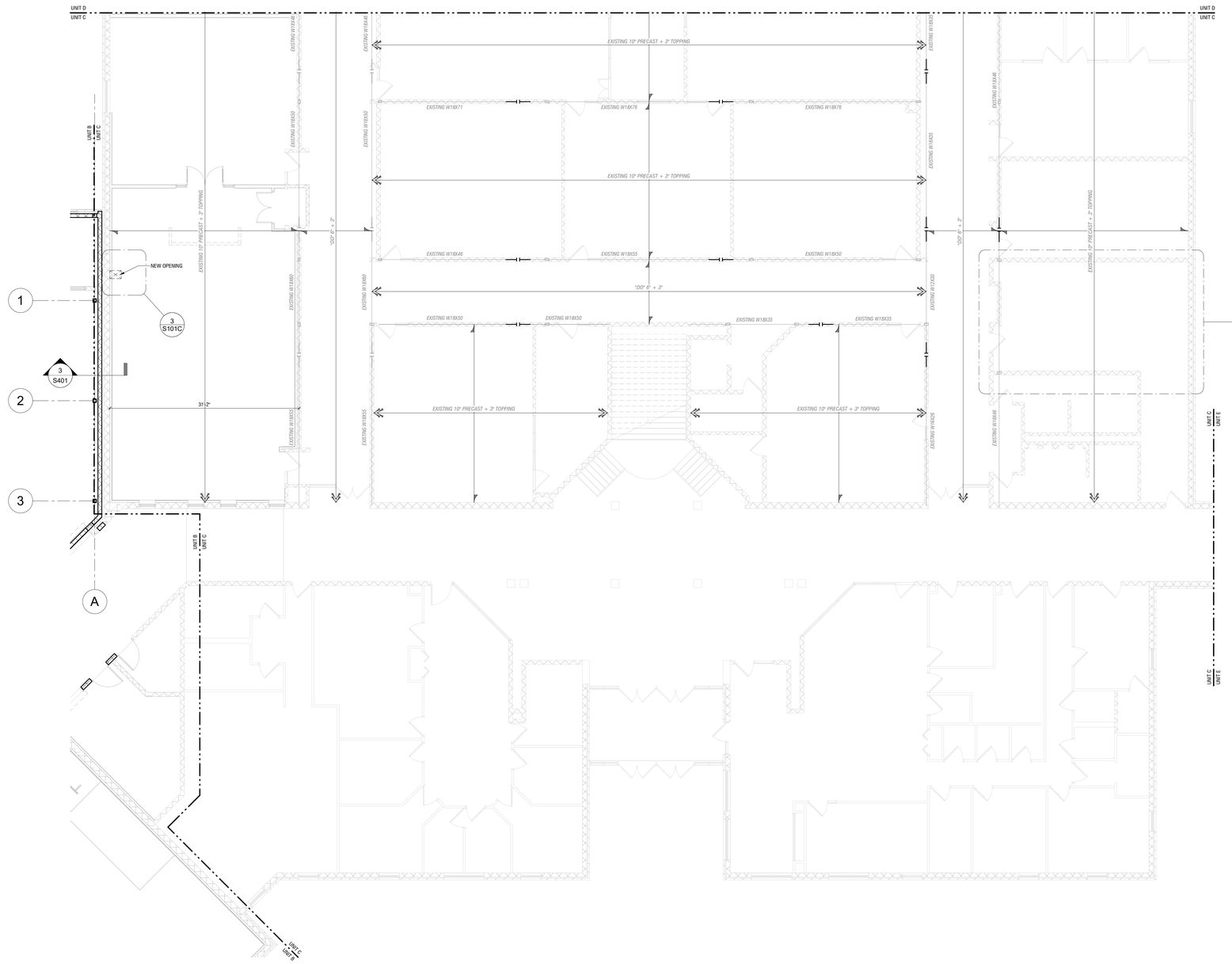


3 S101C PRECAST OPENING DETAIL
1/2" = 1'-0"

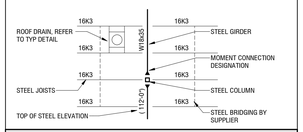


2 S101C FOUNDATION PLAN AT AHU - UNIT C
1/8" = 1'-0"



1 S101C FLOOR FRAMING PLAN - UNIT C
1/8" = 1'-0"

STEEL ROOF FRAMING LEGEND



STEEL ROOF FRAMING PLAN NOTES

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3. STEEL IS EQUALLY SPACED BETWEEN MEMBERS UNLESS NOTED OTHERWISE.
4. JOISTS SHALL BE PROVIDED WITH STANDARD SJI CAMBER UNLESS NOTED OTHERWISE.
5. JOIST BRIDGING SHALL NOT BE RUN THROUGH DECK OPENINGS.
6. REFER TO TYPICAL DETAIL FOR FRAMING AROUND DECK OPENINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SIZE OF OPENINGS WITH FABRICATOR.
7. ALL ROOF TOP EQUIPMENT (SIZE, LOCATION, ETC) SHALL BE VERIFIED WITH MECHANICAL AND ARCHITECT PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION OF MATERIALS. CONTRACTOR SHALL COORDINATE CHANGES WITH FABRICATOR, JOIST SUPPLIER AND STRUCTURAL ENGINEER. MECHANICAL EQUIPMENT SHALL BEAR ON AT LEAST (2) FRAMING MEMBERS.
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   B. CONNECTION DESIGN SHALL BE BASED ON ALLOWABLE STRENGTH DESIGN.
   C. CODE REFERENCED EDITION OF THE AISC STEEL CONSTRUCTION MANUAL SHALL BE USED FOR CONNECTION DESIGN.
15. ALL BEAMS ARE NOT TO BE STRONGER LEGGED UNLESS NOTED OTHERWISE.

STEEL ROOF FRAMING PLAN KEYED NOTES

KEY NOTE	DESCRIPTION
SR1	CONTINUOUS JOIST BRIDGING AT TOP AND BOTTOM JOIST CHORDS. BRIDGING IS SCHEMATIC AND SHALL BE AS REQUIRED BY SJI. JOIST UPLIFT = 8 PSF.
SR2	ROOF TOP UNIT w/ LOAD AS SHOWN ON PLAN (INCLUDES CURB). FINAL SIZE AND LOCATION SHALL BE COORDINATED w/ STRUCTURAL ENGINEER AND JOIST SUPPLIER. PROVIDE C6x13 UNDER UNIT LAID PERPENDICULAR TO JOISTS. REFER TO STANDARD EQUIPMENT SUPPORT DETAIL.
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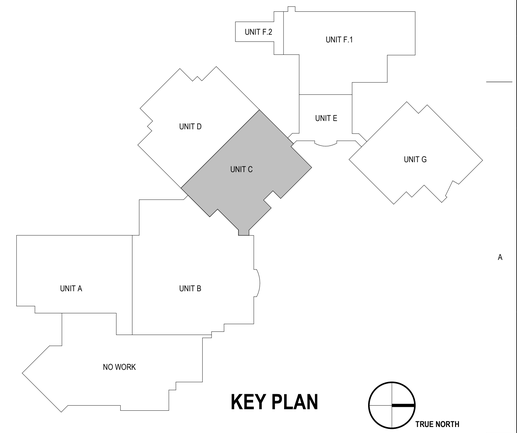
SR11	PROVIDE 4" SLOPED JOIST SEAT.



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CONSTUCTION DOCUMENTS
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Sheet Title:
UNIT C - STUCTURAL PLANS

Sheet Number:
S101C

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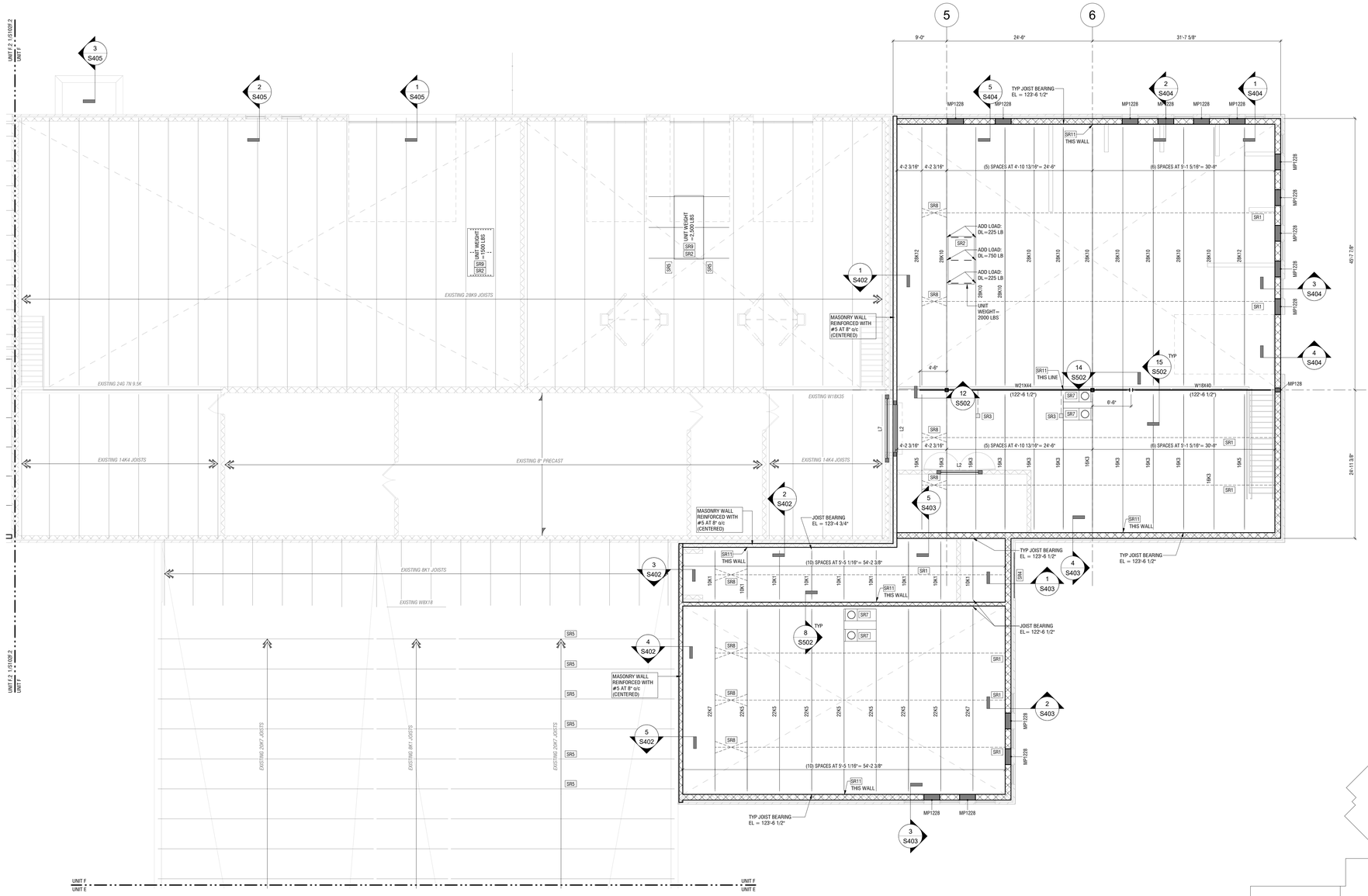
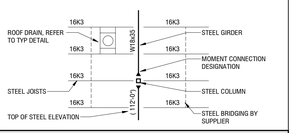


1 S102F.1 ROOF FRAMING PLAN - UNIT F
1/8" = 1'-0"

STEEL ROOF FRAMING LEGEND



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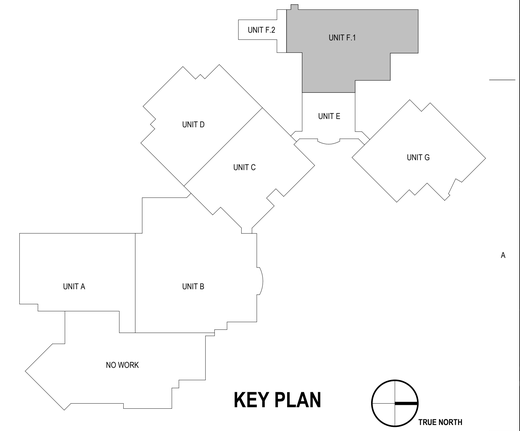

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UNIT F - ROOF FRAMING PLAN

Sheet Number:
S102F.1

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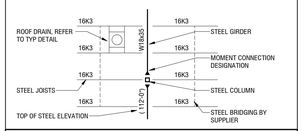
STEEL ROOF FRAMING LEGEND



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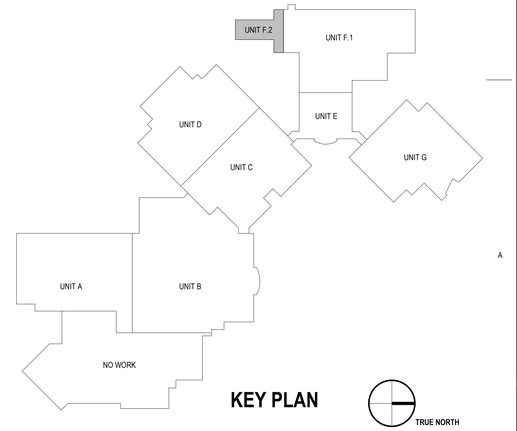
SR11	PROVIDE 4" SLOPED JOIST SEAT.

1 S102F.2 ROOF FRAMING PLAN - UNIT F.2 - GREENHOUSE
1/8" = 1'-0"



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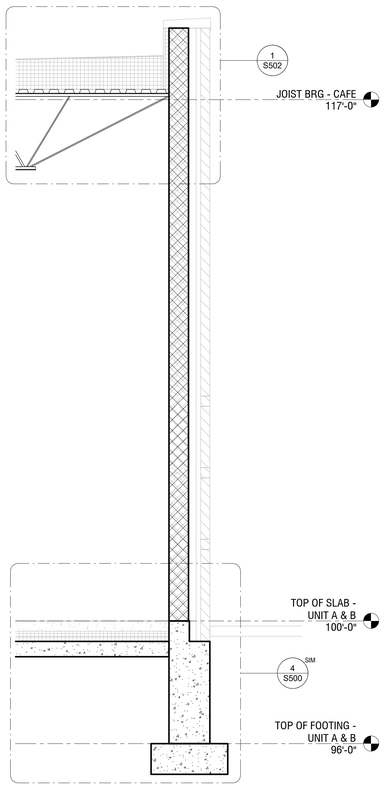
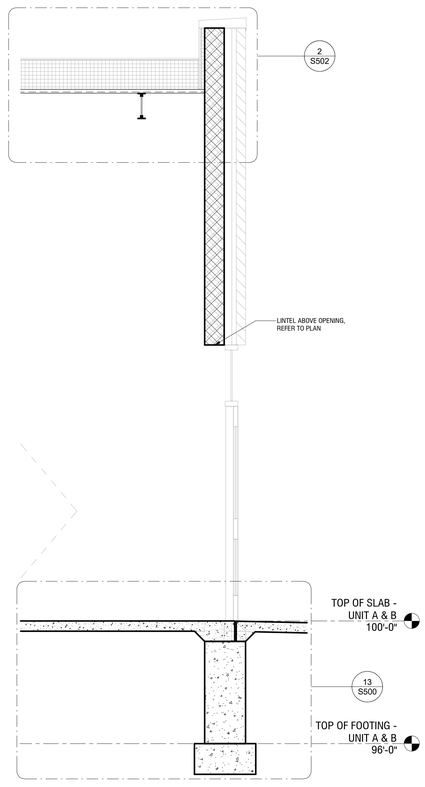
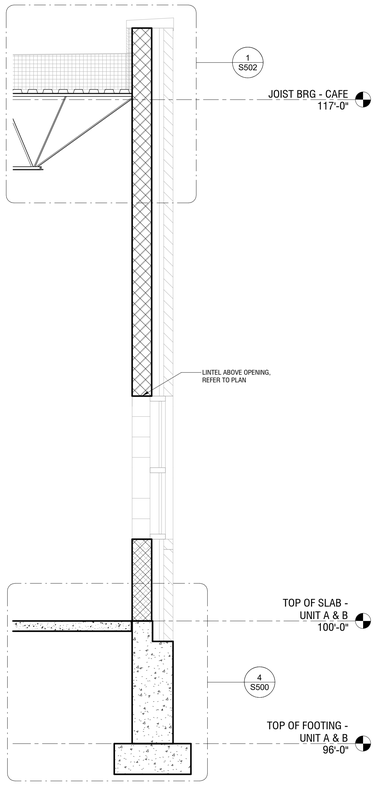


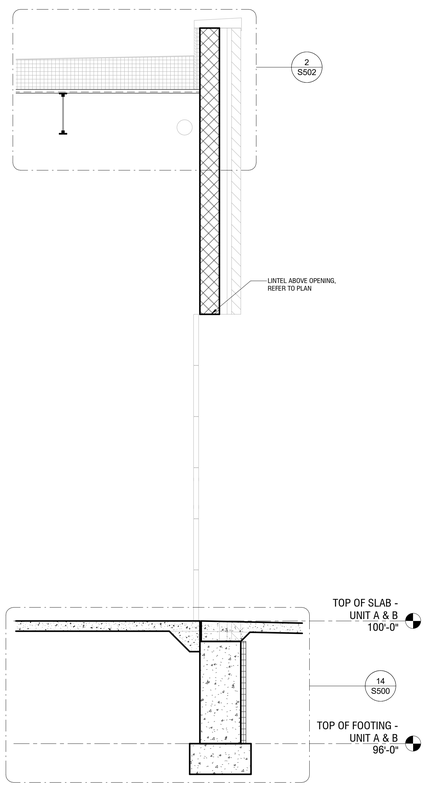
5 S400 WALL SECTION - FREEZER
1/2" = 1'-0"



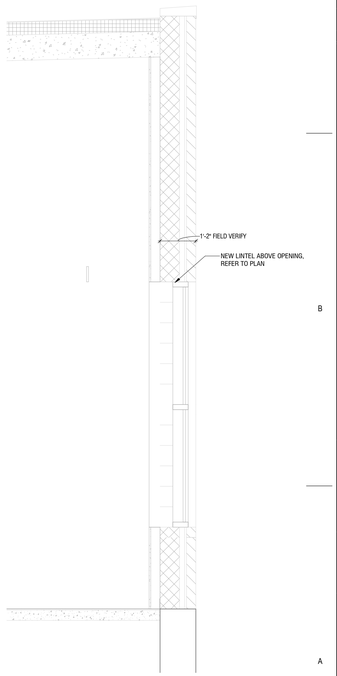
4 S400 WALL SECTION - ENTRANCE
1/2" = 1'-0"



3 S400 WALL SECTION - WINDOW
1/2" = 1'-0"



2 S400 WALL SECTION - OVERHEAD DOOR
1/2" = 1'-0"



1 S400 WALL SECTION - EXISTING
1/2" = 1'-0"

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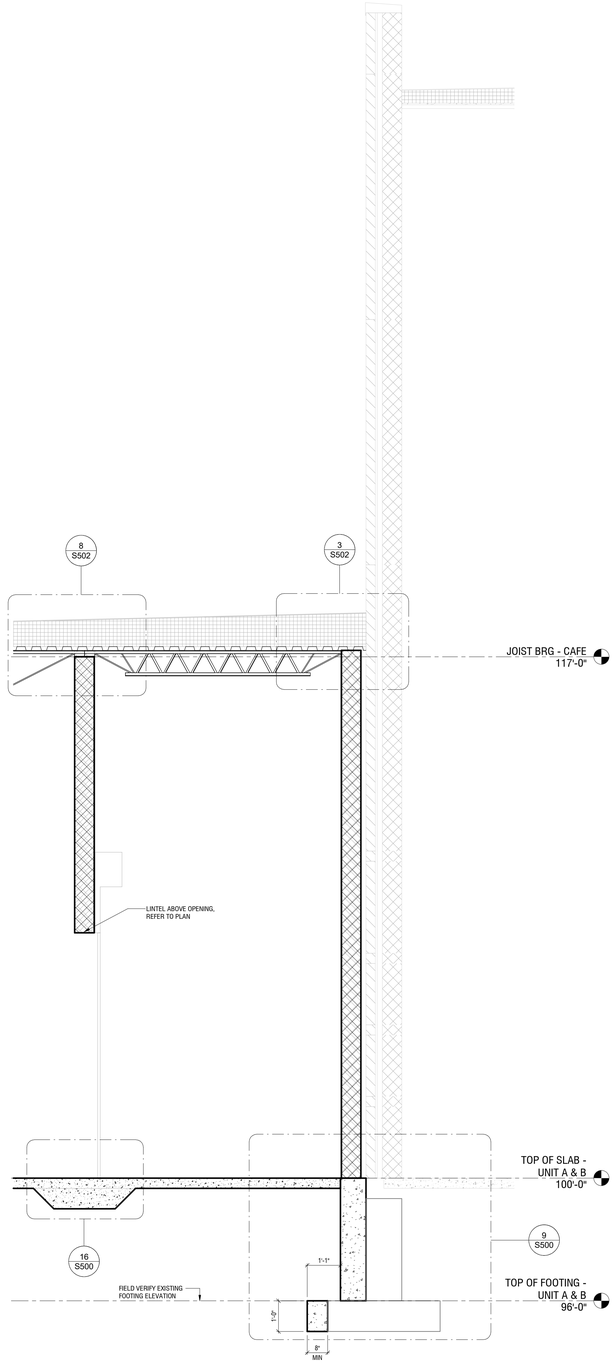
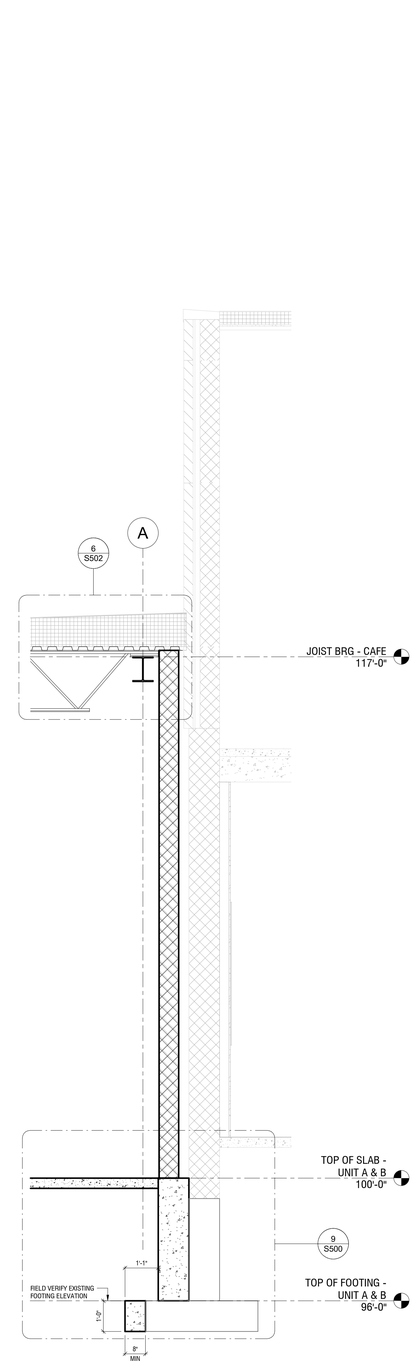
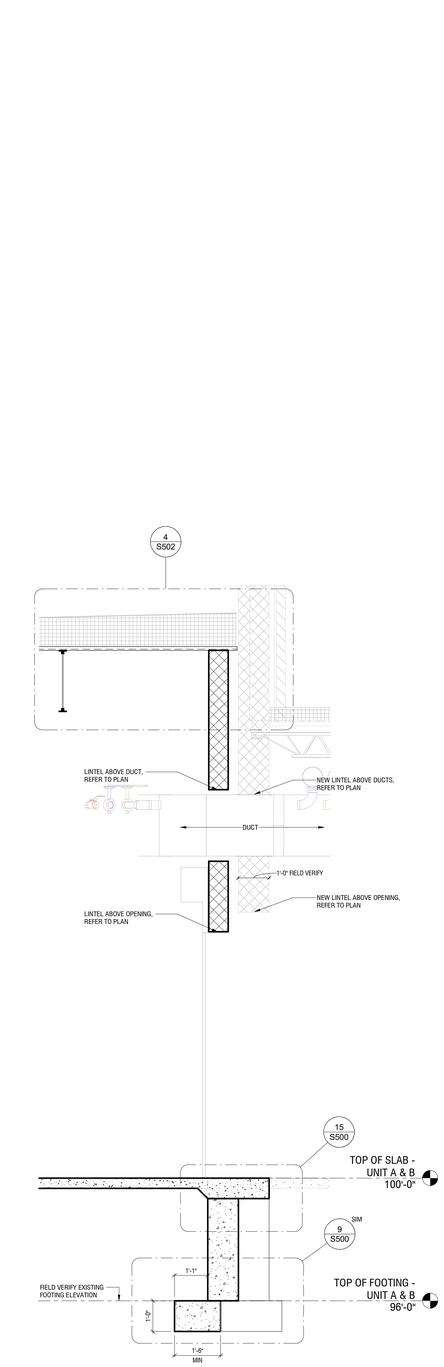


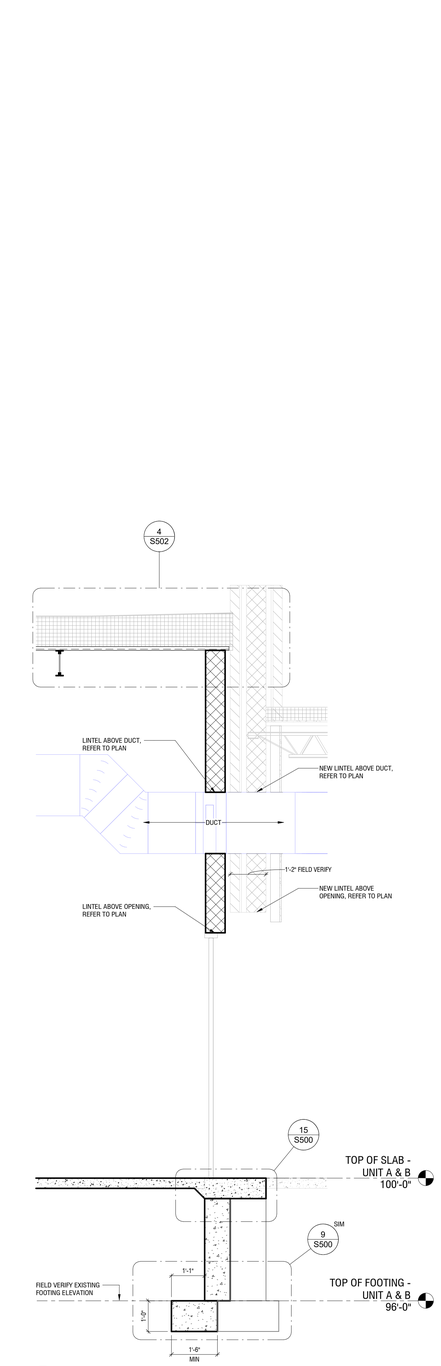
4 S401 WALL SECTION - FW - B ROOF
1/2" = 1'-0"



3 S401 WALL SECTION - FW - C ROOF
1/2" = 1'-0"



2 S401 WALL SECTION - FW - COILING DOOR
1/2" = 1'-0"



1 S401 WALL SECTION - FW - FIRE DOOR
1/2" = 1'-0"

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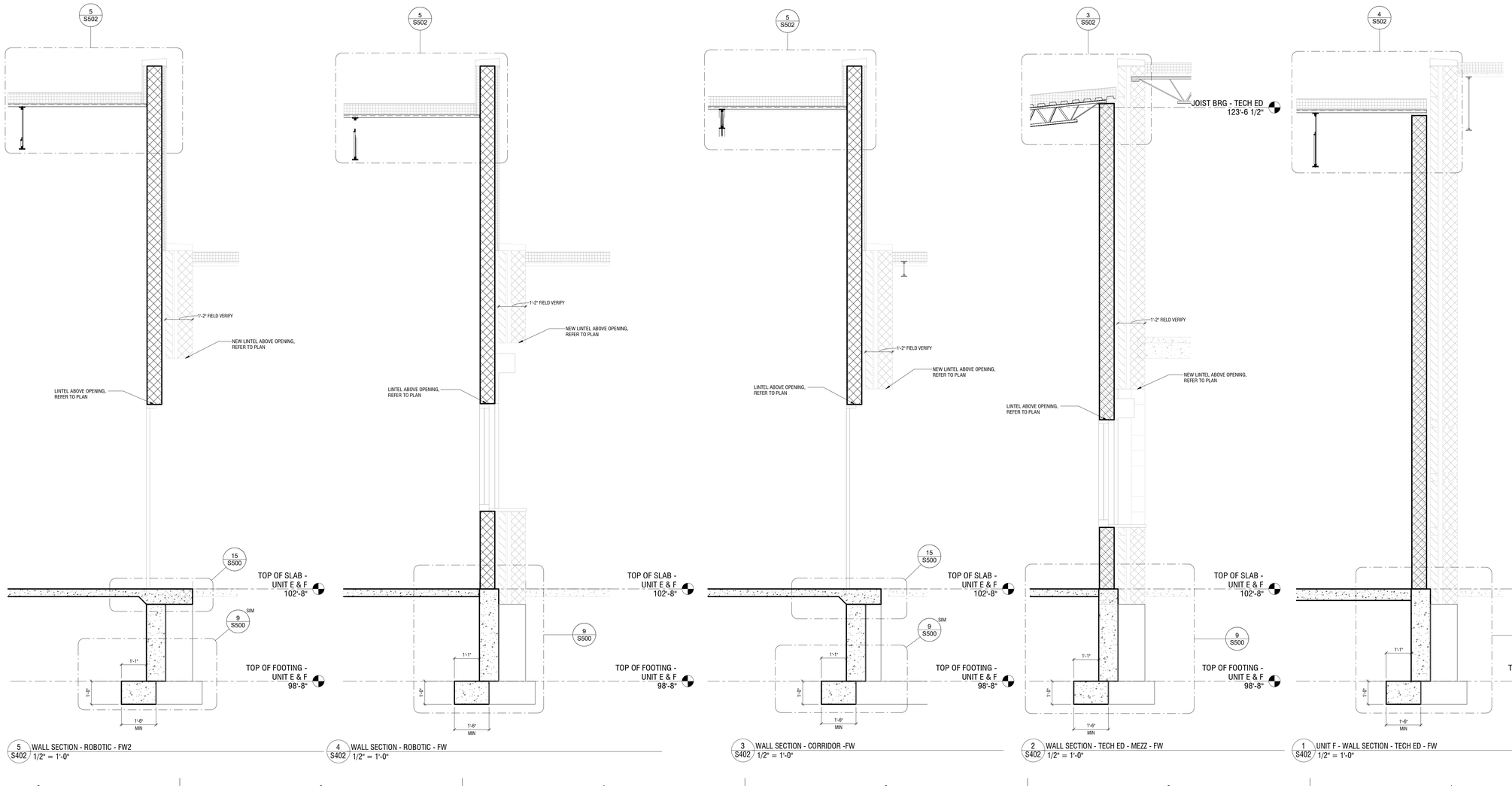

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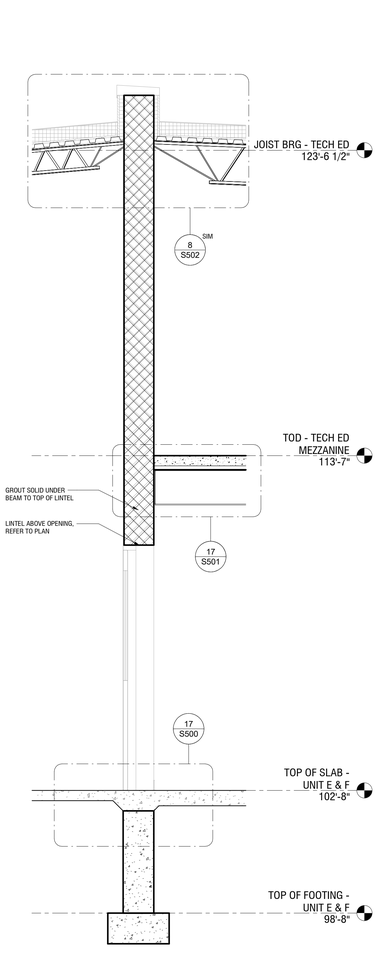
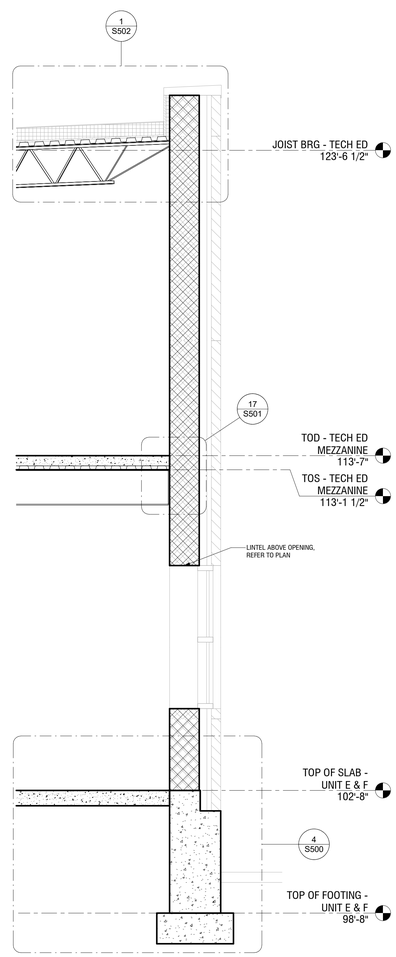
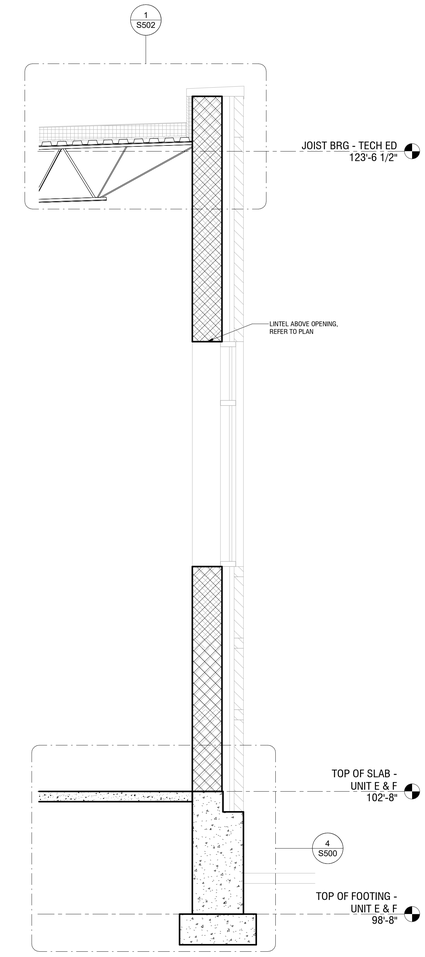


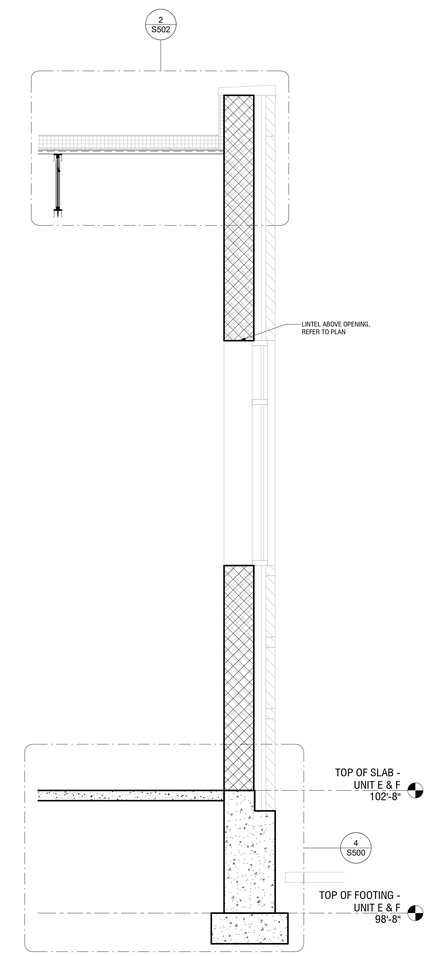
5 S403 WALL SECTIONS - CLASSROOM2
1/2" = 1'-0"



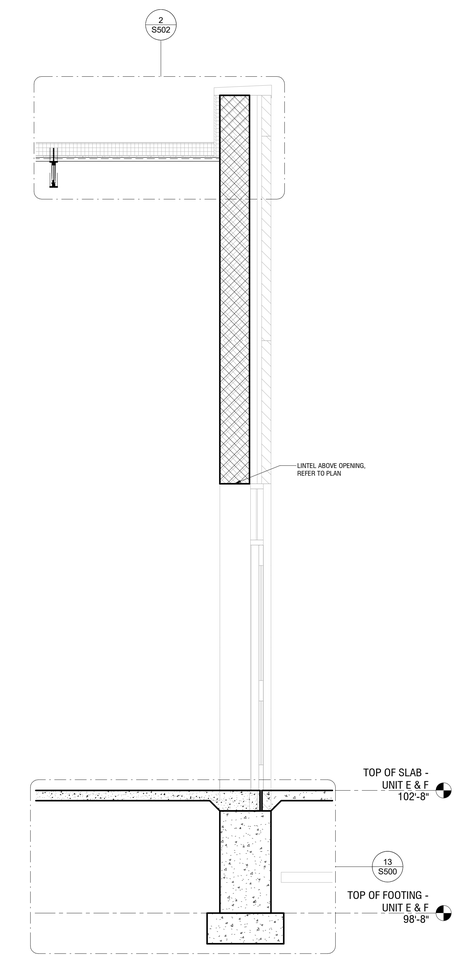
4 S403 WALL SECTION - CLASSROOM
1/2" = 1'-0"



3 S403 WALL SECTION - ROBOTICS
1/2" = 1'-0"



2 S403 WALL SECTION - ROBOTICS - WINDOW
1/2" = 1'-0"



1 S403 UNIT F - WALL SECTION - ENTRANCE
1/2" = 1'-0"

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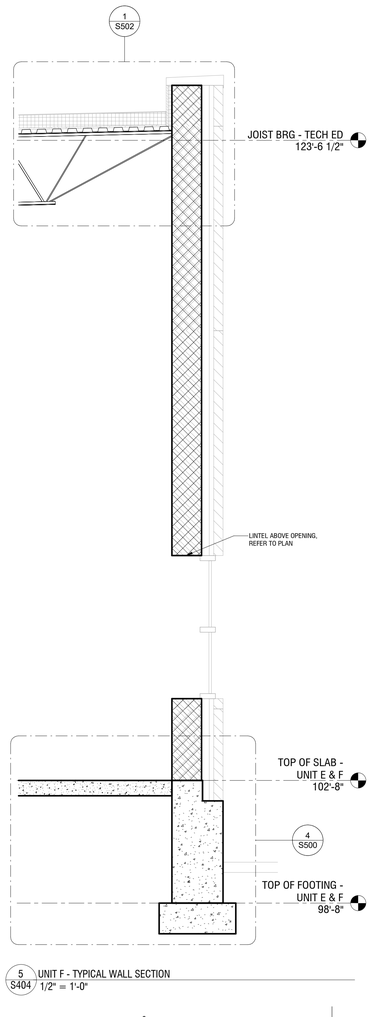
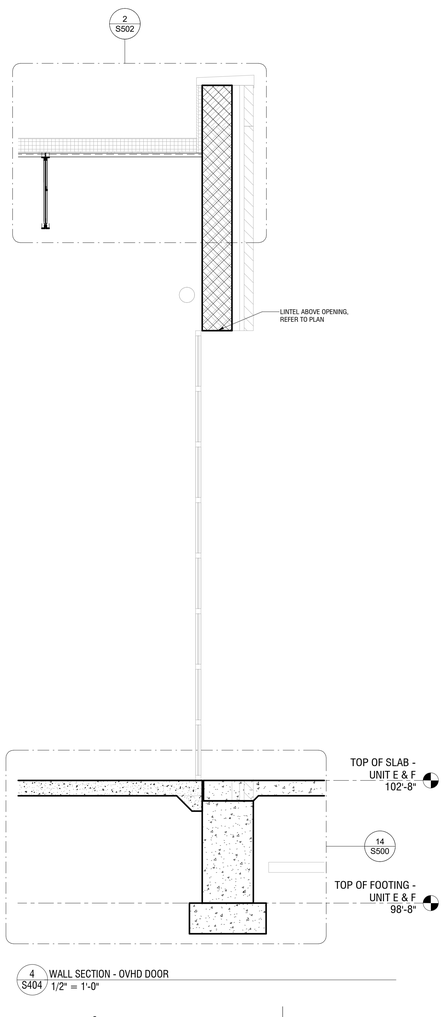
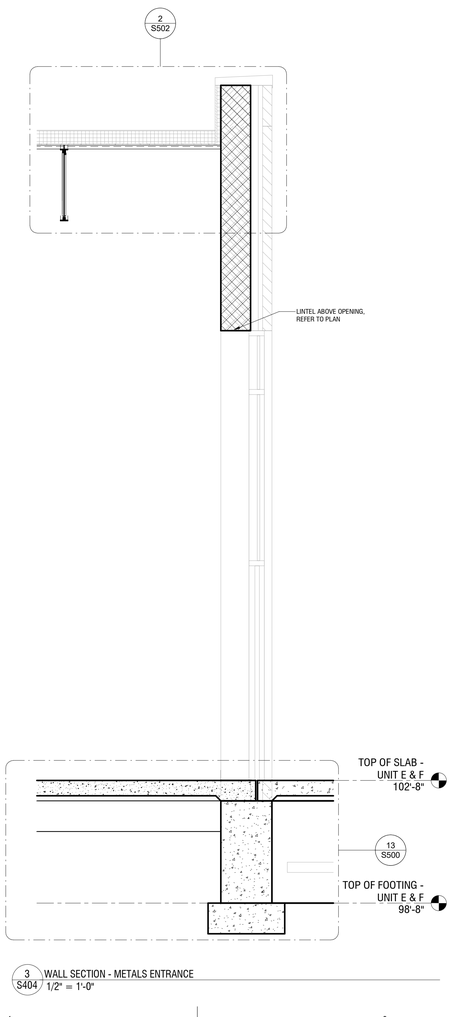


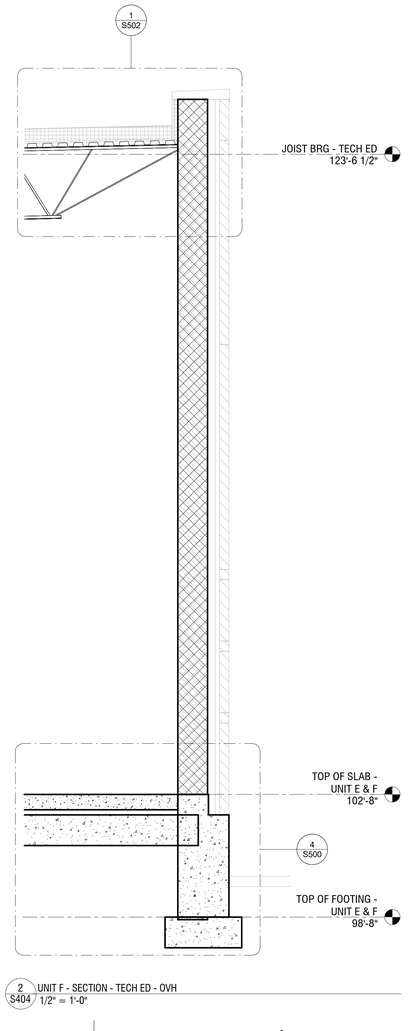
5 S404 UNIT F - TYPICAL WALL SECTION
1/2" = 1'-0"



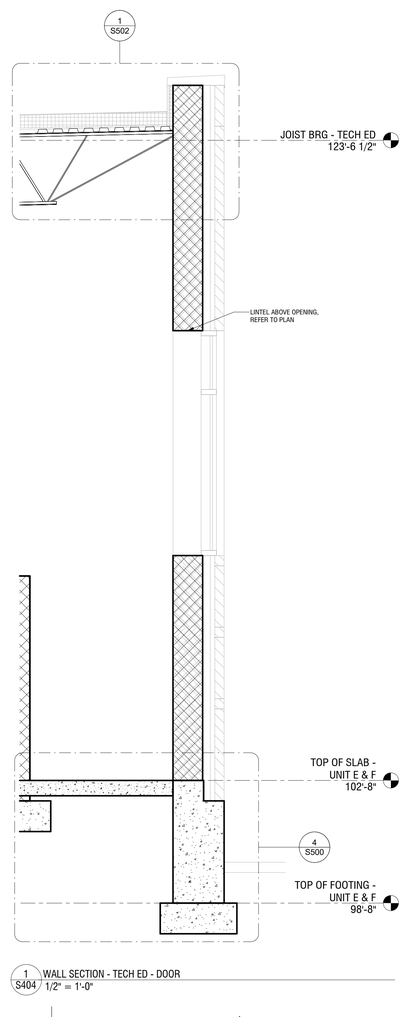
4 S404 WALL SECTION - OVHD DOOR
1/2" = 1'-0"



3 S404 WALL SECTION - METALS ENTRANCE
1/2" = 1'-0"



2 S404 UNIT F - SECTION - TECH ED - OVH
1/2" = 1'-0"



1 S404 WALL SECTION - TECH ED - DOOR
1/2" = 1'-0"

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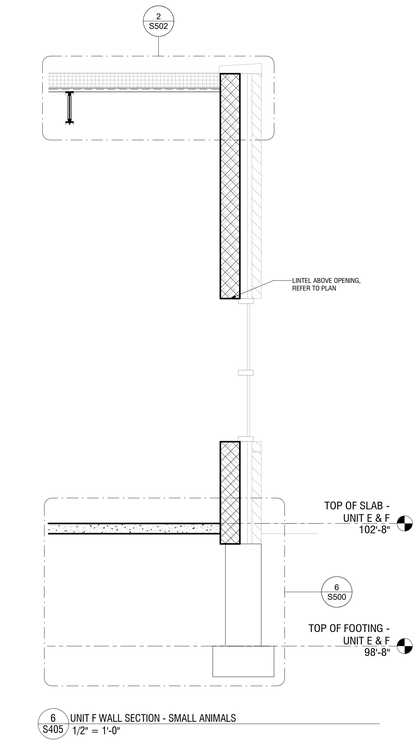
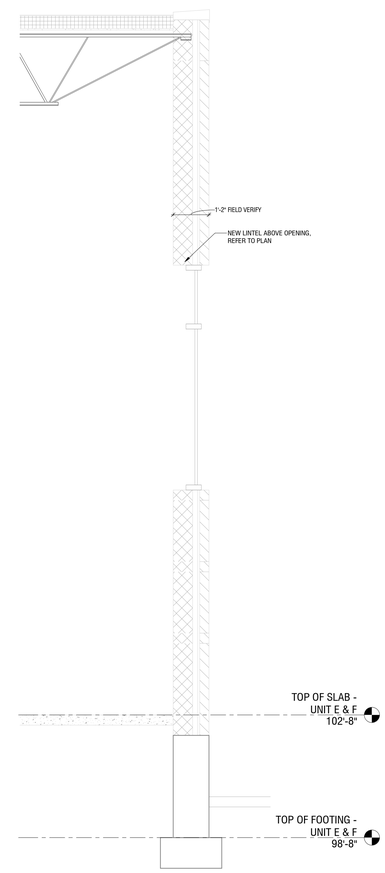


6 S405 UNIT F WALL SECTION - SMALL ANIMALS
1/2" = 1'-0"

5 S405 WALL SECTION - SMALL ANIMALS
1/2" = 1'-0"

4 S405 WALL SECTION - EXIST -SF
1/2" = 1'-0"

3 S405 WALL SECTION - EXIST - DOOR
1/2" = 1'-0"



2 S405 WALL SECTION - EXIST - HI - SF
1/2" = 1'-0"



1 S405 WALL SECTION - EXIST - OVHD DOOR
1/2" = 1'-0"

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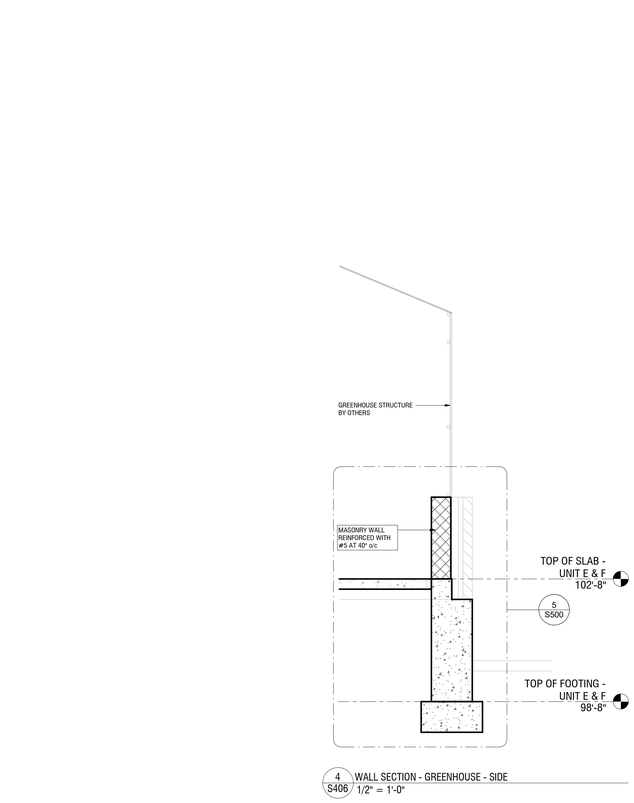
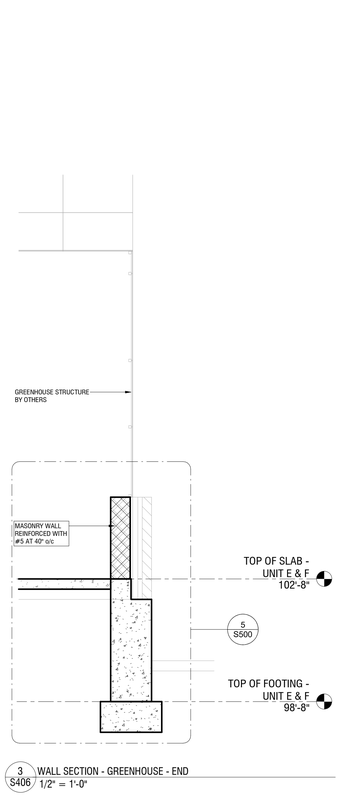
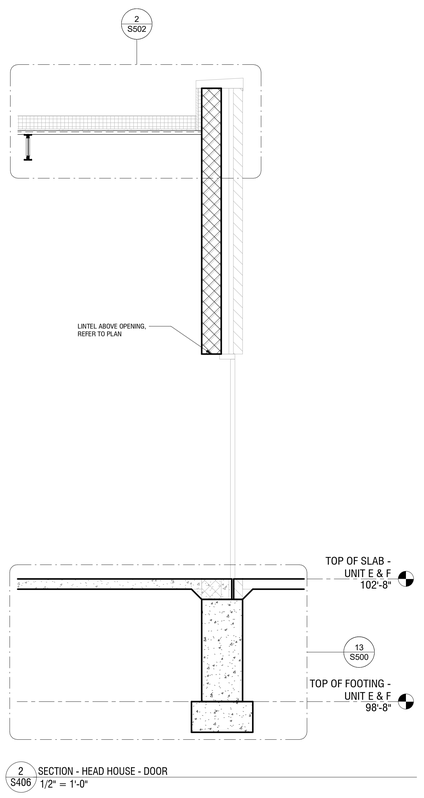


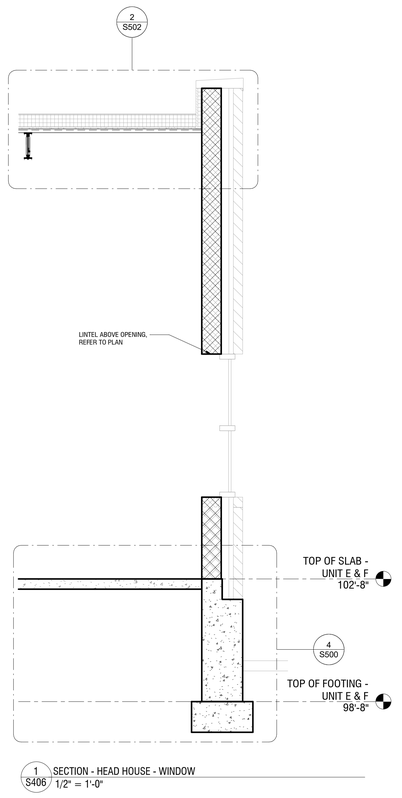
4 S406 WALL SECTION - GREENHOUSE - SIDE 1/2" = 1'-0"



3 S406 WALL SECTION - GREENHOUSE - END 1/2" = 1'-0"



2 S406 SECTION - HEAD HOUSE - DOOR 1/2" = 1'-0"



1 S406 SECTION - HEAD HOUSE - WINDOW 1/2" = 1'-0"

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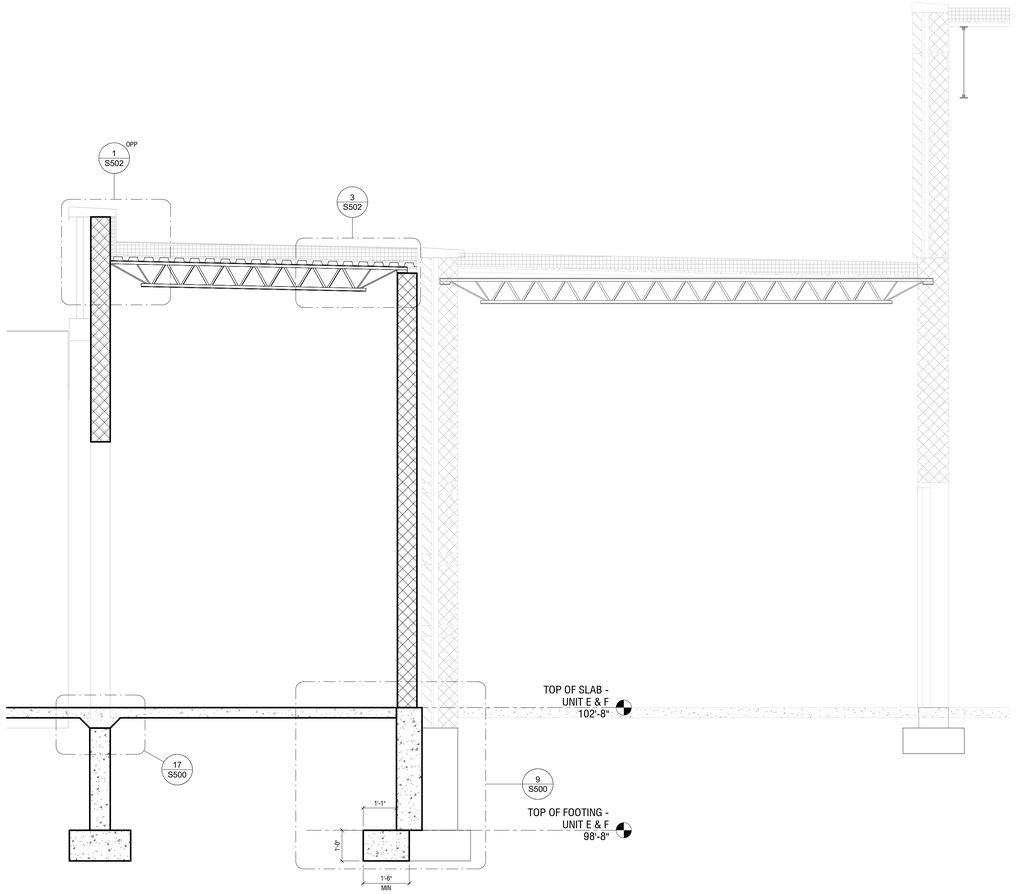
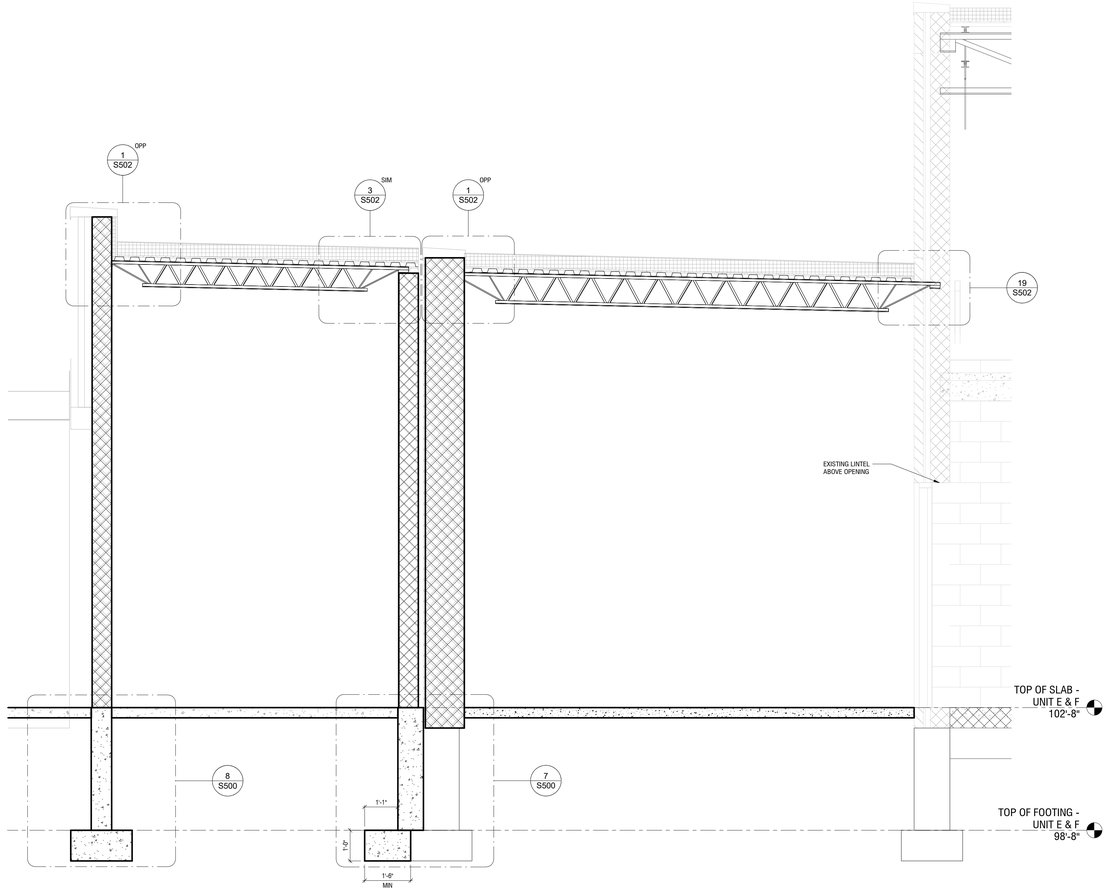


2 S407 WALL SECTION - GREENHOUSE
1/2" = 1'-0"



1 S407 WALL SECTION - GREENHOUSE
1/2" = 1'-0"

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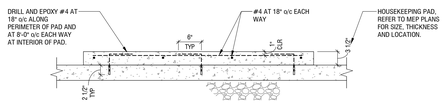
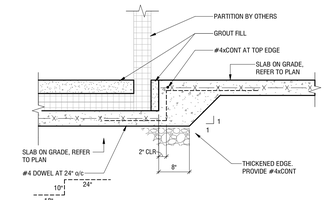
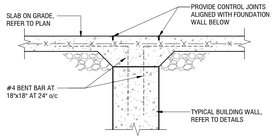


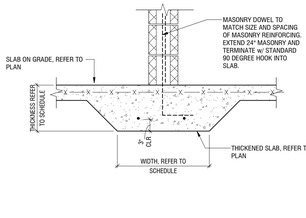
19 S500 TYPICAL HOUSEKEEPING PAD
3/4" = 1'-0"

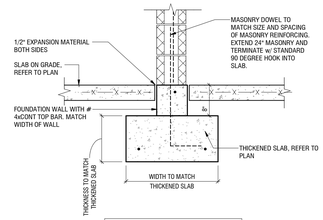


18 S500 SLAB STEP DETAIL AT WALK-IN COOLER
3/4" = 1'-0"



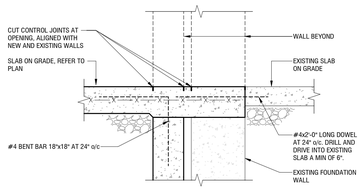
17 S500 OVERPOUR SECTION AT INTERIOR WALL
3/4" = 1'-0"



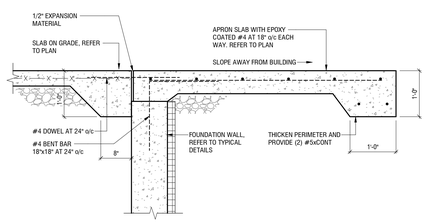


CONTRACTOR OPTION

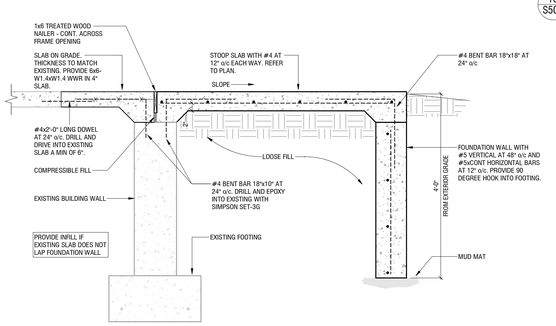
16 S500 SECTION AT INTERIOR MASONRY WALL (THICKENED SLAB)
3/4" = 1'-0"

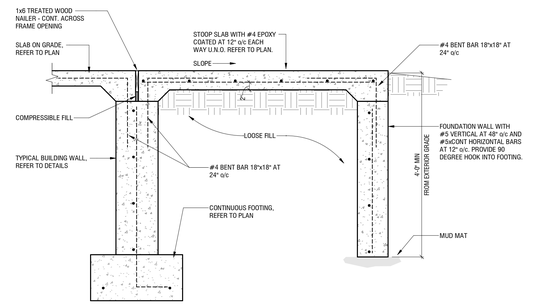


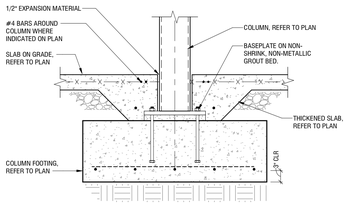
15 S500 OVERPOUR SECTION AT INTERIOR ON EXISTING
3/4" = 1'-0"



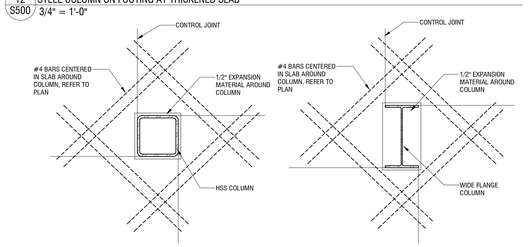
14 S500 SECTION AT OVERHEAD DOOR AT APRON
3/4" = 1'-0"



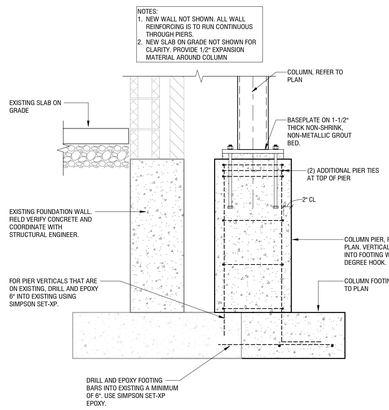




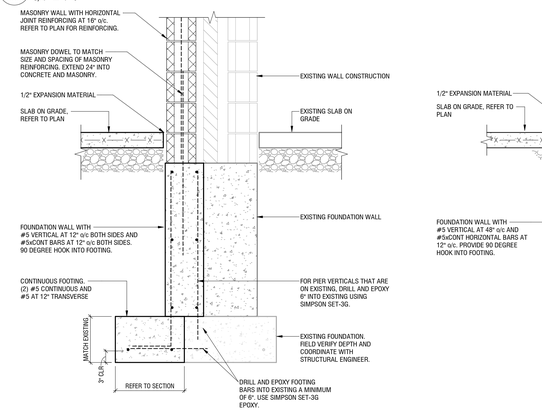
12 S500 STEEL COLUMN ON FOOTING AT THICKENED SLAB
3/4" = 1'-0"



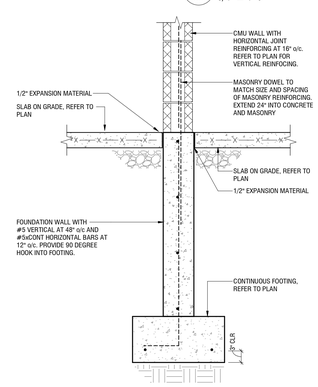
11 S500 PLAN AT STEEL COLUMN
1" = 1'-0"



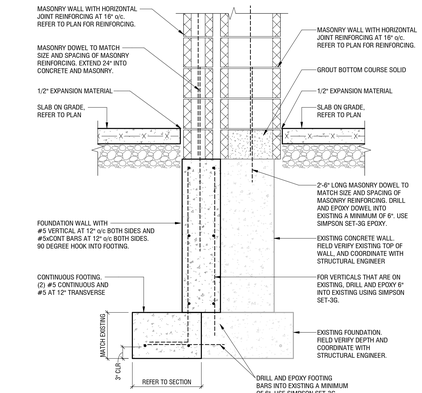
10 S500 FOUNDATION AT EXISTING
3/4" = 1'-0"



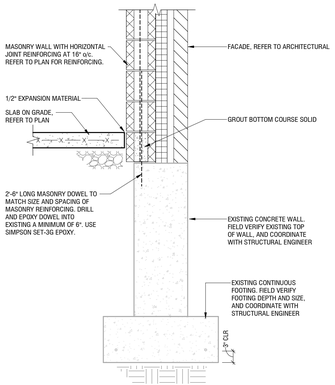
9 S500 WALL FOOTING AT EXISTING
3/4" = 1'-0"



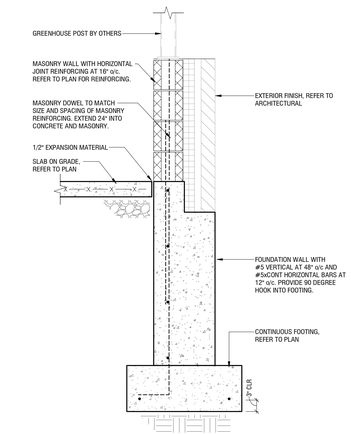
8 S500 FOUNDATION WALL AT INTERIOR MASONRY
3/4" = 1'-0"



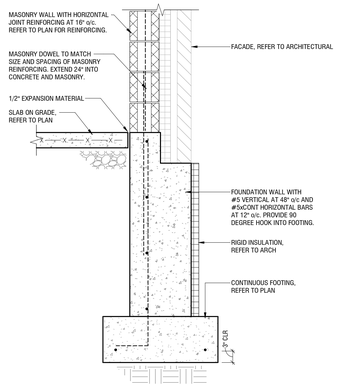
7 S500 WALL FOOTING AT EXISTING 2
3/4" = 1'-0"



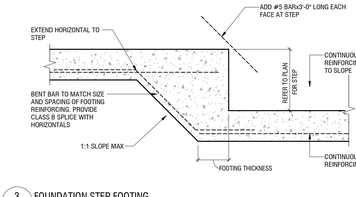
6 S500 FOUNDATION WALL ON EXISTING
3/4" = 1'-0"



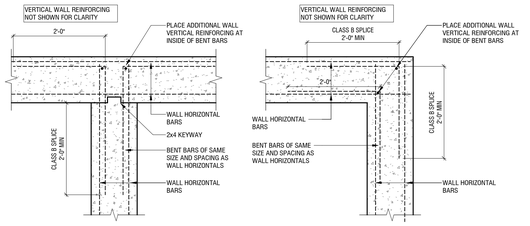
5 S500 FOUNDATION WALL AT MASONRY - GREENHOUSE
3/4" = 1'-0"



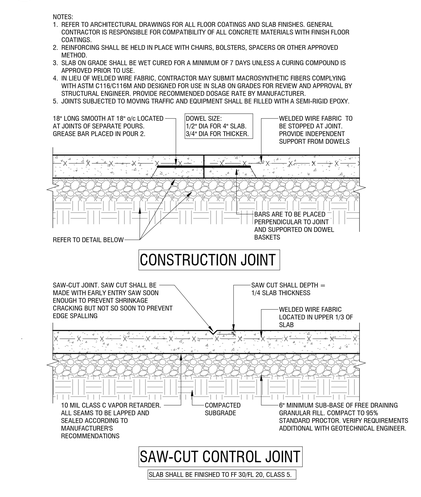
4 S500 FOUNDATION WALL AT MASONRY
3/4" = 1'-0"



3 S500 FOUNDATION STEP FOOTING
1/2" = 1'-0"



2 S500 CORNER BAR DETAILING
3/4" = 1'-0"



1 S500 SLAB ON GRADE
3/4" = 1'-0"

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REYN PROJECT NO: 25187

Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

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12/19/2025

Project Number:
3705

Sheet Title:
STRUCTURAL DETAILS

Sheet Number:
S500

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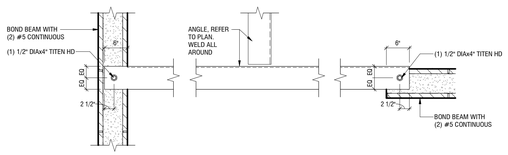
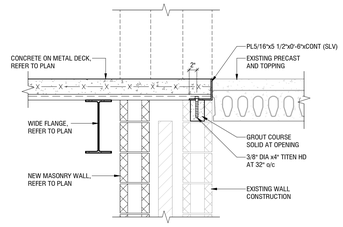
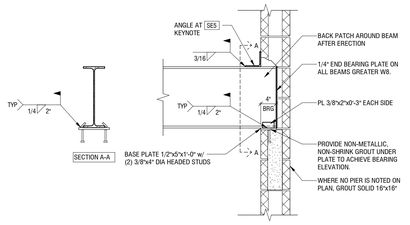


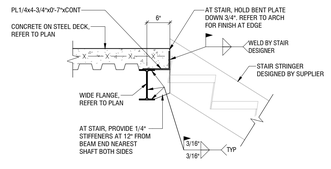
19 S501 WELDING BOOTH DETAILS
3/4" = 1'-0"



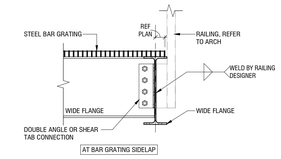
18 S501 SECTION AT NEW TO EXISTING MEZZANINE
3/4" = 1'-0"



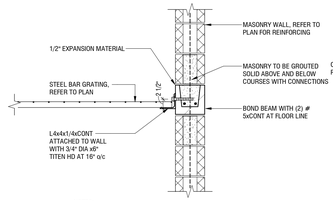
17 S501 BEAM BEARING ON MASONRY
3/4" = 1'-0"



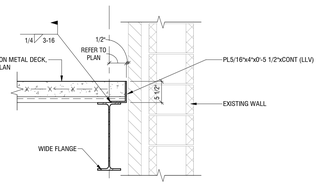
16 S501 SECTION AT STAIR
3/4" = 1'-0"



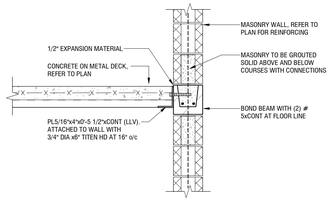
15 S501 SECTION AT GRATING OPENING
3/4" = 1'-0"



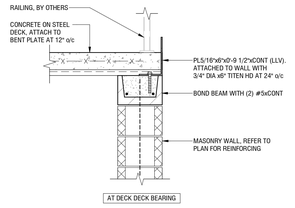
14 S501 FLOOR GRATING BEARING ON MASONRY
3/4" = 1'-0"



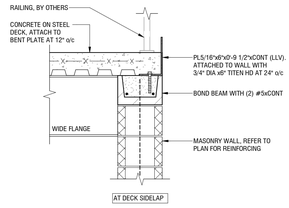
13 S501 SECTION AT FLOOR DECK EDGE AT EXISTING
3/4" = 1'-0"



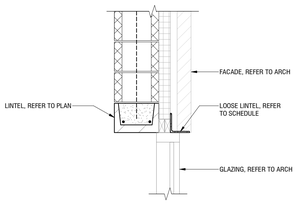
12 S501 FLOOR DECK BEARING ON MASONRY
3/4" = 1'-0"

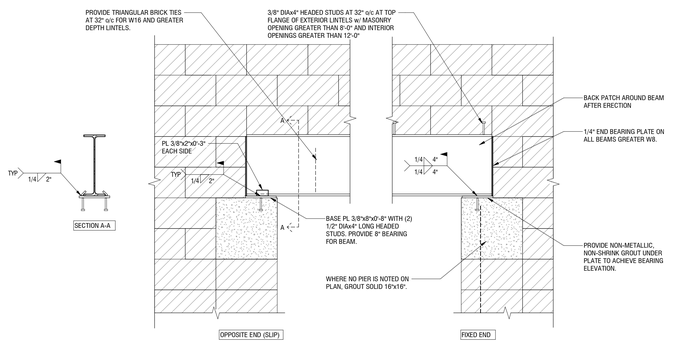


11 S501 SECTION AT DECK EDGE
3/4" = 1'-0"

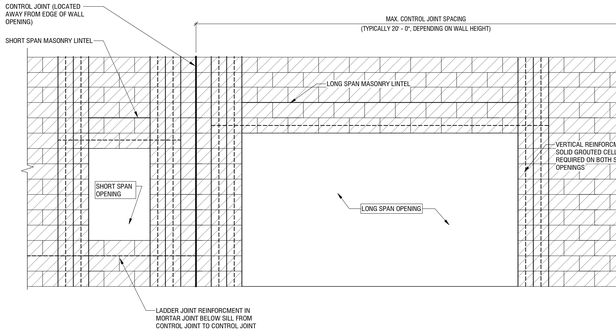


10 S501 HEAD AT CMU BACKUP
3/4" = 1'-0"

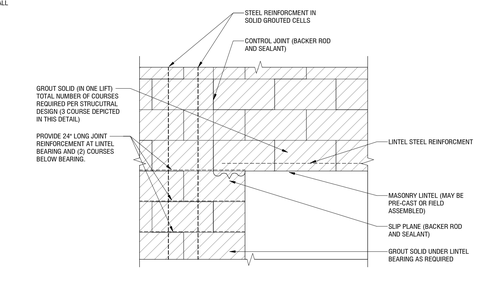


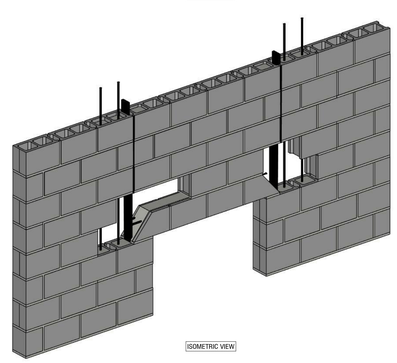


9 S501 BEAM BEARING ON MASONRY WALL END
3/4" = 1'-0"

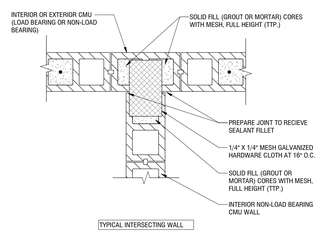


6 S501 REINFORCED MASONRY OPENING & ASSOCIATED CONTROL JOINT DESIGN
3/8" = 1'-0"





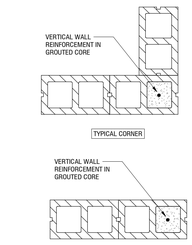
5 S501 UNREINFORCED MASONRY OPENINGS & SLIP PLANE/CONTROL JOINT AT LONG SPAN MASONRY LINTELS
3/4" = 1'-0"



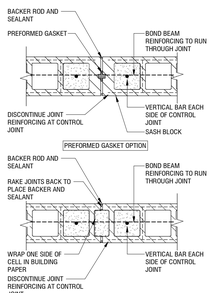
8 S501 TYPICAL JAMBS (STEEL LINTEL)
1" = 1'-0"

7 S501 TYPICAL JAMBS (MASONRY LINTEL)
1" = 1'-0"

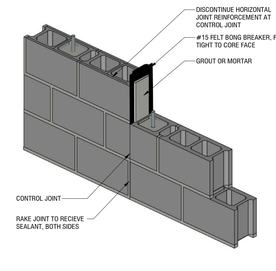
4 S501 INTERSECTING WALL
1" = 1'-0"

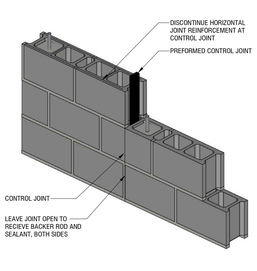


3 S501 MASONRY PLAN DETAILS, END OF WALLS
1" = 1'-0"



2 S501 MASONRY CONTROL JOINT
1" = 1'-0"





1 S501 TYPICAL CONTROL JOINT DETAILS
1" = 1'-0"

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WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

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STRUCTURAL DETAILS

Sheet Number:
S501

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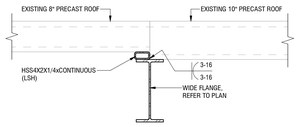
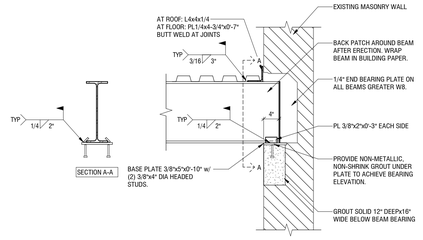
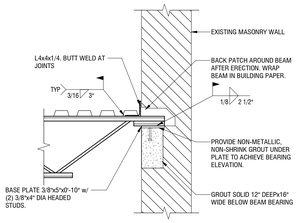


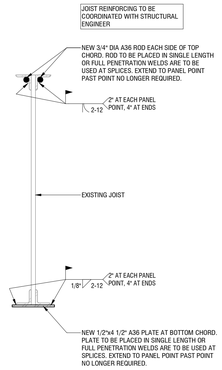
21 S502 EXISTING PRECAST BEARING ON NEW STEEL BEAM
3/4" = 1'-0"



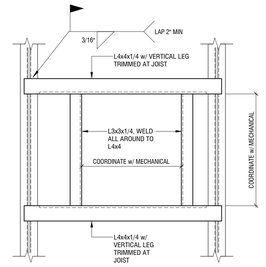
20 S502 BEAM BEARING ON EXISTING MASONRY
3/4" = 1'-0"



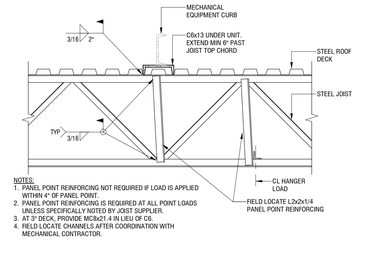
19 S502 JOIST BEARING ON EXISTING MASONRY
3/4" = 1'-0"



18 S502 CHORD REINFORCING
1 1/2" = 1'-0"



17 S502 DECK OPENING FRAMES
3/4" = 1'-0"



16 S502 CONCENTRATED LOAD AT JOIST
3/4" = 1'-0"

15 S502 JOIST BEARING AT STEEL BEAM
3/4" = 1'-0"

BEAM	N	PLATE THICKNESS
W8/W10	2	1/4"
W12/W14	3	1/4"
W16/W18	4	3/8"
W21	5	3/8"
W24	6	3/8"
W27	7	1/2"
W30/W33	8	1/2"
W36	9	1/2"

NOTES:
1. BOLTS ARE TO BE 3/4" DIA, A325, UNLESS NOTED OTHERWISE.
2. OTHER CONNECTIONS MAY BE SUBSTITUTED w/ ENGINEER'S PRIOR CONSENT.
3. SIZES AS SCHEDULED ARE MINIMUM. FABRICATOR MAY INCREASE AS NECESSARY.

14 S502 BEAM OVER COLUMN DETAIL WITH SPLICE
3/4" = 1'-0"

13 S502 BEAM OVER COLUMN AT END
3/4" = 1'-0"

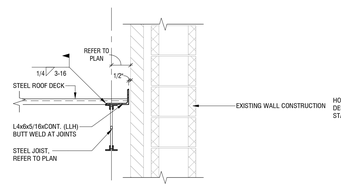
NOTES:
1. BOLTS ARE TO BE 3/4" DIA, A325, UNLESS NOTED OTHERWISE.
2. OTHER CONNECTIONS MAY BE SUBSTITUTED w/ ENGINEER'S PRIOR CONSENT.
3. SIZES AS SCHEDULED ARE MINIMUM. FABRICATOR MAY INCREASE AS NECESSARY.

12 S502 BEAM OVER COLUMN DETAIL AT CANTILEVER
3/4" = 1'-0"

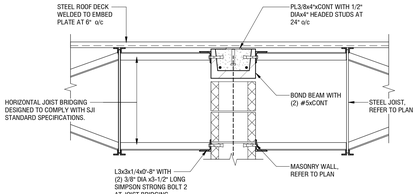
BEAM	N	PLATE SIZE	WELD SIZE
W8/W10	2	5/16x4 1/2"x0'-5 1/2"	1/4"
W12/W14	3	5/16x4 1/2"x0'-8 1/2"	1/4"
W16/W18	4	5/16x4 1/2"x0'-11 1/2"	1/4"
W21	5	5/16x4 1/2"x1'-2 1/2"	1/4"
W24	6	5/16x4 1/2"x1'-5 1/2"	1/4"
W27	7	3/8x4 1/2"x1'-8 1/2"	1/4"
W30/W33	8	3/8x4 1/2"x1'-11 1/2"	1/4"
W36	9	3/8x4 1/2"x2'-2 1/2"	1/4"

NOTES:
1. BOLTS ARE TO BE 3/4" DIA, A325, UNLESS NOTED OTHERWISE.
2. OTHER CONNECTIONS MAY BE SUBSTITUTED WITH ENGINEER'S PRIOR CONSENT.
3. SIZES AS SCHEDULED ARE MINIMUM. FABRICATOR MAY INCREASE AS NECESSARY.

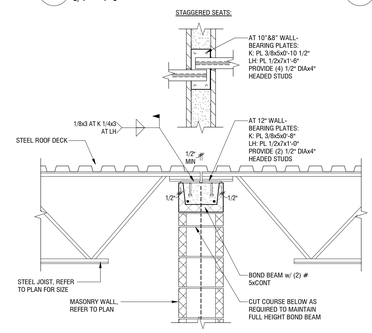
11 S502 TYPICAL BEAM/COLUMN CONNECTION
3/4" = 1'-0"



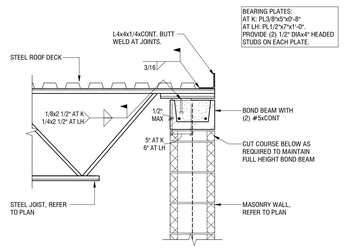
10 S502 SECTION AT ROOF DECK EDGE AT EXISTING
3/4" = 1'-0"



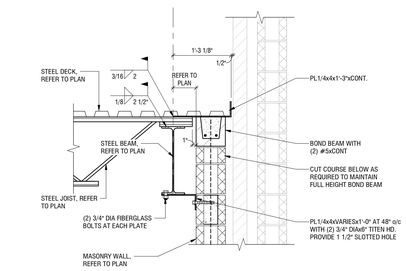
9 S502 DECK BEARING AT TOP OF MASONRY
3/4" = 1'-0"



8 S502 JOIST BEARING AT MASONRY WALL (2 SIDED)
3/4" = 1'-0"



7 S502 JOIST BEARING AT TOP OF MASONRY WALL
3/4" = 1'-0"



6 S502 ROOF JOIST BEARING AT BEAM
3/4" = 1'-0"

5 S502 ROOF DECK BEARING AT CONTINUOUS MASONRY FIREWALL
3/4" = 1'-0"

4 S502 ROOF DECK BEARING AT ENDED MASONRY FIREWALL
3/4" = 1'-0"

3 S502 JOIST BEARING AT MASONRY FIREWALL
3/4" = 1'-0"

2 S502 ROOF DECK BEARING AT MASONRY WALL
3/4" = 1'-0"

1 S502 JOIST BEARING AT MASONRY WALL
3/4" = 1'-0"

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REYN PROJECT NO: 25187

Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

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12/19/2025

Project Number:
3705

Sheet Title:
STRUCTURAL DETAILS

Sheet Number:
S502

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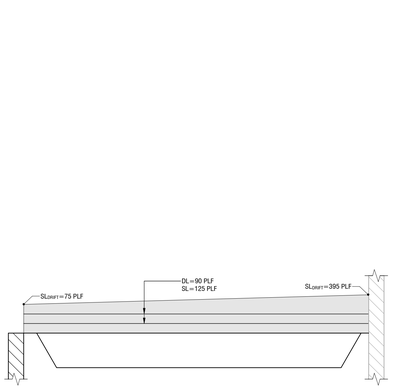
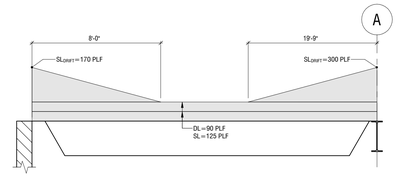
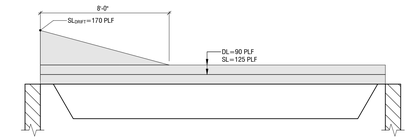


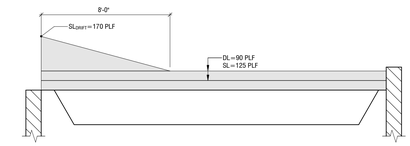
5 S503 12K-SP5
3/8" = 1'-0"



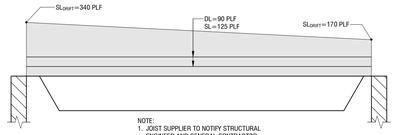
4 S503 30K-SP4
3/8" = 1'-0"



3 S503 16K-SP3
3/8" = 1'-0"



2 S503 30K-SP2
3/8" = 1'-0"



NOTE:
1. JOIST SUPPLIER TO NOTIFY STRUCTURAL ENGINEER AND GENERAL CONTRACTOR IF 2 1/2" JOIST SEAT IS INADEQUATE TYP

1 S503 10K-SP1
3/8" = 1'-0"

7 S503 24K-SP7
3/8" = 1'-0"

6 S503 10K-SP6
3/8" = 1'-0"

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SYMBOL LEGEND

MATERIAL SYMBOLS

- ALUMINUM
- BATT INSULATION
- CONCRETE
- CONCRETE BLOCK
- EARTH
- FACE BRICK
- FINISH WOOD
- GRAVEL
- GROUT
- GYPSUM BOARD
- PLYWOOD
- RIGID INSULATION
- ROUGH LUMBER
- SAND
- SPRAY APPLIED INSULATION
- STEEL

GRAPHIC SYMBOLS

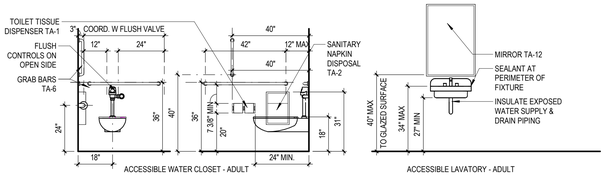
- ROOM NAME / 101 — ROOM NAME, ROOM NUMBER
- 1 / A101 — BUILDING SECTION NUMBER, SHEET NUMBER
- 1 / A101 — WALL SECTION NUMBER, SHEET NUMBER
- A101 — DETAIL NUMBER, SHEET NUMBER
- HM##A.H — DOOR NUMBER
- BL A 00.4 — BORROWED LITE TYPE
- W400.4 — WINDOW TYPE, STOREFRONT TYPE, CURTAIN WALL TYPE
- ? — DEMO KEYNOTE
- ? — KEYNOTE
- X#B — WALL TYPE
- VERTICAL WORKING POINT ELEVATION
- 0 — REVISION
- NORTH ARROW, PLAN NORTH
- A# ##.# — EXTERIOR ELEVATION NUMBER, SHEET NUMBER
- A# ##.# — INTERIOR ELEVATION NUMBER, SHEET NUMBER
- EXISTING WALL, EXISTING DOOR
- DEMOLISHED WALL, DEMOLISHED DOOR
- NEW WALL, NEW DOOR
- 0 — EXISTING GRID LINES
- 0 — NEW GRID LINES

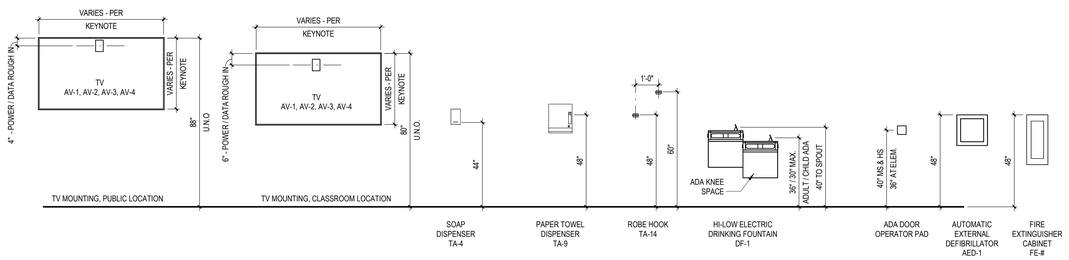
PROJECT KEYNOTE LEGEND

AED-1	AUTOMATIC EXTERNAL DEFIBRILLATOR, CABINET, AND SIGN
AV-1	75" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-2	60" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-3	55" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-4	43" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-5	INTERACTIVE DISPLAY MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-6	DISPLAY CAMERA - FURNISHED AND INSTALLED BY OWNER
AV-7	CEILING MOUNTED PROJECTOR - FURNISHED AND INSTALLED BY OWNER
AV-8	PROJECTION SCREEN - FURNISHED AND INSTALLED BY OWNER
BN-1A	WOOD BENCH - ACCESSIBLE
CBR-1	COUNTERTOP BRACKET (STANDARD)
CBR-2	COUNTERTOP BRACKET (FLUSH MOUNT)
CG-A1	CORNER GUARDS – SEE INTERIOR FINISH LEGEND
CG-A2	CORNER GUARDS – SEE INTERIOR FINISH LEGEND
CG-B1	CORNER GUARDS (STAINLESS STEEL) – SEE INTERIOR FINISH LEGEND
CG-B2	END WALL GUARDS – SEE INTERIOR FINISH LEGEND
CH-1	DOUBLE COAT HOOK
CPT-1	CARPET - SEE INTERIOR FINISH LEGEND
CT-1	TILE - SEE INTERIOR FINISH LEGEND
D01	REMOVE DOOR AND ASSOCIATED HARDWARE ONLY. DOOR FRAME TO REMAIN IN PLACE.
D02	REMOVE DOOR, DOOR FRAME, SIDELITE FRAME, TRANSOM WINDOW AND WOOD PANELING.
D03	REMOVE DOOR, DOOR HARDWARE, AND DOOR FRAME.
D04	REMOVE DOOR, DOOR HARDWARE, DOOR FRAME, AND ADJACENT SIDE LITES.
D05	REMOVE SHUTTER, JAMB TRACKS, AND OVERHEAD SHUTTER HOUSING.
D06	REMOVE ACCORDION FOLDING DOOR AND ALL ASSOCIATED SUPPORTS AND HARDWARE.
D07	REMOVE DOOR AND DOOR HARDWARE. SALVAGE DOOR AND HARDWARE FOR RE-USE. REMOVE FRAME.
D08	REMOVE DOOR OPERATOR
D10	REMOVE WINDOW, PATCH AND PREP FOR NEW INFILL/WINDOW.
D11	REMOVE WINDOW, DEMOLISH WALL ABOVE AND / OR BELOW TO ACCEPT LARGER WINDOW, REFER TO ELEVATIONS.
D13	REMOVE STOREFRONT SYSTEM.
D20	REMOVE WALLS, FULL HEIGHT, PATCH FLOOR AND CEILING TO RECEIVE NEW FINISHES.
D21	REMOVE PORTION OF WALL FOR NEW DOOR OR OPENING LOCATION.
D22	REMOVE PORTION OF WALL FOR NEW WINDOW FRAME.
D28	REMOVE EXISTING WALL BASE, REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH
D32	REMOVE PORTION OF STAGE FLOOR. PREP TO RECEIVE NEW FLOORING
D34	REMOVE FLOOR FINISH AND WALL BASE, REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH.
D35	REMOVE ALL TILE AND TILE BEDDING ON FLOORS. INFILL CONCRETE FLOOR WHERE TILE BED WAS REMOVED TO PROVIDE A FLUSH CONCRETE SLAB FOR NEW FINISHES.
D38	REMOVE AND REPLACE PORTION OF EXISTING CONCRETE SLAB FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D39	REMOVE PORTION OF SLOPED FLOOR. PREP TO RECEIVE NEW FINISHES.
D40	REMOVE ACOUSTICAL CEILING TILES, GRID AND ALL ASSOCIATED SUPPORTS.
D41	REMOVE GYPSUM BOARD CEILING/BULKHEAD/SOFFIT AND ALL ASSOCIATED STRUCTURE/SUPPORT.
D45	REMOVE CEILING TILE AND CEILING GRID TO NEAREST GRIDLINE TO PERFORM WORK
D50	REMOVE ARCHITECTURAL WOODWORK INCLUDING BASE CABINETS, UPPER CABINETS, AND/OR COUNTERTOPS.
D51	REMOVE AND SALVAGE ARCHITECTURAL WOODWORK INCLUDING BASE CABINETS, UPPER CABINETS, AND/OR COUNTERTOPS.
D54	REMOVE BUILT IN DISPLAY CASE, GLASS DOORS, AND WOOD TRIM.
D55	REMOVE AND REPLACE PORTION OF EXISTING CONCRETE SLAB FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D59	REMOVE AND REPLACE PORTION OF EXISTING PRECAST FLOOR FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D71	REMOVE HANDRAILS, GUARDRAILS, AND ALL ASSOCIATED SUPPORTS.
D72	REMOVE TREAD AND RISER FINISH
D80	REMOVE SHELVING, STANDARDS, AND ALL ASSOCIATED HARDWARE.
D81	REMOVE FIRE EXTINGUISHER CABINET.
D82	REMOVE LOCKERS AND CONCRETE CURB. PATCH FLOOR TO RECEIVE NEW FINISHES.
D83	REMOVE ALL TOILET PARTITIONS, TOILET ACCESSORIES, AND ASSOCAITED HARDWARE / SUPPORTS.
D84	REMOVE LOCKERS. REMOVE WOOD BASE AND PREP FLOOR TO RECEIVE NEW FINISHES.
D87	REMOVE KITCHEN EQUIPMENT. PATCH FLOOR AND CEILING TO RECEIVE NEW FINISHES.
D88	REMOVE MOUNTED MONITOR AND ALL ASSOCIATED HARDWARE. SALVAGE AND RETURN TO OWNER.
D89	REMOVE DISPLAY BOARD (TACKBOARD / WHITEBOARD / CHALKBOARD) RETURN TO OWNER. PATCH AND PREP WALL TO REVEIVE NEW FINISHES.
D100	REMOVE THEATER SEATING AND ASSOCIATED HARDWARE, SALVAGE AND RETURN TO OWNER. PATCH FLOOR TO RECEIVE NEW FINISHES.
D101	REMOVE DRINKING FOUNTAIN. SALVAGE AND PREP TO BE REINSTALLED IN EXISTING LOCATION AFTER NEW FINISHES.
D102	REMOVE CAR LIFT AND ALL ASSOCIATED SUPPORTS. SALVAGE TO BE REINSTALLED.
D103	REMOVE FREEZER AND ALL ASSOCIATED HARDWARE. SALVAGED TO BE REINSTALLED.
DC-1	DISPLAY CASE - RECESSED
DC-2	DISPLAY CASE - TWO SIDED
DF-1	ELECTRIC WATER COOLER - SEE PLUMBING
FB-1	FACE BRICK - GRAY
FB-2	FACE BRICK - RED
FB-3	FACE BRICK - BIEGE
FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET
FE-4	FIRE EXTINGUISHER AND BRACKET
FRP-1	FIBER REINFORCED PANEL – SEE INTERIOR FINISH LEGEND
FRP-2	FIBER REINFORCED PANEL – SEE INTERIOR FINISH LEGEND
LAD-1	STEEL LADDER (INTERIOR ACCESS)
LKR-1	LOCKERS - KNOCK-DOWN
LKR-1A	LOCKERS - KNOCK-DOWN (ACCESSIBLE)
MPB-1	METAL (PIPE) BOLLARD - PT-7
MRVT-1	MILLWORK REVEAL TRIM (BETWEEN PANELS)
MRVT-2	MILLWORK REVEAL TRIM (CORNER)
MRVT-3	MILLWORK REVEAL TRIM (EDGE)
MWP-1	FLUSH-PROFILE, CONCEALED-FASTENER METAL WALL PANELS.
OE-1	SOUND PORCH FURNITURE - FURNISHED AND INSTALLED BY OWNER
OE-2	EXISTING CAR LIFT - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
P4	EXISTING BOLLARD. PATCH AND PAINT TO MATCH NEW - PT-7
PLAM-1	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PLAM-2	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PLAM-3	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
PT-5	PAINT - SEE INTERIOR FINISH LEGEND
PT-6	PAINT - SEE INTERIOR FINISH LEGEND
PTE-2	PAINT EXISTING FRAME PT-2
PTE-2A	PAINT EXISTING DOOR AND FRAME PT-2
PTE-2B	PAINT EXISTING RAILING, STAIR STRINGER AND STAIR TREADS PT-2, PAINT VISION STRIP ON STAIR TREADS
RFS-2	ROOF EDGE FASCIA
RFS-3	METAL COPING
RLG-1	PIPE METAL HANDRAIL - WALL MOUNTED
RLG-2	PIPE AND TUBE METAL HANDRAIL - AUDITORIUM
RLG-3	PIPE AND TUBE METAL HANDRAIL - MEZZANINE
RLG-3.1	PIPE AND TUBE METAL HANDRAIL - MEZZANINE - REMOVABLE
RLG-3.2	PIPE AND TUBE GUARDRAIL
RT-1	ROOF TYPE 1
RT-2	ROOF TYPE 2
SC-1	STEEL CASEWORK, PAINT PT-6
SHV-1	PLASTIC LAMINATE SHELVES, STANDARDS, AND BRACKETS
SLW-1	SLAT WALL
SN-1	DIMENSIONAL LETTERS - CAST CHARACTERS
SN-2	DIMENSIONAL LETTERS - CAST CHARACTERS
SN-3	DIMENSIONAL LETTERS - CAST CHARACTERS
SPB-1	SPRAY BOOTH - WALK-IN
SPB-2	SPRAY BOOTH - BENCH
SSC-1	STAINLESS STEEL COUNTERTOP
SSF-1	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
SSF-2	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
TA-1	TOILET TISSUE DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-2	SANITARY NAPKIN DISPOSAL UNIT - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-4	SOAP DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-6	GRAB BAR SET (42", 36" AND 18")
TA-9	PAPER TOWEL DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-12	MIRROR UNIT (24" X 36")
TA-17	CUSTODIAL MOP AND BROOM HOLDER
TRS-10	TRANSITION STRIP - SEE INTERIOR FINISH LEGEND
TRS-14	TRANSITION STRIP (NOSING) - SEE INTERIOR FINISH LEGEND
VCT-3	VINYL COMPOSITION TILE - SEE INTERIOR FINISH LEGEND
WB-1	WALL BASE - SEE INTERIOR FINISH LEGEND
WB-2	WALL BASE - SEE INTERIOR FINISH LEGEND
WC-1	WELDING CURTAIN
WC-2	WELDING STRIP CURTAIN
WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-2	WINDOW TREATMENT (MOTORIZED ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-3	WINDOW TREATMENT (MOTORIZED BLACKOUT ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-4	WINDOW TREATMENT (MANUAL BLACKOUT ROLLER SHADE) - SEE INTERIOR FINISH LEGEND

TYPICAL ABBREVIATIONS

@	AT
A/C	AIR CONDITIONING
ACC	ACCESS(IBLE)
ACM	ALUMINUM COMPOSITE PANEL
ACR	ACOUSTICAL CEILING REFLECTOR
ACS FLR	ACCESS FLOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
ADH	ADHESIVE
ADJ	ADJUSTABLE
AE	ATHLETIC EQUIPMENT
AED	AUTOMATIC EXTERNAL DEFIBRILLATOR
AFF	ABOVE FINISHED FLOOR
AHR	ANCHOR
ALT	ALTERNATE
ALUM	ALUMINUM
AMC	ACOUSTICAL METAL PAN CEILING
ANOD	ANODIZE(D)
AP	ACRYLIC PANEL
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
ARB	AIR BARRIER
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AUD	AUDITORIUM SEATING
AUX	AUXILIARY
AV	AUDIO VISUAL
AVG	AVERAGE
AWF	ACOUSTICAL WALL PANEL MATERIAL
AWP	ACOUSTICAL WALL PANEL
BEJ	BUILDING EXPANSION JOINT (EXTERIOR)
BEV	BEVEL(ED)
BITUM	BITUMINOUS
BLDG	BUILDING
BLE	BRICK LEDGE ELEVATION
BLK	BLOCK(ING)
BLT	BORROWED LITE
BM	BEAM
BMU	BURNISHED MASONRY UNIT
BOT	BOTTOM
BPC	SOUND ABSORBING BAFFLE PANELS
BRD	BRANDING ITEM
BRG	BEARING
BRK	BRICK
BW	BUILDING WRAP
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAB	CABINET
CBR	COUNTERTOP BRACKET
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CFLG	COUNTER FLASHING
CG	CORNER GUARD
CH	COAT HOOK
CIP	CAST-IN PLACE
CJ	CONTROL (CONSTRUCTION) JOINT
CLG	CEILING
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNR	CORNER
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CS	CAST STONE
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
CURT	CURTAIN
CVB	COVERBOARD
DP	CABINET (DOOR/DRAWER) PULL
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN (ELECTRIC WATER COOLER)
DIA	DIAMETER
DMPF	DAMPROOFING
DN	DOWN
DPR	DIGITAL PRINT
DPTN	DEMOUNTABLE PARTITION
DR	DOOR
DRLG	DECORATIVE RAILING / GUARDRAIL
DS	DOWNSPOUT
DTS	DATE STONE
DWG	DRAWING
DWR	DRAWER
E	EAST
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT (INTERIOR)
EL	ELEVATION
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
ENTR	ENTRANCE
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EPT	EPOXY PAINT
EQ	EQUAL
ETR	EXISTING TO REMAIN
EW	EACH WAY
EWC	ELECTRIC WATER COOLER (DRINKING FOUNTAIN)
EXH	EXHAUST
EXPO	EXPOSED
EXST	EXISTING
EXT	EXTERIOR
F&I	FURNISH & INSTALL
FAB	FABRIC
FB	FACE BRICK
FCO	FLOOR CLEANOUT
FCS	FIBER CEMENT SIDING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FE-36	FIRE EXTINGUISHER (AGENT 36 FOR COMPUTERS)
FEC	FIRE EXTINGUISHER CABINET
FEP	FINISHED END PANEL
FGL	FIBERGLASS
FHP	FULL HEIGHT PARTITION
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR LINE
FLASH	FLASHING
FLG	FLOORING
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FOW	FACE OF WALL
FP	FIREPROOF (ING)
FPGL	FIRE PROTECTIVE GLAZING UNIT
FRFD	FIRE RATED FOLDING DOOR
FRG	FIBER REINFORCED GYPSUM
FRGL	FIRE RESISTIVE GLAZING UNIT
FRP	FIBER REINFORCED PLASTIC
FSTNR	FASTENER
FTG	FOOTING
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCJ	GYPSUM BOARD CONTROL JOINT
GEN	GENERAL
GF	GROUND FACE
GF CMU	GROUND FACE CMU
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GL	MONOLITHIC GLAZING UNIT
GL	GLASS
GL BLK	GLASS BLOCK
GL CMU	GLAZED CMU
GR	GRADE
GROM	GROMMET
GT	GROUT
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
HB	HOSE BIBB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HYD	HYDRANT
IGU	INSULATED GLASS UNIT
IMC	INTUMESCENT MASTIC COATING
INCL	INCLUDED
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IPT	INTUMESCENT PAI
JAN	JANITOR
JAN CLO	JANITOR'S CLOSET
JT	JOINT
KIN	KINETEK TILE
KPL	KICK PLATE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LINO	LINOLEUM TILE
LKR	LOCKER
LMC	LINEAR METAL CEILING
LOC	LOCATION
LT	LIGHT
LVR	LOUVER
LVT	LUXURY VINYL TILE
MA	MASONRY ACCESSORY
MAX	MAXIMUM
MD	METAL DECK
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MJ	MASONRY MOVEMENT JOINT
MKB	MARKERBOARD
MKBV	MARKERBOARD VINYL
MLWK	MILLWORK
MO	MASONRY OPENING
MOB	MOBILE PARTITION
MPB	METAL (PIPE) BOLLARD
MS	MOP SINK (SERVICE SINK)
MSP	METAL SOFFIT PANEL
MT	MOSAIC TILE
MTD	MOUNTED
MTL	METAL
MWP	METAL WALL PANEL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED / OWNER INSTALLED
OH	OVERHEAD
OHDR	OVERHEAD DOOR
OPH	OPPOSITE HAND
OPNG	OPENING
PCONC	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISH(ED)
PROJ	PROJECT
PT	PAINT
PVG	PAVING
PVMT	PAVEMENT
PWR	POWER
QT	QUARRY TILE
QZ	QUARTZ
R	RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
REINF	REINFORCE
REM	REMOVABLE
REQD	REQUIRED
RES	RESINOUS FLOORING
RFG	ROOFING
RFS	ROOF SPECIALTIES
RH	ROOF HATCH
RLG	RAILING / GUARDRAIL
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RUB	RUBBER FLOORING
S	SOUTH
SAN	SANITARY
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SC	SOLID CORE
SCA	SECURITY CEILING ASSEMBLIES
SCHED	SCHEDULE
SCONC	SEALED CONCRETE
SF	SQUARE FOOT
SHT	SHEET
SHTHG	SHEATHING
SKLT	SKYLIGHT
SLNT	SEALANT
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SPKR	SPEAKER
SPT	SPORTS FLOORING
SQ	SQUARE
SQ IN	SQUARE INCH
SSC	STAINLESS STEEL COUNTERTOP
SSF	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STG	SEATING
STL	STEEL
STL JST	STEEL JOIST
STL LNTL	STEEL LINTEL
STL PL	STEEL PLATE
STL TB	STEEL TUBE
STL TR	STEEL TRUSS
STM	STEAM
STN	STONE
STNV	STONE VENEER
STOR	STORAGE
SV	SHEET VINYL
SYS	SYSTEM
T	TREADS
T&G	TONGUE & GROOVE
TA	TOILET ACCESSORY
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY, TEMPERED
TER	TERRAZZO
TKB	TACKBOARD
TKS	TACKABLE WALL STRIP
TO	TOP OF
TP	TOILET COMPARTMENT (PARTITION)
TRS	TRANSITION STRIP
TS	TACKABLE SURFACE
TSS	TELESCOPIC STANDS (BLEACHERS)
TT	TERRAZZO TILE
TWF	TACKABLE WALL PANEL MATERIAL
TWP	TACKABLE WALL PANEL
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISH(ED)
UR	URINAL
UTIL	UTILITY
VCS	VINYL COMPOSITION SHEET
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VNR	VENEER
VOL	VOLUME
VP	VENEER PLASTER
VR	VAPOR RETARDER
VS	VERTICAL SUNSHADE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/W	WALL TO WALL
WB	WALL BASE
WD	WOOD
WDFIN	WOOD FINISH
WDFLR	WOOD FLOOR
WDW	WINDOW
WDWT	WINDOW TREATMENT
WGL	WIREED GLASS
WOT	WALK OFF CARPET TILE
WP	WATERPROOFING
WSB	WALL SHEATHING
WSCT	WAINSCOT
WWR	WELDED WIRE REINFORCEMENT
YD	YARD
YR	YEAR





TYPICAL MOUNTING HEIGHTS

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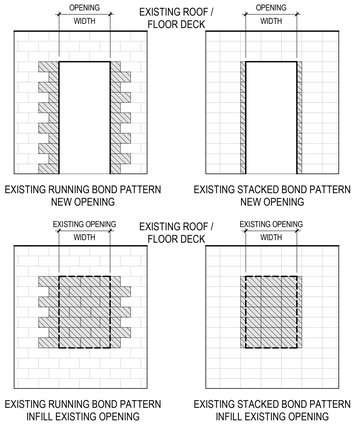
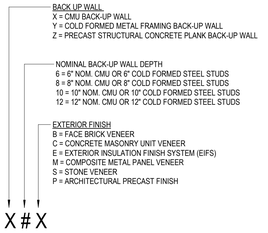
OPENING / INFILL AT EXISTING MASONRY WALL



1. TOOTH-IN NEW MASONRY TO MATCH EXISTING CMU DIMENSIONS AND PATTERN
2. USE BULL-NOSE CORNERS UNLESS OTHERWISE NOTED FOR FRAMED OPENINGS.
3. AT BRICK CONDITIONS USE SALVAGED BRICK.
4. AT STRUCTURALLY SUPPORTED OPENINGS, COORDINATE WITH STRUCTURAL DRAWINGS FOR LINTEL AND BEARING INFORMATION. MODIFY THE EXTENT OF TOOTH-IN WORK AS REQUIRED FOR LINTEL BEARING.
5. AT EXTERIOR LOCATIONS, MATCH BRICK COURSING AND STYLE TO ADJACENT WALL FOR NEW OPENINGS & INFILL.

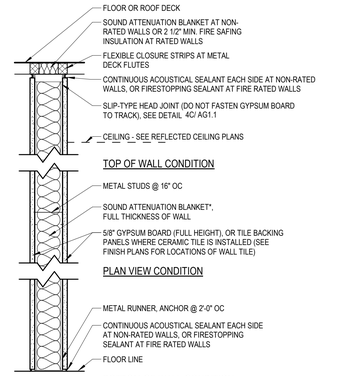
EXTERIOR WALL LEGEND

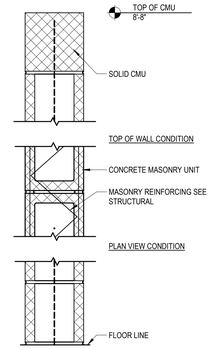
EXTERIOR WALL NAMING METHOD

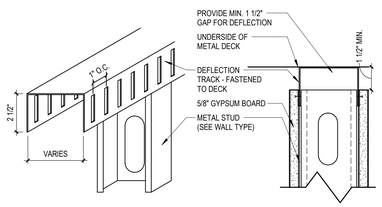


2D OPENING IN EXISTING MASONRY WALL

AG1.1 Scale: 1/4" = 1'-0"

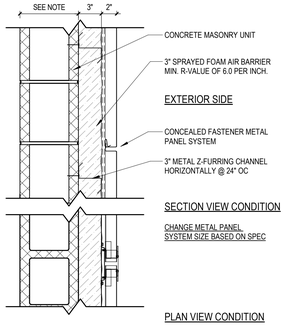






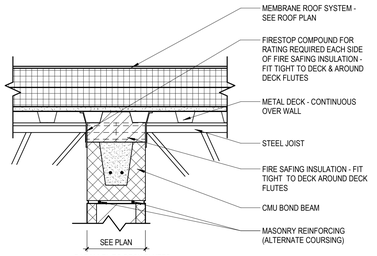
4C SLIP-TYPE HEAD JOINT

AG1.1 Scale: 3" = 1'-0"

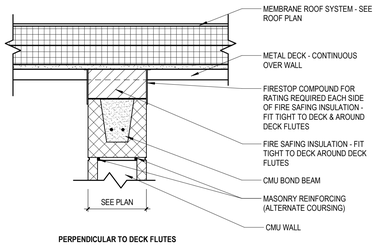


UL RATED CMU: 6" CMU - UL FIRE RATED - DESIGN NO. U906 8" CMU - UL FIRE RATED - DESIGN NO. U905	X#M INDICATES NOMINAL CMU SIZE X8M 8" CMU X10M 10" CMU X12M 12" CMU

WALL TYPE X#M



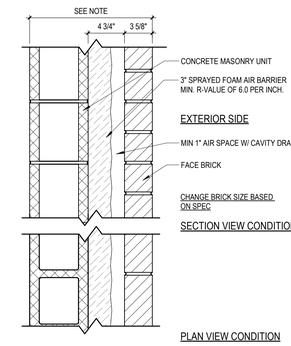
PARALLEL TO DECK FLUTES



PERPENDICULAR TO DECK FLUTES

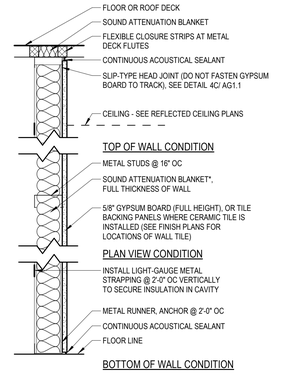
4A TOP OF RATED MASONRY WALL

AG1.1 Scale: 1 1/2" = 1'-0"



REVIEW ENERGY PERFORMANCE	X#B INDICATES NOMINAL CMU SIZE X8B 8" CMU 16" DEEP X10B 10" CMU 18" DEEP X12B 12" CMU 20" DEEP

WALL TYPE X#B



"n" IN WALL TAG INDICATES WALLS WITHOUT SOUND ATTENUATION BLANKET	C# INDICATES NOMINAL STUD SIZE C2 1 5/8" STUD 2 1/4" DEEP C3 2 1/2" STUD 3 1/8" DEEP C4 3 5/8" STUD 4 1/4" DEEP C6 6" STUD 6 5/8" DEEP C8 8" STUD 8 5/8" DEEP

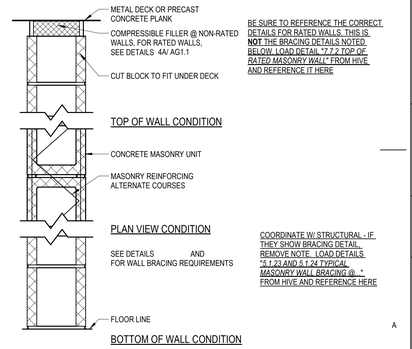
WALL TYPE C#

U.L. DESIGN NO.: U419 (AT 1 HOUR WALLS) "n" IN WALL TAG INDICATES WALLS WITHOUT SOUND ATTENUATION BLANKET	A# INDICATES NOMINAL STUD SIZE A2 1 5/8" STUD 2 7/8" DEEP A3 2 1/2" STUD 3 3/4" DEEP A4 3 5/8" STUD 4 7/8" DEEP A6 6" STUD 7 1/4" DEEP A8 8" STUD 9 1/4" DEEP

WALL TYPE A#

	G#A INDICATES NOMINAL CMU SIZE G4A 4" CMU 3 5/8" ACTUAL G6A 6" CMU 5 5/8" ACTUAL G8A 8" CMU 7 5/8" ACTUAL G10A 10" CMU 9 5/8" ACTUAL G12A 12" CMU 11 5/8" ACTUAL

WALL TYPE G#A



U.L. DESIGN NO.: U905 (AT RATED WALLS) "S" IN TAG = CORES GROUTED SOLID 2.8" MIN. EQUIV. DEPTH @ 1 HR. WALLS 4.2" MIN. EQUIV. DEPTH @ 2 HR. WALLS	G# INDICATES NOMINAL CMU SIZE G4 4" CMU 3 5/8" ACTUAL G6 6" CMU 5 5/8" ACTUAL G8 8" CMU 7 5/8" ACTUAL G10 10" CMU 9 5/8" ACTUAL G12 12" CMU 11 5/8" ACTUAL

WALL TYPE G#

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WALL TYPES

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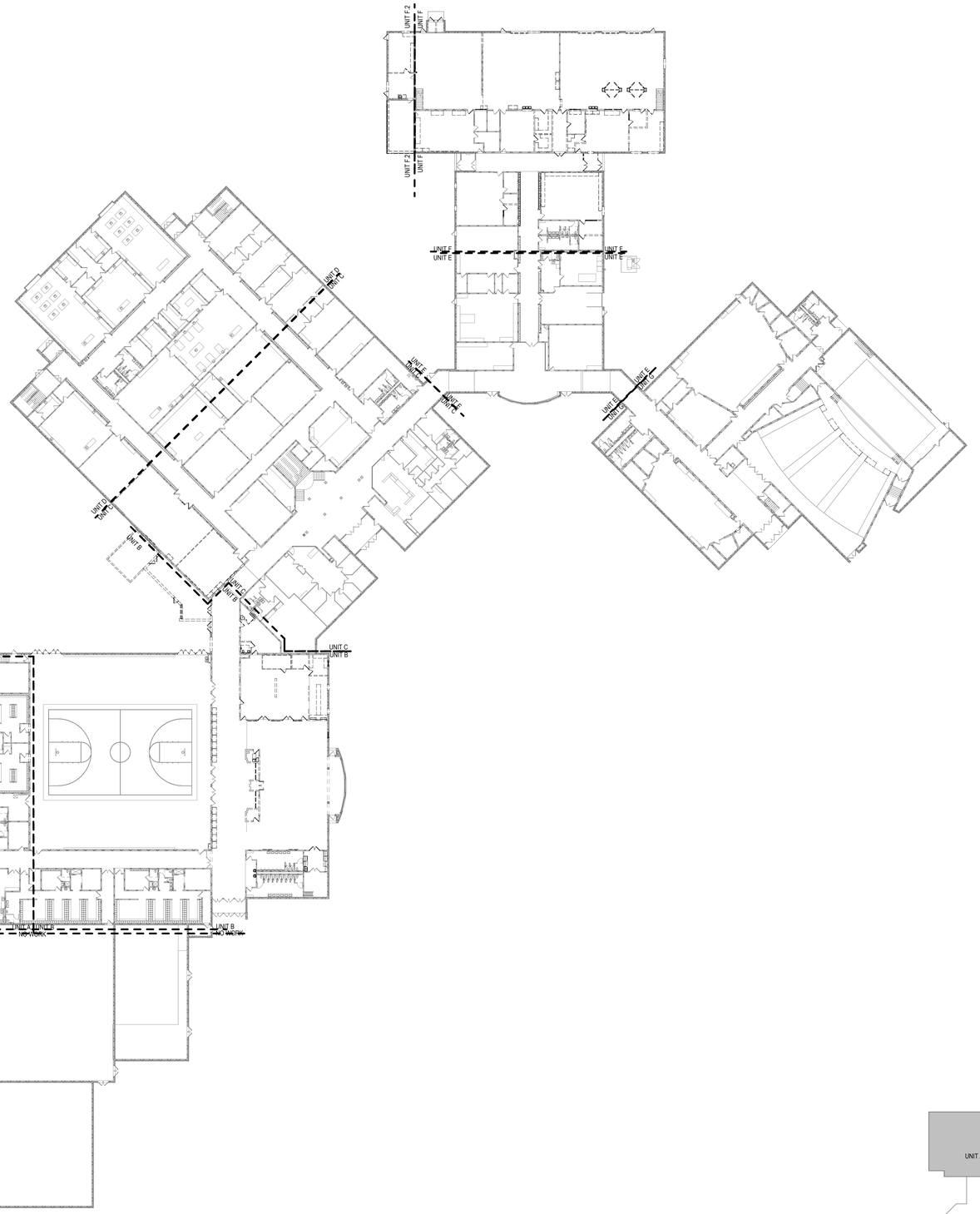


4A OVERALL FIRST FLOOR DEMO PLAN
A0.1 Scale: 1" = 30'-0"

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME

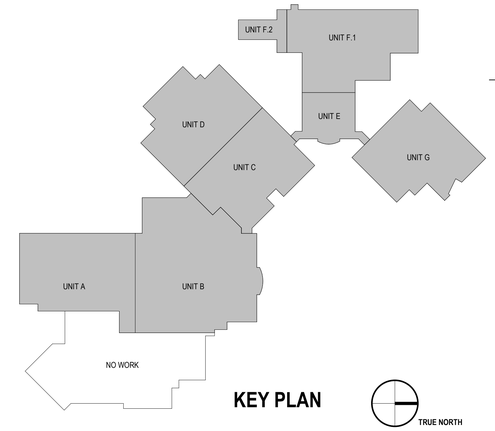
	EX. RM #		
	CMU+		EXISTING WALL MATERIAL
EXISTING FLOOR FINISH	CPT+	RB	EXISTING WALL BASE TYPE
EXISTING CEILING TYPE	APC	9'-0"	EXISTING CEILING HEIGHT

+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM.
SEE DEMOLITION PLANS FOR LOCATIONS OF ADDITIONAL FINISHES.

SLAB/FLOOR REMOVAL
COORDINATED WITH MEP DRAWINGS

1. OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
2. REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE FINISH PLANS & INTERIOR FINISH LEGEND FOR FINISHES.
3. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
4. UNLESS NOTED OTHERWISE, PATCH ALL FLOORS, BASE, WALLS AND CEILINGS AT EXPOSED AREAS AFFECTED BY DEMOLITION REGARDLESS OF TRADE DOING THE DEMOLITION WORK. PATCH TO MATCH ADJACENT EXISTING CONSTRUCTION WHERE SPECIFIC INFORMATION IS NOT NOTED OR SCHEDULED. REFER TO FINISH PLANS.
5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
7. SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.
8. REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

KEYNOTE LEGEND



KEY PLAN

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FIRST FLOOR DEMOLITION PLAN

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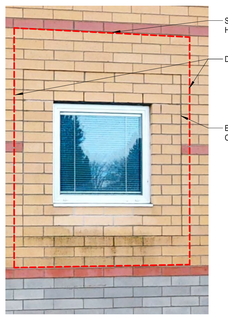


6E DEMO SCOPE REFRENCE

A0.1B Scale: 3/8" = 1'-0"

A4 FIRST FLOOR DEMO PLAN - UNIT B

A0.1B Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME
EX. RM #
CMU+ — EXISTING WALL MATERIAL
EXISTING FLOOR FINISH — CPT+ — RB — EXISTING WALL BASE TYPE
EXISTING CEILING TYPE — APC — 9'-0" — EXISTING CEILING HEIGHT

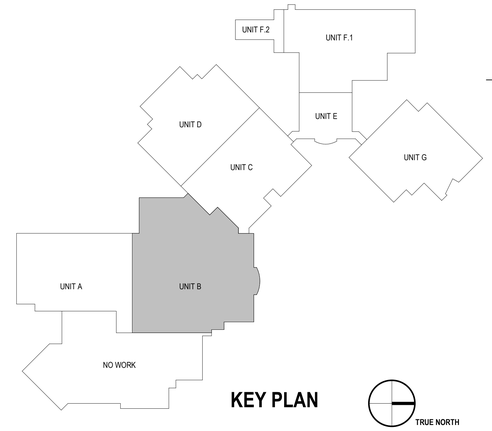
+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM. SEE DEMOLITION PLANS FOR LOCATIONS OF ADDITIONAL FINISHES.

SLAB/FLOOR REMOVAL COORDINATED WITH MEP DRAWINGS

1. OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
2. REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE FINISH PLANS & INTERIOR FINISH LEGEND FOR FINISHES.
3. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
4. UNLESS NOTED OTHERWISE, PATCH ALL FLOORS, BASE, WALLS AND CEILINGS AT EXPOSED AREAS AFFECTED BY DEMOLITION REGARDLESS OF TRADE DOING THE DEMOLITION WORK. PATCH TO MATCH ADJACENT EXISTING CONSTRUCTION WHERE SPECIFIC INFORMATION IS NOT NOTED OR SCHEDULED. REFER TO FINISH PLANS.
5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
7. SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.
8. REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

KEYNOTE LEGEND

D01	REMOVE DOOR AND ASSOCIATED HARDWARE ONLY. DOOR FRAME TO REMAIN IN PLACE.
D03	REMOVE DOOR, DOOR HARDWARE, AND DOOR FRAME.
D06	REMOVE ACCORDION FOLDING DOOR AND ALL ASSOCIATED SUPPORTS AND HARDWARE.
D08	REMOVE DOOR OPERATOR
D11	REMOVE WINDOW, DEMOLISH WALL ABOVE AND / OR BELOW TO ACCEPT LARGER WINDOW, REFER TO ELEVATIONS.
D20	REMOVE WALLS, FULL HEIGHT. PATCH FLOOR AND CEILING TO RECEIVE NEW FINISHES.
D21	REMOVE PORTION OF WALL FOR NEW DOOR OR OPENING LOCATION.
D22	REMOVE PORTION OF WALL FOR NEW WINDOW FRAME.
D28	REMOVE EXISTING WALL BASE, REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH
D34	REMOVE FLOOR FINISH AND WALL BASE, REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH.
D35	REMOVE ALL TILE AND TILE BEDDING ON FLOORS. INFILL CONCRETE FLOOR WHERE TILE BED WAS REMOVED TO PROVIDE A FLUSH CONCRETE SLAB FOR NEW FINISHES.
D50	REMOVE ARCHITECTURAL WOODWORK INCLUDING BASE CABINETS, UPPER CABINETS, AND/OR COUNTERTOPS.
D54	REMOVE BUILT IN DISPLAY CASE, GLASS DOORS, AND WOOD TRIM.
D55	REMOVE AND REPLACE PORTION OF EXISTING CONCRETE SLAB FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D80	REMOVE SHELVING, STANDARDS, AND ALL ASSOCIATED HARDWARE.
D81	REMOVE FIRE EXTINGUISHER CABINET.
D82	REMOVE LOCKERS AND CONCRETE CURB. PATCH FLOOR TO RECEIVE NEW FINISHES.
D83	REMOVE ALL TOILET PARTITIONS, TOILET ACCESSORIES, AND ASSOCAITED HARDWARE / SUPPORTS.
D87	REMOVE KITCHEN EQUIPMENT. PATCH FLOOR AND CEILING TO RECEIVE NEW FINISHES.
D88	REMOVE MOUNTED MONITOR AND ALL ASSOCIATED HARDWARE. SALVAGE AND RETURN TO OWNER.
D103	REMOVE FREEZER AND ALL ASSOCIATED HARDWARE. SALVAGED TO BE REINSTALLED.



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3705

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UNIT B - FIRST FLOOR DEMO PLAN

Sheet Number:
A0.1B

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KEYNOTE LEGEND

D02	REMOVE DOOR, DOOR FRAME, SIDELITE FRAME, TRANSOM WINDOW AND WOOD PANELING.
D06	REMOVE ACCORDION FOLDING DOOR AND ALL ASSOCIATED SUPPORTS AND HARDWARE.
D21	REMOVE PORTION OF WALL FOR NEW DOOR OR OPENING LOCATION.
D22	REMOVE PORTION OF WALL FOR NEW WINDOW FRAME.
D34	REMOVE FLOOR FINISH AND WALL BASE, REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH.
D50	REMOVE ARCHITECTURAL WOODWORK INCLUDING BASE CABINETS, UPPER CABINETS, AND/OR COUNTERTOPS.
D55	REMOVE AND REPLACE PORTION OF EXISTING CONCRETE SLAB FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D59	REMOVE AND REPLACE PORTION OF EXISTING PRECAST FLOOR FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D89	REMOVE DISPLAY BOARD (TACKBOARD / WHITEBOARD / CHALKBOARD) RETURN TO OWNER. PATCH AND PREP WALL TO REVEIVE NEW FINISHES.

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME
EX. RM #
CMU+ — EXISTING WALL MATERIAL
EXISTING FLOOR FINISH — CPT+ | RB — EXISTING WALL BASE TYPE
EXISTING CEILING TYPE — APC | 9'-0" — EXISTING CEILING HEIGHT

+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM.
SEE DEMOLITION PLANS FOR LOCATIONS OF ADDITIONAL FINISHES.

SLAB/FLOOR REMOVAL
COORDINATED WITH MEP DRAWINGS

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2. REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE FINISH PLANS & INTERIOR FINISH LEGEND FOR FINISHES.
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5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
7. SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.
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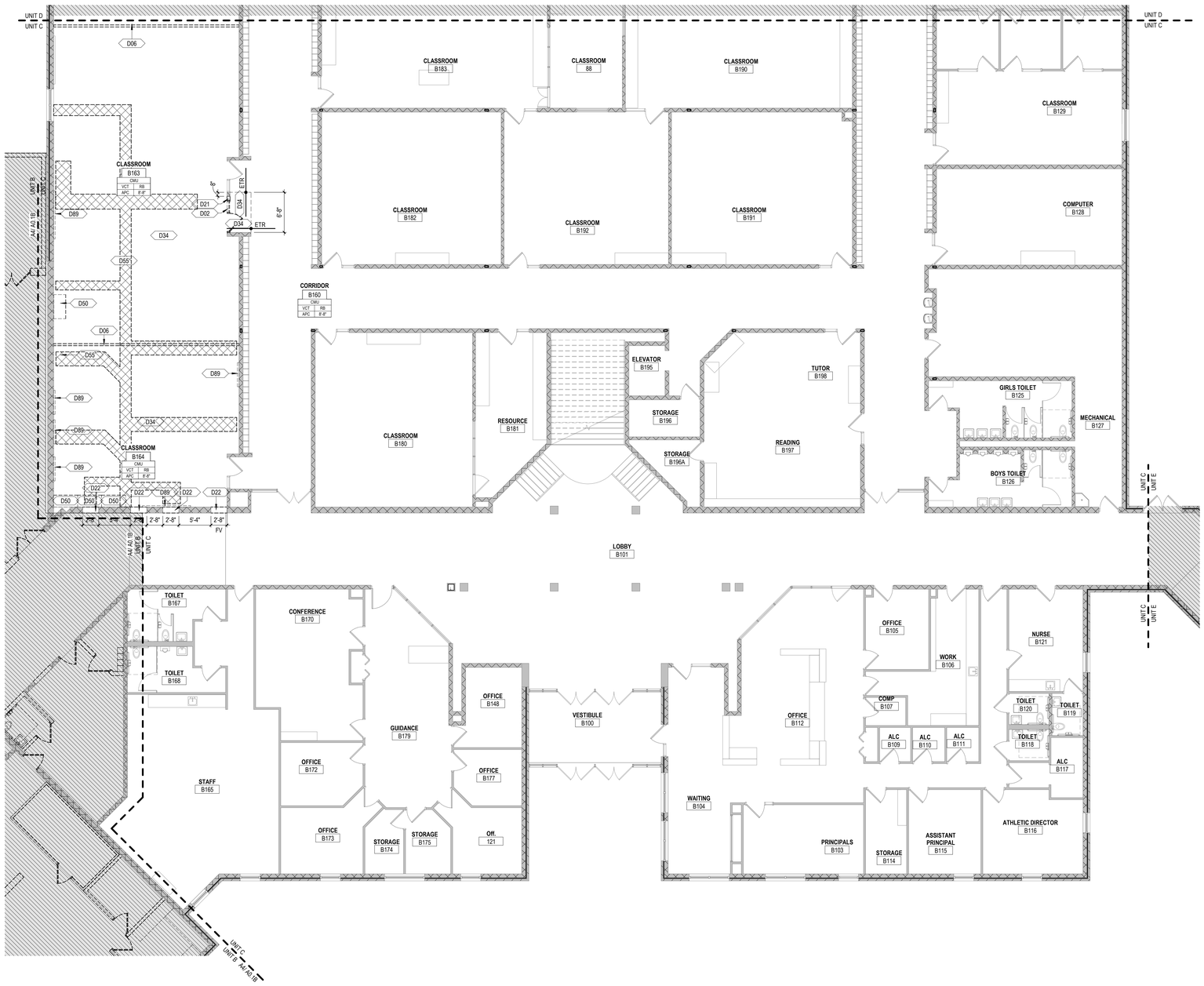
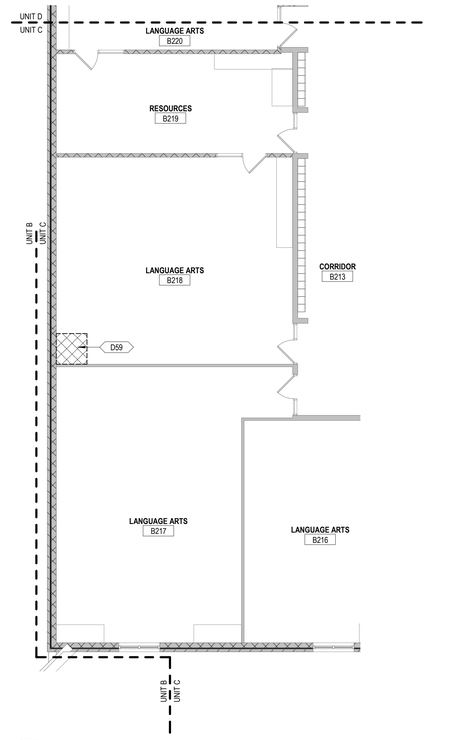
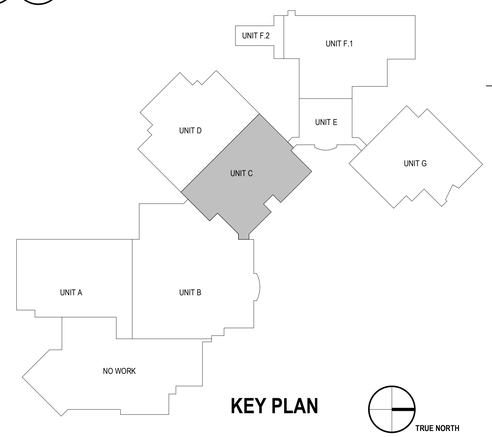


5A A0.1C FIRST FLOOR DEMO PLAN - UNIT C
Scale: 1/8" = 1'-0"



2B A0.1C SECOND FLOOR DEMO PLAN - PARTIAL UNIT C
Scale: 1/8" = 1'-0"



KEY PLAN

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WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT C - FIRST FLOOR DEMO PLAN

Sheet Number:
A0.1C

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GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME
EX. RM #
CMU+ — EXISTING WALL MATERIAL
EXISTING FLOOR FINISH — CPT+ | RB — EXISTING WALL BASE TYPE
EXISTING CEILING TYPE — APC | 9'-0" — EXISTING CEILING HEIGHT

+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM.
SEE DEMOLITION PLANS FOR LOCATIONS OF ADDITIONAL FINISHES.

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5. DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
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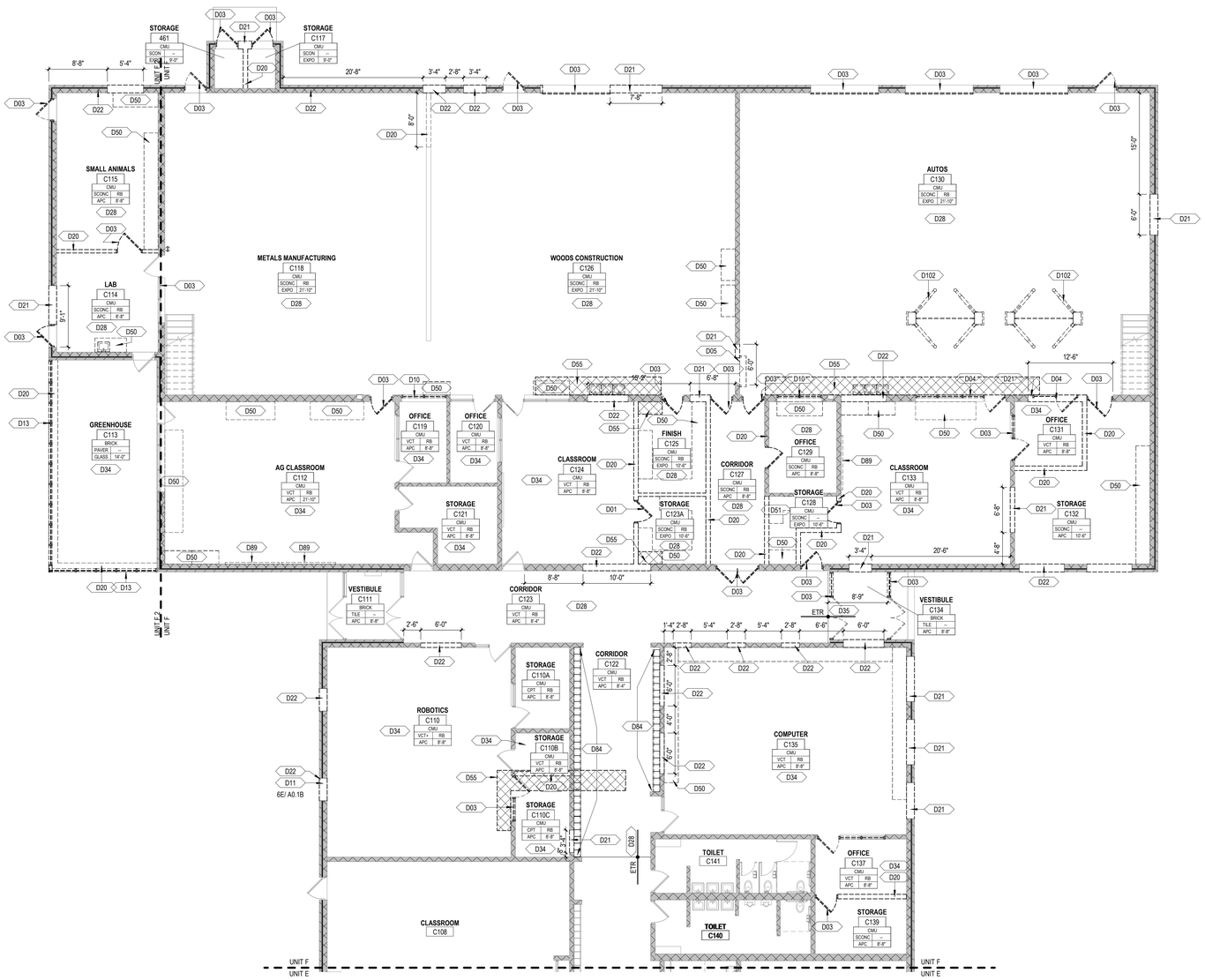
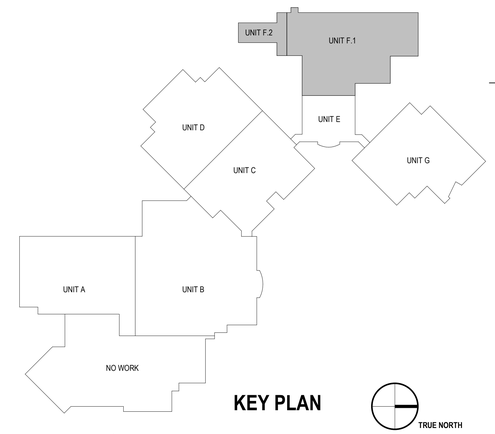
KEYNOTE LEGEND

D01	REMOVE DOOR AND ASSOCIATED HARDWARE ONLY. DOOR FRAME TO REMAIN IN PLACE.
D03	REMOVE DOOR, DOOR HARDWARE, AND DOOR FRAME.
D04	REMOVE DOOR, DOOR HARDWARE, DOOR FRAME, AND ADJACENT SIDE LITES.
D05	REMOVE SHUTTER, JAMB TRACKS, AND OVERHEAD SHUTTER HOUSING.
D10	REMOVE WINDOW, PATCH AND PREP FOR NEW INFILL/WINDOW.
D11	REMOVE WINDOW, DEMOLISH WALL ABOVE AND / OR BELOW TO ACCEPT LARGER WINDOW, REFER TO ELEVATIONS.
D13	REMOVE STOREFRONT SYSTEM.
D20	REMOVE WALLS, FULL HEIGHT. PATCH FLOOR AND CEILING TO RECEIVE NEW FINISHES.
D21	REMOVE PORTION OF WALL FOR NEW DOOR OR OPENING LOCATION.
D22	REMOVE PORTION OF WALL FOR NEW WINDOW FRAME.
D28	REMOVE EXISTING WALL BASE. REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH
D34	REMOVE FLOOR FINISH AND WALL BASE. REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH.
D35	REMOVE ALL TILE AND TILE BEDDING ON FLOORS. INFILL CONCRETE FLOOR WHERE TILE BED WAS REMOVED TO PROVIDE A FLUSH CONCRETE SLAB FOR NEW FINISHES.
D50	REMOVE ARCHITECTURAL WOODWORK INCLUDING BASE CABINETS, UPPER CABINETS, AND/OR COUNTERTOPS.
D51	REMOVE AND SALVAGE ARCHITECTURAL WOODWORK INCLUDING BASE CABINETS, UPPER CABINETS, AND/OR COUNTERTOPS.
D55	REMOVE AND REPLACE PORTION OF EXISTING CONCRETE SLAB FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D84	REMOVE LOCKERS. REMOVE WOOD BASE AND PREP FLOOR TO RECEIVE NEW FINISHES.
D89	REMOVE DISPLAY BOARD (TACKBOARD / WHITEBOARD / CHALKBOARD) RETURN TO OWNER. PATCH AND PREP WALL TO REVEIVE NEW FINISHES.
D102	REMOVE CAR LIFT AND ALL ASSOCIATED SUPPORTS. SALVAGE TO BE REINSTALLED.



4A / A0.1F FIRST FLOOR DEMO PLAN - UNIT F
Scale: 1/8" = 1'-0"



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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT F - FIRST FLOOR DEMO PLAN

Sheet Number:
A0.1F

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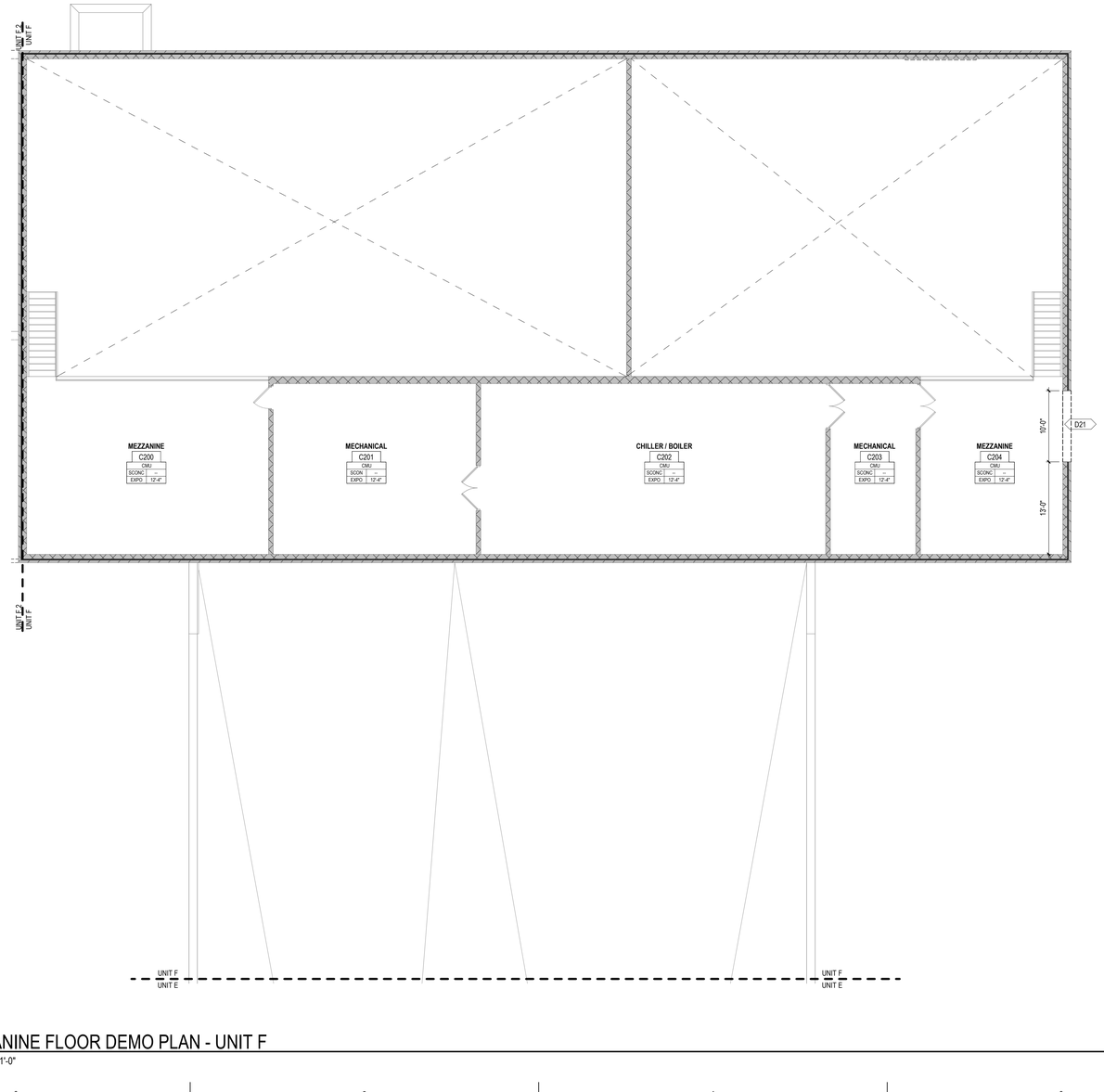

6A A0.2F MEZZANINE FLOOR DEMO PLAN - UNIT F

Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME
EX. RM #
CMU+ — EXISTING WALL MATERIAL
EXISTING FLOOR FINISH — CPT+ | RB — EXISTING WALL BASE TYPE
EXISTING CEILING TYPE — APC | 9'-0" — EXISTING CEILING HEIGHT

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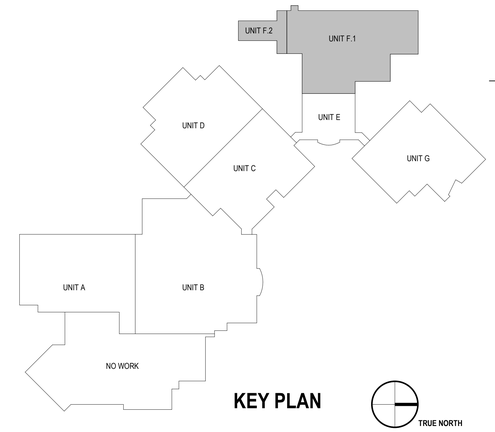
KEYNOTE LEGEND

D21	REMOVE PORTION OF WALL FOR NEW DOOR OR OPENING LOCATION.



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CONSTRUCTION DOCUMENTS
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Project Number:
3705

Sheet Title:
UNIT F - MEZZANINE FLOOR DEMO PLAN

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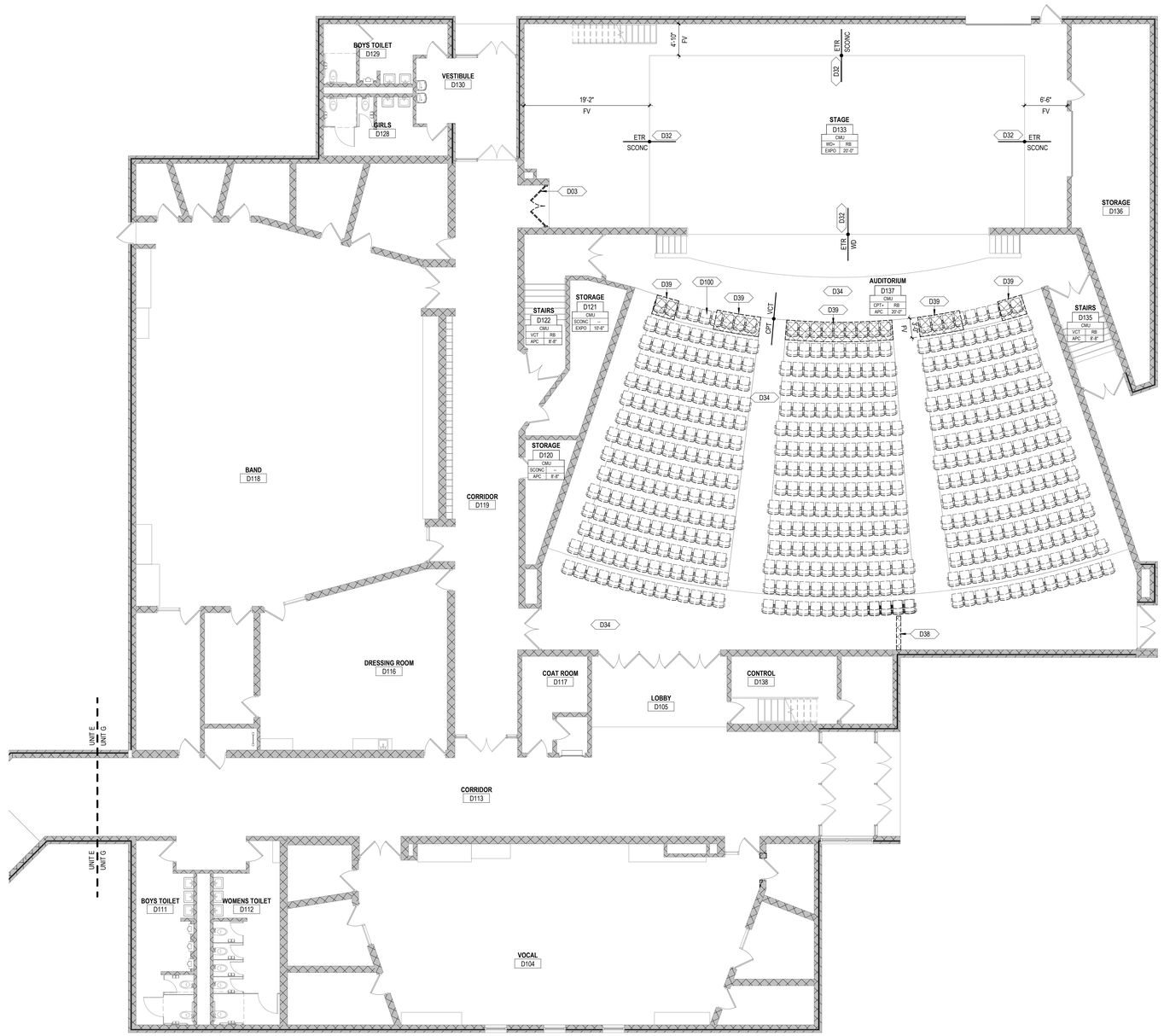

4A / A0.1G FIRST FLOOR DEMO PLAN - UNIT G

Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

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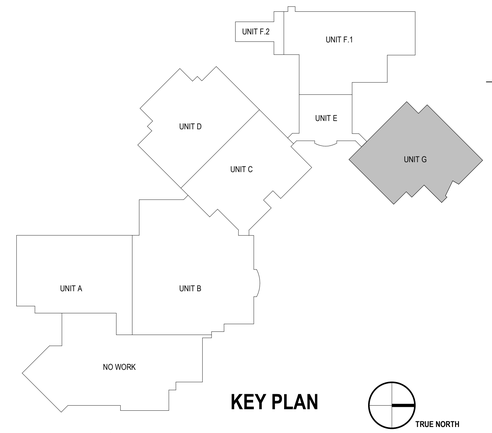
KEYNOTE LEGEND

D03	REMOVE DOOR, DOOR HARDWARE, AND DOOR FRAME.
D32	REMOVE PORTION OF STAGE FLOOR. PREP TO RECEIVE NEW FLOORING
D34	REMOVE FLOOR FINISH AND WALL BASE. REMOVE ANY ADHESIVE AND PREP FOR NEW FINISH.
D38	REMOVE AND REPLACE PORTION OF EXISTING CONCRETE SLAB FOR NEW MEP. SEE MEP DRAWINGS FOR EXTENTS OF REMOVAL REQUIRED.
D39	REMOVE PORTION OF SLOPED FLOOR. PREP TO RECEIVE NEW FINISHES.
D100	REMOVE THEATER SEATING AND ASSOCIATED HARDWARE, SALVAGE AND RETURN TO OWNER. PATCH FLOOR TO RECEIVE NEW FINISHES.



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CONSTRUCTION DOCUMENTS
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Project Number:
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UNIT G - FIRST FLOOR DEMO PLAN

Sheet Number:
A0.1G

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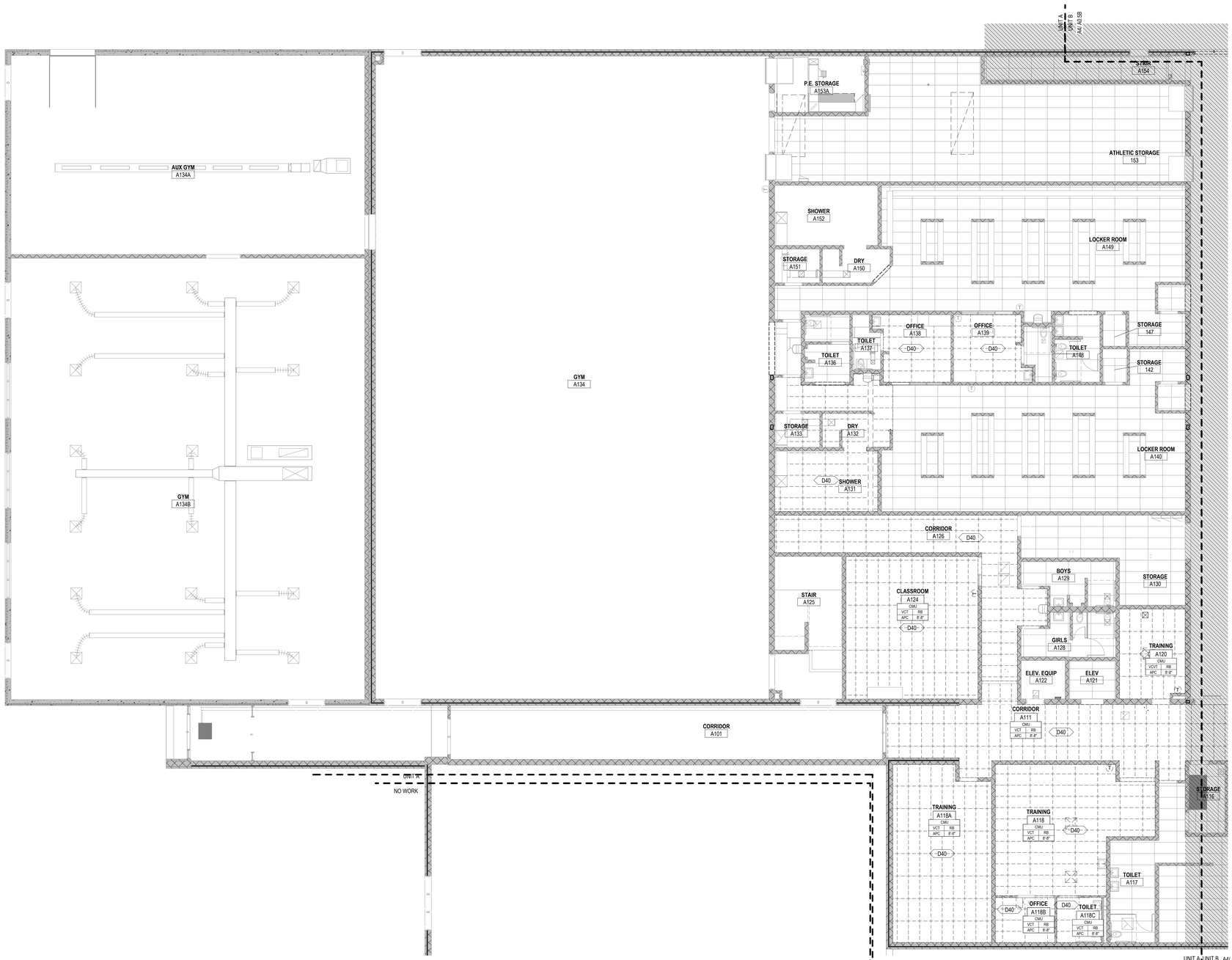

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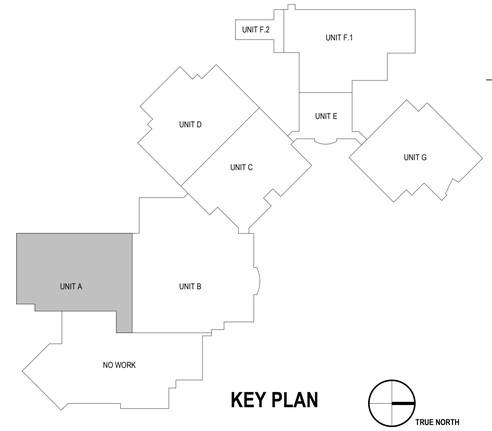
KEYNOTE LEGEND

D40	REMOVE ACOUSTICAL CEILING TILES, GRID AND ALL ASSOCIATED SUPPORTS.



KEY PLAN

TRUE NORTH

6A / A0.5A UNIT A - FIRST FLOOR RCP - DEMO
Scale: 1/8" = 1'-0"

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12/19/2025

Project Number:
3705

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UNIT A - FIRST FLOOR DEMO RCP

Sheet Number:
A0.5A

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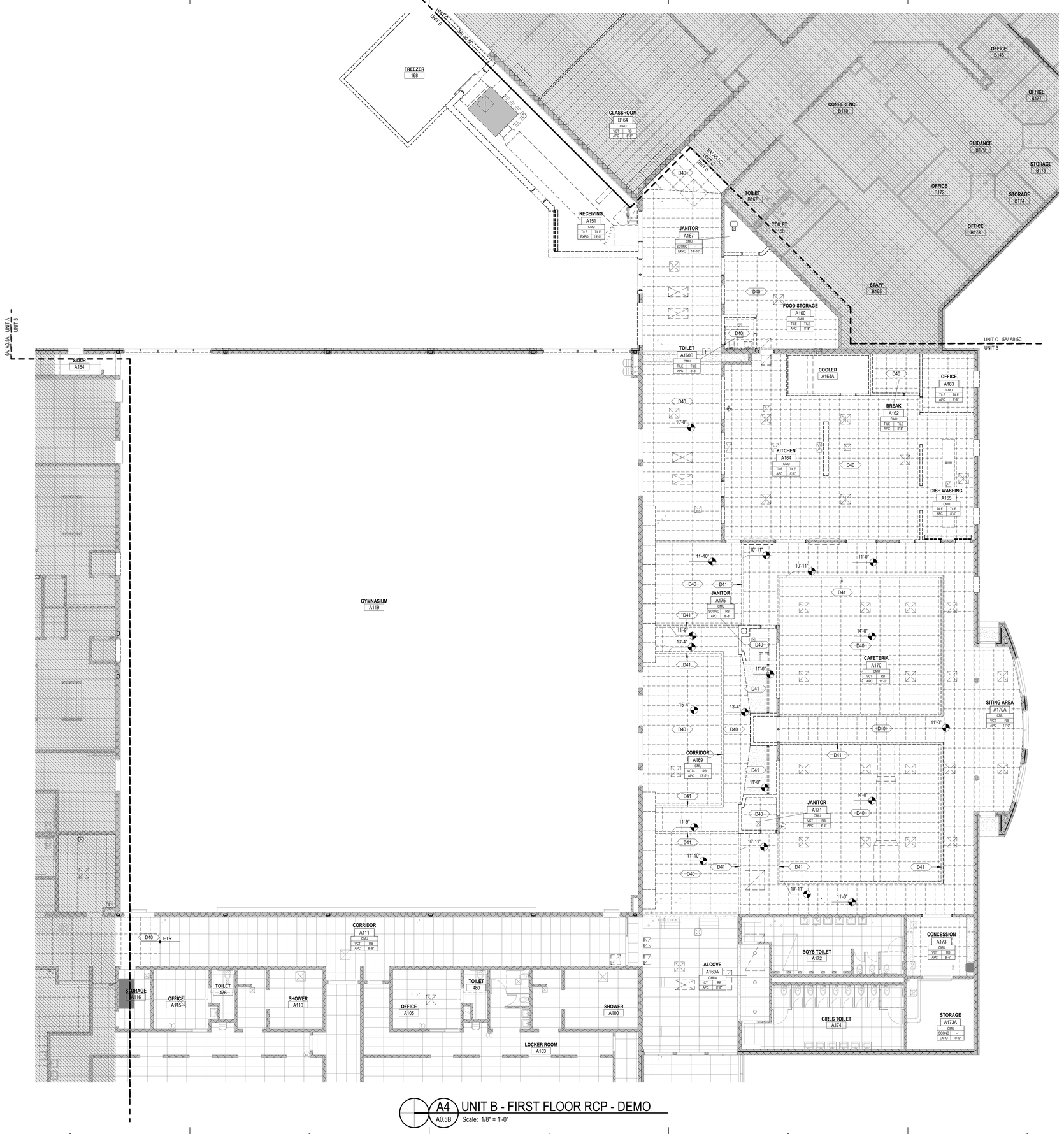

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6. SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
7. SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.
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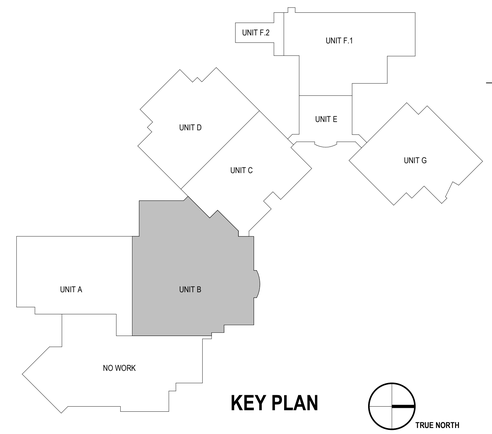
KEYNOTE LEGEND

D40	REMOVE ACOUSTICAL CEILING TILES, GRID AND ALL ASSOCIATED SUPPORTS.
D41	REMOVE GYPSUM BOARD CEILING/BULKHEAD/SOFFIT AND ALL ASSOCIATED STRUCTURE/SUPPORT.



KEY PLAN

TRUE NORTH

A4 / A0.5B — UNIT B - FIRST FLOOR RCP - DEMO
Scale: 1/8" = 1'-0"

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WHITEWATER UNIFIED SCHOOL DISTRICT
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WHITEWATER, WI 53190

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12/19/2025

Project Number:
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Sheet Title:
UNIT B - FIRST FLOOR DEMO RCP

Sheet Number:
A0.5B

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GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME
EX. RM #
CMU+ — EXISTING WALL MATERIAL
EXISTING FLOOR FINISH — CPT+ | RB — EXISTING WALL BASE TYPE
EXISTING CEILING TYPE — APC | 9'-0" — EXISTING CEILING HEIGHT

+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM.
SEE DEMOLITION PLANS FOR LOCATIONS OF ADDITIONAL FINISHES.

SLAB/FLOOR REMOVAL
COORDINATED WITH MEP DRAWINGS

1. OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
2. REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE FINISH PLANS & INTERIOR FINISH LEGEND FOR FINISHES.
3. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
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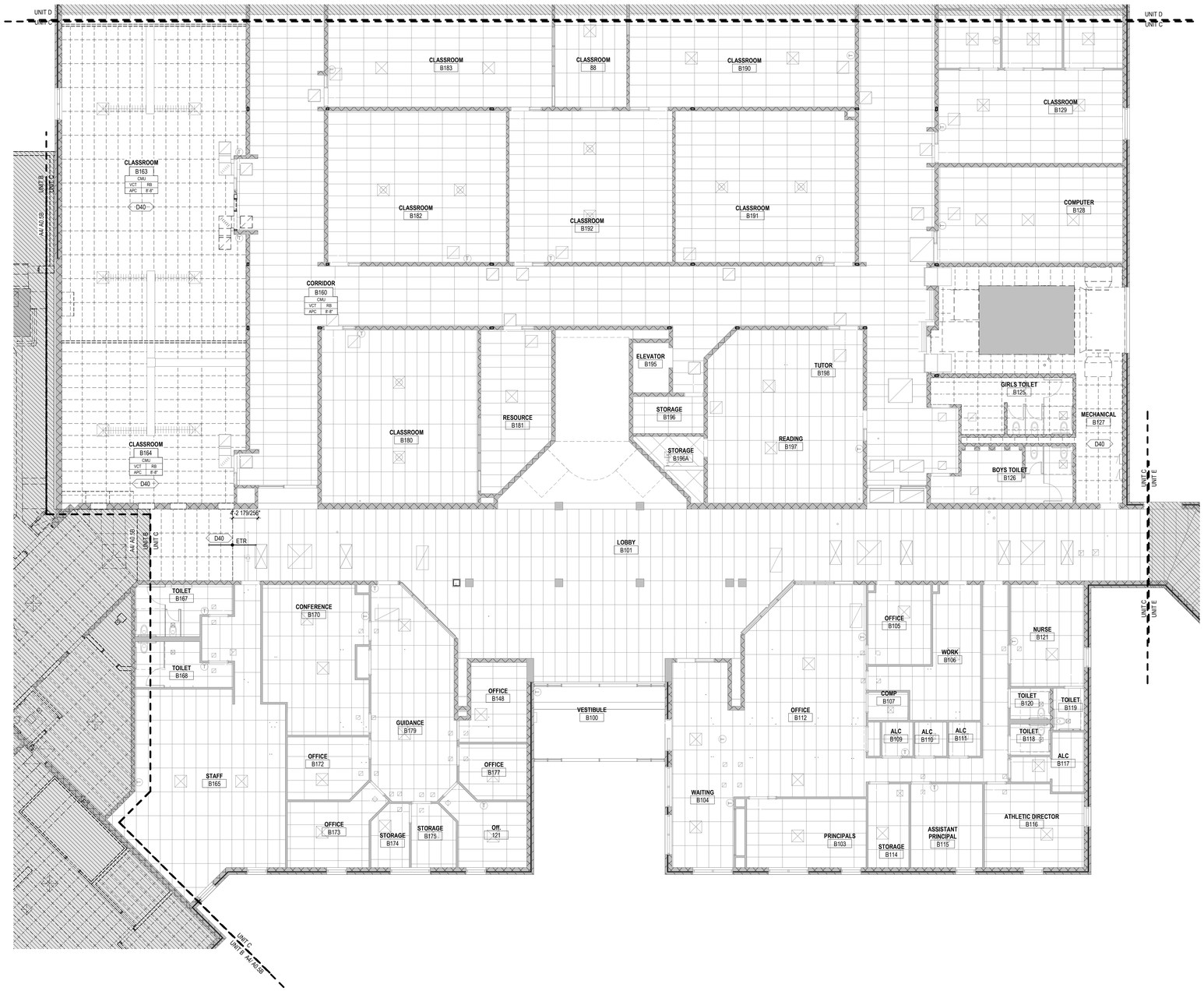
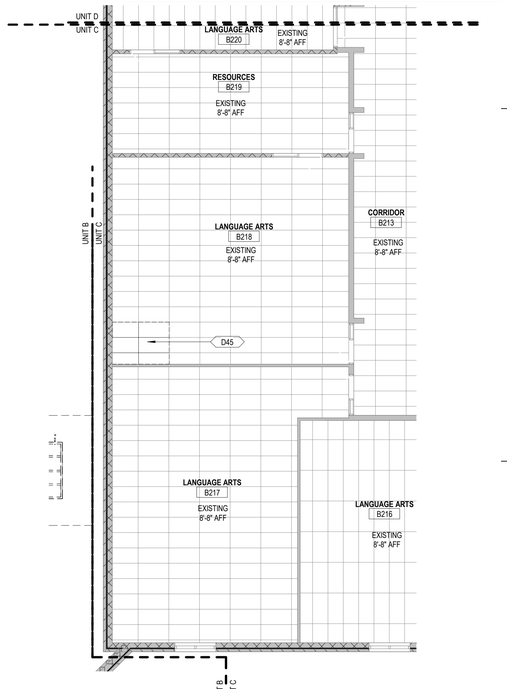
KEYNOTE LEGEND

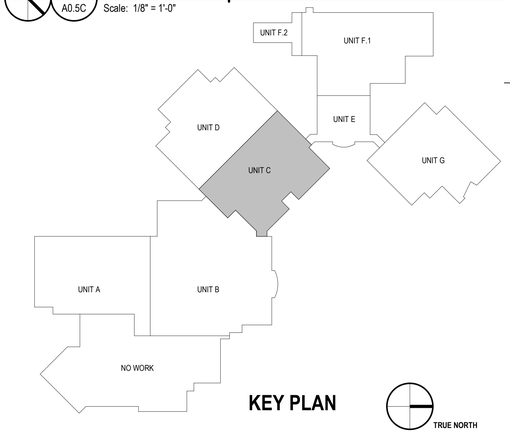
D40	REMOVE ACOUSTICAL CEILING TILES, GRID AND ALL ASSOCIATED SUPPORTS.
D45	REMOVE CEILING TILE AND CEILING GRID TO NEAREST GRIDLINE TO PERFORM WORK



5A A0.5C UNIT C - FIRST FLOOR RCP - DEMO
Scale: 1/8" = 1'-0"



1B A0.5C UNIT G - PARTIAL SECOND FLOOR RCP - DEMO
Scale: 1/8" = 1'-0"



KEY PLAN

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
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UNIT C - FIRST FLOOR DEMO RCP

Sheet Number:
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GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME
EX. RM #
CMU+ — EXISTING WALL MATERIAL
EXISTING FLOOR FINISH — CPT+ | RB — EXISTING WALL BASE TYPE
EXISTING CEILING TYPE — APC | 9'-0" — EXISTING CEILING HEIGHT

+ SYMBOL INDICATES MORE THAN ONE TYPE OF EXISTING FINISH IN ROOM.
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COORDINATED WITH MEP DRAWINGS

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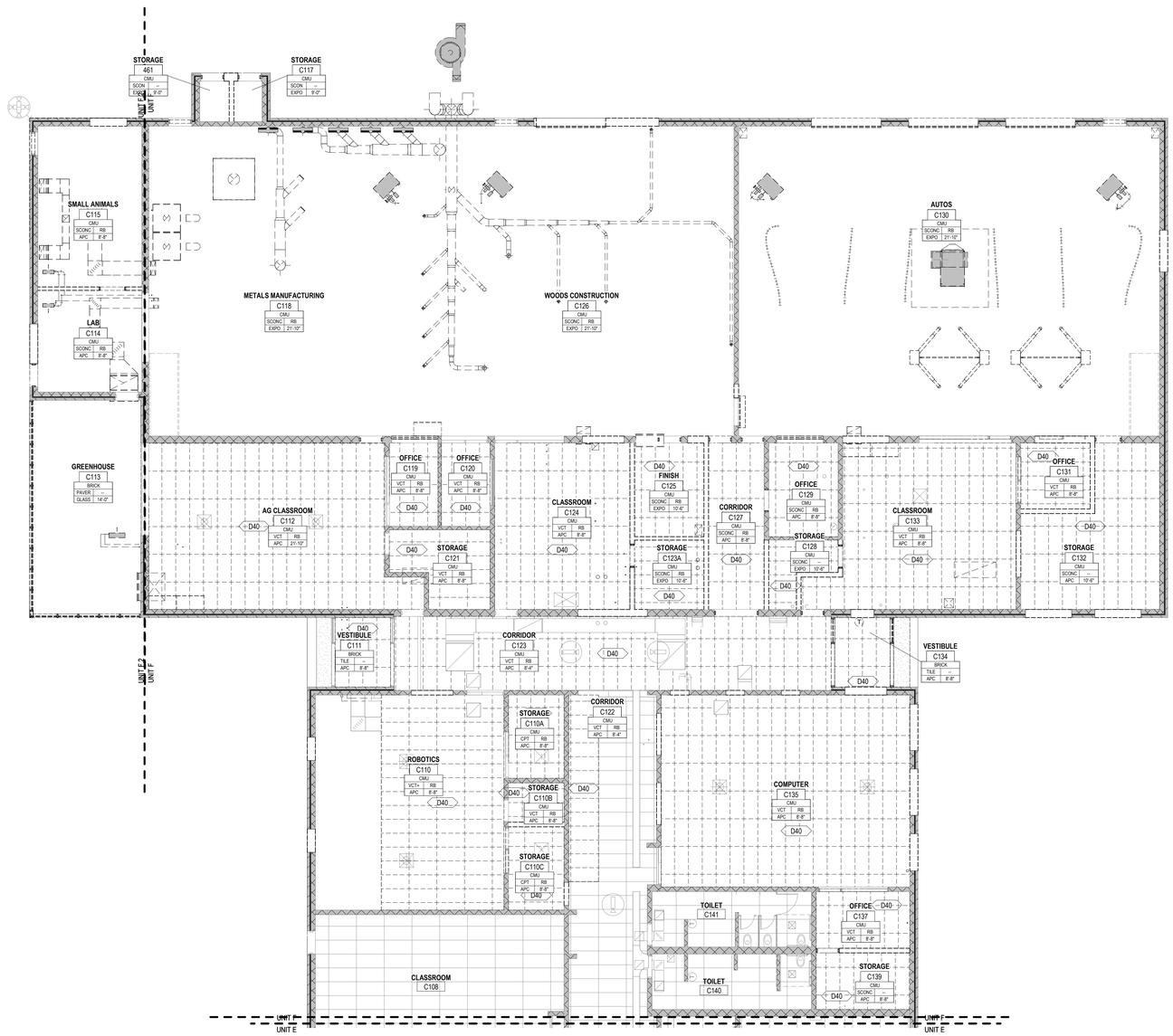
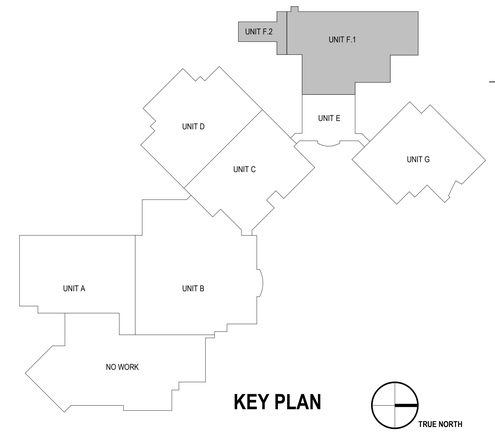
KEYNOTE LEGEND

D40	REMOVE ACOUSTICAL CEILING TILES, GRID AND ALL ASSOCIATED SUPPORTS.



4A / A0.5F — UNIT F - FIRST FLOOR RCP - DEMO
Scale: 1/8" = 1'-0"



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CONSTRUCTION DOCUMENTS
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UNIT F - FIRST FLOOR DEMO RCP

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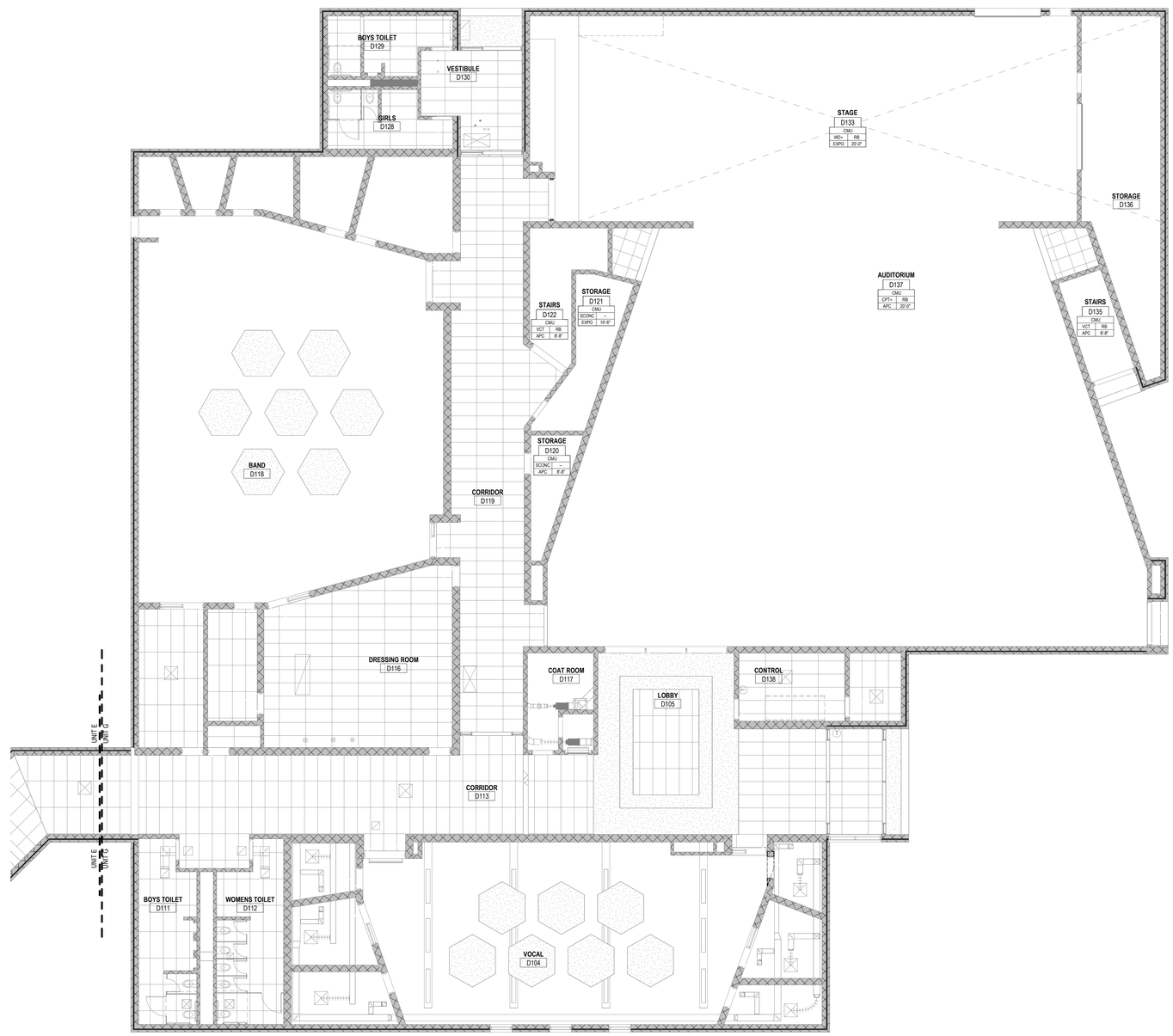
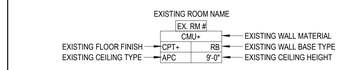


4A / A0.5G UNIT G - FIRST FLOOR RCP - DEMO

Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:



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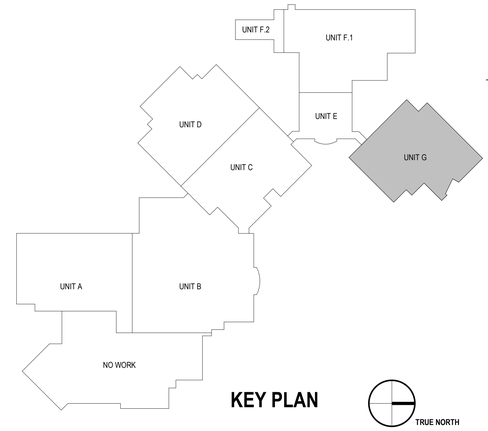
KEYNOTE LEGEND



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UNIT G - FIRST FLOOR DEMO RCP

Sheet Number:
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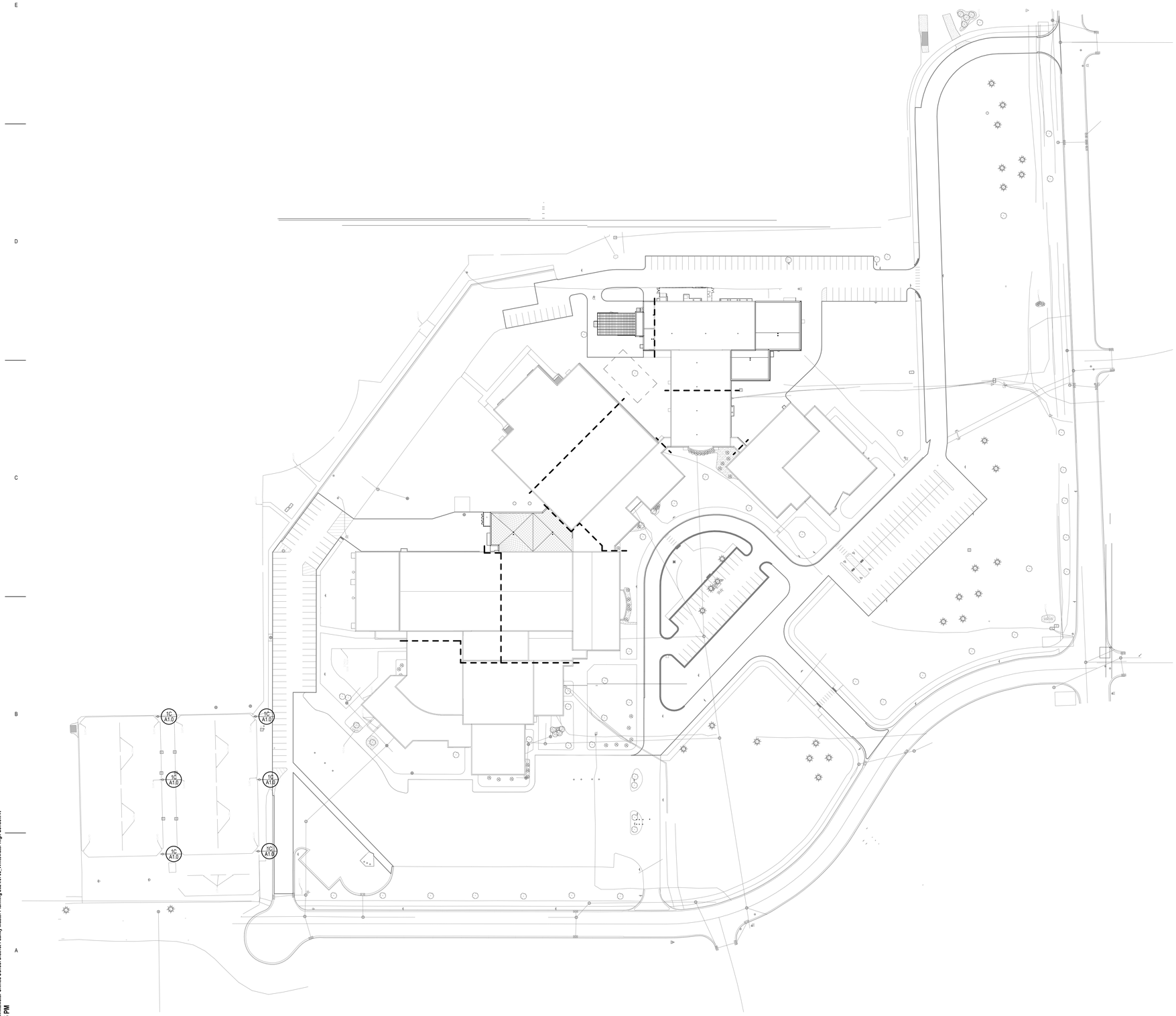
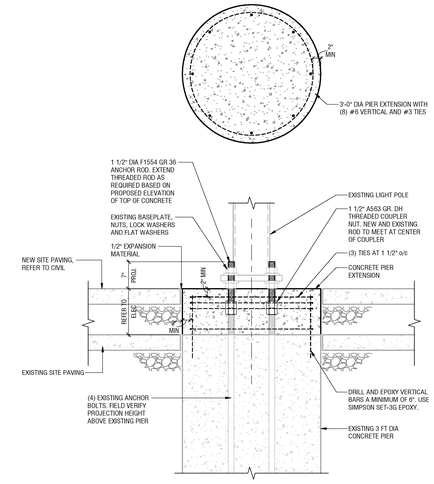
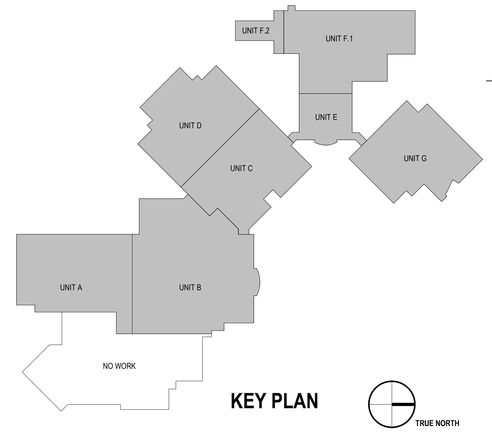


6A A1.0 ARCHITECTURAL SITE PLAN
Scale: 1" = 60'-0"



1C A1.0 STRUCTURAL - CONCRETE PIER EXTENSION
Scale: 3/4" = 1'-0"



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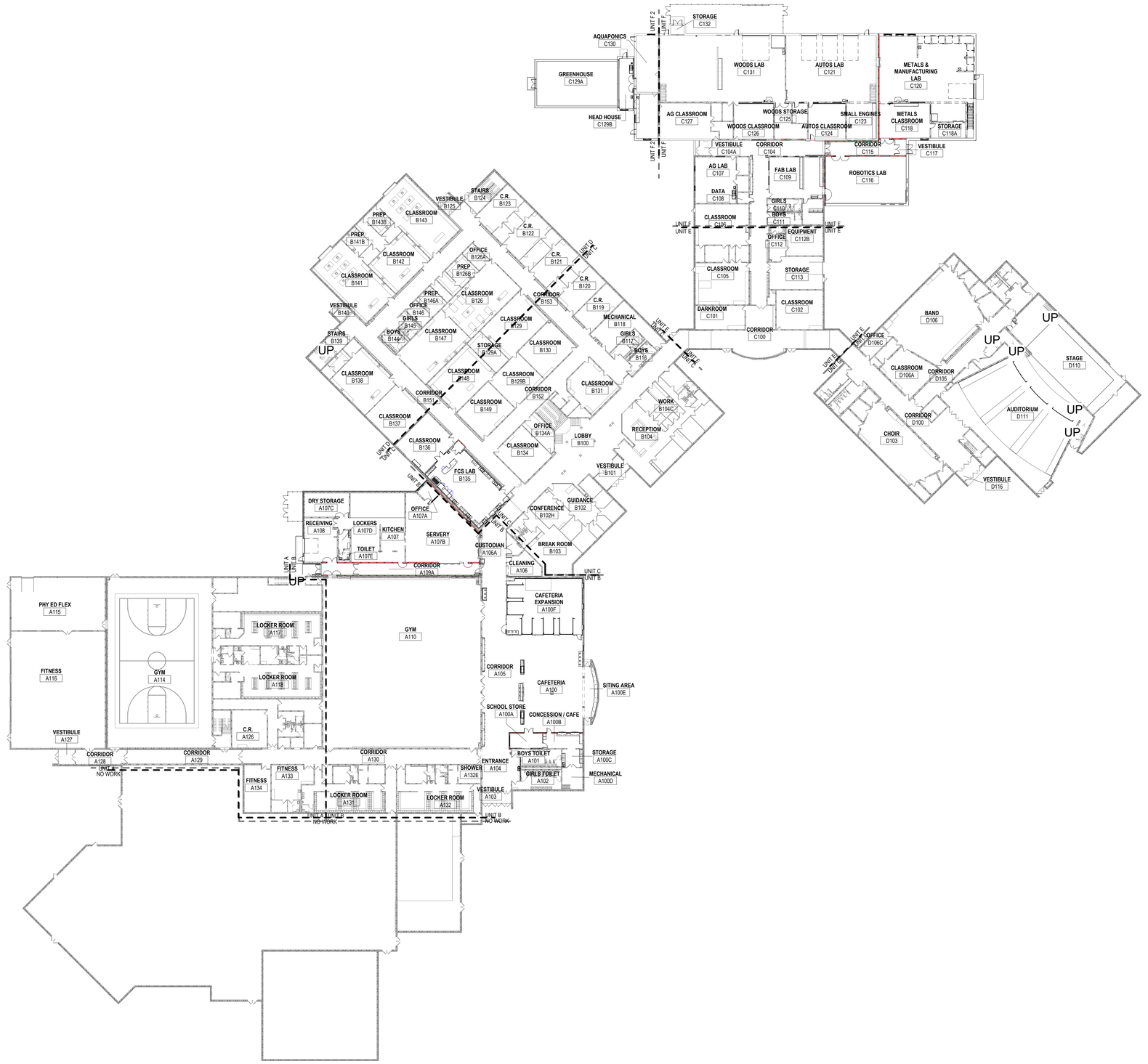


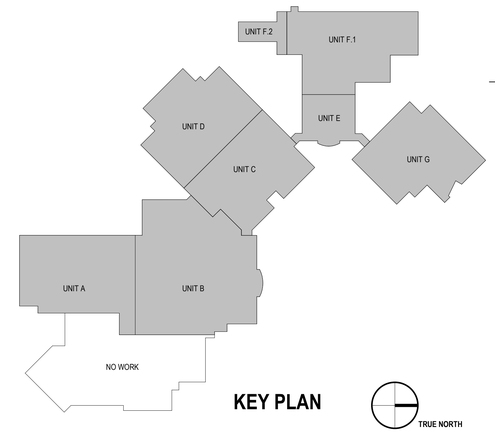
5A A1.1 FIRST FLOOR PLAN - OVERALL

Scale: 1" = 30'-0"

GENERAL NOTES

1. DO NOT SCALE FROM DRAWINGS.
2. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
3. REFER TO SHEET AG1.1 FOR WALL TYPES. REFER TO SHEET G0.1 FOR RATED WALL LOCATIONS.
4. REFER TO SHEET AG1.0 FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEETS FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
5. REFER TO SHEET A9.0 FOR FLOOR TRANSITION DETAILS.
6. REFER TO SHEET A9.0 FOR TYPICAL FLOOR/BASE CONDITIONS.
7. DIMENSIONS FOR INTERIOR STUD WALLS ARE TO FACE OF WALL. EXTERIOR STUD WALLS ARE DIMENSIONED TO INTERIOR FACE OF STUDS. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
8. IDENTIFY ALL RATED WALLS AND PARTITIONS WITH PAINTED LETTERING THAT READS "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" ABOVE CEILINGS. LETTERING TO BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30'-0" O.C. HORIZONTALLY, BOTH SIDES OF WALL. LETTERING TO BE NOT LESS THAN 3" IN HEIGHT WITH A 3/8" MINIMUM STROKE IN A CONTRASTING COLOR. SEE SHEET G0.1 PLANS FOR LOCATION OF RATED WALLS.
9. REFER TO STRUCTURAL DRAWINGS FOR FIREPROOFING LOCATIONS. PROVIDE INTUMESCENT PAINT AT EXPOSED STEEL COLUMNS AND AT THE BOTTOM FLANGE OF STEEL LINTELS. PROVIDE SPRAYED FIRE-RESISTIVE MATERIAL AT STEEL BEAMS, ROOF DECK AND ROOF JOISTS UNLESS NOTED OTHERWISE.
10. REFER TO REFLECTED CEILING PLANS & CLERESTORY PLANS FOR LOCATION OF ALL WINDOW TREATMENTS.
11. REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

KEYNOTE LEGEND



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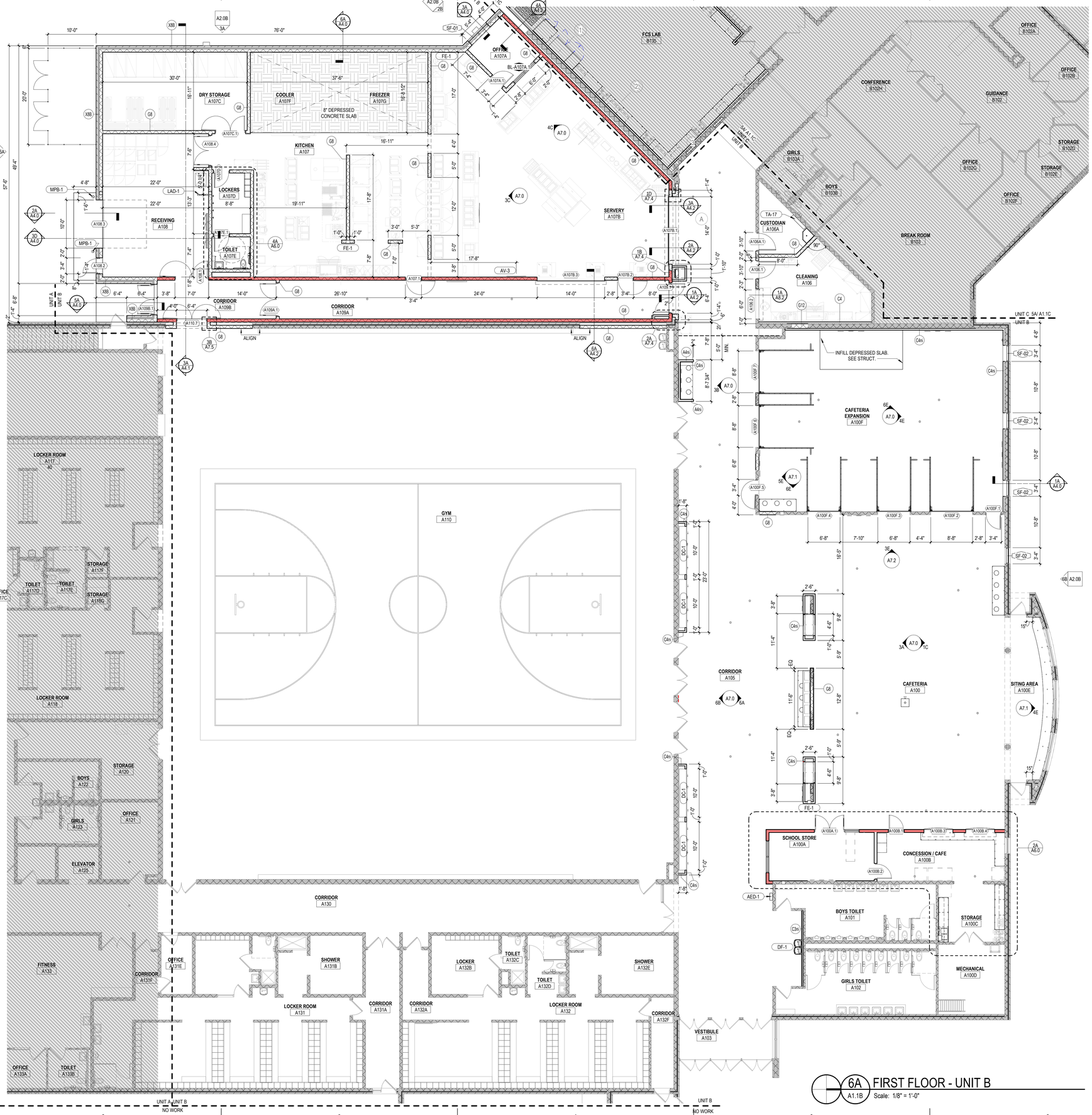
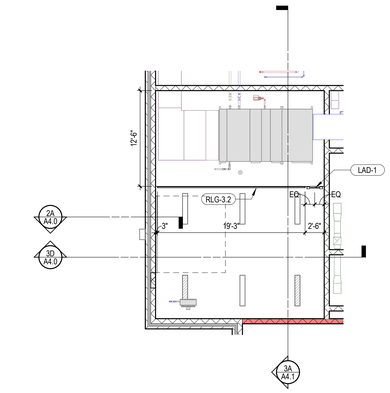
KEYNOTE LEGEND

AED-1	AUTOMATIC EXTERNAL DEFIBRILLATOR, CABINET, AND SIGN
AV-3	55" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
DC-1	DISPLAY CASE - RECESSED
DF-1	ELECTRIC WATER COOLER - SEE PLUMBING
FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET
LAD-1	STEEL LADDER (INTERIOR ACCESS)
MPB-1	METAL (PIPE) BOLLARD - PT-7
RLG-3.2	PIPE AND TUBE GUARDRAIL
TA-17	CUSTODIAL MOP AND BROOM HOLDER



6A FIRST FLOOR - UNIT B
A1.1B Scale: 1/8" = 1'-0"



1C UNIT B - PLATFORM
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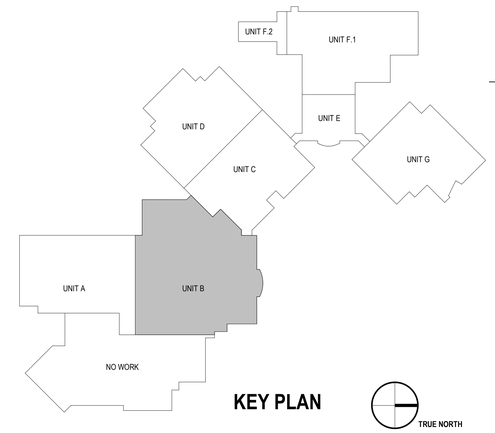

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WHITEWATER, WI 53190

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CONSTRUCTION DOCUMENTS
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UNIT B - FIRST FLOOR PLAN

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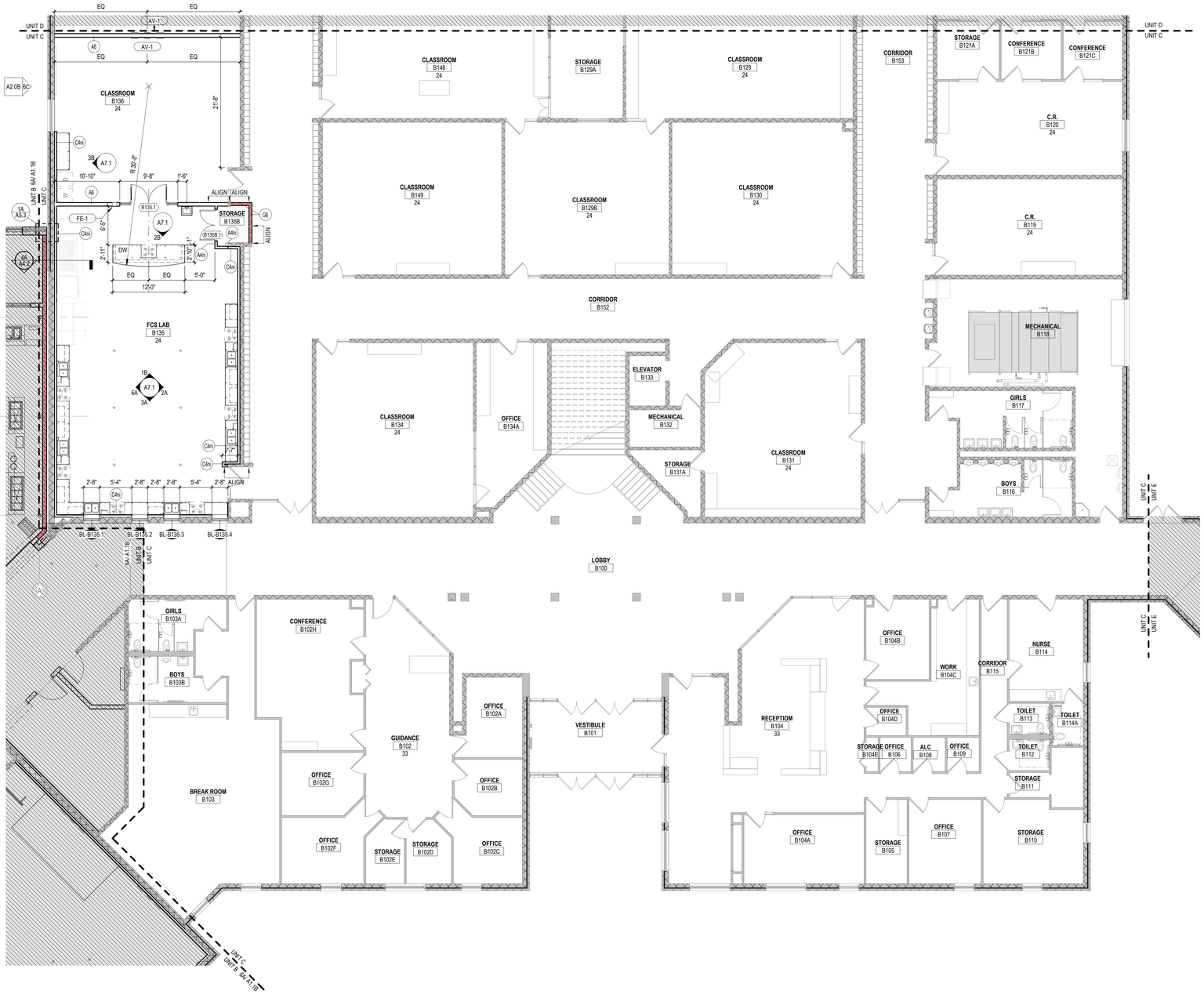
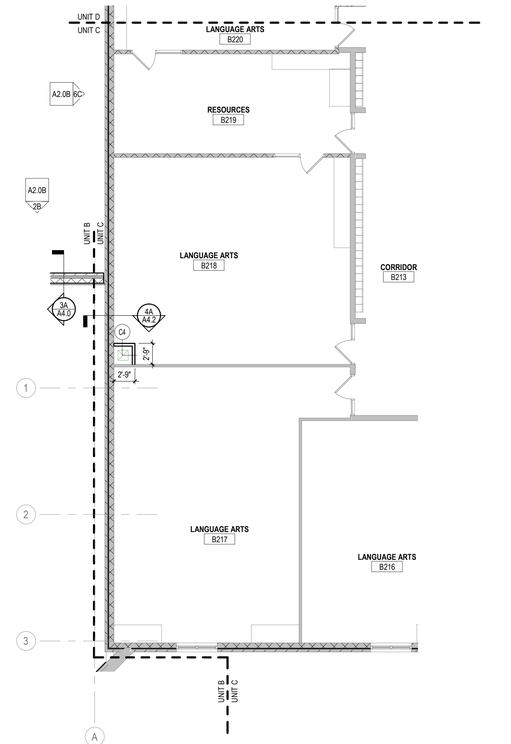
KEYNOTE LEGEND

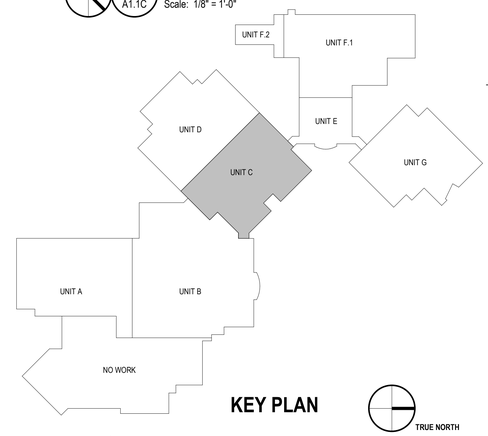
AV-1	75" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET



5A A1.1C FIRST FLOOR - UNIT C
Scale: 1/8" = 1'-0"



1B A1.1C SECOND FLOOR - PARTIAL UNIT C
Scale: 1/8" = 1'-0"



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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT C - FIRST FLOOR PLAN

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A1.1C

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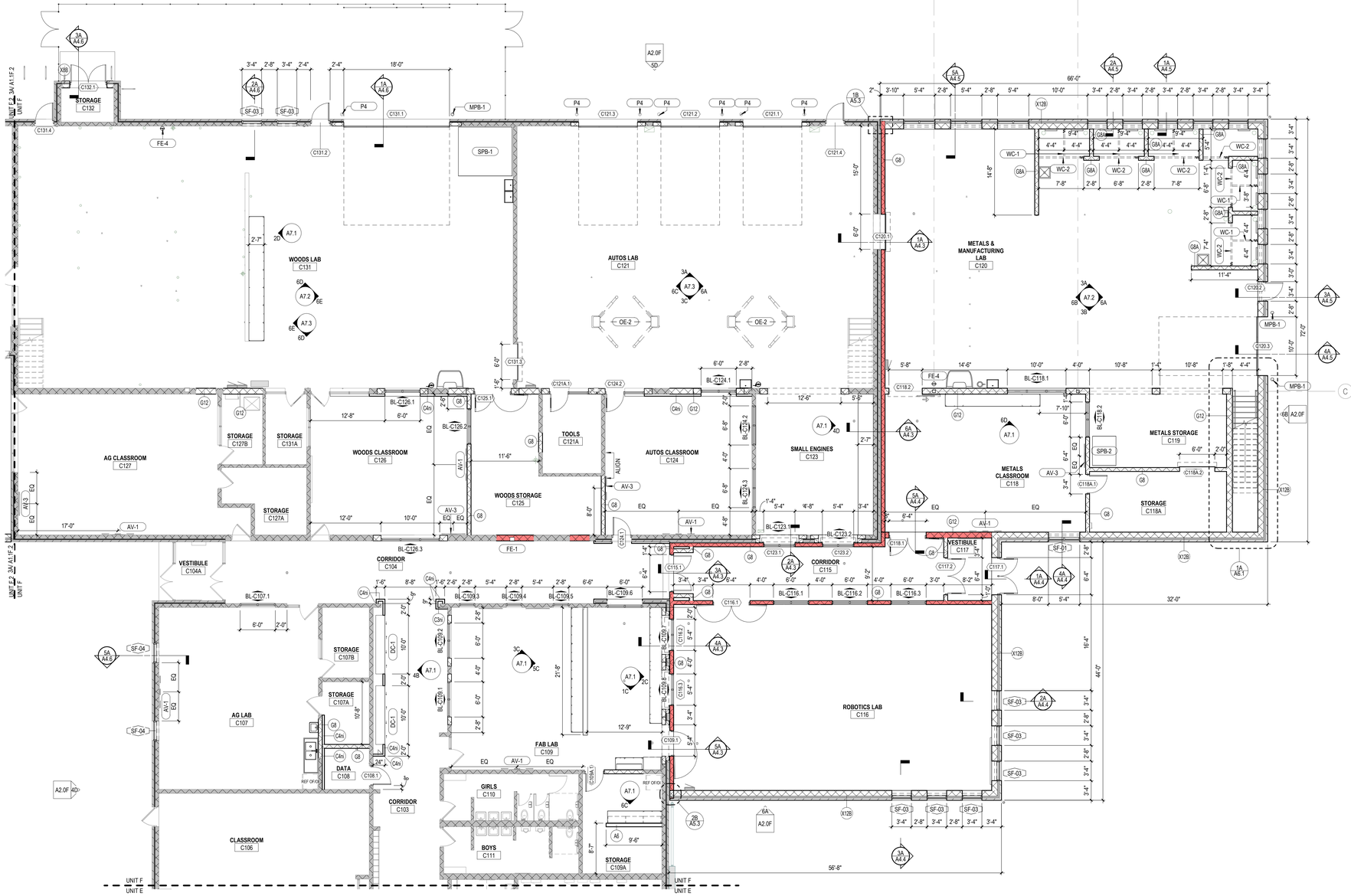
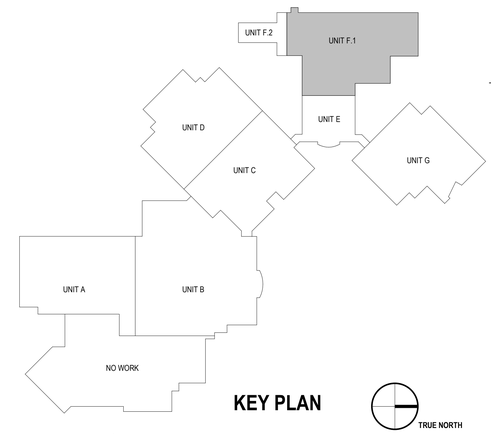
KEYNOTE LEGEND

AV-1	75" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-3	55" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
DC-1	DISPLAY CASE - RECESSED
FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET
FE-4	FIRE EXTINGUISHER AND BRACKET
MPB-1	METAL (PIPE) BOLLARD - PT-7
OE-2	EXISTING CAR LIFT - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
P4	EXISTING BOLLARD. PATCH AND PAINT TO MATCH NEW - PT-7
SPB-1	SPRAY BOOTH - WALK-IN
SPB-2	SPRAY BOOTH - BENCH
WC-1	WELDING CURTAIN
WC-2	WELDING STRIP CURTAIN



5A FIRST FLOOR - UNIT F.1
A1.1F.1 Scale: 1/8" = 1'-0"



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12/19/2025

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3705

Sheet Title:
UNIT F - FIRST FLOOR PLAN

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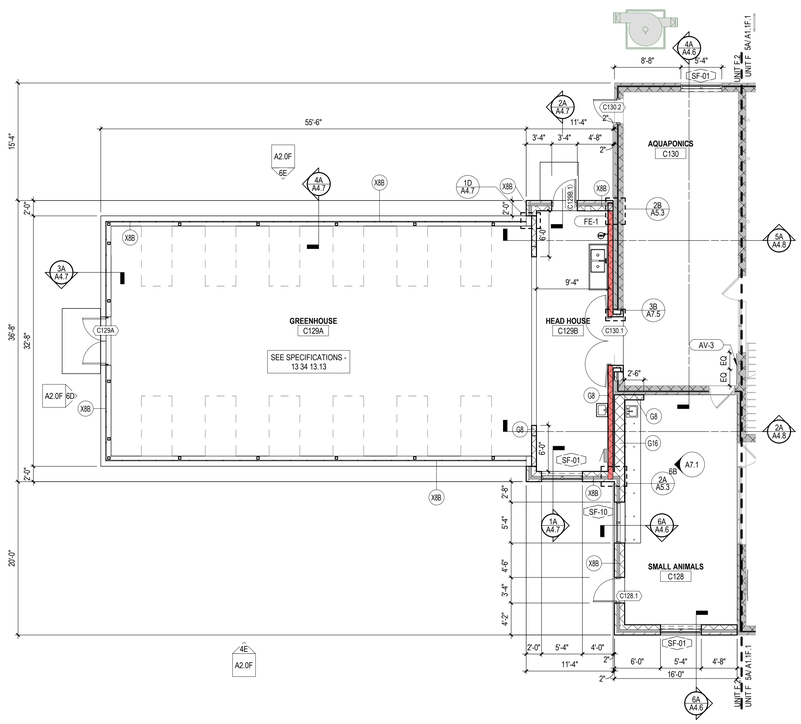
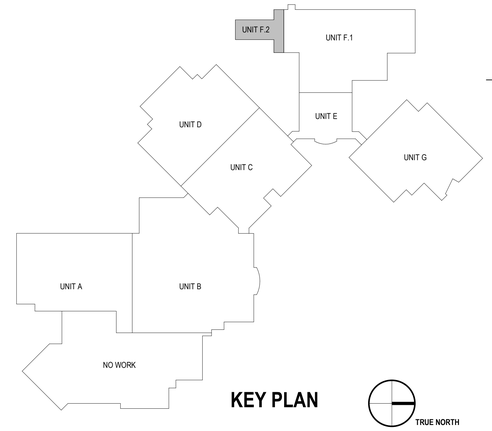
KEYNOTE LEGEND

AV-3	55" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET



3A A1.1F.2 FIRST FLOOR - UNIT F.2

Scale: 1/8" = 1'-0"



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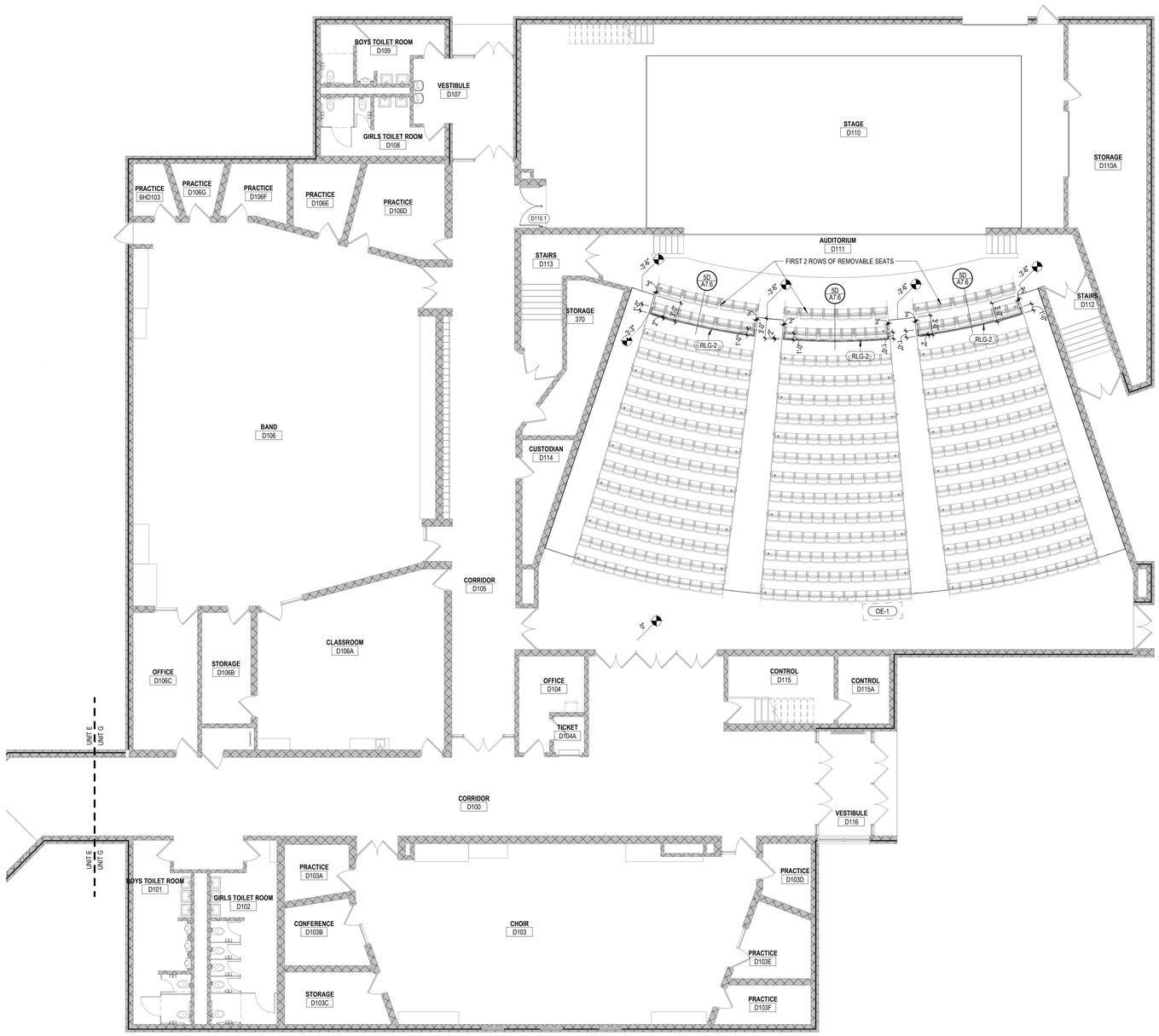
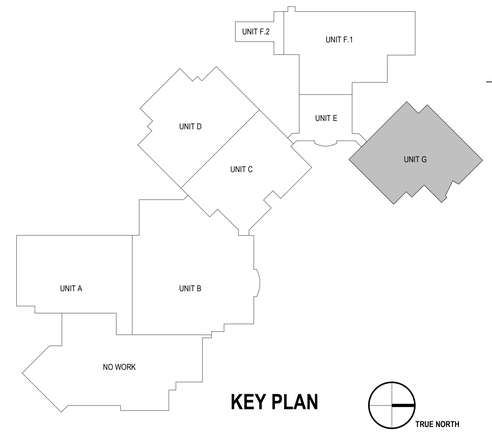
KEYNOTE LEGEND

OE-1	SOUND PORCH FURNITURE - FURNISHED AND INSTALLED BY OWNER
RLG-2	PIPE AND TUBE METAL HANDRAIL - AUDITORIUM



4A / A1.1G FIRST FLOOR - UNIT G

Scale: 1/8" = 1'-0"



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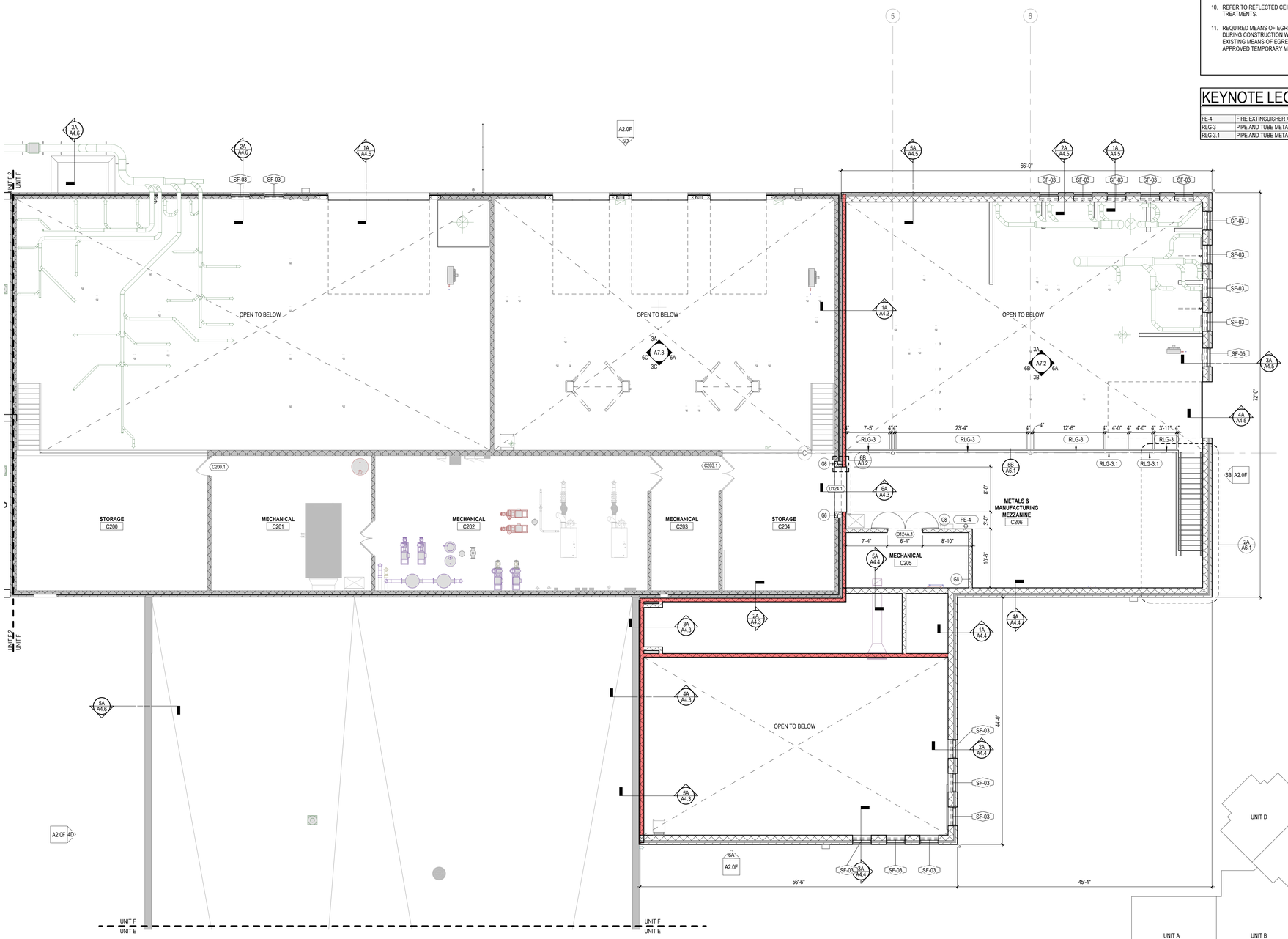
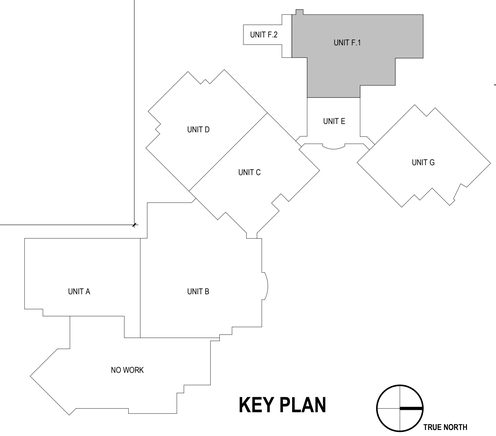
KEYNOTE LEGEND

FE-4	FIRE EXTINGUISHER AND BRACKET
RLG-3	PIPE AND TUBE METAL HANDRAIL - MEZZANINE
RLG-3.1	PIPE AND TUBE METAL HANDRAIL - MEZZANINE - REMOVABLE



6A MEZZANINE FLOOR PLAN - UNIT F.1
A1.2F.1 Scale: 1/8" = 1'-0"



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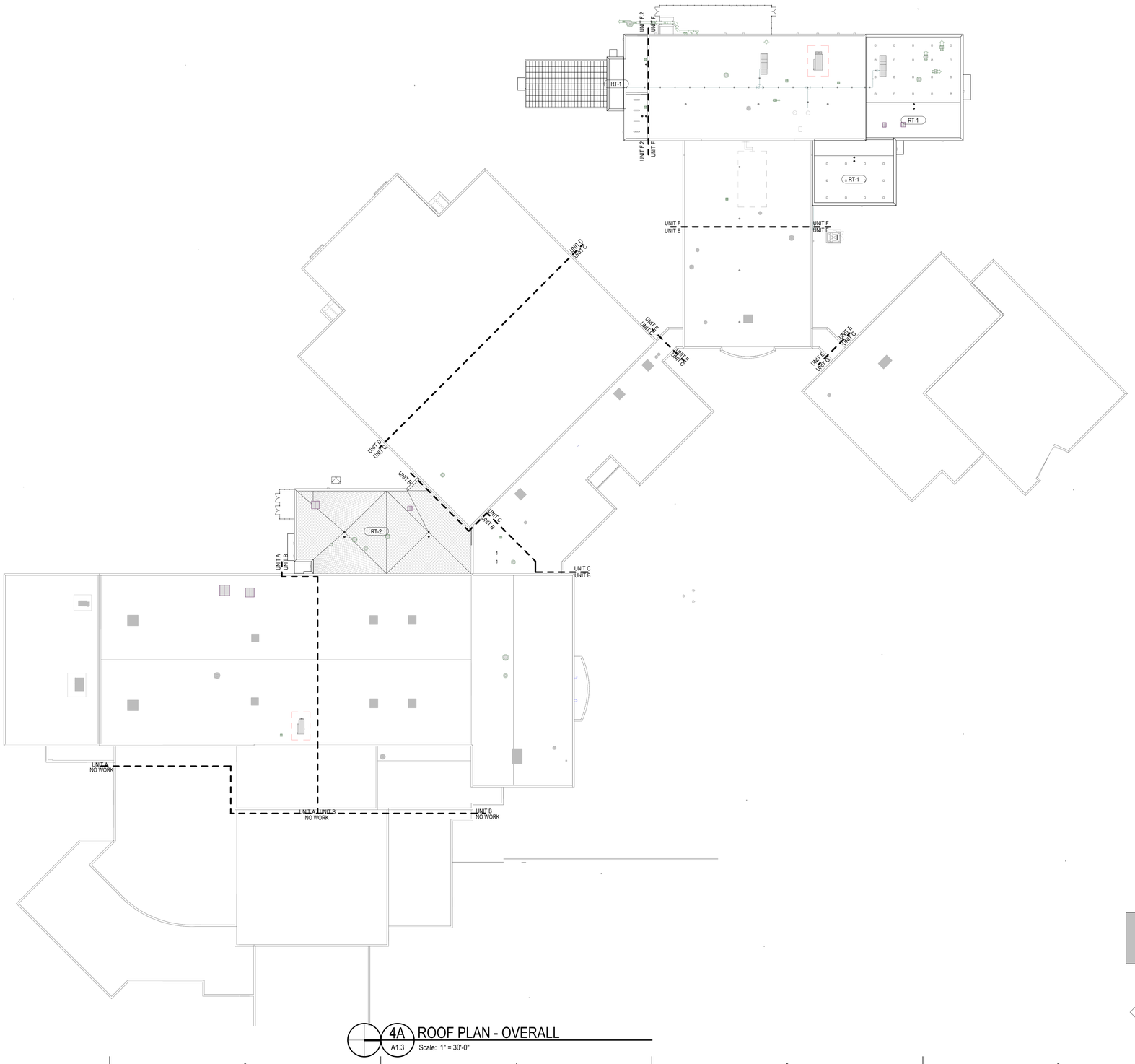


4A ROOF PLAN - OVERALL
A1.3 Scale: 1" = 30'-0"

ROOF PLAN LEGEND & NOTES

ROOF TYPE 1 (RT-1): TECH ED ADDITION / GREENHOUSE ADDITION

- EPDM SHEET
- 5" INSULATION DEPTH (MINIMUM) WITH A MINIMUM OF 2 LAYERS; STAGGER JOINTS; TAPERED INSULATION AS SHOWN ON PLAN
- THERMAL BARRIER
- SLOPED STRUCTURE WITH ACOUSTICAL METAL ROOF DECK, SEE STRUCTURAL FOR SIZE & TYPE

ROOF TYPE 2 (RT-2): KITCHEN ADDITION

- EPDM SHEET
- TAPERED INSULATION, 1/4" PER FOOT MINIMUM SLOPE, 5" DEPTH (MINIMUM) WITH A MINIMUM OF 2 LAYERS; STAGGER JOINTS
- FLAT STRUCTURE WITH METAL ROOF DECK, SEE STRUCTURAL FOR SIZE & TYPE

#" DENOTES APPROXIMATE THICKNESS OF TAPERED INSULATION

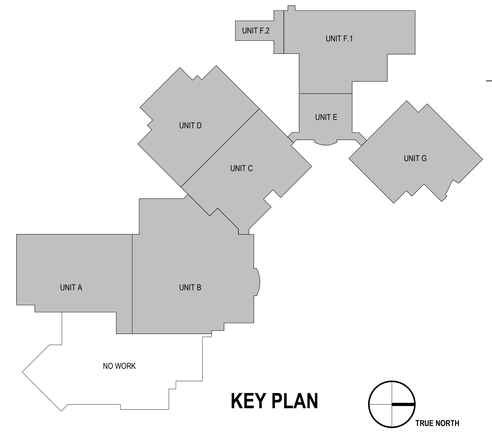
DENOTES ROOF CRICKETS;
MAINTAIN 1/2" PER FOOT SLOPE TO DRAINS

DENOTES TAPERED INSULATION;
MAINTAIN 1/4" PER FOOT SLOPE TO DRAINS

1. ALL ROOF SLOPES TO BE MINIMUM 1/4" PER FOOT UNLESS NOTED OTHERWISE.
2. ALL ROOF TOP CURBS TO BE SADDLED WITH MINIMUM 1/2" PER FOOT PITCH.
3. NOT ALL ROOF PENETRATIONS ARE SHOWN. VERIFY PENETRATIONS WITH ALL BUILDING TRADES.
4. SEE HVAC DRAWINGS FOR SIZES, QUANTITIES, LOCATIONS AND TYPES OF HVAC PENETRATIONS AND ROOF TOP MOUNTED EQUIPMENT.
5. SEE DETAIL1C/ A5.2 FOR VENT PIPE FLASHING DETAIL. VERIFY ALL LOCATIONS AND QUANTITIES W/ PLUMBING CONTRACTOR.
6. SEE DETAIL 1D/ A5.2FOR CURB FLASHING DETAIL.
7. SEE DETAIL 2C/ A5.2 FOR TYPICAL ROOF DRAIN DETAIL.
8. SEE DETAIL 2D/ A5.2 FOR TYPICAL ROOF SADDLES.
9. SEE DETAIL -/ --- FOR ROOF LADDER.

KEYNOTE LEGEND

RT-1	ROOF TYPE 1
RT-2	ROOF TYPE 2



KEY PLAN

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WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL ROOF PLAN

Sheet Number:
A1.3

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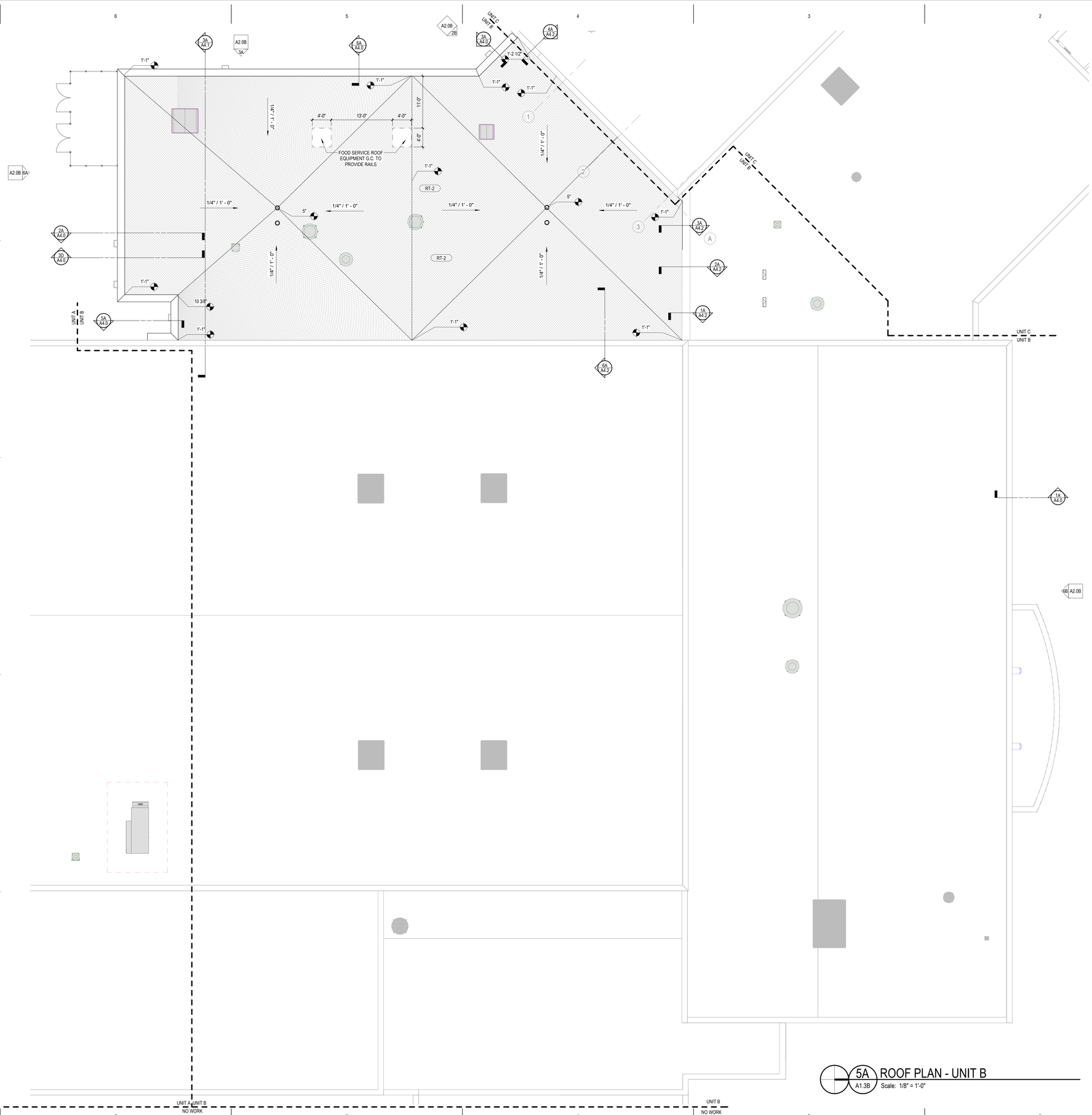

ROOF PLAN LEGEND & NOTES

ROOF TYPE 1 (RT-1): TECH ED ADDITION / GREENHOUSE ADDITION

- EPDM SHEET
- 5" INSULATION DEPTH (MINIMUM) WITH A MINIMUM OF 2 LAYERS; STAGGER JOINTS; TAPERED INSULATION AS SHOWN ON PLAN
- THERMAL BARRIER
- SLOPED STRUCTURE WITH ACOUSTICAL METAL ROOF DECK, SEE STRUCTURAL FOR SIZE & TYPE

ROOF TYPE 2 (RT-2): KITCHEN ADDITION

- EPDM SHEET
- TAPERED INSULATION, 1/4" PER FOOT MINIMUM SLOPE, 5" DEPTH (MINIMUM) WITH A MINIMUM OF 2 LAYERS; STAGGER JOINTS
- FLAT STRUCTURE WITH METAL ROOF DECK, SEE STRUCTURAL FOR SIZE & TYPE

#" DENOTES APPROXIMATE THICKNESS OF TAPERED INSULATION

DENOTES ROOF CRICKETS;
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DENOTES TAPERED INSULATION;
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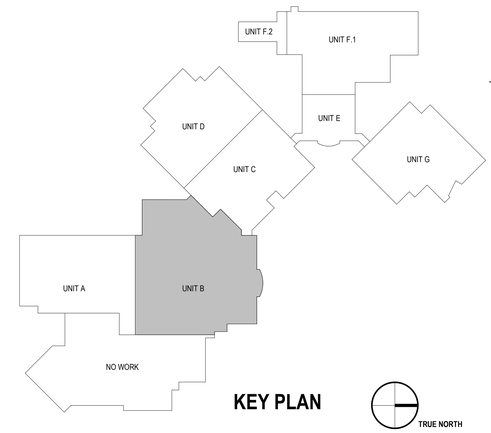
7. SEE DETAIL 2C/ A5.2 FOR TYPICAL ROOF DRAIN DETAIL.
8. SEE DETAIL 2D/ A5.2 FOR TYPICAL ROOF SADDLES.
9. SEE DETAIL -/ --- FOR ROOF LADDER.

KEYNOTE LEGEND

RT-2	ROOF TYPE 2

5A / A1.3B ROOF PLAN - UNIT B
Scale: 1/8" = 1'-0"



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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT B - ROOF PLAN

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KEYNOTE LEGEND

RT-1	ROOF TYPE 1

ROOF PLAN LEGEND & NOTES

ROOF TYPE 1 (RT-1): TECH ED ADDITION / GREENHOUSE ADDITION

- EPDM SHEET
- 5" INSULATION DEPTH (MINIMUM) WITH A MINIMUM OF 2 LAYERS; STAGGER JOINTS; TAPERED INSULATION AS SHOWN ON PLAN
- THERMAL BARRIER
- SLOPED STRUCTURE WITH ACOUSTICAL METAL ROOF DECK, SEE STRUCTURAL FOR SIZE & TYPE

ROOF TYPE 2 (RT-2): KITCHEN ADDITION

- EPDM SHEET
- TAPERED INSULATION, 1/4" PER FOOT MINIMUM SLOPE, 5" DEPTH (MINIMUM) WITH A MINIMUM OF 2 LAYERS; STAGGER JOINTS
- FLAT STRUCTURE WITH METAL ROOF DECK, SEE STRUCTURAL FOR SIZE & TYPE

#" DENOTES APPROXIMATE THICKNESS OF TAPERED INSULATION

DENOTES ROOF CRICKETS;
MAINTAIN 1/2" PER FOOT SLOPE TO DRAINS

DENOTES TAPERED INSULATION;
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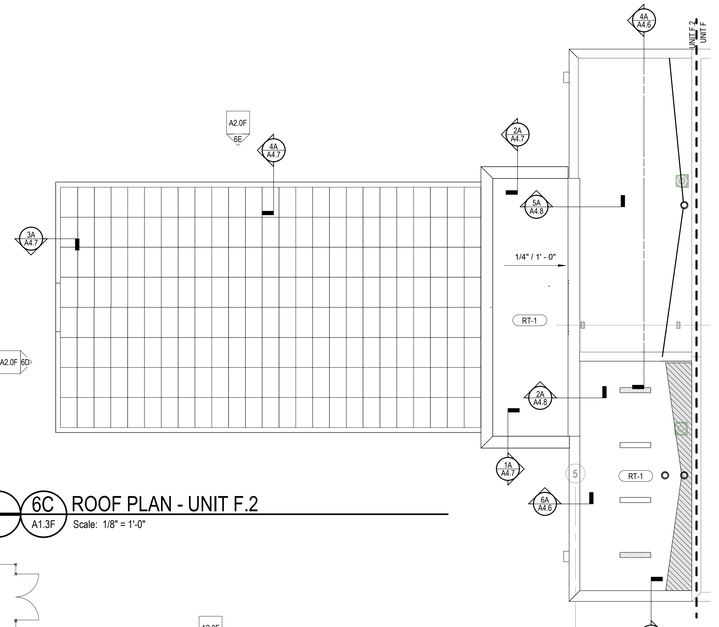
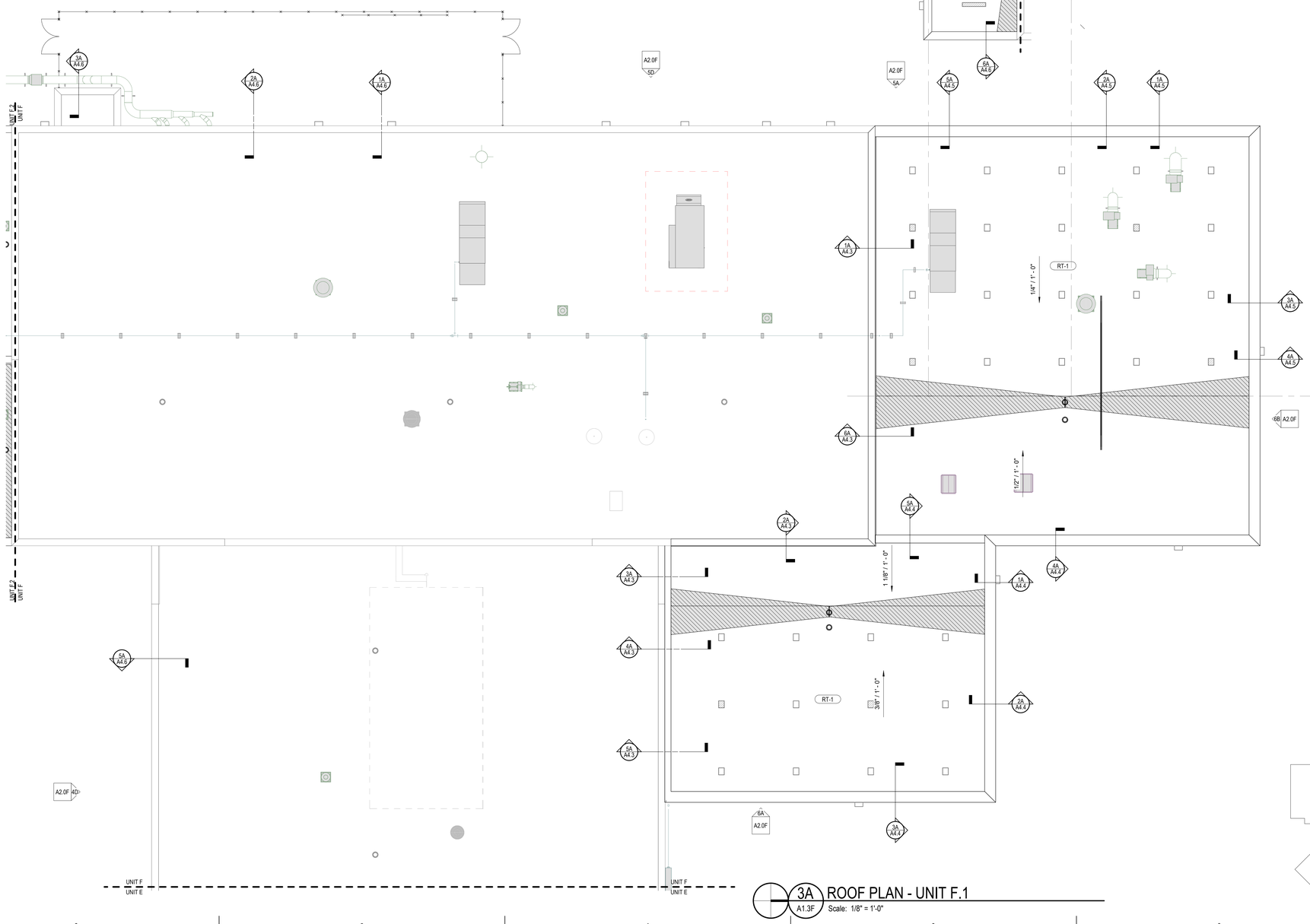
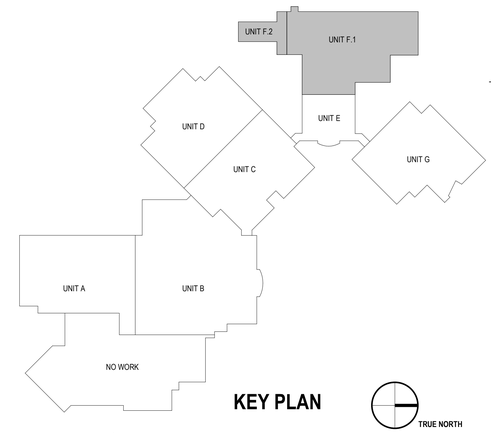
6. SEE DETAIL 1D/ A5.2FOR CURB FLASHING DETAIL.
7. SEE DETAIL 2C/ A5.2 FOR TYPICAL ROOF DRAIN DETAIL.
8. SEE DETAIL 2D/ A5.2 FOR TYPICAL ROOF SADDLES.
9. SEE DETAIL -/--- FOR ROOF LADDER.



6C A1.3F ROOF PLAN - UNIT F.2
Scale: 1/8" = 1'-0"



3A A1.3F ROOF PLAN - UNIT F.1
Scale: 1/8" = 1'-0"



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CONSTRUCTION DOCUMENTS
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Project Number:
3705

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UNIT F - ROOF PLAN

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5A A1.5 FIRST FLOOR RCP - OVERALL

Scale: 1" = 30'-0"

GENERAL CEILING PLAN NOTES

EXISTING CEILING TILE & GRID

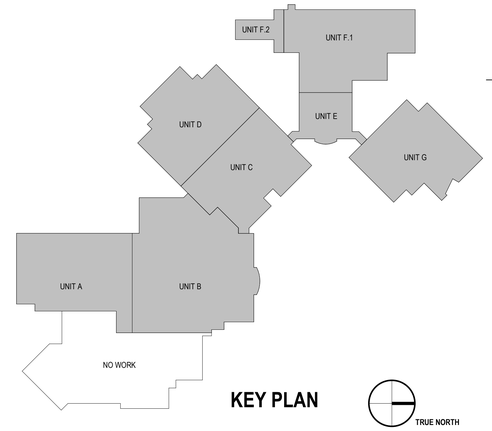
EXISTING GYP. BOARD CEILING

NEW CEILING TILE & GRID

NEW GYP. BOARD CEILING

1. REFER TO INTERIOR FINISH LEGEND FOR CEILING MATERIAL KEYS.
2. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED PT-5 UNLESS NOTED OTHERWISE. WHERE A PAINT COLOR IS INDICATED, PAINT THE BOTTOM AND FACE OF THE SOFFIT THE COLOR INDICATED.
3. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES, DIFFUSERS, SPRINKLER HEADS, ETC. CONSULT WITH ARCHITECT REGARDING ANY DISCREPANCIES.
4. REMOVE EXISTING CEILING PRIOR TO INSTALLING ANY NEW CEILING IF NOT NOTED ON THE DEMOLITION PLANS.
5. RECESSED LIGHT FIXTURES, SPEAKERS, EXIT LIGHTS, SMOKE DETECTORS, ETC. TO BE LOCATED IN THE CENTER OF CEILING TILES.
6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CEILING MOUNTED DEVICE SYMBOL LEGEND.
7. ALL CEILING TILE TO BE CENTERED IN BOTH DIRECTIONS IN EACH ROOM OR SPACE, UNLESS NOTED OTHERWISE. TYPICAL CEILING TILE SHOULD NOT BE CUT LESS THAN 6" WIDE IN ANY AREA. WHEN GRID LAYOUT RESULTS IN A CEILING TILE OF LESS THAN 4" FOR THE LENGTH OR WIDTH OF A ROOM, OMIT RUNNER NEAREST WALL AND CUT FULL TILE TO WIDTH AS NEEDED.
8. APPLY ADDITIONAL SUPPORT TO BOTTOM OF STRUCTURE AT CEILING CLOUDS WHERE OVERHEAD DOOR TRACKS CONFLICT WITH TYPICAL CABLE.
9. ALL INTERIOR STEEL LINTELS IN PROJECT TO BE PAINTED TO MATCH ADJACENT WALL, SEE FINISH PLANS FOR ACCENT COLOR LOCATIONS

KEYNOTE LEGEND



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GENERAL CEILING PLAN NOTES

EXISTING CEILING TILE & GRID

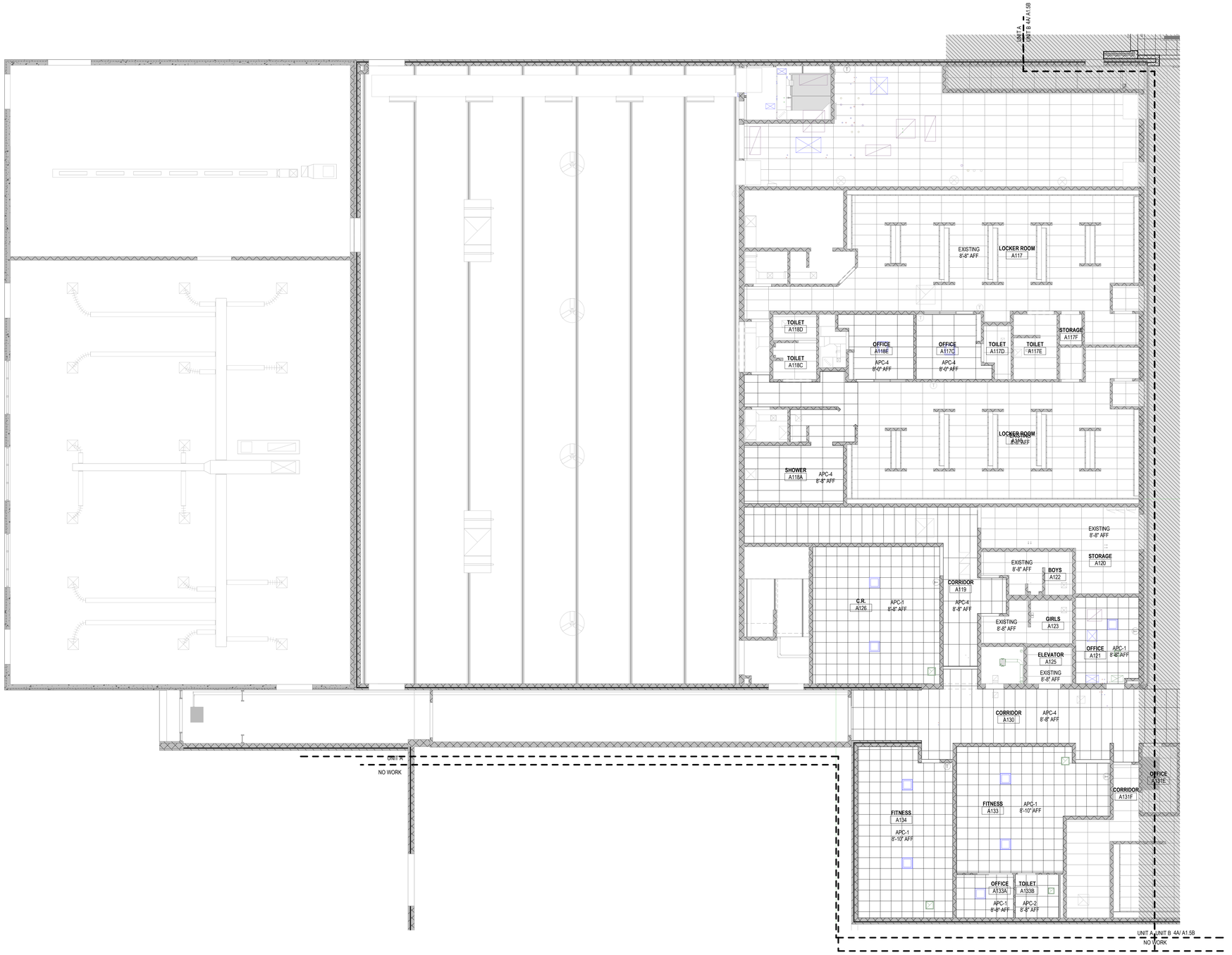
EXISTING GYP. BOARD CEILING

NEW CEILING TILE & GRID

NEW GYP. BOARD CEILING

1. REFER TO INTERIOR FINISH LEGEND FOR CEILING MATERIAL KEYS.
2. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED PT-5 UNLESS NOTED OTHERWISE. WHERE A PAINT COLOR IS INDICATED, PAINT THE BOTTOM AND FACE OF THE SOFFIT THE COLOR INDICATED.
3. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES, DIFFUSERS, SPRINKLER HEADS, ETC. CONSULT WITH ARCHITECT REGARDING ANY DISCREPANCIES.
4. REMOVE EXISTING CEILING PRIOR TO INSTALLING ANY NEW CEILING IF NOT NOTED ON THE DEMOLITION PLANS.
5. RECESSED LIGHT FIXTURES, SPEAKERS, EXIT LIGHTS, SMOKE DETECTORS, ETC. TO BE LOCATED IN THE CENTER OF CEILING TILES.
6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CEILING MOUNTED DEVICE SYMBOL LEGEND.
7. ALL CEILING TILE TO BE CENTERED IN BOTH DIRECTIONS IN EACH ROOM OR SPACE, UNLESS NOTED OTHERWISE. TYPICAL CEILING TILE SHOULD NOT BE CUT LESS THAN 6" WIDE IN ANY AREA. WHEN GRID LAYOUT RESULTS IN A CEILING TILE OF LESS THAN 4" FOR THE LENGTH OR WIDTH OF A ROOM, OMIT RUNNER NEAREST WALL AND CUT FULL TILE TO WIDTH AS NEEDED.
8. APPLY ADDITIONAL SUPPORT TO BOTTOM OF STRUCTURE AT CEILING CLOUDS WHERE OVERHEAD DOOR TRACKS CONFLICT WITH TYPICAL CABLE.
9. ALL INTERIOR STEEL LINTELS IN PROJECT TO BE PAINTED TO MATCH ADJACENT WALL, SEE FINISH PLANS FOR ACCENT COLOR LOCATIONS

KEYNOTE LEGEND



6A A1.5A UNIT A - FIRST FLOOR RCP

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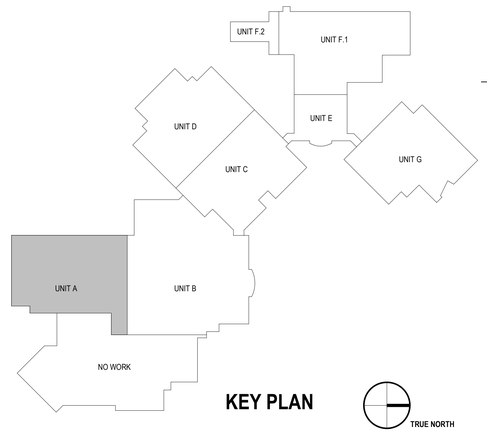

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GENERAL CEILING PLAN NOTES

EXISTING CEILING TILE & GRID
EXISTING GYP. BOARD CEILING
NEW CEILING TILE & GRID
NEW GYP. BOARD CEILING

1. REFER TO INTERIOR FINISH LEGEND FOR CEILING MATERIAL KEYS.
2. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED PT-5 UNLESS NOTED OTHERWISE. WHERE A PAINT COLOR IS INDICATED, PAINT THE BOTTOM AND FACE OF THE SOFFIT THE COLOR INDICATED.
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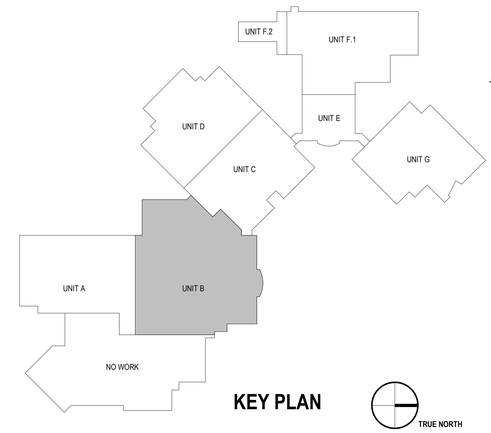
8. APPLY ADDITIONAL SUPPORT TO BOTTOM OF STRUCTURE AT CEILING CLOUDS WHERE OVERHEAD DOOR TRACKS CONFLICT WITH TYPICAL CABLE.
9. ALL INTERIOR STEEL LINTELS IN PROJECT TO BE PAINTED TO MATCH ADJACENT WALL, SEE FINISH PLANS FOR ACCENT COLOR LOCATIONS

KEYNOTE LEGEND

AV-7	CEILING MOUNTED PROJECTOR - FURNISHED AND INSTALLED BY OWNER
AV-8	PROJECTION SCREEN - FURNISHED AND INSTALLED BY OWNER
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
PT-5	PAINT - SEE INTERIOR FINISH LEGEND
PT-6	PAINT - SEE INTERIOR FINISH LEGEND
WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADE) - SEE INTERIOR FINISH LEGEND

4A A1.5B UNIT B - FIRST FLOOR RCP
Scale: 1/8" = 1'-0"



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CONSTRUCTION DOCUMENTS
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UNIT B - FIRST FLOOR RCP

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A1.5B

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GENERAL CEILING PLAN NOTES

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EXISTING GYP. BOARD CEILING

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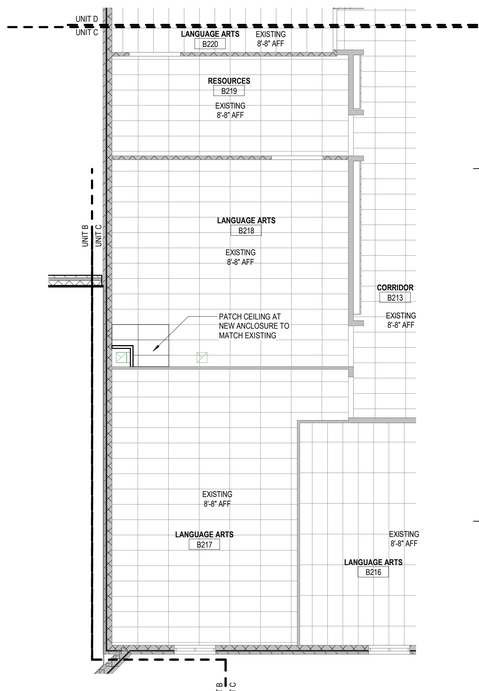
KEYNOTE LEGEND

AV-6	DISPLAY CAMERA - FURNISHED AND INSTALLED BY OWNER
PT-2	PAINT - SEE INTERIOR FINISH LEGEND



5A A1.5C UNIT C - FIRST FLOOR RCP

Scale: 1/8" = 1'-0"



1B A1.5C UNIT C - PARTIAL - FIRST FLOOR RCP

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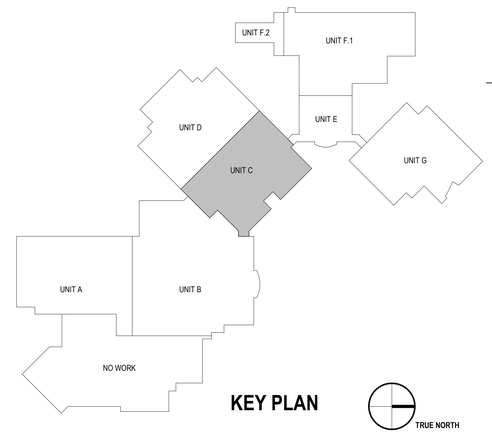

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12/19/2025

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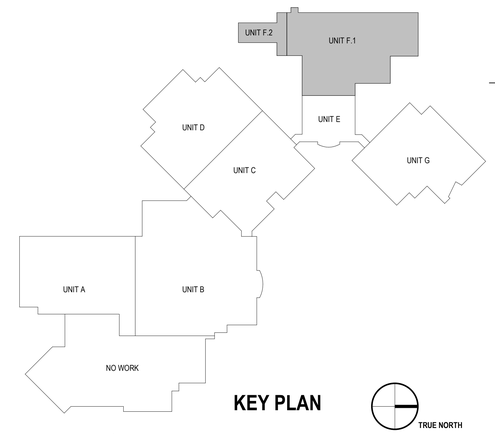
3C A1.5F UNIT F.2 - FIRST FLOOR RCP
Scale: 1/8" = 1'-0"

4A A1.5F UNIT F.1 - FIRST FLOOR RCP
Scale: 1/8" = 1'-0"



KEY PLAN

TRUE NORTH

GENERAL CEILING PLAN NOTES

EXISTING CEILING TILE & GRID
EXISTING GYP. BOARD CEILING
NEW CEILING TILE & GRID
NEW GYP. BOARD CEILING

1. REFER TO INTERIOR FINISH LEGEND FOR CEILING MATERIAL KEYS.
2. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED PT-5 UNLESS NOTED OTHERWISE. WHERE A PAINT COLOR IS INDICATED, PAINT THE BOTTOM AND FACE OF THE SOFFIT THE COLOR INDICATED.
3. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES, DIFFUSERS, SPRINKLER HEADS, ETC. CONSULT WITH ARCHITECT REGARDING ANY DISCREPANCIES.
4. REMOVE EXISTING CEILING PRIOR TO INSTALLING ANY NEW CEILING IF NOT NOTED ON THE DEMOLITION PLANS.
5. RECESSED LIGHT FIXTURES, SPEAKERS, EXIT LIGHTS, SMOKE DETECTORS, ETC. TO BE LOCATED IN THE CENTER OF CEILING TILES.
6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CEILING MOUNTED DEVICE SYMBOL LEGEND.
7. ALL CEILING TILE TO BE CENTERED IN BOTH DIRECTIONS IN EACH ROOM OR SPACE, UNLESS NOTED OTHERWISE. TYPICAL CEILING TILE SHOULD NOT BE CUT LESS THAN 6" WIDE IN ANY AREA. WHEN GRID LAYOUT RESULTS IN A CEILING TILE OF LESS THAN 4" FOR THE LENGTH OR WIDTH OF A ROOM, OMIT RUNNER NEAREST WALL AND CUT FULL TILE TO WIDTH AS NEEDED.
8. APPLY ADDITIONAL SUPPORT TO BOTTOM OF STRUCTURE AT CEILING CLOUDS WHERE OVERHEAD DOOR TRACKS CONFLICT WITH TYPICAL CABLE.
9. ALL INTERIOR STEEL LINTELS IN PROJECT TO BE PAINTED TO MATCH ADJACENT WALL, SEE FINISH PLANS FOR ACCENT COLOR LOCATIONS

KEYNOTE LEGEND

WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-2	WINDOW TREATMENT (MOTORIZED ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-3	WINDOW TREATMENT (MOTORIZED BLACKOUT ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-4	WINDOW TREATMENT (MANUAL BLACKOUT ROLLER SHADE) - SEE INTERIOR FINISH LEGEND

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ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

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12/19/2025

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Sheet Title:
UNIT F - FIRST FLOOR RCP

Sheet Number:
A1.5F

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GENERAL CEILING PLAN NOTES

EXISTING CEILING TILE & GRID

EXISTING GYP. BOARD CEILING

NEW CEILING TILE & GRID

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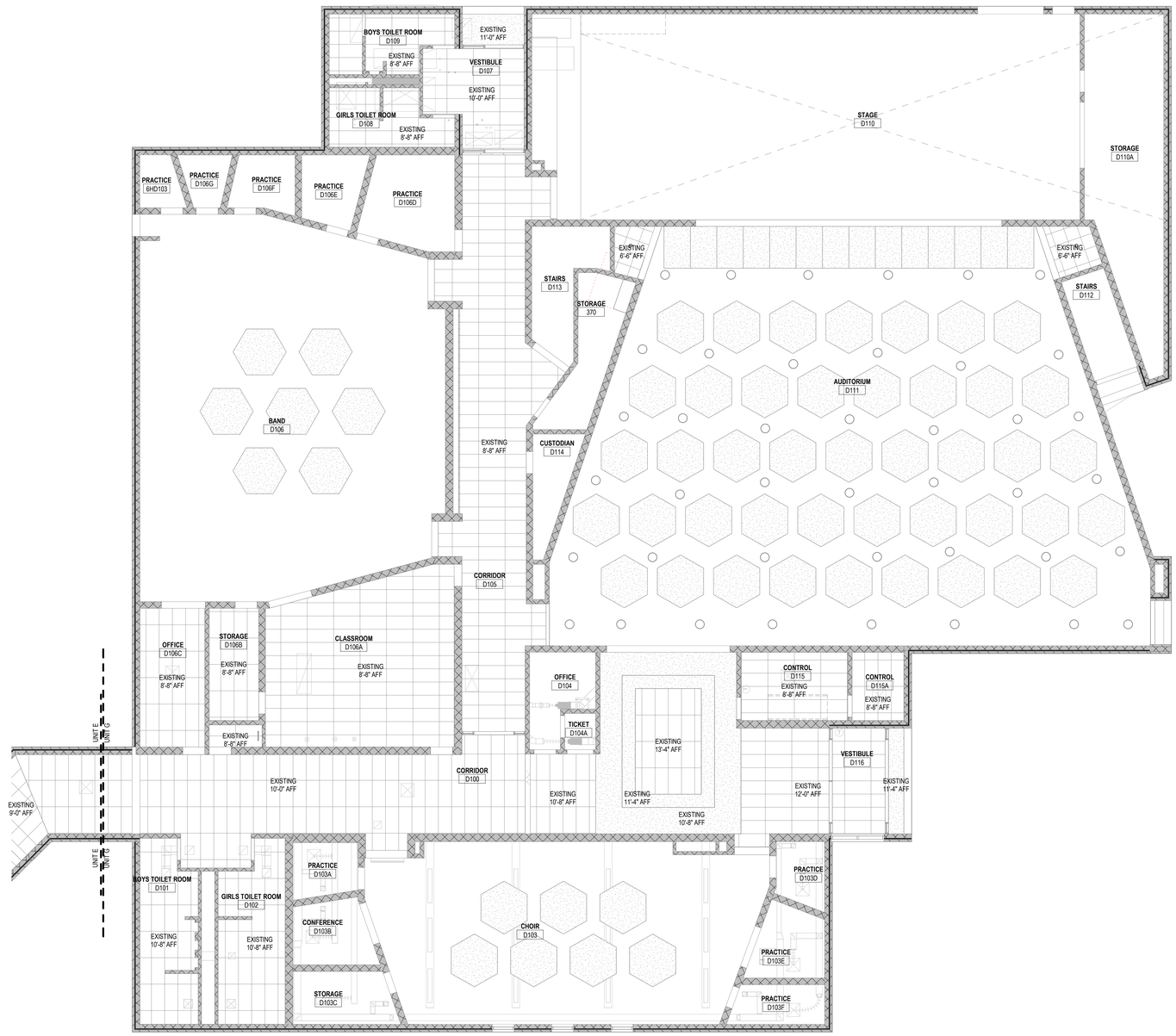
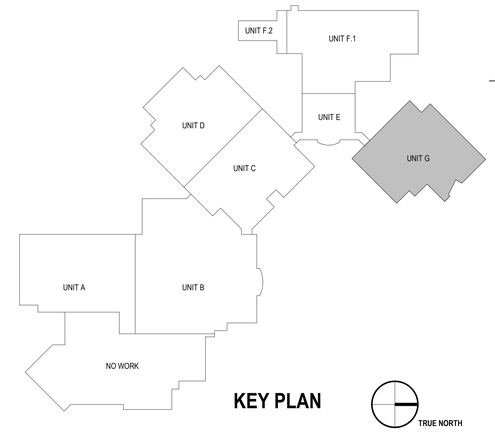
KEYNOTE LEGEND





KEY PLAN

TRUE NORTH

4A / A1.5G UNIT G - FIRST FLOOR RCP

Scale: 1/8" = 1'-0"

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UNIT G - FIRST FLOOR RCP

Sheet Number:
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GENERAL CEILING PLAN NOTES

EXISTING CEILING TILE & GRID

EXISTING GYP. BOARD CEILING

NEW CEILING TILE & GRID

NEW GYP. BOARD CEILING

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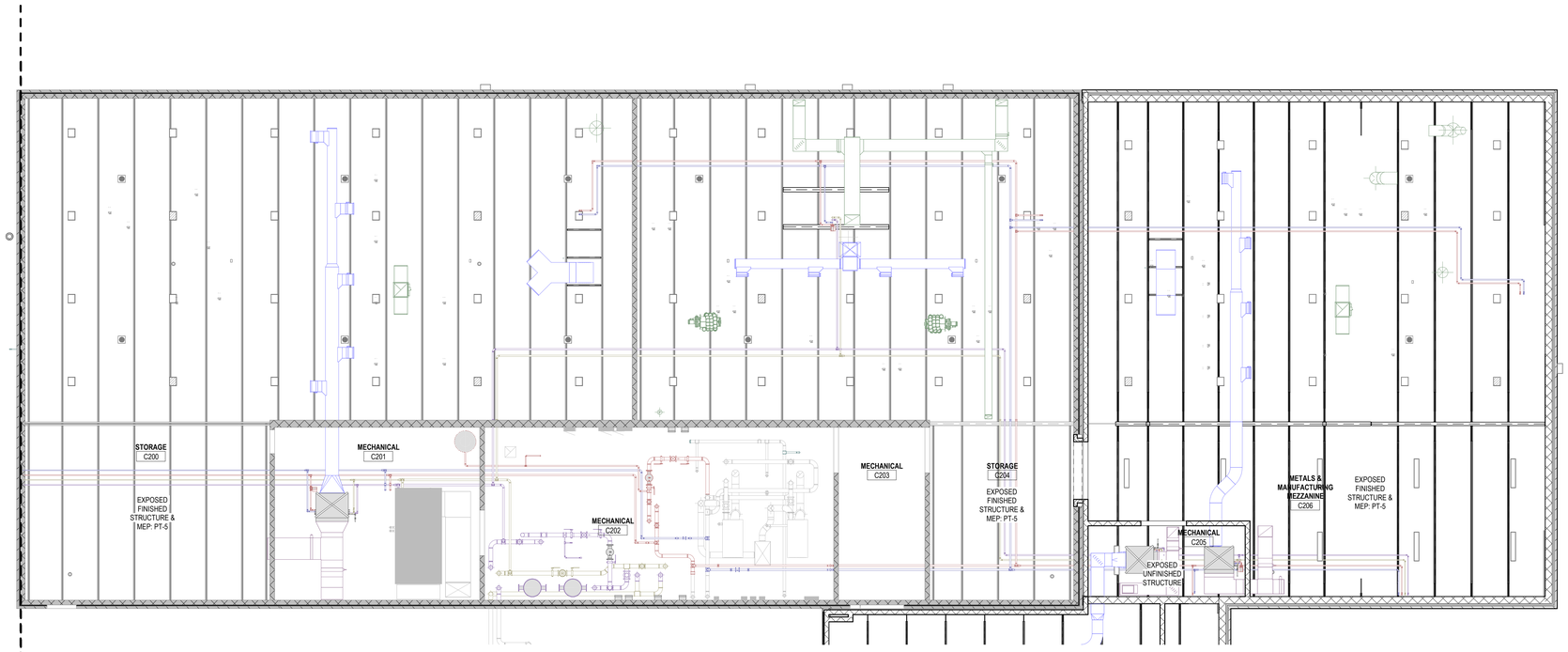
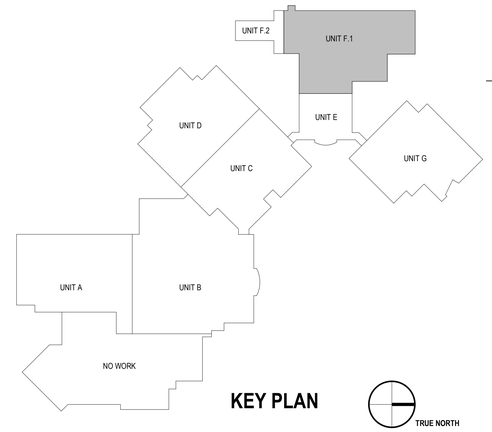
KEYNOTE LEGEND



3A A1.6F.1 UNIT F.1 - MEZZANINE FLOOR RCP

Scale: 1/8" = 1'-0"



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UNIT F - MEZZANINE FLOOR RCP

Sheet Number:
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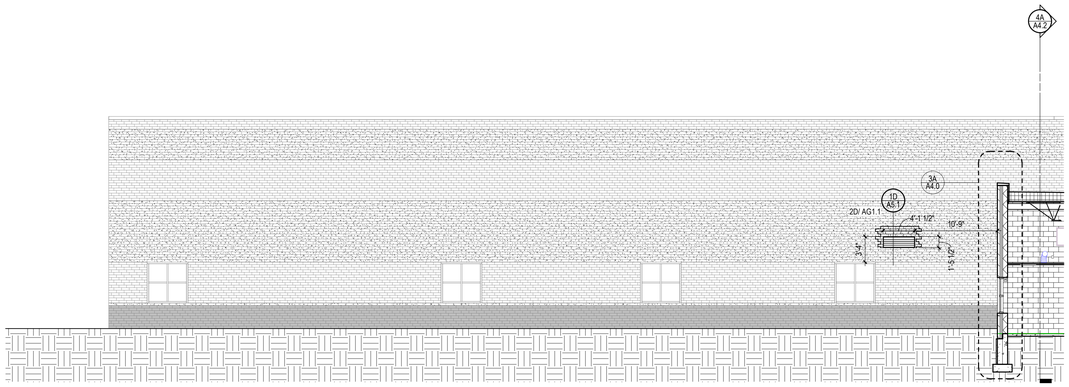
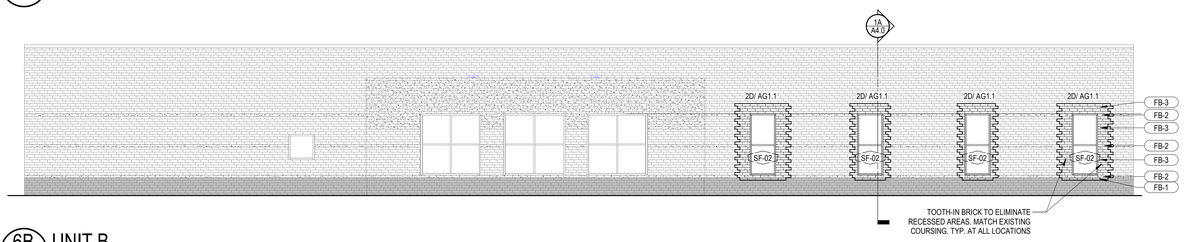
KEYNOTE LEGEND

FB-1	FACE BRICK - GRAY
FB-2	FACE BRICK - RED
FB-3	FACE BRICK - BIEGE
RFS-3	METAL COPING



6C UNIT C
A2.0B Scale: 1/8" = 1'-0"



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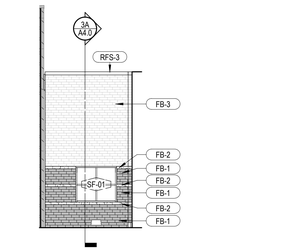
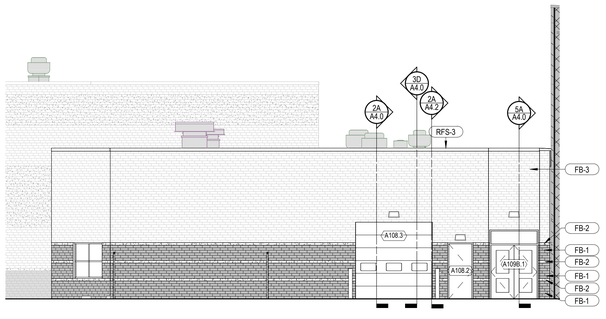
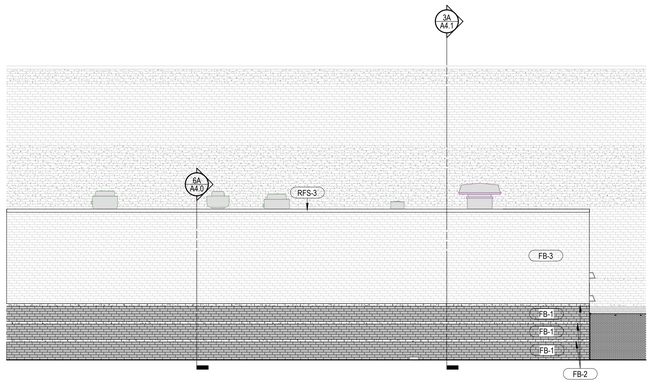


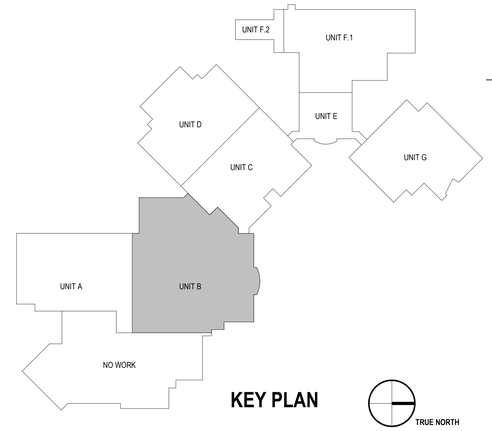
2B WEST ELEVATION - UNIT B
A2.0B Scale: 1/8" = 1'-0"



6A SOUTH ELEVATION - UNIT B
A2.0B Scale: 1/8" = 1'-0"



3A WEST ELEVATION - UNIT B
A2.0B Scale: 1/8" = 1'-0"



KEY PLAN

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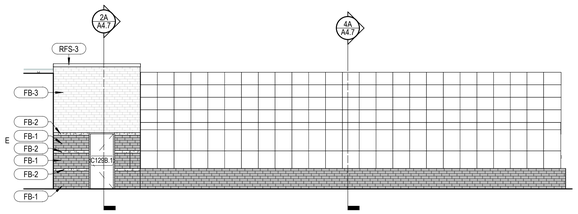
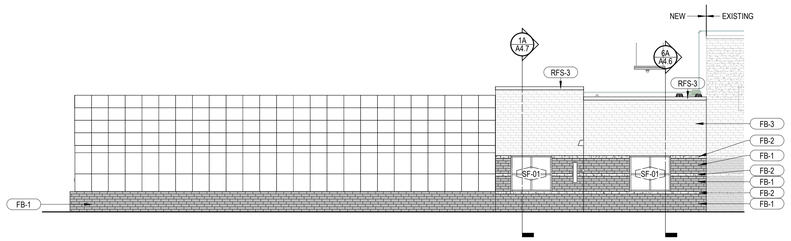
KEYNOTE LEGEND

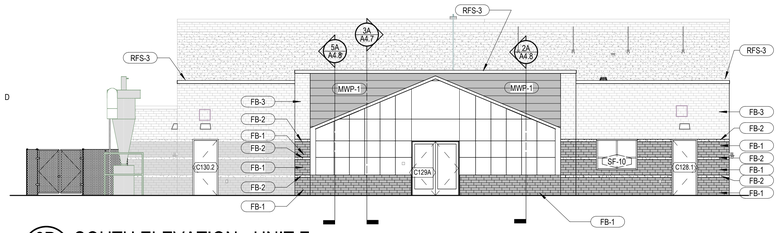
FB-1	FACE BRICK - GRAY
FB-2	FACE BRICK - RED
FB-3	FACE BRICK - BIEGE
MWP-1	FLUSH-PROFILE, CONCEALED-FASTENER METAL WALL PANELS.
RFS-3	METAL COPING



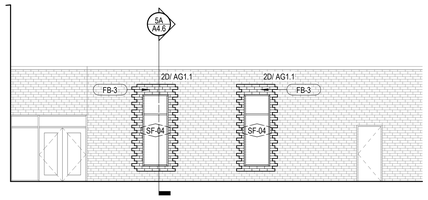
6E GREENHOUSE - WEST
A2.0F Scale: 1/8" = 1'-0"



4E GREENHOUSE - EAST
A2.0F Scale: 1/8" = 1'-0"



6D SOUTH ELEVATION - UNIT F
A2.0F Scale: 1/8" = 1'-0"



4D SOUTH ELEVATION - UNIT F
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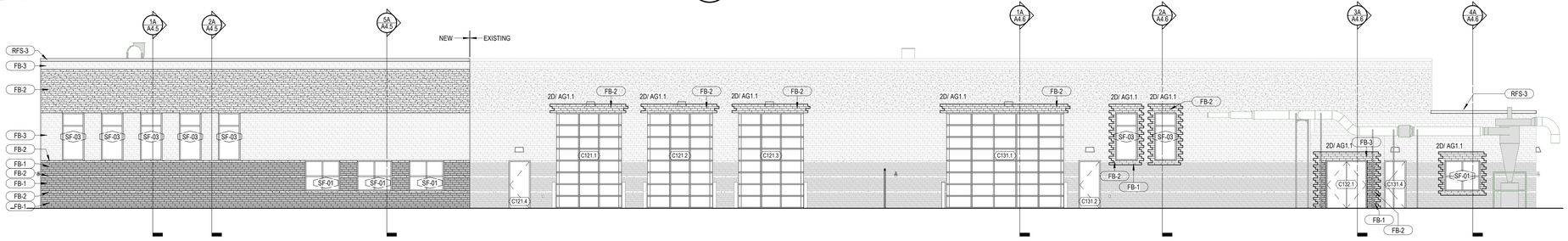
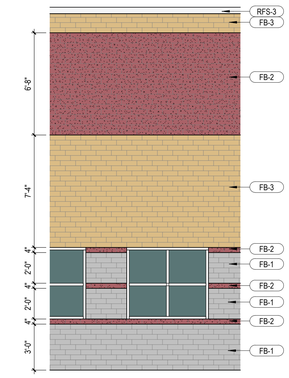


5D EAST ELEVATION - UNIT F
A2.0F Scale: 1/8" = 1'-0"



5A TYPICAL BRICK ELEVATION -ADDITION
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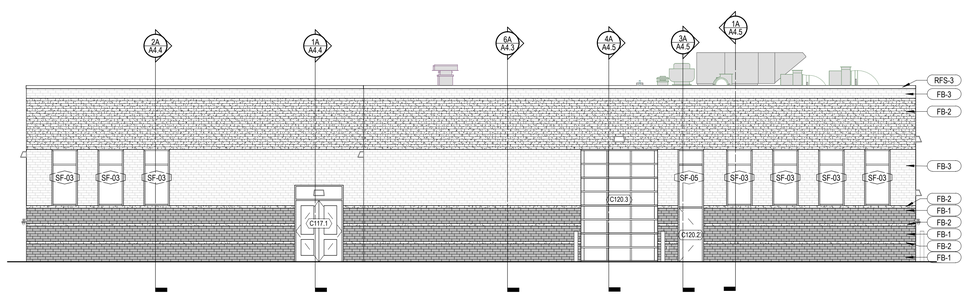
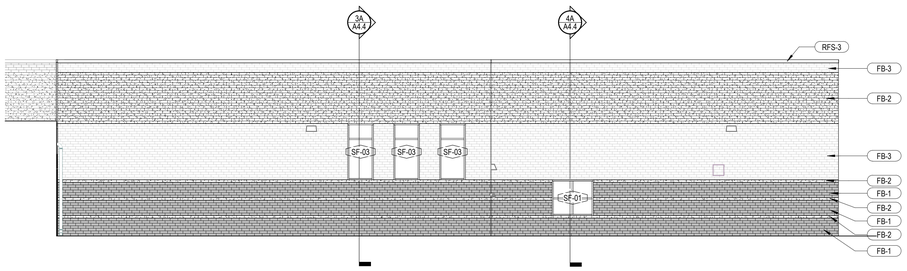
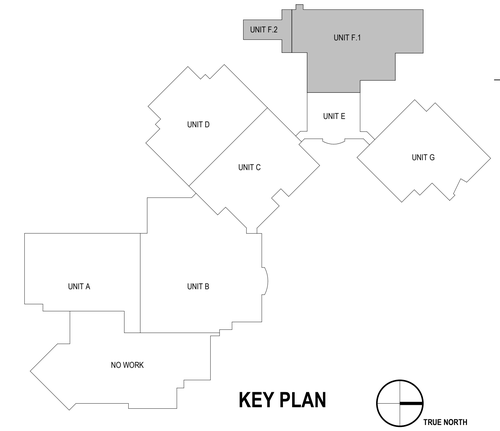


6B NORTH ELEVATION - UNIT F
A2.0F Scale: 1/8" = 1'-0"



6A WEST ELEVATION - UNIT F
A2.0F Scale: 1/8" = 1'-0"



KEY PLAN

TRUE NORTH

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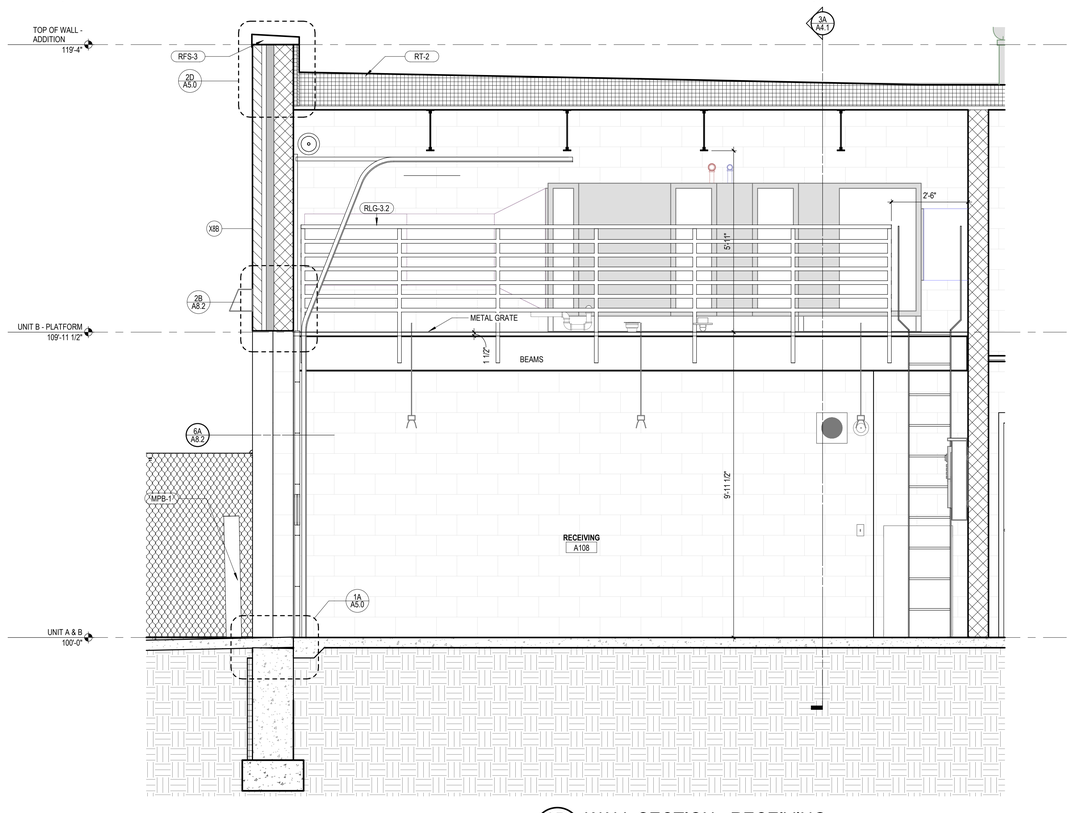
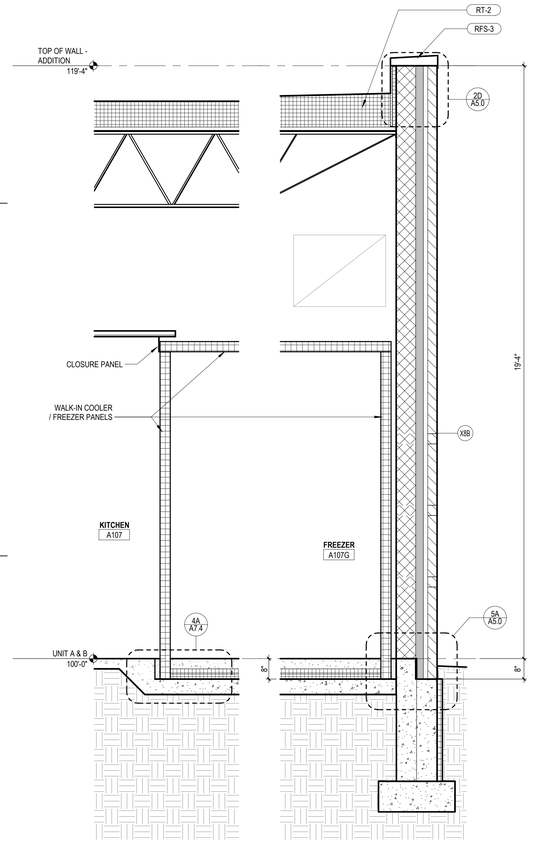
KEYNOTE LEGEND

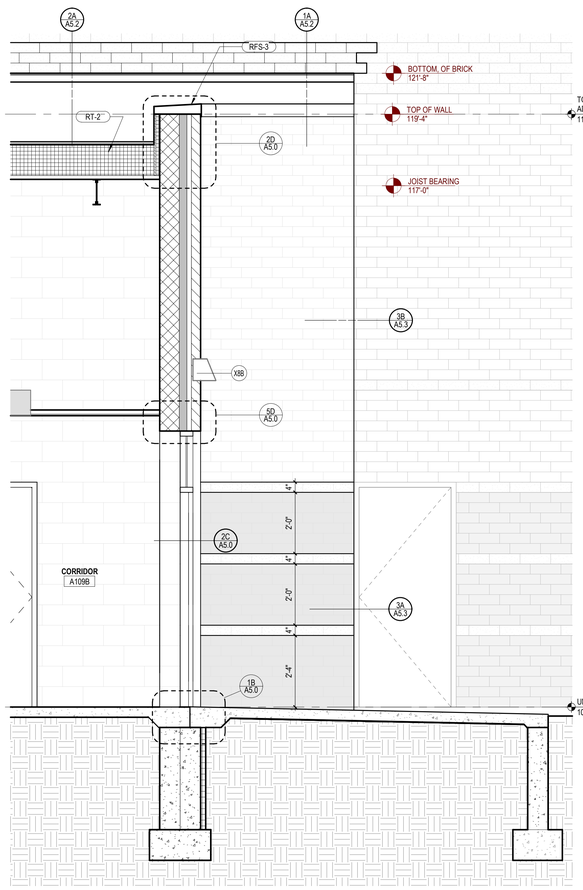
MPB-1	METAL (PIPE) BOLLARD - PT-7
RFS-3	METAL COPING
RLG-3.2	PIPE AND TUBE GUARDRAIL
RT-2	ROOF TYPE 2



3D WALL SECTION - RECEIVING
A4.0 Scale: 1/2" = 1'-0"



6A WALL SECTION - FREEZER
A4.0 Scale: 1/2" = 1'-0"



5A WALL SECTION - ENTRANCE
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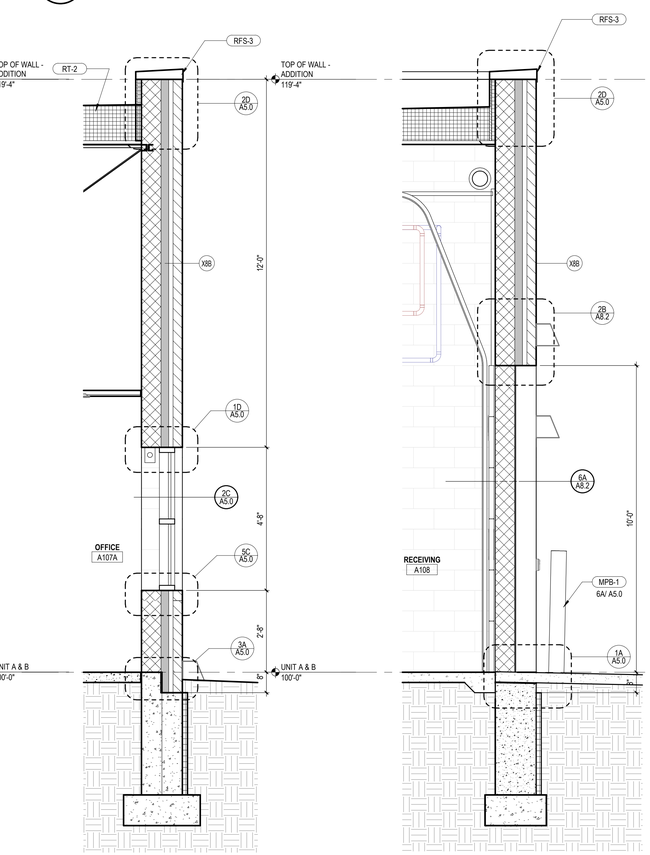
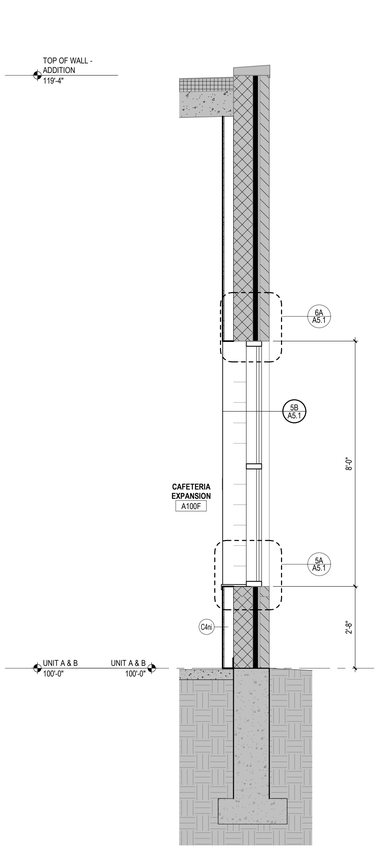


3A WALL SECTION - WINDOW
A4.0 Scale: 1/2" = 1'-0"

2A WALL SECTION - OVERHEAD DOOR
A4.0 Scale: 1/2" = 1'-0"



1A WALL SECTION - EXISTING
A4.0 Scale: 1/2" = 1'-0"

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Sheet Title:
WALL SECTIONS

Sheet Number:
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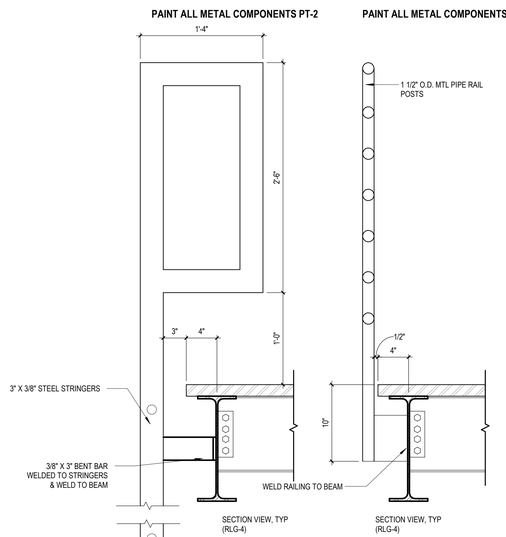
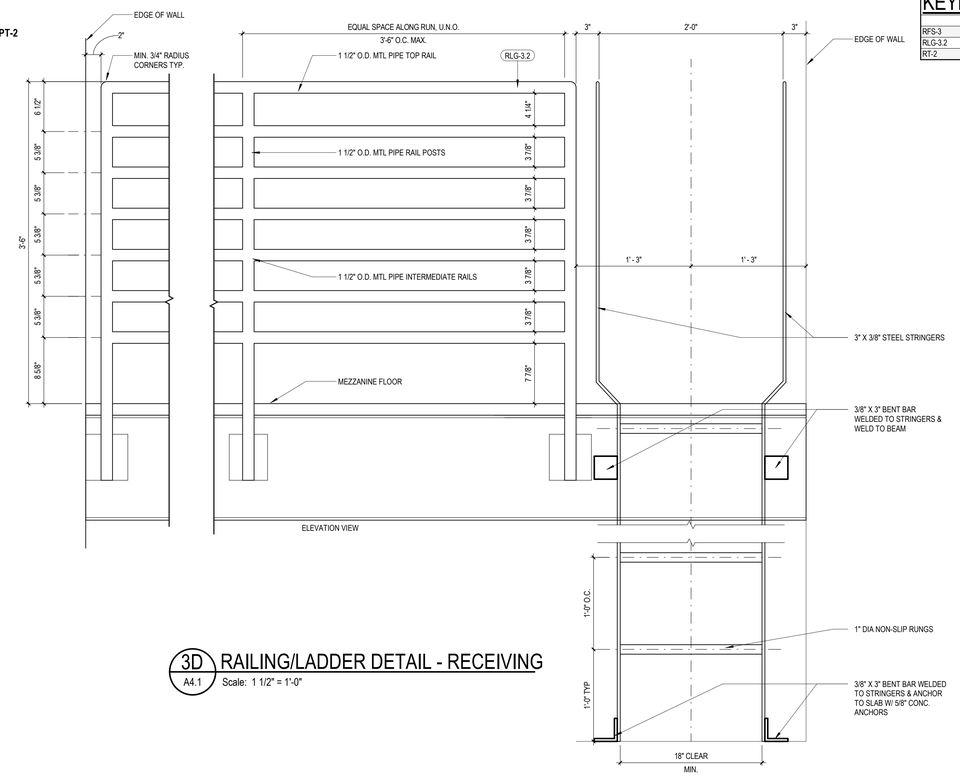
KEYNOTE LEGEND

RFS-3	METAL COPING
RLG-3.2	PIPE AND TUBE GUARDRAIL
RT-2	ROOF TYPE 2



3D A4.1 RAILING/LADDER DETAIL - RECEIVING
Scale: 1 1/2" = 1'-0"



3A A4.1 WALL SECTION - RECEIVING/STORAGE
Scale: 1/2" = 1'-0"

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

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Sheet Title:
WALL SECTIONS

Sheet Number:
A4.1

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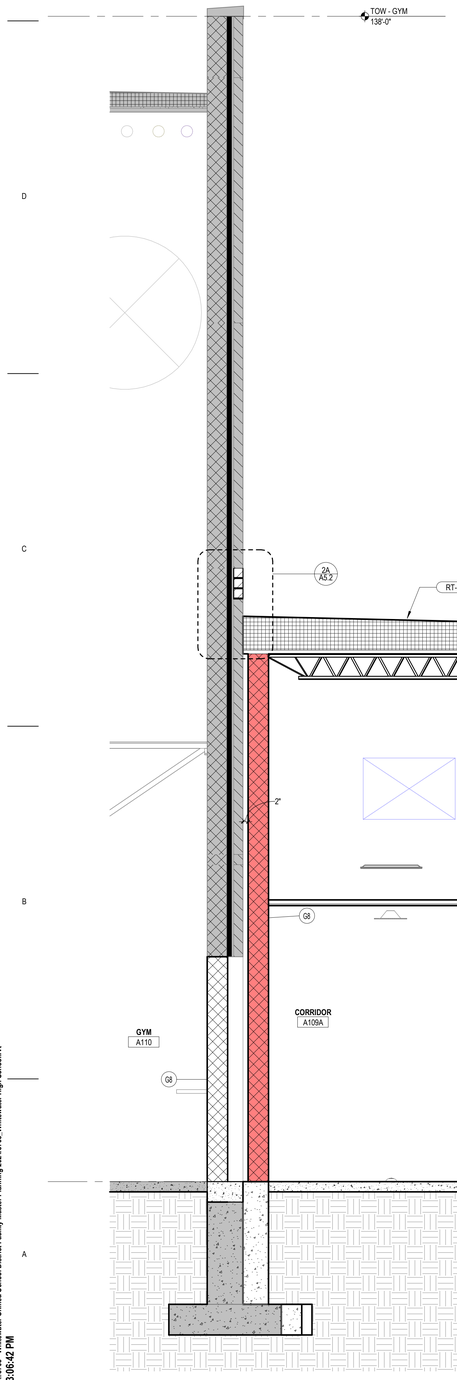
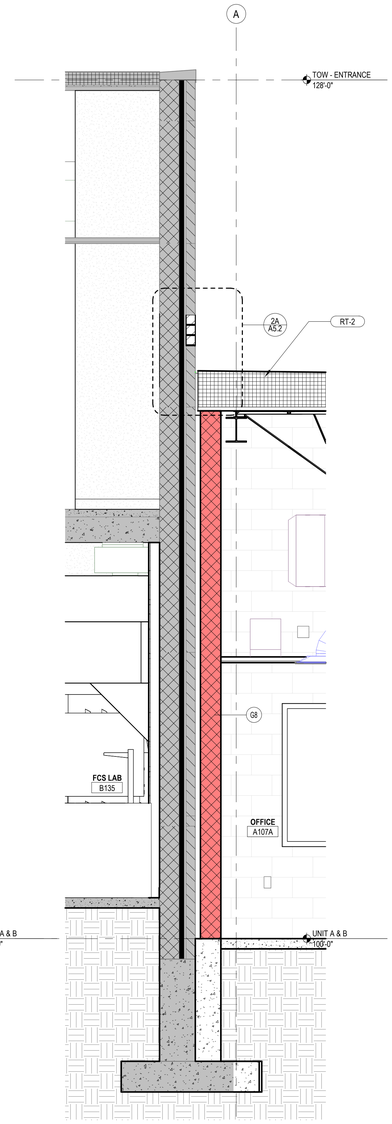
KEYNOTE LEGEND

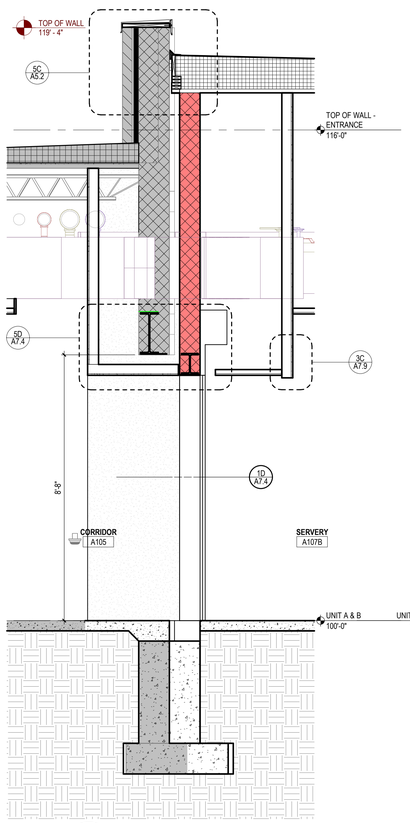
RT-2	ROOF TYPE 2



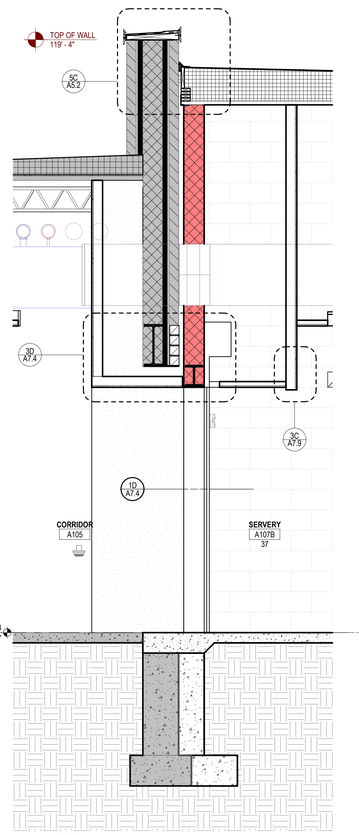
6A A4.2 WALL SECTION - FW - B ROOF
Scale: 1/2" = 1'-0"



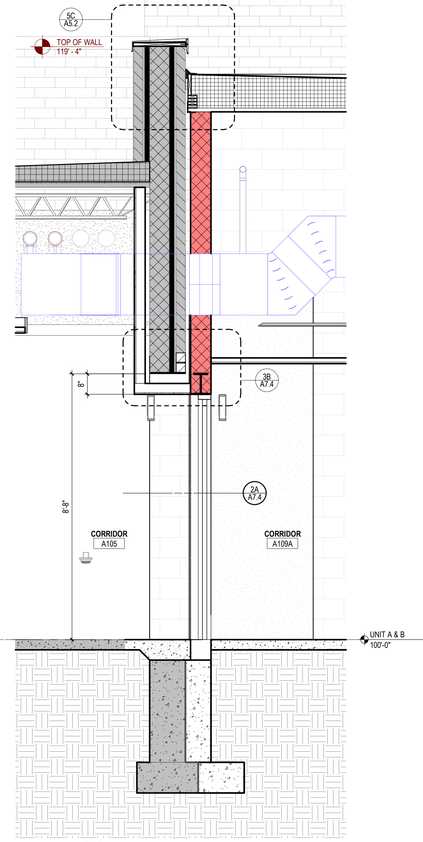
4A A4.2 WALL SECTION - FW - C ROOF
Scale: 1/2" = 1'-0"



3A A4.2 WALL SECTION - FW - COILING DOOR
Scale: 1/2" = 1'-0"



2A A4.2 WALL SECTION - FW - COILING DOOR1
Scale: 1/2" = 1'-0"



1A A4.2 WALL SECTION - FW - FIRE DOOR
Scale: 1/2" = 1'-0"

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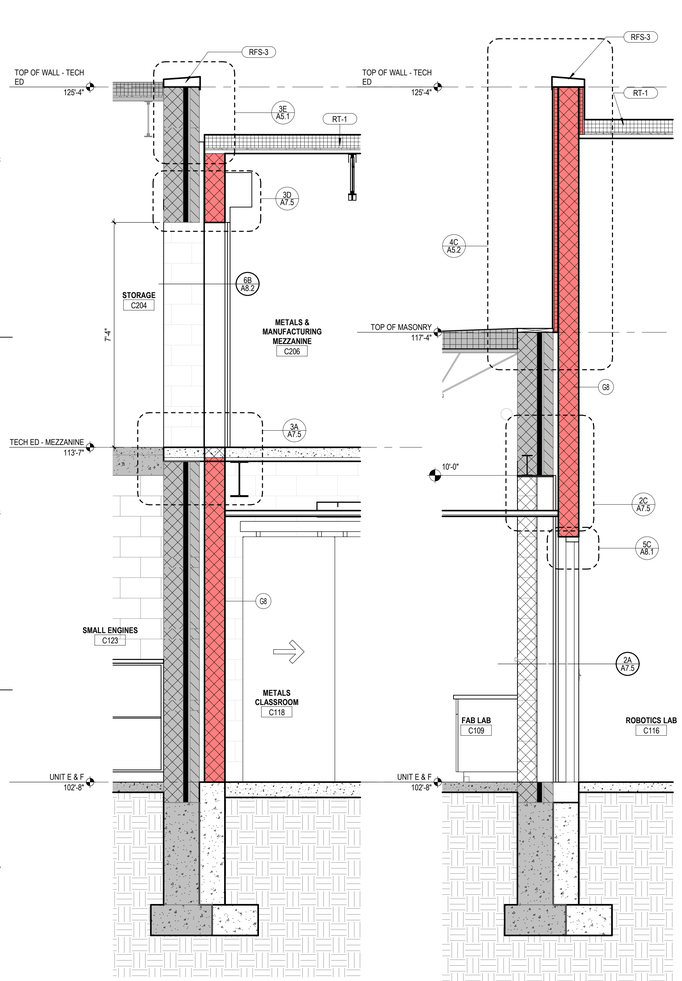
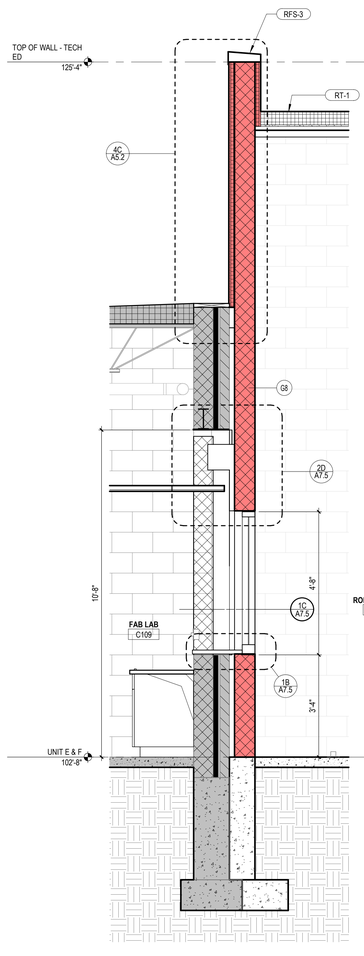
KEYNOTE LEGEND

RFS-3	METAL COPING
RT-1	ROOF TYPE 1

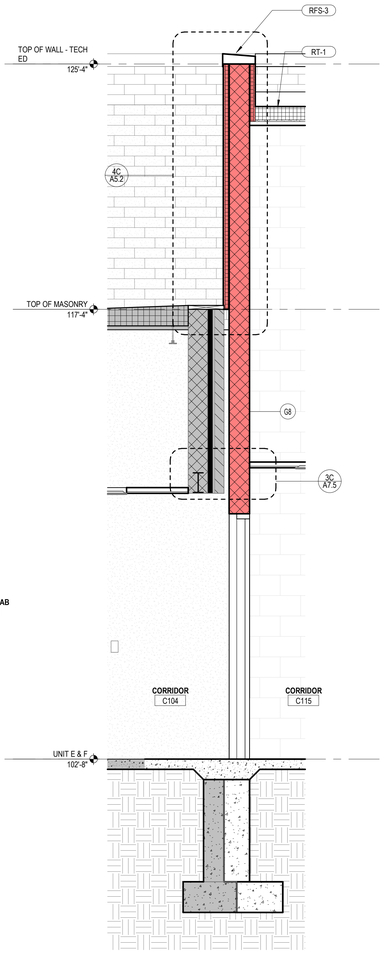


6A A4.3 UNIT F - SECTION - TECH ED - MEZZ
Scale: 1/2" = 1'-0"

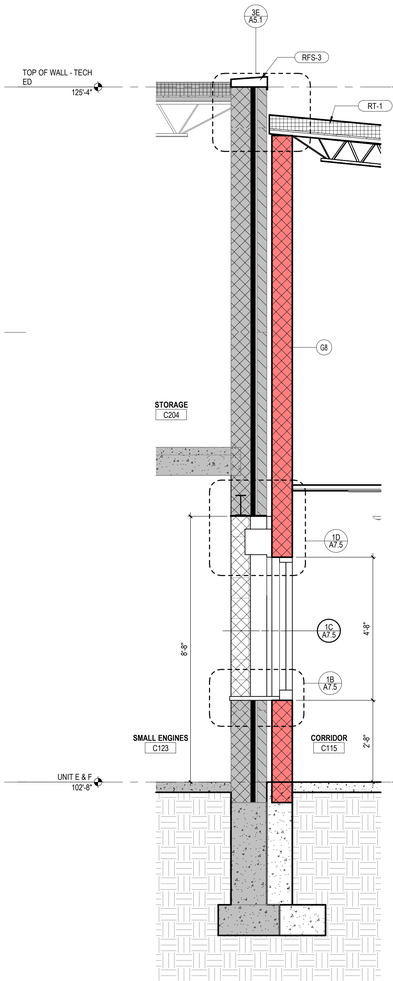
5A A4.3 WALL SECTION - ROBOTIC - DOOR
Scale: 1/2" = 1'-0"



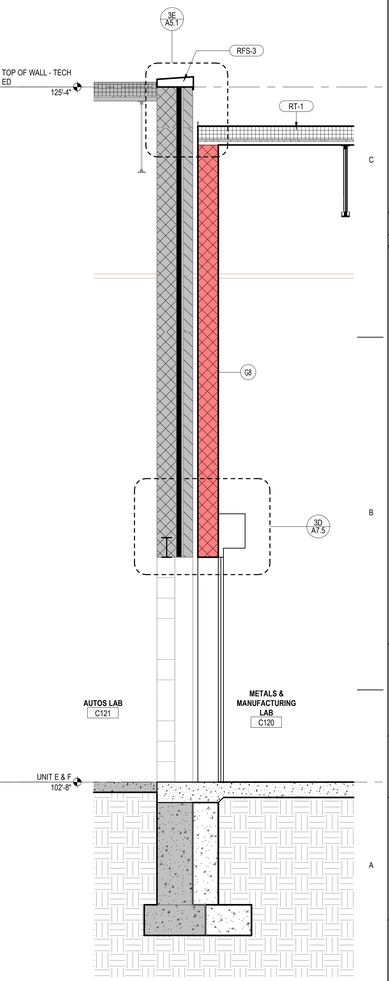
4A A4.3 SECTION - ROBOTIC - COILING DOOR
Scale: 1/2" = 1'-0"



3A A4.3 WALL SECTION - CORRIDOR - FW
Scale: 1/2" = 1'-0"



2A A4.3 WALL SECTION - TECH ED - MEZZ - FW
Scale: 1/2" = 1'-0"



1A A4.3 UNIT F - WALL SECTION - TECH ED - FW
Scale: 1/2" = 1'-0"

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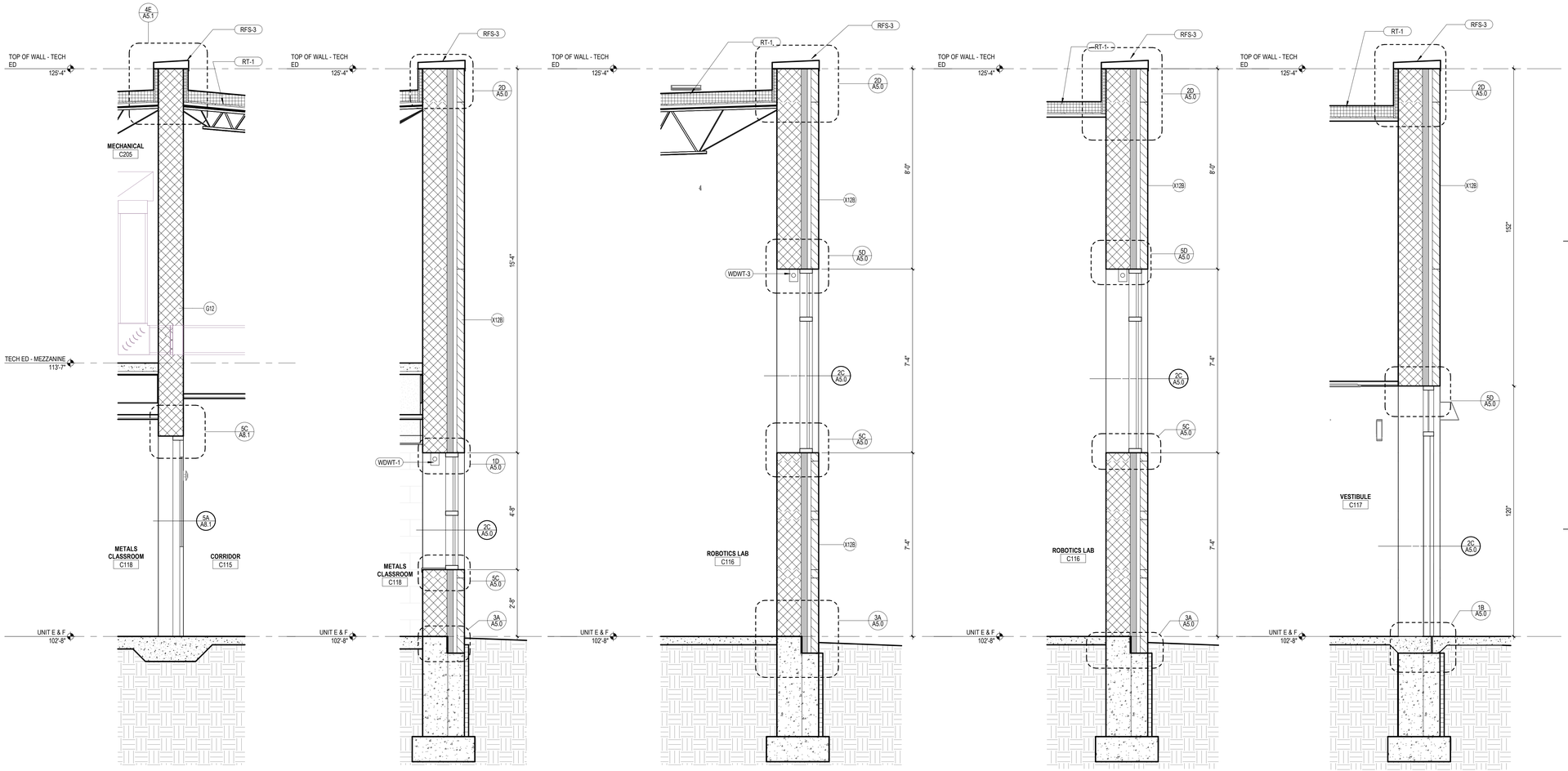
KEYNOTE LEGEND

RFS-3	METAL COPING
RT-1	ROOF TYPE 1
WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-3	WINDOW TREATMENT (MOTORIZED BLACKOUT ROLLER SHADE) - SEE INTERIOR FINISH LEGEND



5A WALL SECTION -- CLASSROOM
A4.4 Scale: 1/2" = 1'-0"

4A WALL SECTION -- CLASSROOM
A4.4 Scale: 1/2" = 1'-0"

3A WALL SECTION -- ROBOTICS
A4.4 Scale: 1/2" = 1'-0"

2A WALL SECTION - ROBOTICS - WINDOW
A4.4 Scale: 1/2" = 1'-0"

1A WALL SECTION - UNIT F - ENTRANCE
A4.4 Scale: 1/2" = 1'-0"

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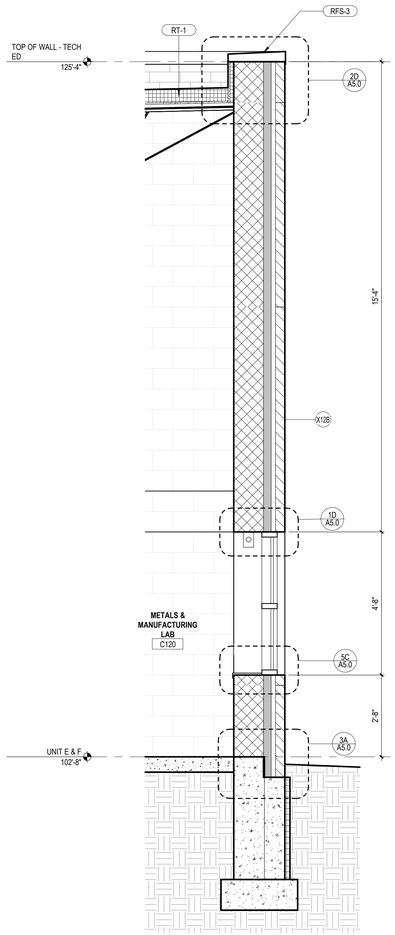
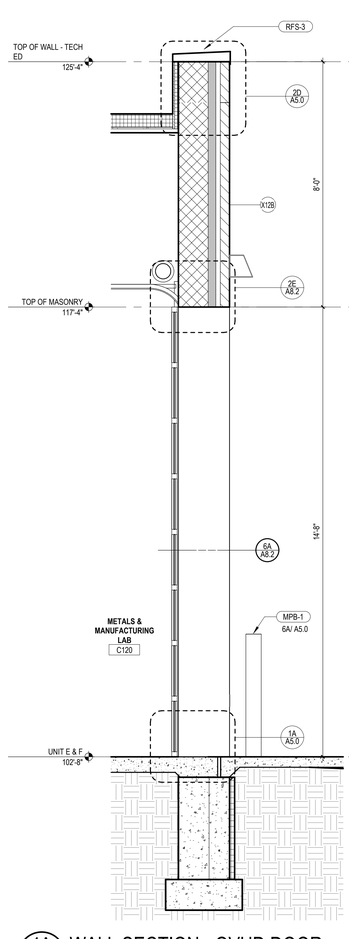
KEYNOTE LEGEND

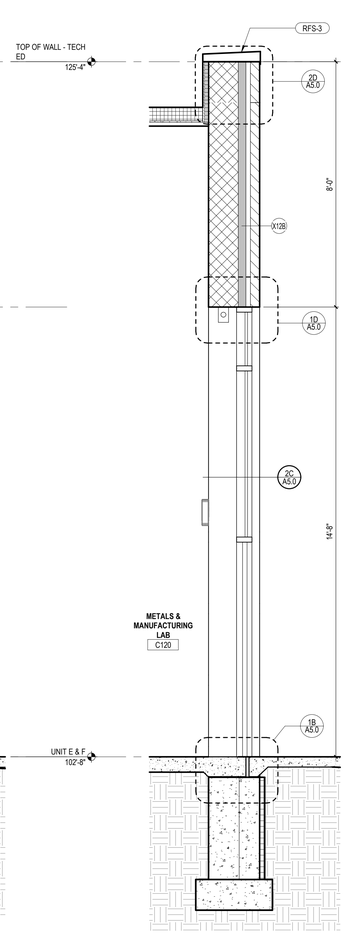
MPB-1	METAL (PIPE) BOLLARD - PT-7
RFS-3	METAL COPING
RT-1	ROOF TYPE 1



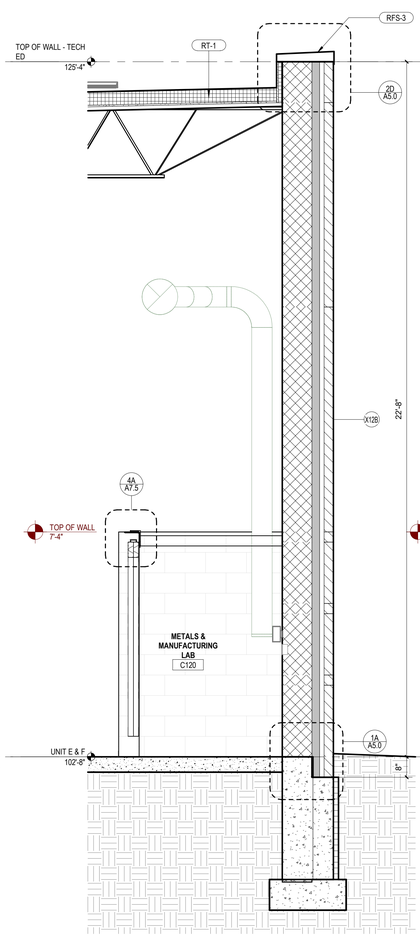
5A A4.5 UNIT F - TYPICAL WALL SECTION
Scale: 1/2" = 1'-0"



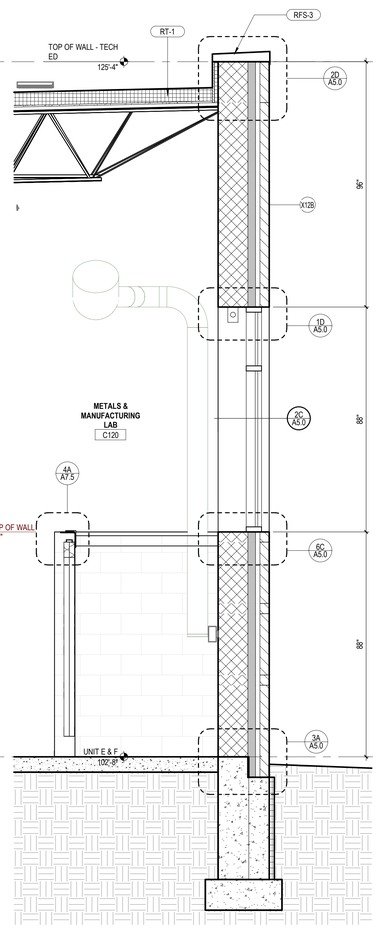
4A A4.5 WALL SECTION - OVHD DOOR
Scale: 1/2" = 1'-0"



3A A4.5 WALL SECTION - METALS ENTRANCE
Scale: 1/2" = 1'-0"



2A A4.5 UNIT F - SECTION - TECH ED - OVH
Scale: 1/2" = 1'-0"



1A A4.5 WALL SECTION - TECH ED - DOOR
Scale: 1/2" = 1'-0"

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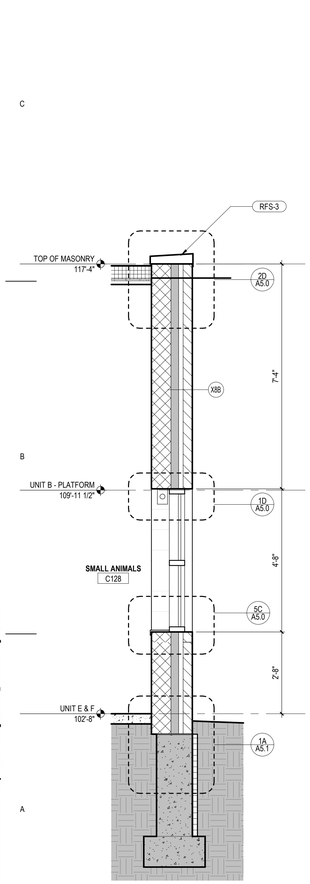
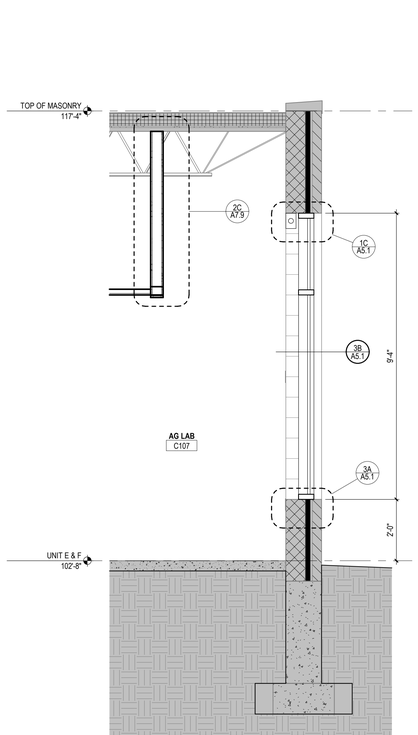
KEYNOTE LEGEND

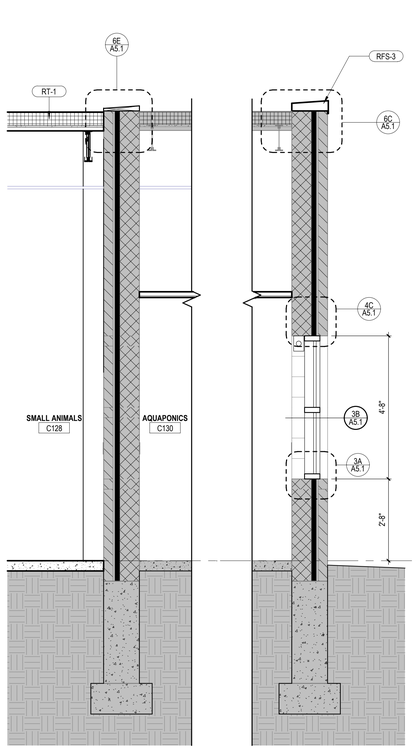
MPB-1	METAL (PIPE) BOLLARD - PT-7
RFS-3	METAL COPING
RT-1	ROOF TYPE 1



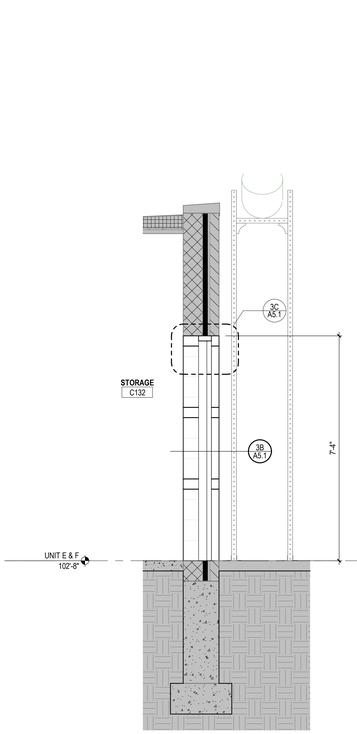
6A WALL SECTION - SMALL ANIMALS
A4.6 Scale: 1/2" = 1'-0"



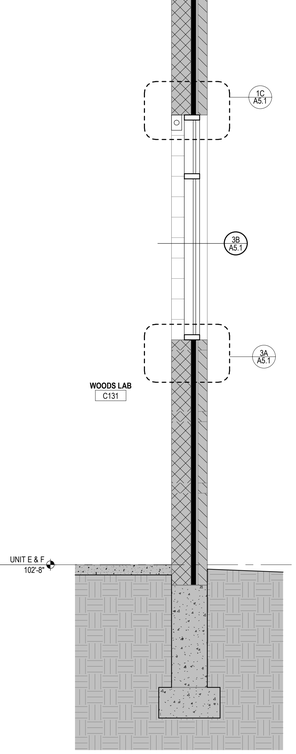
5A WALL SECTION - AG LAB
A4.6 Scale: 1/2" = 1'-0"



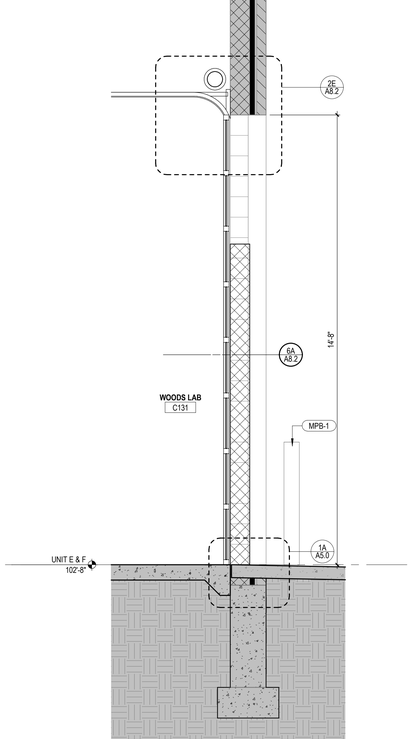
4A WALL SECTION - EXIST - SF
A4.6 Scale: 1/2" = 1'-0"



3A WALL SECTION - EXIT - DOOR
A4.6 Scale: 1/2" = 1'-0"



2A WALL SECTION - EXIST - HI - SF
A4.6 Scale: 1/2" = 1'-0"



1A WALL SECTION - EXIST - OVHD DOOR
A4.6 Scale: 1/2" = 1'-0"

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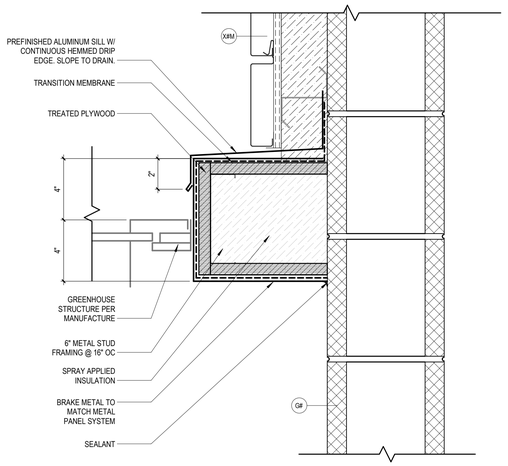
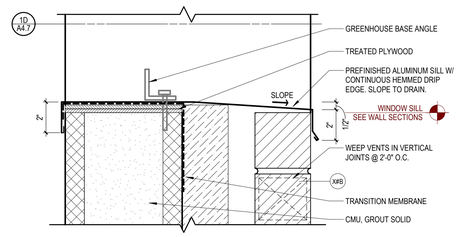
KEYNOTE LEGEND

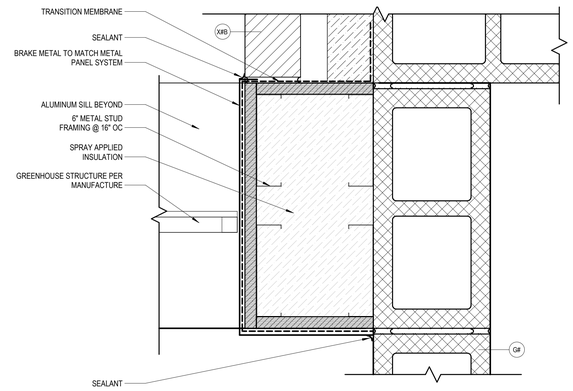
RFS-3	METAL COPING
RT-1	ROOF TYPE 1



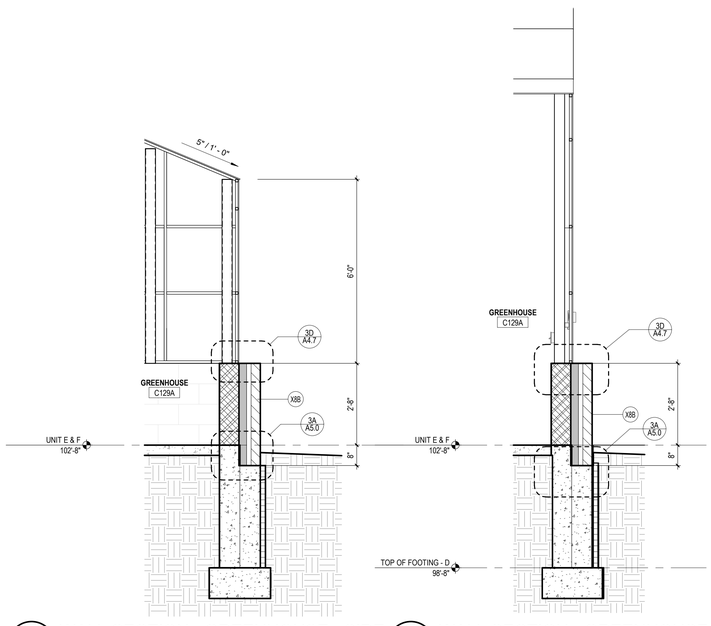
5D A4.7 GREENHOUSE - SECTION DETAIL
Scale: 3" = 1'-0"



3D A4.7 MASONRY - GREENHOUSE SILL
Scale: 3" = 1'-0"

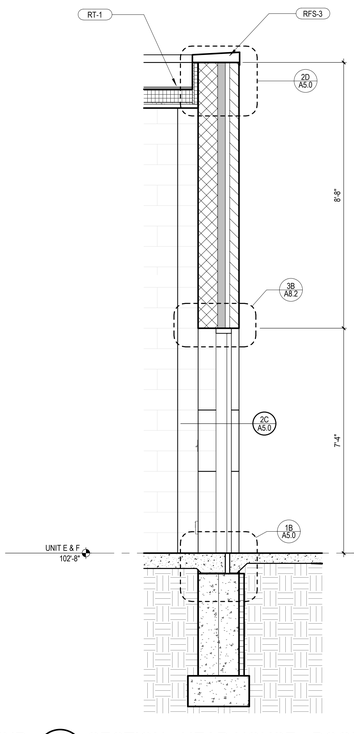


1D A4.7 GREENHOUSE - PLAN DETAIL
Scale: 3" = 1'-0"

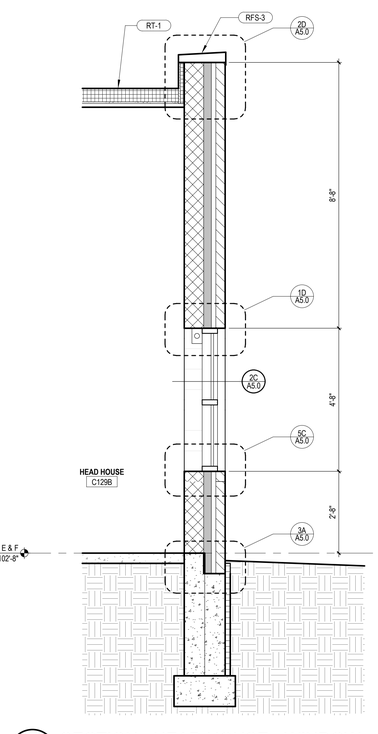


4A A4.7 WALL SECTION - GREENHOUSE - SIDE
Scale: 1/2" = 1'-0"

3A A4.7 WALL SECTION - GREENHOUSE - END
Scale: 1/2" = 1'-0"



2A A4.7 SECTION - HEAD HOUSE - DOOR
Scale: 1/2" = 1'-0"



1A A4.7 SECTION - HEAD HOUSE - WINDOW
Scale: 1/2" = 1'-0"

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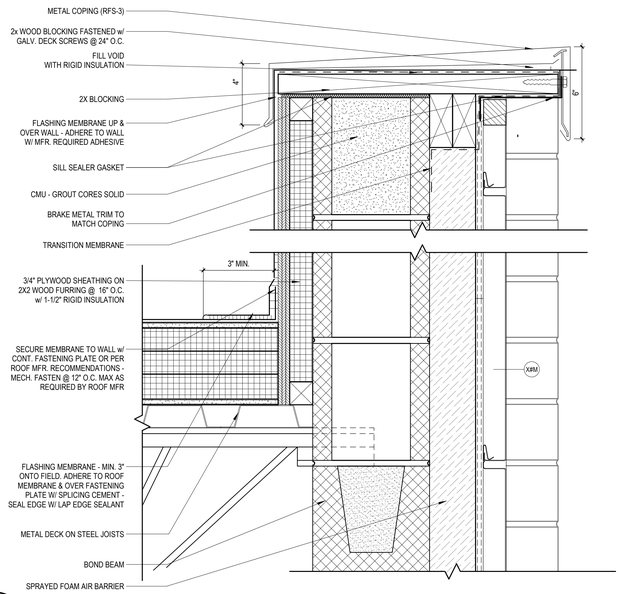
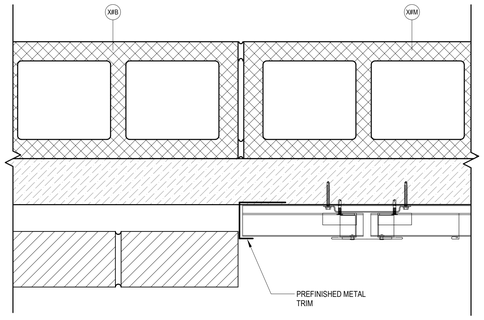
KEYNOTE LEGEND

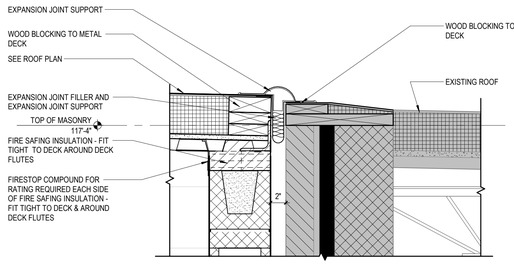
FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET
RFS-3	METAL COPING
RT-1	ROOF TYPE 1



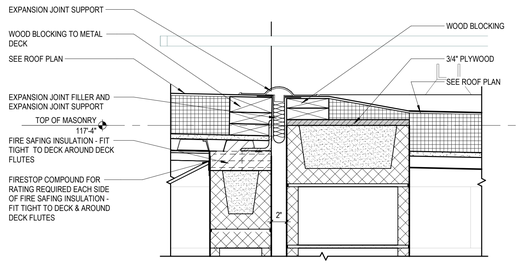
6D A4.8 PARAPET - CMU/ METAL PANEL
Scale: 3" = 1'-0"



5E A4.8 JAMB - CMU / METAL PANEL
Scale: 3" = 1'-0"



5D A4.8 GREENHOUSE ROOF DETAIL - EXISTING
Scale: 1 1/2" = 1'-0"



3D A4.8 GREENHOUSE ROOF DETAIL - NEW
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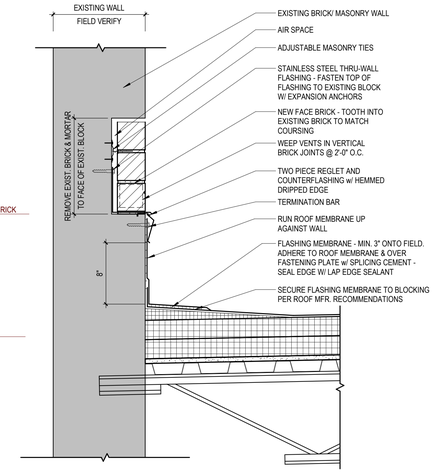
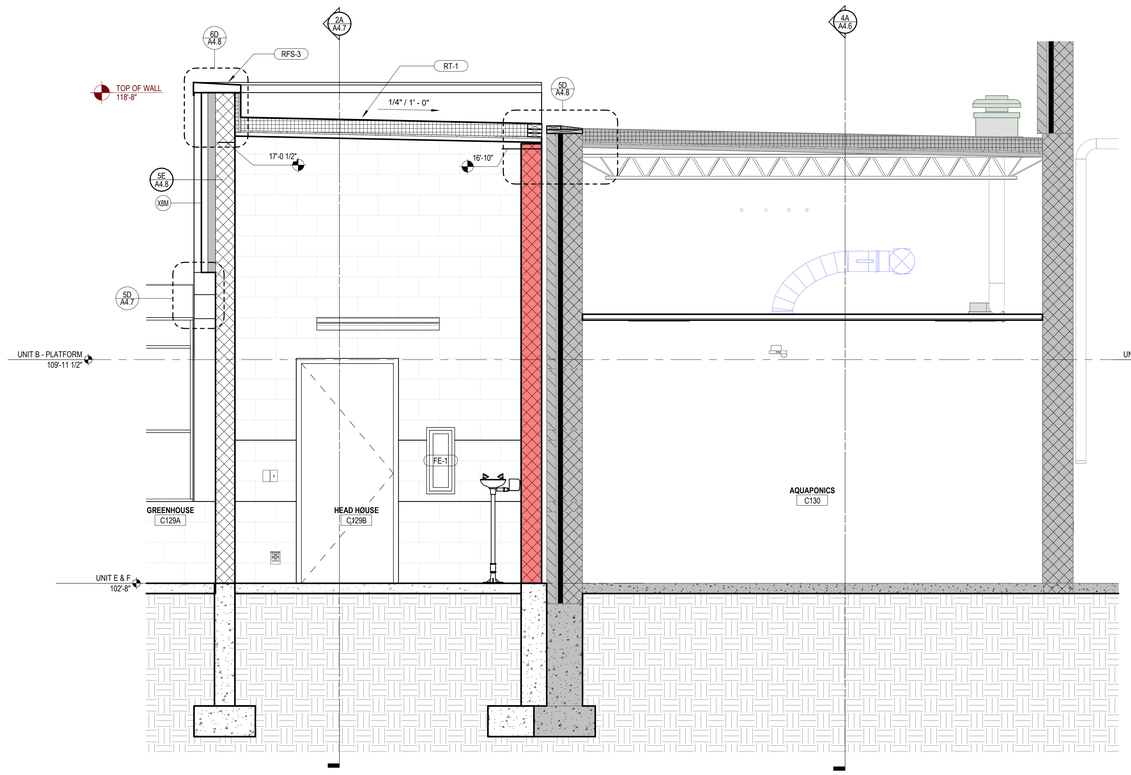
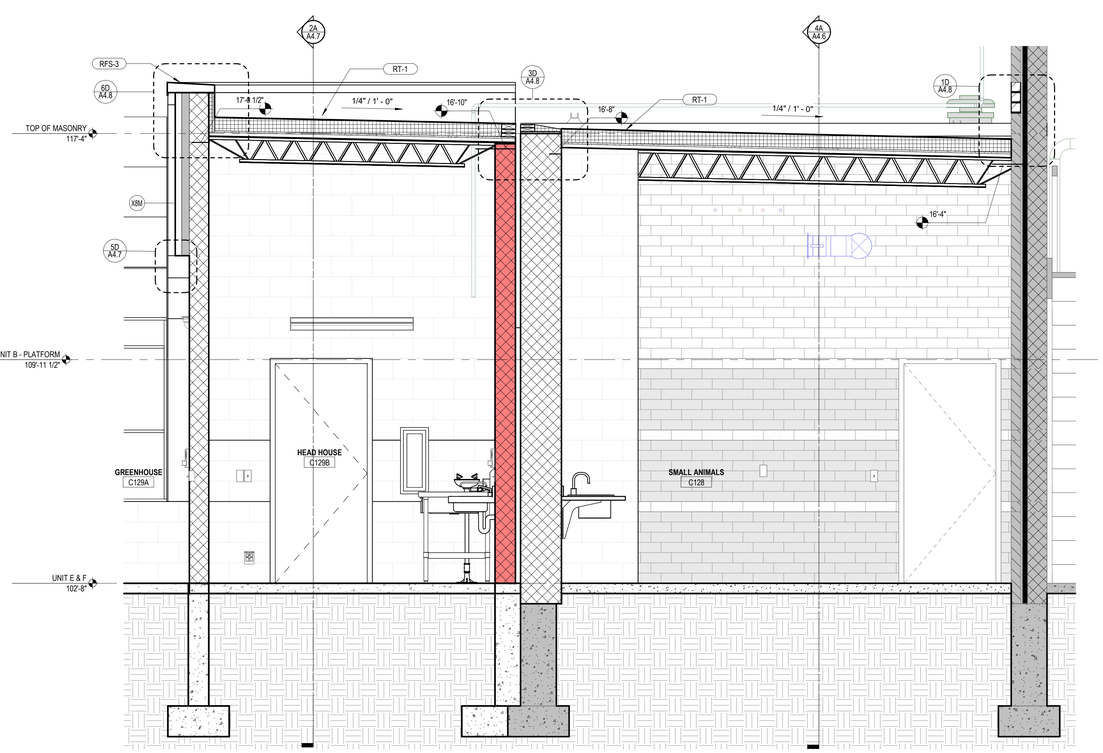


1D A4.8 WALL TO EXIST. WALL EXPANSION JOINT
Scale: 1 1/2" = 1'-0"



5A A4.8 WALL SECTION - GREENHOUSE
Scale: 1/2" = 1'-0"



2A A4.8 WALL SECTION - GREENHOUSE
Scale: 1/2" = 1'-0"

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

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12/19/2025

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Sheet Title:
WALL SECTIONS

Sheet Number:
A4.8

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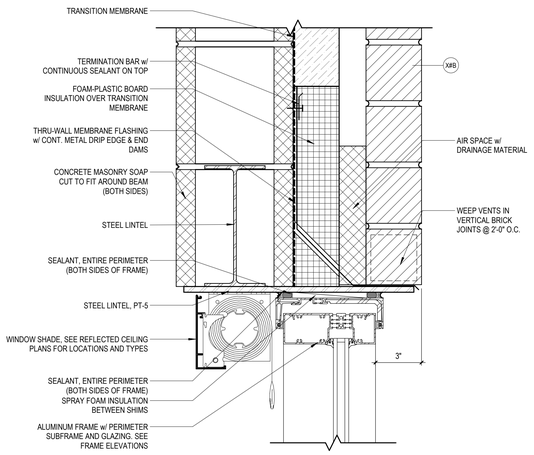
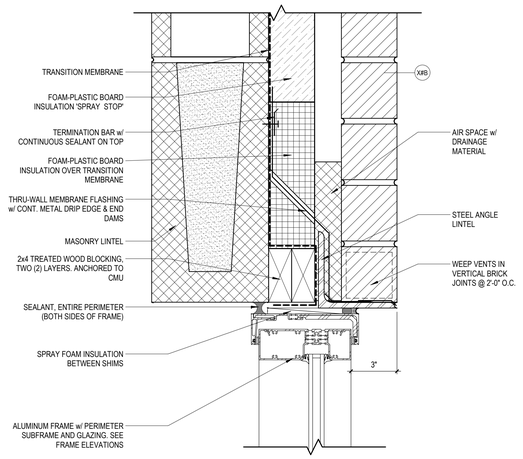
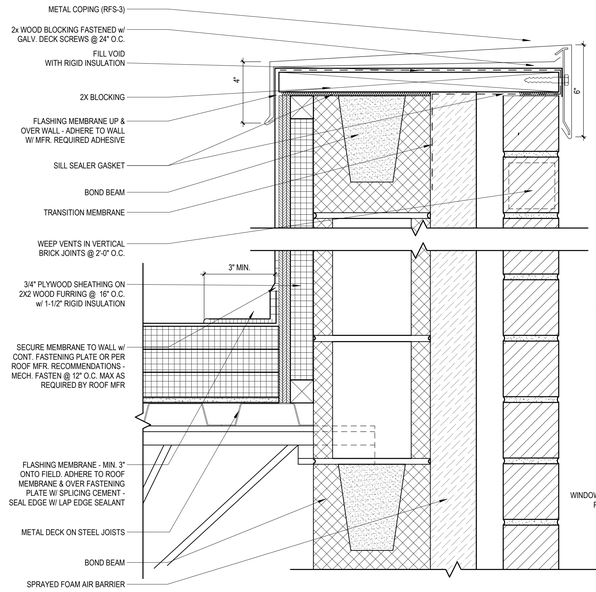
KEYNOTE LEGEND



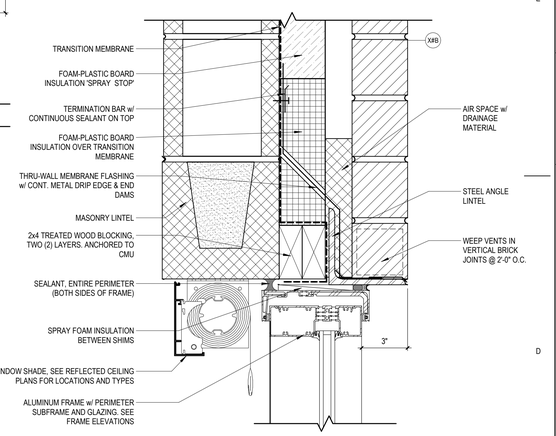
6D SF HEAD - CMU / BRICK - STEEL
A5.0 Scale: 3" = 1'-0"



5D SF HEAD - MASONRY - LARGE OPENING
A5.0 Scale: 3" = 1'-0"



2D PARAPET - CMU/ BRICK
A5.0 Scale: 3" = 1'-0"

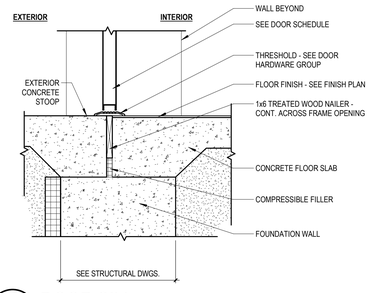


1D SF HEAD - CMU / BRICK - MASONRY
A5.0 Scale: 3" = 1'-0"

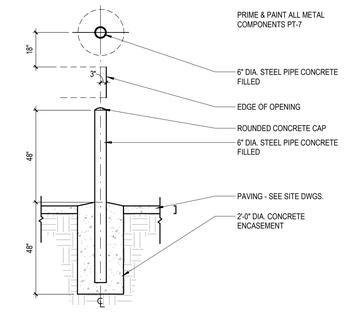
6C MASONRY - SF SILL @ CMU
A5.0 Scale: 3" = 1'-0"

5C MASONRY - SF SILL @ CMU
A5.0 Scale: 3" = 1'-0"

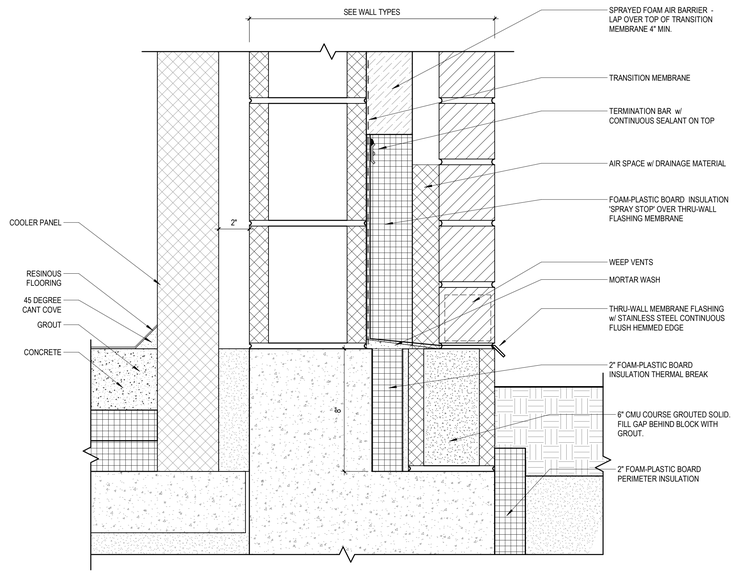
2C SF JAMB - CMU / BRICK
A5.0 Scale: 3" = 1'-0"



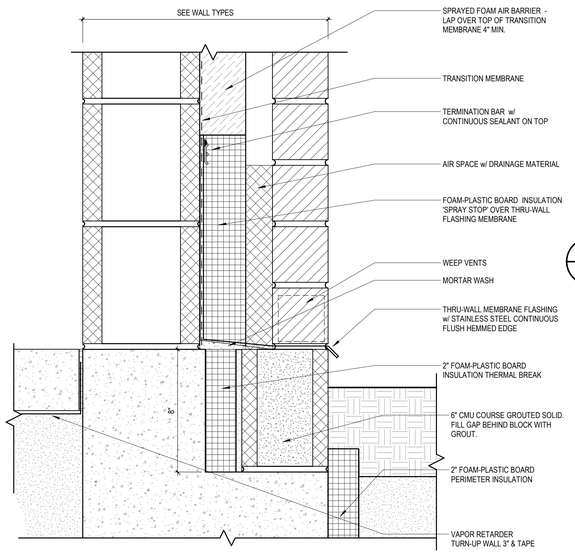
1B DOOR SILL
A5.0 Scale: 1 1/2" = 1'-0"



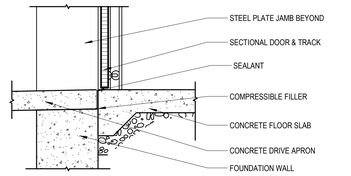
6A GUARD POST (MPB-1)
A5.0 Scale: 3/8" = 1'-0"



5A BASE OF WALL - FREEZER
A5.0 Scale: 3" = 1'-0"



3A BASE OF WALL - CMU BRICK
A5.0 Scale: 3" = 1'-0"



1A OVERHEAD DOOR SILL
A5.0 Scale: 3/4" = 1'-0"

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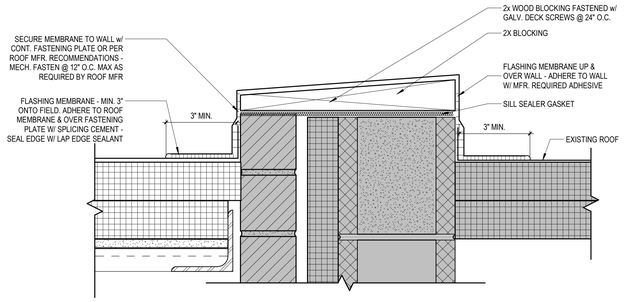
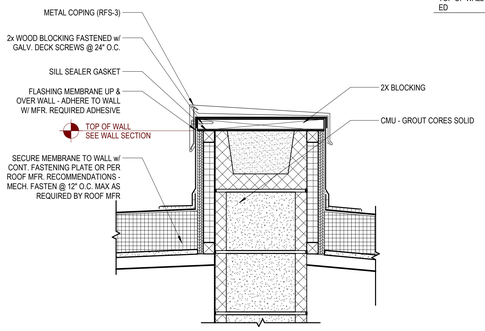
KEYNOTE LEGEND

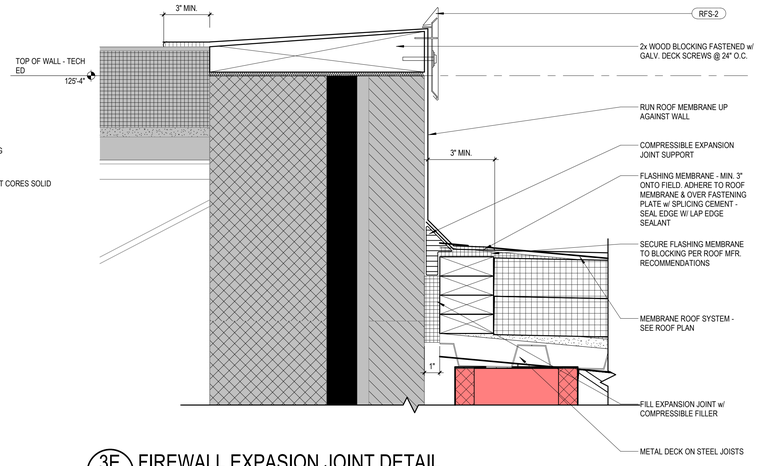
RFS-2	ROOF EDGE FASCIA



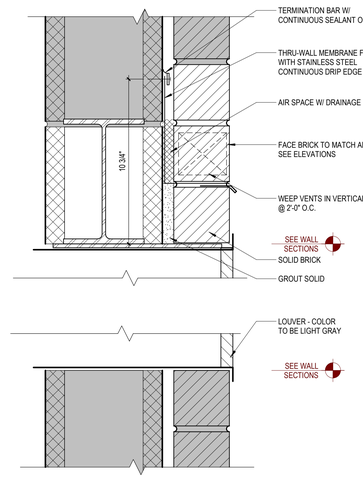
6E PARAPET - CMU/ BRICK - NEW/EXIST
A5.1 Scale: 3" = 1'-0"



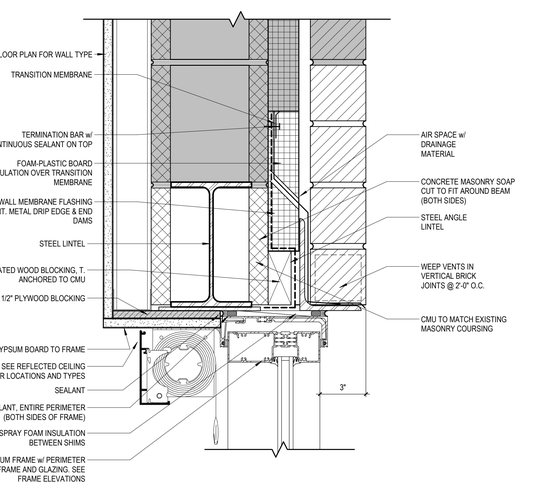
4E SECTION DETAIL - ROOF TRANSITION
A5.1 Scale: 1 1/2" = 1'-0"



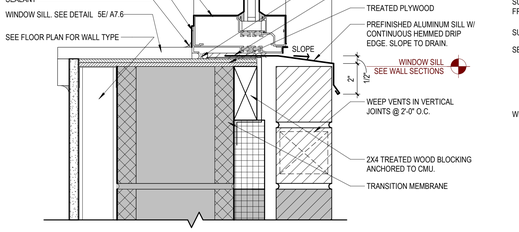
3E FIREWALL EXPASION JOINT DETAIL
A5.1 Scale: 3" = 1'-0"



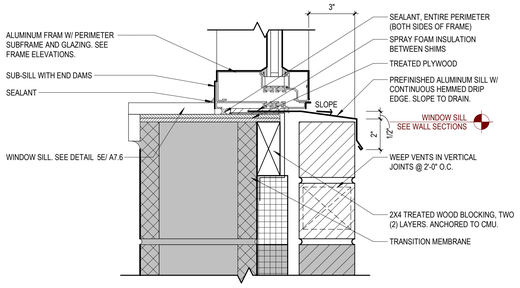
1D MASONRY - LOUVER @ CMU - EXIST
A5.1 Scale: 3" = 1'-0"



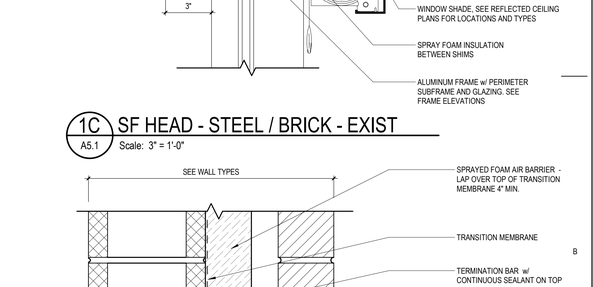
6A SF HEAD - CMU / BRICK / GYP- EXIST
A5.1 Scale: 3" = 1'-0"



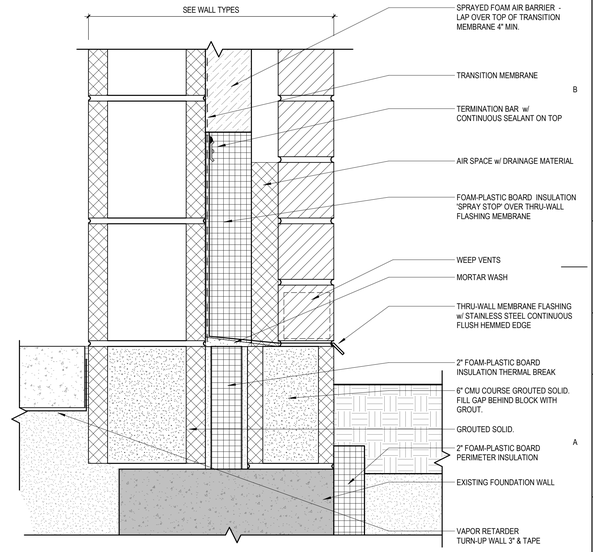
5A SF SILL @ CMU/GYP - EXIST
A5.1 Scale: 3" = 1'-0"



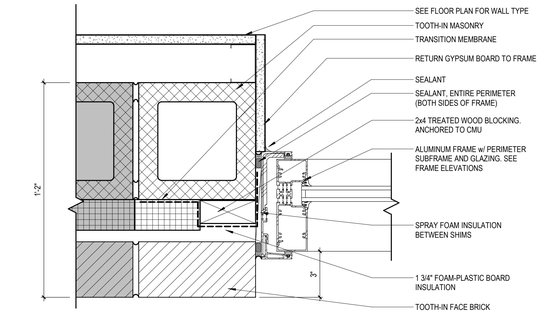
3A MASONRY - SF SILL @ CMU - EXIST
A5.1 Scale: 3" = 1'-0"



1C SF HEAD - STEEL / BRICK - EXIST
A5.1 Scale: 3" = 1'-0"



1A BASE OF WALL - CMU BRICK - EXIST
A5.1 Scale: 3" = 1'-0"



5B SF JAMB - CMU / BRICK / GYP - EXIST
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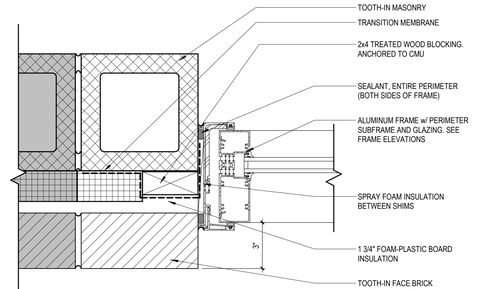
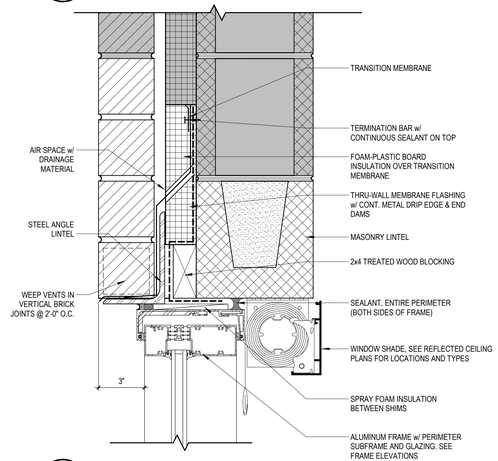
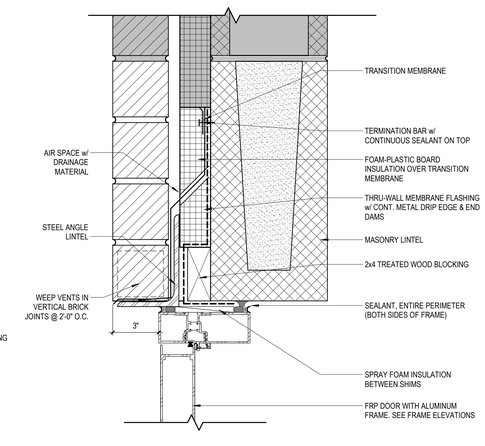


3B SF JAMB - CMU / BRICK - EXIST
A5.1 Scale: 3" = 1'-0"

4C SF HEAD - CMU / BRICK - EXIST
A5.1 Scale: 3" = 1'-0"



3C DOOR HEAD - CMU / BRICK - EXIST
A5.1 Scale: 3" = 1'-0"



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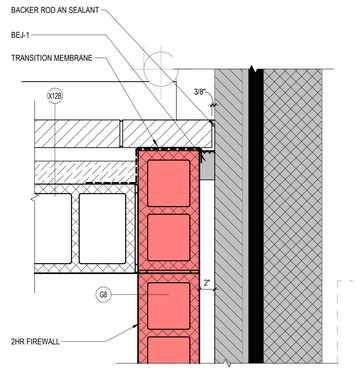
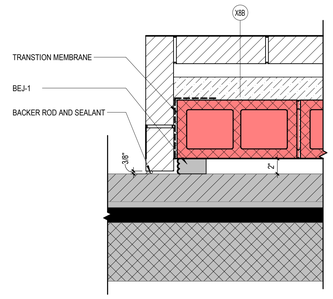
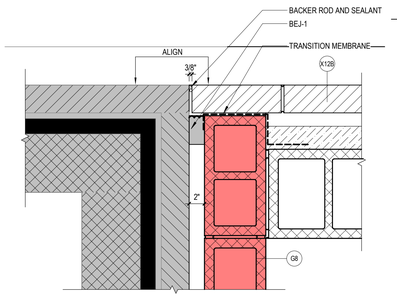
KEYNOTE LEGEND



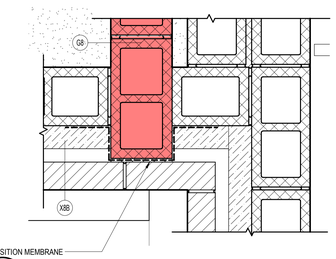
2B A5.3 DETAIL - GREENHOUSE - NEW/EXIST
Scale: 1 1/2" = 1'-0"



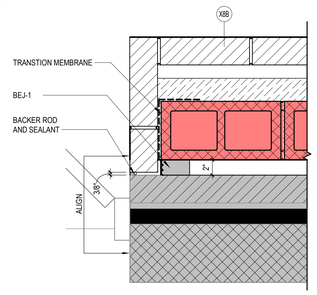
3B A5.3 DETAIL - FW - ENTRANCE
Scale: 1 1/2" = 1'-0"



1B A5.3 DETAIL - FW - TECH ED
Scale: 1 1/2" = 1'-0"



2A A5.3 DETAIL - FW - GREENHOUSE - NEW
Scale: 1 1/2" = 1'-0"



3A A5.3 DETAIL - FW - ENTRANCE - DOOR
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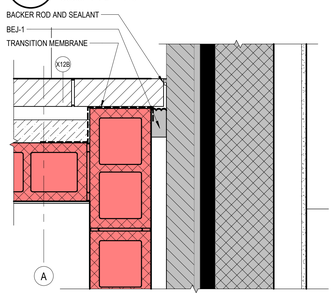

1A A5.3 PLAN DETAIL - FW - WALL
Scale: 1 1/2" = 1'-0"

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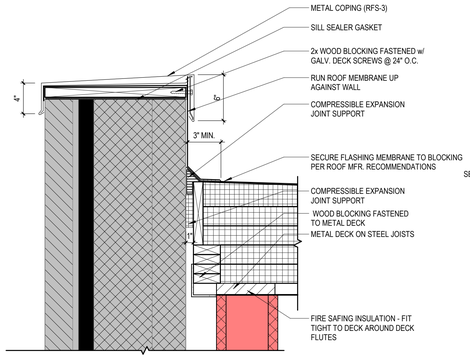
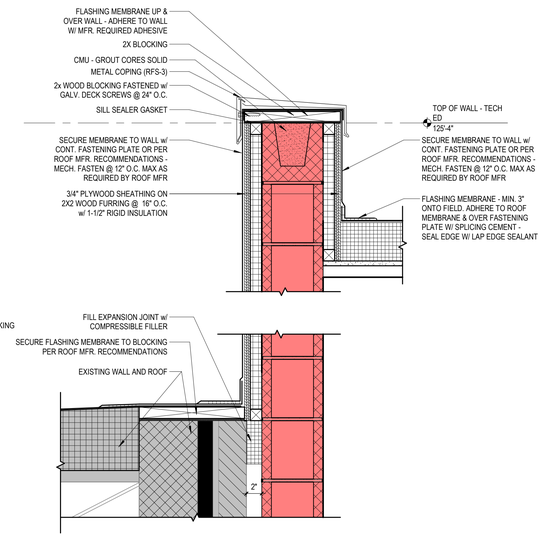
KEYNOTE LEGEND

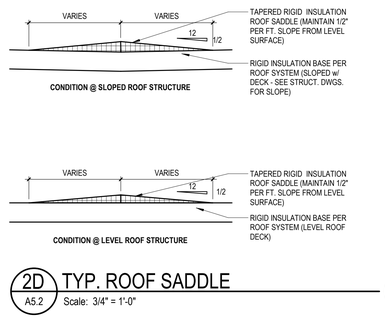
RFS-2	ROOF EDGE FASCIA



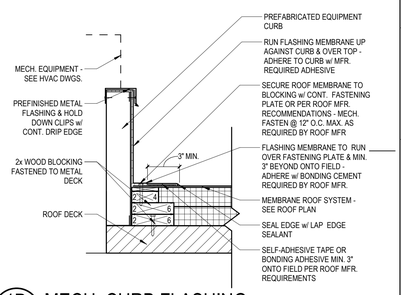
5C A5.2 FIREWALL TOP WALL DETAIL
Scale: 1 1/2" = 1'-0"



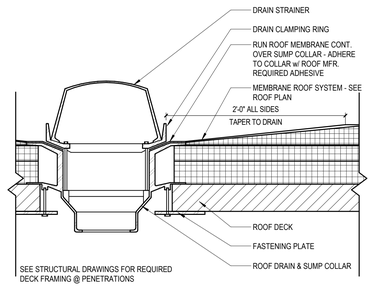
4C A5.2 FIREWALL TOP WALL DETAIL - ROOF TRANSITION
Scale: 1 1/2" = 1'-0"



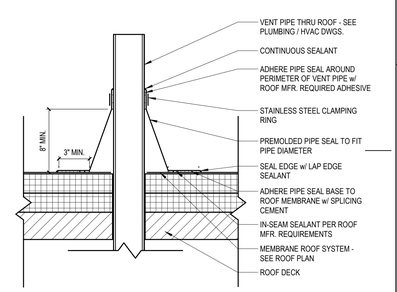
2D A5.2 TYP. ROOF SADDLE
Scale: 3/4" = 1'-0"



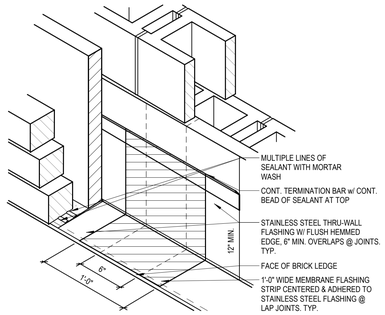
1D A5.2 MECH. CURB FLASHING
Scale: 1 1/2" = 1'-0"



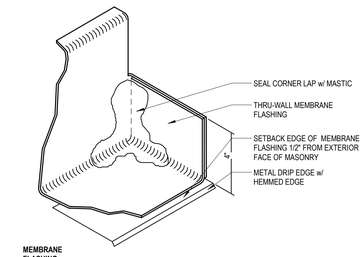
2C A5.2 TYPICAL ROOF DRAIN
Scale: 1 1/2" = 1'-0"



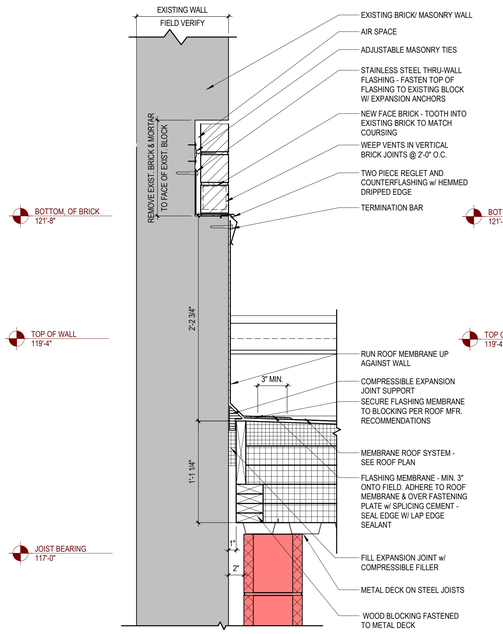
1C A5.2 VENT PIPE FLASHING
Scale: 1 1/2" = 1'-0"



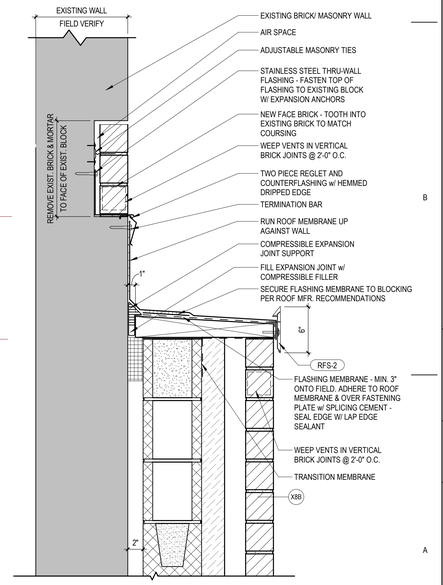
4B A5.2 STAINLESS STEEL THRU-WALL FLASHING JOINT
Scale: 1 1/2" = 1'-0"



4A A5.2 THRU-WALL FLASHING END DAM
Scale: 3" = 1'-0"



2A A5.2 ROOF TO EXIST. EXPANSION JOINT
Scale: 1 1/2" = 1'-0"



1A A5.2 WALL TO EXIST. EXPANSION JOINT
Scale: 1 1/2" = 1'-0"

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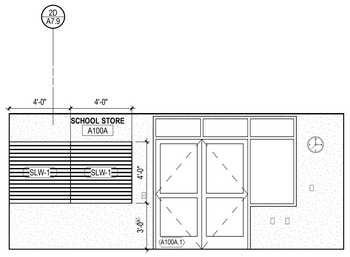
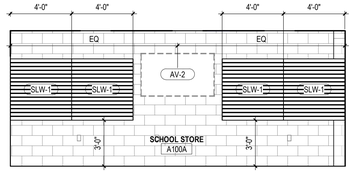
KEYNOTE LEGEND

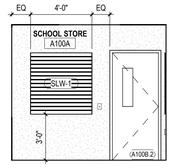
AV-2	60" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
BN-1A	WOOD BENCH - ACCESSIBLE
CH-1	DOUBLE COAT HOOK
LKR-1	LOCKERS - KNOCK-DOWN
PLAM-2	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
SLW-1	SLAT WALL
SSF-2	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
TA-1	TOILET TISSUE DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-2	SANITARY NAPKIN DISPOSAL UNIT - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-4	SOAP DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-6	GRAB BAR SET (42", 36" AND 18")
TA-9	PAPER TOWEL DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-12	MIRROR UNIT (24" X 36")



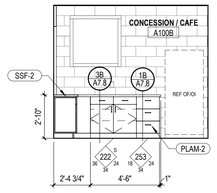
4D INTERIOR ELEVATION
A6.0 Scale: 1/4" = 1'-0"



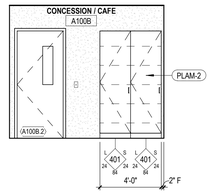
2D INTERIOR ELEVATION
A6.0 Scale: 1/4" = 1'-0"



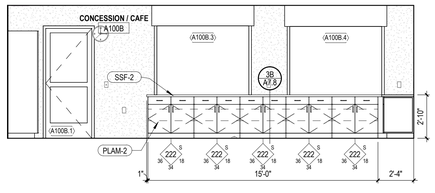
1D INTERIOR ELEVATION
A6.0 Scale: 1/4" = 1'-0"



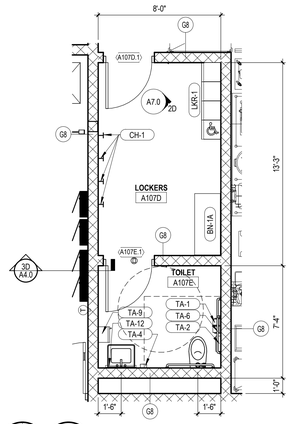
3C INTERIOR ELEVATION
A6.0 Scale: 1/4" = 1'-0"



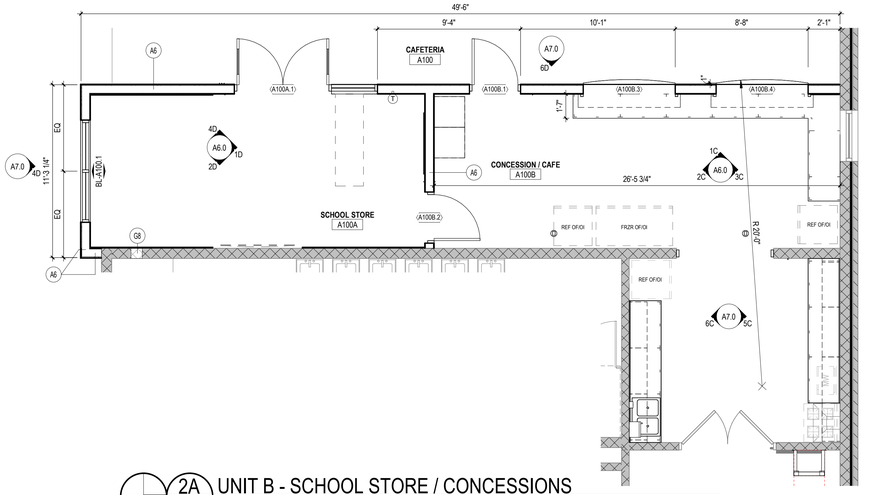
2C INTERIOR ELEVATION
A6.0 Scale: 1/4" = 1'-0"



1C INTERIOR ELEVATION
A6.0 Scale: 1/4" = 1'-0"



4A UNIT B - TOILET A107E
A6.0 Scale: 1/4" = 1'-0"



2A UNIT B - SCHOOL STORE / CONCESSIONS
A6.0 Scale: 1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

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ENLARGED PLANS

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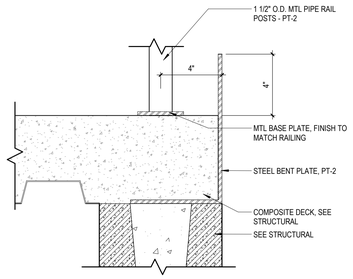
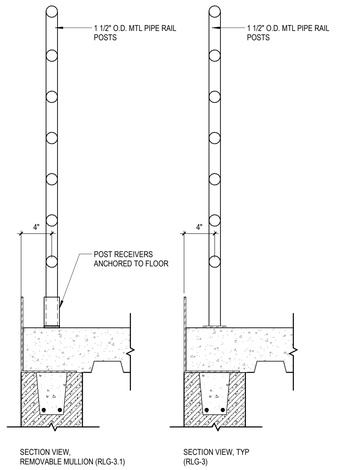
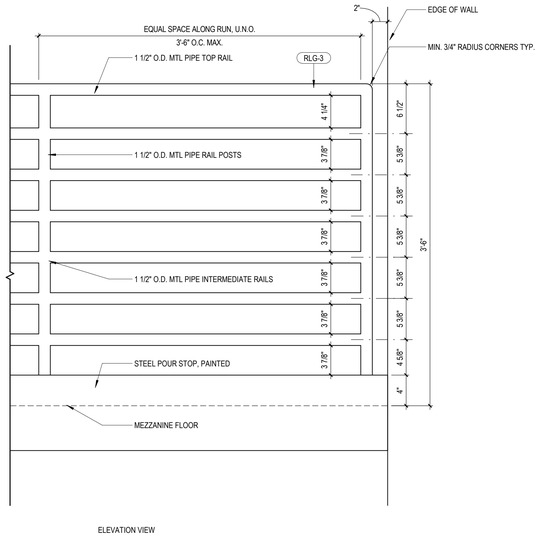
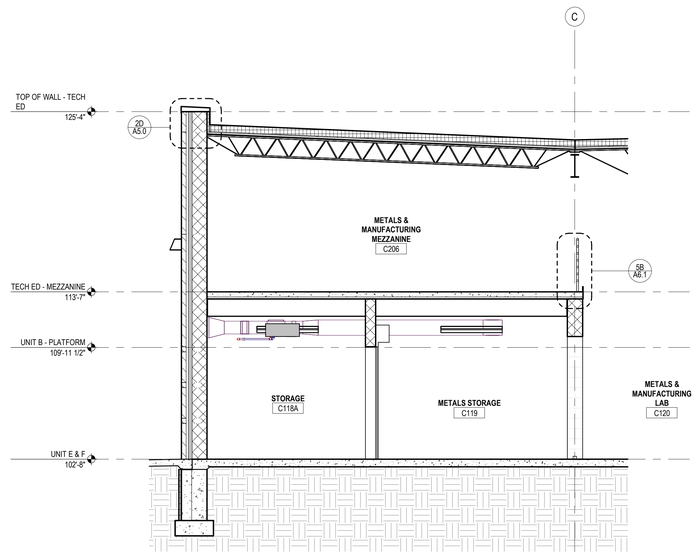
KEYNOTE LEGEND

PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
RLG-1	PIPE METAL HANDRAIL - WALL MOUNTED
RLG-3	PIPE AND TUBE METAL HANDRAIL - MEZZANINE





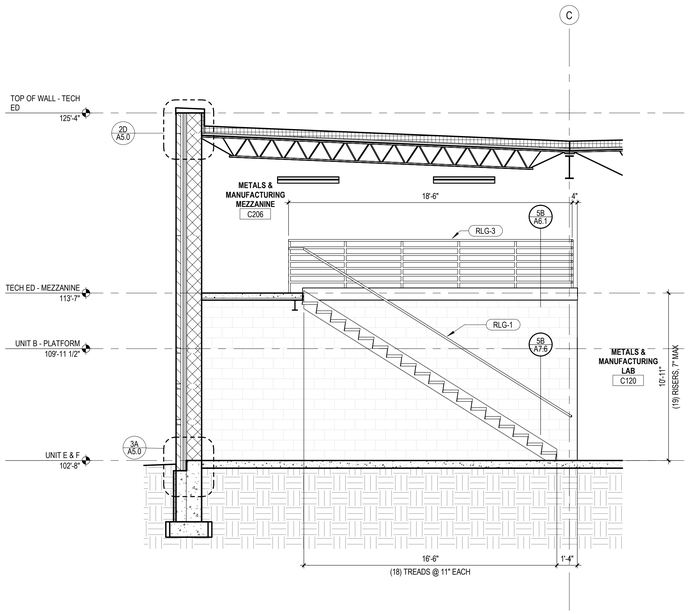


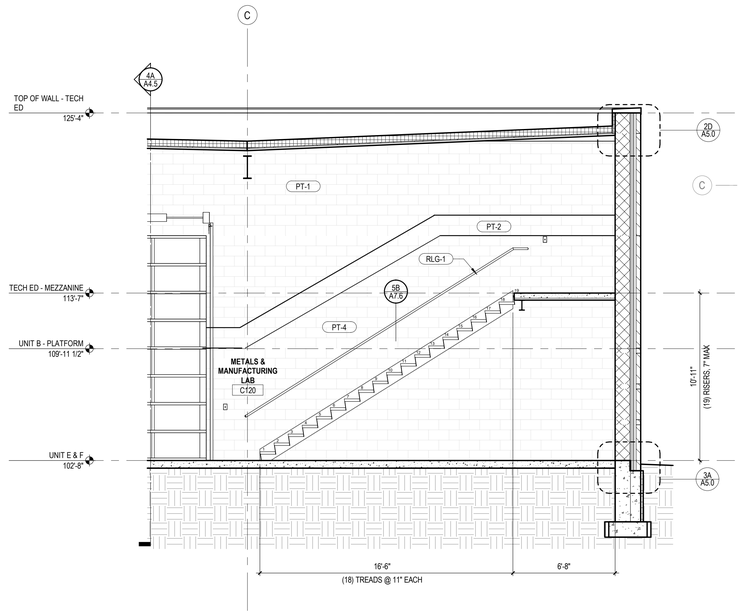


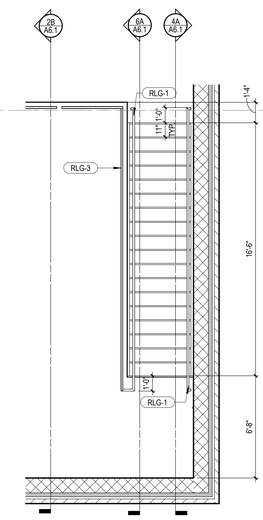
6B RAILING BASE DETAIL - TECH ED
A6.1 Scale: 3" = 1'-0"

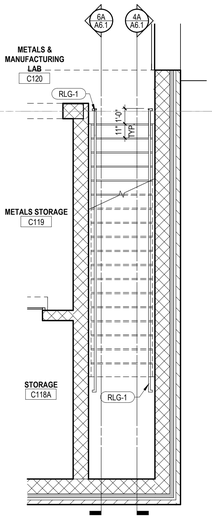
5B RAILING DETAIL - TECH ED
A6.1 Scale: 1 1/2" = 1'-0"

2B UNIT F - STAIR SECTION
A6.1 Scale: 1/4" = 1'-0"









6A UNIT F - STAIR SECTION1
A6.1 Scale: 1/4" = 1'-0"

4A UNIT F - STAIR SECTION
A6.1 Scale: 1/4" = 1'-0"

2A UNIT F - STAIR PLAN - MEZZANINE
A6.1 Scale: 1/4" = 1'-0"

1A UNIT F - STAIR
A6.1 Scale: 1/4" = 1'-0"

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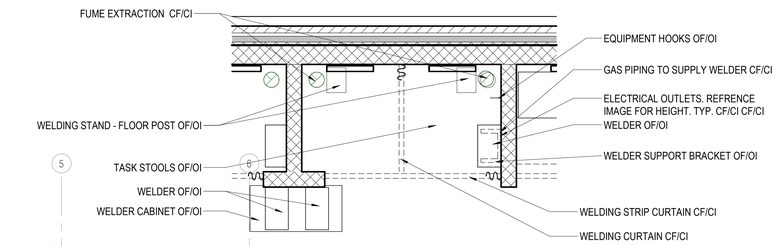
WELDING BOOTH LAYOUT EXAMPLE



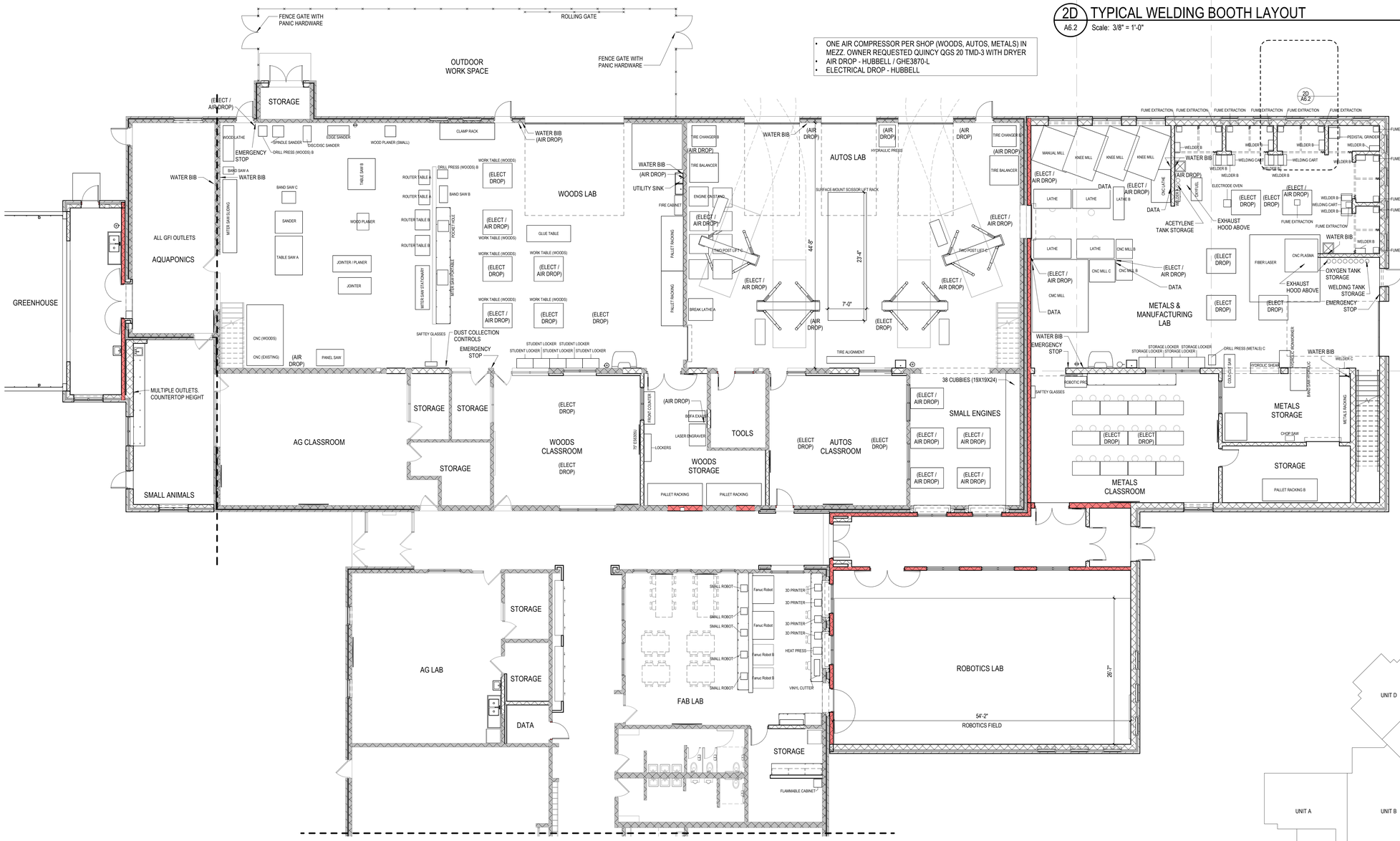
FUME EXTRACTION CF/CI
EQUIPMENT HOOKS OF/OI
GAS PIPING TO SUPPLY WELDER CF/CI
WELDING STAND - FLOOR POST OF/OI
ELECTRICAL OUTLETS. REFRENCE IMAGE FOR HEIGHT. TYP. CF/CI CF/CI
WELDER OF/OI
TASK STOOLS OF/OI
WELDER SUPPORT BRACKET OF/OI
WELDING CURTAIN CF/CI
WELDER TABLE OF/OI



2D TYPICAL WELDING BOOTH LAYOUT

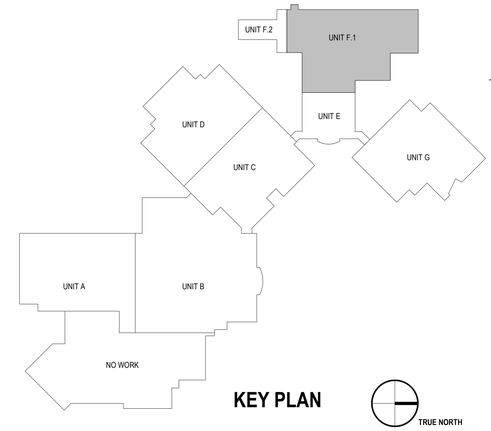
A6.2 Scale: 3/8" = 1'-0"

- ONE AIR COMPRESSOR PER SHOP (WOODS, AUTOS, METALS) IN MEZZ. OWNER REQUESTED QUINCY QGS 20 TMD-3 WITH DRYER
- AIR DROP - HUBBELL / GHE3870-L
- ELECTRICAL DROP - HUBBELL



6A UNIT F - FIRST FLOOR EQUIPMENT PLAN

A6.2 Scale: 1/8" = 1'-0"



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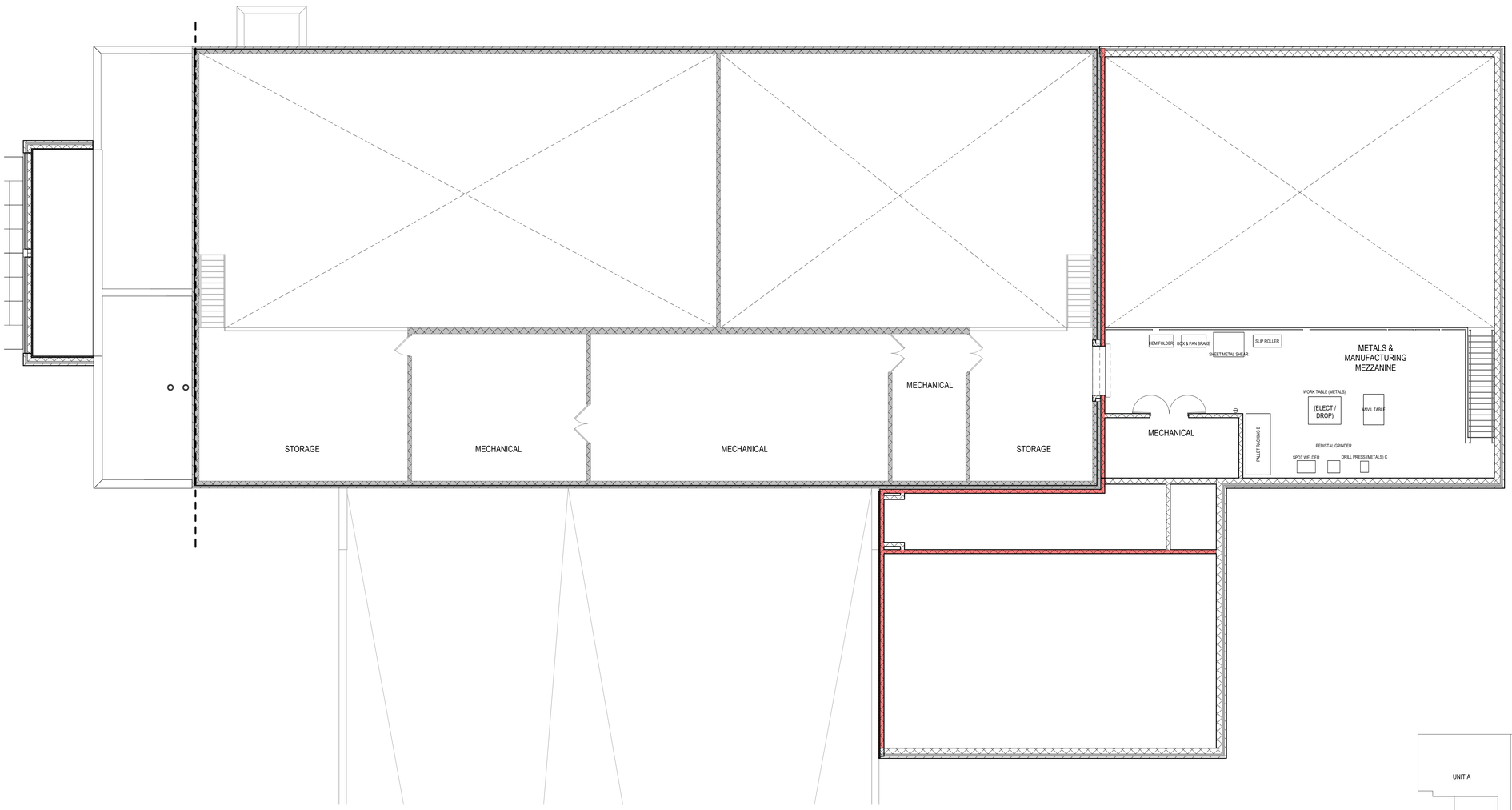
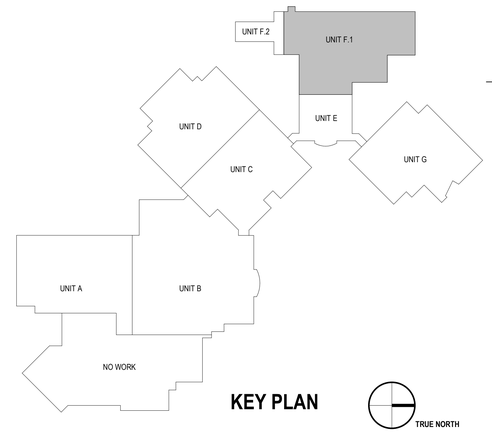


UNIT F - MEZZANINE EQUIPMENT PLAN



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UNIT F- MEZZANINE EQUIPMENT PLAN

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EQUIPMENT LIST - WOODS

Type	Electrical Load	Air Load	Manufacturer	Model	Comments
EXISTING					
CNC (EXISTING)	220V / 50-60Hz / 10A	MIN 300 CFM	POWERMATIC	PM-2x4SP	NEEDS TO BE FIXED, MIGHT BE REPLACED - CONF. LOCATION
WOOD LATHE	220V 1Ph, 60Hz		GRIZZLY	G0766	
JOINTER	220V, 20A, 3Ph		DELTA/ROCKWELL		
BAND SAW A	110V, 9A	-	CENTRAL MACHINERY	T32208	
TABLE SAW A	220V, 13A, 1Ph, 60Hz		SAWSTOP	PCS31230	
MITER SAW SLIDING	120V / 60Hz / 15A		MAKITA	LS1019L	
DISC/DISC SANDER	110V / 60Hz		SHOP FOX	W1712	
DRILL PRESS (WOODS) B	110V		POWERMATIC	PM9-1792800B	
BAND SAW B	110V, 9A, 1Ph		DELTA ROCKWELL	62-142	
MITER SAW STATIONARY	120V / 60Hz / 15A		DEWALT	DWS715	
ROUTER TABLE A	120V, 60A, 60Hz		SKIL	SRT1039	
ROUTER TABLE A	120V, 60A, 60Hz		SKIL	SRT1039	
TABLE SAW B	110V, 14A , 1Ph		SAWSTOP	CNC175	
WOOD PLANER (SMALL)	110V	N/A	DEWALT		
PANEL SAW	110V	N/A	SAFETY SPEED	6480-20C	
SPINDLE SANDER	120V, 20A		MAX		
LASER ENGRAVER	110V	BOFA	UNIVERSAL	VLS 660	
BAND SAW C	110V, 14A, 1Ph		LAGUNA	MBAND 1412-175	
WORK TABLE (WOODS)	N/A	N/A			
WORK TABLE (WOODS)	N/A	N/A			
WORK TABLE (WOODS)	N/A	N/A			
WORK TABLE (WOODS)	N/A	N/A			
CLAMP RACK	N/A	N/A			
GLUE TABLE	N/A	N/A			
SAFTEY GLASSES	N/A	N/A	UNKNOWN		
LOCKERS	N/A	N/A	UNKNOWN		
BOFA EXAUST	115V	BOFA	BOFA	AD1000 IQ	
SAFTEY GLASSES	N/A	N/A	UNKNOWN		
FUTURE					
SANDER	230V, 1Ps	N/A	TIMESAVER SPEED SANDER	S311-13-1S	
EDGE SANDER	110V / 220V	N/A	GRIZZLY	G1140	
NEW					
WOOD PLANER	TEFC, 5HP, 1Ph, 230V	N/A	POWERMATIC	209HH	
WORK TABLE (WOODS)	N/A	N/A			
WORK TABLE (WOODS)	N/A	N/A			
DRILL PRESS (WOODS) B	110V		POWERMATIC	PM9-1792800B	
PALLET RACKING	N/A	N/A			
PALLET RACKING	N/A	N/A			
ROUTER TABLE B	110V	N/A	GRIZZLY	T28780	
ROUTER TABLE B	110V	N/A	GRIZZLY	T28780	
MITER SAW PORTABLE	110V	N/A	DEWALT	DWS779	
POCKET HOLE	110V	N/A	CASTLE	TSM-12	
PALLET RACKING	N/A	N/A			
PALLET RACKING	N/A	N/A			
STUDENT LOCKER	N/A	N/A	MIDWEST TECHNOLOGY PRODUCTS	MONTISA LEARNING	
STUDENT LOCKER	N/A	N/A	MIDWEST TECHNOLOGY PRODUCTS	MONTISA LEARNING	
STUDENT LOCKER	N/A	N/A	MIDWEST TECHNOLOGY PRODUCTS	MONTISA LEARNING	
STUDENT LOCKER	N/A	N/A	MIDWEST TECHNOLOGY PRODUCTS	MONTISA LEARNING	
STUDENT LOCKER	N/A	N/A	MIDWEST TECHNOLOGY PRODUCTS	MONTISA LEARNING	

EQUIPMENT LIST - AUTOS

Type	Electrical Load	Air Load	Manufacturer	Model	Comments
EXISTING					
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
ENGINE ON STAND	N/A	N/A	N/A	N/A	
HYDRAULIC PRESS	N/A	N/A	CENTRAL MACHINES 352351803	352351803	
NEW					
BREAK LATHE A	115/230 V, 15/7.5amp, 50/60 Hz, 1ph	N/A	HUNTER	BL SERIES BENCH LATHE	
SURFACE-MOUNT SCISSOR LIFT RACK	208-230 VAC, SINGLE PHASE, 26 amp	130-150 PSI	HUNTER	WA674	
TIRE ALIGNMENT	208-230 VAC, SINGLE PHASE, 26 amp	130-150 PSI	HUNTER	WA674	
TIRE BALANCER	196-253V, 10 amp, 50/60 Hz		HUNTER	ROADFORCE ELITE	
TIRE BALANCER	196-253V, 10 amp, 50/60 Hz		HUNTER	ROADFORCE ELITE	
TIRE CHANGER B	208-230 VAC, 60Hz, 14A, 1 Ph		HUNTER	MAVERICK ELITE	
TIRE CHANGER B	208-230 VAC, 60Hz, 14A, 1 Ph		HUNTER	MAVERICK ELITE	
TOOL CABINET	N/A	N/A	1 U.S. GENERAL	ROLL CAB SERIES 3	
TOOL CABINET	N/A	N/A	1 U.S. GENERAL	ROLL CAB SERIES 3	
TOOL CABINET	N/A	N/A	1 U.S. GENERAL	ROLL CAB SERIES 3	
TOOL CABINET	N/A	N/A	1 U.S. GENERAL	ROLL CAB SERIES 3	
TWO POST LIFT C	208-230V, 60Hz, 1Ph		CHALLENGER	VEL10 VERSYMMETRIC	
TWO POST LIFT C	208-230V, 60Hz, 1Ph		CHALLENGER	VEL10 VERSYMMETRIC	

EQUIPMENT LIST - METALS & MANUFACTURING

Type	Electrical Load	Air Load	Manufacturer	Model	Comments
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
EXISTING					
LATHE	208V / 3Ph / 44A / 60Hz - SECONDARY 110V	CONF.	TRAK MACHINE	TRAK 1630RX	DATA
WORK TABLE (METALS)	N/A	N/A			
WORK TABLE (METALS)	N/A	N/A			
WORK TABLE (METALS)	N/A	N/A			
STORAGE LOCKER	N/A	N/A	N/A	N/A	
STORAGE LOCKER	N/A	N/A	N/A	N/A	
STORAGE LOCKER	N/A	N/A	N/A	N/A	
STORAGE LOCKER	N/A	N/A	N/A	N/A	
WELDER A	230V / 1Ph	CONF.	MILLER	SPECTRUM 625	
CNC PLASMA	115V / 15A	CONF.	SHOPSABRE	SIDEKICK 4 PLASMA SYSTEM	
LATHE B	220V / 1Ph		GRIZZLY	G0750G	
DRILL PRESS (METALS) C	110V		POWERMATIC	PM9-1792800B	
COLD CUT SAW	120V / 15A		EVOSAW	380	
CHOP SAW	120V		MAKITA	LW1401	
METALS RACKING	N/A	N/A			
WELDER C	220V		MILLER	212 AUTOSET	
HYDROLIC SHEAR	120V		NATIONAL	NHS210	
ANVIL TABLE	N/A	N/A			
SHEET METAL SHEAR	N/A	N/A	PEXTO	--	
BOX & PAN BRAKE	N/A	N/A	PEXTO	173	
SPOT WELDER	230V		MILLER	HG-1	
PEDISTAL GRINDER	115V / 230V		DAYTON	38UK60	
PEDISTAL GRINDER	115V / 230V		DAYTON	38UK60	
FUTURE					
FIBER LASER	CONF.	CONF.	SHOPSABRE	FIBERSABRE 408	Wire/run duct and air for this machine. This is a future machine we would purchase to replace the CNC Plasma
CNC MILL C	115V / 15A	CONF.	TORMACH	PCNC 770M	
CNC LATHE	230V - SECONDARY 115V	CONF.	TORMACH	15L SLANT PRO	
NEW					
CMC MILL	208V / 3Ph / 68A / 60Hz - SECONDARY POWER 110V	CONF.	SOUTHWEST INDUSTRIES / TRAK MACHINE	TRAK TMC5	
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
LATHE	208V / 3Ph / 44A / 60Hz - SECONDARY 110V	CONF.	TRAK MACHINE	TRAK 1630RX	DATA
LATHE	208V / 3Ph / 44A / 60Hz - SECONDARY 110V	CONF.	TRAK MACHINE	TRAK 1630RX	DATA
LATHE	208V / 3Ph / 44A / 60Hz - SECONDARY 110V	CONF.	TRAK MACHINE	TRAK 1630RX	DATA
KNEE MILL	208V / 3Ph - SECONDARY 110V	CONF.	SOUTHWEST INDUSTRIES		
KNEE MILL	208V / 3Ph - SECONDARY 110V	CONF.	SOUTHWEST INDUSTRIES		
KNEE MILL	208V / 3Ph - SECONDARY 110V	CONF.	SOUTHWEST INDUSTRIES		
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
WELDER B	240V / 1Ph		MILLER	AC/DC 220	Outside welders mounted to walls - Need two gas lines w/ regulators for each (75% Argon/25% CO2 and 100% Argon)
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
FUME EXTRACTION	N/A	CONF.	LINCOLN ELECTRIC	PRISM EXTRACTOR ARM	OPTION 3 IN GOOGLE SHEET
WORK TABLE (METALS)	N/A	N/A			
WORK TABLE (METALS)	N/A	N/A			
ELECTRODE OVEN	230V / 1Ph	CONF.	DRYROD	1205520	Place plug and air drop in this location for plasma cutting
CNC MILL B	115V / 15A		TORMACH	PCNC440	
CNC MILL B	115V / 15A		TORMACH	PCNC440	
HYDROLIC IRONWORKER	120V	-	METAL PRO	MP4500FS	
BAND SAW HYDROLIC	115V / 15A		TORMACH	AF50+	
ROBOTIC PRO	120V		TORMACH	xsTECH PRO WITH ROBOT	
PALLET RACKING B	N/A	N/A			
WORK TABLE (METALS)	N/A	N/A			
DRILL PRESS (METALS) C	110V		POWERMATIC	PM9-1792800B	
PALLET RACKING B	N/A	N/A			
SLIP ROLLER	N/A		BALEIGH	BA9-1007348	

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
EQUIPMENT SCHEDULE

Sheet Number:
A6.5

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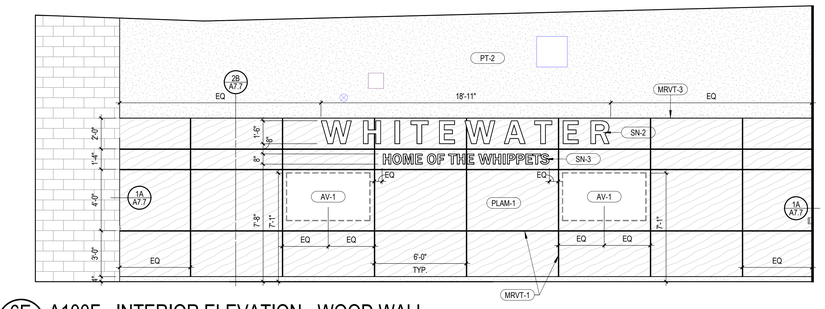
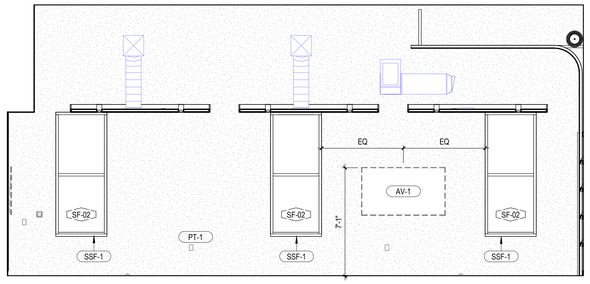


6E A100F - INTERIOR ELEVATION - WOOD WALL

A7.0 Scale: 1/4" = 1'-0"



4E A100F - INTERIOR ELEVATION

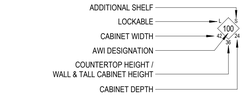
A7.0 Scale: 1/4" = 1'-0"

KEYNOTE LEGEND

AV-1	75" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-2	60" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-3	55" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-5	INTERACTIVE DISPLAY MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-8	PROJECTION SCREEN - FURNISHED AND INSTALLED BY OWNER
BN-1A	WOOD BENCH - ACCESSIBLE
CBR-2	COUNTERTOP BRACKET (FLUSH MOUNT)
DC-1	DISPLAY CASE - RECESSED
DC-2	DISPLAY CASE - TWO SIDED
LKR-1	LOCKERS - KNOCK-DOWN
LKR-1A	LOCKERS - KNOCK-DOWN (ACCESSIBLE)
MRVT-1	MILLWORK REVEAL TRIM (BETWEEN PANELS)
MRVT-2	MILLWORK REVEAL TRIM (CORNER)
MRVT-3	MILLWORK REVEAL TRIM (EDGE)
PLAM-1	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PLAM-2	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PLAM-3	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
PT-5	PAINT - SEE INTERIOR FINISH LEGEND
PT-6	PAINT - SEE INTERIOR FINISH LEGEND
SN-1	DIMENSIONAL LETTERS - CAST CHARACTERS
SN-2	DIMENSIONAL LETTERS - CAST CHARACTERS
SN-3	DIMENSIONAL LETTERS - CAST CHARACTERS
SSF-1	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
SSF-2	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
TA-4	SOAP DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-9	PAPER TOWEL DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR

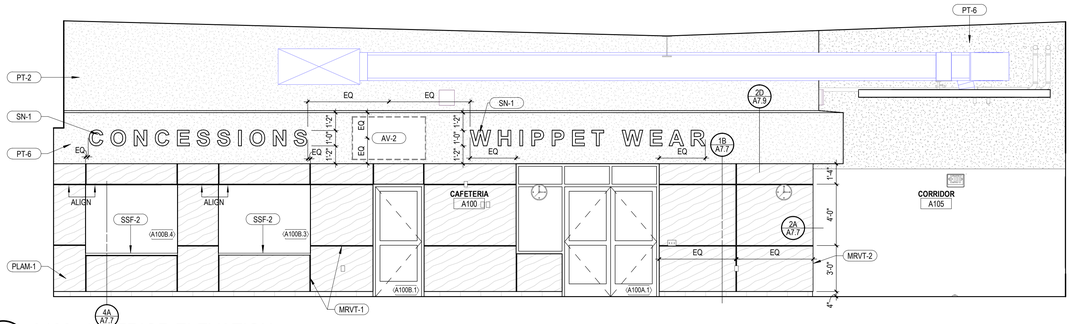
GENERAL MILLWORK NOTES

MILLWORK TAG LEGEND



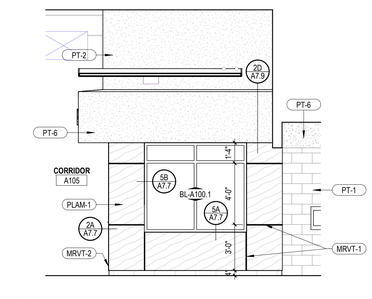
GENERAL MILLWORK NOTES:

1. PROVIDE FIRE TREATED WOOD BLOCKING AT WALLS FOR SUPPORT OF WORK SURFACES, WALL CABINETS, BASE CABINETS, MOUNTING CLEATS AND ALL OTHER MILLWORK REQUIRING BLOCKING.
2. ALL BASE CABINETS ARE 24" DEEP (NOM) UNLESS NOTED OTHERWISE.
3. ALL WALL CABINETS ARE 15" DEEP (NOM) UNLESS NOTED OTHERWISE.
4. ALL BACKSPLASHES & SIDESPLASHES ARE 4" HIGH. UNLESS NOTED OTHERWISE.
5. ALL TOE SPACES TO BE 4" HIGH & 3" DEEP UNLESS NOTED OTHERWISE.
6. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OF MILLWORK.
7. ALL CABINET ENDS & ALL EXPOSED SURFACES TO BE FINISHED WITH PLASTIC LAMINATE.
8. SCHEDULED BASE TO BE APPLIED TO ALL EXPOSED AREAS OF MILLWORK.
9. ALL 6 SURFACES OF SHELVES TO BE FINISHED.
10. ALL WORK SURFACES THAT MEET A WALL SHALL BE ATTACHED WITH 1"x2" WOODEN CLEATS ATTACHED TO WALL BLOCKING UNLESS OTHERWISE NOTED.
11. ALL BASE CABINETS & WALL CABINETS SHALL RECEIVE A 2" FILLER (F) WHEN MEETING WALLS UNLESS OTHERWISE NOTED.
12. ALL WALL AND BASE CABINET CORNER CONDITIONS WILL RECEIVE A FILLER (F) UNLESS OTHERWISE NOTED.
13. ALL WALL CABINET CORNER CONDITIONS REQUIRE UNDER CABINET AND TOP OF CABINET FILLERS (F).
14. COUNTERTOP EDGE STYLE TO BE WATERALL UNLESS OTHERWISE NOTED.
15. DOOR AND DRAWER-FRONT STYLE AT RECEPTION DESKS TO BE FLUSH OVERLAY. ALL OTHER LOCATIONS TO BE REVEAL OVERLAY UNLESS NOTED OTHERWISE.
16. ALL DOORS AND DRAWERS SHOWING PULLS TO RECEIVE DP-1 UNLESS OTHERWISED NOTED. SEE INTERIOR FINISH LEGEND.



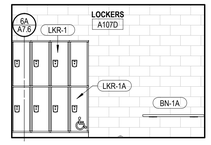
6D A100 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



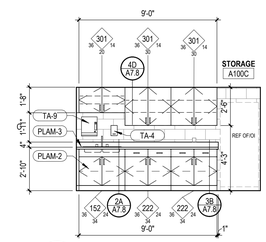
4D A100 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



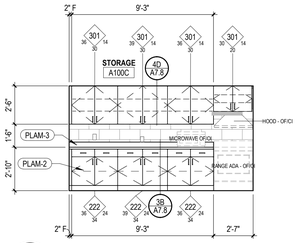
2D A107D - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



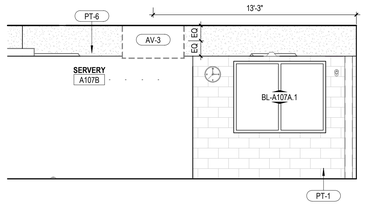
6C A100C - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



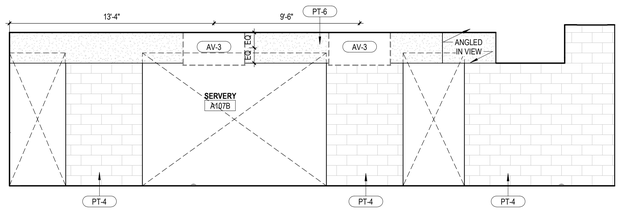
5C A100C - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



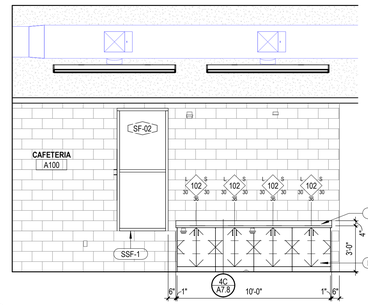
4C A107B - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



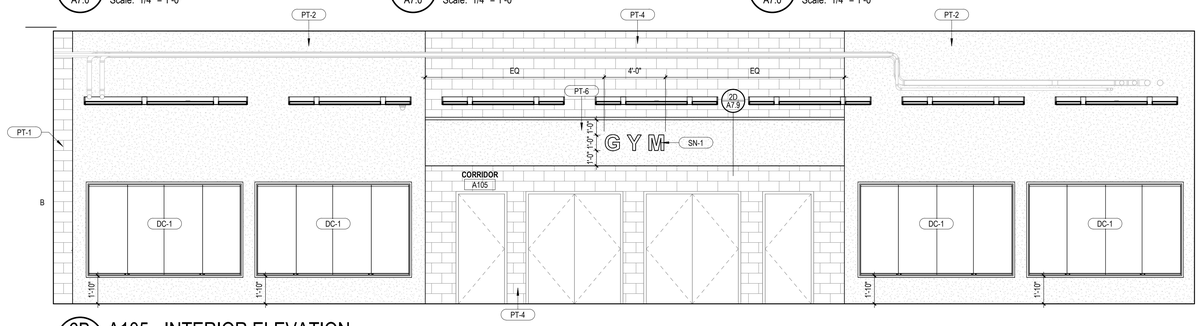
3C A107B - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



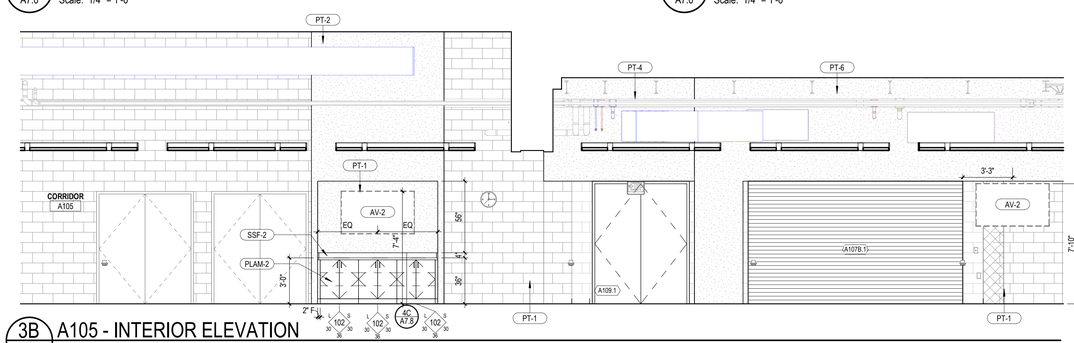
1C A100 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



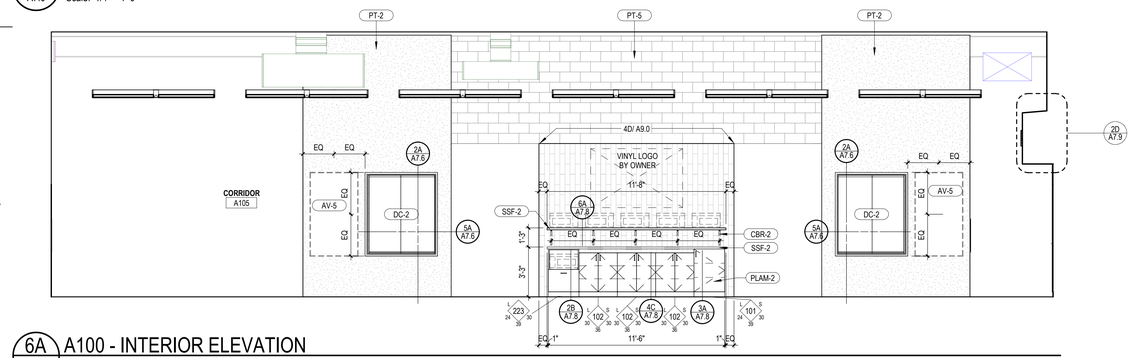
6B A105 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



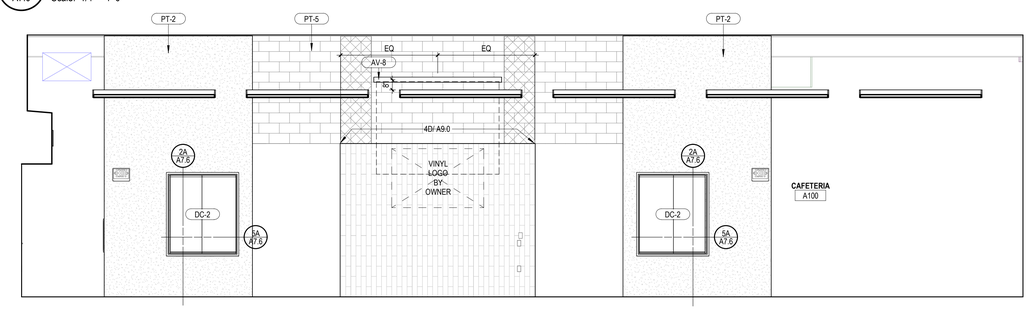
3B A105 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



6A A100 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"



3A A100 - INTERIOR ELEVATION

A7.0 Scale: 1/4" = 1'-0"

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ISSUANCES + REVISIONS:

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INTERIOR ELEVATIONS

Sheet Number:
A7.0

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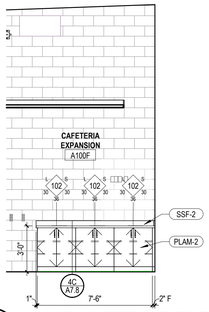
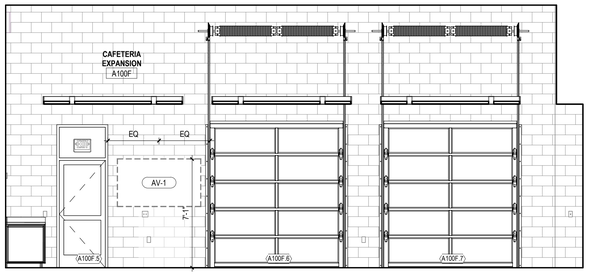
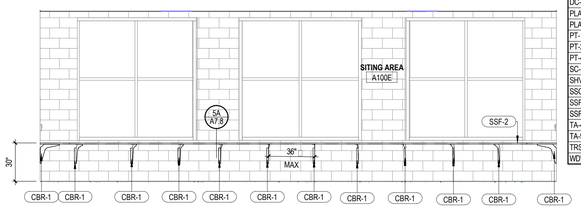


6E A100F - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



5E A100F - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



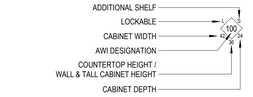
4E A100E - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"

KEYNOTE LEGEND

AV-1	75" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-3	55" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-4	43" FLAT SCREEN MONITOR, WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
AV-6	DISPLAY CAMERA - FURNISHED AND INSTALLED BY OWNER
CBR-1	COUNTERTOP BRACKET (STANDARD)
CT-1	TILE - SEE INTERIOR FINISH LEGEND
DC-1	DISPLAY CASE - RECESSED
PLAM-2	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PLAM-3	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
SC-1	STEEL CASEWORK, PAINT PT-6
SHV-1	PLASTIC LAMINATE SHELVES, STANDARDS, AND BRACKETS
SSC-1	STAINLESS STEEL COUNTERTOP
SSF-1	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
SSF-2	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
TA-4	SOAP DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-9	PAPER TOWEL DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TRS-10	TRANSITION STRIP - SEE INTERIOR FINISH LEGEND
WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADE) - SEE INTERIOR FINISH LEGEND

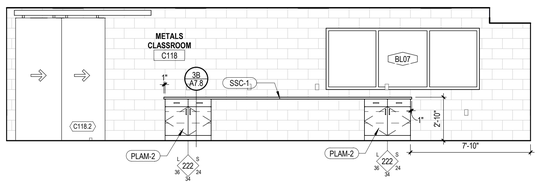
GENERAL MILLWORK NOTES

MILLWORK TAG LEGEND

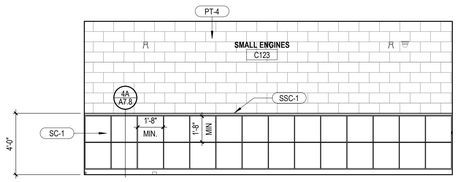


GENERAL MILLWORK NOTES:

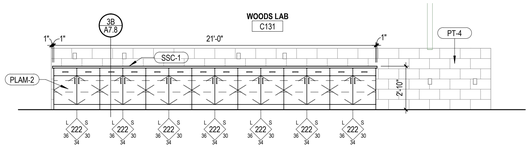
1. PROVIDE FIRE TREATED WOOD BLOCKING AT WALLS FOR SUPPORT OF WORK SURFACES, WALL CABINETS, BASE CABINETS, MOUNTING CLEATS AND ALL OTHER MILLWORK REQUIRING BLOCKING.
2. ALL BASE CABINETS ARE 24" DEEP (NOM) UNLESS NOTED OTHERWISE.
3. ALL WALL CABINETS ARE 15" DEEP (NOM) UNLESS NOTED OTHERWISE.
4. ALL BACKSPLASHES & SIDESPLASHES ARE 4" HIGH. UNLESS NOTED OTHERWISE.
5. ALL TOE SPACES TO BE 4" HIGH & 3" DEEP UNLESS NOTED OTHERWISE.
6. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OF MILLWORK.
7. ALL CABINET ENDS & ALL EXPOSED SURFACES TO BE FINISHED WITH PLASTIC LAMINATE.
8. SCHEDULED BASE TO BE APPLIED TO ALL EXPOSED AREAS OF MILLWORK.
9. ALL 6 SURFACES OF SHELVES TO BE FINISHED.
10. ALL WORK SURFACES THAT MEET A WALL SHALL BE ATTACHED WITH 1"x2" WOODEN CLEATS ATTACHED TO WALL BLOCKING UNLESS OTHERWISE NOTED.
11. ALL BASE CABINETS & WALL CABINETS SHALL RECEIVE A 2" FILLER (F) WHEN MEETING WALLS UNLESS OTHERWISE NOTED.
12. ALL WALL AND BASE CABINET CORNER CONDITIONS WILL RECEIVE A FILLER (F) UNLESS OTHERWISE NOTED.
13. ALL WALL CABINET CORNER CONDITIONS REQUIRE UNDER CABINET AND TOP OF CABINET FILLERS (F).
14. COUNTERTOP EDGE STYLE TO BE WATERALL UNLESS OTHERWISE NOTED.
15. DOOR AND DRAWER-FRONT STYLE AT RECEPTION DESKS TO BE FLUSH OVERLAY. ALL OTHER LOCATIONS TO BE REVEAL OVERLAY UNLESS NOTED OTHERWISE.
16. ALL DOORS AND DRAWERS SHOWING PULLS TO RECEIVE DP-1 UNLESS OTHERWISED NOTED. SEE INTERIOR FINISH LEGEND.



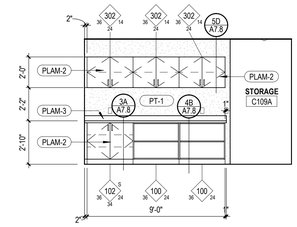
6D C118 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



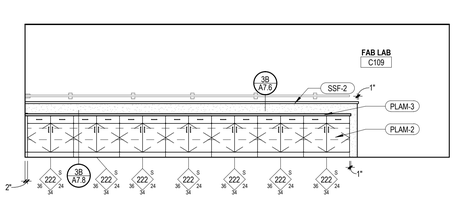
4D C123 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



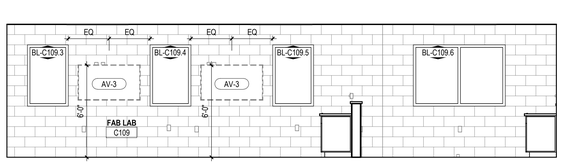
2D C131 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



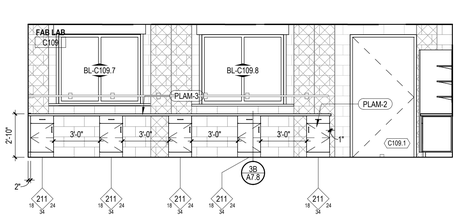
6C C109A - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



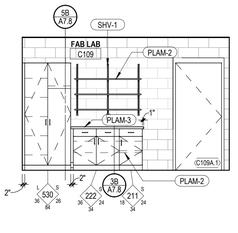
5C C109 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



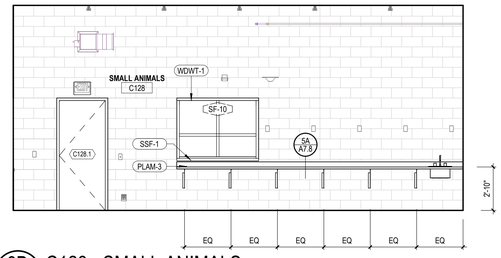
3C C109 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



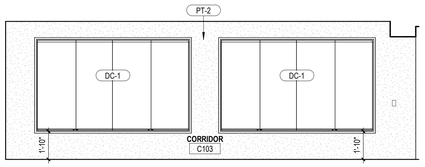
2C C109 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



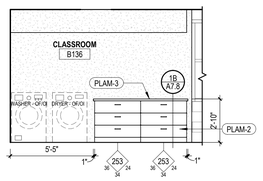
1C C109 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



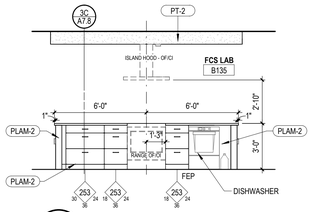
6B C128 - SMALL ANIMALS
A7.1 Scale: 1/4" = 1'-0"



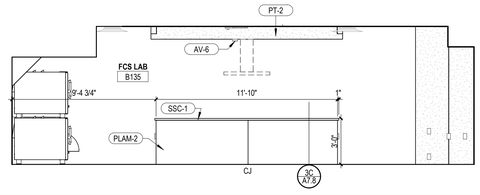
4B C103- CORRIDOR
A7.1 Scale: 1/4" = 1'-0"



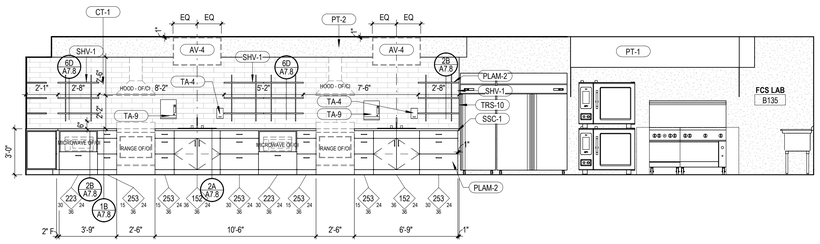
3B B136 - FCS LAB - 6
A7.1 Scale: 1/4" = 1'-0"



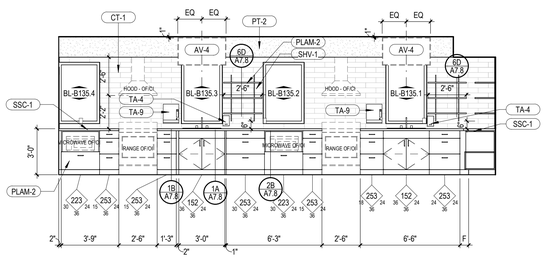
2B B135 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



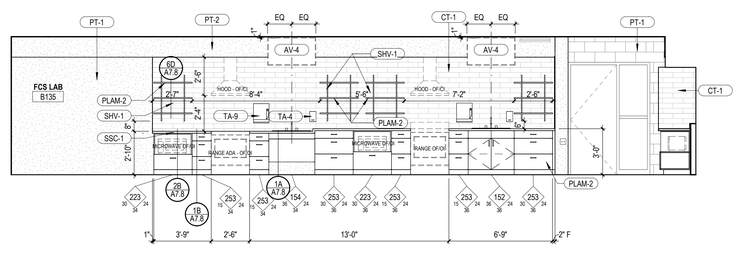
1B B135 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



6A B135 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



3A B135 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"



2A B135 - INTERIOR ELEVATION
A7.1 Scale: 1/4" = 1'-0"

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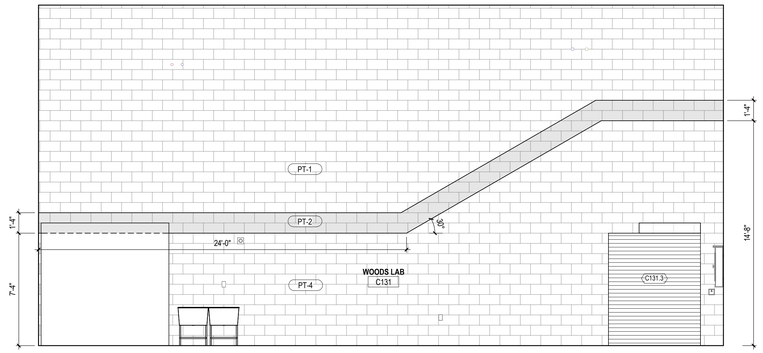
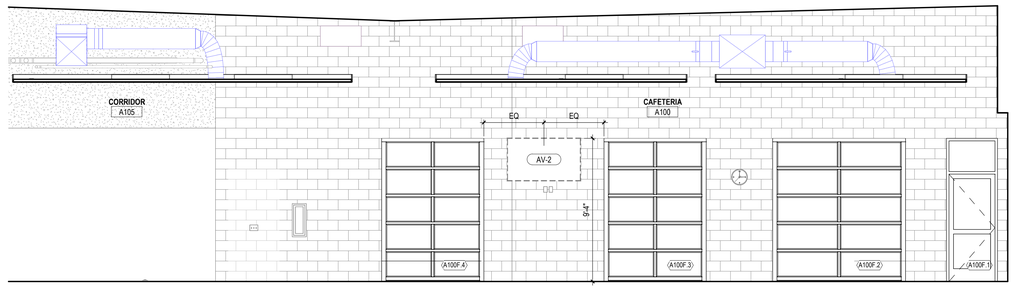
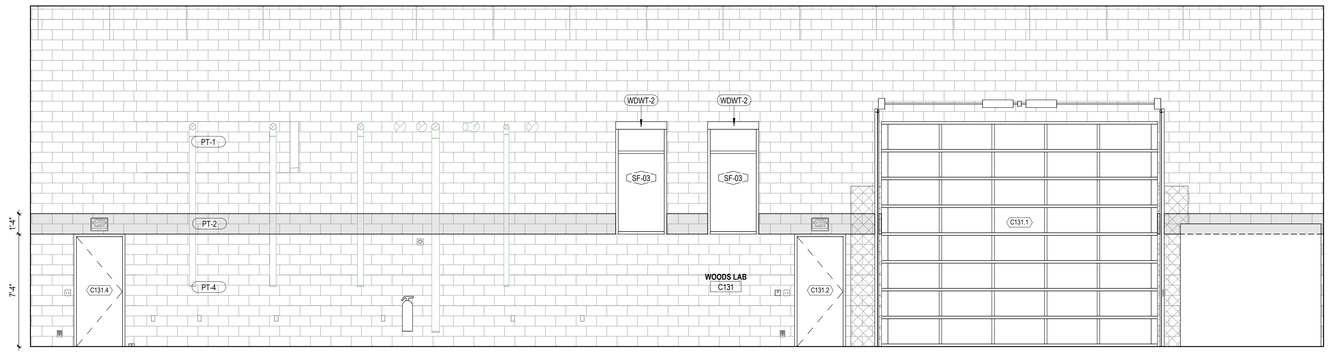


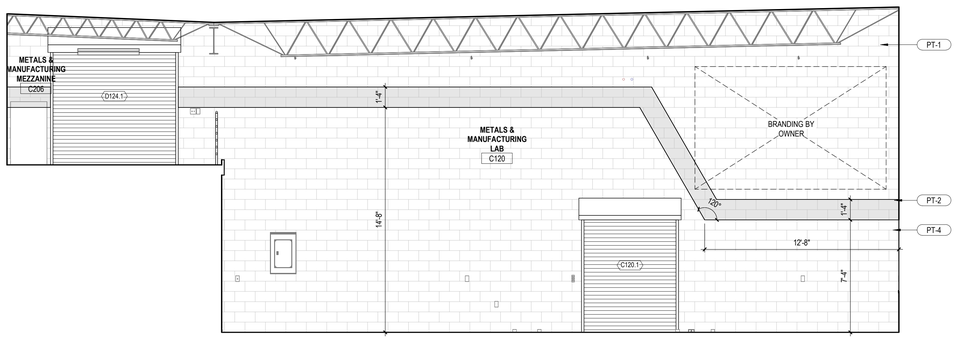
6E C131 - WOODS LAB EAST
A7.2 Scale: 1/4" = 1'-0"



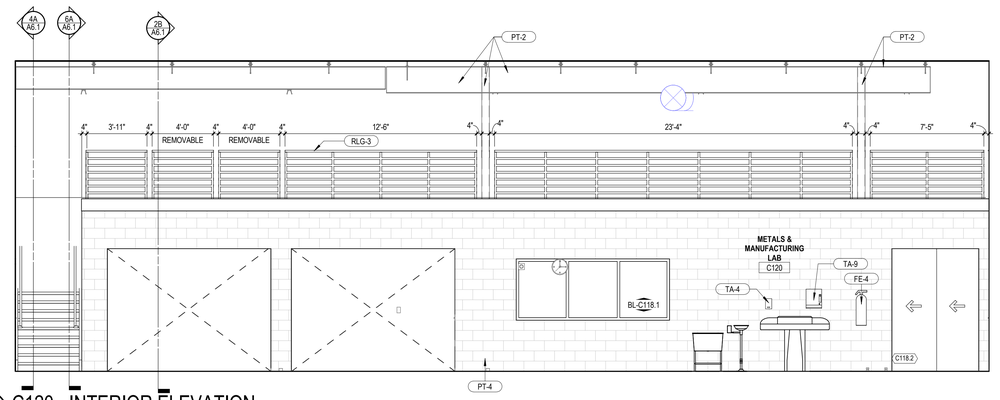
3E A100 - INTERIOR ELEVATION
A7.2 Scale: 1/4" = 1'-0"



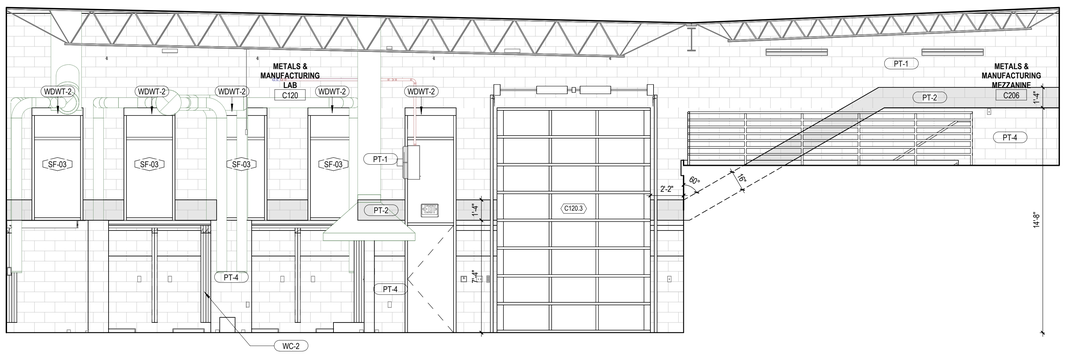
6D C131 - WOODS LAB NORTH
A7.2 Scale: 1/4" = 1'-0"



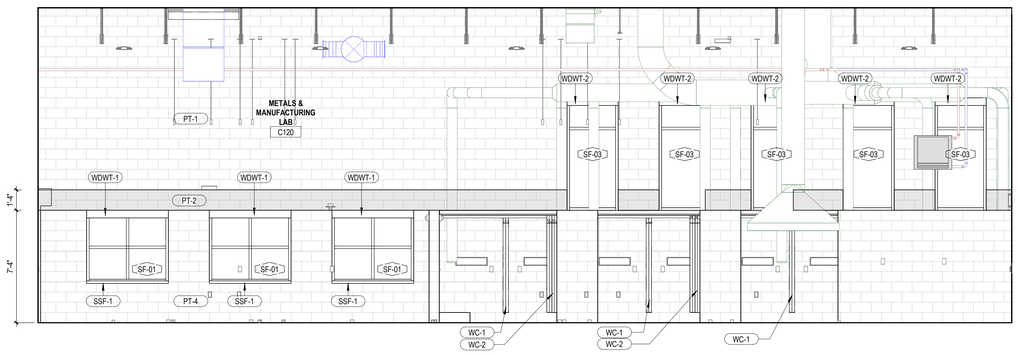
6B C120 - INTERIOR ELEVATION
A7.2 Scale: 1/4" = 1'-0"



3B C120 - INTERIOR ELEVATION
A7.2 Scale: 1/4" = 1'-0"



6A C120 - INTERIOR ELEVATION
A7.2 Scale: 1/4" = 1'-0"



3A C120 - INTERIOR ELEVATION
A7.2 Scale: 1/4" = 1'-0"

GENERAL MILLWORK NOTES

MILLWORK TAG LEGEND



GENERAL MILLWORK NOTES:

1. PROVIDE FIRE TREATED WOOD BLOCKING AT WALLS FOR SUPPORT OF WORK SURFACES, WALL CABINETS, BASE CABINETS, MOUNTING CLEATS AND ALL OTHER MILLWORK REQUIRING BLOCKING.
2. ALL BASE CABINETS ARE 24" DEEP (NOM) UNLESS NOTED OTHERWISE.
3. ALL WALL CABINETS ARE 15" DEEP (NOM) UNLESS NOTED OTHERWISE.
4. ALL BACKSPLASHES & SIDESPLASHES ARE 4" HIGH, UNLESS NOTED OTHERWISE.
5. ALL TOE SPACES TO BE 4" HIGH & 3" DEEP UNLESS NOTED OTHERWISE.
6. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OF MILLWORK.
7. ALL CABINET ENDS & ALL EXPOSED SURFACES TO BE FINISHED WITH PLASTIC LAMINATE.
8. SCHEDULED BASE TO BE APPLIED TO ALL EXPOSED AREAS OF MILLWORK.
9. ALL 6 SURFACES OF SHELVES TO BE FINISHED.
10. ALL WORK SURFACES THAT MEET A WALL SHALL BE ATTACHED WITH 1"x2" WOODEN CLEATS ATTACHED TO WALL BLOCKING UNLESS OTHERWISE NOTED.
11. ALL BASE CABINETS & WALL CABINETS SHALL RECEIVE A 2" FILLER (F) WHEN MEETING WALLS UNLESS OTHERWISE NOTED.
12. ALL WALL AND BASE CABINET CORNER CONDITIONS WILL RECEIVE A FILLER (F) UNLESS OTHERWISE NOTED.
13. ALL WALL CABINET CORNER CONDITIONS REQUIRE UNDER CABINET AND TOP OF CABINET FILLERS (F).
14. COUNTERTOP EDGE STYLE TO BE WATERALL UNLESS OTHERWISE NOTED.
15. DOOR AND DRAWER-FRONT STYLE AT RECEPTION DESKS TO BE FLUSH OVERLAY. ALL OTHER LOCATIONS TO BE REVEAL OVERLAY UNLESS NOTED OTHERWISE.
16. ALL DOORS AND DRAWERS SHOWING PULLS TO RECEIVE DP-1 UNLESS OTHERWISED NOTED. SEE INTERIOR FINISH LEGEND.

KEYNOTE LEGEND

AV-2	60" FLAT SCREEN MONITOR. WALL MOUNTED - FURNISHED AND INSTALLED BY OWNER
FE-4	FIRE EXTINGUISHER AND BRACKET
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
RLG-3	PIPE AND TUBE METAL HANDRAIL - MEZZANINE
SSF-1	SOLID SURFACE - SEE INTERIOR FINISH LEGEND
TA-4	SOAP DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-9	PAPER TOWEL DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
WC-1	WELDING CURTAIN
WC-2	WELDING STRIP CURTAIN
WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADE) - SEE INTERIOR FINISH LEGEND
WDWT-2	WINDOW TREATMENT (MOTORIZED ROLLER SHADE) - SEE INTERIOR FINISH LEGEND

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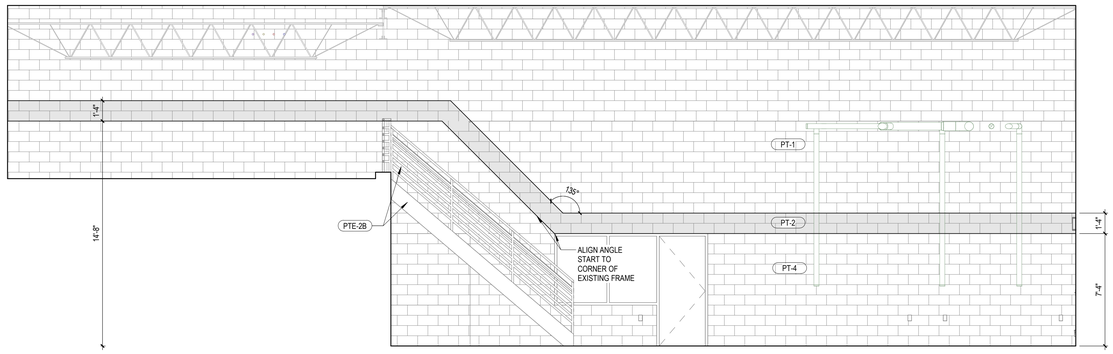
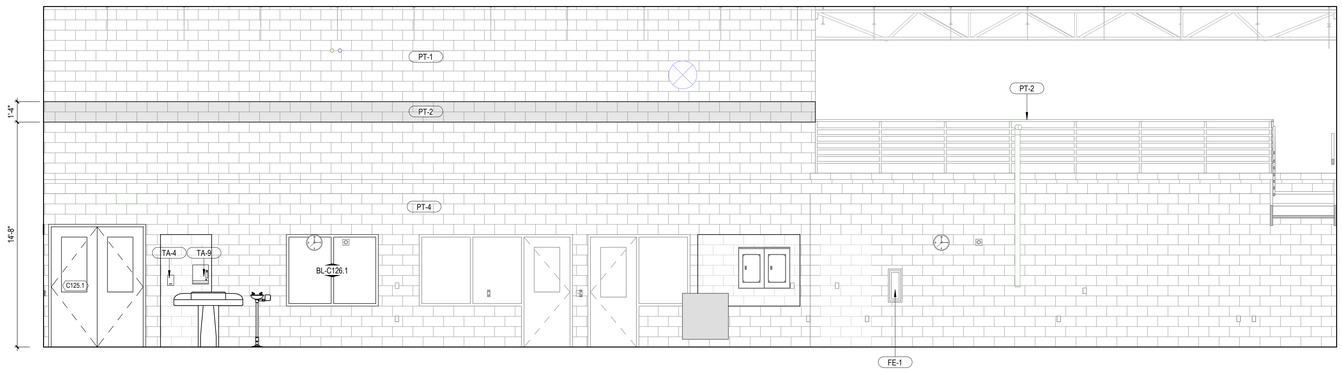
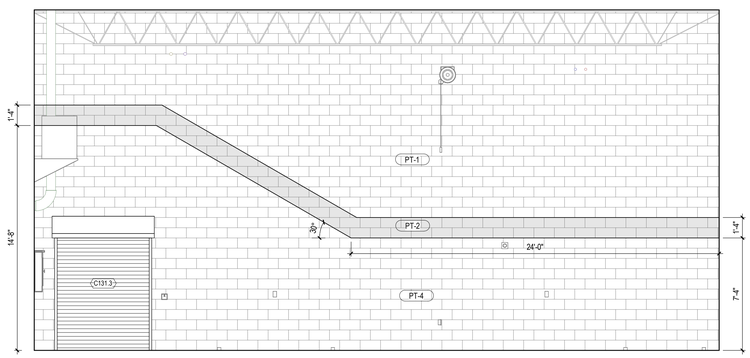


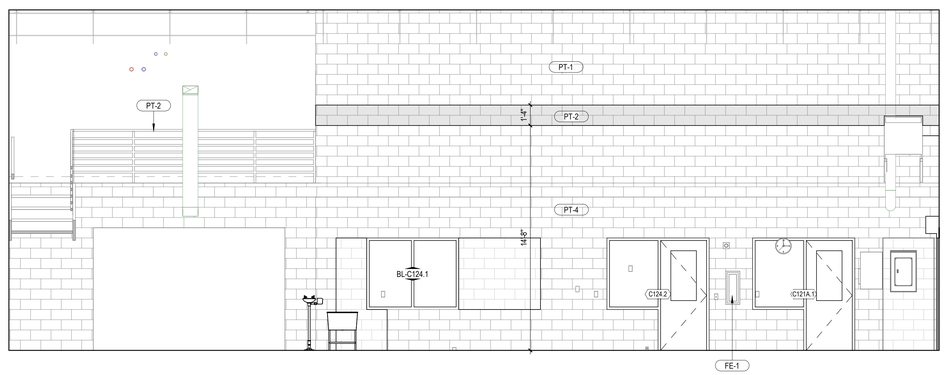
6E C131 - WOODS LAB WEST
A7.3 Scale: 1/4" = 1'-0"



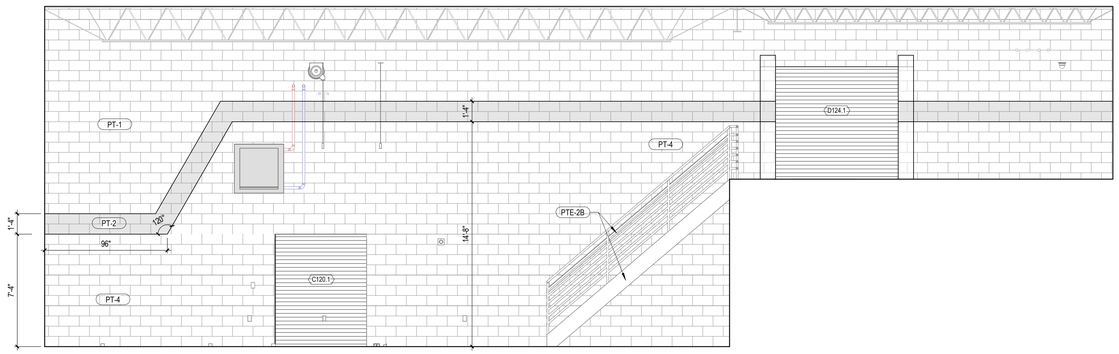
6D C131 - WOODS LAB SOUTH
A7.3 Scale: 1/4" = 1'-0"



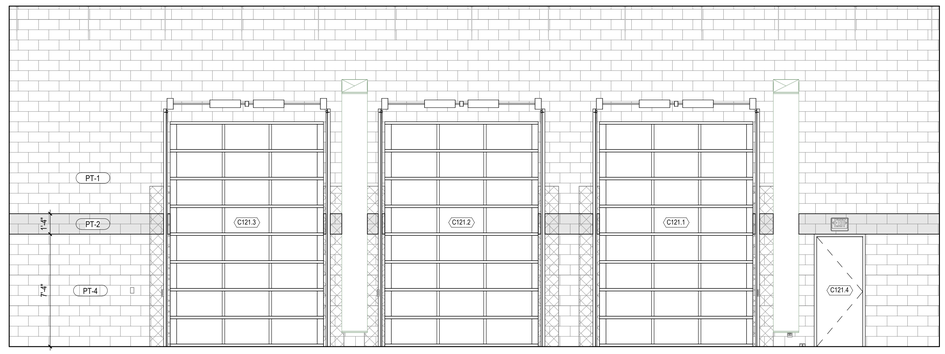
6C C121 - AUTOS LAB WEST
A7.3 Scale: 1/4" = 1'-0"



3C C121 - AUTOS LAB SOUTH
A7.3 Scale: 1/4" = 1'-0"



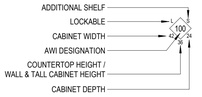
6A C121 - AUTOS LAB EAST
A7.3 Scale: 1/4" = 1'-0"



3A C121 - AUTOS LAB NORTH
A7.3 Scale: 1/4" = 1'-0"

GENERAL MILLWORK NOTES

MILLWORK TAG LEGEND



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KEYNOTE LEGEND

FE-1	FIRE EXTINGUISHER AND SEMI-RECESSED CABINET
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
PTE-2B	PAINT EXISTING RAILING, STAIR STRINGER AND STAIR TREADS PT-2; PAINT VISION STRIP ON STAIR TREADS
TA-4	SOAP DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
TA-9	PAPER TOWEL DISPENSER - FURNISHED BY OWNER / INSTALLED BY CONTRACTOR

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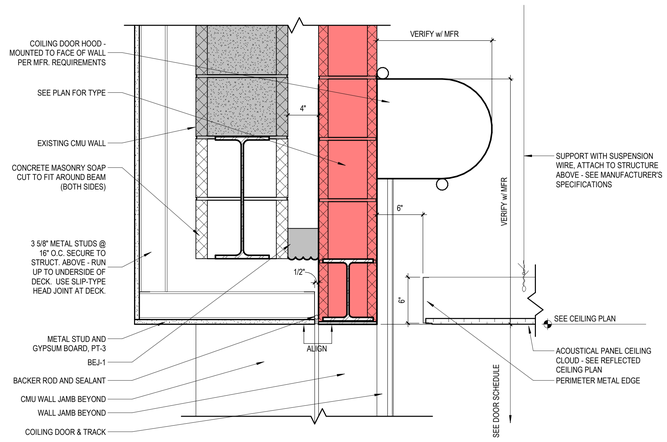
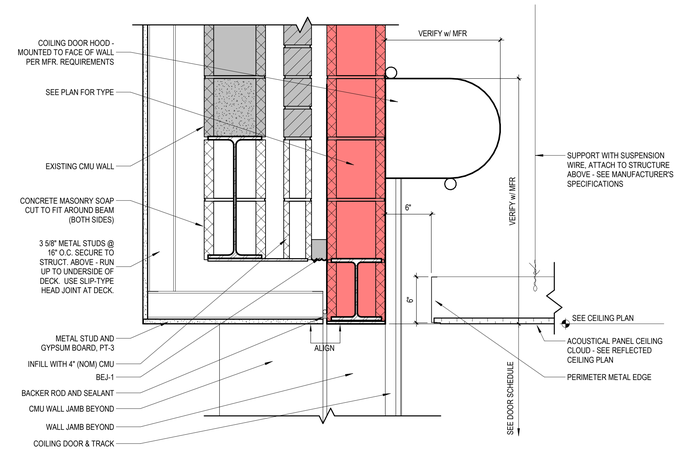
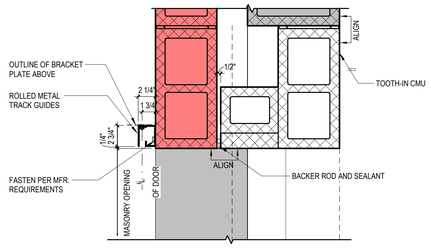


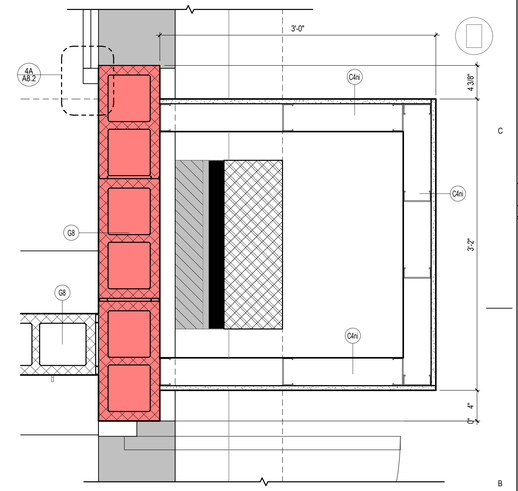
5D A7.4 COILING FIRE DOOR - HEAD/LINTEL
Scale: 1 1/2" = 1'-0"

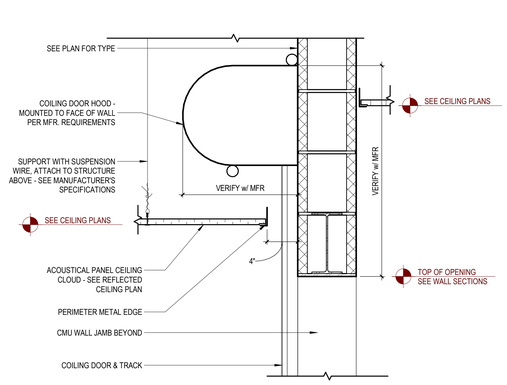


3D A7.4 COILING FIRE DOOR - HEAD
Scale: 1 1/2" = 1'-0"

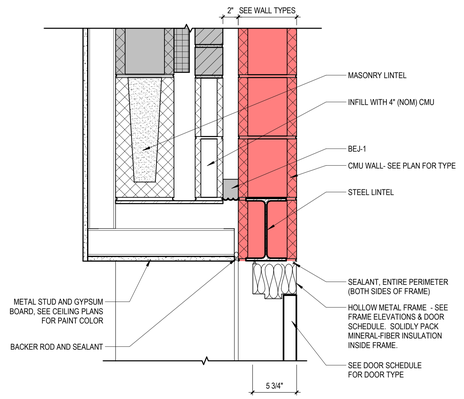


1D A7.4 JAMB DETAIL - FIRE SHUTTER
Scale: 1 1/2" = 1'-0"



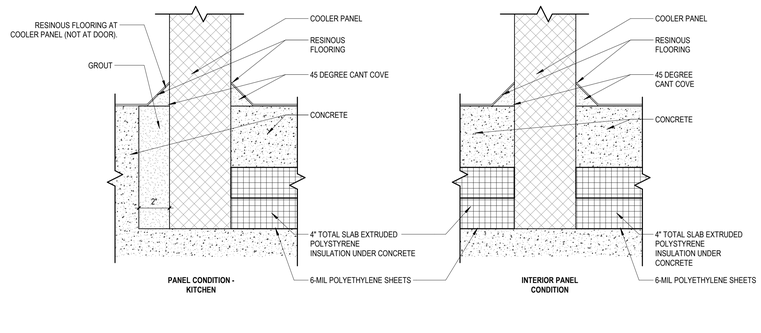


4B A7.4 COILING DOOR - HEAD - KITCHEN
Scale: 1 1/2" = 1'-0"



3B A7.4 HM DOOR HEAD - FIREWALL
Scale: 1 1/2" = 1'-0"

1B A7.4 PLAN VIEW - DOOR JAMB - FW
Scale: 1 1/2" = 1'-0"



4A A7.4 RESINOUS FLOORING AT COOLER PANELS
Scale: 3" = 1'-0"

2A A7.4 INTERIOR PLAN DETAIL - FW - DOOR
Scale: 1 1/2" = 1'-0"

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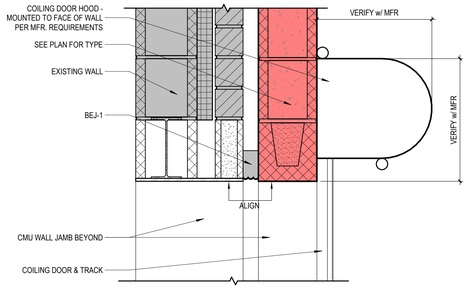
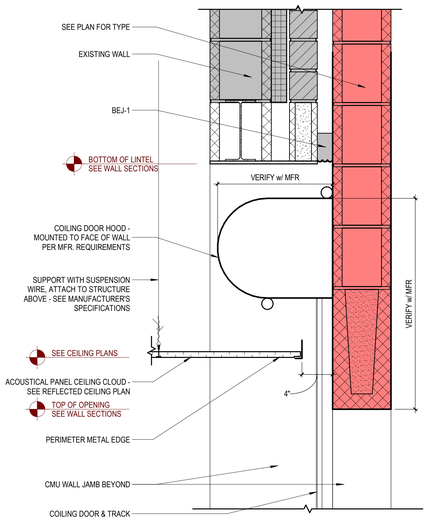
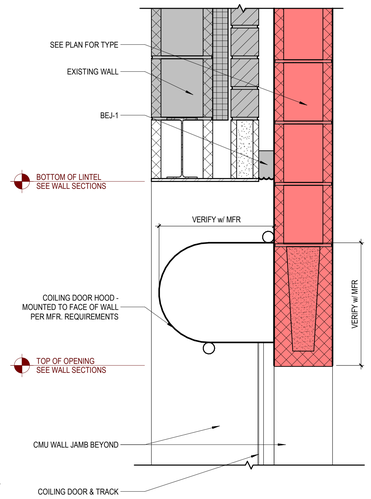
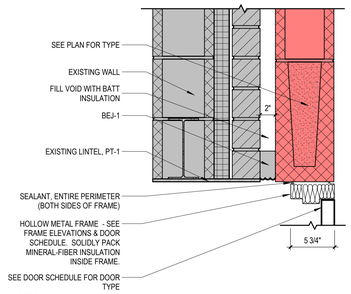
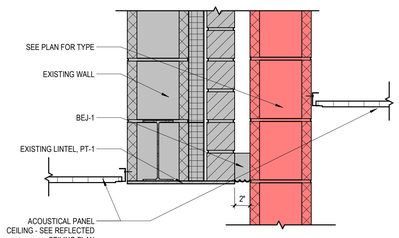




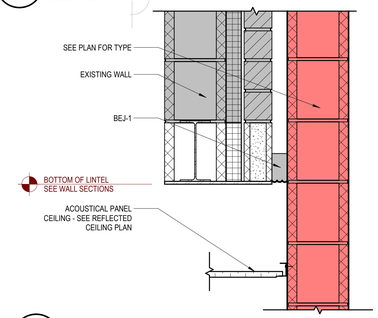




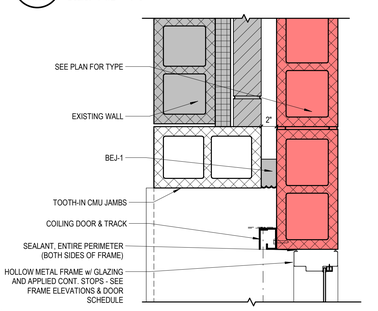
4C HM - DOOR HEAD - FW
A7.5 Scale: 1 1/2" = 1'-0"



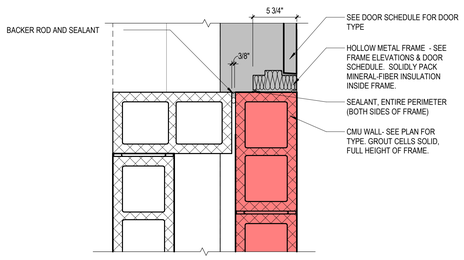
3C SECTION SECTION - CORRIDOR - FW
A7.5 Scale: 1 1/2" = 1'-0"



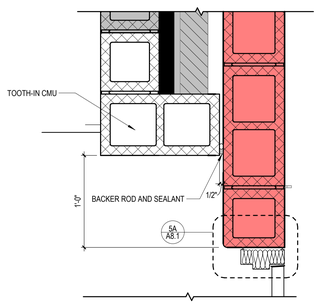
2C SECTION DETAIL - LINTEL @ FW
A7.5 Scale: 1 1/2" = 1'-0"

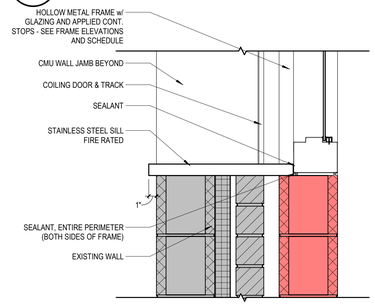


1C COILING DOOR JAMB - FIREWALL
A7.5 Scale: 1 1/2" = 1'-0"

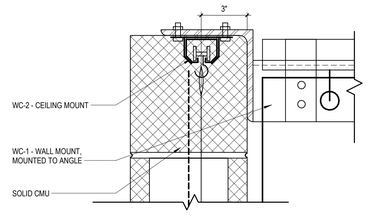


3B HM DOOR JAMB - FW
A7.5 Scale: 1 1/2" = 1'-0"

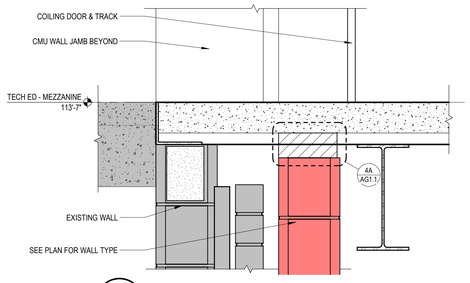




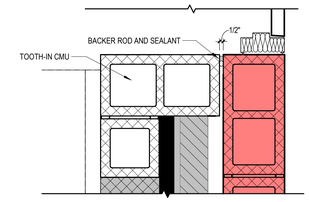
1B COILING DOOR SILL - FIREWALL
A7.5 Scale: 1 1/2" = 1'-0"



4A SECTION DETAIL - CURTAIN TRACK
A7.5 Scale: 3" = 1'-0"



3A FIREWALL FLOOR DETAIL
A7.5 Scale: 1 1/2" = 1'-0"



2A DOOR PLAN DETAIL - FIREWALL
A7.5 Scale: 1 1/2" = 1'-0"

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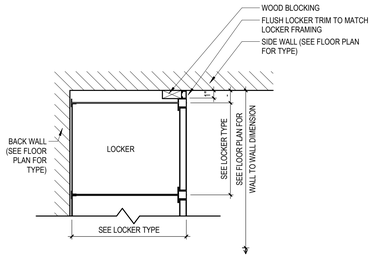
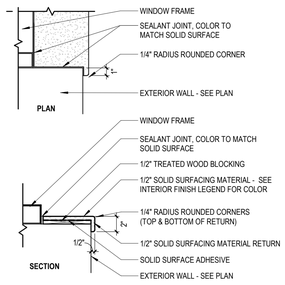
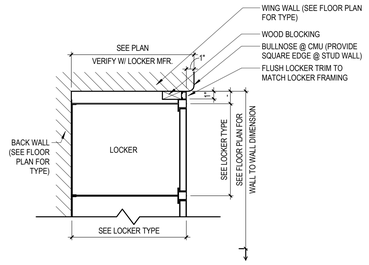
KEYNOTE LEGEND

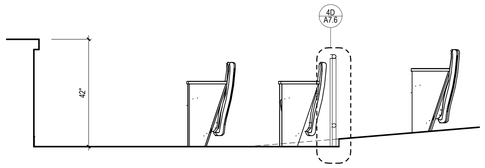
RLG-2	PIPE AND TUBE METAL HANDRAIL - AUDITORIUM





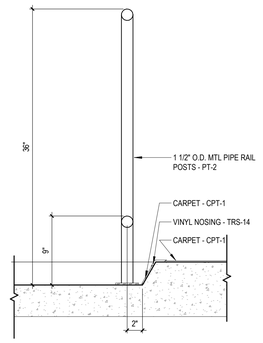
5E WINDOW STOOL
A7.6 Scale: 1 1/2" = 1'-0"

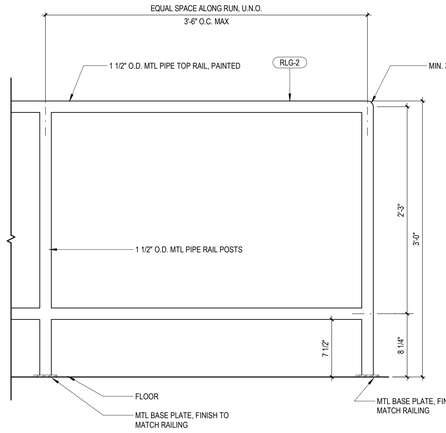


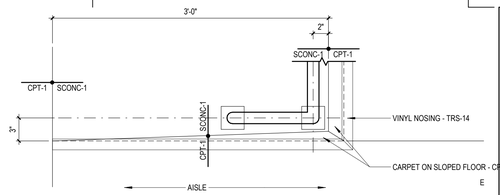


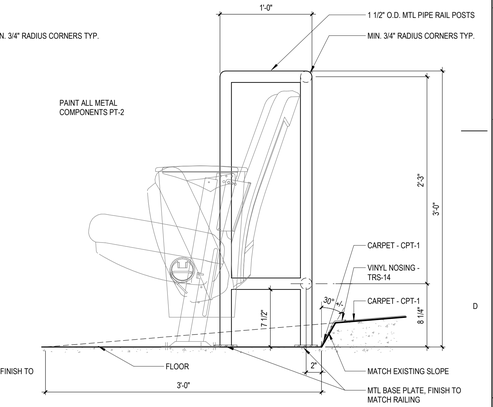
6D LOCKER TRIM
A7.6 Scale: 1 1/2" = 1'-0"

5D SECTION - AUDITORIUM AT BAND
A7.6 Scale: 1/2" = 1'-0"

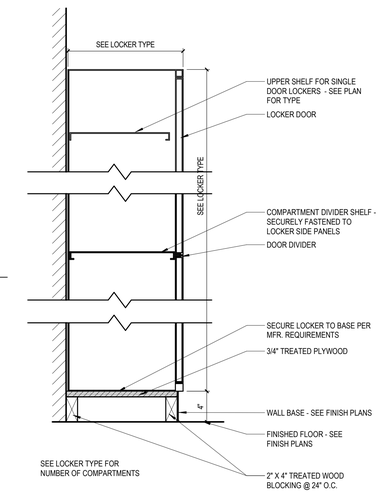


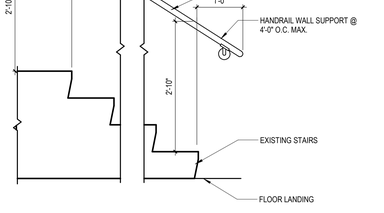


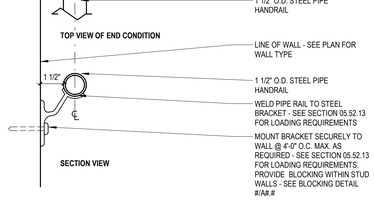


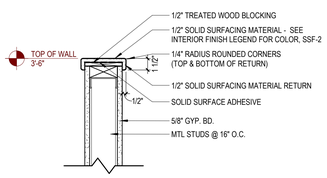


4D RAILING DETAIL - AUDITORIUM
A7.6 Scale: 1 1/2" = 1'-0"







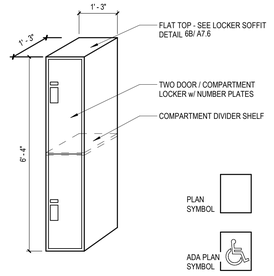


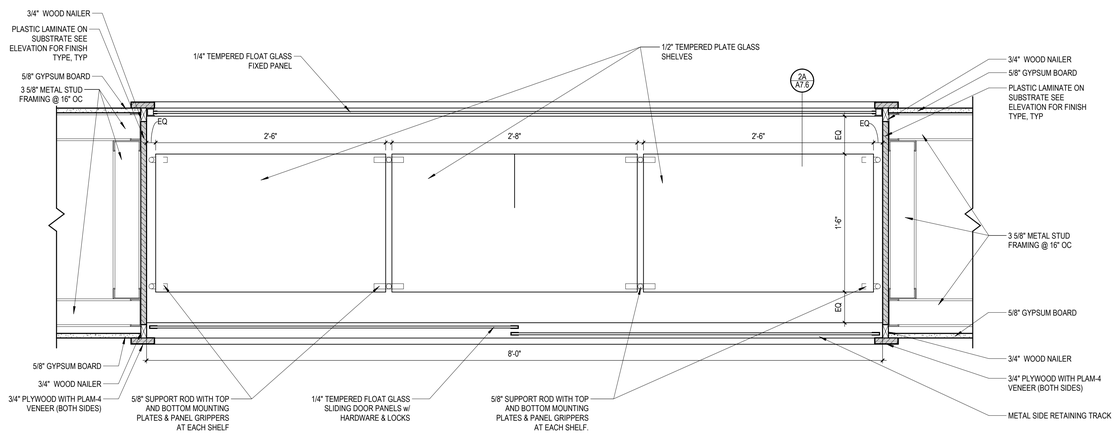
6B LOCKER SECTION
A7.6 Scale: 1 1/2" = 1'-0"

5B WALL MOUNTED HANDRAIL @ STAIR - RLG-1
A7.6 Scale: 3/4" = 1'-0"

4B HANDRAIL - RLG-1
A7.6 Scale: 3" = 1'-0"

3B HALF STUD WALL DETAIL
A7.6 Scale: 1 1/2" = 1'-0"





6A LOCKER TYPE (LKR-1)
A7.6 Scale: 1/2" = 1'-0"

5A TWO-SIDED DISPLAY CASE - PLAN DETAIL
A7.6 Scale: 1 1/2" = 1'-0"

2A TWO-SIDED DISPLAY CASE
A7.6 Scale: 1 1/2" = 1'-0"

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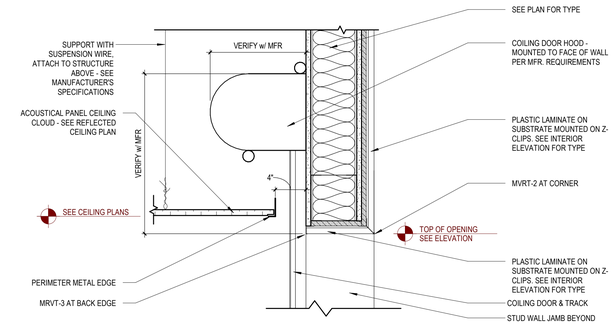
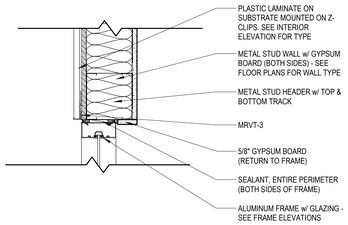
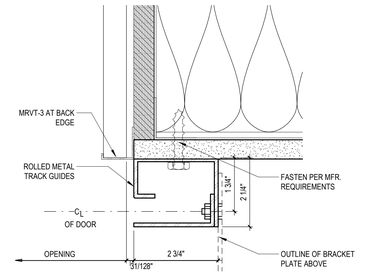


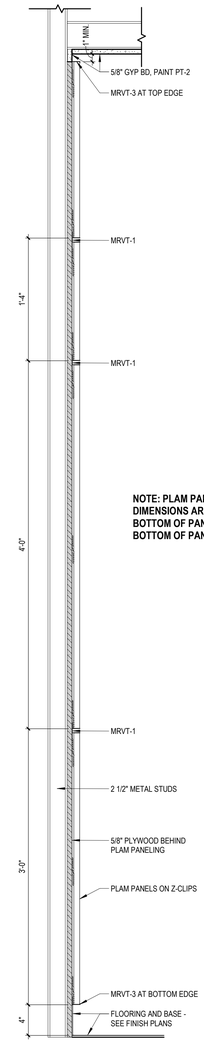
4D COILING COUNTER DOOR HEAD
A7.7 Scale: 1 1/2" = 1'-0"



5C INTERIOR STOREFRONT HEAD @ STUD WALL
A7.7 Scale: 1 1/2" = 1'-0"

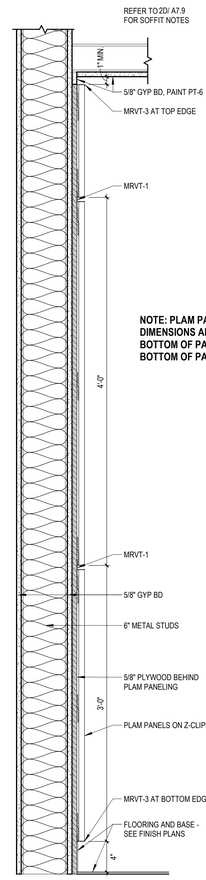


4C COILING DOOR TRACK JAMB
A7.7 Scale: 6" = 1'-0"



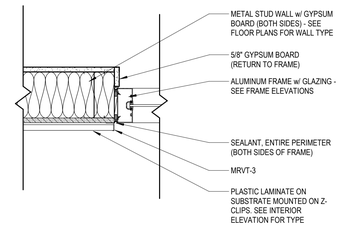
NOTE: PLAM PANEL DIMENSIONS ARE SHOWN BOTTOM OF PANEL TO BOTTOM OF PANEL

2B PLAM PANEL SECTION @ A100F
A7.7 Scale: 1 1/2" = 1'-0"

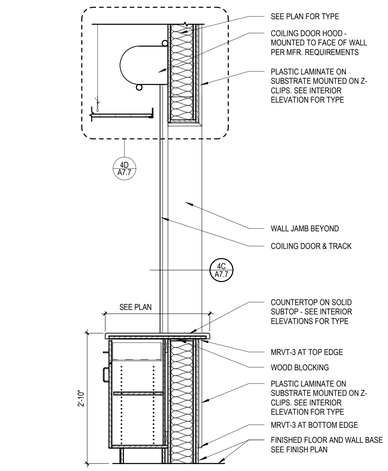


NOTE: PLAM PANEL DIMENSIONS ARE SHOWN BOTTOM OF PANEL TO BOTTOM OF PANEL

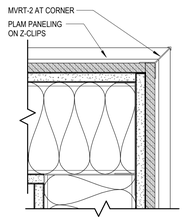
1B PLAM PANEL SECTION @ CONCESSIONS
A7.7 Scale: 1 1/2" = 1'-0"



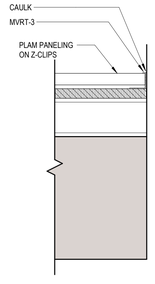
5B INTERIOR STOREFRONT JAMB @ STUD WALL
A7.7 Scale: 1 1/2" = 1'-0"



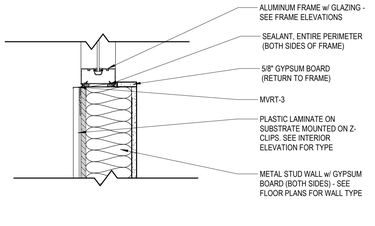
4A COILING COUNTER DOOR
A7.7 Scale: 3/4" = 1'-0"



2A PLAM PANEL CORNER
A7.7 Scale: 3" = 1'-0"



1A PLAM PANEL END
A7.7 Scale: 3" = 1'-0"



5A INTERIOR STOREFRONT SILL @ STUD WALL
A7.7 Scale: 1 1/2" = 1'-0"

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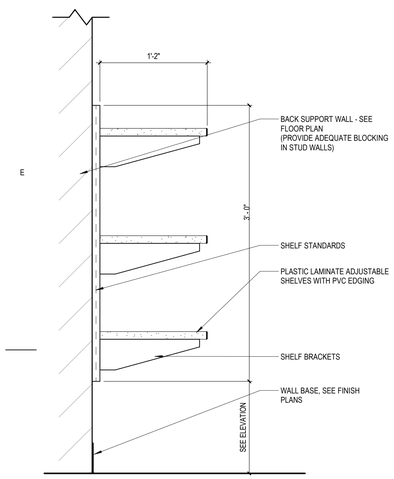
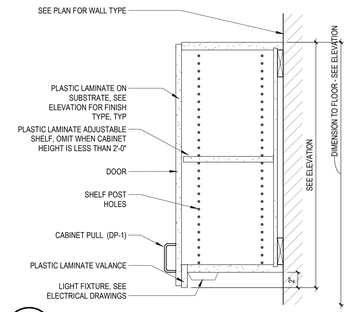
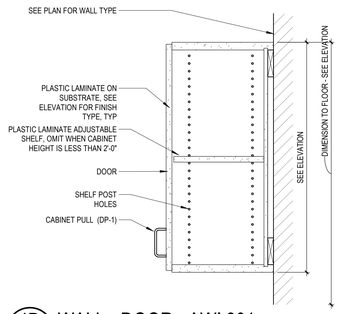


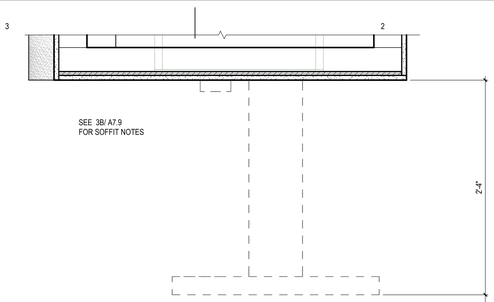
6D ADJUSTABLE SHELVES (SHV-1)
A7.8 Scale: 1 1/2" = 1'-0"



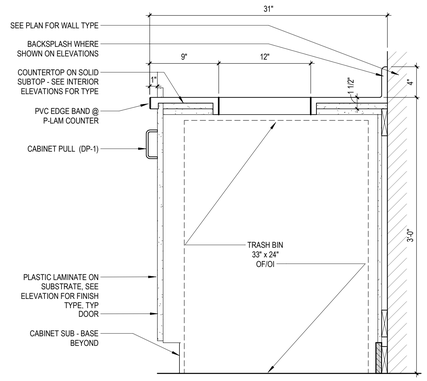
5D WALL w/ VALANCE - DOOR - AWI 302
A7.8 Scale: 1 1/2" = 1'-0"



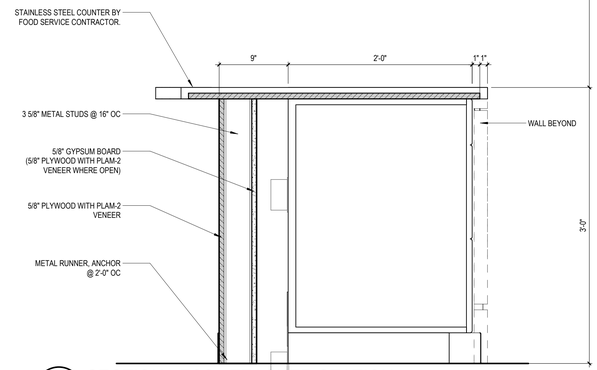
4D WALL - DOOR - AWI 301
A7.8 Scale: 1 1/2" = 1'-0"

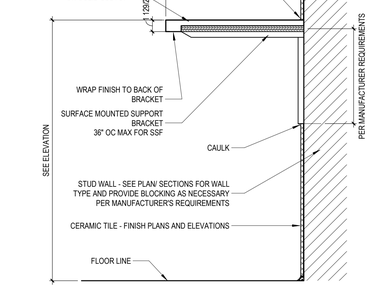


3C SECTION - FCS - TEACHER STATION
A7.8 Scale: 1 1/2" = 1'-0"

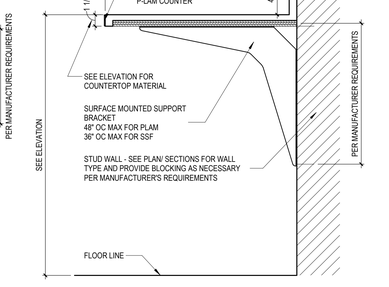


4C BASE - TRASH BIN OPENING - AWI 102T
A7.8 Scale: 1 1/2" = 1'-0"

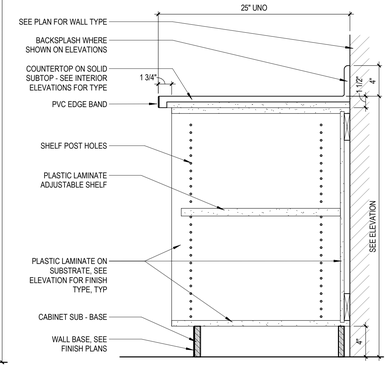




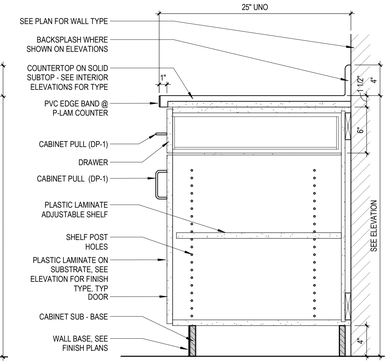
6B TALL - SHELVING - AWI 401/402
A7.8 Scale: 1 1/2" = 1'-0"



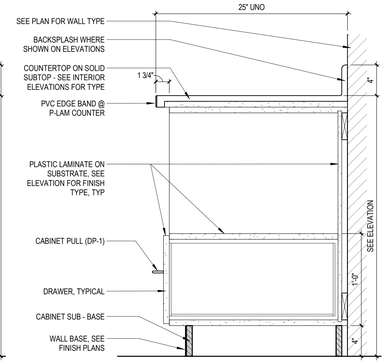
5B WARDROBE - AWI 501/502
A7.8 Scale: 1 1/2" = 1'-0"



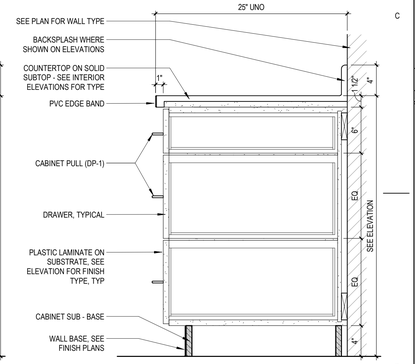
4B BASE - OPEN - AWI 100
A7.8 Scale: 1 1/2" = 1'-0"



3B BASE - w/ TOP DRAWER - AWI 211/222
A7.8 Scale: 1 1/2" = 1'-0"



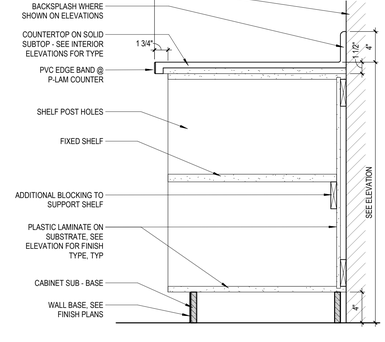
2B BASE - 1 DRAWER - AWI 223M/224M
A7.8 Scale: 1 1/2" = 1'-0"



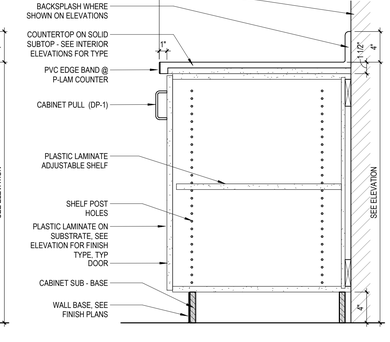
1B BASE - 3 DRAWERS - AWI 253
A7.8 Scale: 1 1/2" = 1'-0"

6A COUNTERTOP AT CBR-2
A7.8 Scale: 1 1/2" = 1'-0"

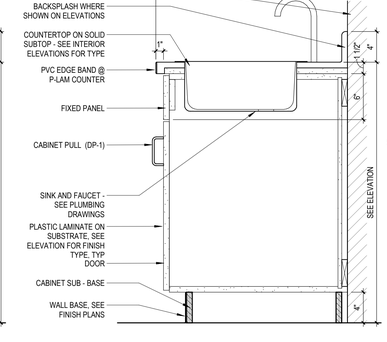
5A COUNTERTOP AT CBR-1
A7.8 Scale: 1 1/2" = 1'-0"



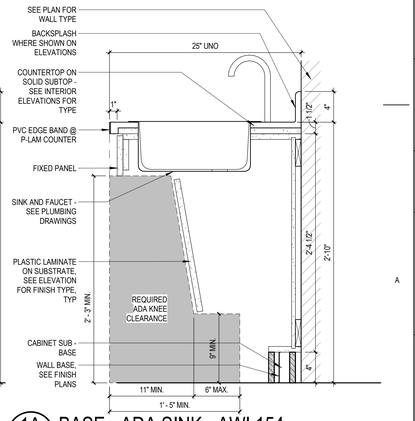
4A BASE - OPEN FIXED - AWI 100F
A7.8 Scale: 1 1/2" = 1'-0"



3A BASE - NO DRAWER - AWI 101/102
A7.8 Scale: 1 1/2" = 1'-0"



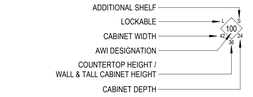
2A BASE - SINK - AWI 151/152
A7.8 Scale: 1 1/2" = 1'-0"



1A BASE - ADA SINK - AWI 154
A7.8 Scale: 1 1/2" = 1'-0"

GENERAL MILLWORK NOTES

MILLWORK TAG LEGEND



GENERAL MILLWORK NOTES:

1. PROVIDE FIRE TREATED WOOD BLOCKING AT WALLS FOR SUPPORT OF WORK SURFACES, WALL CABINETS, BASE CABINETS, MOUNTING CLEATS AND ALL OTHER MILLWORK REQUIRING BLOCKING.
2. ALL BASE CABINETS ARE 24" DEEP (NOM) UNLESS NOTED OTHERWISE.
3. ALL WALL CABINETS ARE 15" DEEP (NOM) UNLESS NOTED OTHERWISE.
4. ALL BACKSPLASHES & SIDESPLASHES ARE 4" HIGH. UNLESS NOTED OTHERWISE.
5. ALL TOE SPACES TO BE 4" HIGH & 3" DEEP UNLESS NOTED OTHERWISE.
6. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OF MILLWORK.
7. ALL CABINET ENDS & ALL EXPOSED SURFACES TO BE FINISHED WITH PLASTIC LAMINATE.
8. SCHEDULED BASE TO BE APPLIED TO ALL EXPOSED AREAS OF MILLWORK.
9. ALL 6 SURFACES OF SHELVES TO BE FINISHED.
10. ALL WORK SURFACES THAT MEET A WALL SHALL BE ATTACHED WITH 1"x2" WOODEN CLEATS ATTACHED TO WALL BLOCKING UNLESS OTHERWISE NOTED.
11. ALL BASE CABINETS & WALL CABINETS SHALL RECEIVE A 2" FILLER (F) WHEN MEETING WALLS UNLESS OTHERWISE NOTED.
12. ALL WALL AND BASE CABINET CORNER CONDITIONS WILL RECEIVE A FILLER (F) UNLESS OTHERWISE NOTED.
13. ALL WALL CABINET CORNER CONDITIONS REQUIRE UNDER CABINET AND TOP OF CABINET FILLERS (F).
14. COUNTERTOP EDGE STYLE TO BE WATERALL UNLESS OTHERWISE NOTED.
15. DOOR AND DRAWER-FRONT STYLE AT RECEPTION DESKS TO BE FLUSH OVERLAY. ALL OTHER LOCATIONS TO BE REVEAL OVERLAY UNLESS NOTED OTHERWISE.
16. ALL DOORS AND DRAWERS SHOWING PULLS TO RECEIVE DP-1 UNLESS OTHERWISE NOTED. SEE INTERIOR FINISH LEGEND.

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WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

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12/19/2025

Project Number:
3705

Sheet Title:
CASEWORK DETAILS

Sheet Number:
A7.8

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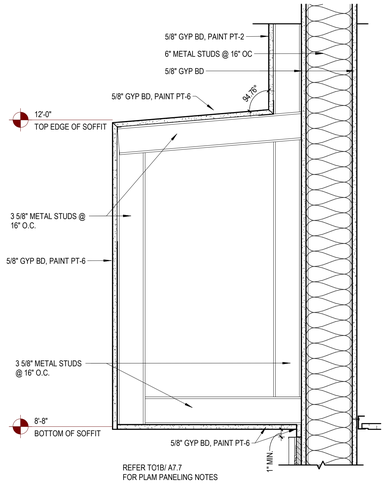
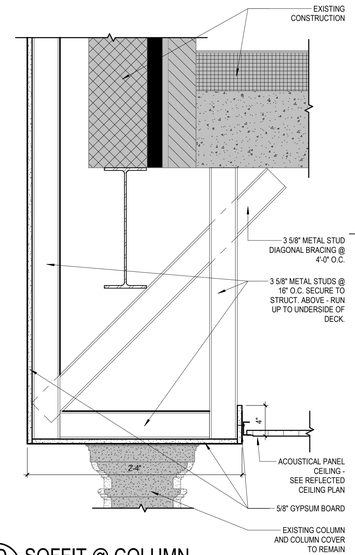
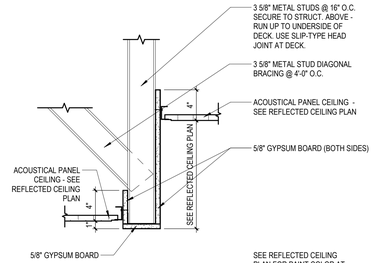


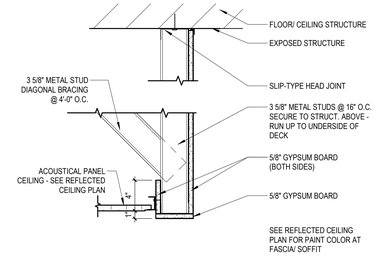
2D SOFFIT @ SCHOOL STORE
A7.9 Scale: 1 1/2" = 1'-0"



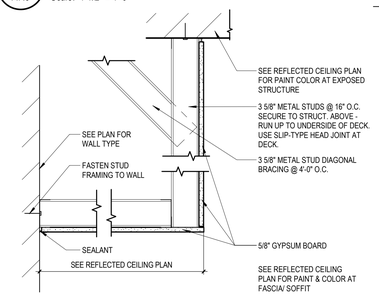
1D SOFFIT @ COLUMN
A7.9 Scale: 1 1/2" = 1'-0"



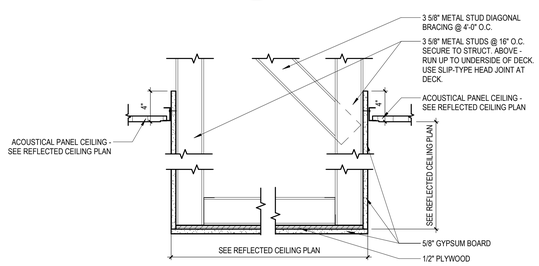
3C SOFFIT DETAIL
A7.9 Scale: 1 1/2" = 1'-0"



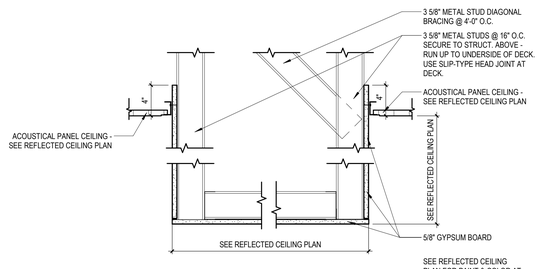
2C SOFFIT DETAIL
A7.9 Scale: 1 1/2" = 1'-0"



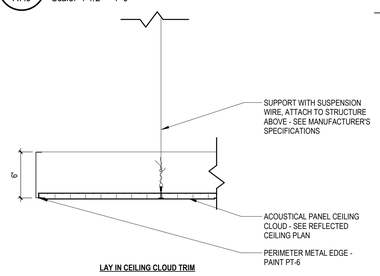
1C SOFFIT DETAIL
A7.9 Scale: 1 1/2" = 1'-0"



3B SOFFIT DETAIL
A7.9 Scale: 1 1/2" = 1'-0"



3A SOFFIT DETAIL
A7.9 Scale: 1 1/2" = 1'-0"



LAY IN CEILING CLOUD TRIM

1B SOFFIT DETAIL
A7.9 Scale: 1 1/2" = 1'-0"

1A CEILING CLOUD TRIM
A7.9 Scale: 1 1/2" = 1'-0"

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CEILING DETAILS

Sheet Number:
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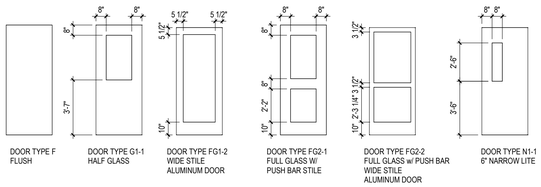
DOOR AND FRAME SCHEDULE

NUMBER	DOOR LEAF QTY	DOOR SIZE WIDTH	DOOR SIZE HGT	DOOR TYPE	DOOR MAT	DOOR FIN	DOOR GL	SIDELITE & TRANSOM GL	FRAME TYPE	FRAME MAT	FRAME FIN	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	HDWE TAG	RATING (MIN)	REMARKS
A100A.1	2	3'-0"	7'-2"	FG2-2	ALUM	AN-CLR	FPGL-1		SF-06	ALUM	AN-CLR	6D/A8.1	6C/A8.1		AL1	20 MIN	
A100B.1	1	3'-0"	7'-2"	FG2-2	ALUM	AN-CLR	FPGL-1		SF-07	ALUM	AN-CLR	6D/A8.1	6C/A8.1		AL2	20 MIN	
A100B.2	1	3'-0"	7'-0"	N1-1	HM	PT-2	GL-1		01A	HM	PT-2	2D/A8.1	3D/A8.1		16		
A100B.3	1	6'-0"	4'-6"	C	SST	SST	--		--	STL	--	4D/A7.7	4C/A7.7	4A/A7.7	--	60 MIN	
A100B.4	1	6'-0"	4'-6"	C	SST	SST	--		--	STL	--	4D/A7.7	4C/A7.7	4A/A7.7	--	90 MIN	
A100F.1	1	3'-0"	7'-0"	FG2-2	ALUM	AN-CLR	GL-1	GL-1	SF-08	ALUM	AN-CLR	4E/A8.1	3E/A8.1		AL3		
A100F.2				OH2	ALUM	AN-CLR	SEE SPECS		--	--	--	3E/A8.2	5A/8.2		--		
A100F.3				OH2	ALUM	AN-CLR	SEE SPECS		--	--	--	3E/A8.2	5A/8.2		--		
A100F.4				OH2	ALUM	AN-CLR	SEE SPECS		--	--	--	3E/A8.2	5A/8.2		--		
A100F.5	1	3'-0"	7'-0"	FG2-2	ALUM	AN-CLR	GL-1	GL-1	SF-08	ALUM	AN-CLR	4E/A8.1	3E/A8.1		AL3		
A100F.6				OH2	ALUM	AN-CLR	SEE SPECS		--	--	--	3E/A8.2	5A/8.2		--		
A100F.7				OH2	ALUM	AN-CLR	SEE SPECS		--	--	--	3E/A8.2	5A/8.2		--		
A106.1	1	3'-6"	7'-0"	F	HM	PT-2			01	HM	PT-2	4C/A8.1	4B/A8.1		12	20 MIN	
A106.2	1	6'-0"	5'-2"	C	SST	SST			--	STL	--	1A/A8.2	4A/A8.2	1A/A8.2	--	60 MIN	
A106A.1	1	3'-6"	7'-0"	F	HM	PT-2			01	HM	PT-2	4C/A8.1	4A/A8.1		11	20 MIN	
A107.1	1	3'-0"	7'-0"	N1-1	HM	PT-2	FPGL-1		01A	HM	PT-2	5C/A8.1	5A/A8.1		05	20 MIN	
A107A.1	1	3'-0"	7'-0"	N1-1	HM	PT-2		GL-1	01A	HM	PT-2	5C/A8.1	5A/A8.1		04		
A107B.1	1	14'-0"	8'-0"	RS1	SST	SST			--	STL	--	5D/A7.4	1D/A7.4		--	90 MIN	
A107B.2	1	3'-0"	7'-10"	N1-1	HM	PT-2	FPGL-1		01	HM	PT-2	5C/A8.1	5A/A8.1		05	20 MIN	
A107B.3	1	14'-0"	8'-0"	RS1	SST	SST			--	STL	--	4B/A7.4	4A/A8.2		--	60 MIN	
A107C.1	2	3'-0"	7'-2"	F	HM	PT-2			02	HM	PT-2	5C/A8.1	5A/A8.1		03		
A107D.1	1	3'-0"	7'-0"	F	HM	PT-2			01	HM	PT-2	5C/A8.1	5A/A8.1		01		
A107E.1	1	3'-0"	7'-0"	F	HM	PT-2			01	HM	PT-2	5C/A8.1	5A/A8.1		02		
A108.1	2	3'-4"	7'-0"	N1-1	HM	PT-2	FPGL-1		02A	HM	PT-2	5B/A8.1	5A/A8.1		07	20 MIN	
A108.2	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM	AN-CLR	5D/A5.0	2C/A5.0	1B/A5.0	21		
A108.3	1	10'-0"	10'-0"	OH1	STL	WHITE	SEE SPECS		--	--	--	2B/A8.2	6A/A8.2	1A/A5.0	--		
A108.4	2	3'-0"	7'-0"	N1-1	HM	PT-2	GL-1		02A	HM	PT-2	5C/A8.1	5A/A8.1		06		
A109.1	2	3'-0"	7'-10"	F	HM	PT-2			17A	HM	PT-2	3B/A7.4	2A/A7.4		10	90 MIN	
A109A.1	2	3'-4"	7'-0"	N1-1	HM	PT-2	GL-1		02A	HM	PT-2	5C/A8.1	5A/A8.1		08		
A109B.1	2	3'-0"	7'-0"	FG2-2	FRP	SLATE GRAY	IGU-1	IGU-1	09	ALUM	AN-CLR	5D/A5.0	2C/A5.0	1B/A5.0	22		
A110.7	2	3'-0"	7'-2"	F	HM	PT-2			02	HM	PT-2	4C/A7.5	3B/A7.5		09	90 MIN	
B135.1	2	3'-0"	7'-0"	FG1-2	ALUM	AN-CLR	GL-1	GL-1	SF-09	ALUM	AN-CLR	1E/A8.1	2E/A8.1		AL4		
B135B.1	2	2'-6"	7'-0"	F	HM	PT-2			02	HM	PT-2	2D/A8.1	3D/A8.1		03A		
C108.1	1	3'-0"	7'-2"	F	WD	WDFIN-1			01	HM	PT-2	4C/A8.1	4B/A8.1		18	20 MIN	
C109.1	1	4'-0"	7'-10"	F	HM	PT-2			01	HM	PT-2	5C/A8.1	5A/A8.1		17	90 MIN	
C109A.1	1	3'-0"	7'-0"	F	HM				01	HM		5C/A8.1	5A/A8.1				
C115.1	2	3'-0"	7'-10"	F	HM	PT-2			02	HM	PT-2	5C/A8.1	5A/A8.1		20	90 MIN	
C116.1	2	3'-0"	7'-10"	F	HM	PT-2			02	HM	PT-2	5B/A8.1	5A/A8.1		21	20 MIN	
C116.2	1	5'-4"	4'-6 1/2"	SV	SST	SST			--	STL	--	2D/A7.5	1C/A7.5	1B/A7.5	--	90 MIN	
C116.3	1	5'-4"	4'-6 1/2"	SV	SST	SST			--	STL	--	2D/A7.5	1C/A7.5	1B/A7.5	--	90 MIN	
C117.1	2	3'-0"	8'-0"	FG2-2	FRP	SLATE GRAY	IGU-1	IGU-1	09	ALUM	AN-CLR	5D/A5.0	2C/A5.0	1B/A5.0	22		REMOVABLE MULLION. KEY FOB
C117.2	2	3'-0"	7'-0"	FG2-2	HM	PT-2	GL-1	GL-1	09	HM	PT-2	5C/A8.1	5A/A8.1		20		
C118.1	2	3'-0"	7'-10"	G1-1	WD	PT-2		FPGL-1	02A	HM	PT-2	5C/A8.1	5A/A8.1		22	20 MIN	
C118.2	2	3'-0"	8'-0"	F	HM	PT-2			36A	--	PT-2	4D/A8.1	5D/A8.1		25		
C118A.1	1	3'-0"	7'-0"	F	HM	PT-2			01	HM	PT-2	5C/A8.1	5A/A8.1		23		
C118A.2	1	6'-0"	7'-4"	CV	SST	SST			--	STL	--	2A/A8.2	4A/A8.2		--		
C120.1	1	6'-0"	7'-4"	CV	SST	SST			--	STL	--	3D/A7.5	4A/A8.2		--	90 MIN	
C120.2	1	3'-0"	7'-0"	F	FRP	SLATE GRAY			SF-05	--	AN-CLR	1D/A5.0	2C/A5.0	1B/A5.0	21		
C120.3	1	10'-0"	14'-8"	OH2	ALUM	AN-CLR	SEE SPECS		--	STL	--	2E/A8.2	6A/A8.2	1A/A5.0	--		
C121.1	1	10'-0"	14'-8"	OH2	ALUM	AN-CLR	SEE SPECS		--	STL	--	2E/A8.2	6A/A8.2	1A/A5.0	--		
C121.2	1	10'-0"	14'-8"	OH2	ALUM	AN-CLR	SEE SPECS		--	STL	--	2E/A8.2	6A/A8.2	1A/A5.0	--		
C121.3	1	10'-0"	14'-8"	OH2	ALUM	AN-CLR	SEE SPECS		--	STL	--	2E/A8.2	6A/A8.2	1A/A5.0	--		
C121.4	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM		3C/A5.1	3B/A5.1		21		
C121A.1	1	3'-0"	7'-2"	G1-1	WD	PT-2	GL-1	GL-1	05B	HM	PT-2	4C/A8.1	4A/A8.1		23		
C123.1	1	5'-4"	4'-6 1/2"	SV	SST	SST			--	STL	--	1D/A7.5	1C/A7.5	1B/A7.5	--	90 MIN	HOOD ABOVE CEILING
C123.2	1	5'-4"	4'-6 1/2"	SV	SST	SST			--	STL	--	1D/A7.5	1C/A7.5	1B/A7.5	--	90 MIN	HOOD ABOVE CEILING
C124.1	1	3'-0"	7'-2"	F	HM	PT-2			01	HM	PT-2	6B/A8.1	6A/A8.1		19	20 MIN	
C124.2	1	3'-0"	7'-2"	G1-1	WD	WDFIN-1	GL-1	GL-1	05B	HM	PT-2	6B/A8.1	6A/A8.1		16		
C125.1	2	3'-0"	7'-10"	G1-1	WD	WDFIN-1	GL-1		02A	HM	PT-2	4C/A8.1	4B/A8.1		03		
C128.1	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM	AN-CLR	3B/A8.2	2C/A5.0	1B/A5.0	23		
C129A	2	3'-0"	7'-0"	FG1-2	ALUM	AN-CLR	--		--	--	AN-CLR	--	--	--	--		BY GREENHOUSE PROVIDER
C129B.1	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM	AN-CLR	3B/A8.2	2C/A5.0	1B/A5.0	21		
C130.1	2	3'-0"	8'-0"	F	HM	PT-2			02A	HM	PT-2	4C/A7.5	3B/A7.5		24	90 MIN	
C130.2	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM	AN-CLR	3C/A5.1	3B/A5.1		23		
C131.1	1	16'-0"	14'-8"	OH2	ALUM	AN-CLR	SEE SPECS		--	STL	--	2E/A8.2	6A/A8.2	1A/A5.0	--		
C131.2	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM	AN-CLR	3C/A5.1	3B/A5.1		23		
C131.3	1	6'-0"	7'-4"	CV	SST	SST			--	STL	--	2A/A8.2	4A/A8.2		--		
C131.4	1	3'-0"	7'-2"	F	FRP	SLATE GRAY			01	ALUM	AN-CLR	3C/A5.1	3B/A5.1		21		
C132.1	2	3'-0"	7'-2"	F	FRP	SLATE GRAY			02	ALUM	AN-CLR	3C/A5.1	3B/A5.1		24		
C200.1	1	3'-0"	7'-2"	F	--				--	--		---	---		25		EXISTING DOOR AND FRAME
C203.1	2	3'-0"	7'-2"	F	--				--	--		---	---		25		EXISTING DOOR AND FRAME
D110.1	2	3'-0"	7'-2"	F	HM	PT-2			02	HM	PT-2	4C/A8.1	4A/A8.1		20	20 MIN	
D124.1	1	8'-0"	7'-4"	CV	SST	SST			--	STL	--	3D/A7.5	6B/A8.2	3A/A7.5	--	90 MIN	
D124A.1	2	3'-0"	7'-0"	F	HM	PT-2			02A	HM	PT-2	5C/A8.1	5A/A8.1		03		

BORROWED LITE SCHEDULE

MARK	TYPE	WIDTH	HEIGHT	SILL HEIGHT	FRAME MATERIAL	FRAME FINISH	GLASS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	COMMENTS
BL-A100.1	BL01	6'-8"	5'-10"	2'-10"	ALUM	AN-CLR	FRGL-1	4A/A8.1	4B/A8.1	4C/A8.1	45 MIN	
BL-A107A.1	BL02	6'-0"	4'-8"	3'-0"	HM	PT-2	GL-1	1A/A8.1	1B/A8.1	1C/A8.1		
BL-B135.1	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-B135.2	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-B135.3	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-B135.4	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-C107.1	BL04	6'-0"	4'-0"	3'-4"	HM	PT-2	FPGL-1	2A/A8.1	2B/A8.1	2C/A8.1	60 MIN	
BL-C109.1	BL04	6'-0"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-C109.2	BL04	6'-0"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-C109.3	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-C109.4	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-C109.5	BL03	2'-8"	4'-0"	3'-4"	HM	PT-2	FRGL-1	2A/A8.1	2B/A8.1	2C/A8.1	45 MIN	
BL-C109.6	BL04	6'-0"	4'-0"	3'-4"	HM	PT-2	FRGL-1				45 MIN	
BL-C109.7	BL05	5'-4"	4'-8"	3'-4"	HM	PT-2	GL-1	2C/A5.2	6D/A5.2	6B/A5.2		
BL-C109.8	BL05	5'-4"	4'-8"	3'-4"	HM	PT-2	GL-1	2C/A5.2	6D/A5.2	6B/A5.2		
BL-C116.1	BL06	6'-0"	4'-8"	3'-4"	HM	PT-2	FRGL-1	1A/A8.1	1B/A8.1	1C/A8.1	45 MIN	
BL-C116.2	BL06	6'-0"	4'-8"	3'-4"	HM	PT-2	FRGL-1	1A/A8.1	1B/A8.1	1C/A8.1	45 MIN	
BL-C116.3	BL06	6'-0"	4'-8"	3'-4"	HM	PT-2	FRGL-1	1A/A8.1	1B/A8.1	1C/A8.1	45 MIN	
BL-C118.1	BL07	10'-0"	4'-0"	3'-4"	HM	PT-2	GL-1	1A/A8.1	1B/A8.1	1C/A8.1		
BL-C118.2	BL04	6'-0"	4'-0"	3'-4"	HM	PT-2	GL-1	1A/A8.1	1B/A8.1	1C/A8.1		
BL-C123.1	BL05	5'-4"	4'-8"	2'-8"	HM	PT-2	GL-1	2C/A5.2	6D/A5.2			
BL-C123.2	BL05	5'-4"	4'-8"	2'-8"	HM	PT-2	GL-1	2C/A5.2	6D/A5.2			
BL-C124.1	BL02	6'-0"	4'-8"	2'-8"	HM	PT-2	GL-1	2A/A8.1	2B/A8.1	2C/A8.1		
BL-C124.2	BL09	6'-8"	4'-8"	3'-0"	HM	PT-2	GL-1	2A/A8.1	2B/A8.1	2C/A8.1		
BL-C124.3	BL09	6'-8"	4'-8"	3'-0"	HM	PT-2	GL-1	2A/A8.1	2B/A8.1	2C/A8.1		
BL-C126.1	BL02	6'-0"	4'-8"	2'-8"	HM	PT-2	GL-1	2A/A8.1	2B/A8.1	2C/A8.1		
BL-C126.2	BL02	6'-0"	4'-8"	3'-0"	HM	PT-2	GL-1	1A/A8.1	1B/A8.1	1C/A8.1		
BL-C126.3	BL07	10'-0"	4'-0"	3'-4"	HM	PT-2	FPGL-2	2A/A8.1	2B/A8.1	2C/A8.1	60 MIN	



DOOR TYPE F
FLUSH

DOOR TYPE G1-1
HALF GLASS

DOOR TYPE FG1-2
WIDE STILE
ALUMINUM DOOR

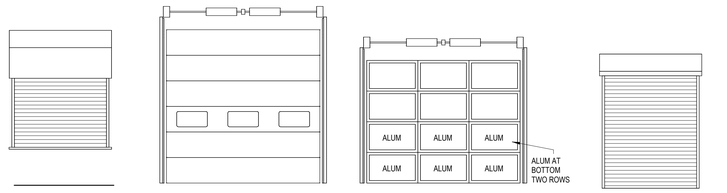
DOOR TYPE FG2-1
FULL GLASS W/
PUSH BAR STILE

DOOR TYPE FG2-2
FULL GLASS w/ PUSH BAR
WIDE STILE
ALUMINUM DOOR

DOOR TYPE N1-1
6" NARROW LITE

REMOVE UNUSED DOOR TYPES

DOOR PANEL LEGEND



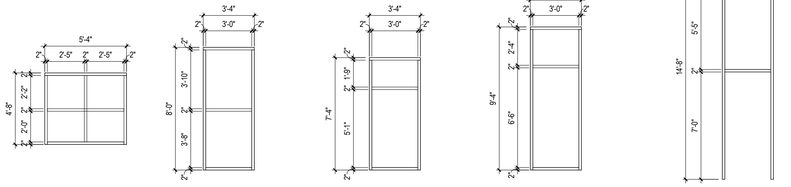
DOOR TYPE C
COILING COUNTER DOOR
PROJECT MANUAL SECTION 08 33 23

DOOR TYPE OH1
SECTIONAL OVERHEAD DOOR
PROJECT MANUAL SECTION 08 36 13

DOOR TYPE OH2
OVERHEAD DOOR W/ GLAZING
PROJECT MANUAL SECTION 08 36 16

DOOR TYPE RS1
COILING OVERHEAD DOOR
PROJECT MANUAL SECTION 08 33 23

OVERHEAD DOOR TYPES



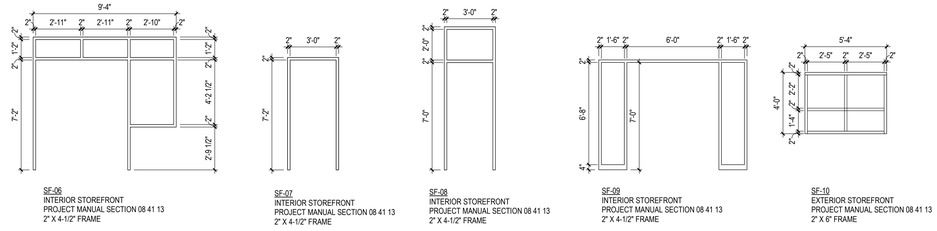
SF-01
EXTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 6" FRAME

SF-02
INTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 4-1/2" FRAME

SF-03
EXTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 6" FRAME

SF-04
EXTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 6" FRAME

SF-05
EXTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 6" FRAME



SF-06
INTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 4-1/2" FRAME

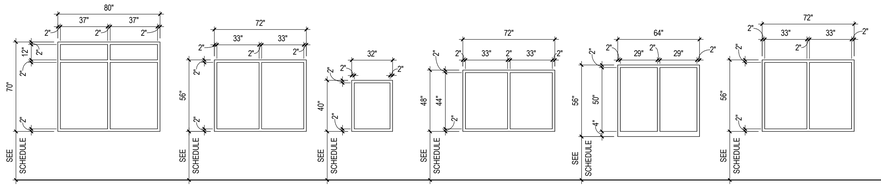
SF-07
INTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 4-1/2" FRAME

SF-08
INTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 4-1/2" FRAME

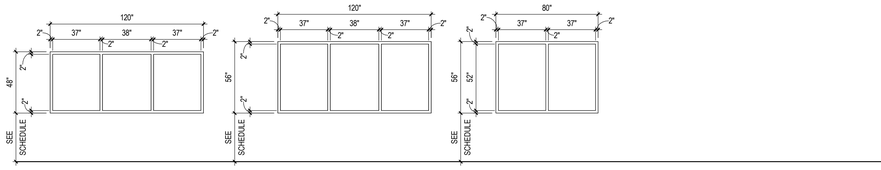
SF-09
INTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 4-1/2" FRAME

SF-10
EXTERIOR STOREFRONT
PROJECT MANUAL SECTION 08 41 13
2" X 6" FRAME

FENESTRATION TYPES

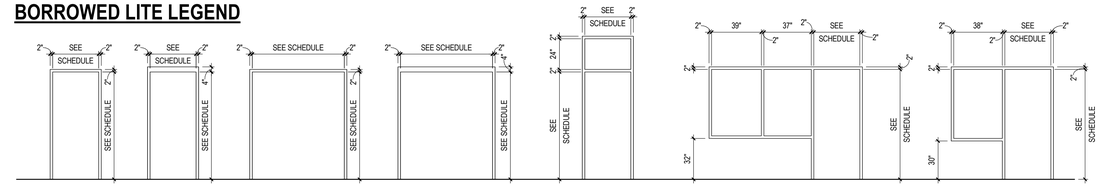


BL01 BL02 BL03 BL04 BL05 BL06

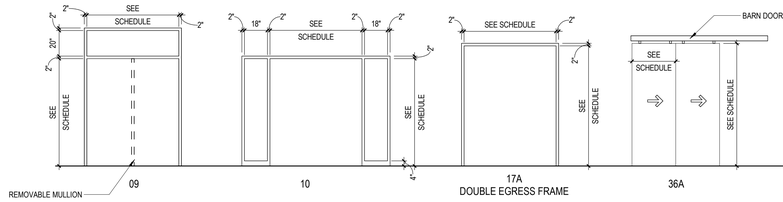


BL07 BL08 BL09

BORROWED LITE LEGEND



01 01A 02 02A 04 05A 05B



REMOVABLE MULLION — 09 10 17A DOUBLE EGRESS FRAME 36A

DOOR FRAME LEGEND

Autodesk Docs://3705 - Whitewater Unified School District Facility Master Planning 2024/3705_Whitewater High School.rvt
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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
DOOR & WINDOW SCHEDULES & TYPES

Sheet Number:
A8.0

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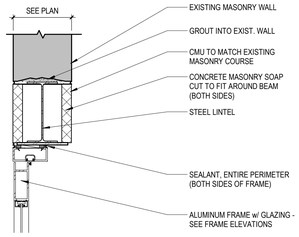
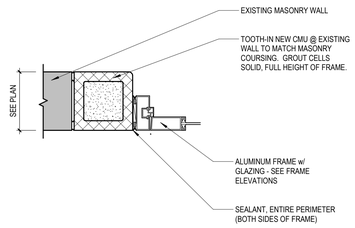
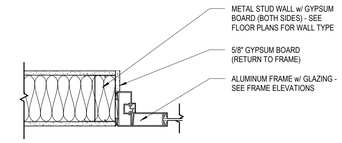


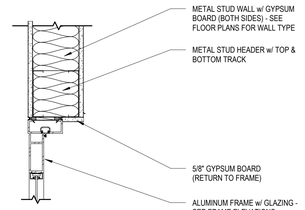
4E HM DOOR HEAD- CMU - STEEL
A8.1 Scale: 1 1/2" = 1'-0"



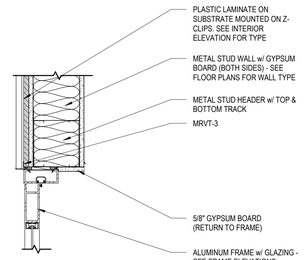
3E ALUM DOOR JAMB - CMU - TOOTH-IN
A8.1 Scale: 1 1/2" = 1'-0"



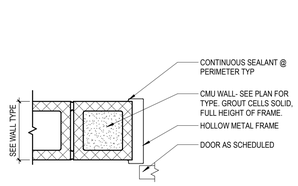
2E ALUM DOOR JAMB @ STUD WALL
A8.1 Scale: 1 1/2" = 1'-0"



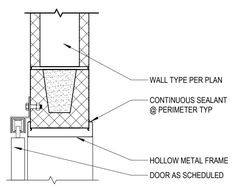
1E ALUM DOOR HEAD @ STUD WALL
A8.1 Scale: 1 1/2" = 1'-0"



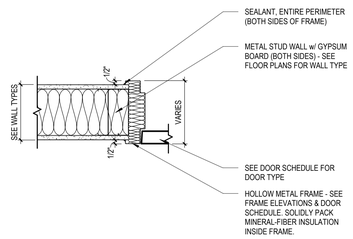
6D ALUM DOOR HEAD @ STUD WALL
A8.1 Scale: 1 1/2" = 1'-0"



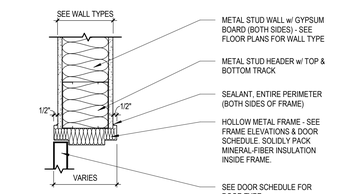
5D BARN DOOR JAMB - CMU
A8.1 Scale: 1 1/2" = 1'-0"



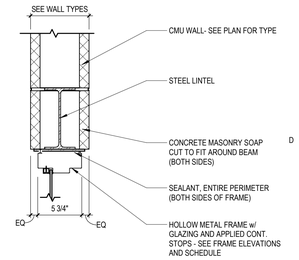
4D BARN DOOR HEAD - CMU
A8.1 Scale: 1 1/2" = 1'-0"



3D HM DOOR JAMB @ STUD WALL
A8.1 Scale: 1 1/2" = 1'-0"



2D HM DOOR HEAD @ STUD WALL
A8.1 Scale: 1 1/2" = 1'-0"



1D HM BORROWED LITE - HEAD - STEEL
A8.1 Scale: 1 1/2" = 1'-0"

6C ALUM DOOR JAMB @ STUD WALL
A8.1 Scale: 1 1/2" = 1'-0"

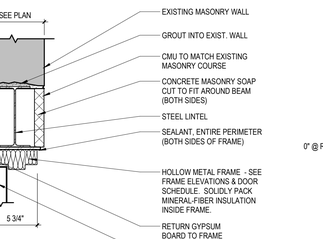
5C HM DOOR HEAD- CMU
A8.1 Scale: 1 1/2" = 1'-0"

4C HM DOOR HEAD- CMU - STEEL
A8.1 Scale: 1 1/2" = 1'-0"

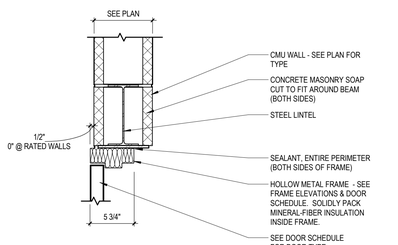
3C HM BORROWED LITE HEAD
A8.1 Scale: 1 1/2" = 1'-0"

2C HM BORROWED LITE - HEAD - EXIST
A8.1 Scale: 1 1/2" = 1'-0"

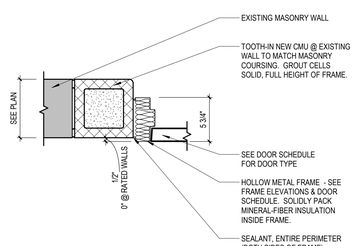
1C HM BORROWED LITE - HEAD - CMU
A8.1 Scale: 1 1/2" = 1'-0"



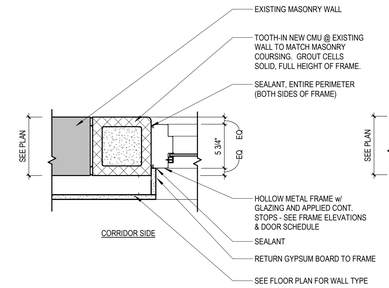
6B HM DOOR HEAD- CMU - STEEL
A8.1 Scale: 1 1/2" = 1'-0"



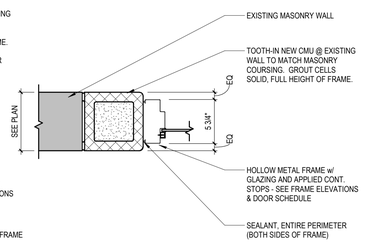
5B HM DOOR HEAD- CMU - STEEL
A8.1 Scale: 1 1/2" = 1'-0"



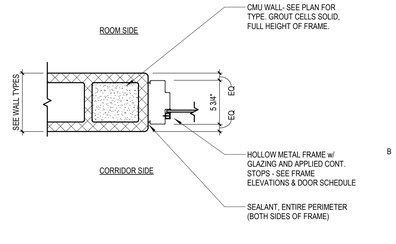
4B HM DOOR JAMB - CMU - TOOTH-IN
A8.1 Scale: 1 1/2" = 1'-0"



3B HM BORROWED LITE JAMB
A8.1 Scale: 1 1/2" = 1'-0"



2B HM BORROWED LITE - JAMB - EXIST
A8.1 Scale: 1 1/2" = 1'-0"

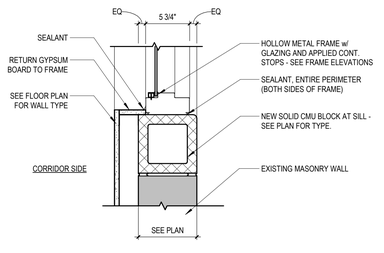


1B HM BORROWED LITE - JAMB - NEW
A8.1 Scale: 1 1/2" = 1'-0"

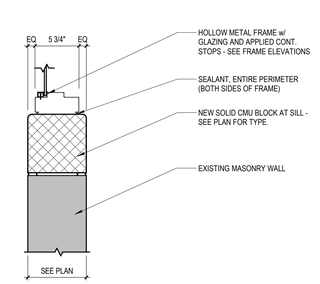
6A HM DOOR JAMB
A8.1 Scale: 1 1/2" = 1'-0"

5A HM DOOR JAMB - CMU
A8.1 Scale: 1 1/2" = 1'-0"

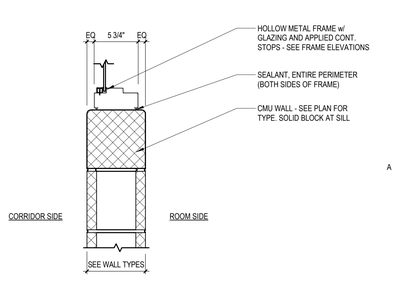
4A HM DOOR JAMB - CMU - EXIST
A8.1 Scale: 1 1/2" = 1'-0"



3A HM BORROWED LITE SILL
A8.1 Scale: 1 1/2" = 1'-0"



2A HM BORROWED LITE - SILL - EXIST
A8.1 Scale: 1 1/2" = 1'-0"



1A HM BORROWED LITE - SILL - NEW
A8.1 Scale: 1 1/2" = 1'-0"

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ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
DOOR & WINDOW DETAILS

Sheet Number:
A8.1

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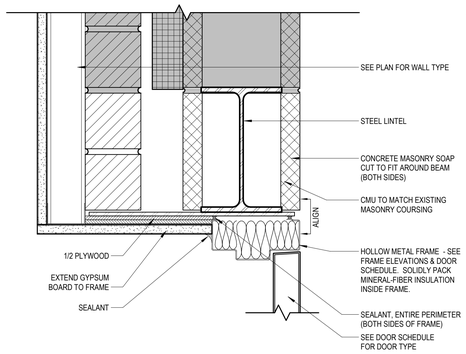
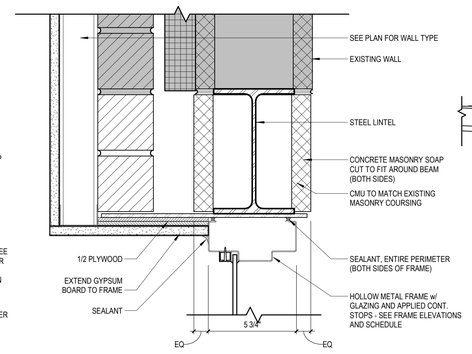
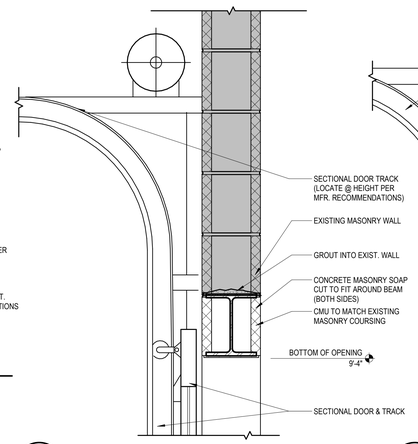


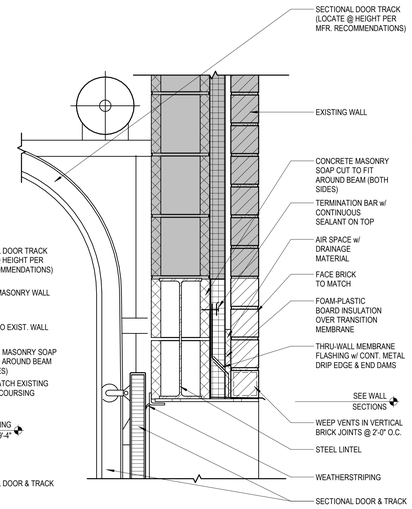
6E HM DOOR HEAD - EXIST
A8.2 Scale: 3" = 1'-0"



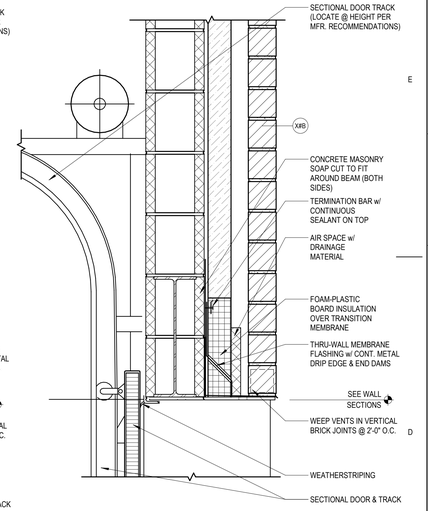
4E HM BORROWED LITE HEAD - EXIST
A8.2 Scale: 3" = 1'-0"



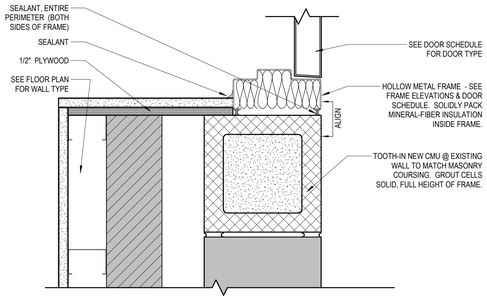
3E OVERHEAD DOOR HEAD - INTERIOR
A8.2 Scale: 1 1/2" = 1'-0"



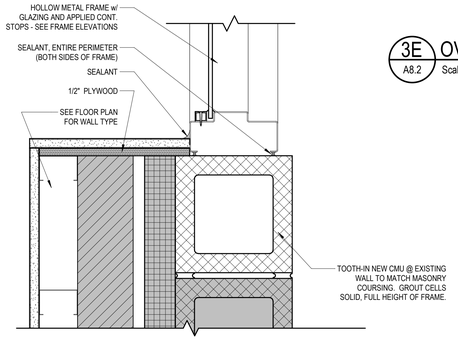
2E OVERHEAD DOOR HEAD - EXIST
A8.2 Scale: 1 1/2" = 1'-0"



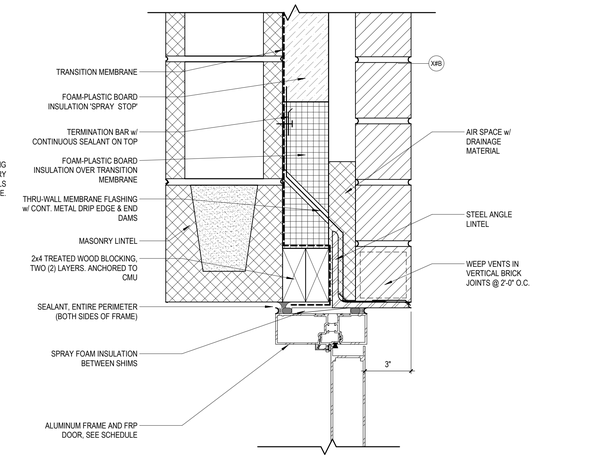
1E OVERHEAD DOOR HEAD - NEW
A8.2 Scale: 1 1/2" = 1'-0"



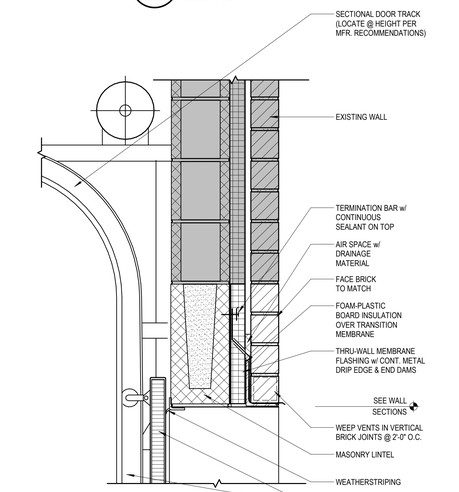
6C HM DOOR JAMB - EXIST
A8.2 Scale: 3" = 1'-0"



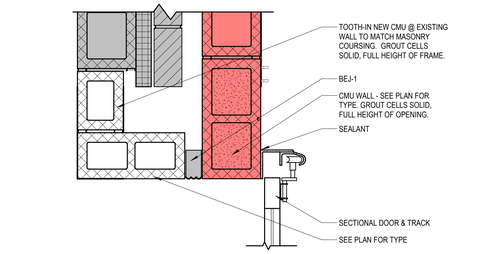
4C HM BORROWED LITE JAMB - EXIST
A8.2 Scale: 3" = 1'-0"



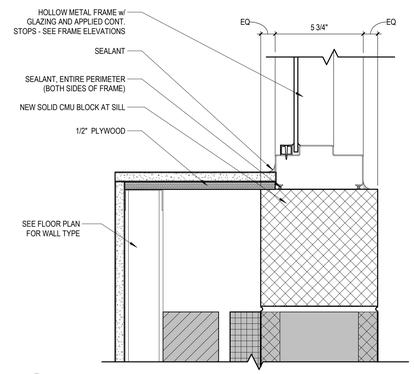
3B DOOR HEAD - CMU / BRICK - MASONRY
A8.2 Scale: 3" = 1'-0"



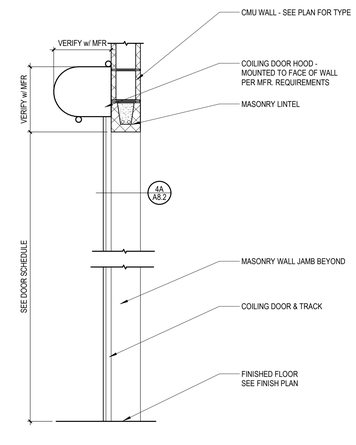
2B OVERHEAD DOOR HEAD - EXIST
A8.2 Scale: 1 1/2" = 1'-0"



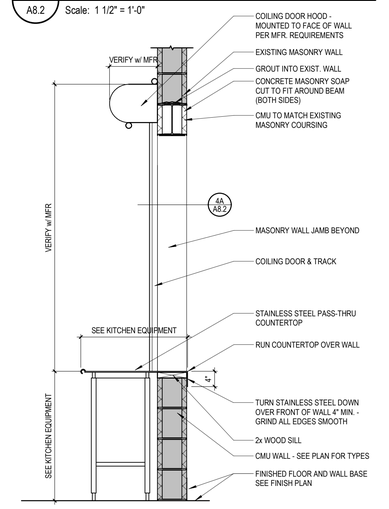
6B OVERHEAD DOOR JAMB @ EXISTING
A8.2 Scale: 1 1/2" = 1'-0"



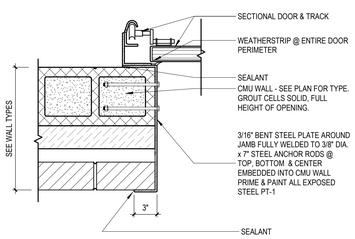
4B HM BORROWED LITE SILL- EXIST
A8.2 Scale: 3" = 1'-0"



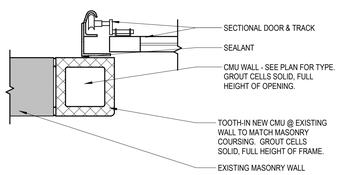
2A COILING FIRE DOOR
A8.2 Scale: 3/4" = 1'-0"



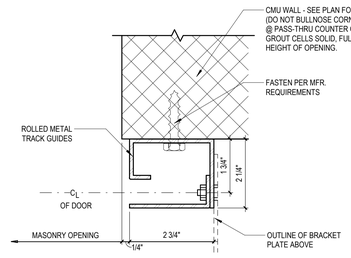
1A COILING COUNTER DOOR
A8.2 Scale: 3/4" = 1'-0"



6A OVERHEAD DOOR JAMB
A8.2 Scale: 1 1/2" = 1'-0"



5A OVERHEAD DOOR JAMB - INTERIOR
A8.2 Scale: 1 1/2" = 1'-0"



4A COILING DOOR TRACK JAMB
A8.2 Scale: 6" = 1'-0"

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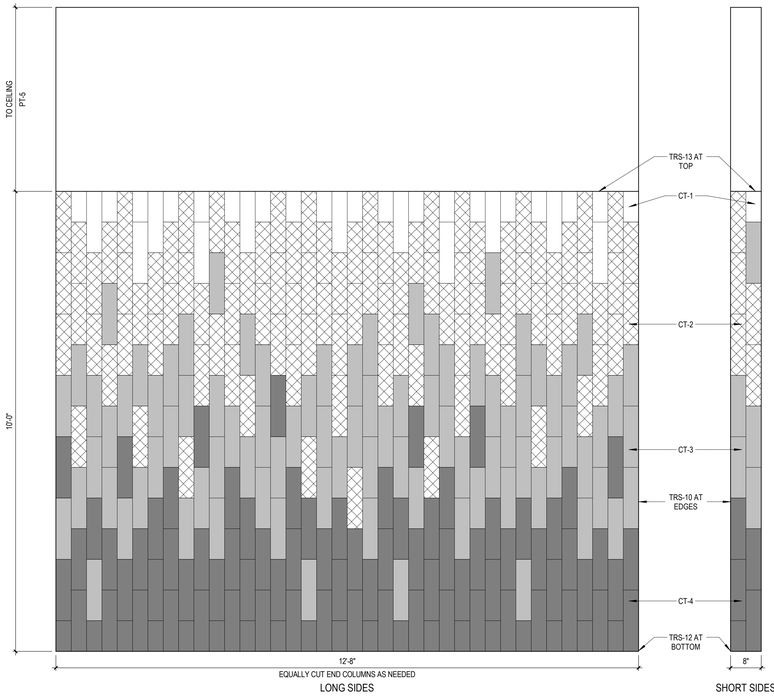
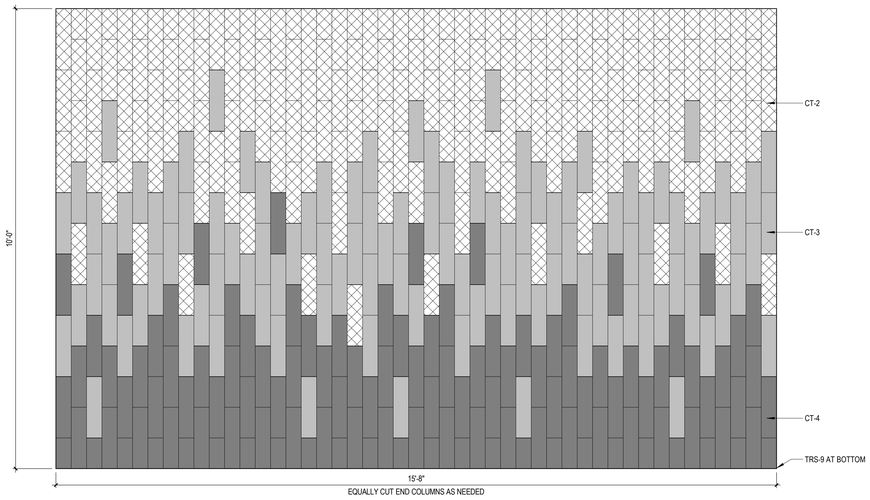
INTERIOR FINISH LEGEND

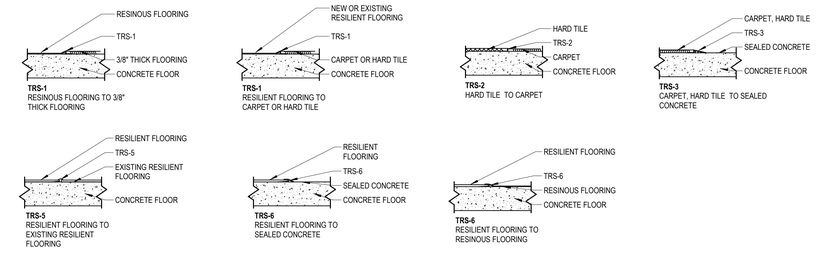
TAG	MATERIAL (GENERIC TYPE)	MATERIAL MANUFACTURER	MATERIAL SPECIFICATION	MATERIAL SIZE	MATERIAL NOTES
CG-A1	CORNER GUARD 90 DEGREE	INPRO	COLOR: PEBBLE GRAY 0387		TO BE USED WITH PT-1
CG-B1	CORNER GUARD STAINLESS STEEL	INPRO			
CPT-1	MODULAR CARPET TILE	INTERFACE	STYLE: DETOURS COLOR: 104717 ONYX	TILE SIZE: 50 CM X 50 CM	AUDITORIUM CARPET, INSTALLATION: QUARTER-TURN CONTACT: DANIELLE GALETI (715)-409-1408
CPT-2	BROADLOOM CARPET	PHILADELPHIA COMMERCIAL	STYLE: PROFUSION 20 COLOR: PLETHORA 00520	SIZE: 12' WIDE	ROBOTICS LAB
CT-1	CERAMIC TILE	DALTILE	STYLE: COLOR WHEEL LINEAR COLOR: MATTE ARCTIC WHITE 0790	TILE SIZE: 4" X 16"	INSTALLATION: VERTICAL ASHLAR, SEE ELEVATIONS, USE WITH GT-1 CONTACT: DANIELLE WEYMAN (303)-990-1998
CT-2	CERAMIC TILE	DALTILE	STYLE: COLOR WHEEL LINEAR COLOR: MATTE DESERT GRAY X714	TILE SIZE: 4" X 16"	INSTALLATION: VERTICAL ASHLAR, SEE ELEVATIONS, USE WITH GT-1 CONTACT: DANIELLE WEYMAN (303)-990-1998
CT-3	CERAMIC TILE	DALTILE	STYLE: COLOR WHEEL LINEAR COLOR: MATTE SUEDE GRAY 0782	TILE SIZE: 4" X 16"	INSTALLATION: VERTICAL ASHLAR, SEE ELEVATIONS, USE WITH GT-1 CONTACT: DANIELLE WEYMAN (303)-990-1998
CT-4	CERAMIC TILE	DALTILE	STYLE: COLOR WHEEL LINEAR COLOR: MATTE CHALKBOARD 0780	TILE SIZE: 4" X 16"	INSTALLATION: VERTICAL ASHLAR, SEE ELEVATIONS, USE WITH GT-1 CONTACT: DANIELLE WEYMAN (303)-990-1998
CT-5	CERAMIC TILE	DALTILE	STYLE: PORTFOLIO COLOR: ASH GREY PF05	TILE SIZE: 12" X 24"	INSTALLATION: ASHLAR, USE WITH GT-1 CONTACT: DANIELLE WEYMAN (303)-990-1998
FRP-1	FIBER REINFORCED PANEL	MARLITE	P 100 WHITE CLASS A		
FRP-2	FIBER REINFORCED PANEL	MARLITE	P 151 LIGHT GREY CLASS A		
GT-1	GROUT	BOSTIK	STYLE: TRUCOLOR COLOR: SHADOW H195		
LKR-1	LOCKER	PENCO	COLOR: 028 GRAY		
PCONC-1	POLISHED CONCRETE	SEE PROJECT MANUAL SECTION 03 35 43			
PLAM-1	PLASTIC LAMINATE	WILSONART	COLOR: TUSCAN WALNUT 7921-38		CAFETERIA PLAM WALL PANELING CONTACT: SHPRESA TAIRI (414)630-8414
PLAM-2	PLASTIC LAMINATE	WILSONART	COLOR: HOLLYBERRY D307-60		VERTICAL SURFACES CONTACT: SHPRESA TAIRI (414)630-8414
PLAM-3	PLASTIC LAMINATE	WILSONART	COLOR: PEWTER BRUSH 4779-60		COUNTERTOPS CONTACT: SHPRESA TAIRI (414)630-8414
PLAM-4	PLASTIC LAMINATE	WILSONART	COLOR: SATIN BRUSHED NATURAL ALUMINUM 6257		DOUBLE-SIDED DISPLAY CASE TRIM CONTACT: SHPRESA TAIRI (414)630-8414
PT-1	PAINT	SHERWIN WILLIAMS	COLOR: SW 7029 AGREEABLE GRAY		FIELD WALL COLOR
PT-2	PAINT	SHERWIN WILLIAMS	COLOR: SW 7068 GRIZZLE GRAY		HMDF, DARK GRAY ACCENT
PT-3	PAINT	SHERWIN WILLIAMS	COLOR: SW 7074 SOFTWARE		MEDIUM GRAY ACCENT
PT-4	PAINT	SHERWIN WILLIAMS	COLOR: SW 7066 GRAY MATTERS		MEDIUM GRAY ACCENT
PT-5	PAINT	SHERWIN WILLIAMS	COLOR: SW 7005 PURE WHITE		WHITE EXPOSED CEILING
PT-6	PAINT	SHERWIN WILLIAMS	COLOR: SW 6594 POINSETTIA		RED ACCENT
PT-7	PAINT	SHERWIN WILLIAMS	COLOR: SW 4584 SAFETY YELLOW		
RES-1	RESINOUS FLOORING (EPOXY)	STONHARD	STYLE: STONSHIELD UTS COLOR: DRIFTWOOD		KITCHEN, DISHWASHING & AUTOS LAB CONTACT: ROB LENTZ (574)-229-4388
RES-2	RESINOUS FLOORING	STONHARD	STYLE: STONSHIELD SLT COLOR: DRIFTWOOD		KITCHEN RESTROOM
RESB-1	RESINOUS BASE	STONHARD	STYLE: STONSHIELD UTS COLOR: DRIFTWOOD	4" INTEGRAL COVE BASE	
RESB-2	RESINOUS BASE	STONHARD	STYLE: STONSHIELD SLT COLOR: DRIFTWOOD	4" INTEGRAL COVE BASE	
RUB-1	RUBBER FLOORING - RESILIENT TILE	TARKETT	STYLE: COLOR SPLASH COLOR: GORGE AREA VF5	TILE SIZE: 24" x 24"	ROBOTICS LAB CONTACT: MELISSA SMITH (414)-299-0156
SCONC-1	SEALED CONCRETE	SEE PROJECT MANUAL SECTION 03 30 00			
SSF-1	SOLID SURFACE (WINDOW SILLS)	FORMICA	COLOR: LUNA CONCRETE 781		WINDOW SILLS CONTACT: MELISSA WESSING (262)-716-2164
SSF-2	SOLID SURFACE	FORMICA	COLOR: LUNA STORM 775		CAFETERIA COUNTERTOPS, HALF WALL CAPS CONTACT: MELISSA WESSING (262)-716-2164
STAC-2	STAIR ACCESSORY - TREAD/RISER COMBO WITH VISION STRIP	TARKETT	STYLE: ANGLE FIT RUBBER STAIR TREAD WITH VISION STRIP, RAISED ROUNDS COLOR: CHARCOAL 20 INSERT VISION STRIP: CANARY TG7		METALS LAB CONTACT: MELISSA SMITH (414)-299-0156
TRS-1	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: RENO-U COLOR: BRUSHED STAINLESS		
TRS-2	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: SCHIENE COLOR: BRUSHED STAINLESS		
TRS-3	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: RENO RAMP COLOR: SATIN ANODIZED ALUMINUM		
TRS-5	TRANSITION STRIP	JOHNSONITE	STYLE: SLT-20-B COLOR: CHARCOAL 20		
TRS-6	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: VINPRO-U COLOR: BRUSHED STAINLESS		
TRS-9	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: DILEX-AHK COLOR: SATIN ANODIZED ALUMINUM		
TRS-10	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: RONDEC COLOR: BRUSHED STAINLESS		
TRS-11	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: SCHEINE COLOR: BRUSHED STAINLESS		
TRS-12	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: DILEX-AHKA COLOR: BRUSHED STAINLESS		
TRS-13	TRANSITION STRIP	SCHLUTER SYSTEMS	STYLE: JOLLY COLOR: ANODIZED ALUMINUM		
TRS-14	TRANSITION STRIP (NOSING)	TARKETT	STYLE: SLN-20-A COLOR: CHARCOAL 20		AUDITORIUM RAMP/STEP NOSING CONTACT: MELISSA SMITH (414)-299-0156
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STYLE: STANDARD EXCELON IMPERIAL TEXTURE COLOR: WASHED LINEN 51810	TILE SIZE: 12" X 12"	FIELD COLOR, INSTALLATION: QUARTER-TURN CONTACT: LARRY JACOBSON (608)-250-9469
VCT-2	VINYL COMPOSITION TILE	ARMSTRONG	STYLE: STANDARD EXCELON IMPERIAL TEXTURE COLOR: STERLING 51904	TILE SIZE: 12" X 12"	LIGHT GRAY ACCENT, INSTALLATION: QUARTER-TURN CONTACT: LARRY JACOBSON (608)-250-9469
VCT-3	VINYL COMPOSITION TILE	ARMSTRONG	STYLE: STANDARD EXCELON IMPERIAL TEXTURE COLOR: CHARCOAL 51915	TILE SIZE: 12" X 12"	DARK GRAY ACCENT, INSTALLATION: QUARTER-TURN CONTACT: LARRY JACOBSON (608)-250-9469
VCT-4	VINYL COMPOSITION TILE	ARMSTRONG	STYLE: STANDARD EXCELON IMPERIAL TEXTURE COLOR: RUBY RED 57534	TILE SIZE: 12" X 12"	RED ACCENT, INSTALLATION: QUARTER-TURN CONTACT: LARRY JACOBSON (608)-250-9469
WB-1	RESILIENT WALL BASE	JOHNSONITE	COLOR: CHARCOAL 20		
WB-2	RESILIENT WALL BASE (VENTED)	JOHNSONITE	COLOR: MATCH EXISTING (GYM)		
WDFLR-1	WOOD FLOOR	SEE PROJECT MANUAL SECTION 09 64 63			STAGE FLOORING
WDWT-1	WINDOW TREATMENT (MANUAL ROLLER SHADES)	SWF CONTRACT	STYLE: MANUAL ROLLER SHADES, PULL CHAIN OPERATION, ICLUDE VALANCE SERIES: CROSSHATCH R, R300 3% OPENNESS COLOR: WHITE/EGGSHELL		SEE REFLECTED CEILING PLANS, FIELD MEASURE
WDWT-2	WINDOW TREATMENT (MOTORIZED ROLLER SHADES)	SWF CONTRACT	STYLE: MOTORIZED ROLLER SHADES, PULL CHAIN OPERATION, INCLUDE VALANCE SERIES: CROSSHATCH R, R300 3% OPENNESS COLOR: WHITE/EGGSHELL		SEE REFLECTED CEILING PLAN, FIELD MEASURE
WDWT-3	WINDOW TREATMENT (MOTORIZED BLACKOUT ROLLER SHADES)	SWF CONTRACT	STYLE: MOTORIZED BLACKOUT ROLLER SHADES, PULL CHAIN OPERATION, INCLUDE VALANCE SERIES: ENTERPRISE COLOR: WHITE		SEE REFLECTED CEILING PLAN, FIELD MEASURE
WDWT-4	WINDOW TREATMENT	SWF CONTRACT	STYLE: MANUAL BLACKOUT ROLLER SHADES, PULL CHAIN OPERATION, INCLUDE VALANCE SERIES: ENTERPRISE COLOR: WHITE		
WOT-1	MODULAR WALK OFF CARPET TILE	TARKETT	STYLE: ABRASIVE ACTION II COLOR: WINTER GRAY 19103	TILE SIZE: 24" X 24"	INSTALLATION: NON-DIRECTIONAL CONTACT: MELISSA SMITH (414)-299-0156



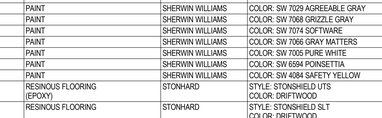
4D CAFETERIA A100 TILE GRADIENT
A9.0 Scale: 3/4" = 1'-0"



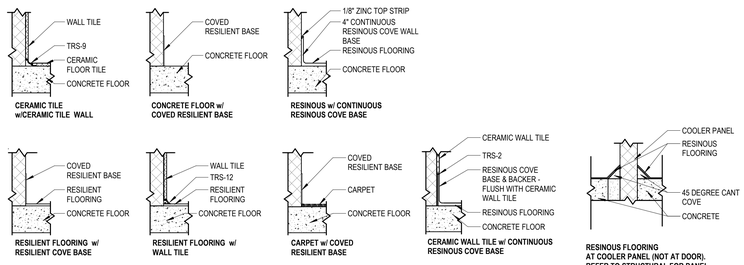
4B ENTRANCE A104 TILE GRADIENT
A9.0 Scale: 3/4" = 1'-0"



4A TYPICAL FLOOR TRANSITIONS
A9.0 Scale: 1 1/2" = 1'-0"



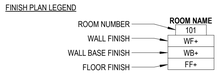
6B TYPICAL OUTSIDE CORNERS AT TILE
A9.0 Scale: 3" = 1'-0"



6A TYPICAL FLOOR TO BASE CONDITIONS
A9.0 Scale: 1 1/2" = 1'-0"

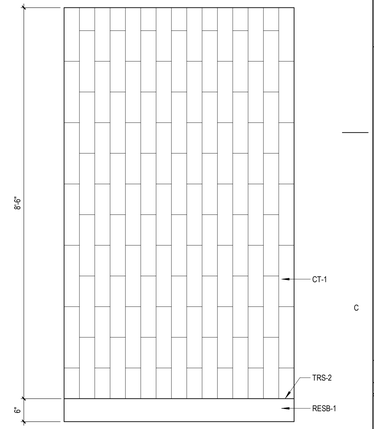
GENERAL FINISH NOTES

FINISH PLAN LEGEND

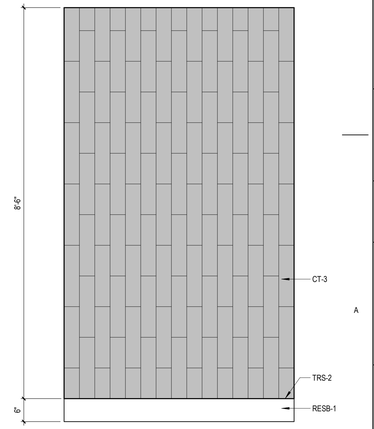


FINISH PLAN GENERAL NOTES:

1. SEE INTERIOR FINISH LEGEND FOR ALL FINISH KEYNOTES (FINISH TAGS)
2. INTERIOR FINISHES AS DEFINED BY THE 2015 INTERNATIONAL BUILDING CODE – ARE TO BE IN ACCORDANCE WITH THE CODE REQUIREMENTS SET FORTH IN CHAPTER 8 OF THE 2015 IBC AS WELL AS ALL OTHER STATE/LOCAL CODE REQUIREMENTS.
3. FOLLOW MANUFACTURER'S WRITTEN INSTALLATION GUIDELINES FOR ALL FINISHES/MATERIALS.
4. REFERENCE FINISH PLANS, ELEVATIONS AND REFLECTED CEILING PLAN FOR LOCATIONS OF ALL MATERIALS.
5. FLOORING CONTRACTOR TO PROVIDE SEAM DIAGRAM OR INSTALLATION DIAGRAM FOR CARPET TO INTERIOR DESIGNER VIA SUBMITTAL FOR APPROVAL PRIOR TO INSTALLATION.
6. FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
7. PROVIDE TRANSITION STRIPS AT CHANGES IN FLOORING.
8. SEE DETAILS AND INTERIOR FINISH LEGEND FOR FLOORING TRANSITION TYPES.
9. SEE ELEVATIONS AND DETAILS FOR MILLWORK FINISHES.
10. FIELD PAINT IN ANY SPACE IS NOTED IN ROOM TAG. ACCENT PAINT AND ANY ADDITIONAL FINISHES ARE NOTED ON THE FINISH PLANS.
11. ALL EXTERIOR CORNERS OF GYPSUM BOARD WALLS TO HAVE CORNER GUARDS. SEE INTERIOR FINISH LEGEND FOR CORRECT CG COLOR TO USE AT EACH PAINT COLOR.
12. ROOM FINISH TAG IS SHOWN ABOVE. ALL ROOMS TO RECEIVE ANY NEW FINISHES SHOW A ROOM FINISH TAG. ROOMS WITH NO NEW FINISHES SHOW ROOM NAME AND NUMBER ONLY.
13. MECHANICAL GRILLES AND DIFFUSERS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL GRILLE SCHEDULE.



1C RESTROOM TILE TYPICAL
A9.0 Scale: 3/4" = 1'-0"



1A RESTROOM TILE ACCENT
A9.0 Scale: 3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS
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Project Number:
3705

Sheet Title:
INTERIOR FINISH LEGEND & GENERAL FINISH NOTES

Sheet Number:
A9.0

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GENERAL FINISH NOTES

FINISH PLAN LEGEND

ROOM NUMBER — ROOM NAME 101
WALL FINISH — WF+
WALL BASE FINISH — WB+
FLOOR FINISH — FF+

+ SYMBOL INDICATES MORE THAN ONE TYPE OF SPECIFIED FINISH IN ROOM.

FINISH PLAN GENERAL NOTES:

1. SEE INTERIOR FINISH LEGEND FOR ALL FINISH KEYNOTES (FINISH TAGS)
2. INTERIOR FINISHES AS DEFINED BY THE 2015 INTERNATIONAL BUILDING CODE – ARE TO BE IN ACCORDANCE WITH THE CODE REQUIREMENTS SET FORTH IN CHAPTER 8 OF THE 2015 IBC AS WELL AS ALL OTHER STATE/LOCAL CODE REQUIREMENTS.
3. FOLLOW MANUFACTURER'S WRITTEN INSTALLATION GUIDELINES FOR ALL FINISHES/MATERIALS.
4. REFERENCE FINISH PLANS, ELEVATIONS AND REFLECTED CEILING PLAN FOR LOCATIONS OF ALL MATERIALS.
5. FLOORING CONTRACTOR TO PROVIDE SEAM DIAGRAM OR INSTALLATION DIAGRAM FOR CARPET TO INTERIOR DESIGNER VIA SUBMITTAL FOR APPROVAL PRIOR TO INSTALLATION.
6. FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
7. PROVIDE TRANSITION STRIPS AT CHANGES IN FLOORING.
8. SEE DETAILS AND INTERIOR FINISH LEGEND FOR FLOORING TRANSITION TYPES.
9. SEE ELEVATIONS AND DETAILS FOR MILLWORK FINISHES.
10. FIELD PAINT IN ANY SPACE IS NOTED IN ROOM TAG. ACCENT PAINT AND ANY ADDITIONAL FINISHES ARE NOTED ON THE FINISH PLANS.
11. ALL EXTERIOR CORNERS OF GYPSUM BOARD WALLS TO HAVE CORNER GUARDS. SEE INTERIOR FINISH LEGEND FOR CORRECT CG COLOR TO USE AT EACH PAINT COLOR.
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FLOORING LEGEND

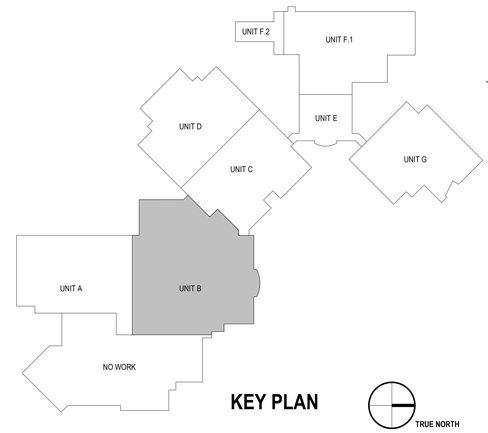
VCT TYPES

- VCT-1
- VCT-2
- VCT-3
- VCT-4

KEYNOTE LEGEND

CG-A1	CORNER GUARDS – SEE INTERIOR FINISH LEGEND
CG-B1	CORNER GUARDS (STAINLESS STEEL) – SEE INTERIOR FINISH LEGEND
FRP-1	FIBER REINFORCED PANEL – SEE INTERIOR FINISH LEGEND
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
PT-6	PAINT - SEE INTERIOR FINISH LEGEND
PTE-2	PAINT EXISTING FRAME PT-2
PTE-2A	PAINT EXISTING DOOR AND FRAME PT-2
VCT-3	VINYL COMPOSITION TILE - SEE INTERIOR FINISH LEGEND
WB-1	WALL BASE - SEE INTERIOR FINISH LEGEND
WB-2	WALL BASE - SEE INTERIOR FINISH LEGEND

1 A9.1B FIRST FLOOR FINISH PLAN - UNIT B
Scale: 1/8" = 1'-0"



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UNIT B - FIRST FLOOR FINISH PLAN

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FLOORING LEGEND

VCT TYPES

- VCT-1
- VCT-2
- VCT-3
- VCT-4

KEYNOTE LEGEND

CG-A1	CORNER GUARDS – SEE INTERIOR FINISH LEGEND
CT-1	TILE - SEE INTERIOR FINISH LEGEND
FRP-2	FIBER REINFORCED PANEL – SEE INTERIOR FINISH LEGEND
PLAM-2	PLASTIC LAMINATE - SEE INTERIOR FINISH LEGEND
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-5	PAINT - SEE INTERIOR FINISH LEGEND
WB-1	WALL BASE - SEE INTERIOR FINISH LEGEND

GENERAL FINISH NOTES

FINISH PLAN LEGEND

ROOM NUMBER — 101
WALL FINISH — WF+
WALL BASE FINISH — WB+
FLOOR FINISH — FF+

ROOM NAME

+ SYMBOL INDICATES MORE THAN ONE TYPE OF SPECIFIED FINISH IN ROOM.

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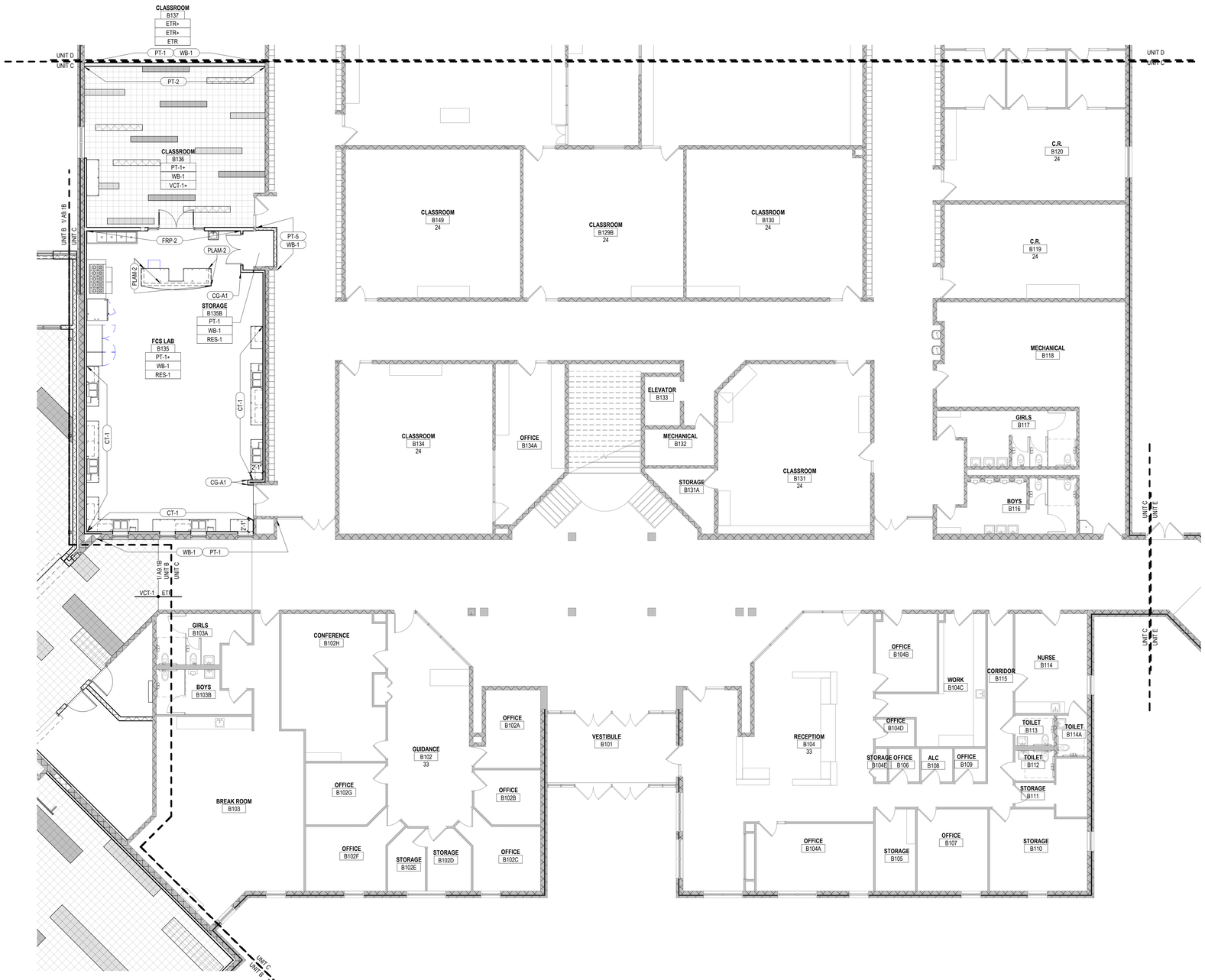
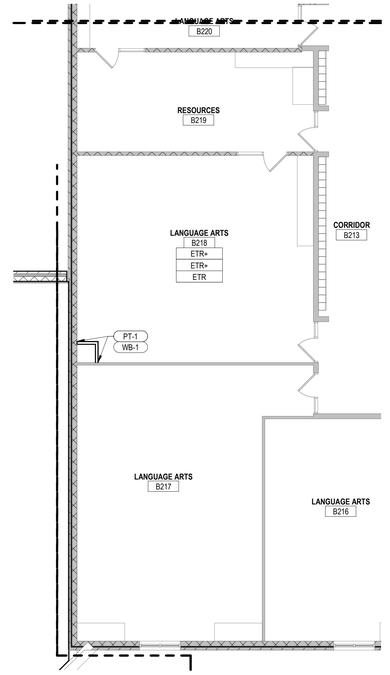
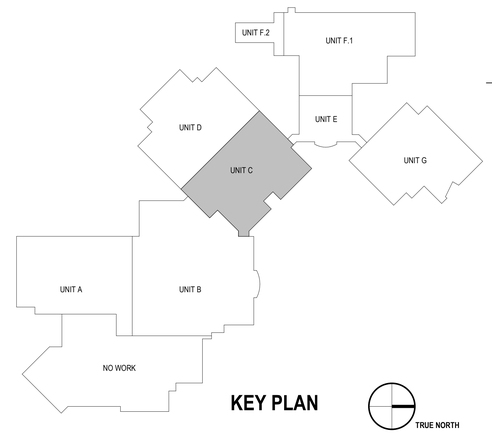


6A A9.1C FIRST FLOOR FINISH PLAN - UNIT C
Scale: 1/8" = 1'-0"



1B A9.1C SECOND FLOOR
Scale: 1/8" = 1'-0"



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12/19/2025

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UNIT C - FIRST FLOOR FINISH PLAN

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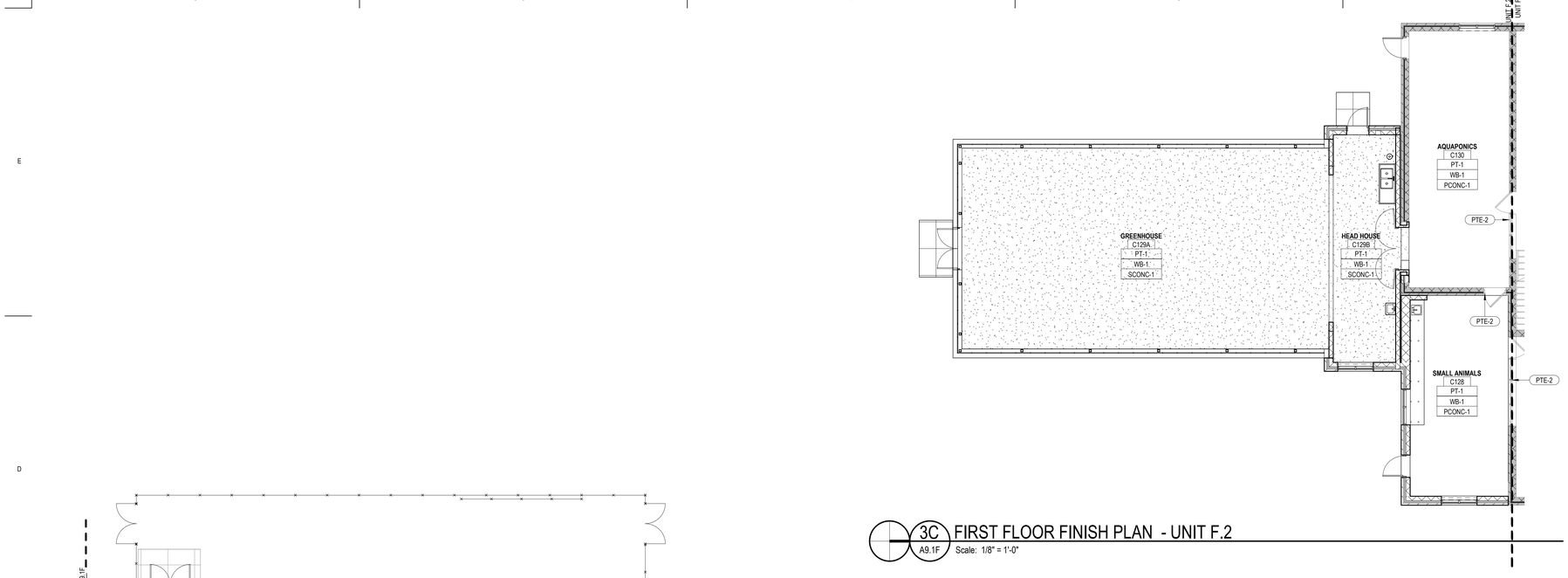
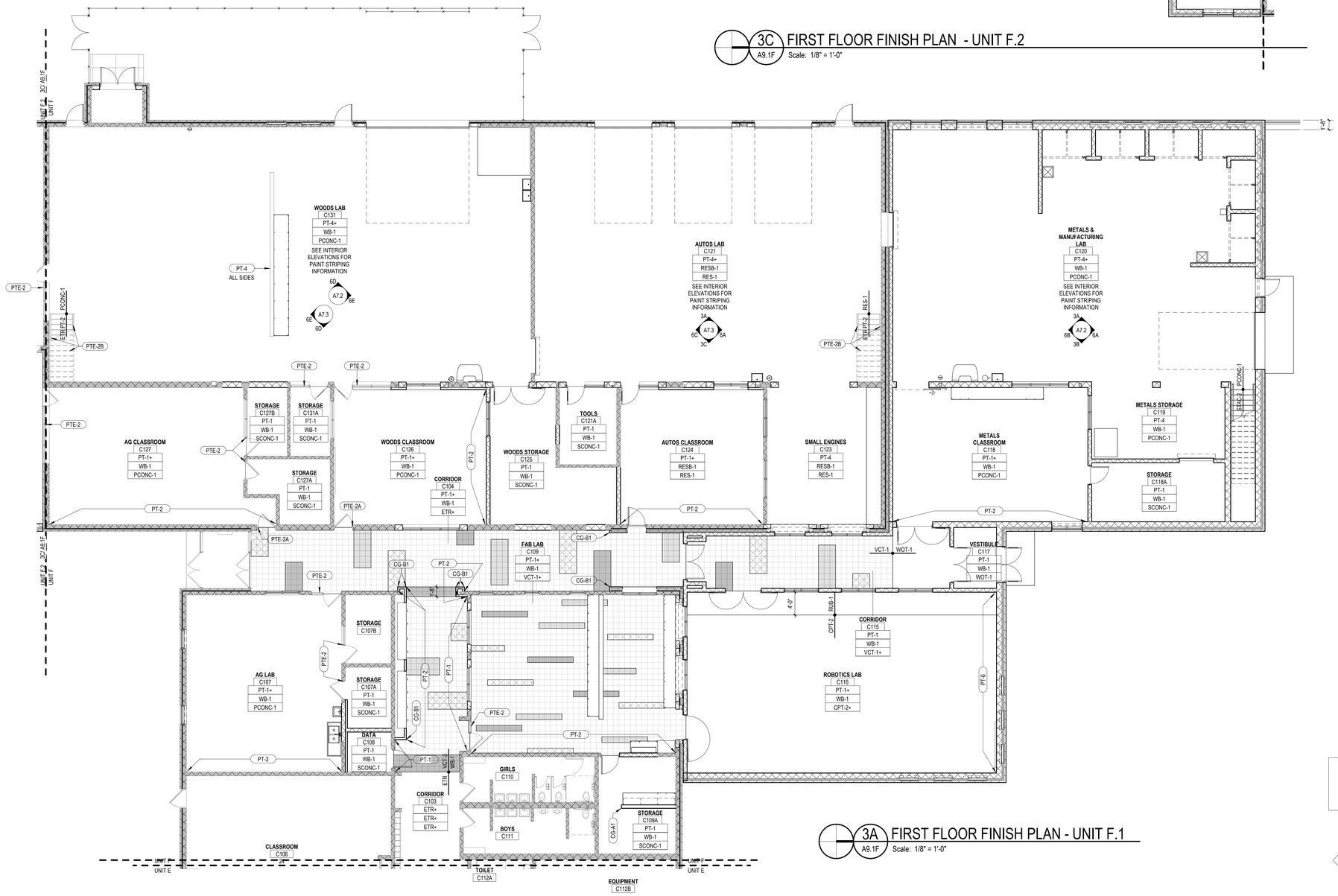


3C A9.1F FIRST FLOOR FINISH PLAN - UNIT F.2
Scale: 1/8" = 1'-0"



3A A9.1F FIRST FLOOR FINISH PLAN - UNIT F.1
Scale: 1/8" = 1'-0"

GENERAL FINISH NOTES

FINISH PLAN LEGEND

ROOM NUMBER — ROOM NAME 101
WALL FINISH — WF+
WALL BASE FINISH — WB+
FLOOR FINISH — FF+

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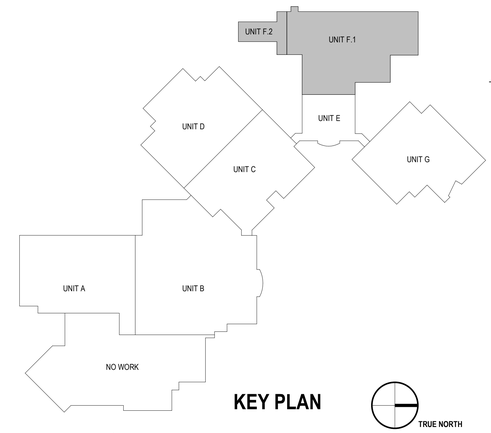
FLOORING LEGEND

VCT TYPES

VCT-1
VCT-2
VCT-3
VCT-4

KEYNOTE LEGEND

CG-A1	CORNER GUARDS – SEE INTERIOR FINISH LEGEND
CG-B1	CORNER GUARDS (STAINLESS STEEL) – SEE INTERIOR FINISH LEGEND
PT-1	PAINT - SEE INTERIOR FINISH LEGEND
PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PT-4	PAINT - SEE INTERIOR FINISH LEGEND
PT-6	PAINT - SEE INTERIOR FINISH LEGEND
PTE-2	PAINT EXISTING FRAME PT-2
PTE-2A	PAINT EXISTING DOOR AND FRAME PT-2
PTE-2B	PAINT EXISTING RAILING, STAIR STRINGER AND STAIR TREADS PT-2, PAINT VISION STRIP ON STAIR TREADS



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UNIT F - FIRST FLOOR FINISH PLAN

Sheet Number:
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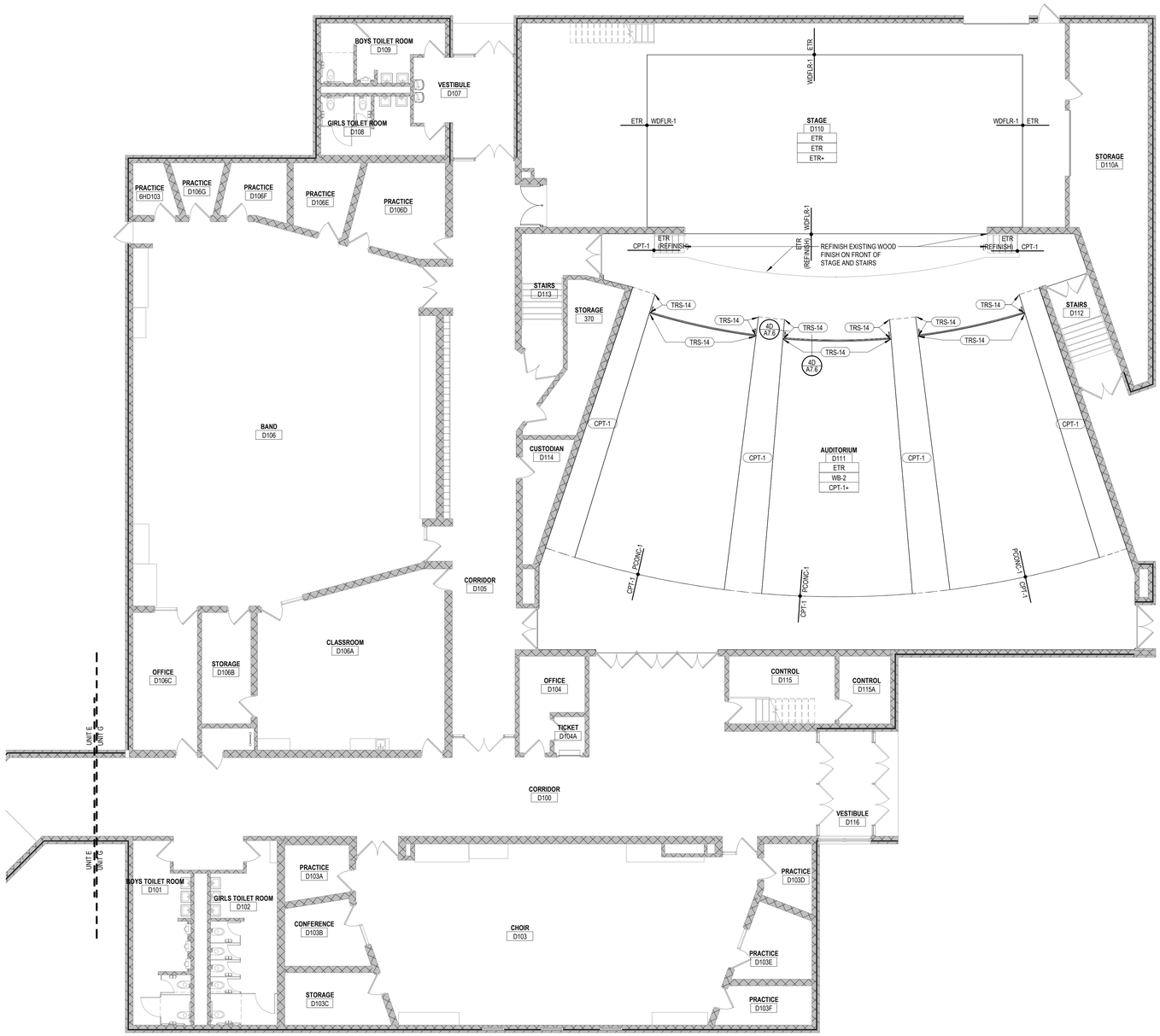

5A / A9.1G FIRST FLOOR FINISH PLAN - UNIT G

Scale: 1/8" = 1'-0"

GENERAL FINISH NOTES

FINISH PLAN LEGEND

ROOM NUMBER — ROOM NAME: 101
WALL FINISH: WF+
WALL BASE FINISH: WB+
FLOOR FINISH: FF+

+ SYMBOL INDICATES MORE THAN ONE TYPE OF SPECIFIED FINISH IN ROOM.

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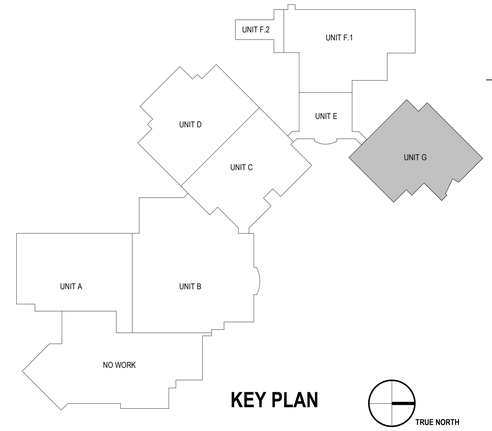
KEYNOTE LEGEND

CPT-1	CARPET - SEE INTERIOR FINISH LEGEND
TRS-14	TRANSITION STRIP (NOSING) - SEE INTERIOR FINISH LEGEND



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UNIT G - FIRST FLOOR FINISH PLAN

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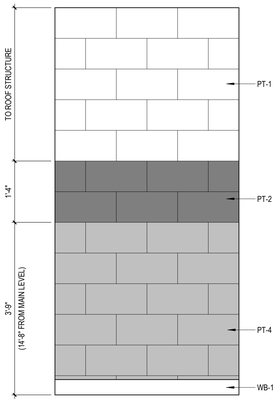


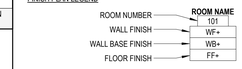
5E A9.2F.1 MEZZANINE PAINT STRIPING
Scale: 3/4" = 1'-0"

KEYNOTE LEGEND

PT-2	PAINT - SEE INTERIOR FINISH LEGEND
PTE-2A	PAINT EXISTING DOOR AND FRAME PT-2
PTE-2B	PAINT EXISTING RAILING, STAIR STRINGER AND STAIR TREADS PT-2, PAINT VISION STRIP ON STAIR TREADS

GENERAL FINISH NOTES

FINISH PLAN LEGEND



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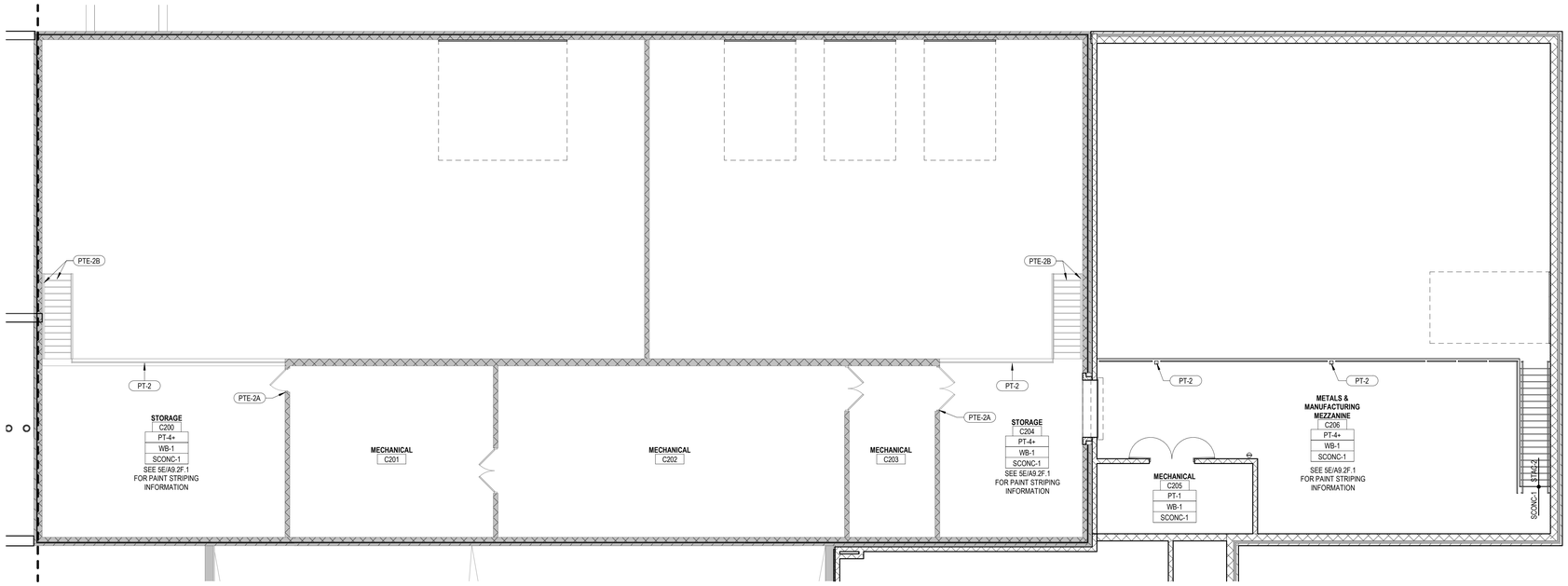

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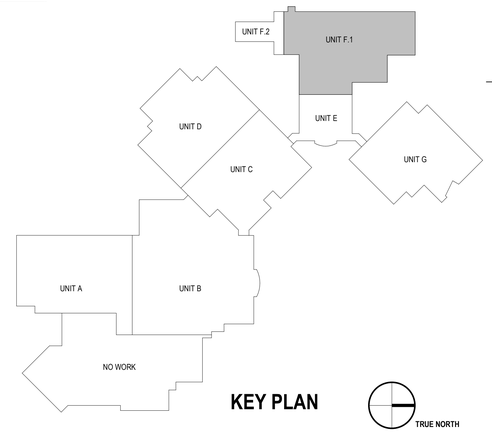
Scale: 1/8" = 1'-0"



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RENDERING - METALS LAB C120



RENDERING - FAB LAB CLASSROOM C109



RENDERING - GYM ENTRY A105



A105RENDERING - CAFETERIA ENTRY HALLWAY A105



RENDERING - FCS LAB B135



RENDERING - CAFETERIA HALLWAY A105



RENDERING - CAFETERIA EXPANSION A100F



RENDERING - CAFETERIA A100

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
REFRENCE VIEWS - INTERIOR

Sheet Number:
R1.0

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RENDERING - TECH ED ADDITION



RENDERING - FOOD SERVICE ADDITION



RENDERING - FOOD SERVICE ADDITION



RENDERING - TECH ED ADDITION



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RENDERING - GREENHOUSE ADDITION



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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
REFRENCE VIEWS - EXTERIOR

Sheet Number:
R2.0

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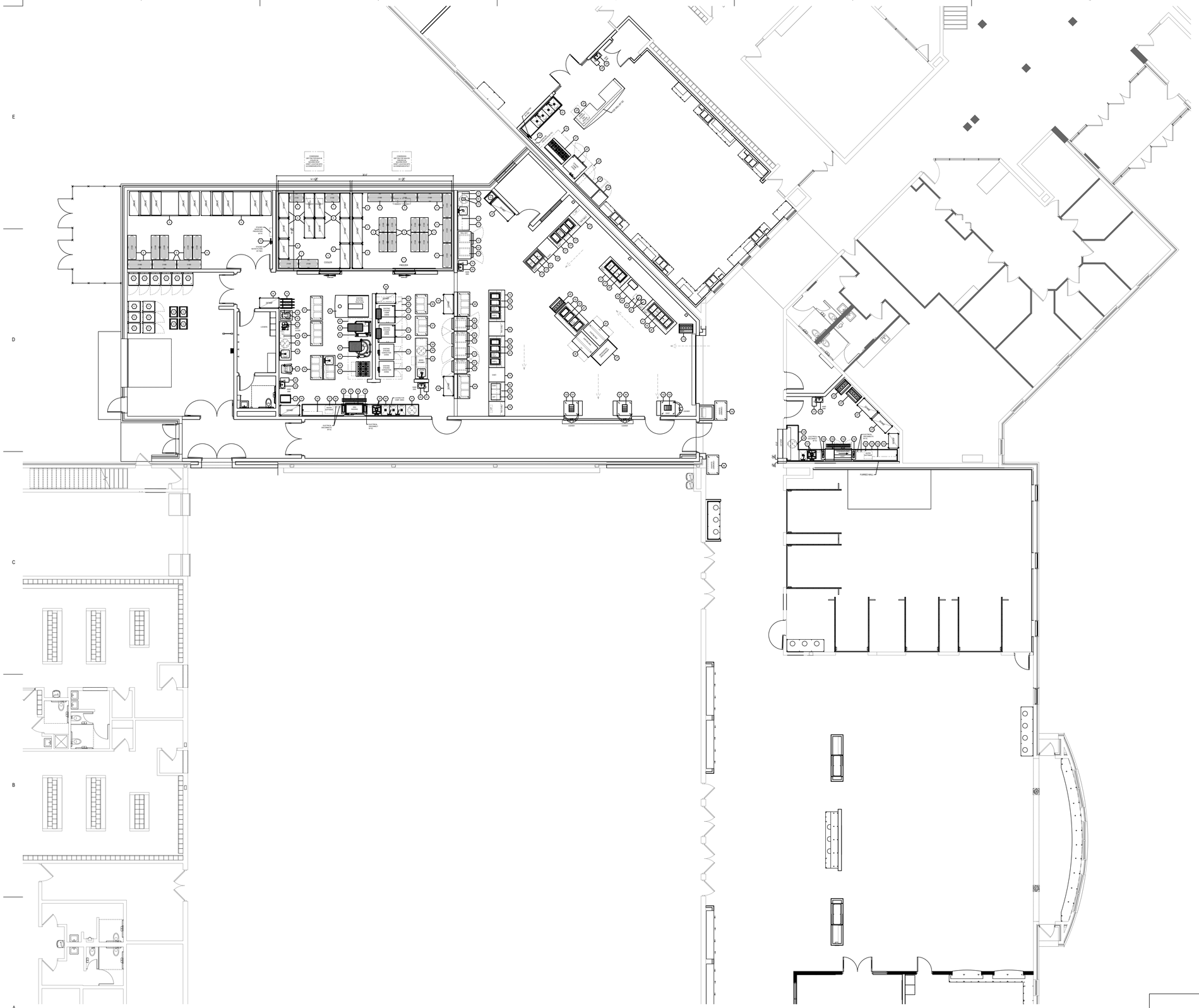
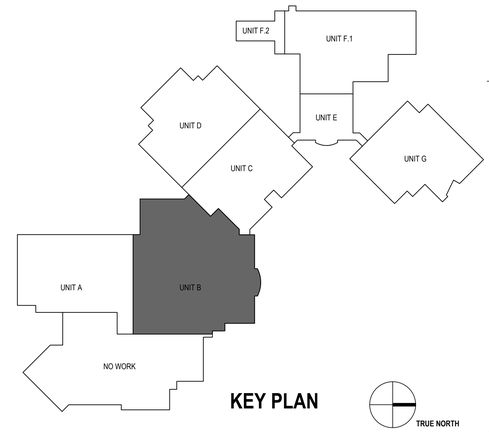


1 FOODSERVICE EQUIPMENT OVERALL PLAN
SCALE: 1/8"=1'-0"



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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
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Sheet Title:
FOODSERVICE EQUIPMENT OVERALL PLAN

Sheet Number:
FS050

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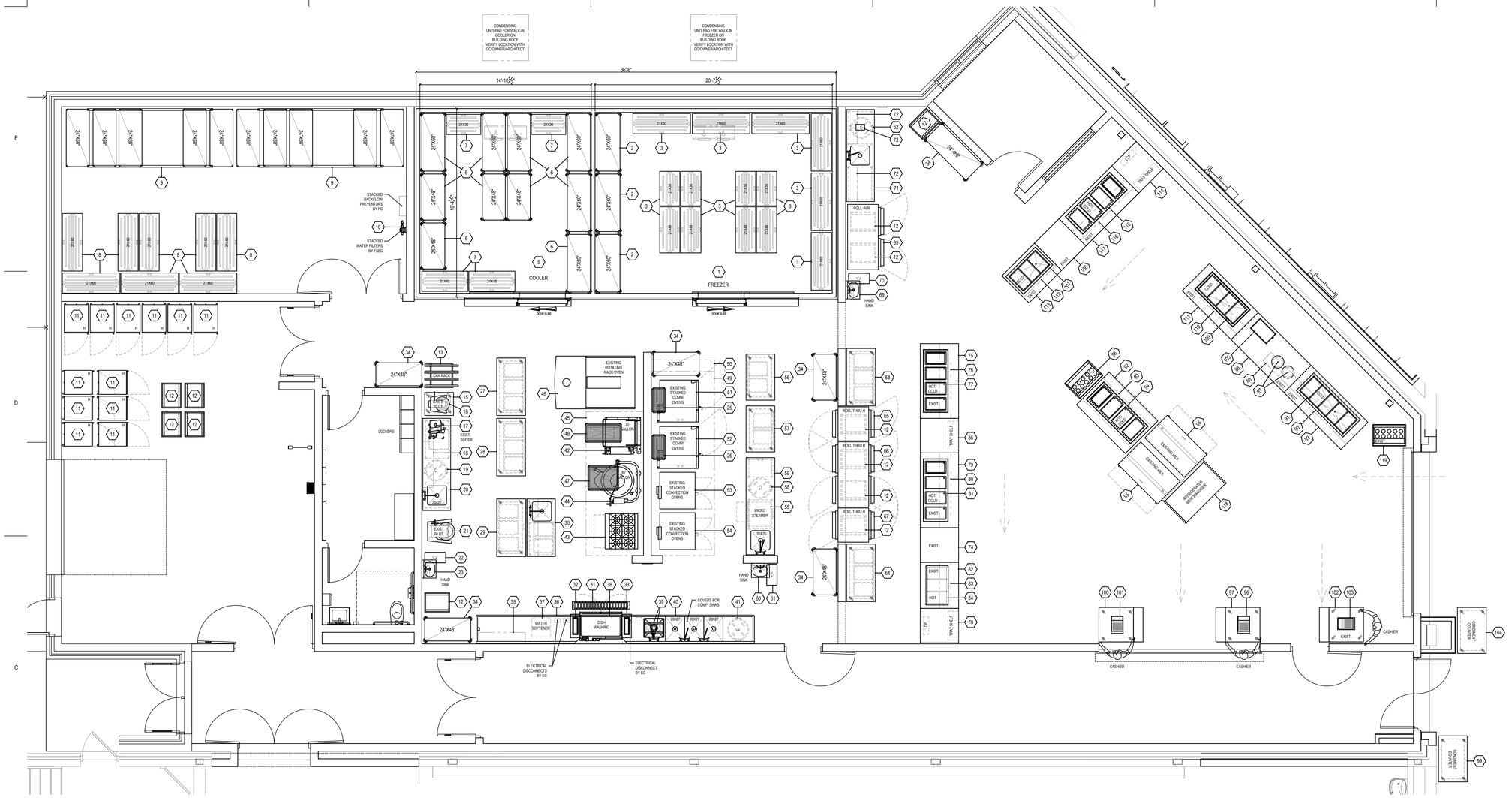


1 FOODSERVICE EQUIPMENT PLAN

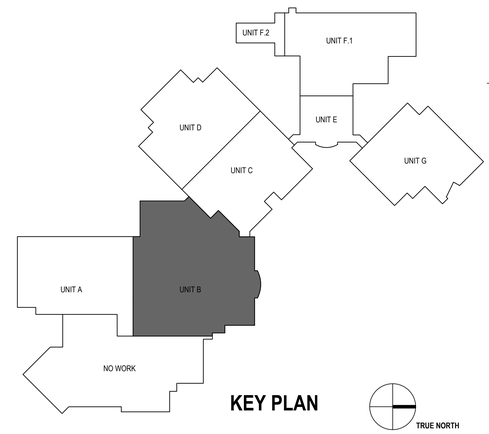
SCALE: 1/4"=1'-0"

EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	COMMENTS
1	1	WALK-IN FREEZER	
2	3	WALK-IN FREEZER SHELVING	
3	14	WALK-IN FREEZER DUNNAGE RACK	
4	-	SPARE NUMBER	
5	1	WALK-IN COOLER	
6	10	WALK-IN COOLER SHELVING	
7	4	WALK-IN COOLER DUNNAGE RACK	
8	8	DUNNAGE RACKS	
9	2	TRACK SHELVING ASSEMBLY	
10	3	STACKED WATER FILTERS	
11	12	HOT HOLDING CABINET	
12	12	SPEED RACK	
13	1	CAN RACK	
14	-	SPARE NUMBER	
15	1	MOBILE EQUIPMENT STAND	
16	1	20 QT. MIXER	EXISTING
17	1	SLICER	EXISTING
18	1	WALL SHELF	
19	1	TRASH CONTAINER (BITUTE)	BY OWNER
20	1	WORKTABLE W/ SINK	
21	1	60 QT. MIXER	EXISTING
22	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
23	1	HAND SINK	
24	-	SPARE NUMBER	
25	1	FLOOR TROUGH	
26	1	FLOOR TROUGH	
27	1	MOBILE WORKTABLE	
28	1	MOBILE WORKTABLE	
29	1	MOBILE WORKTABLE	
30	1	WORKTABLE W/ SINK & OVERSHELF	
31	1	MOBILE RACK RETURN	
32	1	DISHMACHINE VENT DUCT (UNLOAD END)	
33	1	DISHMACHINE VENT DUCT (LOAD END)	
34	6	STORAGE SHELVING	
35	1	WALL SHELF	
36	1	CLEAN DISHTABLE	
37	1	WATER SOFTENER	
38	1	DISHMACHINE	
39	1	DISPOSER W/ PRE-RINSE ASSEMBLY	
40	1	SOILED DISHTABLE W/ COMPARTMENT SINKS	
41	1	TRASH CONTAINER (BRUTE)	BY OWNER
42	1	30 GALLON TILT SKILLET W/ DRAIN DRAWER	
43	1	OPEN BURNER RANGE	
44	1	80 GALLON TILT KETTLE	
45	1	EXHAUST HOOD	
46	1	ROTATING RACK OVEN	EXISTING
47	1	FLOOR TROUGH	
48	1	FLOOR TROUGH	
49	1	EXHAUST HOOD	
50	1	FIRE SUPPRESSION SYSTEM	
51	1	STACKED COMBI OVENS	EXISTING
52	1	STACKED COMBI OVENS	EXISTING
53	1	STACKED CONVECTION OVENS	EXISTING
54	1	STACKED CONVECTION OVENS	EXISTING
55	1	MICROWAVE / STEAMER	
56	1	MOBILE WORKTABLE	
57	1	MOBILE WORKTABLE	
58	1	TRASH CONTAINER (BRUTE)	BY OWNER
59	1	WORKTABLE W/ SINK	
60	1	HAND SINK	

EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	COMMENTS
61	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
62	1	TRASH CONTAINER (BRUTE)	
63	1	ROLL-IN REFRIGERATOR	
64	1	MOBILE WORKTABLE	
65	1	ROLL-THRU HEATED CABINET	
66	1	ROLL-THRU REFRIGERATOR	
67	1	ROLL-THRU HEATED CABINET	
68	1	MOBILE WORKTABLE	
69	1	HAND SINK	
70	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
71	1	WORKTABLE W/ SINK	
72	2	WALL SHELF	
73	1	CAN OPENER	
74	1	SERVING COUNTER	EXISTING
75	1	SERVING COUNTER	EXISTING
76	1	SNEEZE GUARD	EXISTING
77	1	DROP-IN HOT/COLD WELLS	EXISTING
78	1	SERVING COUNTER W/ LOAD CENTER PANEL	
79	1	SERVING COUNTER	EXISTING
80	1	SNEEZE GUARD	EXISTING
81	1	DROP-IN HOT/COLD WELLS	EXISTING
82	1	SERVING COUNTER	EXISTING
83	1	SNEEZE GUARD	EXISTING
84	1	DROP-IN HOT WELLS	EXISTING
85	1	SERVING COUNTER	
86	1	SNEEZE GUARD	EXISTING
87	2	DROP-IN SOUP WELLS	EXISTING
88	1	SERVING COUNTER	
89	1	SERVING COUNTER	EXISTING
90	1	SNEEZE GUARD	EXISTING
91	1	DROP-IN COLD WELLS	EXISTING
92	1	SERVING COUNTER	
93	1	SNEEZE GUARD	
94	1	DROP-IN HOT/COLD WELLS	
95	2	MILK COOLER	EXISTING
96	1	POS SYSTEM	BY OWNER
97	1	POS COUNTER	
98	1	TRAY & UTENSIL CART	
99	1	CONDIMENT COUNTER	
100	1	POS COUNTER	
101	1	POS SYSTEM	BY OWNER
102	1	POS COUNTER	EXISTING
103	1	POS SYSTEM	BY OWNER
104	1	CONDIMENT COUNTER	
105	1	FOOD WARMER	
106	-	SPARE NUMBER	
107	1	DROP-IN COLD WELLS	EXISTING
108	1	SERVING COUNTER	EXISTING
109	1	DROP-IN COLD WELLS	EXISTING
110	1	SNEEZE GUARD	EXISTING
111	1	SERVING COUNTER	EXISTING
112	1	SNEEZE GUARD	EXISTING
113	1	SERVING COUNTER	EXISTING
114	1	SERVING COUNTER W/ LOAD CENTER PANEL	
115	1	DROP-IN HOT/COLD WELLS	EXISTING
116	1	SNEEZE GUARD	EXISTING
117	1	SERVING COUNTER	EXISTING
118	1	REFRIGERATED MERCHANDISER	
119	1	TRAY & UTENSIL CART	EXISTING



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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
FOODSERVICE EQUIPMENT PLAN

Sheet Number:
FS100

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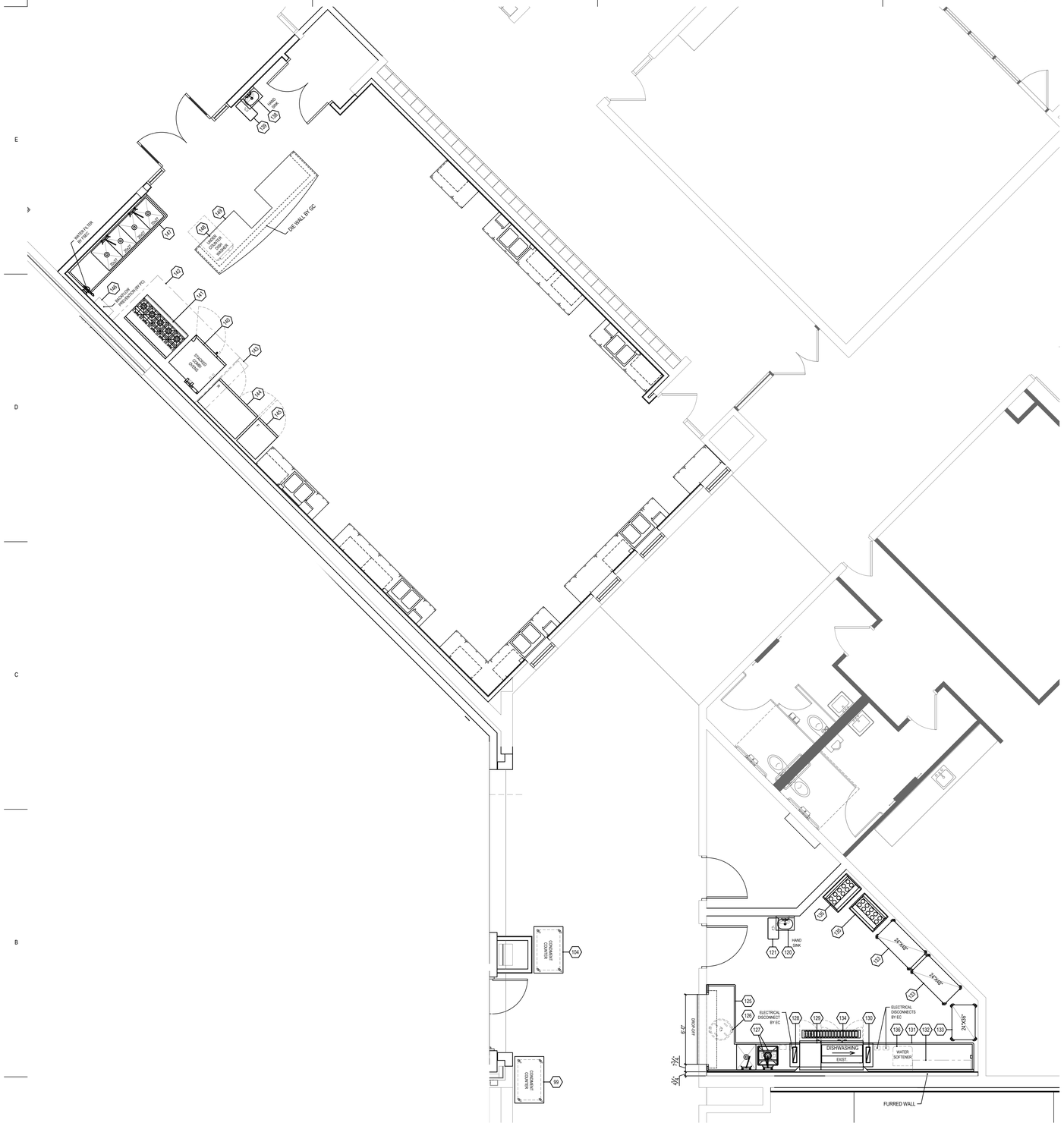
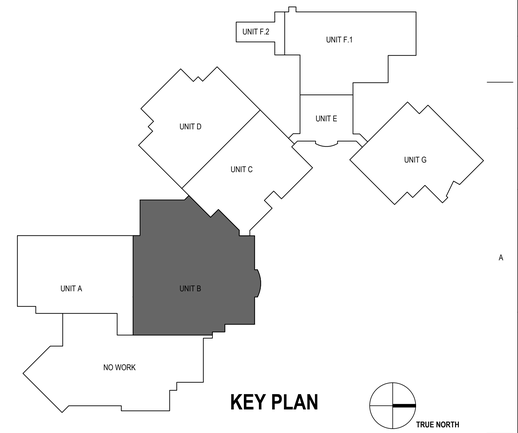


1 FOODSERVICE EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	COMMENTS
120	1	HAND SINK	
121	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
122	-	SPARE NUMBER	
123	-	SPARE NUMBER	
124	-	SPARE NUMBER	
125	1	SOILED DISHTABLE W/ COMPARTMENT SINK	
126	1	TRASH CONTAINER (BRUTE)	BY OWNER
127	1	DISPOSER W/ PRE-RINSE ASSEMBLY	
128	1	VENT DUCT (LOAD END)	
129	1	DISHMACHINE	EXISTING
130	1	VENT DUCT (UNLOAD END)	
131	1	CLEAN DISHTABLE	
132	1	WALL SHELF	
133	3	STORAGE SHELVING	
134	1	MOBILE RACK RETURN	EXISTING
135	2	TRAY CARTS	ALTERNATE LOCATIONS
136	1	WATER SOFTENER	
137	-	SPARE NUMBER	
138	1	HAND SINK	
139	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
140	1	STACKED COMBI OVENS	
141	1	OPEN BURNER RANGE	
142	1	EXHAUST HOOD	
143	1	FIRE SUPPRESSION SYSTEM	
144	1	REACH-IN REFRIGERATOR	
145	1	REACH-IN FREEZER	
146	1	WATER FILTER	
147	1	4-COMPARTMENT SINK	
148	1	UNDERCOUNTER DISHWASHER	BY OWNER
149	1	COUNTER TOP AND LEGS	



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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
FOODSERVICE EQUIPMENT PLAN

Sheet Number:
FS101

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CONDENSING UNIT PAD FOR WALK-IN COOLER ON BUILDING ROOF. VERIFY LOCATION WITH OWNER/ARCHITECT — 5D

CONDENSING UNIT PAD FOR WALK-IN FREEZER ON BUILDING ROOF. VERIFY LOCATION WITH OWNER/ARCHITECT — 1D

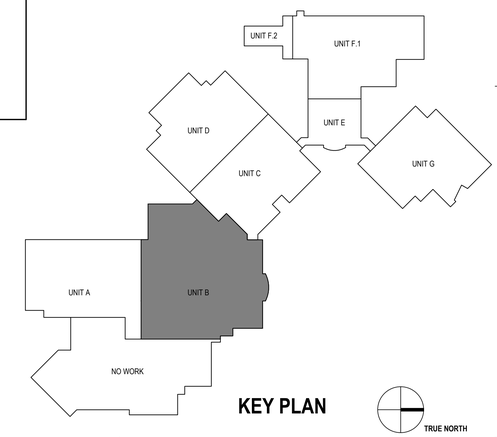
ELECTRICAL AND COMMUNICATION REQUIREMENTS IN THIS AREA FOR OFFICE SPACE TO BE DETERMINED BY OTHERS

TABLE LIMIT SWITCH

1 FOODSERVICE ELECTRICAL PLAN
SCALE: 1/4"=1'-0"

ELECTRICAL SYMBOLS & ABBREVIATIONS

⏀	SGR	SINGLE GROUNDED RECEPTACLE
⏀	DGR	DUPLEX GROUNDED RECEPTACLE
⏀	DDGR	DEDICATED DUPLEX GROUNDED RECEPTACLE
■	JB	JUNCTION BOX
$	SW	SWITCH
⏚	SPO	SPECIAL PURPOSE OUTLET
▼	DIR	DIRECT WIRED CONNECTION
•	ECS	ELECTRICAL CONDUIT STUB UP
▽	TEL	TELEPHONE
	GFCI	GROUND FAULT CIRCUIT INTERRUPT
	CO	CONVENIENCE OUTLET
	KW	KILOWATTS
	V	VOLT
	HP	HORSEPOWER
	AFF	ABOVE FINISHED FLOOR
	WFA	WIRED FROM ABOVE
	EC	ELECTRICAL CONTRACTOR



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REFER TO SHEET FS200A FOR ELECTRICAL SCHEDULE

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Sheet Title:
FOODSERVICE ELECTRICAL PLAN

Sheet Number:
FS200

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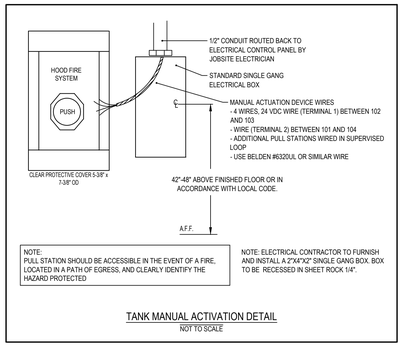


NOTE:
PULL STATION SHOULD BE ACCESSIBLE IN THE EVENT OF A FIRE, LOCATED IN A PATH OF EGRESS, AND CLEARLY IDENTIFY THE HAZARD PROTECTED

NOTE: ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A 2"X4"X2" SINGLE GANG BOX. BOX TO BE RECESSED IN SHEET ROCK 1/4".

TANK MANUAL ACTIVATION DETAIL
NOT TO SCALE

ELECTRICAL ROUGH-INS

ITEM	QTY	CONNECTION(S)
1A	1	120V/1 J-BOX FROM ABOVE FOR WALK-IN FREEZER LIGHTS AND HEATED AIR VENT. 20.0 AMP CIRCUIT. EC TO CONNECT AND INSTALL ALL LIGHT FIXTURES.
1B	1	120V/1 J-BOX FROM ABOVE FOR WALK-IN FREEZER DOOR HEATER. 20.0 AMP CIRCUIT.
1C	1	208-230V/1 J-BOX FROM ABOVE FOR WALK-IN FREEZER COIL. (3.0 FAN AMPS, 27.4 HEATER AMPS).
1D	1	208-230V/3 J-BOX FOR WALK-IN FREEZER COMPRESSOR. 6.0 HP. 21.5 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT. EXACT LOCATION TO BE VERIFIED WITH OWNER/ARCHITECT. EC TO INTERWIRE COMPRESSOR TO RESPECTIVE BLOWER COIL UNIT. EC TO VERIFY FINAL LOCATION OF TIME CLOCK WITH FSEC AND INTERWIRE TIME CLOCK, SOLENOID AND THERMOSTAT. * SEE REMOTE COMPRESSOR NOTES THIS PAGE.
1E	1	120V/1 J-BOX FROM ABOVE FOR DRAIN LINE HEAT TAPE DGR. 20.0 AMP CIRCUIT. EC TO CONNECT TO DGR LOCATED INSIDE WALK-IN FREEZER BOX MOUNTED TO WALL BEHIND COIL.
5A	1	120V/1 J-BOX FROM ABOVE FOR WALK-IN COOLER LIGHTS AND HEATED AIR VENT. 20.0 AMP CIRCUIT. EC TO CONNECT AND INSTALL ALL LIGHT FIXTURES.
5B	1	120V/1 J-BOX FROM ABOVE FOR WALK-IN COOLER DOOR HEATER. 20.0 AMP CIRCUIT.
5C	1	120V/1 J-BOX FROM ABOVE FOR WALK-IN COOLER COIL. 2.7 AMPS.
5D	1	208-230V/3 J-BOX FOR WALK-IN COOLER COMPRESSOR. 2-1/2 HP. 12.3 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT. EXACT LOCATION TO BE VERIFIED WITH OWNER/ARCHITECT. EC TO INTERWIRE COMPRESSOR TO RESPECTIVE BLOWER COIL UNIT. EC TO VERIFY FINAL LOCATION OF TIME CLOCK WITH FSEC AND INTERWIRE TIME CLOCK, SOLENOID AND THERMOSTAT. * SEE REMOTE COMPRESSOR NOTES THIS PAGE.
11	12	120V/1 DGR 48" AFF FOR HOT HOLDING CABINET. 1.9 KW. 16.0 AMPS. NEMA 5-20P.
16	1	120V/1 DGR 48" AFF FOR EXISTING 20 QUART MIXER. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
17	1	120V/1 DGR 48" AFF FOR EXISTING SLICER. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
21	1	208V/3 SGR 48" AFF FOR EXISTING 60 QUART MIXER. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
30	1	120V/1 J-BOX STUB-UP 6" AFF FOR WORKTABLE W/ SINK. EC TO CONNECT TO (2)120V/1 RECEPTACLES MOUNTED IN BACKSPLASH OF TABLE BY FABRICATOR FOR (2)CONVENIENCE OUTLETS. (2)20.0 AMP CIRCUITS.
38A	1	480V/3 J-BOX 18" AFF. FOR DISHMACHINE MOTORS & ELECTRIC TANK HEAT. 27.9 AMPS. 40.0 AMP CIRCUIT. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODES. EC TO INTERWIRE FROM VENT FAN CONTROL CONNECTION AND DISHMACHINE TO EXHAUST FAN ON HOOD. FAN(S), DUCTWORK, ETC PROVIDED BY OTHERS - EC TO VERIFY EXACT REQUIREMENTS. EC TO INTERWIRE FROM DISHMACHINE TO TABLE LIMIT SWITCH.
38B	1	480V/3 J-BOX 18" AFF FOR DISHMACHINE BUILT-IN BOOSTER. 40.1 AMPS. 50.0 AMP CIRCUIT. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODES.
38C	1	J-BOX 66" AFF FOR VENT FAN CONTROL CONNECTION. LOW WATTAGE FAN CONTROL CONTACT (NOT FOR LINE VOLTAGE) AVAILABLE WITHIN DISHWASHER.
39	1	208V/3 J-BOX 18" AFF FOR DISPOSER. 2.0 HP. 6.6 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODE(S). EC TO CONNECT DISPOSER, SOLENOID VALVE AND SWITCH.
42	1	120V/1 J-BOX 18" AFF FOR 30 GALLON TILT SKILLET. 5.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONECT OR CORD, PLUG & RECEPTACLE PER LOCAL CODES.
44	1	120V/1 J-BOX 18" AFF FOR 80 GALLON TILT KETTLE. 14.7 KW. 40.9 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONECT PER LOCAL CODES.
45	1	120V/1 J-BOX FROM ABOVE FOR CAPTIVE AIRE EXHAUST HOOD CONTROL BOX. 20.0 AMP CIRCUIT. EC TO INTERCONNECT BETWEEN CONTROL BOX, CONTROL PAD (CAT-5), FAN STARTERS (120V CONTROL), LIGHTS (120V), ROOM TEMPERATURE SENSOR (TWO CONDUCTOR), TEMPERATURE SENSOR ON HOOD (TWO CONDUCTOR), SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD, BUILDING AUTOMATION SYSTEM AND ANY OTHER MONITORING SYSTEMS AS REQUIRED BY CODE OR OWNER. HVAC DATA ON SEPARATE SHEET. EC TO VERIFY FINAL LOCATIONS. FANS, STARTERS, DUCT WORK, INSULATION, ROOF CURBS, AND ROOF PENETRATIONS BY OTHERS. * REFER TO CAPTIVE AIRE EXHAUST HOOD SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND WIRING DIAGRAMS.
46A	1	208V/3 J-BOX 90" AFF FOR EXISTING ROTATING RACK OVEN. 4.2 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODES. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
46B	1	120V/1 J-BOX 90" AFF FOR EXISTING ROTATING RACK OVEN CONTROLS. 15.0 AMP DEDICATED CIRCUIT. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODES. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
49A	1	120V/1 J-BOX FROM ABOVE FOR CAPTIVE AIRE EXHAUST HOOD CONTROL BOX. 20.0 AMP CIRCUIT. EC TO INTERCONNECT BETWEEN CONTROL BOX, CONTROL PAD (CAT-5), FAN STARTERS (120V CONTROL), LIGHTS (120V), ROOM TEMPERATURE SENSOR (TWO CONDUCTOR), TEMPERATURE SENSOR ON HOOD (TWO CONDUCTOR), SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD, BUILDING AUTOMATION SYSTEM AND ANY OTHER MONITORING SYSTEMS AS REQUIRED BY CODE OR OWNER. HVAC DATA ON SEPARATE SHEET. EC TO VERIFY FINAL LOCATIONS. FANS, STARTERS, DUCT WORK, INSULATION, ROOF CURBS, AND ROOF PENETRATIONS BY OTHERS. * REFER TO CAPTIVE AIRE EXHAUST HOOD SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND WIRING DIAGRAMS.
49B	1	2 GANG J-BOX 50" AFF. FOR CONTROL PAD (PROVIDED BY CAPTIVE AIRE) FOR EXHAUST HOOD LIGHTS AND FAN(S) MOUNTED BY EC. EC TO ROUTE CAT-5 CABLE BETWEEN CONTROL PAD AND CONTROL BOX. HOOD FAN(S) BY HVAC. EC TO VERIFY LOCATION AND REQUIREMENTS.
49C	1	SINGLE GANG BOX FOR ROOM TEMPERATURE SENSOR FACE MOUNTED TO WALL BY EC JUST BELOW CEILING. EC TO RUN TWO CONDUCTOR TO CAPTIVE AIRE CONTROL BOX.
50	1	120V/1 J-BOX FROM ABOVE FOR FIRE SUPPRESSION SYSTEM. 20.0 AMP CIRCUIT. EC TO INTERCONNECT WITH MICRO SWITCH AT FIRE SUPPRESSION CABINET AND SHUNT TRIP BREAKERS FOR ALL EQUIPMENT UNDER EXHAUST HOOD. ALL SHUNT TRIP BREAKERS AND RELATED WIRING TO BE FURNISHED AND INSTALLED BY EC. EC TO INTERWIRE BETWEEN FIRE SYSTEM CABINET AND HOOD CONTROL CABINET (120V).

ELECTRICAL ROUGH-INS

ITEM	QTY	CONNECTION(S)
50	1	120V/1 J-BOX FROM ABOVE FOR FIRE SUPPRESSION SYSTEM. 20.0 AMP CIRCUIT. EC TO INTERCONNECT WITH MICRO SWITCH AT FIRE SUPPRESSION CABINET AND SHUNT TRIP BREAKERS FOR ALL EQUIPMENT UNDER EXHAUST HOOD. ALL SHUNT TRIP BREAKERS AND RELATED WIRING TO BE FURNISHED AND INSTALLED BY EC. EC TO INTERWIRE BETWEEN FIRE SYSTEM CABINET AND HOOD CONTROL CABINET (120V).
51A	1	208V/1 J-BOX 24" AFF FOR EXISTING COMBI OVEN (LOWER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
51B	1	208V/1 J-BOX 48" AFF FOR EXISTING COMBI OVEN (UPPER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
52A	1	208V/1 J-BOX 24" AFF FOR EXISTING COMBI OVEN (LOWER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
52B	1	208V/1 J-BOX 48" AFF FOR EXISTING COMBI OVEN (UPPER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
53A	1	120V/1 DGR 18" AFF FOR EXISTING CONVECTION OVEN (BOTTOM SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
53B	1	120V/1 DGR 48" AFF FOR EXISTING CONVECTION OVEN (UPPER SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
54A	1	120V/1 DGR 18" AFF FOR EXISTING CONVECTION OVEN (BOTTOM SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
54B	1	120V/1 DGR 48" AFF FOR EXISTING CONVECTION OVEN (UPPER SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
55	1	208V/1 SGR FOR MICROWAVE STEAMER. 5.7 KW. 27.4 AMPS. NEMA 6-30P. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 59.
59	1	120/208V/1 J-BOX 18" AFF FOR WORKTABLE W/ SINK. EC TO CONNECT TO (2)120V/1 RECEPTACLES; (2)20.0 AMP CIRCUITS AND (1)208V/1 RECEPTACLE; 30.0 AMP CIRCUIT MOUNTED TO UNDERSIDE OF TABLE BY FABRICATOR FOR (2) CONVENIENCE OUTLETS AND (1) RECEPTACLE FOR ITEM 55.
63	1	120V/1 DGR 48" AFF FOR ROLL-IN REFRIGERATOR. 1/2 HP. 11.4 AMPS. NEMA 5-15P.
65	1	120/208V/1 SGR 90" AFF FOR PASS-THRU HOT CABINET. 7.8 AMPS. NEMA L14-20P.
66	1	120V/1 DGR 90" AFF FOR ROLL-THRU REFRIGERATOR. 1/2 HP. 13.4 AMPS. NEMA 5-20P.
67	1	120/208V/1 SGR 90" AFF FOR PASS-THRU HOT CABINET. 7.8 AMPS. NEMA L14-20P.
78	1	J-BOX 18" AFF FOR MODULAR SERVING COUNTERS AND EQUIPMENT. EC TO CONNECT TO PRE-WIRED 120/208V/3 100.0 AMP CIRCUIT BREAKER PANEL IN COUNTER. ALL FIELD CONNECTIONS AND SPLICES IN COUNTER BY EC. * REFER TO SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND LOAD PLATE SCHEDULES.
87	2	120V/1 DOG HOUSE FOR EXISTING DROP-IN SOUP WELLS. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
91	1	120V/1 DOG HOUSE FOR EXISTING DROP-IN COLD WELLS. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
92	1	120/208V/1 J-BOX STUB-UP 6" AFF FOR SERVING COUNTER. EC TO CONNECT TO (2)120V/1 RECEPTACLES; (2)20.0 AMP CIRCUITS; (1)208V/1 RECEPTACLE; 20.0 AMP CIRCUIT AND (1)120/208V/1 RECEPTACLE; 20.0 AMP CIRCUIT MOUNTED TO UNDERSIDE OF TABLE BY FABRICATOR FOR ITEMS 94, 95 AND 118.
94	1	120/208V/1 FOR DROP-IN HOT/COLD WELLS. 12.8 AMPS. NEMA 14-20P. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 92.
95	2	120V/1 DOG FOR EXISTING MILK COOLER. 16.0 AMPS. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 92. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
96	1	120V/1 DDGR 18" AFF FOR POS SYSTEM. 20.0 AMP DEDICATED CIRCUIT. EC TO PROVIDE EMPTY J-BOX FOR RUNNING OF POS AND DATA LINES; ROUTE PER OWNER'S SPECIFICATIONS. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION(S) AND REQUIREMENTS WITH OWNER.
101	1	120V/1 DDGR 18" AFF FOR POS SYSTEM. 20.0 AMP DEDICATED CIRCUIT. EC TO PROVIDE EMPTY J-BOX FOR RUNNING OF POS AND DATA LINES; ROUTE PER OWNER'S SPECIFICATIONS. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION(S) AND REQUIREMENTS WITH OWNER.
103	1	120V/1 DDGR 18" AFF FOR POS SYSTEM. 20.0 AMP DEDICATED CIRCUIT. EC TO PROVIDE EMPTY J-BOX FOR RUNNING OF POS AND DATA LINES; ROUTE PER OWNER'S SPECIFICATIONS. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION(S) AND REQUIREMENTS WITH OWNER.
105	1	120V/1 DOG HOUSE FOR FOOD WARMER. 10.0 AMPS. NEMA 5-15P.
109	1	120V/1 DOG HOUSE FOR EXISTING DROP-IN COLD WELLS. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
114	1	J-BOX 18" AFF FOR MODULAR SERVING COUNTERS AND EQUIPMENT. EC TO CONNECT TO PRE-WIRED 120/208V/3 100.0 AMP CIRCUIT BREAKER PANEL IN COUNTER. ALL FIELD CONNECTIONS AND SPLICES IN COUNTER BY EC. * REFER TO SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND LOAD PLATE SCHEDULES.
118	1	208V/1 FOR REFRIGERATED MERCHANDISER. 2.826 KW. 16.0 AMPS. NEMA 6-20P. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 92.
CO	5	120V/1 GFCI DGR 48" AFF FOR A CONVENIENCE OUTLET. 20.0 AMP CIRCUIT.
CO1	15	120V/1 GFCI DGR 18" AFF FOR A CONVENIENCE OUTLET. 20.0 AMP CIRCUIT.
CO2	2	120V/1 SUSPENDED GFCI DGR FROM ABOVE DOWN TO 66" AFF. 20.0 AMP CIRCUIT. * ALSO REFER TO SUSPENDED OUTLET DETAIL ON SHEET FS200A.
CO3	1	120V/1 GFCI DGR 72" AFF FOR A CONVENIENCE OUTLET. 20.0 AMP CIRCUIT.
GV	1	120V/1 ELECTRONIC GAS VALVE. EC TO WIRE FROM SYSTEM CONTROL PANEL TO ELECTRONIC GAS SOLENOID VALVE.
RP	1	SINGLE GANG BOX FOR REMOTE MANUAL PULL. SEE DETAIL SHEET FS200A. EC TO INTERWIRE TO CAPTIVE AIRE CONTROL BOX.

REMOTE CONDENSING UNIT NOTES

- EXACT LOCATION OF CONDENSING UNITS TO BE VERIFIED WITH ARCHITECT/OWNER.
- EC TO FURNISH J-BOX AND DISCONNECT FOR COOLER/FREEZER CONDENSING UNITS.
- ALL ELECTRICAL INTER-WIRING BY EC. THIS WORK INCLUDES; HARDWIRING EACH CONDENSING UNIT TO ITS RESPECTIVE BLOWER COIL, INTER-WIRING OF LIGHTS, AND DOOR HEATER, INTER-WIRING OF THERMOSTAT AND SOLENOID, INTER-WIRING OF BLOWER COIL AND TIME CLOCK.
- ALSO REFER TO ELECTRICAL NOTE #5.
- PROPER VENTILATION AND COOLING MUST BE PROVIDED FOR REMOTE CONDENSING UNIT TO RUN AT FULL CAPACITY AND MAINTAIN VALID WARRANTIES.
- LIGHT BULBS PROVIDED BY OWNER.

COMPRESSOR SIZES/ LOADS:
- WALK-IN FREEZER (ITEM 1D) - 208-230V/3 6.0 HP. 21.5 AMPS.
- WALK-IN COOLER (ITEM 5D) - 208-230V/3 2-1/2 HP. 12.3 AMPS.

ELECTRICAL CONTRACTORS NOTES

E1. THIS PLAN SHOWS ONLY THE REQUIREMENTS FOR FOODSERVICE EQUIPMENT TO BE FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR. FOR ALL OTHER REQUIREMENTS, REFER TO ARCHITECTS PLANS, CONSULTANT OR OWNER.

E2. ELECTRICAL CONTRACTOR IS TO VERIFY ALL REQUIREMENTS FOR EXISTING EQUIPMENT TO BE REUSED OR ITEMS LABELED "BY OTHERS".

E3. THE FOODSERVICE EQUIPMENT CONTRACTOR WILL NOT BE RESPONSIBLE FOR FURNISHING ELECTRICAL APPURTENANCES SUCH AS LINE OR DISCONNECT SWITCHES, SAFETY CUTOUTS, CONTROL PANELS, FUSE BOXES, FITTINGS AND INTERWIRING REQUIRED BETWEEN EQUIPMENT AND CONTROL PANELS UNLESS SPECIFIED IN FOODSERVICE EQUIPMENT CONTRACT.

E4. UNLESS OTHERWISE SPECIFIED, THE ELECTRICIAN IS TO FURNISH ALL 25W VOLT CORDS, PLUGS AND RECEPTACLES WHERE NECESSARY. ELECTRICAL CONTRACTOR TO FURNISH ALL LIGHT BULBS REQUIRED FOR EXHAUST HOOD(S) AND/OR WALK-IN COOLERS AND FREEZERS UNLESS OTHERWISE SPECIFIED.

E5. ELECTRICAL CONTRACTOR IS TO SUPPLY AND INSTALL ALL CONDUIT, WIRING, BOXES, SWITCHES, FACEPLATES, BRACKETS, ETC. TO COMPLETE INSTALLATION. ELECTRICAL CONTRACTOR SHALL ALSO MAKE ALL FINAL CONNECTIONS TO FOODSERVICE EQUIPMENT INCLUDING ALL INTERWIRING REQUIRED FOR WALK-IN COOLERS AND FREEZERS AND THEIR COMPRESSORS, BLOWER FANS, TIMERS, HEATERS AND LIGHTING.

E6. ELECTRICIAN IS TO DO ALL INTERWIRING FOR EXHAUST HOOD LIGHTING, BLOWERS, DAMPERS, AND FIRE SUPPRESSION SYSTEM, INCLUDING THE SUPPLY AND INSTALLATION OF A SHUNTTRIP BREAKERS FOR EQUIPMENT AND FAN INTERLOCK MECHANISMS AS NEEDED.

E7. ALL ELECTRICAL WORK PERFORMED IS TO BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.

E8. ALL ELECTRICAL CONDUIT IS TO BE RUN WITHIN WALL SURFACES AND BOXES AND RECEPTACLES ARE TO BE INSET FLUSH WITH WALL SURFACE. SURFACE MOUNTED ELECTRICAL WORK IS NOT TO BE USED UNLESS OTHERWISE SPECIFIED ON FOODSERVICE EQUIPMENT ROUGH-IN PLAN.

E9. EQUIPMENT MANUFACTURERS SPECIFICATION SHEETS FOR EACH PIECE OF EQUIPMENT TO BE SUPPLIED BY FOODSERVICE EQUIPMENT CONTRACTOR WILL BE MADE AVAILABLE TO EACH CONTRACTOR UPON REQUEST.

E10. DIMENSIONS ON THIS PLAN ARE GIVEN TO THE CENTERLINES OF THE ROUGH-INS.

E11. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED BY LOCAL CODE.

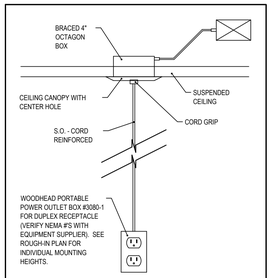
E12. ELECTRICAL CONTRACTOR TO SEAL INSIDE OF CONDUIT W/ SILICONE OR EXPANDABLE FOAM WHERE CONDUIT PENETRATES WALK-IN COOLER/FREEZER WALLS. TYPICAL.

ELECTRICAL NOTES

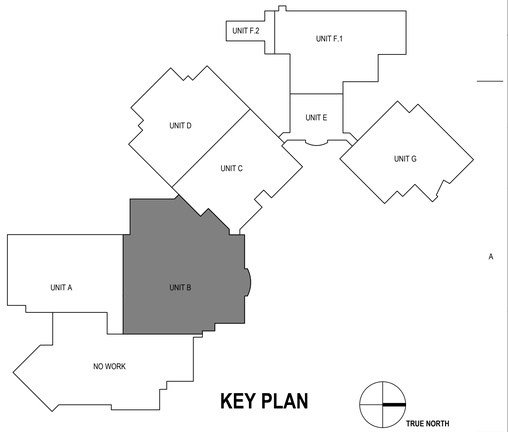
ELECTRICAL CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE ELECTRICAL CODES.
ELECTRICAL CONTRACTOR TO READ AND REVIEW 11 40 00 SPECIFICATIONS.

ELECTRICAL NOTES

ELECTRICAL CONTRACTOR TO INSTALL CORD AND PLUGS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR.



CEILING MOUNTED OUTLET
NOT TO SCALE



KEY PLAN

TRUE NORTH

REFER TO SHEET FS200 FOR ELECTRICAL PLAN

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH ST
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
FOODSERVICE ELECTRICAL SCHEDULE

Sheet Number:
FS200A

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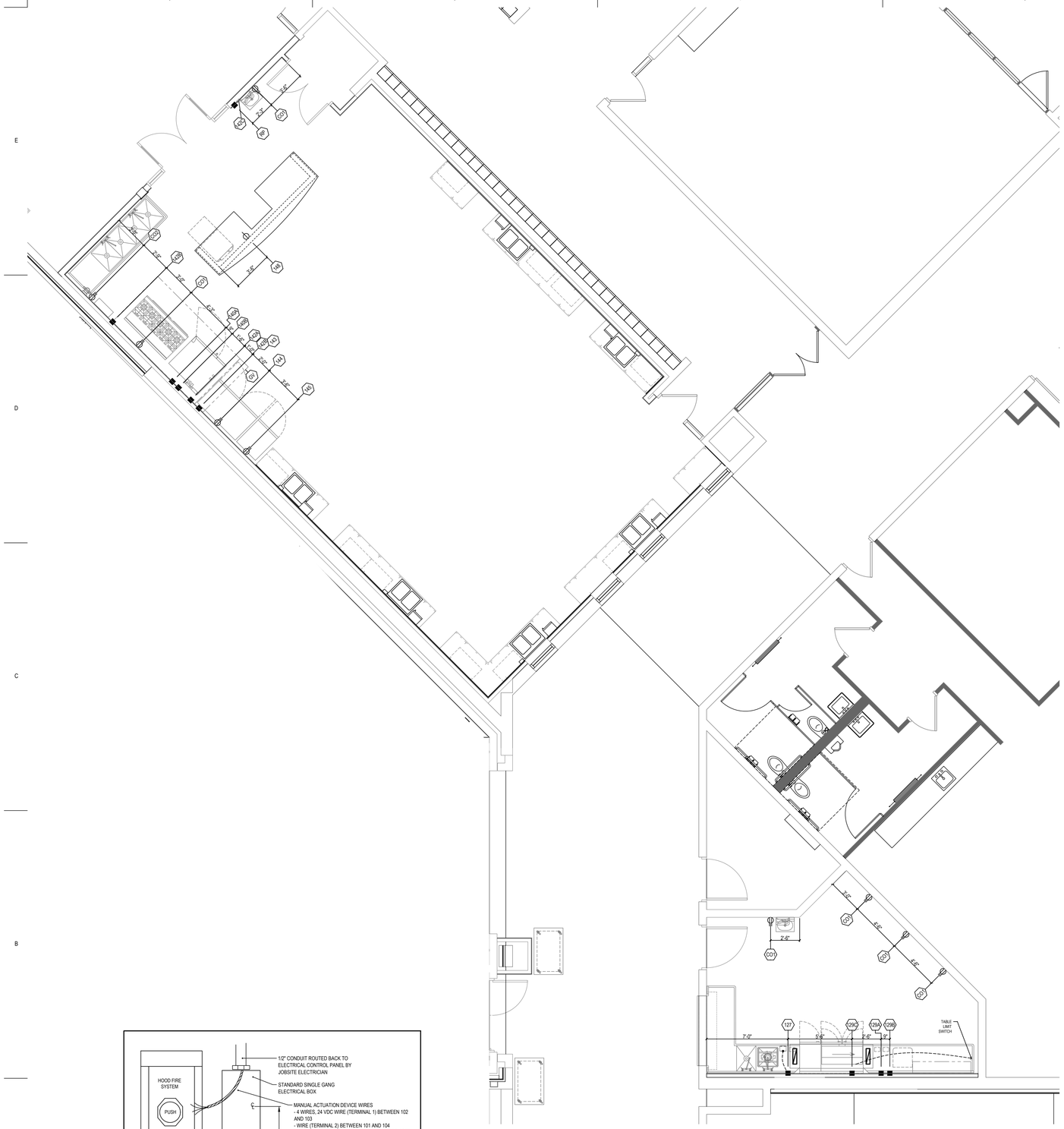
127
129C
129A
129B
148
CO1
CO2
GV
RP
140A
140B
142A
142B
142C
143
144
145
TABLE LIMIT SWITCH
7'-0"
5'-6"
2'-6"
2'-6"
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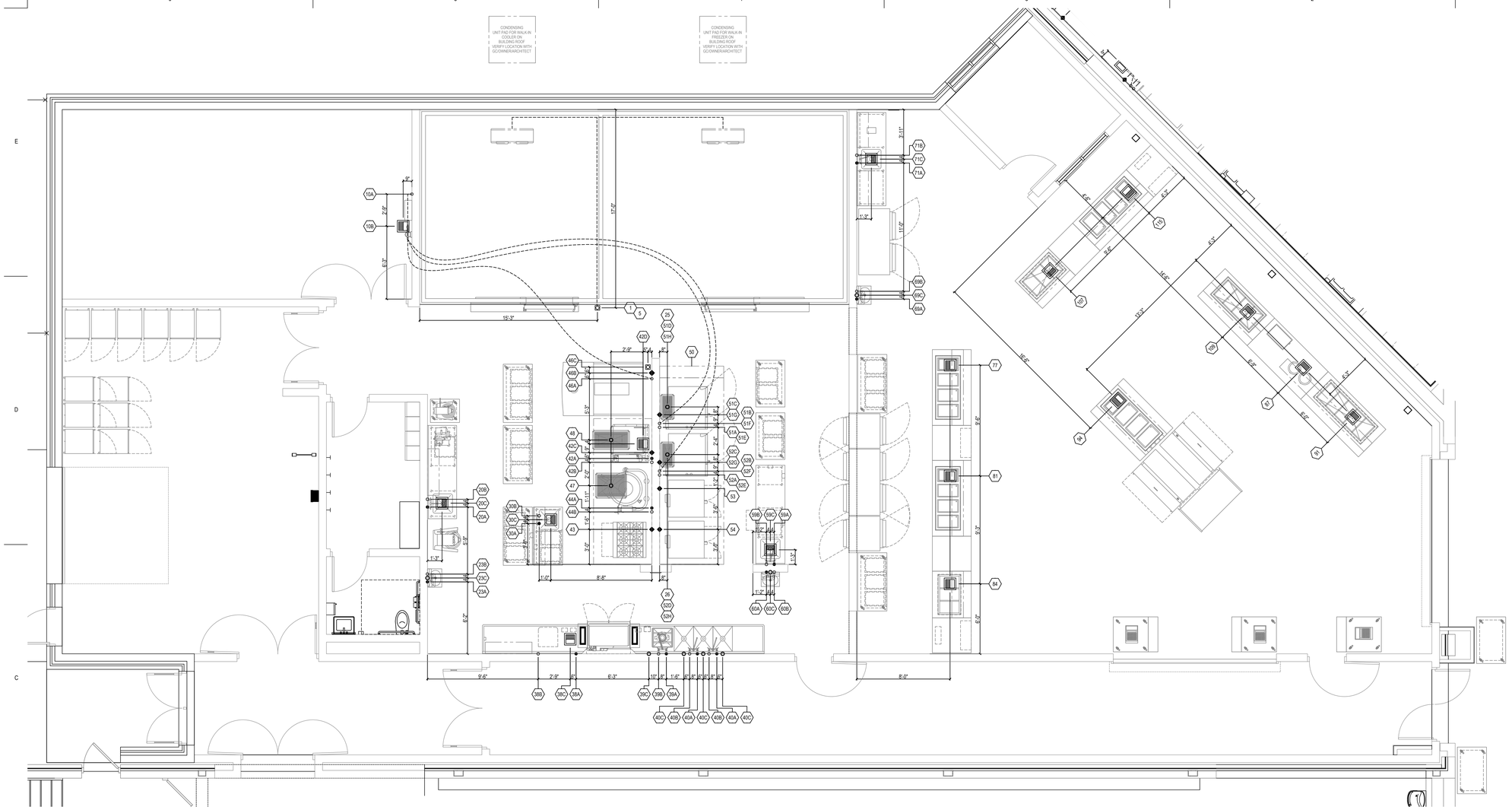
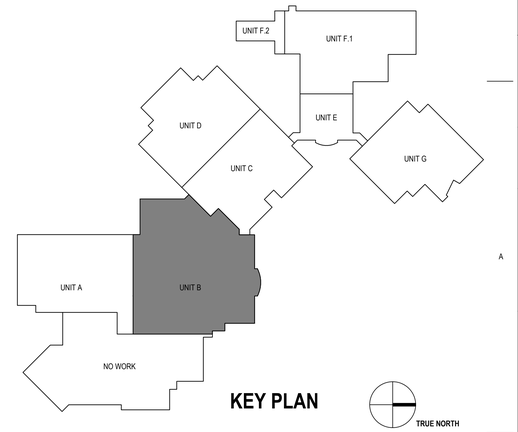


1 FOODSERVICE PLUMBING PLAN

SCALE: 1/4"=1'-0"

PLUMBING SYMBOLS & ABBREVIATIONS		
●	HW	HOT WATER LINE STUB
○	CW	COLD WATER LINE STUB
○	DW	DIRECT WASTE CONNECTION
FD	FD	FLUSH FLOOR DRAIN AND GRATE
IND	IND	INDIRECT WASTE DRAIN
FS	FS	12" SQUARE FLOOR SINK
◆	GAS	GAS SUPPLY LINE STUB
■	SS	STEAM SUPPLY
■	CR	CONDENSATE RETURN
	AFF	ABOVE FINISHED FLOOR
	DFA	DOWN FROM ABOVE
	PC	PLUMBING CONTRACTOR



KEY PLAN

TRUE NORTH

REFER TO SHEET FS300A FOR PLUMBING SCHEDULE

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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
FOODSERVICE PLUMBING PLAN

Sheet Number:
FS300

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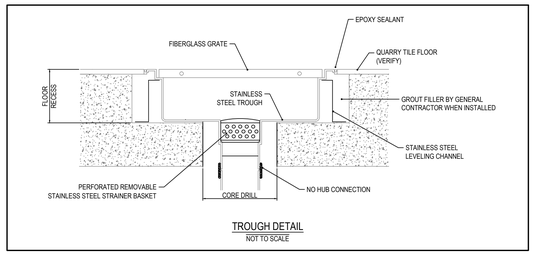


TROUGH DETAIL
NOT TO SCALE

PLUMBING ROUGH-INS

ITEM	QTY	CONNECTION(S)
1	1	PC TO FURNISH AND INSTALL 1" COPPER CONDENSATE DRAIN LINE FROM FREEZER EVAPORATOR COIL TO HUB DRAIN STUB UP 3" AFF. TRAP DRAIN OUTSIDE OF WALK-IN BOX.
5	1	PC TO FURNISH AND INSTALL 1" COPPER CONDENSATE DRAIN LINE FROM COOLER EVAPORATOR COIL TO HUB DRAIN STUB UP 3" AFF. TRAP DRAIN OUTSIDE OF WALK-IN BOX.
10	1	CONNECTIONS FOR STACKED WATER FILTERS: A - 3/4" CW 84" AFF. PC TO BRANCH THRU WATER FILTERS AND THAN TO: (ITEM 46A) - 3/4 CW TO EXISTING ROTATING RACK OVEN. (ITEM 51B) - 3/4" CW TO COMBI OVEN TREATED WATER INLET. (ITEM 51F) - 3/4" CW TO COMBI OVEN TREATED WATER INLET. (ITEM 52B) - 3/4" CW TO COMBI OVEN TREATED WATER INLET. (ITEM 52F) - 3/4" CW TO COMBI OVEN TREATED WATER INLET. B - GENERAL PURPOSE FLOOR SINK FOR DISCHARGE. PC TO FURNISH AND INSTALL BACKFLOW PREVENTION AS REQUIRED BY CODE.
20	1	CONNECTIONS FOR WORKTABLE W/ SINK: A - 1/2" HW 14" AFF. B - 1/2" CW 14" AFF. C - 2" DRAIN TO FLOOR SINK.
23	1	CONNECTIONS FOR HAND SINK: A - 1/2" HW 22" AFF. B - 1/2" CW 22" AFF. C - 1-1/2" DW 20" AFF.
25	1	4" RECESSED NO-HUB TYPE CONNECTION. PC TO CONNECT TO GREASE TRAP. ALSO SEE DETAIL THIS SHEET.
26	1	4" RECESSED NO-HUB TYPE CONNECTION. PC TO CONNECT TO GREASE TRAP. ALSO SEE DETAIL THIS SHEET.
30	1	CONNECTIONS FOR WORKTABLE W/ SINK & OVERSHELF: A - 1/2" HW STUB-UP 8" AFF. B - 1/2" CW STUB-UP 8" AFF. C - 2" DRAIN TO FLOOR SINK.
38	1	CONNECTIONS FOR DISHMACHINE W/ BOOSTER HEATER: A - 3/4" 110°F MINIMUM HW (70° RISE) 12" AFF. PC TO PROVIDE 1/2" HW "T" WITH BALL VALVE SHUT OFF FOR CHEMICAL/SOAP DISPENSER UNIT INSTALLED BY CHEMICAL SUPPLIER. B - 3/4" CW 12" AFF FOR WASTE HEAT RECOVERY SYSTEM. PC TO CONNECT THRU WATER SOFTENER (ITEM 37). C - 2" DRAIN TO FLOOR SINK. EXTEND 24" DOWN BEFORE TRAPPING. PC TO DRAIN TO GREASE TRAP PER LOCAL CODE(S). DO NOT USE PVC.
39	1	CONNECTIONS FOR DISPOSER W/ PRE-RINSE ASSEMBLY: A - 1/2" HW 14" AFF. B - 3/4" CW 14" AFF. PC TO BRANCH 1/2" TO DISPOSER. C - 2" DW 8" AFF. PC TO CONNECT DISPOSER, SOLENOID VALVE, FLOW CONTROL VALVE AND VACUUM BREAKER.
40	1	CONNECTIONS FOR SOILED DISHTABLE W/ COMPARTMENT SINKS: A - (2) 3/4" HW 14" AFF. PC TO PROVIDE 1/2" HW "T" WITH BALL VALVE SHUT OFF FOR CHEMICAL/SOAP DISPENSER UNIT INSTALLED BY CHEMICAL SUPPLIER. B - (2) 3/4" CW 14" AFF. C - (3) 2" DW 12" AFF. PC TO DRAIN TO GREASE TRAP PER LOCAL CODE(S).
42	1	CONNECTIONS FOR 30 GALLON TILT SKILLET W/ DRAIN DRAWER: A - 1/2" HW 18" AFF. B - 1/2" CW 18" AFF. C - 1/2" GAS SUPPLY 24" AFF. 104,000 BTU. FSEC TO FURNISH GAS HOSE WITH QUICK DISCONNECT & RESTRAINING CABLE TO PC FOR INSTALLATION. D - 1-1/2" DRAIN FROM DRAIN DRAWER TO FLOOR SINK.
43	1	3/4" GAS SUPPLY 24" FOR OPEN BURNER RANGE. 243,000 BTU. FSEC TO FURNISH GAS HOSE WITH QUICK DISCONNECT & RESTRAINING CABLE TO PC FOR INSTALLATION.
44	1	CONNECTIONS FOR 80 GALLON TILT KETTLE: A - 1/2" HW 18" AFF. B - 1/2" CW 18" AFF.
46	1	CONNECTIONS FOR EXISTING ROTATING RACK OVEN: A - 1/2" CW 90" AFF. PC TO BRANCH WATER FILTER (BY FSEC) ITEM 10A. B - 1-1/4" GAS SUPPLY 24" AFF. 275,000 BTU. C - 1/2" REAR DRAIN TO HUB DRAIN STUB-UP 3" AFF (PLUG FRONT DRAIN). DO NOT USE PVC TO DRAIN. PC TO DRAIN TO GREASE TRAP PER LOCAL CODE(S). PC TO FURNISH AND INSTALL BACKFLOW PREVENTION PER LOCAL CODES. EXISTING - PC TO VERIFY ROUGH-IN LOCATIONS AND REQUIREMENTS.
47	1	4" RECESSED NO-HUB TYPE CONNECTION. PC TO CONNECT TO GREASE TRAP. ALSO SEE DETAIL THIS SHEET.
48	1	4" RECESSED NO-HUB TYPE CONNECTION. PC TO CONNECT TO GREASE TRAP. ALSO SEE DETAIL THIS SHEET.
50	1	FSEC TO FURNISH MECHANICAL GAS SHUT-OFF VALVE FOR FIRE SUPPRESSION SYSTEM TO PC FOR INSTALLATION. PC TO COORDINATE VALVE SIZING WITH FSEC. PC TO MOUNT IN AN EASILY ACCESSIBLE AND RESETABLE LOCATION ABOVE CEILING.

PLUMBING ROUGH-INS

ITEM	QTY	CONNECTION(S)
51	1	CONNECTIONS FOR EXISTING STACKED COMBI OVENS: BOTTOM SECTION: A - 3/4" UNTREATED CW 9" AFF. PC TO BRANCH TO UNTREATED WATER INLET. B - 3/4" TREATED CW 18" AFF. PC TO BRANCH FROM WATER FILTER (BY FSEC) ITEM 10A TO TREATED WATER INLET. C - 3/4" GAS SUPPLY 24" AFF. 98,000 BTU. D - 1-1/2" DRAIN TO FLOOR TROUGH (ITEM 25). DO NOT USE PVC. TO DRAIN. PC TO DRAIN TO GREASE TRAP PER LOCAL CODES. UPPER SECTION: E - 3/4" UNTREATED CW 42" AFF. PC TO BRANCH TO UNTREATED WATER INLET. F - 3/4" TREATED CW 45" AFF. PC TO BRANCH FROM WATER FILTER (BY FSEC) ITEM 10A TO TREATED WATER INLET. G - 3/4" GAS SUPPLY 48" AFF. 98,000 BTU. H - 1-1/2" DRAIN TO FLOOR TROUGH (ITEM 25). DO NOT USE PVC. TO DRAIN. PC TO DRAIN TO GREASE TRAP PER LOCAL CODES. PC TO FURNISH AND INSTALL BACKFLOW PREVENTION PER LOCAL CODES. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
52	1	CONNECTIONS FOR EXISTING STACKED COMBI OVENS: BOTTOM SECTION: A - 3/4" UNTREATED CW 9" AFF. PC TO BRANCH TO UNTREATED WATER INLET. B - 3/4" TREATED CW 18" AFF. PC TO BRANCH FROM WATER FILTER (BY FSEC) ITEM 10A TO TREATED WATER INLET. C - 3/4" GAS SUPPLY 24" AFF. 98,000 BTU. D - 1-1/2" DRAIN TO FLOOR TROUGH (ITEM 26). DO NOT USE PVC. TO DRAIN. PC TO DRAIN TO GREASE TRAP PER LOCAL CODES. UPPER SECTION: E - 3/4" UNTREATED CW 42" AFF. PC TO BRANCH TO UNTREATED WATER INLET. F - 3/4" TREATED CW 45" AFF. PC TO BRANCH FROM WATER FILTER (BY FSEC) ITEM 10A TO TREATED WATER INLET. G - 3/4" GAS SUPPLY 48" AFF. 98,000 BTU. H - 1-1/2" DRAIN TO FLOOR TROUGH (ITEM 26). DO NOT USE PVC. TO DRAIN. PC TO DRAIN TO GREASE TRAP PER LOCAL CODES. PC TO FURNISH AND INSTALL BACKFLOW PREVENTION PER LOCAL CODES. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
53	2	3/4" GAS SUPPLY 24" AND 42" AFF FOR EXISTING STACKED CONVECTION OVENS. 55,000 BTU EA. (110,000 TOTAL) EXISTING - PC TO VERIFY ROUGH-IN LOCATIONS AND REQUIREMENTS.
54	2	3/4" GAS SUPPLY 24" AND 42" AFF FOR EXISTING STACKED CONVECTION OVENS. 55,000 BTU EA. (110,000 TOTAL) EXISTING - PC TO VERIFY ROUGH-IN LOCATIONS AND REQUIREMENTS.
59	1	CONNECTIONS FOR WORKTABLE W/ SINK: A - 1/2" HW 14" AFF. B - 1/2" CW 14" AFF. C - 2" DRAIN TO FLOOR SINK.
60	1	CONNECTIONS FOR HAND SINK: A - 1/2" HW 22" AFF. B - 1/2" CW 22" AFF. C - 1-1/2" DW 20" AFF.
69	1	CONNECTIONS FOR HAND SINK: A - 1/2" HW 22" AFF. B - 1/2" CW 22" AFF. C - 1-1/2" DW 20" AFF.
71	1	CONNECTIONS FOR WORKTABLE W/ SINK: A - 1/2" HW 14" AFF. B - 1/2" CW 14" AFF. C - 2" DRAIN TO FLOOR SINK.
77	1	CONNECTION FOR EXISTING DROP-IN HOT/COLD WELLS: 3/4" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
81	1	CONNECTION FOR EXISTING DROP-IN HOT/COLD WELLS: 3/4" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
84	1	CONNECTION FOR EXISTING DROP-IN HOT WELLS: 3/4" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
87	1	CONNECTION FOR EXISTING DROP-IN SOUP WELL: 1" DRAIN TO FLOOR SINK (2 LOCATIONS). EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
91	1	CONNECTION FOR EXISTING DROP-IN COLD WELLS: 1" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
94	1	CONNECTION FOR DROP-IN HOT/COLD WELLS: 3/4" DRAIN TO FLOOR SINK.
107	1	CONNECTION FOR EXISTING DROP-IN COLD WELLS: 1" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
109	1	CONNECTION FOR EXISTING DROP-IN COLD WELLS: 1" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
115	1	CONNECTION FOR EXISTING DROP-IN HOT/COLD WELLS: 3/4" DRAIN TO FLOOR SINK. EXISTING - PC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.

PLUMBER/FITTERS NOTES

P1. THIS PLAN SHOWS ONLY THE REQUIREMENTS FOR FOODSERVICE EQUIPMENT TO BE FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR. FOR ALL OTHER REQUIREMENTS, REFER TO ARCHITECT'S PLANS, CONSULTANT, OR OWNER.

P2. PLUMBER/FITTER CONTRACTOR IS TO VERIFY ALL REQUIREMENTS FOR EXISTING EQUIPMENT TO BE REUSED OR ITEMS LABELED "BY OTHERS".

P3. THE FOODSERVICE EQUIPMENT CONTRACTOR WILL NOT BE RESPONSIBLE FOR PROVIDING APPURTENANCES SUCH AS TEES, ELBOWS, MIXING VALVES, R.P. VALVES, GREASE TRAPS OR INTERCEPTORS, BACKFLOW DEVICES, COUPLINGS AND FITTINGS OTHER THAN THOSE FURNISHED AS STANDARD WITH EQUIPMENT TO BE FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR, EXCEPT WHERE SPECIFIED TO DO SO UNDER THE ARCHITECTS OR CONSULTANTS GENERAL KITCHEN EQUIPMENT SPECIFICATIONS.

P4. UNLESS OTHERWISE SPECIFIED, THE PLUMBER IS TO FURNISH AND INSTALL ALL NECESSARY P.V.C. PIPING AT MIN.) THROUGH AND BELOW FLOOR TO ACT AS A CHASE FOR BEVERAGE AND/OR REFRIGERATION LINE RUNS. BENDS IN P.V.C. CHASE ARE NOT TO EXCEED 45 DEGREES AT ANY SINGLE POINT.

P5. PLUMBER/FITTER TO MAKE ALL FINAL PLUMBING AND GAS CONNECTIONS TO EQUIPMENT, INCLUDING MOUNTING FAUCETS AND DRAINS. EXTEND WATER LINES FROM ALL APPLICABLE EQUIPMENT TO NEAREST INDIRECT DRAIN AS SHOWN ON PLAN.

P6. ALL MECHANICAL WORK PERFORMED IS TO BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.

P7. ALL PLUMBING, GAS AND STEAM LINES TO BE RUN WITHIN WALL CAVITIES SO AS TO HAVE ONLY SUPPLY AND RETURN STUBS PROTRUDING THROUGH WALL SURFACE. WALL PENETRATIONS ARE TO BE SEALED AND TRIM RINGS APPLIED. SURFACE MOUNTED PLUMBING, GAS AND STEAM LINES ARE NOT TO BE USED UNLESS OTHERWISE SPECIFIED ON FOODSERVICE EQUIPMENT ROUGH-IN PLANS.

P8. EQUIPMENT MANUFACTURER'S SPECIFICATION SHEETS FOR EACH PIECE OF EQUIPMENT TO BE SUPPLIED BY THE FOODSERVICE EQUIPMENT CONTRACTOR WILL BE MADE AVAILABLE TO EACH CONTRACTOR UPON REQUEST.

P9. DIMENSIONS ON THIS PLAN ARE GIVEN TO THE CENTERLINES OF THE ROUGH-INS.

P10. PLUMBING CONTRACTOR TO FURNISH AND INSTALL GAS PRESSURE REDUCING VALVE TO PROVIDE MAXIMUM OPERATING PRESSURE OF 14" W.C. TO FOODSERVICE EQUIPMENT. GAS SHUT OFF VALVE MUST BE INSTALLED TO BE ACCESSIBLE FOR INSPECTIONS.

P11. PLUMBING CONTRACTOR TO FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE(S) WHERE REQUIRED FOR FOODSERVICE EQUIPMENT.

P12. PLUMBING CONTRACTOR TO FURNISH AND INSTALL HOT WATER RECIRCULATION SYSTEM THAT SHALL PROVIDE HOT WATER SUPPLY WITHIN 20 SECONDS AT EACH SINK AND DISHMACHINE.

PLUMBING NOTE

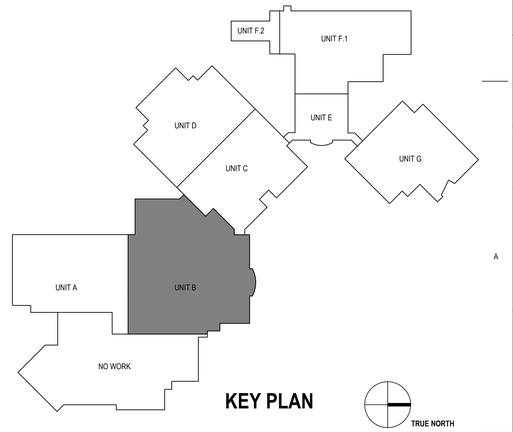
PLUMBING CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE PLUMBING CODES.
PLUMBING CONTRACTOR TO READ AND REVIEW 11 40 00 SPECIFICATIONS.

FLOOR DRAIN NOTE

EXACT LOCATION OF ALL FLOOR DRAINS TO BE LOCATED BY PLUMBING CONTRACTOR.

BACKFLOW PREVENTER NOTE

PLUMBING CONTRACTOR TO FURNISH AND INSTALL ANY AND ALL CODE COMPLYING BACKFLOW PREVENTERS PER LOCAL CODES.



KEY PLAN

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REFER TO SHEET FS300 FOR PLUMBING PLAN

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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
FOODSERVICE PLUMBING SCHEDULE

Sheet Number:
FS300A

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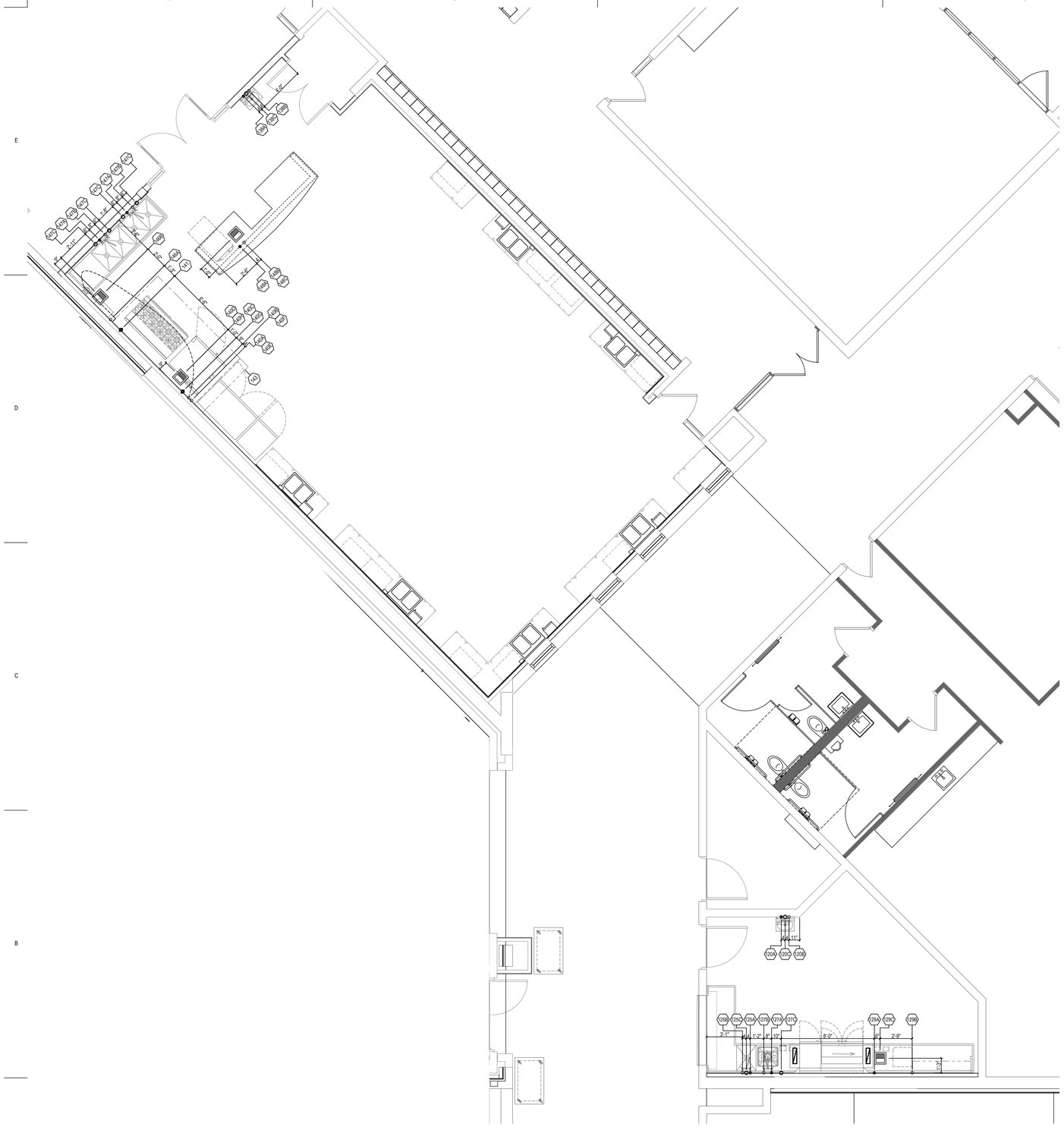
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G.C. TO PROVIDE CURB ON BUIDLING ROOF 48" X 48" 24"H FOR WALK-IN COOLER CONDENSING UNIT.

G.C. TO PROVIDE CURB ON BUIDLING ROOF 48" X 48" X 24"H FOR WALK-IN FREEZER CONDENSING UNIT.

WALLS TO BE BUILT CMU. IF ANY WALLS ARE BUILT WITH METAL STUD AND DRYWALL GC TO COORDINATE ANY WALL BLOCKING WITH FSEC FOR KITCHEN EQUIPMENT.

GC NOTE:
GC TO PRIME WALLS WHERE ST/ST WALL FLASHING IS TO BE INSTALLED.

FSEC TO ROUTE AND CONNECT REFRIGERATION LINES FROM WALK-IN COOLER/FREEZER EVAPORATOR COILS TO CONDENSING UNITS ON ROOF. SEE ARCH PLANS FOR LOCATIONS AND DETAILS. APPROXIMATELY 50' LINE SET RUN FOR EACH SYSTEM.

WALK-IN COOLER/FREEZER NOTE:
RECESS FLOOR IN THIS AREA 9" AS DIMENSIONED PLAN. THIS ENTIRE AREA MUST BE TRUE, LEVEL, SQUARE, AND REMAIN COMPLETELY CLEAR OF OBSTRUCTIONS FROM FINISH FLOOR TO 10'-0" ABOVE FINISH FLOOR, EXCEPT THOSE REQUIRED TO SERVICE THE FREEZER. EXTRA SPACE TO BE FILLED WITH GROUT AFTER WALK-IN COOLER/FREEZER INSTALLATION. FSEC TO COORDINATE WITH ARCH AND GENERAL CONTRACTOR.

16'-8½"

36'-10"

ITEM 46 (EXISTING)
8" DIA. CONNECTION COLLAR.
MIN. 690 CFM
EXISTING - VERIFY REQUIREMENTS

6'-8¾"

1'-4"

3'-4"

1'-10"

2'-4"

RECESS FLOOR IN THESE AREAS 7" FOR FLOOR TROUGH INSTALLATION SEE DETAILSHEET FS300A.

RECESS FLOOR IN THESE AREAS 7" FOR FLOOR TROUGH INSTALLATION SEE DETAIL SHEET FS300A.

49B

49A

45

8'-3"

5'-7"

6'-3"

4'-0"

2'-10"

2'-1"

ITEM 32
DISHMACHINE EXHAUST DUCT
(UNLOAD END)
DUCT SIZE: 4" X 16", 400 CFM

ITEM 33
DISHMACHINE EXHAUST DUCT
(LOAD END)
DUCT SIZE: 4" X 16", 200 CFM

13'-4"

4'-5½"

1'-0½"

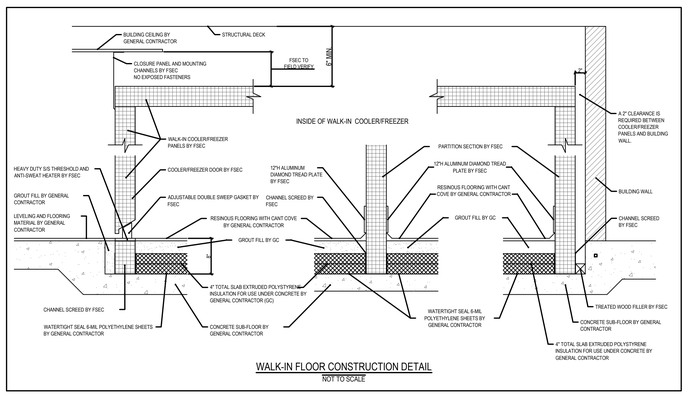
EXHAUST HOOD INFORMATION

HOOD ITEM	TYPE	PLENUM	DUCT SIZE	CFM	SP
45	TYPE I	EXHAUST	10" X 24"	2500	-0.696"
49A	TYPE I	EXHAUST	10" X 14"	1550	-0.573"
49B	TYPE I	EXHAUST	10" X 14"	1550	-0.573"

HOOD PROVIDED BY FSEC.
FANS, CURBS, ETC. PROVIDED BY OTHERS

1 FOODSERVICE SPECIAL CONDITIONS PLAN

SCALE: 1/4"=1'-0"



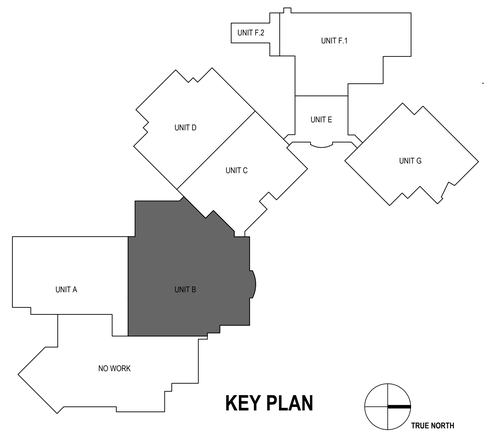
WALK-IN FLOOR CONSTRUCTION DETAIL
NOT TO SCALE

EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	COMMENTS
1	1	WALK-IN FREEZER	
2	3	WALK-IN FREEZER SHELVING	
3	14	WALK-IN FREEZER DUNNAGE RACK	
4	-	SPARE NUMBER	
5	1	WALK-IN COOLER	
6	10	WALK-IN COOLER SHELVING	
7	4	WALK-IN COOLER DUNNAGE RACK	
8	8	DUNNAGE RACKS	
9	2	TRACK SHELVING ASSEMBLY	
10	3	STACKED WATER FILTERS	
11	12	HOT HOLDING CABINET	
12	12	SPEED RACK	
13	1	CAN RACK	
14	-	SPARE NUMBER	
15	1	MOBILE EQUIPMENT STAND	
16	1	20 QT. MIXER	EXISTING
17	1	SLICER	EXISTING
18	1	WALL SHELF	
19	1	TRASH CONTAINER (BITUTE)	BY OWNER
20	1	WORKTABLE W/ SINK	
21	1	60 QT. MIXER	EXISTING
22	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
23	1	HAND SINK	
24	-	SPARE NUMBER	
25	1	FLOOR TROUGH	
26	1	FLOOR TROUGH	
27	1	MOBILE WORKTABLE	
28	1	MOBILE WORKTABLE	
29	1	MOBILE WORKTABLE	
30	1	WORKTABLE W/ SINK & OVERSHELF	
31	1	MOBILE RACK RETURN	
32	1	DISHMACHINE VENT DUCT (UNLOAD END)	
33	1	DISHMACHINE VENT DUCT (LOAD END)	
34	6	STORAGE SHELVING	
35	1	WALL SHELF	
36	1	CLEAN DISHTABLE	
37	1	WATER SOFTENER	
38	1	DISHMACHINE	
39	1	DISPOSER W/ PRE-RINSE ASSEMBLY	
40	1	SOILED DISHTABLE W/ COMPARTMENT SINKS	
41	1	TRASH CONTAINER (BRUTE)	BY OWNER
42	1	30 GALLON TILT SKILLET W/ DRAIN DRAWER	
43	1	OPEN BURNER RANGE	
44	1	80 GALLON TILT KETTLE	
45	1	EXHAUST HOOD	
46	1	ROTATING RACK OVEN	EXISTING
47	1	FLOOR TROUGH	
48	1	FLOOR TROUGH	
49	1	EXHAUST HOOD	
50	1	FIRE SUPPRESSION SYSTEM	
51	1	STACKED COMBI OVENS	EXISTING
52	1	STACKED COMBI OVENS	EXISTING
53	1	STACKED CONVECTION OVENS	EXISTING
54	1	STACKED CONVECTION OVENS	EXISTING
55	1	MICROWAVE / STEAMER	
56	1	MOBILE WORKTABLE	
57	1	MOBILE WORKTABLE	
58	1	TRASH CONTAINER (BRUTE)	BY OWNER
59	1	WORKTABLE W/ SINK	
60	1	HAND SINK	

EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	COMMENTS
61	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
62	1	TRASH CONTAINER (BRUTE)	
63	1	ROLL-IN REFRIGERATOR	
64	1	MOBILE WORKTABLE	
65	1	ROLL-THRU HEATED CABINET	
66	1	ROLL-THRU REFRIGERATOR	
67	1	ROLL-THRU HEATED CABINET	
68	1	MOBILE WORKTABLE	
69	1	HAND SINK	
70	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
71	1	WORKTABLE W/ SINK	
72	2	WALL SHELF	
73	1	CAN OPENER	
74	1	SERVING COUNTER	EXISTING
75	1	SERVING COUNTER	EXISTING
76	1	SNEEZE GUARD	EXISTING
77	1	DROP-IN HOT/COLD WELLS	EXISTING
78	1	SERVING COUNTER W/ LOAD CENTER PANEL	
79	1	SERVING COUNTER	EXISTING
80	1	SNEEZE GUARD	EXISTING
81	1	DROP-IN HOT/COLD WELLS	EXISTING
82	1	SERVING COUNTER	EXISTING
83	1	SNEEZE GUARD	EXISTING
84	1	DROP-IN HOT WELLS	EXISTING
85	1	SERVING COUNTER	
86	1	SNEEZE GUARD	EXISTING
87	2	DROP-IN SOUP WELLS	EXISTING
88	1	SERVING COUNTER	
89	1	SERVING COUNTER	EXISTING
90	1	SNEEZE GUARD	EXISTING
91	1	DROP-IN COLD WELLS	EXISTING
92	1	SERVING COUNTER	
93	1	SNEEZE GUARD	
94	1	DROP-IN HOT/COLD WELLS	
95	2	MLK COOLER	EXISTING
96	1	POS SYSTEM	BY OWNER
97	1	POS COUNTER	
98	1	TRAY & UTENSIL CART	
99	1	CONDIMENT COUNTER	
100	1	POS COUNTER	
101	1	POS SYSTEM	BY OWNER
102	1	POS COUNTER	EXISTING
103	1	POS SYSTEM	BY OWNER
104	1	CONDIMENT COUNTER	
105	1	FOOD WARMER	
106	-	SPARE NUMBER	
107	1	DROP-IN COLD WELLS	EXISTING
108	1	SERVING COUNTER	EXISTING
109	1	DROP-IN COLD WELLS	EXISTING
110	1	SNEEZE GUARD	EXISTING
111	1	SERVING COUNTER	EXISTING
112	1	SNEEZE GUARD	EXISTING
113	1	SERVING COUNTER	EXISTING
114	1	SERVING COUNTER W/ LOAD CENTER PANEL	
115	1	DROP-IN HOT/COLD WELLS	EXISTING
116	1	SNEEZE GUARD	EXISTING
117	1	SERVING COUNTER	EXISTING
118	1	REFRIGERATED MERCHANDISER	EXISTING
119	1	TRAY & UTENSIL CART	EXISTING



KEY PLAN

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534 S. ELIZABETH ST
WHITEWATER, WI 53190

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
FOODSERVICE SPECIAL CONDITIONS PLAN

Sheet Number:
FS400

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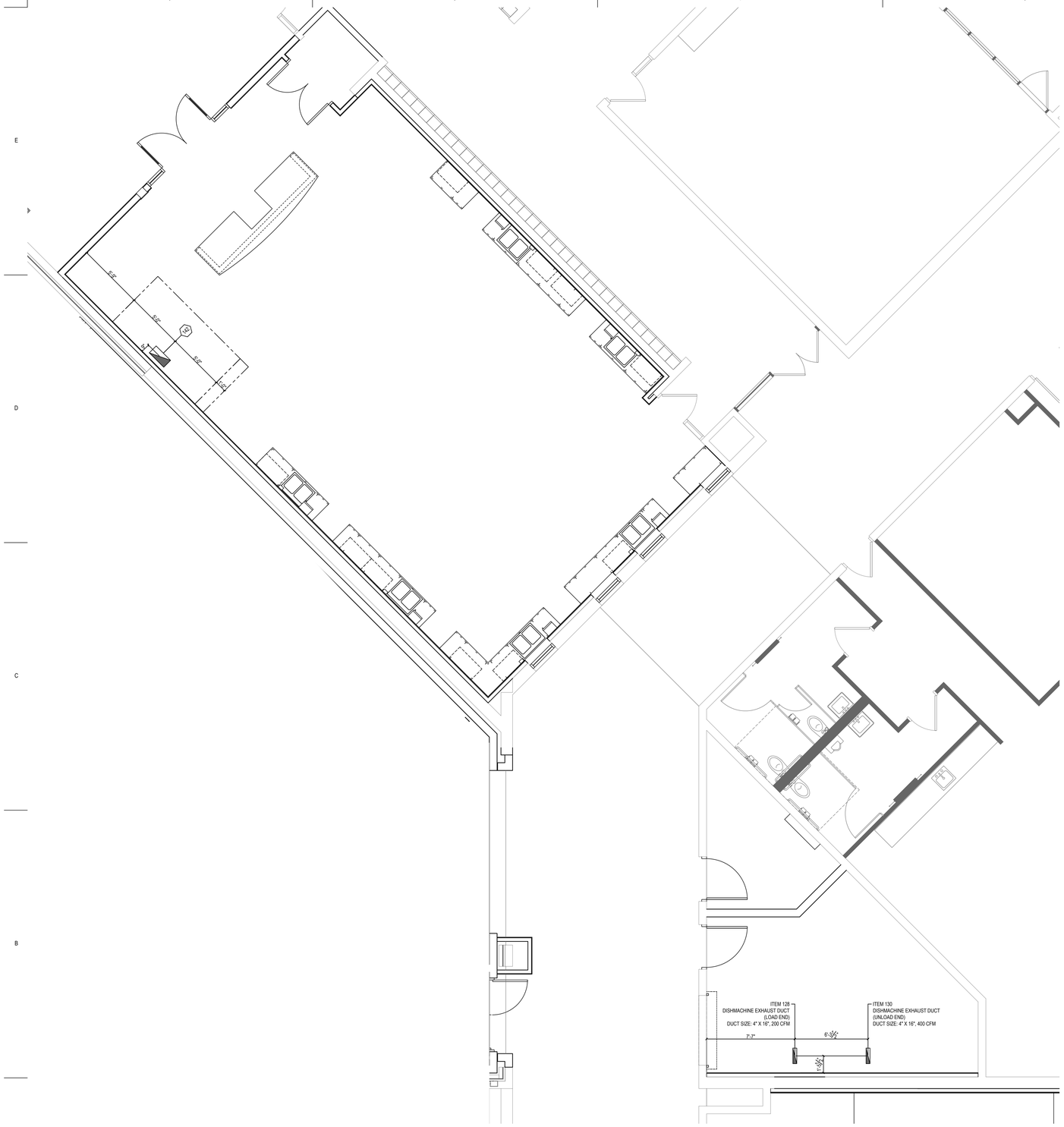


1 FOODSERVICE SPECIAL CONDITIONS PLAN
SCALE: 1/4"=1'-0"

EQUIPMENT LIST

ITEM	QTY	DESCRIPTION	COMMENTS
120	1	HAND SINK	
121	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
122	-	SPARE NUMBER	
123	-	SPARE NUMBER	
124	-	SPARE NUMBER	
125	1	SOILED DISHTABLE W/ COMPARTMENT SINK	
126	1	TRASH CONTAINER (BRUTE)	BY OWNER
127	1	DISPOSER W/ PRE-RINSE ASSEMBLY	
128	1	VENT DUCT (LOAD END)	
129	1	DISHMACHINE	EXISTING
130	1	VENT DUCT (UNLOAD END)	
131	1	CLEAN DISHTABLE	
132	1	WALL SHELF	
133	3	STORAGE SHELVING	
134	1	MOBILE RACK RETURN	EXISTING
135	2	TRAY CARTS	ALTERNATE LOCATIONS
136	1	WATER SOFTENER	
137	-	SPARE NUMBER	
138	1	HAND SINK	
139	1	TRASH CONTAINER (SLIM JIM)	BY OWNER
140	1	STACKED COMBI OVENS	
141	1	OPEN BURNER RANGE	
142	1	EXHAUST HOOD	
143	1	FIRE SUPPRESSION SYSTEM	
144	1	REACH-IN REFRIGERATOR	
145	1	REACH-IN FREEZER	
146	1	WATER FILTER	
147	1	4-COMPARTMENT SINK	
148	1	UNDERCOUNTER DISHWASHER	BY OWNER
149	1	COUNTER TOP AND LEGS	

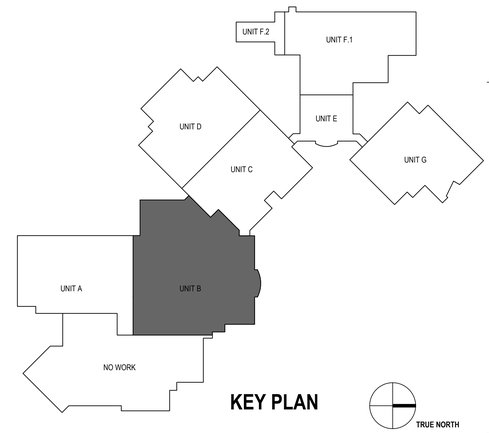
WALLS TO BE BUILT CMU. IF ANY WALLS ARE BUILT WITH METAL STUD AND DRYWALL GC TO COORDINATE ANY WALL BLOCKING WITH FSEC FOR KITCHEN EQUIPMENT.

GC NOTE:
GC TO PRIME WALLS WHERE ST/ST WALL FLASHING IS TO BE INSTALLED.

EXHAUST HOOD INFORMATION

HOOD ITEM	TYPE	PLENUM	DUCT SIZE	CFM	SP
142	TYPE I	EXHAUST	10" X 21"	2200	-0.684"

HOOD PROVIDED BY FSEC.
FANS, CURBS, ETC. PROVIDED BY OTHERS



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AIR HANDLING UNITS

UNIT NO.	SERVICE	UNIT: TYPE	SYSTEM TYPE	CFM OF STD. AIR	MIN. CFM OF O.A.	MAX. CFM OF O.A.	SUPPLY CONN. SIZE	EXT. S.P. IN IN. WATER	NO. OF FANS	MOTOR HP	FAN WHEEL TYPE	DRIVE TYPE	MOTOR TYPE	MAX VFD HZ.	FILTER TYPE	VOLUME CONTROL	SUPPORT	HEATING COIL: MAX. FACE VEL.	ENT. AIR TEMP.	LV. AIR TEMP.	ENT. H2O TEMP.	LV. H2O TEMP.	% PROP. GLYCOL	MAX. H2O P.D. IN FT.	GPM	BRANCH PIPE SIZE	COOLING COIL: MAX. FACE VEL.	ENT. AIR D.B.	ENT. AIR W.B.	LV. AIR D.B.	LV. AIR W.B.	ENT. H20 TEMP.	LV. H20 TEMP.	% PROP. GLYCOL	MAX. H2O P.D. IN FT.	GPM	BRANCH PIPE SIZE	DESIGN DIMENSIONS: LENGTH	WIDTH	HEIGHT	WEIGHT LBS.	MANUF. MODEL
AHU-5	GYM & WRESTLING	HORIZ.	SZVAV	15,500	1,000	3,900	56x34	1.5	1	20	PLENUM	DIRECT	ODP	70 Hz	2" MERV 13	VFD	CONC. PAD	550	44 °F	70 °F	160 °F	120 °F	0	10	21.9	2"	550	78 °F	67.8 °F	53 °F	52.4 °F	44 °F	57 °F	35	25	124	3"	15' - 2"	8' - 2"	5' - 0"	5100	DAIKIN CAH-030
AHU-6	GYM	HORIZ.	SZVAV	12,500	500	8,500	38x38	1.5	1	15	PLENUM	DIRECT	ODP	70 Hz	2" MERV 13	VFD	CONC. PAD	550	12 °F	95 °F	160 °F	120 °F	0	10	56.3	2 1/2"	550	79.3 °F	69.2 °F	53 °F	52.4 °F	44 °F	57 °F	35	25	112	3"	15' - 4"	7' - 2"	5' - 0"	4800	DAIKIN CAH-025
AHU-10	OFFICES	HORIZ.	VAV	10,000	1,520	1,520	46x28	3	1	15	PLENUM	DIRECT	ODP	70 Hz	2" MERV 13	VFD	STEEL STAND	550	55 °F	70 °F	160 °F	120 °F	0	10	8.2	1 1/4"	550	76.8 °F	64.7 °F	53 °F	52.4 °F	44 °F	57 °F	35	25	62	2 1/2"	12' - 2"	6' - 10"	4' - 4"	3600	DAIKIN CAH-021
AHU-11	CLASSROOMS	HORIZ.	VAV	25,000	4,100	7,500	70x40	2.5	1	30	PLENUM	DIRECT	ODP	70 Hz	2" MERV 13	VFD	CONC. PAD	550	43 °F	70 °F	160 °F	120 °F	0	10	36.6	2"	550	77.6 °F	65.9 °F	53 °F	52.4 °F	44 °F	57 °F	35	25	172	4"	18' - 2"	10' - 0"	6' - 8"	8500	DAIKIN CAH-050
AHU-B2	POOL LOCKERS	HORIZ.	SZVAV	2,100	2,100	2,100	18x18	1.5	1	2	PLENUM	DIRECT	ODP	70 Hz	2" MERV 13	VFD	CONC. PAD	550	-10 °F	100 °F	160 °F	120 °F	35	10	12.8	1 1/4"												9' - 8"	4' - 4"	2' - 6"	1000	DAIKIN CAH-006

NOTE: AHU-B2 IS UNDER ALTERNATE BID H1

ROOF MOUNTED ENERGY RECOVERY UNITS

UNIT NO.	SERVICE	SUPPLY SIDE: CFM OF STD. AIR	MIN. CFM OF O.A.	MAX. CFM OF O.A.	EXT. S.P. IN IN. WATER	WINTER E.A.T. D.B.	WINTER E.A.T. W.B.	WINTER L.A.T. D.B.	WINTER L.A.T. W.B.	SUMMER E.A.T. D.B.	SUMMER E.A.T. W.B.	SUMMER L.A.T. D.B.	SUMMER L.A.T. W.B.	MOTOR HP	FAN WHEEL TYPE	MOTOR TYPE	COOLING COIL: E.A.T. D.B.	E.A.T. W.B.	L.A.T. D.B.	L.A.T. W.B.	ENT. H20 TEMP.	LV. H20 TEMP.	GPM	BRANCH PIPE SIZE	% PROP. GLYCOL	TOT. CAP. MBH	HEATING COIL: ENT. AIR TEMP.	LV. AIR TEMP.	ENT. H20 TEMP.	LV. H20 TEMP.	GPM	BRANCH PIPE SIZE	% PROP. GLYCOL	TOT. CAP. MBH	EXHAUST SIDE: MAX. CFM OF EXH. AIR	EXT. S.P. IN IN. WATER	WINTER E.A.T. D.B.	WINTER E.A.T. W.B.	SUMMER E.A.T. D.B.	SUMMER E.A.T. W.B.	MOTOR HP	FAN WHEEL TYPE	MOTOR TYPE	INTEGRAL VFD	MAX VFD HZ.	FILTER TYPE	ENERGY WHEEL	SUPPORT	DESIGN DIMENSIONS: WIDTH	LENGTH	HEIGHT	WEIGHT LBS.	MANUF. MODEL
RERU-1	AUTOS LAB C121	3,000	300	3,000	0.75	-15 °F	-15 °F	40.8 °F	33.7 °F	87 °F	75 °F	77.8 °F	66 °F	5	PLENUM	ODP	77.8 °F	66 °F	55 °F	54 °F	44 °F	57 °F	15	1 1/2"	35	81.6	40 °F	95 °F	160 °F	120 °F	9	1 1/4"	0	180	3,000	0.75	70 °F	52 °F	75 °F	62 °F	3	PLENUM	ODP	YES	70	MERV 13	YES	ROOF CURB	6' - 1"	12' - 7"	5' - 5"	2,000	AAON
RERU-2	EXISTING FITNESS	1,725	1,725	1,725	1.5	-15 °F	-15 °F	45.1 °F	37 °F	87 °F	75 °F	78.3 °F	66.4 °F	3	PLENUM	ODP	78.3 °F	66.4 °F	55 °F	54 °F	44 °F	57 °F	12.5	1 1/4"	35	58	45 °F	70 °F	160 °F	120 °F	5	1"	0	59	1,725	1	70 °F	52 °F	75 °F	62 °F	2	PLENUM	ODP	YES	70	MERV 13	YES	ROOF CURB	4' - 10"	11' - 2"	5' - 0"	1,300	AAON

BLOWER COIL UNITS

UNIT NO.	SERVICE	UNIT: TYPE	CFM OF STD. AIR	CFM OF O.A.	EXT. S.P. IN IN. WATER	NO. OF FANS	NO. OF MOTORS	MOTOR HP	DRIVE	MOTOR TYPE	FILTER TYPE	SUPPORT	HEATING COIL: ENT. AIR D.B.	LV. AIR D.B.	ENT. H2O TEMP.	LV. H2O TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	COOLING COIL: ENT. AIR D.B.	ENT. AIR W.B.	LV. AIR D.B.	LV. AIR W.B.	ENT. H20 TEMP.	LV. H20 TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	VIBRATION ISOLATORS: TYPE	MIN. STATIC DEFLECT.	MANUF. MODEL
BCU-1	WOODS LAB C131	HORIZ.	3,700	370	1	2	2	4.42	DIRECT	ECPM	2" MERV 13	SUSPENDED	58 °F	95 °F	160 °F	120 °F	0	7.5	1 1/4"	76.4 °F	65 °F	58.9 °F	58.4 °F	44 °F	57 °F	35	12.5	1 1/4"	D	0' - 1"	DAIKIN BCHE
BCU-2	METALS LAB C120	HORIZ.	2,800	280	1	1	1	4.42	DIRECT	ECPM	2" MERV 13	SUSPENDED	58 °F	95 °F	160 °F	120 °F	0	5.7	1"	76.4 °F	65 °F	59.1 °F	58.4 °F	44 °F	57 °F	35	9.4	1 1/4"	D	0' - 1"	DAIKIN BCHE
BCU-3	ROBOTICS C116	HORIZ.	1,725	225	1	1	2	0.75	DIRECT	ECPM	2" MERV 13	SUSPENDED	57 °F	90 °F	160 °F	120 °F	0	3.1	3/4"	76.6 °F	65.2 °F	59.2 °F	58.5 °F	44 °F	57 °F	35	5.9	1"	D	0' - 1"	DAIKIN BCHD
BCU-4	KITCHEN/SERVERY	HORIZ.	2,800	280	1	1	1	4.42	DIRECT	ECPM	2" MERV 13	SUSPENDED	58 °F	95 °F	160 °F	120 °F	0	5.7	1"	76.4 °F	65 °F	57.6 °F	57.3 °F	44 °F	57 °F	35	10.9	1 1/4"	D	0' - 1"	DAIKIN BCHE

FAN COIL UNITS

UNIT NO.	SERVICE	UNIT: TYPE	CFM OF STD. AIR	CFM OF O.A.	EXT. S.P. IN IN. WATER	NO. OF FANS	MOTOR TYPE	NO. OF MOTORS	MOTOR HP EA.	DRIVE	RECESS	HEATING COIL: TOT. CAP. MBH	ENT. AIR D.B.	LV. AIR D.B.	ENT. H2O TEMP.	LV. H2O TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	COOLING COIL: TOT. MBH @ 80/67 E.A.T.	ENT. H20 TEMP.	LV. H20 TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	MANUF. MODEL
FC-1	SMALL ANIMALS C128	HC	450	100	0.5	1	ECPM	1	0.25	DIRECT	0' - 10"	22.5	49 °F	95 °F	160 °F	140 °F	0	2.3	3/4"	13.5	44 °F	57 °F	35	2.3	3/4"	DAIKIN FCHH
FC-2	AQUAPONICS C130	HC	500	100	0.5	1	ECPM	1	0.25	DIRECT	0' - 10"	24.4	50 °F	95 °F	160 °F	140 °F	0	2.5	3/4"	15	44 °F	57 °F	35	2.5	3/4"	DAIKIN FCHH
FC-3	METALS CLASSROOM C118	HC	800	225	0.5	2	ECPM	1	0.25	DIRECT	0' - 10"	44.3	44 °F	95 °F	160 °F	140 °F	0	4.5	1"	24	44 °F	57 °F	35	4	1"	DAIKIN FCHH

GAS FIRED MAKE-UP AIR UNITS

UNIT NO.	SERVICE	CFM OF STD. AIR	CFM OF O.A.	EXT. S.P. IN IN. WATER	HEATING SECTION: GAS INPUT MBH	GAS OUTPUT MBH	BURNER TYPE	GAS TYPE	GAS PRESS. IN PSIG	MOTOR HP	FAN TYPE	MOTOR TYPE	SUPPORT	DESIGN DIMENSIONS: LENGTH	WIDTH	HEIGHT	WEIGHT LBS.	MANUF. MODEL
MUA-1	METALS LAB C120	14,500	14,500	0.5	1,700	1,565	MODULATING	NAT. GAS	5	10	PLENUM	ODP	ROOF CURB	171"	52"	49"	1600	GREENHECK DGX
MUA-2	WOODS LAB C131	6,500	6,500	0.5	767	705	MODULATING	NAT. GAS	5	5	PLENUM	ODP	ROOF CURB	160"	44"	46"	1200	GREENHECK DGX

PUMPS

UNIT NO.	SERVICE	PUMP: SIZE	GPM	FEET OF WATER HEAD	MOTOR HP	MOTOR RPM	MOTOR TYPE	VFD	SUPPORT	% PROP. GLYCOL	VIBRATION ISOLATORS: TYPE	VIBRATION ISOLATORS: MIN. STATIC DEFLECT.	SUCTION DIFFUSER: INLET SIZE	SUCTION DIFFUSER: OUTLET SIZE	SUCTION DIFFUSER: START-UP STRAINER	MANUF. MODEL
P-1	HOT WATER SYSTEM	3 X 4	450	90	15	1800	ODP	YES	CONC. PAD	0	IB	0' - 1"	5"	4"	YES	B&G SERIES e1532
P-2	P-1 STANDBY	3 X 4	450	90	15	1800	ODP	YES	CONC. PAD	0	IB	0' - 1"	5"	4"	YES	B&G SERIES e1532
P-3	CHILLER PRIMARY	5 X 6	550	40	10	1200	ODP	YES	CONC. PAD	35	IB	0' - 1"	6"	6"	YES	B&G SERIES e1532
P-4	P-3 STANDBY	5 X 6	550	40	10	1200	ODP	YES	CONC. PAD	35	IB	0' - 1"	6"	6"	YES	B&G SERIES e1532
P-5	CHILLED WATER SYSTEM	3 X 4	550	130	25	3600	ODP	YES	CONC. PAD	35	IB	0' - 1"	6"	4"	YES	B&G SERIES e1532
P-6	P-5 STANDBY	3 X 4	550	130	25	3600	ODP	YES	CONC. PAD	35	IB	0' - 1"	6"	4"	YES	B&G SERIES e1532

NOTE: SCHEDULED CHILLED WATER PUMP HEAD ALREADY INCLUDES FACTORS FOR GLYCOL.

BOOSTER COILS

UNIT NO.	SERVICE	WIDTH	HEIGHT	CFM OF STD. AIR	MAX. FACE VEL. H.C.	ENT. AIR TEMP.	LV. AIR TEMP.	ENT. H2O TEMP.	LV. H2O TEMP.	ACC. DOOR SIZE	% PROP. GLYCOL	MAX. H2O P.D. IN FT.	GPM	BRANCH PIPE SIZE	MANUF. MODEL
BC-1	FITNESS A134	16	9	475	475	55 °F	85 °F	160 °F	140 °F	6" x 6"	0	10	1.6	1/2"	DAIKIN
BC-2	CLASSROOM A126	16	9	525	525	55 °F	85 °F	160 °F	140 °F	6" x 6"	0	10	1.7	1/2"	DAIKIN
BC-3	FITNESS A133	16	9	550	550	55 °F	85 °F	160 °F	140 °F	6" x 6"	0	10	1.8	1/2"	DAIKIN
BC-4	OFFICE A121	12	6	175	350	55 °F	85 °F	160 °F	140 °F	6" x 6"	0	10	0.6	1/2"	DAIKIN
BC-5	EXISTING AUDITORIUM	48	36	10,000	850	55 °F	90 °F	160 °F	120 °F	24" x 24"	0	10	19	1 1/2"	DAIKIN
BC-6	EXISTING AUDITORIUM	60	42	15,000	850	55 °F	90 °F	160 °F	120 °F	24" x 24"	0	10	28.5	2"	DAIKIN
BC-7	EXISTING GYM	60	30	9,500	760	55 °F	90 °F	160 °F	120 °F	24" x 24"	0	10	18.1	1 1/2"	DAIKIN
BC-8	EXISTING WRESTLING	48	24	6,000	750	55 °F	90 °F	160 °F	120 °F	24" x 24"	0	10	11.4	1 1/4"	DAIKIN

CABINET HEATERS

UNIT NO.	SERVICE	TYPE	CAP. MBH	CFM OF STD. AIR	MOTOR HP	DRIVE	MOTOR TYPE	SPEED	RECESS	ELEV. ABOVE FIN. FL.	ENT. H20 TEMP.	LV. H2O TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	MANUF. MODEL
CH-1	CORRIDOR A109B	CR	33.7	420	0.2	DIRECT	ECPM	3	0' - 10"	9' - 6"	160 °F	140 °F	0	4.7	1"	RITTLING 04
CH-2	CORRIDOR A109	IW	33.7	420	0.2	DIRECT	ECPM	3	0' - 0"	0' - 8"	160 °F	140 °F	0	4.7	1"	RITTLING 04
CH-3	VESTIBULE C117	IW	33.7	420	0.2	DIRECT	ECPM	3	0' - 0"	0' - 8"	160 °F	140 °F	0	4.7	1"	RITTLING 04
CH-4	STORAGE C129D	CR	17.9	220	0.2	DIRECT	ECPM	3	0' - 10"	8' - 0"	160 °F	140 °F	0	2.5	3/4"	RITTLING 02

DUST COLLECTOR

UNIT NO.	SERVICE	CFM OF STD. AIR	EXT. S.P. IN IN. WATER	MOTOR HP	DRIVE	DUST RECEIVER	SYSTEM TYPE	MAX DUST KST	SUPPORT	MANUF. MODEL
DC-1	WOODS LAB C131	7,100	9	30	BELT	(2) 55 GAL. DRUM	WOODS	185	STRUCT. STEEL STAND ON CONC. PAD	AQS DCS-30

UNIT HEATERS

UNIT NO.	SERVICE	TYPE	CAP. MBH	CFM OF STD. AIR	MOTOR HP	MOTOR RPM	SPEED	DIFFUSER	ENT. H2O TEMP.	LV. H2O TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	ELEV. ABOVE FIN. FL.	MANUF. MODEL
UH-1	WOODS LAB C131	HORIZ.	140.4	4,590	0.5	1075	1	HORIZ.	160 °F	120 °F	0	11.5	1 1/2"	10' - 0"	MODINE HC 290
UH-2	AUTOS LAB C121	HORIZ.	140.4	4,590	0.5	1075	1	HORIZ.	160 °F	120 °F	0	11.5	1 1/2"	10' - 0"	MODINE HC 290
UH-3	METALS LAB C120	HORIZ.	80.4	3,240	0.33	1075	1	HORIZ.	160 °F	120 °F	0	6.6	1 1/4"	10' - 0"	MODINE HC 165
UH-4	RECEIVING A108	HORIZ.	51.4	2,010	0.13	1625	1	HORIZ.	160 °F	120 °F	0	8.4	1 1/4"	10' - 0"	MODINE HC 108

GENERAL NOTES:

A. THE MECHANICAL CONTRACTOR IS REQUIRED TO VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK AND HE SHALL BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN THE PREPARATION OF HIS BID. LACK OF INFORMATION ON EXISTING CONDITIONS SHALL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.

B. ROUTE ALL NEW PIPING AND DUCTWORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING PIPING, CONDUIT, STRUCTURE, LIGHTING, ETC. PROVIDE ALL OFFSETS, ELBOWS, ETC. AS REQUIRED TO CONNECT BETWEEN POINTS INDICATED.

C. MECHANICAL CONTRACTOR SHALL VERIFY EXISTING CURRENT CHARACTERISTICS AT JOB SITE PRIOR TO ORDERING EQUIPMENT.

D. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT OUTLET AND GRILLE LOCATIONS WITH THE FINAL LIGHTING LAYOUT.

E. ELECTRICAL, STRUCTURAL, PLUMBING, ETC. REQUIREMENTS FOR THE EQUIPMENT MANUFACTURER LISTED ON THE SCHEDULE IS REFLECTED ON THE DOCUMENTS OF OTHER TRADES. ANY MODIFICATIONS NECESSARY TO ACCOMMODATE A MANUFACTURER OTHER THAN THAT LISTED IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

F. THE MECHANICAL CONTRACTOR SHALL COORDINATE CONSTRUCTION PHASING WITH THE GENERAL CONTRACTOR AND OWNER. PROVIDE ALL TEMPORARY PIPING, DUCTWORK, VENTILATION, CONTROLS, ETC. AS REQUIRED TO ACCOMMODATE CONSTRUCTION PHASES.

G. THE WORK SHOWN ON THESE CONSTRUCTION DRAWINGS IS TO BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS INCLUDED IN DIVISIONS 23 AND 25 OF THE COMPLETE CONTRACT DOCUMENTS.

EQUIPMENT BRANCH PIPE SIZING TABLE

NOTE: IN THE EVENT THERE IS A DISCREPANCY BETWEEN THE EQUIPMENT SCHEDULE AND THE PIPE SIZING TABLE, THE PIPE SIZING TABLE SHALL TAKE PRECEDENT.

SIZE	GPM
1/2"	0 - 1.6
3/4"	1.7 - 3.5
1"	3.6 - 6.5
1 1/4"	6.6 - 14.0
1 1/2"	14.1 - 21.0
2"	21.1 - 41.0
2 1/2"	41.1 - 66.0
3"	66.1 - 130.0
4"	130.1 - 260.0
5"	260.1 - 480.0
6"	480.1 - 800.0
8"	800.1 - 1550.0
10"	1550.1 - 2500.0
12"	2500.1 - 3600.0

GRILLES AND DIFFUSERS

TAG NO.	SERVICE	NECK SIZE	DUCT CONN. SIZE	VOLUME DAMPER LOCATION	AIR PATTERN	MANUF. MODEL
EG-1	EXHAUST GRILLE	12x12	-	DUCT TAKEOFF	EGGCRATE	PRICE 80
EG-2	EXHAUST GRILLE	16x16	-	DUCT TAKEOFF	EGGCRATE	PRICE 80
EG-3	EXHAUST GRILLE	22x22	-	DUCT TAKEOFF	EGGCRATE	PRICE 80
RG-1	RETURN GRILLE	12x12	-	DUCT TAKEOFF	EGGCRATE	PRICE 80
RG-2	RETURN GRILLE	16x16	14"Ø	DUCT TAKEOFF	EGGCRATE	PRICE 80
RG-3	RETURN GRILLE	22x22	-	DUCT TAKEOFF	EGGCRATE	PRICE 80
RG-4	SIDEWALL RETURN GRILLE	12x12	-	DUCT TAKEOFF	45°	PRICE 530
RG-5	SIDEWALL RETURN GRILLE	40x14	-	DUCT TAKEOFF	45°	PRICE 530
SG-1	PLAQUE DIFFUSER	24x24	8"Ø	DUCT TAKEOFF	4-WAY	PRICE SPD
SG-2	PLAQUE DIFFUSER	24x24	10"Ø	DUCT TAKEOFF	4-WAY	PRICE SPD
SG-3	PLAQUE DIFFUSER	24x24	12"Ø	DUCT TAKEOFF	4-WAY	PRICE SPD
SG-4	SIDEWALL SUPPLY GRILLE	24x4	-	DUCT TAKEOFF	22.5°	PRICE 520
SG-5	SIDEWALL SUPPLY GRILLE	10x8	-	DUCT TAKEOFF	22.5°	PRICE 520
SG-6	SIDEWALL SUPPLY GRILLE	16x8	-	DUCT TAKEOFF	22.5°	PRICE 520
SG-7	SIDEWALL SUPPLY GRILLE	10x10	-	DUCT TAKEOFF	22.5°	PRICE 520
SG-8	SIDEWALL SUPPLY GRILLE	18x12	-	DUCT TAKEOFF	22.5°	PRICE 520
TG-1	TRANSFER GRILLE	12x12	-	-	EGGCRATE	PRICE 80
TG-2	TRANSFER GRILLE	22x22	-	-	EGGCRATE	PRICE 80
TG-3	SIDEWALL TRANSFER GRILLE	12x12	-		45°	PRICE 530

SYMBOLS

HS	HOT WATER SUPPLY
HR	HOT WATER RETURN
CS	CHILLED WATER SUPPLY
CR	CHILLED WATER RETURN
G	GAS
PCS	PRIMARY CHILLED WATER SUPPLY
PCR	PRIMARY CHILLED WATER RETURN
BV	BALL VALVE
	BUTTERFLY VALVE
CBV	CALIBRATED BALANCING VALVE
	FLOW DIRECTION
	GAS VALVE
	UNION
	FLEXIBLE DUCT
VD	MANUAL VOLUME DAMPER
CD	CONTROL DAMPER WITH ACCESSIBLE DUCT ACCESS DOOR
CDA	COMBINATION CONTROL DAMPER AND AIR MEASURING STATION WITH ACCESSIBLE DUCT ACCESS DOOR
FD	FIRE DAMPER WITH ACCESSIBLE DUCT ACCESS DOOR
FSD	COMBINATIONS SMOKE/FIRE DAMPER WITH ACCESSIBLE DUCT ACCESS DOOR
	ACOUSTICAL INSULATION LINING ON INSIDE OF DUCT. LISTED DIMENSION IS CLEAR INSIDE DIMENSION.
	TURNING VANES
	BRANCH TAKE-OFF
M2	LOW PRESSURE FLEX. DUCT FITTING WITH MANUAL VOLUME DAMPER
UC	1" DOOR UNDERCUT. DOOR UNDERCUT BY GEN. CONTR.
T	ROOM SENSOR OR THERMOSTAT
S	REMOTE MOUNTED SWITCH
	CONNECT TO EXISTING DUCTWORK OR PIPING. FIELD VERIFY EXACT REQUIREMENTS.
	STATIC PRESSURE SENSOR

HVAC SHEET INDEX		HVAC SHEET INDEX	
MSA JOB No. 00377241		MSA JOB No. 00377241	
H0.1	SCHEDULES	H2.2A	UNIT A - SECOND FLOOR DUCTWORK PLAN
H0.2	SCHEDULES	H2.2B	UNIT B - SECOND FLOOR DUCTWORK PLAN
H1.1	OVERALL FIRST FLOOR DEMOLITION PLAN	H2.2C	UNIT C - SECOND FLOOR DUCTWORK PLAN
H1.1A	UNIT A - FIRST FLOOR DEMOLITION PLAN	H2.2F	UNIT F - SECOND FLOOR DUCTWORK PLAN
H1.1B	UNIT B - FIRST FLOOR DEMOLITION PLAN	H2.2G	UNIT G - SECOND FLOOR DUCTWORK PLAN
H1.1C	UNIT C - FIRST FLOOR DEMOLITION PLAN	H2.3	OVERALL ROOF PLAN
H1.1F	UNIT F - FIRST FLOOR DEMOLITION PLAN	H3.1A	UNIT A - FIRST FLOOR PIPING PLAN
H1.2	OVERALL SECOND FLOOR DEMOLITION PLAN	H3.1B	UNIT B - FIRST FLOOR PIPING PLAN
H1.2A	UNIT A - SECOND FLOOR DEMOLITION PLAN	H3.1C	UNIT C - FIRST FLOOR PIPING PLAN
H1.2B	UNIT B - SECOND FLOOR DEMOLITION PLAN	H3.1F	UNIT F - FIRST FLOOR PIPING PLAN
H1.2F	UNIT F - SECOND FLOOR DEMOLITION PLAN	H3.2A	UNIT A - SECOND FLOOR PIPING PLAN
H1.2G	UNIT G - SECOND FLOOR DEMOLITION PLAN	H3.2B	UNIT B - SECOND FLOOR PIPING PLAN
H1.3	OVERALL ROOF DEMOLITION PLAN	H3.2F	UNIT F - SECOND FLOOR PIPING PLAN
H2.1	OVERALL FIRST FLOOR PLAN	H3.2G	UNIT G - SECOND FLOOR PIPING PLAN
H2.1A	UNIT A - FIRST FLOOR DUCTWORK PLAN	H4.1	GYM MECHANICAL ROOM PLANS
H2.1B	UNIT B - FIRST FLOOR DUCTWORK PLAN	H4.2	WOODS AND AUTO MECHANICAL MEZZANINE PLANS
H2.1C	UNIT C - FIRST FLOOR DUCTWORK PLAN	H4.3	AUDITORIUM & AQUATICS MECHANICAL ROOM PLANS
H2.1F	UNIT F - FIRST FLOOR DUCTWORK PLAN	H6.1	DETAILS
H2.2	OVERALL SECOND FLOOR PLAN	H6.2	DETAILS

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SCHEDULES

Sheet Number:
H0.1

CRAIG D. NESSMAN E-37392 MUSKEGO WI PROFESSIONAL ENGINEER
12/19/2025

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UTILITY EXHAUST FANS

UNIT NO.	SERVICE	CFM OF STD. AIR	MAX. O.V.	EXT. S.P. IN IN. WATER	MOTOR HP	DRIVE	MOTOR TYPE	FAN DIA.	FAN WHEEL TYPE	FAN ROTATION	FAN DISCHARGE	W.P. COVER	DAMPER	SUPPORT	VIBRATION ISOLATORS		MANUF. MODEL
															TYPE	MIN. STATIC DEFLECT.	
UE-1	WELDING EXHAUST	4,900	2650	2.5	5	BELT	ODP	18"	AF	CW	UBD	YES	MOTORIZED	EQ. SUPP. RAILS	C	1"	COOK CPS-A-180
UE-2	WELDING EXHAUST	4,200	2300	2.5	3	BELT	ODP	18"	AF	CW	UBD	YES	MOTORIZED	EQ. SUPP. RAILS	C	1"	COOK CPS-A-180
UE-3	PLASMA TABLE HOOD	3,600	2300	1.5	2	BELT	ODP	16 1/2"	AF	CW	UBD	YES	MOTORIZED	EQ. SUPP. RAILS	C	1"	COOK CPS-A-165
UE-4	LASER ENGRAVER	500	1875	6	2	BELT	ODP	10"	BI	CW	UBD	YES	MOTORIZED	EQ. SUPP. RAILS	C	1"	COOK MH-70

IN-LINE EXHAUST FANS

UNIT NO.	SERVICE	CFM OF STD. AIR	EXT. S.P. IN IN. WATER	MAX. O.V. FPM	MOTOR HP	DRIVE	FAN DIA.	MOTOR TYPE	VOLUME CONTROL	SUPPORT	VIBRATION ISOLATORS		MANUF. MODEL
											TYPE	MIN. STATIC DEFLECT.	
IF-1	FCS LAB FLUSHING	2,500	0.75	900	1	DIRECT	1' - 3"	ODP	VFD	SUSPENDED	D	1"	COOK SQND-150

VARIABLE AIR VOLUME BOXES

BOX						HEATING COIL							
UNIT NO.	SERVICE	CFM OF STD. AIR	MIN. CFM OF STD. AIR	UPSTREAM DUCT SIZE	MAX. AIR P.D. IN IN. OF WATER	HEATING CFM OF STD. AIR	ENT. AIR TEMP.	LV. AIR TEMP.	ENT. H2O TEMP.	LV. H2O TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	MANUF. MODEL
V-1	SCHOOL STORE A100A	300	90	6"Ø	1	300	55 °F	85 °F	160 °F	120 °F	0	0.5	1/2"	PRICE SDV
V-2	CLEANING A106	275	80	6"Ø	1	275	55 °F	85 °F	160 °F	120 °F	0	0.4	1/2"	PRICE SDV

ROOF EXHAUSTERS

UNIT NO.	SERVICE	CFM OF STD. AIR	MAX. SONES	EXT. S.P. IN IN. WATER	MOTOR HP	DRIVE	MOTOR TYPE	VOLUME CONTROL	DAMPER	SUPPORT	MANUF. MODEL
RE-1	WOODS LAB FLUSHING	3,000	14	0.5	0.75	DIRECT	ODP	VFD	BY B.A.S.	ROOF CURB	COOK ACRUD-195
RE-2	METALS LAB FLUSHING	3,000	14	0.5	0.75	DIRECT	ODP	VFD	BY B.A.S.	ROOF CURB	COOK ACRUD-195
RE-3	XAHU-8 O.A. RELIEF	1,650	17	0.5	0.75	DIRECT	ECPM	ECM/VFD	BY B.A.S.	ROOF CURB	COOK ACRUD-VF-165
RE-4	XAHU-8 ECONOMIZER RELIEF	9,700	23	0.5	3	DIRECT	ODP	VFD	BY B.A.S.	ROOF CURB	COOK ACRUD-270
RE-5	KITCHEN HOOD	3,100	20	1.5	2	DIRECT	ODP	VFD	NONE	ROOF CURB	COOK VCRD-180
RE-6	KITCHEN HOOD	2,500	17	1.5	2	DIRECT	ODP	VFD	NONE	ROOF CURB	COOK VCRD-180
RE-7	FCS LAB HOOD	2,200	21	1.5	2	DIRECT	ODP	VFD	NONE	ROOF CURB	COOK VCRD-165
RE-8	DISHWASH HOOD	1,000	21	1	0.5	DIRECT	ECPM	ECM/POT.	BY B.A.S.	ROOF CURB	COOK ACRUD-VF-150
RE-9	DISHWASH HOOD	1,000	21	1	0.5	DIRECT	ECPM	ECM/POT.	BY B.A.S.	ROOF CURB	COOK ACRUD-VF-150
RE-10	TOILET A107E AND LOCKERS A107D	250	7	0.5	0.167	DIRECT	ECPM	ECM/POT.	BY B.A.S.	ROOF CURB	COOK ACRUD-EC-90

HEAT EXCHANGERS

UNIT NO.	SERVICE	ENT. COIL TEMP.	LV. COIL TEMP.	% PROP. GLYCOL	GPM	BRANCH PIPE SIZE	ENT. H20 TEMP.	LV. H20 TEMP.	GPM	BRANCH PIPE SIZE	HEAT EXCH. TYPE	MAX. P.D. IN FT. WATER	MANUF. MODEL
HX-1	AHU-B2	120 °F	160 °F	35	13	1 1/4"	180 °F	140 °F	13	1 1/4"	PLATE	10	B&G BP405-50

NOTE: HX-1 IS UNDER ALTERNATE BID H1

CEILING EXHAUST FANS

UNIT NO.	SERVICE	CFM OF STD. AIR	TYPE	MAX. SONES	EXT. S.P. IN IN. WATER	MOTOR WATTS	MOTOR RPM	MOTOR TYPE	VOLUME CONTROL	MANUF. MODEL
CE-1	SMALL ANIMALS C128	150	CLG.	4	0.5	35 W	1675	ECPM	ECM/POT.	COOK GC-186
CE-2	AQUAPONICS C130	150	CLG.	4	0.5	35 W	1675	ECPM	ECM/POT.	COOK GC-186
CE-3	CUSTODIAN A106A	150	CLG.	4	0.5	35 W	1675	ECPM	ECM/POT.	COOK GC-186
CE-4	DATA C108	200	CLG.	6	0.5	60 W	1675	ECPM	ECM/POT.	COOK GC-186
CE-6	EL. EQUIP. A124	150	CLG.	4	0.5	35 W	1675	ECPM	ECM/POT.	COOK GC-186

IN-LINE PUMPS

UNIT NO.	SERVICE	SIZE	GPM	FEET OF WATER HEAD	MOTOR HP	MOTOR RPM	MOTOR TYPE	SUPPORT	MANUF. MODEL
IP-1	AHU-B2	1.25 x 1.25	13	30	0.5	3531	ECPM	PIPE	B&G XL 55-45
IP-2	AHU-5	1.25 x 1.25	22	30	0.5	3755	ECPM	PIPE	B&G XL 55-45
IP-3	AHU-6	1.5 x 1.5	57	30	1	2594	ECPM	PIPE	B&G XL 65-130
IP-4	AHU-10	1.25 x 1.25	9	30	0.5	3465	ECPM	PIPE	B&G XL 55-45
IP-5	AHU-11	1.5 x 1.5	37	30	1	2460	ECPM	PIPE	B&G XL 65-130
IP-6	RERU-1	1.25 x 1.25	9	30	0.5	3465	ECPM	PIPE	B&G XL 55-45
IP-7	RERU-2	1.25 x 1.25	5	30	0.5	3409	ECPM	PIPE	B&G XL 55-45
IP-8	BCU-1	1.25 x 1.25	8	30	0.5	3450	ECPM	PIPE	B&G XL 55-45
IP-9	BCU-2	1.25 x 1.25	6	30	0.5	3423	ECPM	PIPE	B&G XL 55-45
IP-10	BCU-3	1.25 x 1.25	3	30	0.16666	4141	ECPM	PIPE	B&G XL 36-45
IP-11	BCU-4	1.25 x 1.25	6	30	0.5	3423	ECPM	PIPE	B&G XL 55-45
IP-12	BC-5	1.25 x 1.25	19	30	0.5	3667	ECPM	PIPE	B&G XL 55-45
IP-13	BC-6	1.25 x 1.25	29	30	0.5	4012	ECPM	PIPE	B&G XL 55-45

NOTE: IP-1 IS UNDER ALTERNATE BID H1

COMBINATION FIRE/SMOKE DAMPERS

UNIT NO.	LOCATION	ASSOCIATED SYSTEM	DUCT SIZE IN (IN.)			SMOKE DETECTOR	OVAL CONN. REQ.	MANUF. MODEL
			WIDTH	HEIGHT	DIAMETER			
FSD-1	SERVERY A107B	AHU-10	42	24		YES	NO	RUSKIN
FSD-2	SERVERY A107B	AHU-10	36	24		YES	NO	RUSKIN
FSD-3	CONCESSION/CAFE A100B	XAHU-8	64	28		YES	NO	RUSKIN
FSD-4	CUSTODIAN A106A	AHU-10	36	24		YES	NO	RUSKIN
FSD-5	SERVERY A107B	TRANSFER	48	24		YES	NO	RUSKIN
FSD-6	OFFICE A121	RERU-2	28	16		YES	NO	RUSKIN
FSD-7	OFFICE A121	RERU-2	26	14		YES	NO	RUSKIN
FSD-8	FITNESS A133	RERU-2	16	10		YES	NO	RUSKIN
FSD-9	FITNESS A133	RERU-2	12	12		YES	NO	RUSKIN
FSD-10	FITNESS A134	RERU-2	12	12		YES	NO	RUSKIN
FSD-11	C.R. A126	RERU-2	12	12		YES	NO	RUSKIN
FSD-12	C.R. A126	RERU-2	16	10		YES	NO	RUSKIN
FSD-13	CONCESSION/CAFE A100B	XAHU-8	12	12		YES	NO	RUSKIN
FSD-14	SCHOOL STORE A100A	XAHU-8	12	12		YES	NO	RUSKIN
FSD-15	TOILET A107E	AHU-10	40	28		YES	NO	RUSKIN
FSD-16	MECHANICAL D173	XAHU-8	62	26		YES	NO	RUSKIN

BUFFER TANKS

UNIT NO.	SERVICE	TYPE	SYSTEM PIPE SIZE	TANK DIA.	TANK HEIGHT	CAPACITY GAL.	SUPPORT	MANUF. MODEL
BT-1	CHILLED WATER	VERT.	6"	30"	83"	211	CONC. PAD	TACO BTL
BT-2	CHILLED WATER	VERT.	6"	30"	83"	211	CONC. PAD	TACO BTL

EXPANSION TANKS

UNIT NO.	SERVICE	TYPE	TANK DIA.	TANK HEIGHT	CAPACITY GAL.	SUPPORT	MANUF. MODEL
EXP-1	HOT WATER	VERT.	36"	88"	317	CONC. PAD	B&G SERIES B
EXP-2	CHILLED WATER	VERT.	24"	55"	80	CONC. PAD	B&G SERIES B

DESTRATIFICATION FANS

UNIT NO.	SERVICE	CFM OF STD. AIR	FAN DIA	MOTOR WATTS	SOLID STATE SPEED CONTROLLER	BLADE HEIGHT A.F.F.	MANUF. MODEL
DS-1	ROBOTICS C116	3,861	4' - 0"	45 W	YES	18' - 0"	QMARK
DS-2	ROBOTICS C116	3,861	4' - 0"	45 W	YES	18' - 0"	QMARK

MAGNETIC AIR & DIRT SEPARATORS

UNIT NO.	SERVICE	SYSTEM PIPE SIZE	GPM	SUPPORT	MANUF. MODEL
MS-1	HOT WATER	5"	450	SUSPENDED	CALEFFI NA546M
MS-2	CHILLED WATER	6"	550	SUSPENDED	CALEFFI NA546M

WEATHERPROOF LOUVERS

UNIT NO.	SERVICE	NOM. WIDTH (IN.)	NOM. HEIGHT (IN.)	CFM	MAX FREE AREA VELOCITY (FPM)	MANUF. MODEL
WPL-1	FC-1	16	16	450	1,000	RUSKIN ELF6375DX
WPL-2	FC-2	16	16	500	1,000	RUSKIN ELF6375DX
WPL-3	FC-3	16	16	800	1,000	RUSKIN ELF6375DX
WPL-4	IF-1	48	16	2,500	1,000	RUSKIN ELF6375DX

UNDERCUT DOORS

ROOM NAME/NO.	SYMBOL	DESCRIPTION	HEIGHT OF UNDERCUT
TOILET A107E	UC	DOOR UNDERCUT	0' - 1"

VARIABLE FREQUENCY DRIVES

UNIT NO.	SERVICE	CONTROL TYPE	MANUF. MODEL
VFD-1	P-1	PRESS. DIFF. CONT.	ABB ACH-580
VFD-2	P-2	PRESS. DIFF. CONT.	ABB ACH-580
VFD-3	P-3	BALANCING	ABB ACH-580
VFD-4	P-4	BALANCING	ABB ACH-580
VFD-5	P-5	PRESS. DIFF. CONT.	ABB ACH-580
VFD-6	P-6	PRESS. DIFF. CONT.	ABB ACH-580
VFD-7	AHU-5	SZVAV	ABB ACH-580
VFD-8	AHU-6	SZVAV	ABB ACH-580
VFD-9	AHU-10	VAV	ABB ACH-580
VFD-10	AHU-11	VAV	ABB ACH-580
VFD-11	AHU-B2	BALANCING	ABB ACH-580

NOTE: PLEASE REFER TO THE MOTOR STARTERS SCHEDULE FOR MOTOR HP AND VOLTAGE REQUIREMENTS.

MOTOR STARTERS

DESCRIPTION	MCA	MOCP	MOTOR HP	VOLTAGE	PHASE	KW	STARTER FURNISHED BY	STARTER INSTALLED BY	STARTER LOCATION	STARTER TYPE	REMARKS
				120	1		HVAC	HVAC	PRE-WIRED	-	
AHU-5			20	480	3		HVAC	EC	NEAR UNIT	VFD	
AHU-6			15	480	3		HVAC	EC	NEAR UNIT	VFD	
AHU-10			15	480	3		HVAC	EC	NEAR UNIT	VFD	
AHU-11			30	480	3		HVAC	EC	NEAR UNIT	VFD	
AHU-B2			2	480	3		HVAC	EC	NEAR UNIT	VFD	
BAS-1	15	15		120	1		HVAC	HVAC	PRE-WIRED	-	
BCU-1			4.42	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD	UNIT HAS (2) ECPM MOTORS
BCU-2			4.42	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD	
BCU-3			0.75	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD	
BCU-4			4.42	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD	
CE-1				120	1	0.04	HVAC	HVAC	PRE-WIRED	ECM/POT.	
CE-2				120	1	0.04	HVAC	HVAC	PRE-WIRED	ECM/POT.	
CE-3				120	1	0.04	HVAC	HVAC	PRE-WIRED	ECM/POT.	
CE-4				120	1	0.06	HVAC	HVAC	PRE-WIRED	ECM/POT.	
CE-6				120	1	0.04	HVAC	HVAC	PRE-WIRED	ECM/POT.	
CH-1			0.2	120	1		HVAC	HVAC	PRE-WIRED	-	
CH-2			0.2	120	1		HVAC	HVAC	PRE-WIRED	-	
CH-3			0.2	120	1		HVAC	HVAC	PRE-WIRED	-	
CH-4			0.2	120	1		HVAC	HVAC	PRE-WIRED	-	
DC-1			30	480	3		HVAC	EC	NEAR UNIT		
DC-1 CONTROL PANEL	15	15		120	1		HVAC	HVAC	PRE-WIRED	-	
DS-1				120	1	0.05	HVAC	EC	NEAR UNIT	SP. SW.	
DS-2				120	1	0.05	HVAC	EC	NEAR UNIT	SP. SW.	
FC-1			0.25	120	1		HVAC	HVAC	PRE-WIRED	-	
FC-2			0.25	120	1		HVAC	HVAC	PRE-WIRED	-	
FC-3			0.25	120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-1				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-2				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-3				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-4				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-5				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-6				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-7				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-8				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-9				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-10				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-11				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-12				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-13				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-14				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-15				120	1		HVAC	HVAC	PRE-WIRED	-	
FSD-16				120	1		HVAC	HVAC	PRE-WIRED	-	
IF-1			1	208	3		HVAC	EC	NEAR UNIT	VFD	
IP-1			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-2			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-3			1	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-4			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-5			1	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-6			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-7			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-8			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-9			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-10			0.16666	120	1		HVAC	HVAC	PRE-WIRED	-	
IP-11			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-12			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
IP-13			0.5	208	1		HVAC	HVAC	PRE-WIRED	-	
MUA-1			10	480	3		HVAC	HVAC	PRE-WIRED	-	
MUA-2			5	480	3		HVAC	HVAC	PRE-WIRED	-	
P-1			15	480	3		HVAC	EC	NEAR UNIT	VFD	
P-2			15	480	3		HVAC	EC	NEAR UNIT	VFD	
P-3			10	480	3		HVAC	EC	NEAR UNIT	VFD	
P-4			10	480	3		HVAC	EC	NEAR UNIT	VFD	
P-5			25	480	3		HVAC	EC	NEAR UNIT	VFD	
P-6			25	480	3		HVAC	EC	NEAR UNIT	VFD	
RE-1			0.75	480	3		HVAC	HVAC	PRE-WIRED	VFD	
RE-2			0.75	480	3		HVAC	HVAC	PRE-WIRED	VFD	
RE-3			0.75	480	3		HVAC	HVAC	PRE-WIRED	ECM/VFD	
RE-4			3	480	3		HVAC	HVAC	PRE-WIRED	VFD	
RE-5			2	480	3		HVAC	HVAC	PRE-WIRED	VFD	
RE-6			2	480	3		HVAC	HVAC	PRE-WIRED	VFD	
RE-7			2	480	3		HVAC	HVAC	PRE-WIRED	VFD	
RE-8			0.5	120	1		HVAC	HVAC	PRE-WIRED	ECM/POT.	
RE-9			0.5	120	1		HVAC	HVAC	PRE-WIRED	ECM/POT.	
RE-10			0.167	120	1		HVAC	HVAC	PRE-WIRED	ECM/POT.	
RERU-1	15	20		480	3		HVAC	HVAC	PRE-WIRED	-	
RERU-2	15	20		480	3		HVAC	HVAC	PRE-WIRED	-	
UE-1			5	480	3		HVAC	HVAC	PRE-WIRED	VFD	
UE-2			3	480	3		HVAC	HVAC	PRE-WIRED	VFD	
UE-3			2	480	3		HVAC	HVAC	PRE-WIRED	VFD	
UE-4			2	480	3		HVAC	HVAC	PRE-WIRED	VFD	
UH-1			0.5	120	1		HVAC	EC	NEAR UNIT	MAN.	
UH-2			0.5	120	1		HVAC	EC	NEAR UNIT	MAN.	
UH-3			0.33	120	1		HVAC	EC	NEAR UNIT	MAN.	
UH-4			0.13	120	1		HVAC	EC	NEAR UNIT	MAN.	
VEF-1			1	208	3		HVAC	HVAC	PRE-WIRED	-	
VEF-2			1	208	3		HVAC	HVAC	PRE-WIRED	-	
XGFS-1	1	15		120	1		HVAC	HVAC	PRE-WIRED	-	
XUH-10			0.25	120	1		HVAC	EC	NEAR UNIT	MAN.	

WEATHERPROOF HOODS

UNIT NO.	SERVICE	TYPE	CFM OF STD. AIR	THROAT DIMENSIONS		MIN. HOOD FREE AREA (% OF THROAT AREA)	MIN. OPENING HEIGHT ABOVE ROOF	SUPPORT	MANUF. MODEL
				WIDTH	LENGTH				
WPH-1	AHU-10	INTAKE	10,000	3' - 0"	3' - 0"	200%	3' - 0"	ROOF CURB	COOK
WPH-2	BCU-2	INTAKE	2,800	2' - 0"	1' - 6"	200%	3' - 0"	ROOF CURB	COOK
WPH-3	BCU-3	INTAKE	1,725	1' - 6"	1' - 6"	200%	3' - 0"	ROOF CURB	COOK
WPH-4	BCU-4	INTAKE	2,800	2' - 0"	1' - 6"	200%	3' - 0"	ROOF CURB	COOK
WPH-5	AHU-5	INTAKE	15,700	4' - 0"	4' - 0"	200%	3' - 0"	ROOF CURB	COOK
WPH-6	AHU-6	INTAKE	12,500	3' - 6"	3' - 6"	200%	3' - 0"	ROOF CURB	COOK

VEHICLE EXTRACTION HOSE REEL AND FAN

UNIT NO.	SERVICE	CFM	HOSE DIAMETER	HOSE LENGTH	MOTOR HP	MANUF. MODEL
VEF-1	AUTOS LAB C121	600	5	34' - 0"	1	MONOXIVENT 9000 SERIES
VEF-2	AUTOS LAB C121	600	5	34' - 0"	1	MONOXIVENT 9000 SERIES

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WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

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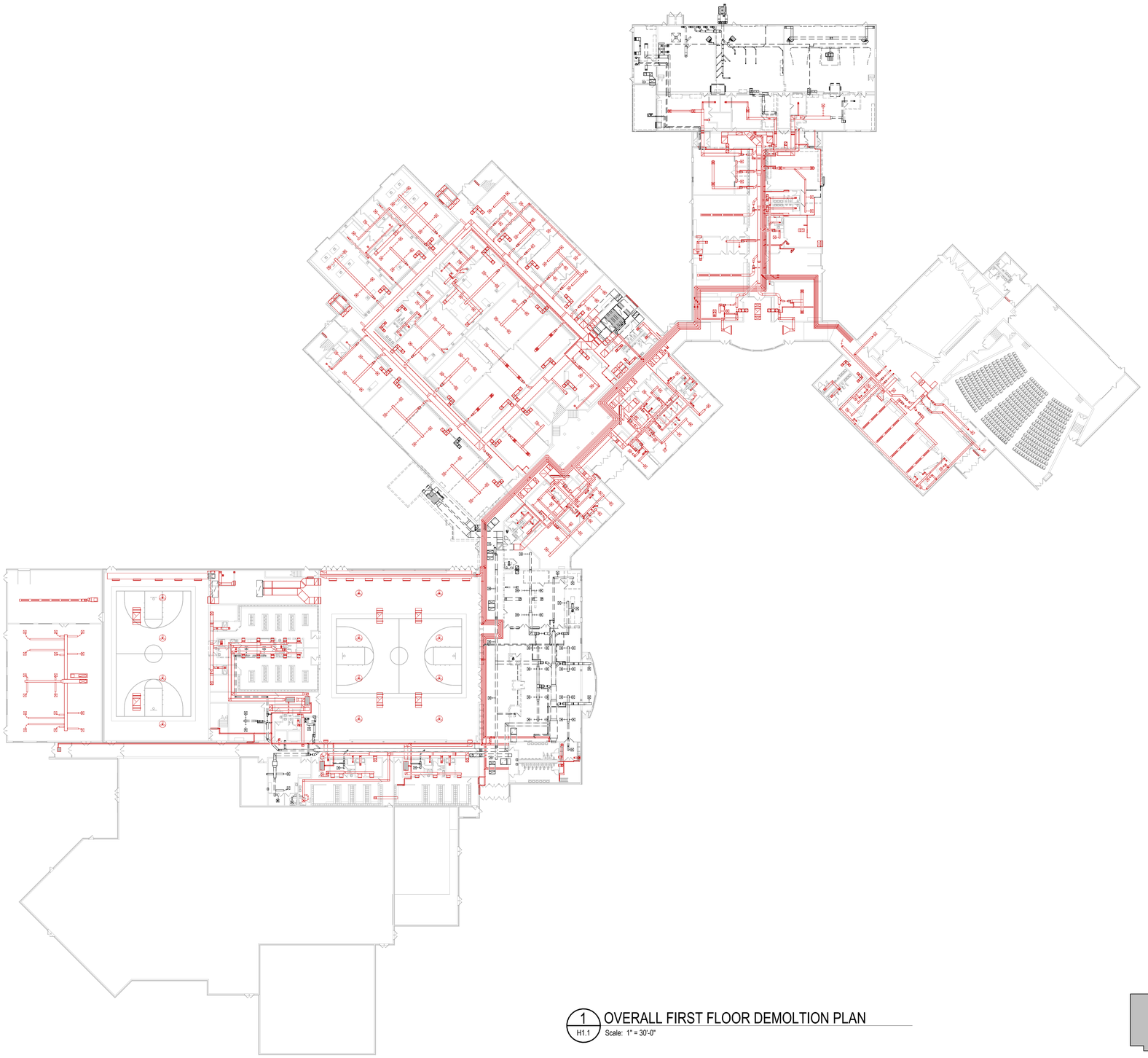
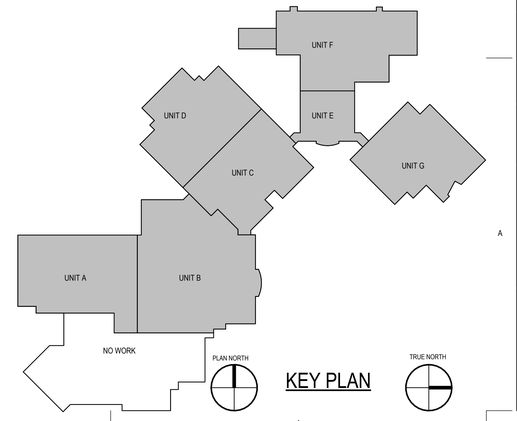
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

KEYED NOTES	
HEX KEY	DESCRIPTION



1 H1.1 OVERALL FIRST FLOOR DEMOLTION PLAN
Scale: 1" = 30'-0"



KEY PLAN

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Sheet Title:
OVERALL FIRST FLOOR DEMOLITION PLAN

Sheet Number:
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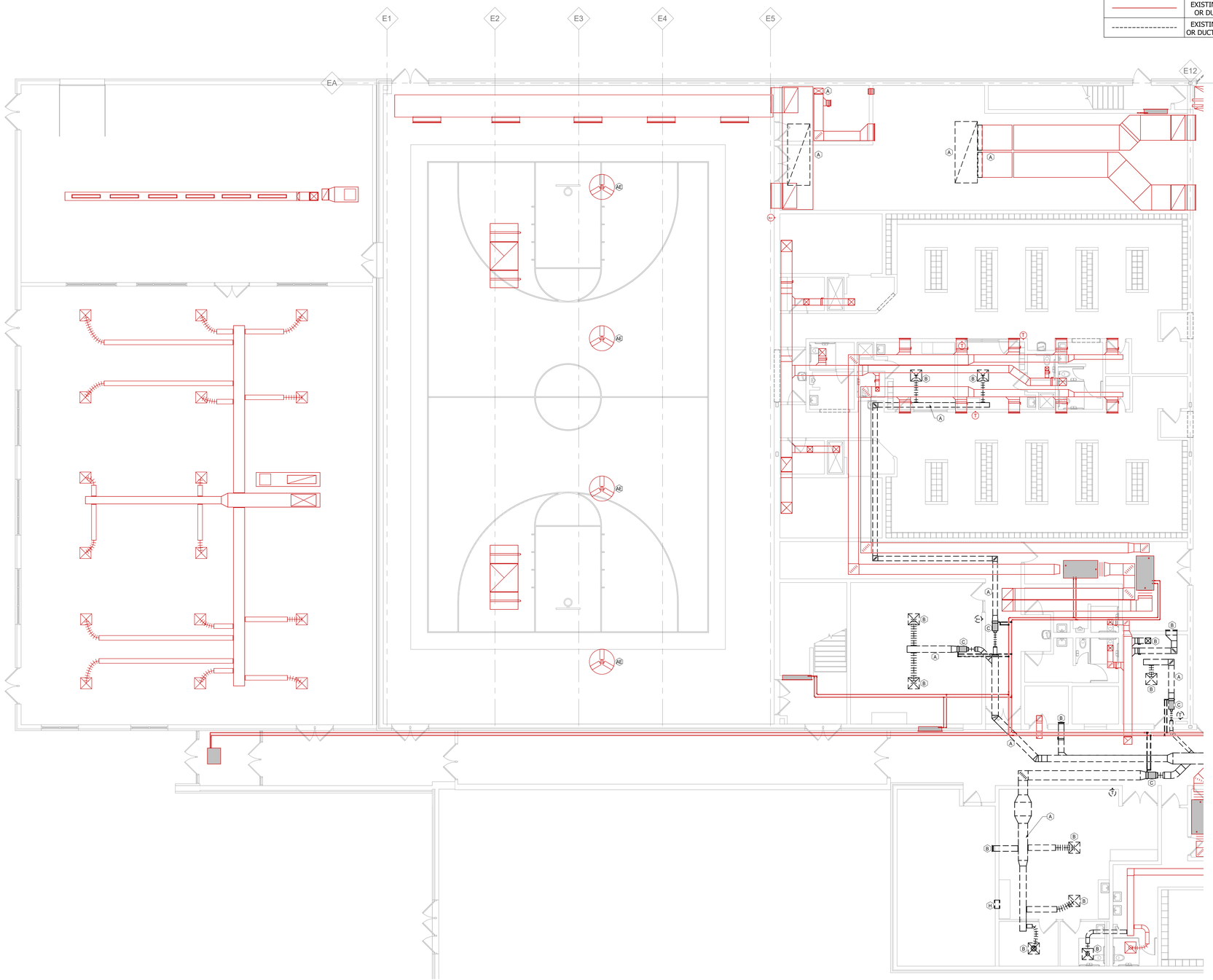
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

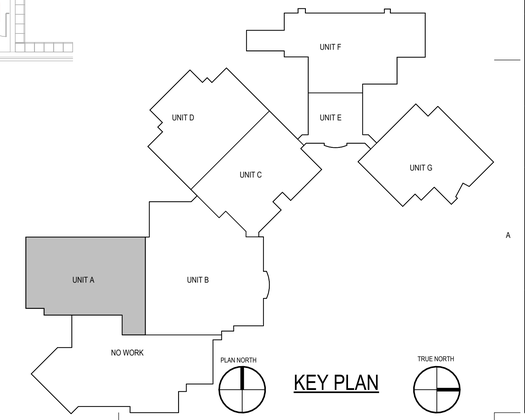
KEYED NOTES	
HEX KEY	DESCRIPTION
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
AE	REMOVE EXISITING CONTROLS FROM EXISTING FAN. SEE NEW WORK PLAN.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.
C	REMOVE EXISTING VAV BOX, BRANCH DUCTWORK, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
H	REMOVE EXISTING SIDEWALL TRANSFER GRILLE. SEE ARCHITECTURAL PLANS FOR WALL INFILL REQUIREMENTS.



1 H1.1A FIRST FLOOR DEMOLITION PLAN - UNIT A

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



KEY PLAN

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

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Project Number:
3705

Sheet Title:
UNIT A - FIRST FLOOR DEMOLITION PLAN

Sheet Number:
H1.1A

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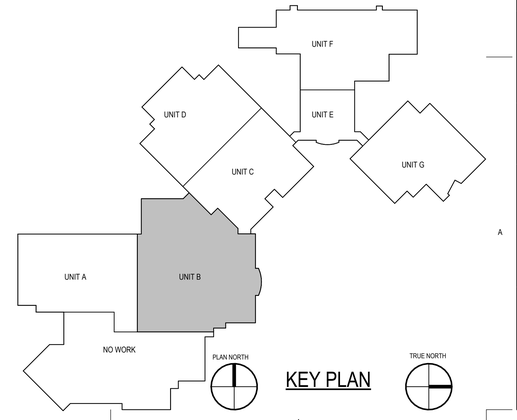
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

KEYED NOTES	
HEX KEY	**DESCRIPTION**
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
AE	REMOVE EXISITING CONTROLS FROM EXISTING FAN. SEE NEW WORK PLAN.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.
C	REMOVE EXISTING VAV BOX, BRANCH DUCTWORK, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
D	REMOVE EXISTING RELIEF HOOD AND ASSOCIATED DUCTWORK. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
E	REMOVE EXISTING CEILING EXHAUSTER, ASSOCIATED DUCTWORK AND ROOFCAP. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
F	REMOVE EXISTING DISHWASHER EXHAUST HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
G	REMOVE EXISTING KITCHEN EXHAUST HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
H	REMOVE EXISTING SIDEWALL TRANSFER GRILLE. SEE ARCHITECTURAL PLANS FOR WALL INFILL REQUIREMENTS.
K	REMOVE EXISTING PIPING TO POINT INDICATED.

1 H1.1B FIRST FLOOR DEMOLITION PLAN - UNIT B

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT B - FIRST FLOOR DEMOLITION PLAN

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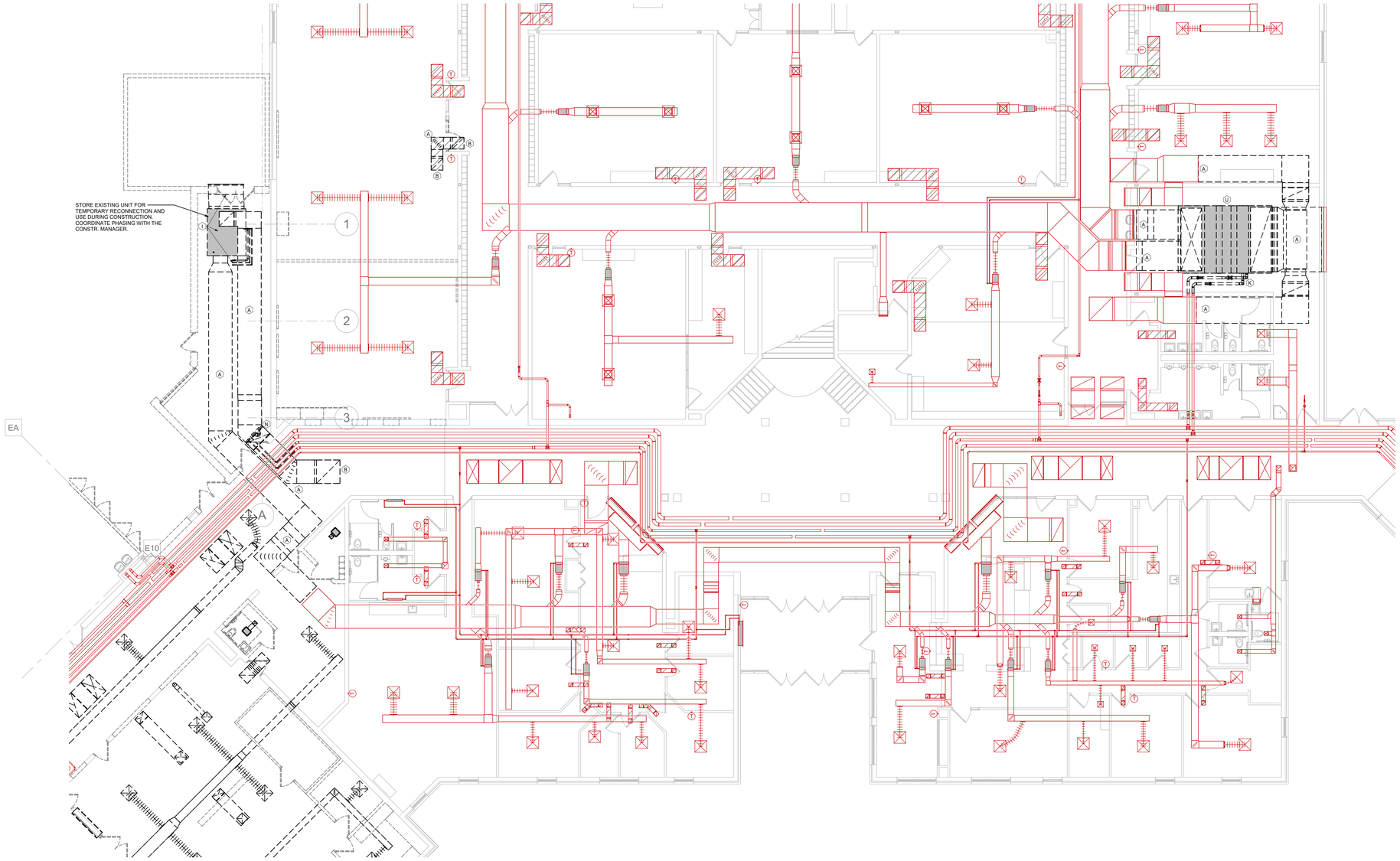
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

KEYED NOTES	
HEX KEY	**DESCRIPTION**
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.
I	REMOVE EXISTING AIR HANDLING UNIT, DX COOLING COIL, REFRIGERANT PIPING, ROOF MOUNTED CONDENSING UNIT, WEATHERPROOF LOUVER, SUPPLY DUCTWORK TO POINT INDICATED, AND PNEUMATIC CONTROL COMPONENTS.
K	REMOVE EXISTING PIPING TO POINT INDICATED.
N	REMOVE EXISTING UNIT HEATER, BRANCH PIPING, THERMOSTAT AND CONTROL. CAP PIPING AT MAINS.
U	REMOVE EXISTING AIR HANDLING UNIT, DUCTWORK AS INDICATED, DAMPERS, BRANCH PIPING, AND CONTROL. WEATHERPROOF LOUVER TO REMAIN. CAP PIPING AT MAINS.

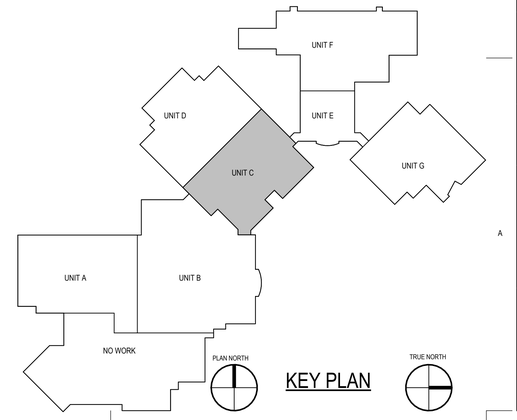
STORE EXISTING UNIT FOR TEMPORARY RECONNECTION AND USE DURING CONSTRUCTION. COORDINATE PHASING WITH THE CONSTR. MANAGER.



1 H1.1C FIRST FLOOR DEMOLITION PLAN - UNIT C

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT C - FIRST FLOOR DEMOLITION PLAN

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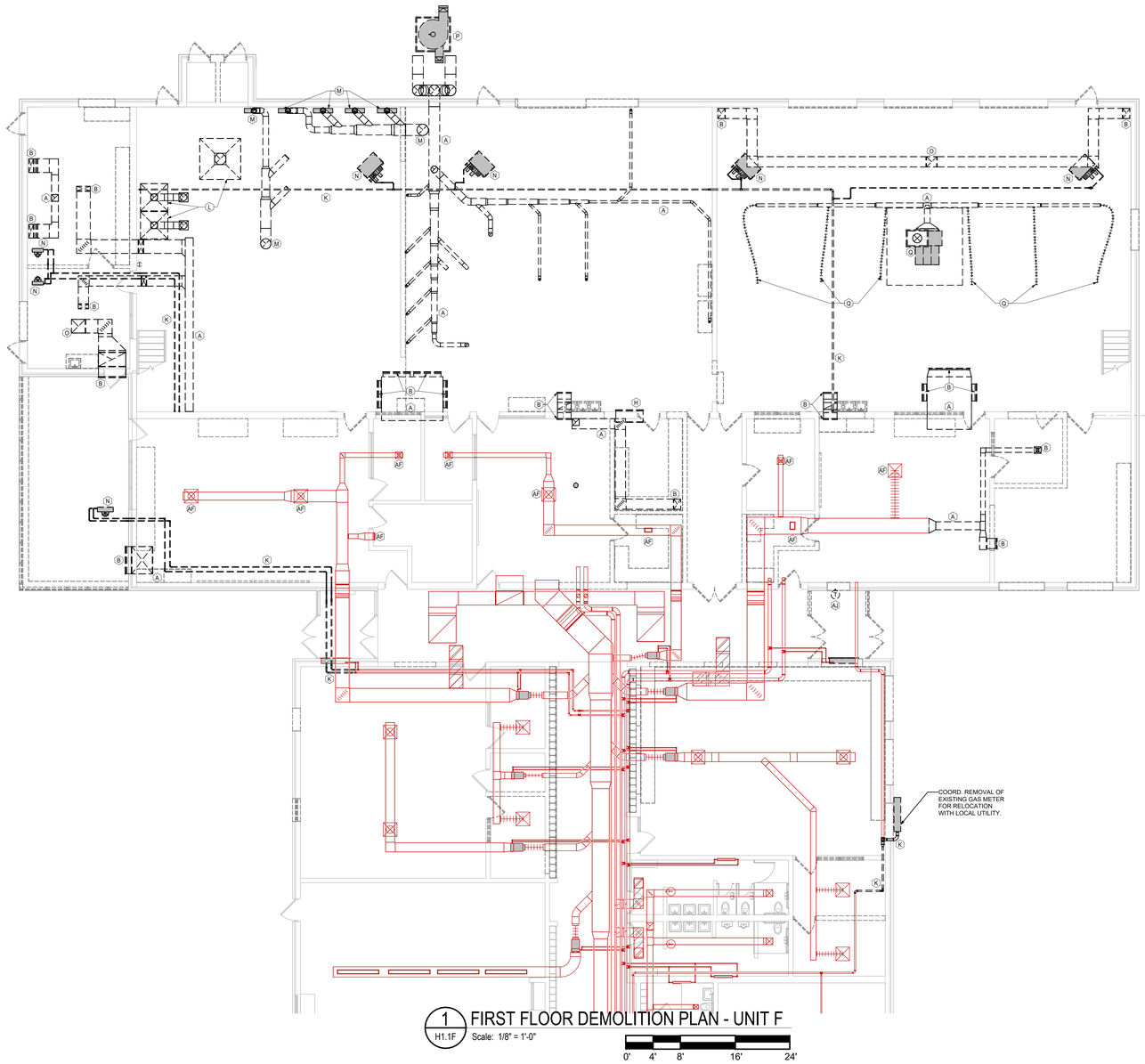
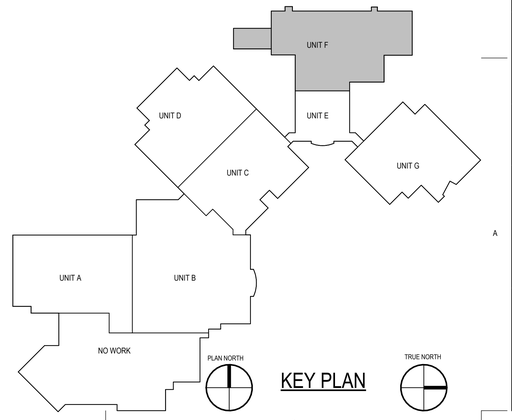
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

KEYED NOTES	
HEX KEY	**DESCRIPTION**
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
AF	REMOVE EXISTING GRILLE/DIFFUSER. STORE FOR REINSTALLATION IN NEW CEILING GRID.
AJ	REMOVE EXISTING THERMOSTAT AND STORE FOR REINSTALLATION
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.
H	REMOVE EXISTING SIDEWALL TRANSFER GRILLE. SEE ARCHITECTURAL PLANS FOR WALL INFILL REQUIREMENTS.
K	REMOVE EXISTING PIPING TO POINT INDICATED.
L	REMOVE EXISTING CANOPY HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
M	REMOVE EXISTING SLOT HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
N	REMOVE EXISTING UNIT HEATER, BRANCH PIPING, THERMOSTAT AND CONTROL. CAP PIPING AT MAINS.
O	REMOVE EXISTING ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
P	REMOVE EXISTING DUST COLLECTOR, ASSOCIATED DUCTWORK AND CONTROL COMPONENTS.
Q	REMOVE EXISTING FLEXIBLE EXHAUST TUBES, EXHAUST FAN, ASSOCIATED DUCTWORK AND ROOFCAP. PATCH ROOF OPENING TO MATCH EXISTING CONSTRUCTION.



1 H1.1F FIRST FLOOR DEMOLITION PLAN - UNIT F
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT F - FIRST FLOOR DEMOLITION PLAN

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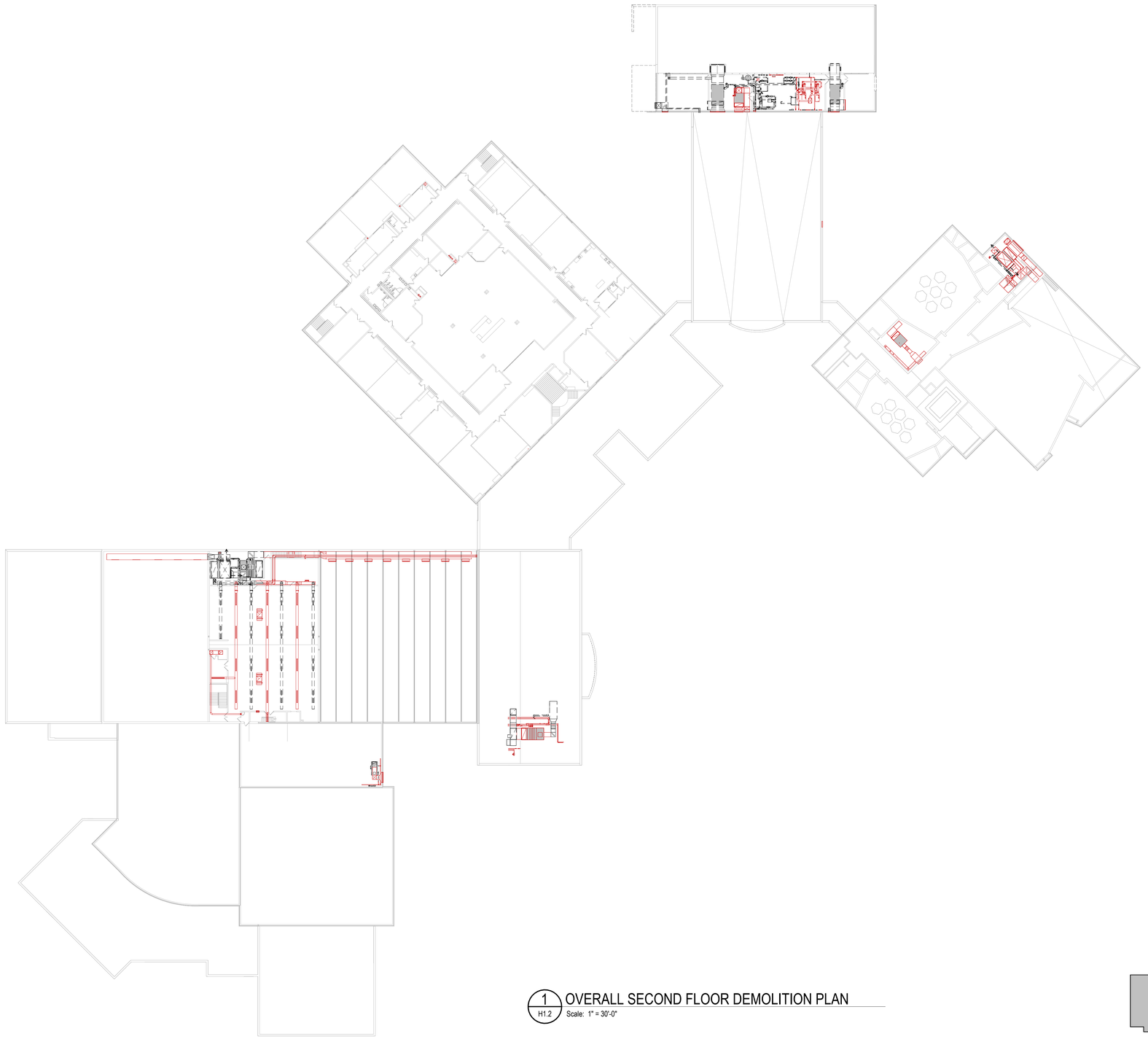
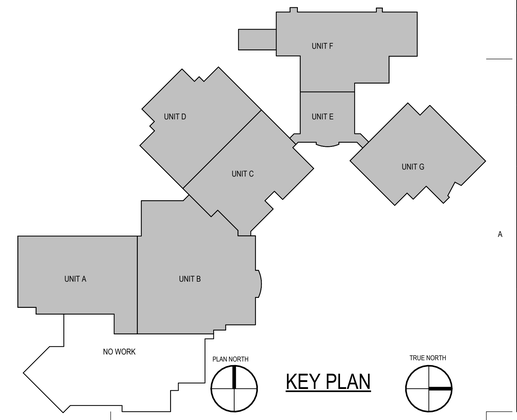
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

KEYED NOTES	
HEX KEY	DESCRIPTION



1 H1.2 OVERALL SECOND FLOOR DEMOLITION PLAN

Scale: 1" = 30'-0"



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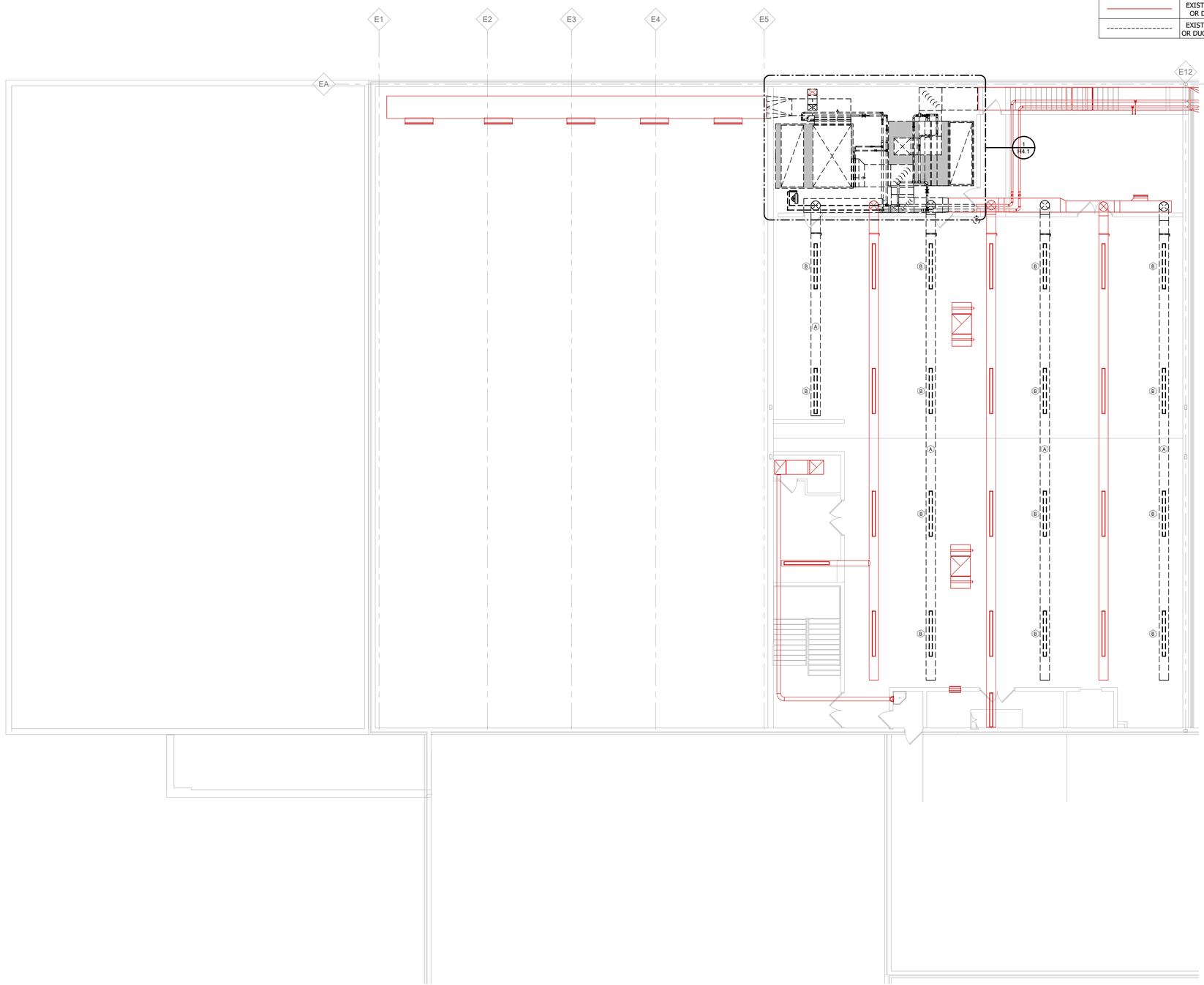
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

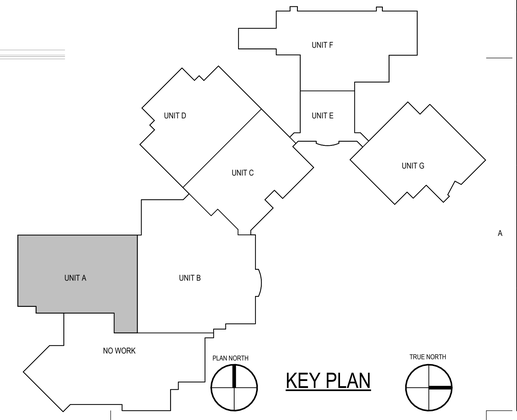
KEYED NOTES	
HEX KEY	**DESCRIPTION**
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.



1 H1.2A SECOND FLOOR DEMOLITION PLAN - UNIT A

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT A - SECOND FLOOR DEMOLITION PLAN

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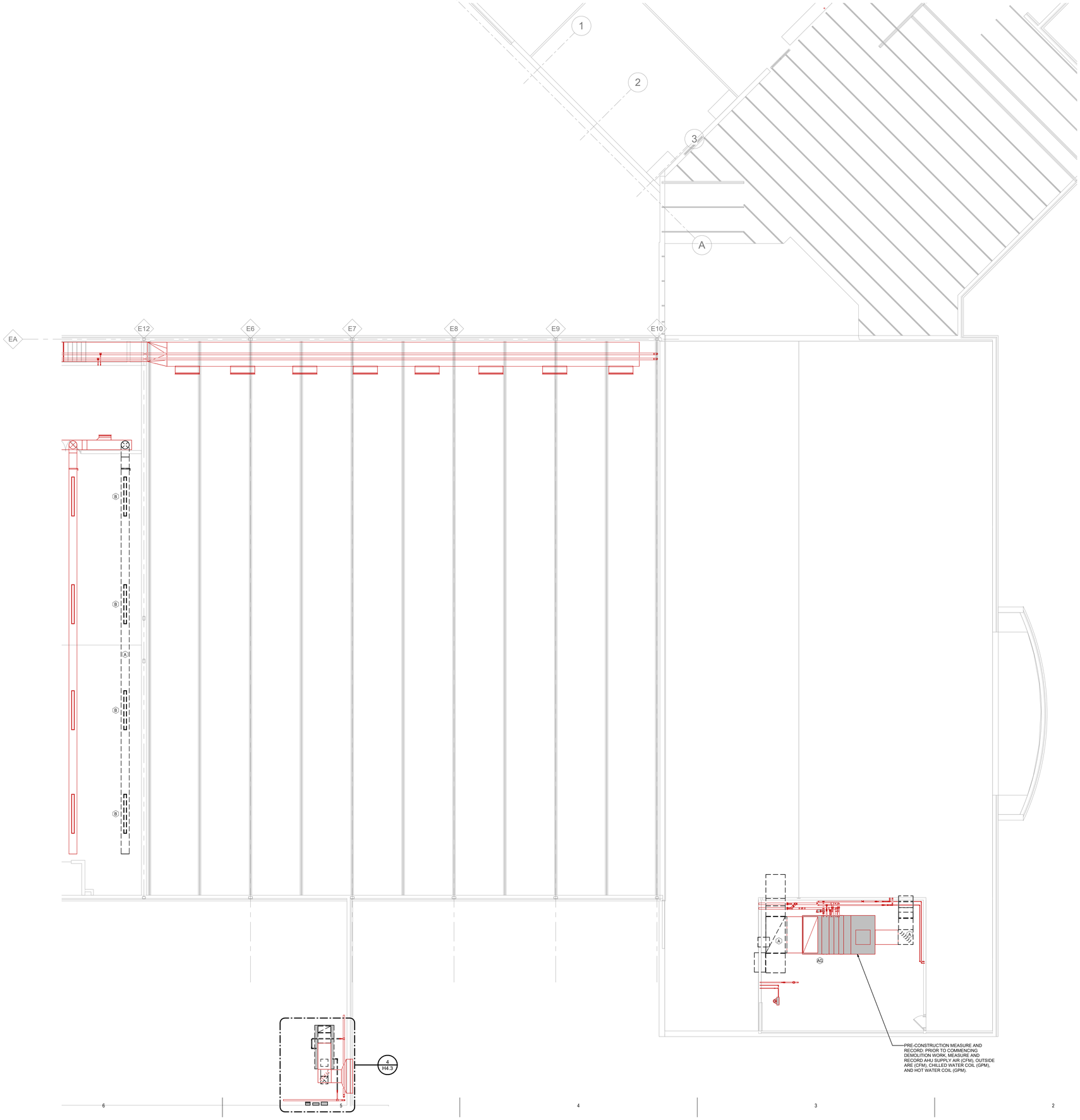
DEMOLITION SYMBOL	DESCRIPTION
————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

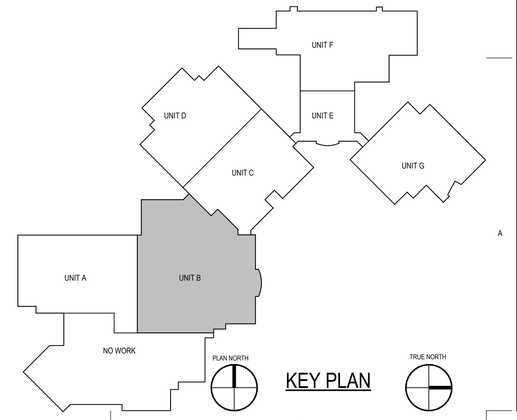
KEYED NOTES	
HEX KEY	**DESCRIPTION**
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
AG	REMOVE EXISITNG CONTROLS FROM AHU. SEE NEW WORK PLAN.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.



1 H1.2B SECOND FLOOR DEMOLITION PLAN - UNIT B

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT B - SECOND FLOOR DEMOLITION PLAN

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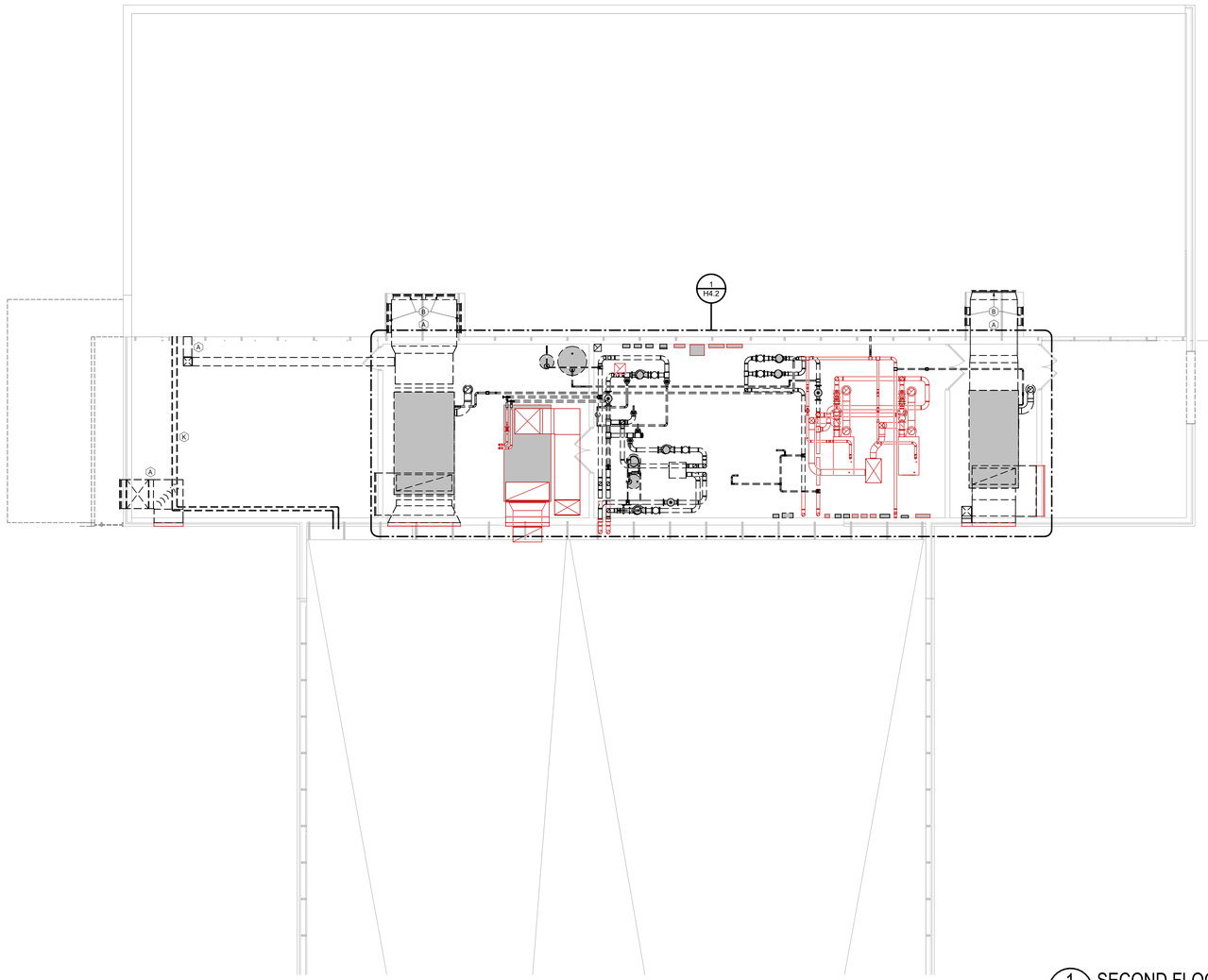
DEMOLITION SYMBOL	DESCRIPTION
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

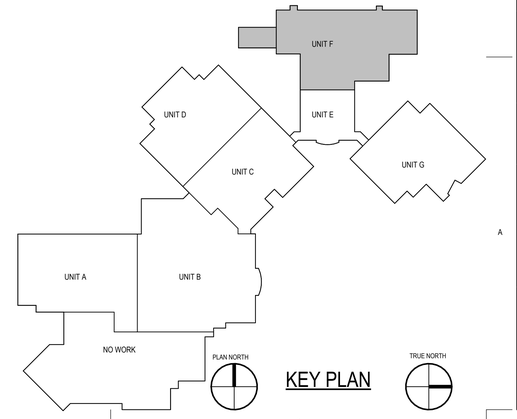
KEYED NOTES	
HEX KEY	**DESCRIPTION**
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.
K	REMOVE EXISTING PIPING TO POINT INDICATED.



1 H1.2F SECOND FLOOR DEMOLITION PLAN - UNIT F

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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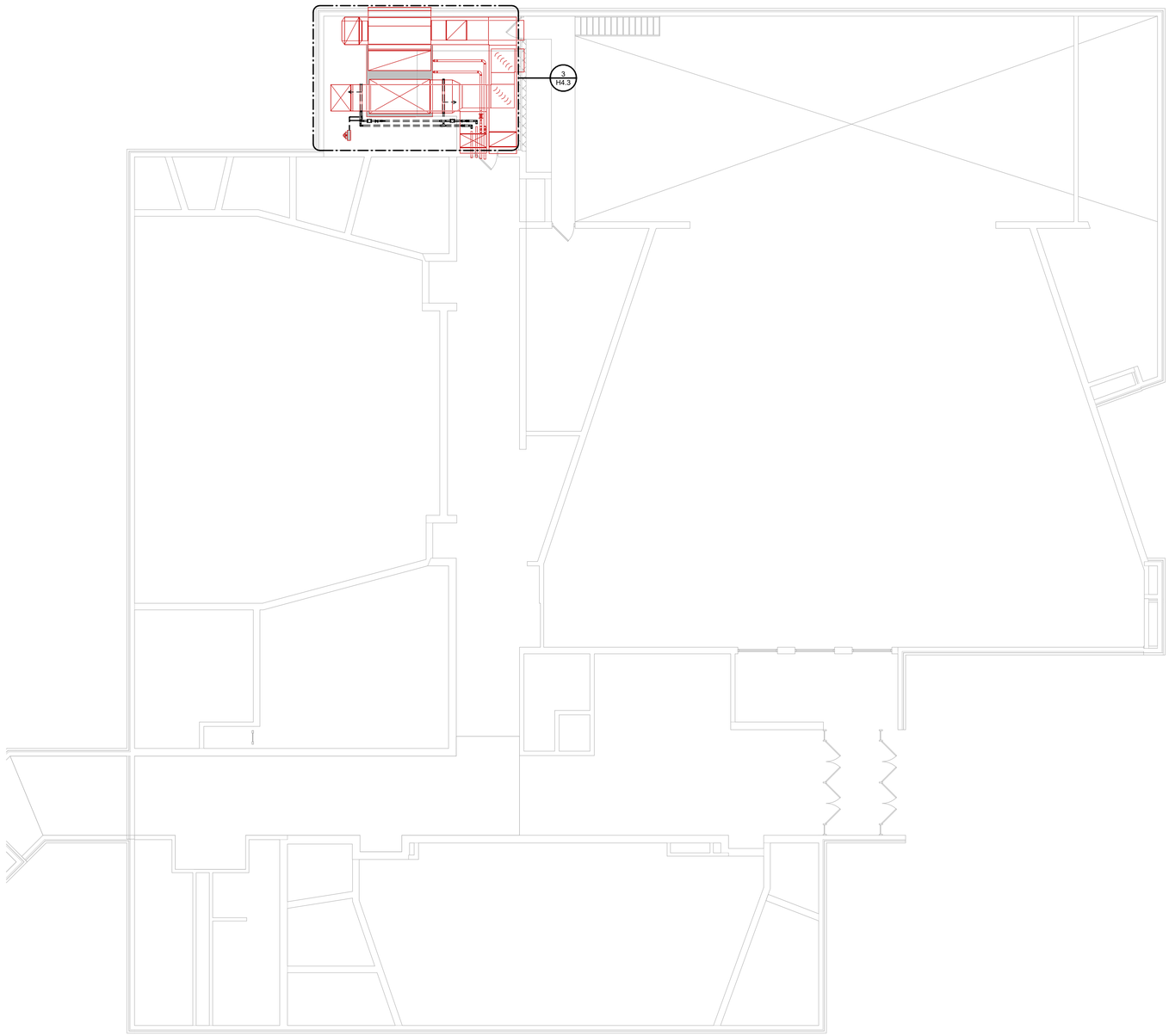
KEYED NOTES	
HEX KEY	DESCRIPTION



1 H1.2G SECOND FLOOR DEMOLITION PLAN I UNIT G

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

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UNIT G - SECOND FLOOR DEMOLITION PLAN

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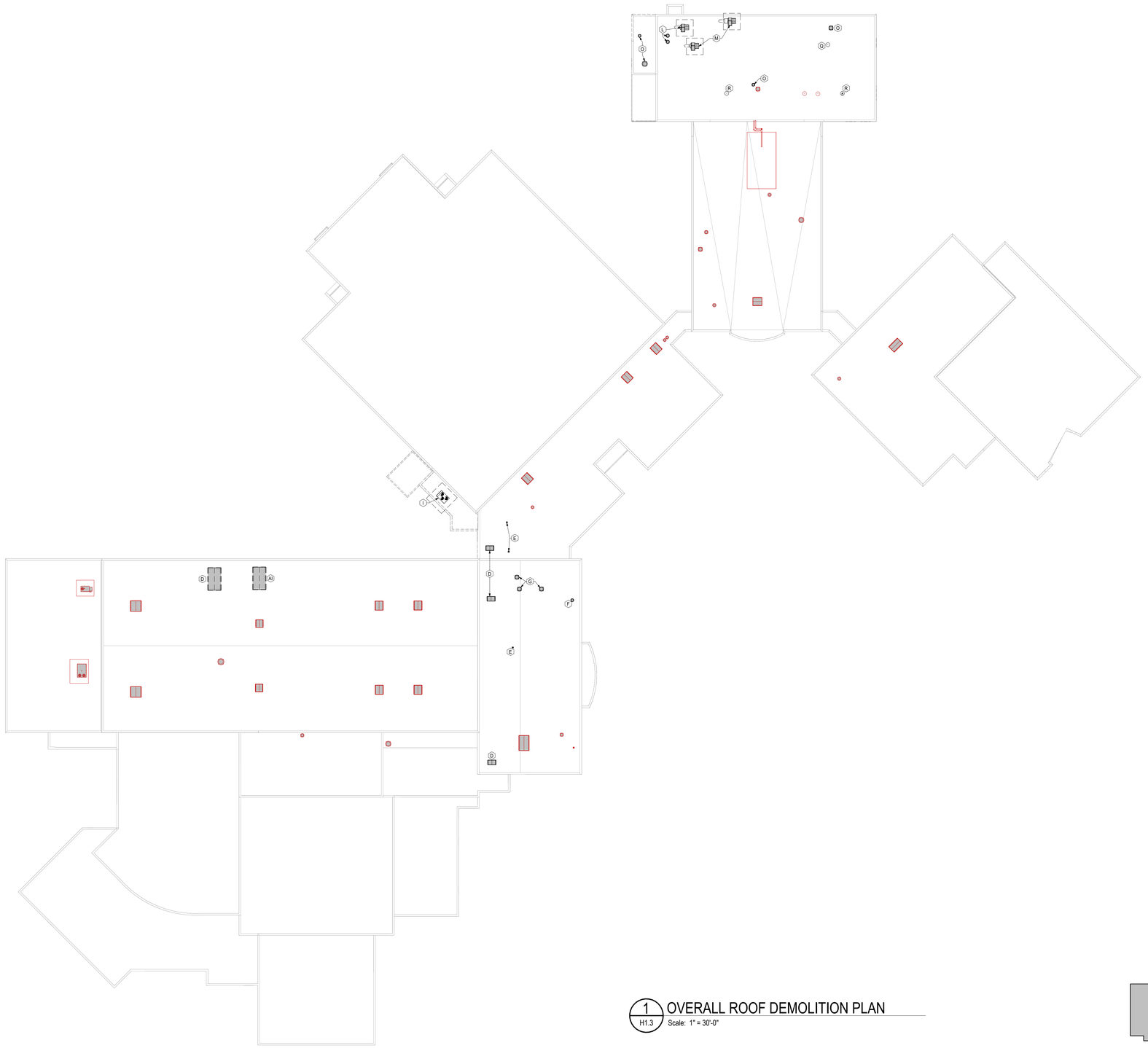
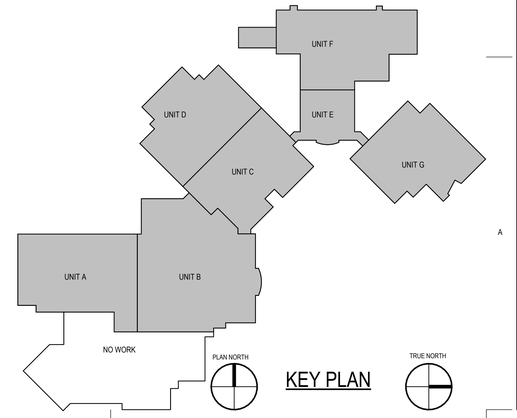
———	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
- - - - - - - - - - - - - - - -	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

KEYED NOTES	
HEX KEY	**DESCRIPTION**
AI	REMOVE EXISTING WEATHERPROOF HOOD AND ROOF CURB. PATCHING OF ROOF BY OTHERS. SEE ARCH. PLANS.
D	REMOVE EXISTING RELIEF HOOD AND ASSOCIATED DUCTWORK. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
E	REMOVE EXISTING CEILING EXHAUSTER, ASSOCIATED DUCTWORK AND ROOFCAP. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
F	REMOVE EXISTING DISHWASHER EXHAUST HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
G	REMOVE EXISTING KITCHEN EXHAUST HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
I	REMOVE EXISTING AIR HANDLING UNIT, DX COOLING COIL, REFRIGERANT PIPING, ROOF MOUNTED CONDENSING UNIT, WEATHERPROOF LOUVER, SUPPLY DUCTWORK TO POINT INDICATED, AND PNEUMATIC CONTROL COMPONENTS.
L	REMOVE EXISTING CANOPY HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
M	REMOVE EXISTING SLOT HOOD, ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
O	REMOVE EXISTING ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
Q	REMOVE EXISTING FLEXIBLE EXHAUST TUBES, EXHAUST FAN, ASSOCIATED DUCTWORK AND ROOFCAP. PATCH ROOF OPENING TO MATCH EXISTING CONSTRUCTION.
R	REMOVE EXISTING MAKE-UP AIR HANDLING UNIT, DUCTWORK AS INDICATED, WEATHERPROOF LOUVER, ROOFCAP, DAMPERS, BRANCH PIPING, AND CONTROL. CAP PIPING AT MAINS. PATCH ROOF OPENING TO MATCH EXISTING CONSTRUCTION.



1 H1.3 OVERALL ROOF DEMOLITION PLAN
Scale: 1" = 30'-0"



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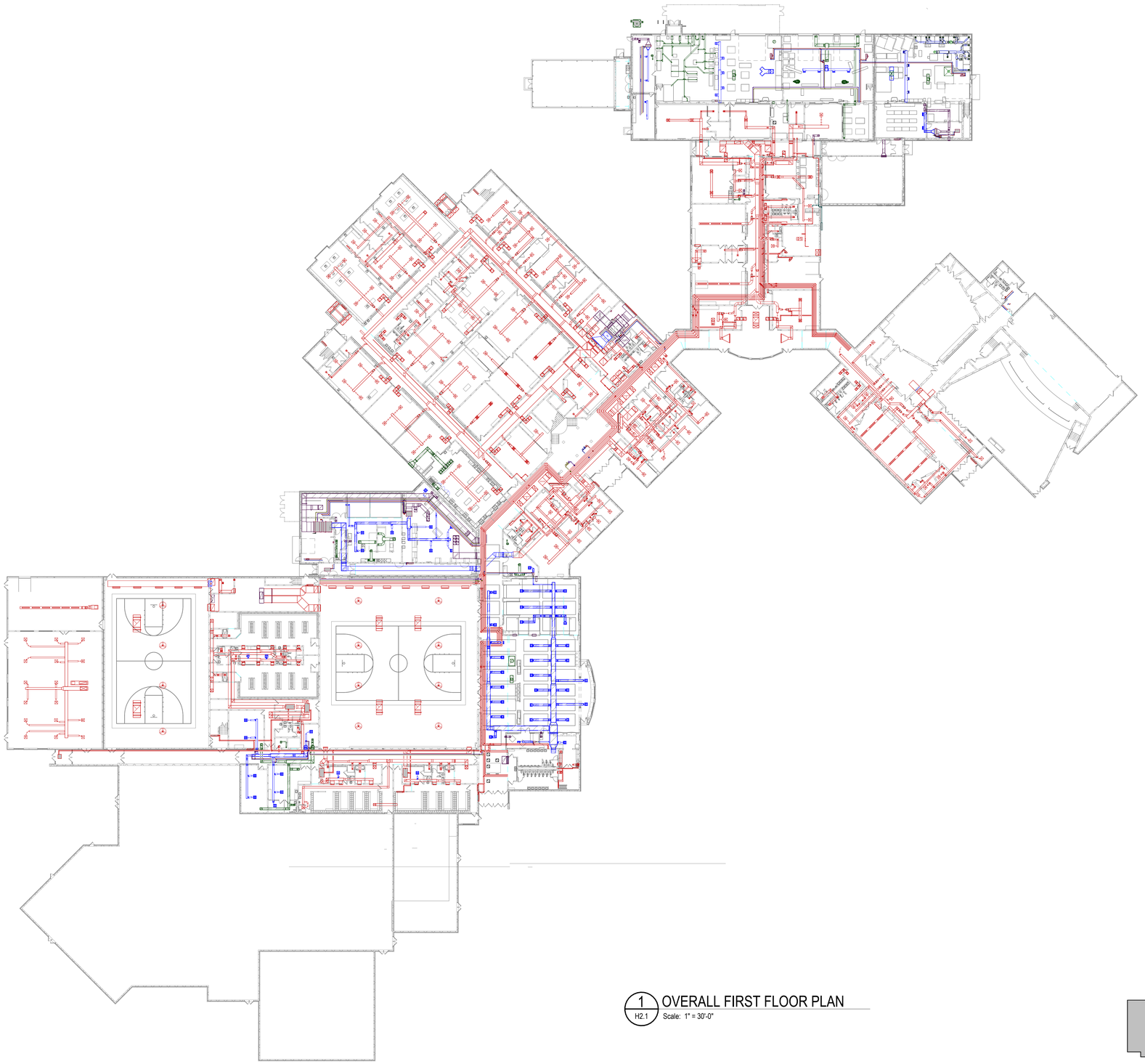
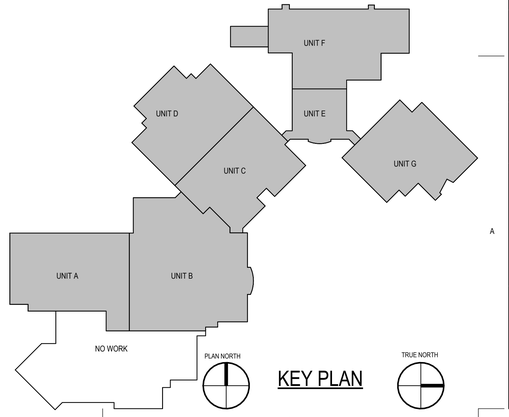
HEX KEY	DESCRIPTION



1 H2.1 OVERALL FIRST FLOOR PLAN
Scale: 1" = 30'-0"



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OVERALL FIRST FLOOR PLAN

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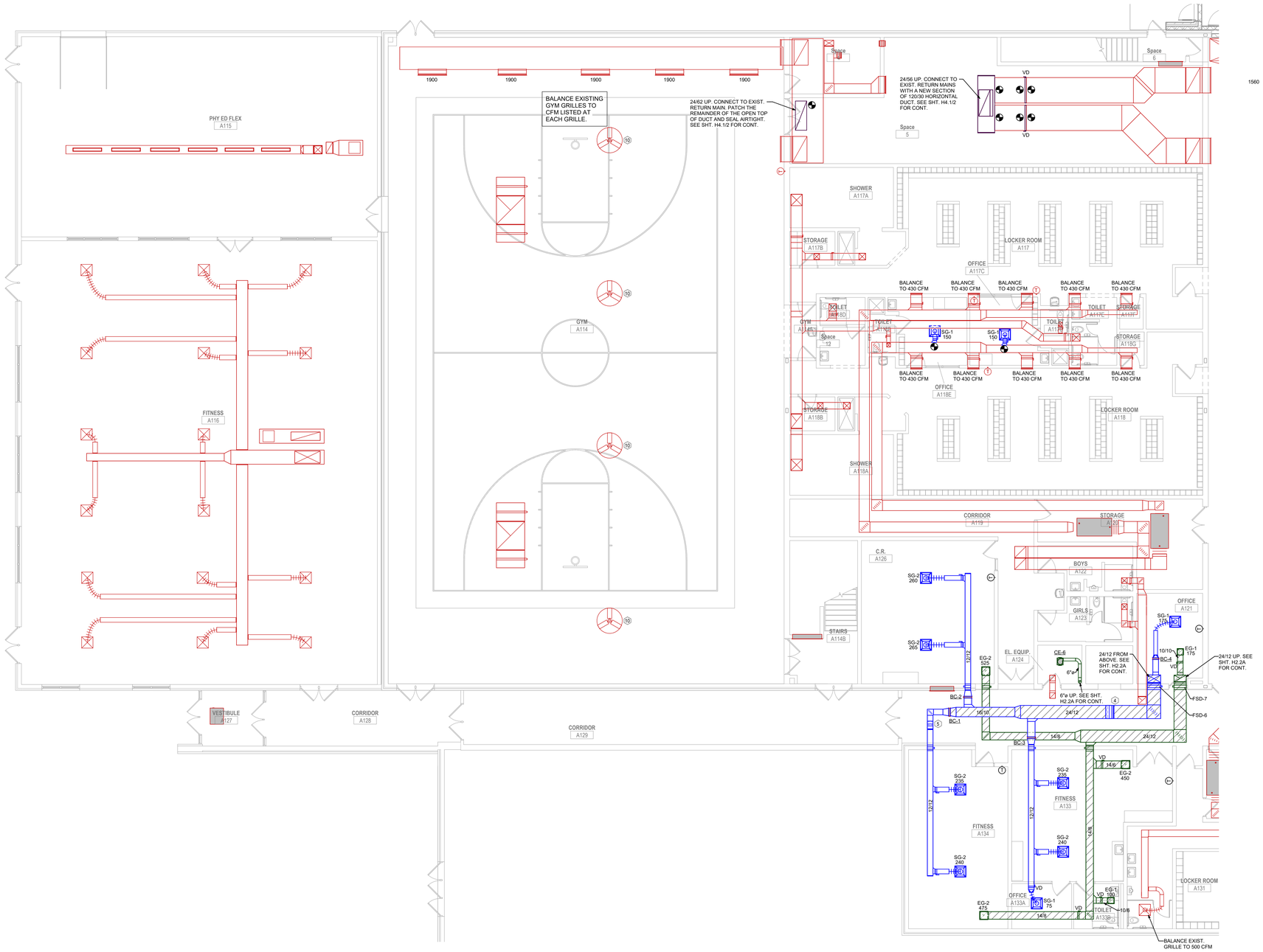
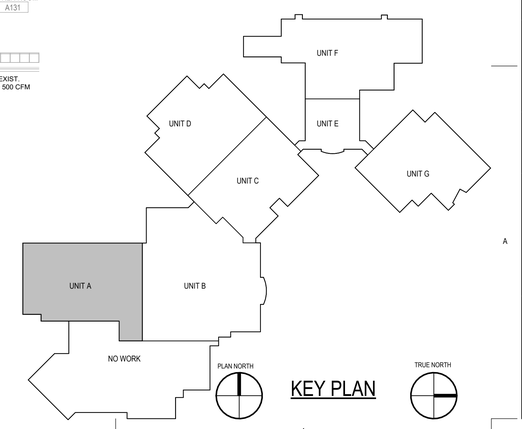
KEYED NOTES	
HEX KEY	**DESCRIPTION**
4	OFFSET UP
5	OFFSET DOWN
10	INSTALL NEW DDC CONTROLS ON EXISITNG FAN. SEE CONTROL SEQUENCES.



1 H2.1A **FIRST FLOOR DUCTWORK PLAN - UNIT A**

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT A - FIRST FLOOR DUCTWORK PLAN

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H2.1A

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KEYED NOTES	
HEX KEY	**DESCRIPTION**
1	OPEN END TRANSFER DUCT ABOVE CEILING.
4	OFFSET UP
5	OFFSET DOWN
10	INSTALL NEW DDC CONTROLS ON EXISITNG FAN. SEE CONTROL SEQUENCES.

BALANCE EXISTING GYM GRILLES TO CFM LISTED AT EACH GRILLE.

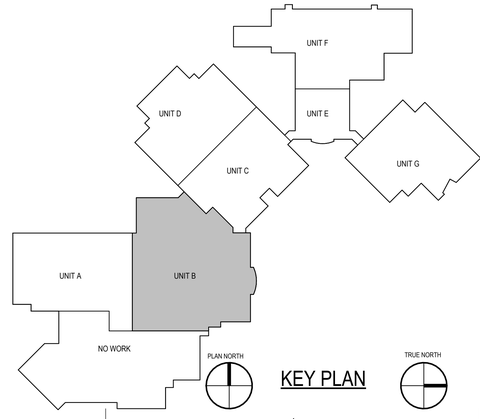
BALANCE ALL EXISTING GRILLES/DIFFUSERS IN LOCKER AREA BELOW TO CFM LISTED AT EACH GRILLE/DIFFUSER.

1 FIRST FLOOR DUCTWORK PLAN - UNIT B

H2.1B

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT B - FIRST FLOOR DUCTWORK PLAN

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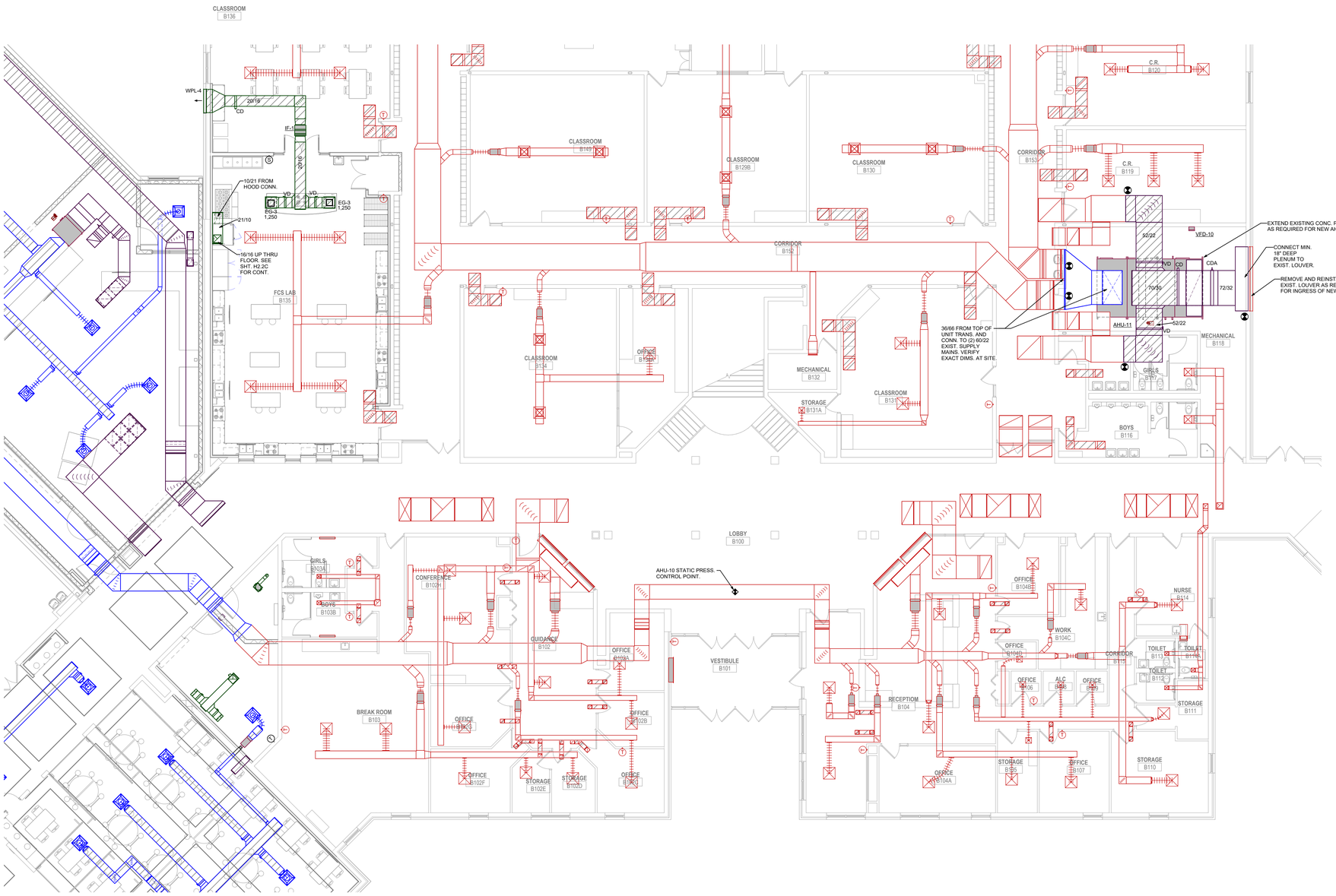
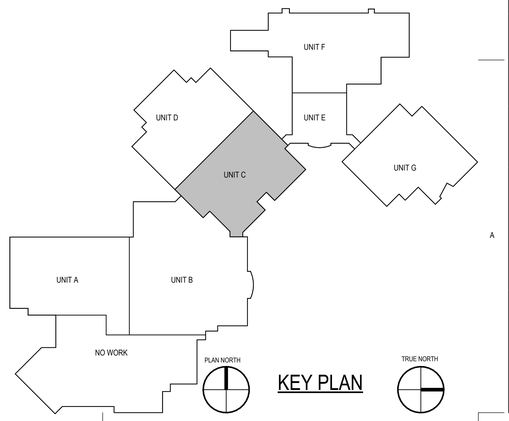
KEYED NOTES	
HEX KEY	DESCRIPTION



1 H2.1C **FIRST FLOOR DUCTWORK PLAN - UNIT C**

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT C - FIRST FLOOR DUCTWORK PLAN

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KEYED NOTES	
HEX KEY	**DESCRIPTION**
1	OPEN END TRANSFER DUCT ABOVE CEILING.
4	OFFSET UP
5	OFFSET DOWN
6	4"Ø FROM WOOD WORKING EQUIPMENT. INSTALL BLAST GATE APPROXIMATELY 4'-0" ABOVE FINISHED FLOOR. SUPPORT DUCT FROM WALL OR ROOF STRUCTURE. FINAL CONNECTION TO EQUIPMENT BY MECHANICAL CONTRACTOR. 350 CFM.
7	5"Ø FROM WOOD WORKING EQUIPMENT. INSTALL BLAST GATE APPROXIMATELY 4'-0" ABOVE FINISHED FLOOR. SUPPORT DUCT FROM WALL OR ROOF STRUCTURE. FINAL CONNECTION TO EQUIPMENT BY MECHANICAL CONTRACTOR. 550 CFM.
8	6"Ø FROM FLOOR SWEEP. SUPPORT FROM WALL. SEE DETAIL.
9	8"Ø FROM WELDING ARM. BALANCE TO 700 CFM. SEE DETAIL. COORDINATE EXACT LOCATION IN WELDING BOOTH WITH THE OWNER.
15	COORDINATE THERMOSTAT LOCATION WITH CASE WORK.
17	EXTEND 4" HIGH PRESSURE FLEX TO CONNECT AT CNC MACHINE. PROVIDE ADEQUATE AMOUNT OF FLEX DUCT TO ALLOW FOR FULL MOTION OF THE CNC. VERIFY REQUIREMENTS WITH OWNER 350 CFM.

1 H2.1F **FIRST FLOOR DUCTWORK PLAN - UNIT F**
Scale: 1/8" = 1'-0"
0' 4' 8' 16' 24'

2 H2.1F **FIRST FLOOR DUCTWORK PLAN - UNIT F - GREENHOUSE**
Scale: 1/8" = 1'-0"

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UNIT F - FIRST FLOOR DUCTWORK PLAN

Sheet Number:
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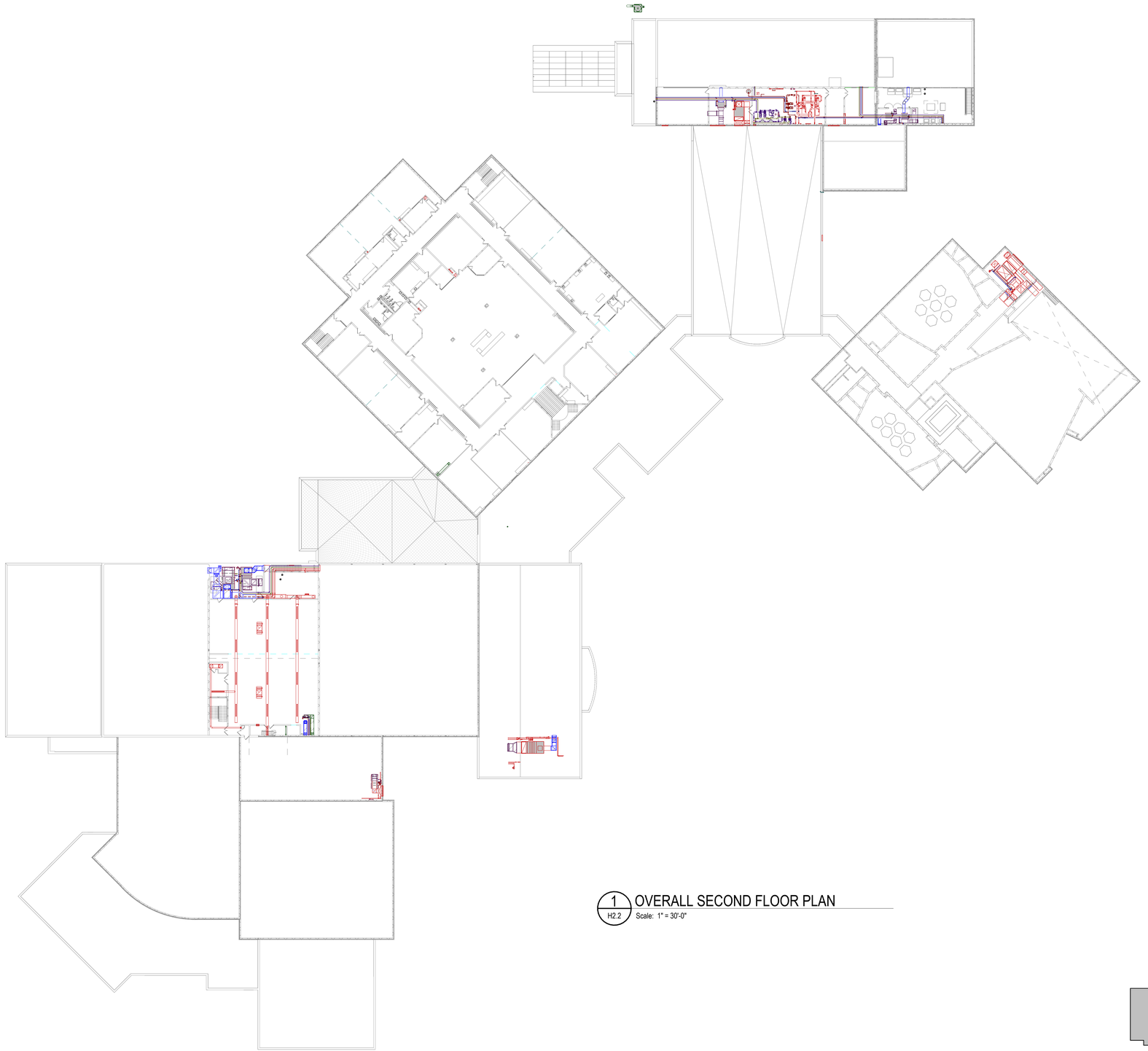
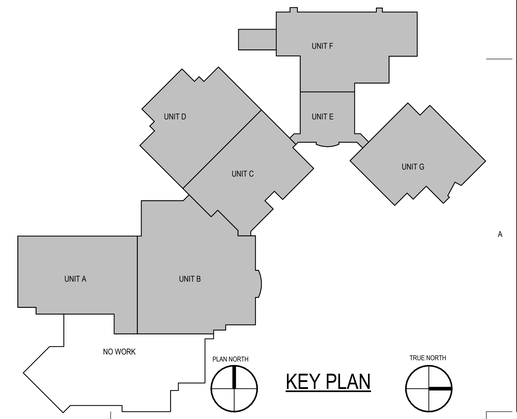


1 H2.2 OVERALL SECOND FLOOR PLAN
Scale: 1" = 30'-0"



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OVERALL SECOND FLOOR PLAN

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KEYED NOTES	
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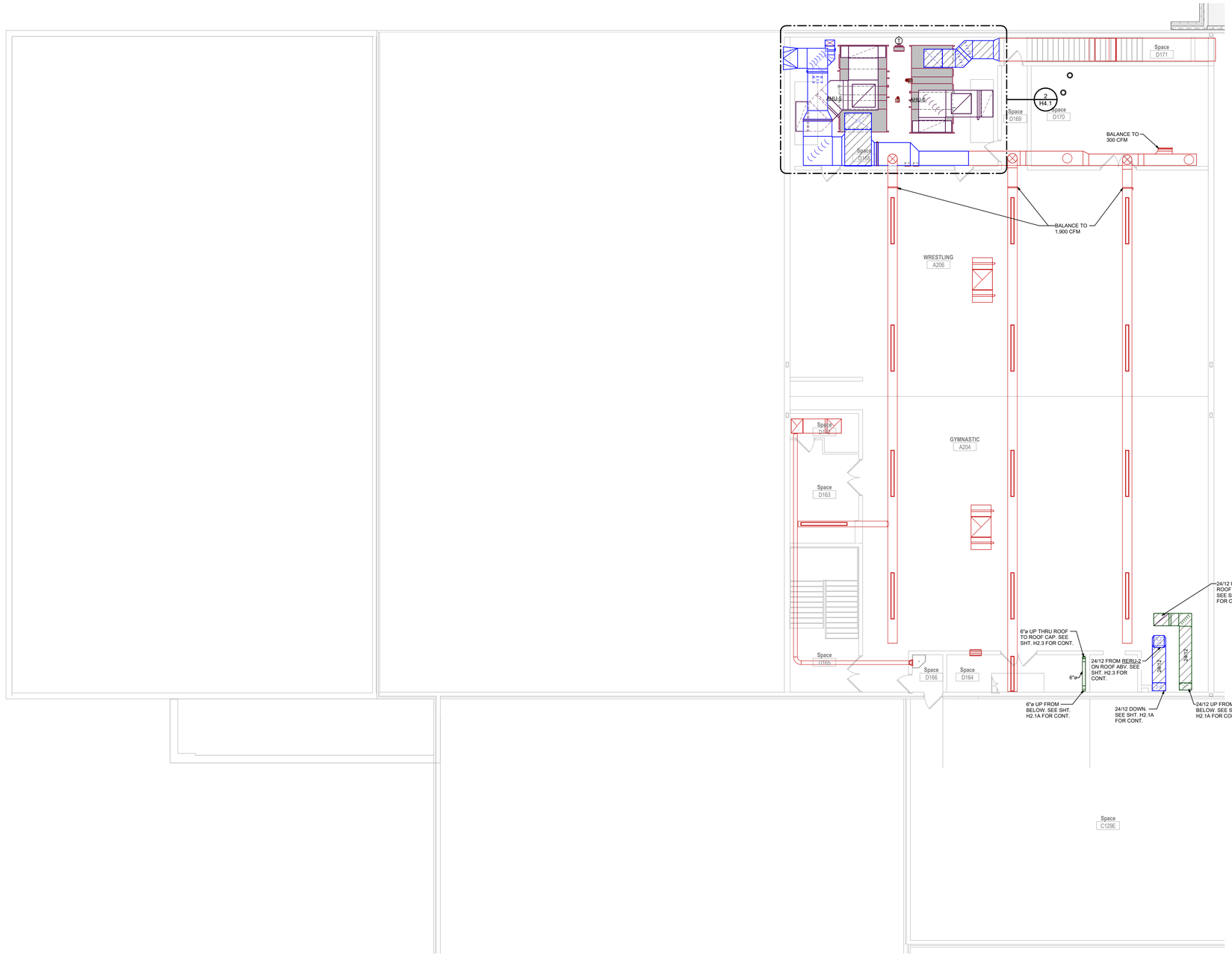
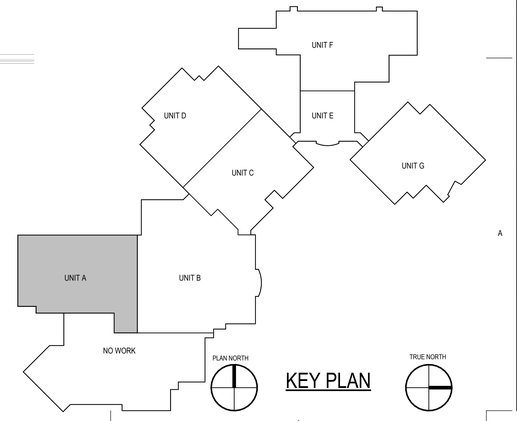


1 H2.2A SECOND FLOOR DUCTWORK PLAN - UNIT A

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT A - SECOND FLOOR DUCTWORK PLAN

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Space
D126

Space
D125

Space
D171

BALANCE TO
300 CFM

24/12 UP THRU
ROOF TO RERU-2.
SEE SHT. H2.3
FOR CONT.

24/12 FROM RERU-2
ON ROOF ABV. SEE
SHT. H2.3 FOR
CONT.

24/12 DOWN.
SEE SHT. H2.1A
FOR CONT.

24/12 UP FROM
BELOW. SEE SHT.
H2.1A FOR CONT.

Space
C129E

5
H4.3

REBALANCE EXISTING AHU
TO 13,100 TOTAL CFM,
1,340 CFM MIN. OA, 3,000
CFM MAX OA.

SEE SHT. H2.1B
FOR CONT.

XAHU-8

FSD-16

SEE SHT. H2.1B
FOR CONT.

60/54

30/25

4

11

MECHANICAL
D173

KEYED NOTES	
HEX KEY	DESCRIPTION
4	OFFSET UP
11	INSTALL NEW DDC CONTROLS ON EXISITNG UNIT. SEE CONTROL SEQUENCES.

1 H2.2B
SECOND FLOOR DUCTWORK PLAN - UNIT B
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

UNIT F
UNIT D
UNIT E
UNIT C
UNIT G
UNIT A
UNIT B
NO WORK
PLAN NORTH
TRUE NORTH

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UNIT B - SECOND FLOOR DUCTWORK PLAN

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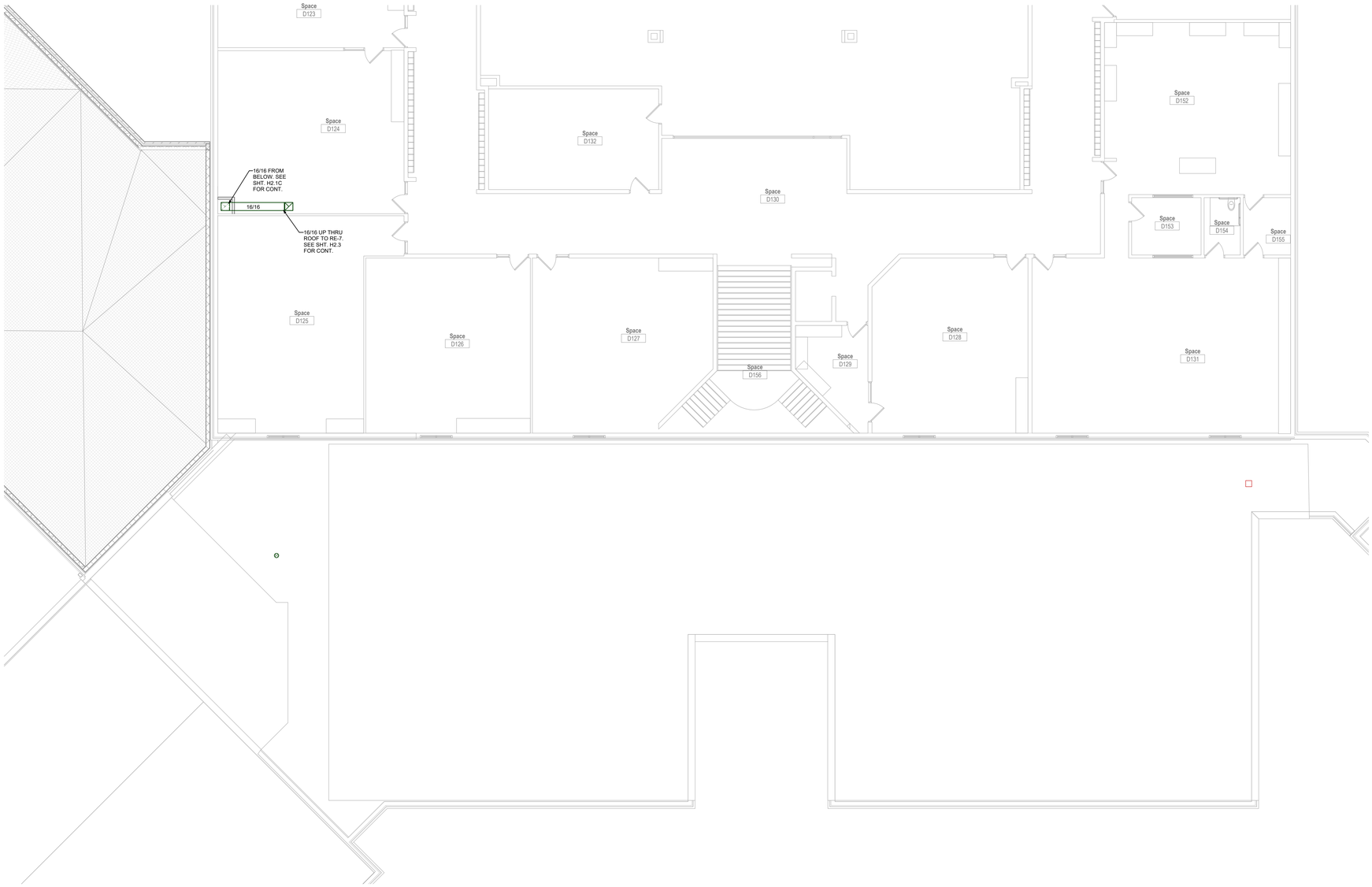
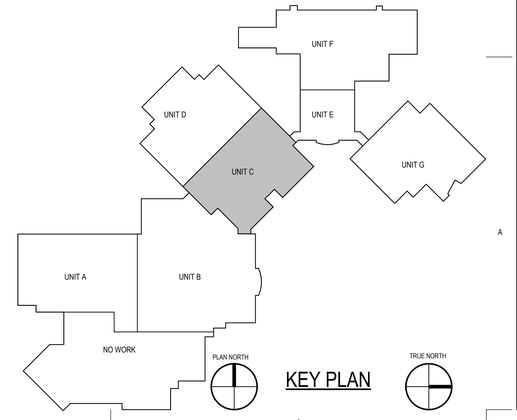


1 H2.2C SECOND FLOOR DUCTWORK PLAN - UNIT C

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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KEYED NOTES	
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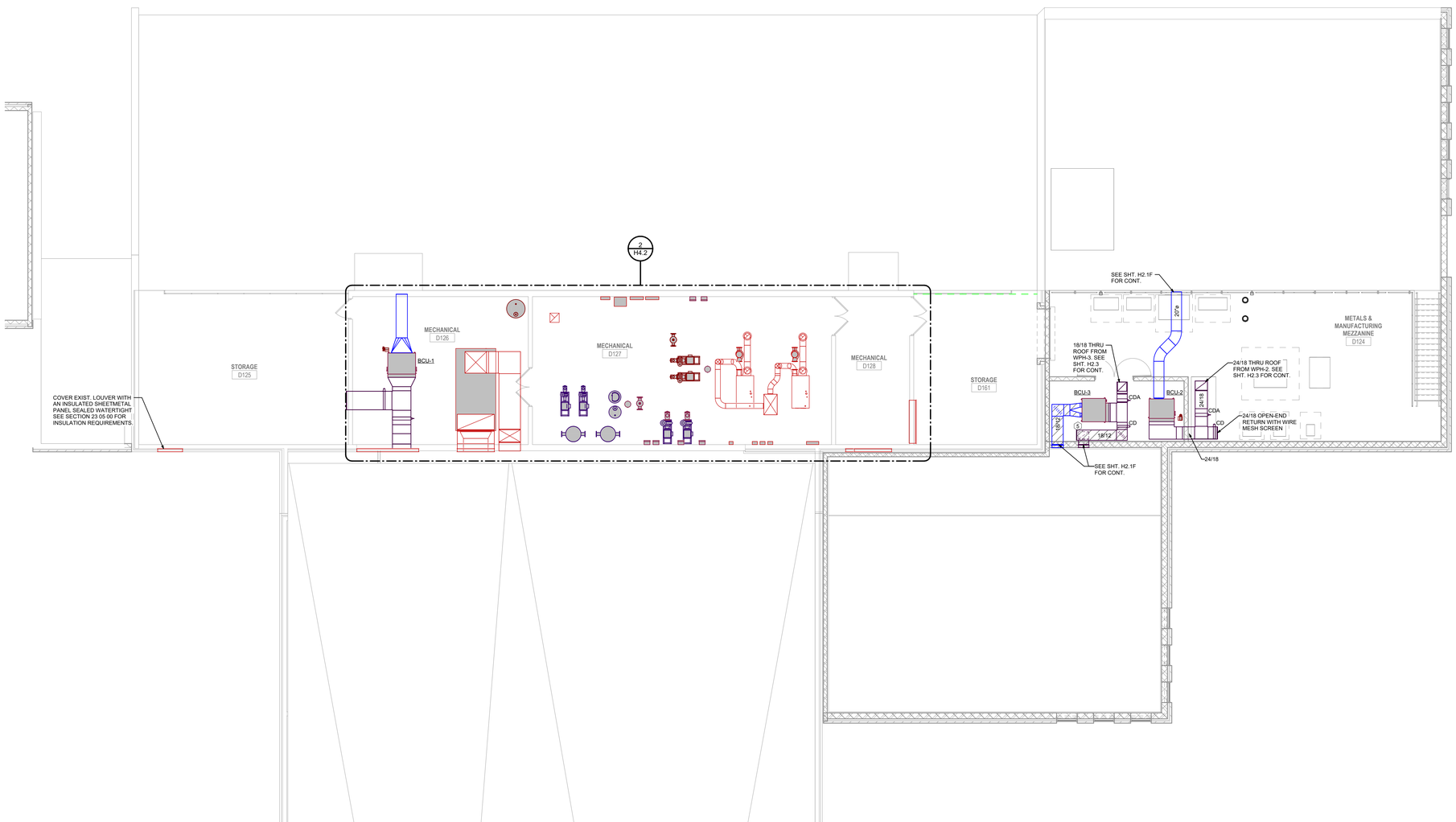
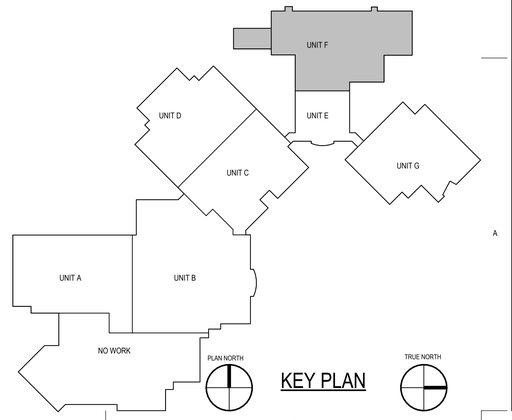


1 H2.2F SECOND FLOOR DUCTWORK PLAN - UNIT F

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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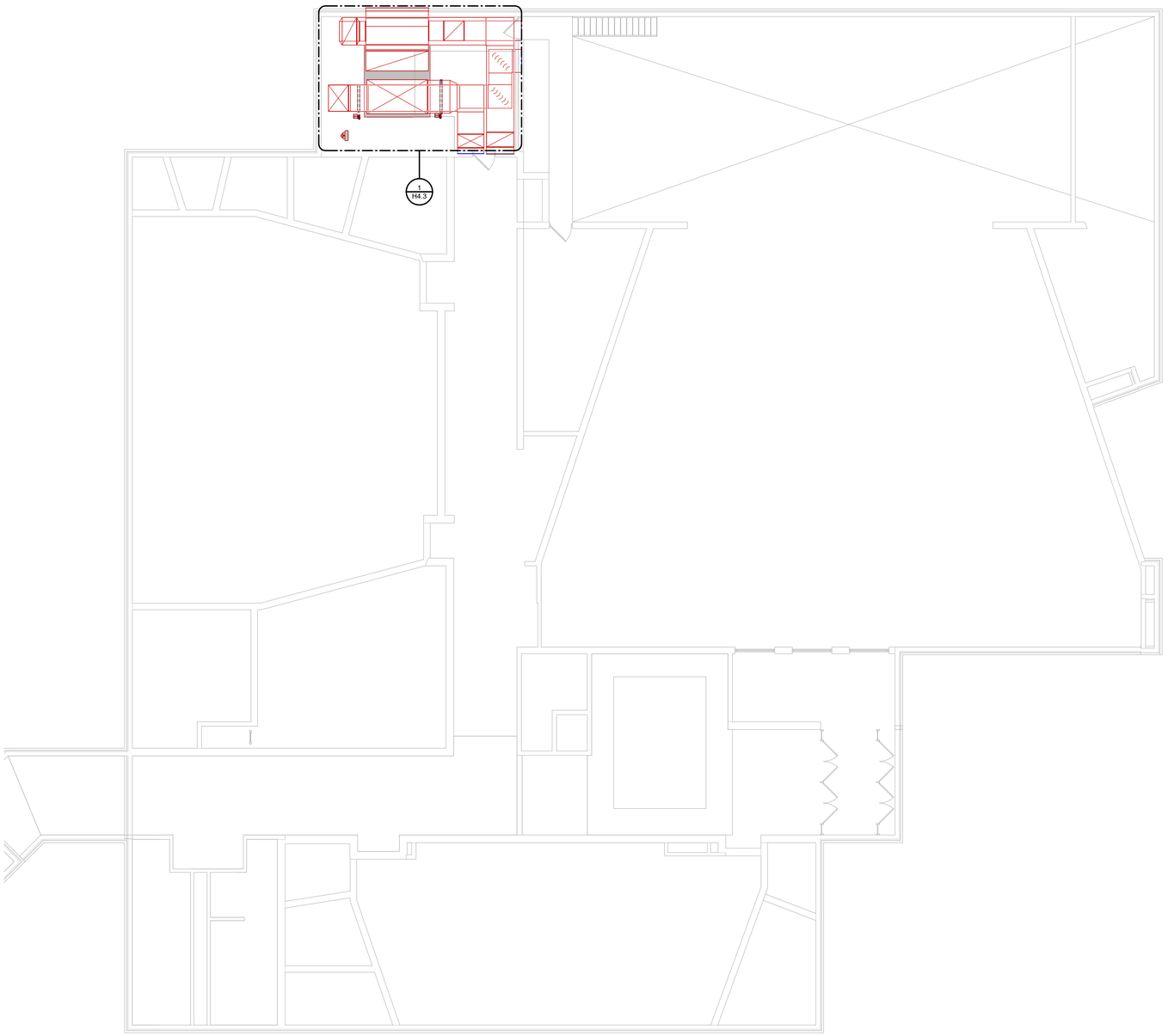
HEX KEY	DESCRIPTION



1 / H2.2G SECOND FLOOR DUCTWORK PLAN - UNIT G

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

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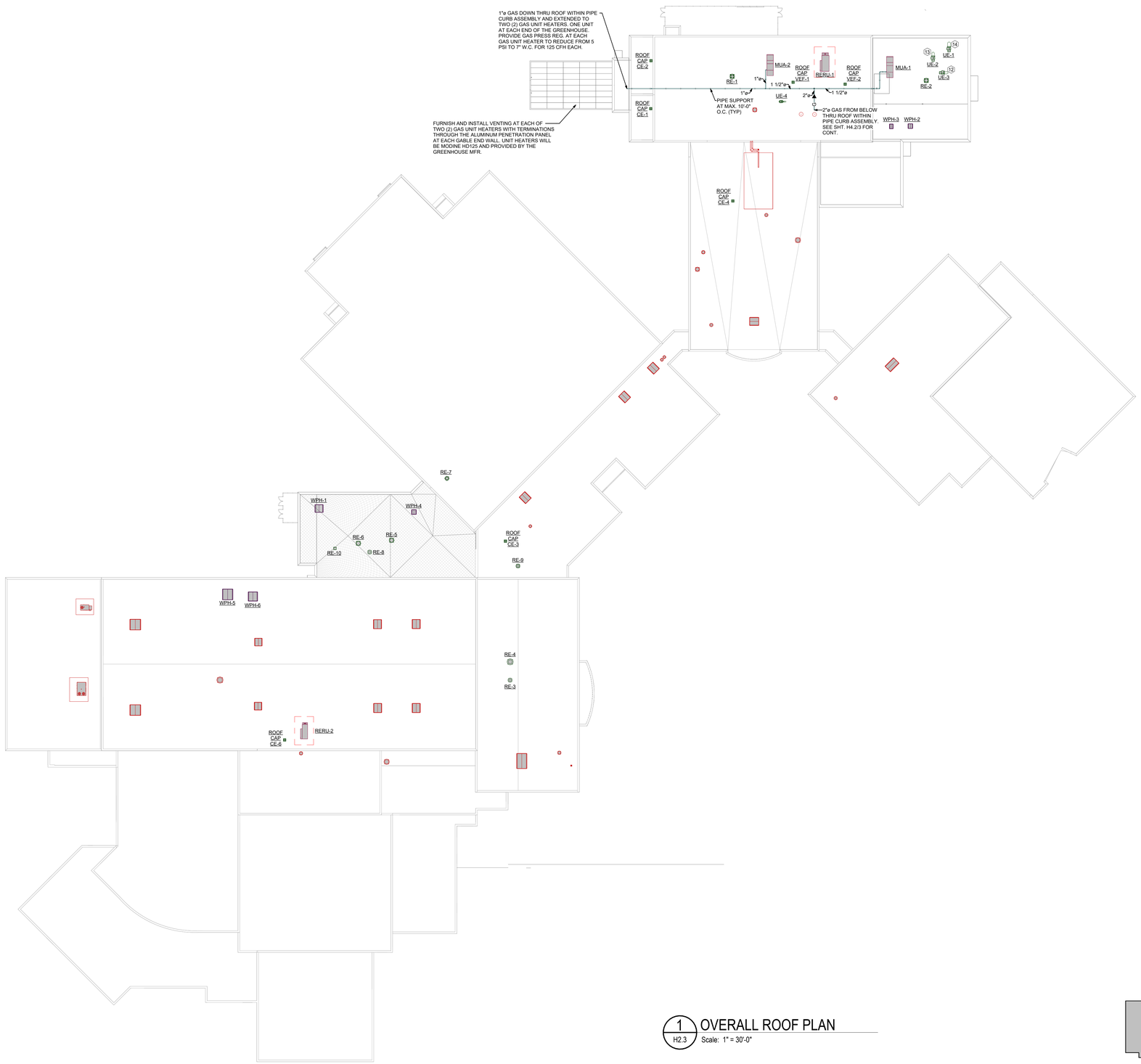
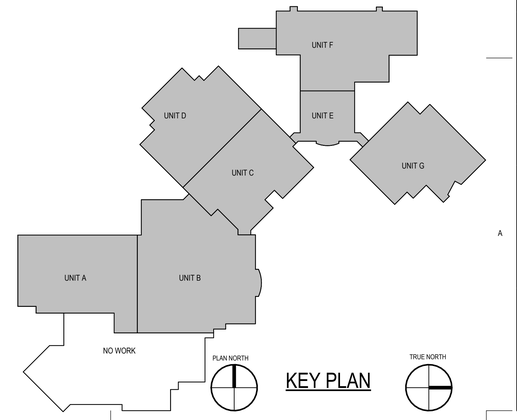
KEYED NOTES	
HEX KEY	**DESCRIPTION**
12	18"ø THRU ROOF WITHIN DUCT CURB. PROVIDE DUCT SUPPORTS AS REQUIRED. SEE SHT. H2.1F FOR CONT.
13	20"ø THRU ROOF WITHIN DUCT CURB. PROVIDE DUCT SUPPORTS AS REQUIRED. SEE SHT. H2.1F FOR CONT.
14	24"ø THRU ROOF WITHIN DUCT CURB. PROVIDE DUCT SUPPORTS AS REQUIRED. SEE SHT. H2.1F FOR CONT.



1 H2.3 OVERALL ROOF PLAN
Scale: 1" = 30'-0"



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OVERALL ROOF PLAN

Sheet Number:
H2.3

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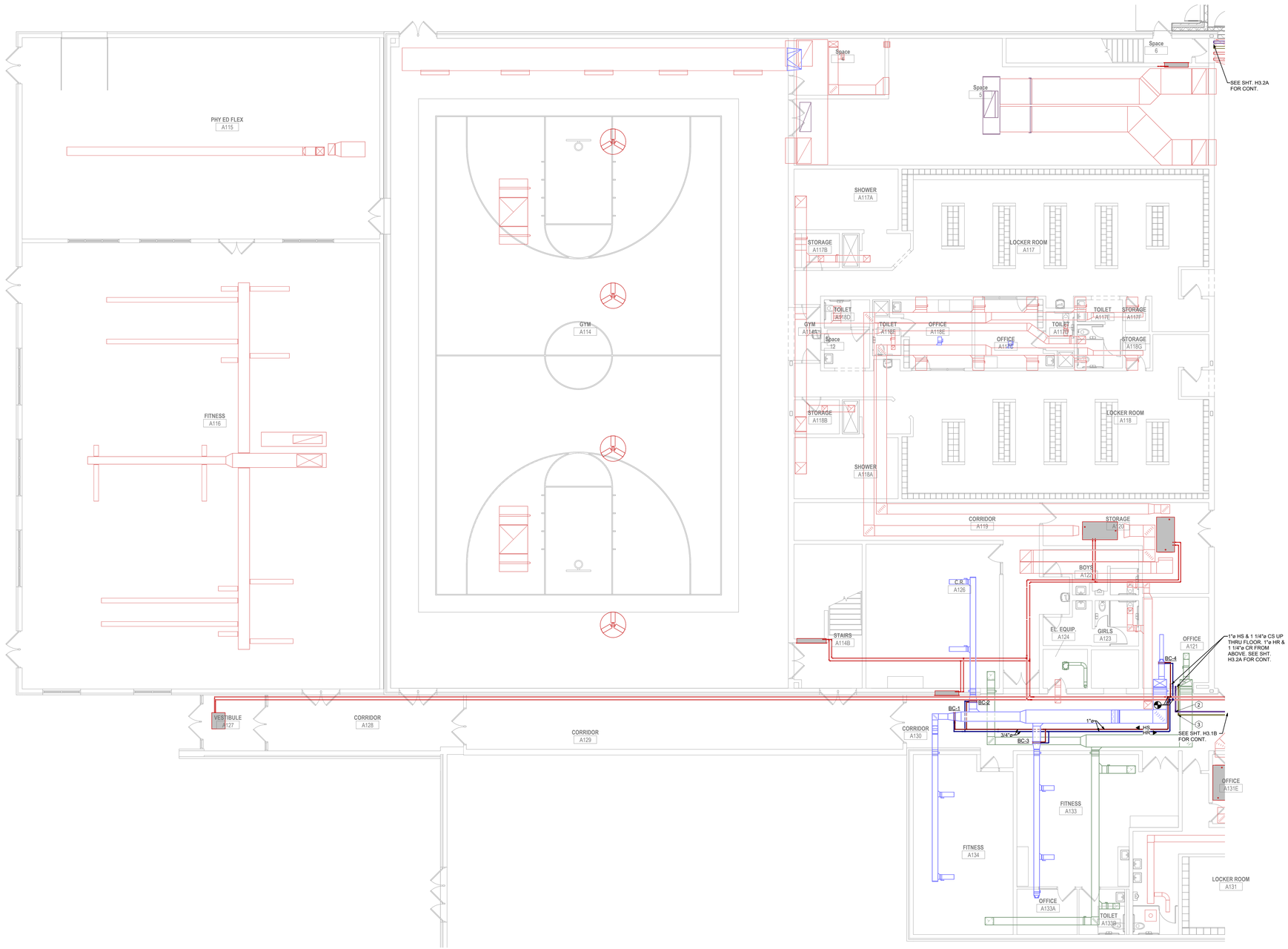
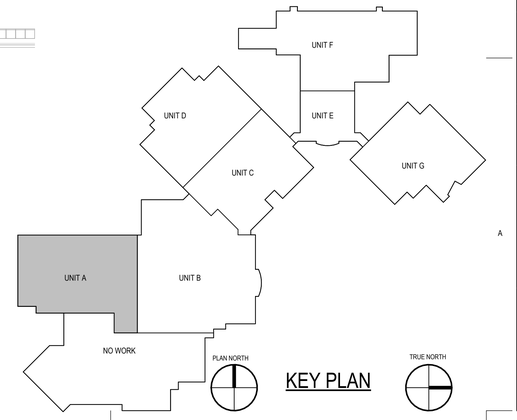
KEYED NOTES	
HEX KEY	DESCRIPTION
2	DROP AND VENT
3	RISE



1 H3.1A FIRST FLOOR PIPING PLAN - UNIT A

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT A - FIRST FLOOR PIPING PLAN

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H3.1A

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KEYED NOTES	
HEX KEY	DESCRIPTION
2	DROP AND VENT
3	RISE

OFFICE A107A
DRY STORAGE A107C
COOLER A107F
FREEZER A107G
KITCHEN A107
LOCKERS A107D
RECEIVING A108
TOILET A107E
SERVERY A107B
CUSTODIAN A106A
CLEANING A106
CORRIDOR A109
Space 6
CAFETERIA EXPANSION A100F
CAFETERIA A100
CORRIDOR A105
SITING AREA A100E
SCHOOL STORE A100A
CONCESSION / CAFE A100B
BOYS TOILET A101
STORAGE A100C
ENTRANCE A104
GIRLS TOILET A102
MECHANICAL A100D
VESTIBULE A103
GYM A110
LOCKER ROOM A118
TOILET A117E
STORAGE A117F
STORAGE A118G
STORAGE A120
BOYS A122
GIRLS A123
OFFICE A121
OFFICE A131E
Space 45
SHOWER A131B
LOCKER ROOM A131
CORRIDOR A131A
CORRIDOR A132A
LOCKER A132B
TOILET A132C
TOILET A132D
SHOWER A132E
CORRIDOR A132F
LOCKER ROOM A132
TOILET A133B

AHU-10
IP-1
IP-11
BCU-4
UH-4
CH-1
CH-2
BC-4
V-1
V-2

2 1/2"ø CR
CS
HS
HR
2"ø
1"ø
1 1/4"ø
3"ø
4"ø

1 1/2"Ø LOOP SEAL. EXTEND TO HUB DRAIN WITHIN 10'-0". SEE PLNG DWGS.

1 1/2"Ø LOOP SEAL EXTEND TO HUB DRAIN WITHIN 10'-0". SEE PLBG DWGS.

CBV 31.7 GPM

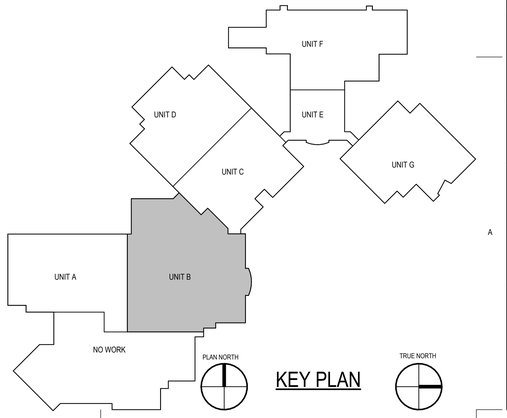
SEE SHT. H3.2A FOR CONT.

DROP NEW 4"Ø CW LINES IN EXIST. CHASE FOLLOWING THE SAME PATH AS THE EXIST. HW PIPING. OPEN CHASE AND PATCH AS REQUIRED.

1"ø HS & 1 1/4"ø CS UP THRU FLOOR. 1"ø HR & 1 1/4"ø CR FROM ABOVE. SEE SHT. H3.2A FOR CONT.

1 FIRST FLOOR PIPING PLAN - UNIT B
H3.1B
Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT B - FIRST FLOOR PIPING PLAN

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KEYED NOTES	
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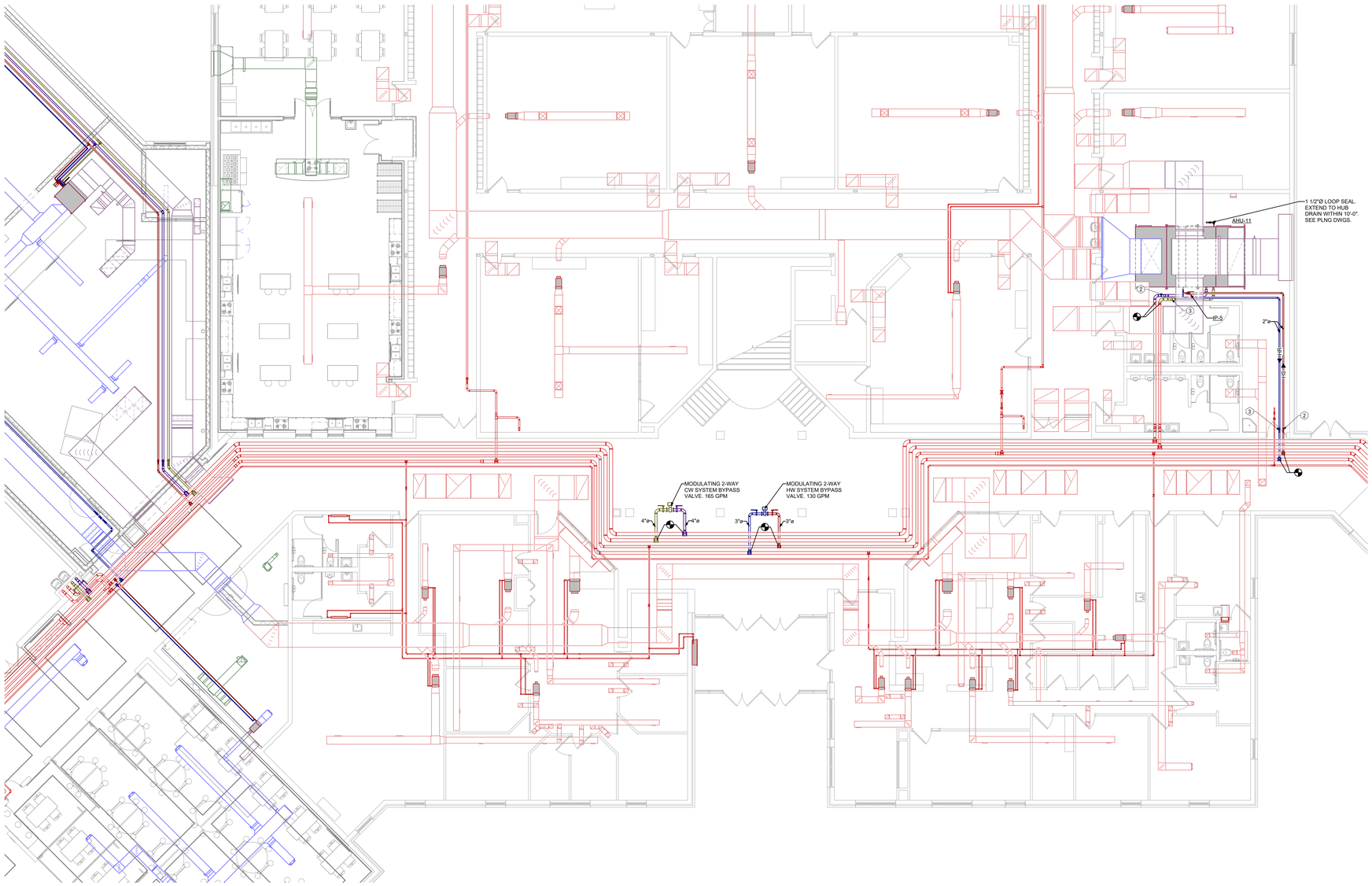
3	RISE



1 H3.1C FIRST FLOOR PIPING PLAN - UNIT C

Scale: 1/8" = 1'-0"

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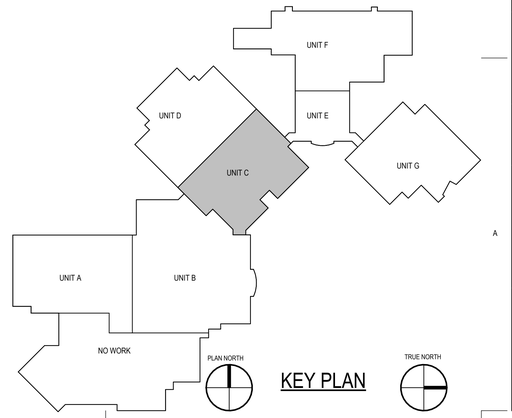

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UNIT C - FIRST FLOOR PIPING PLAN

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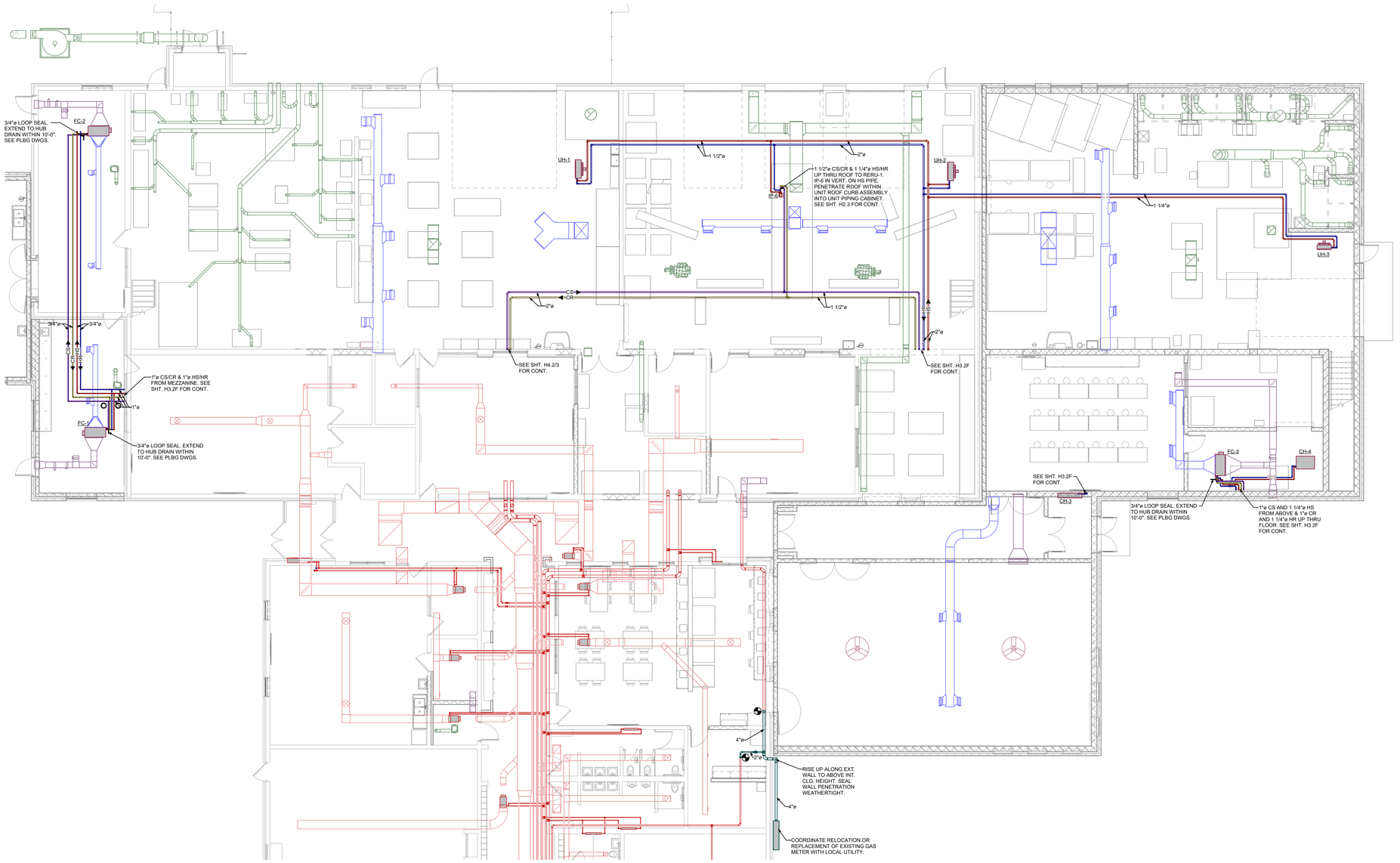
KEYED NOTES	
HEX KEY	DESCRIPTION



1 H3.1F FIRST FLOOR PIPING PLAN - UNIT F

Scale: 1/8" = 1'-0"

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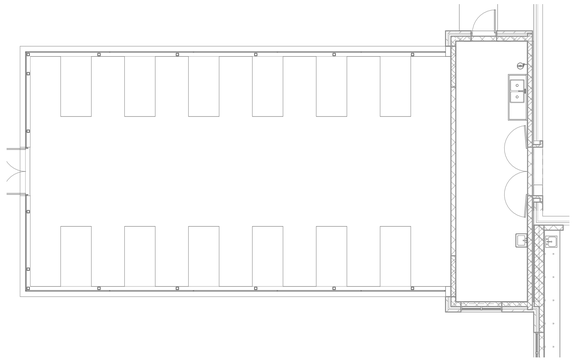
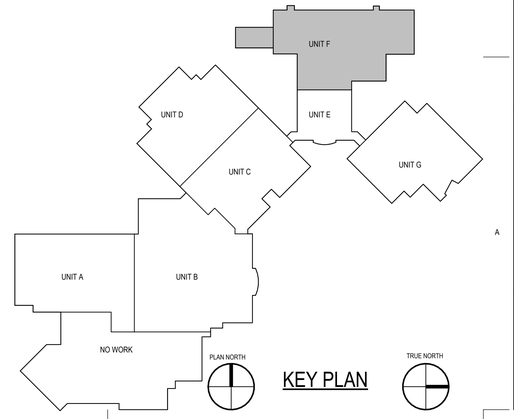


2 H3.1F FIRST FLOOR PIPING PLAN - UNIT F - GREENHOUSE

Scale: 1/8" = 1'-0"



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UNIT F - FIRST FLOOR PIPING PLAN

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HEX KEY	DESCRIPTION
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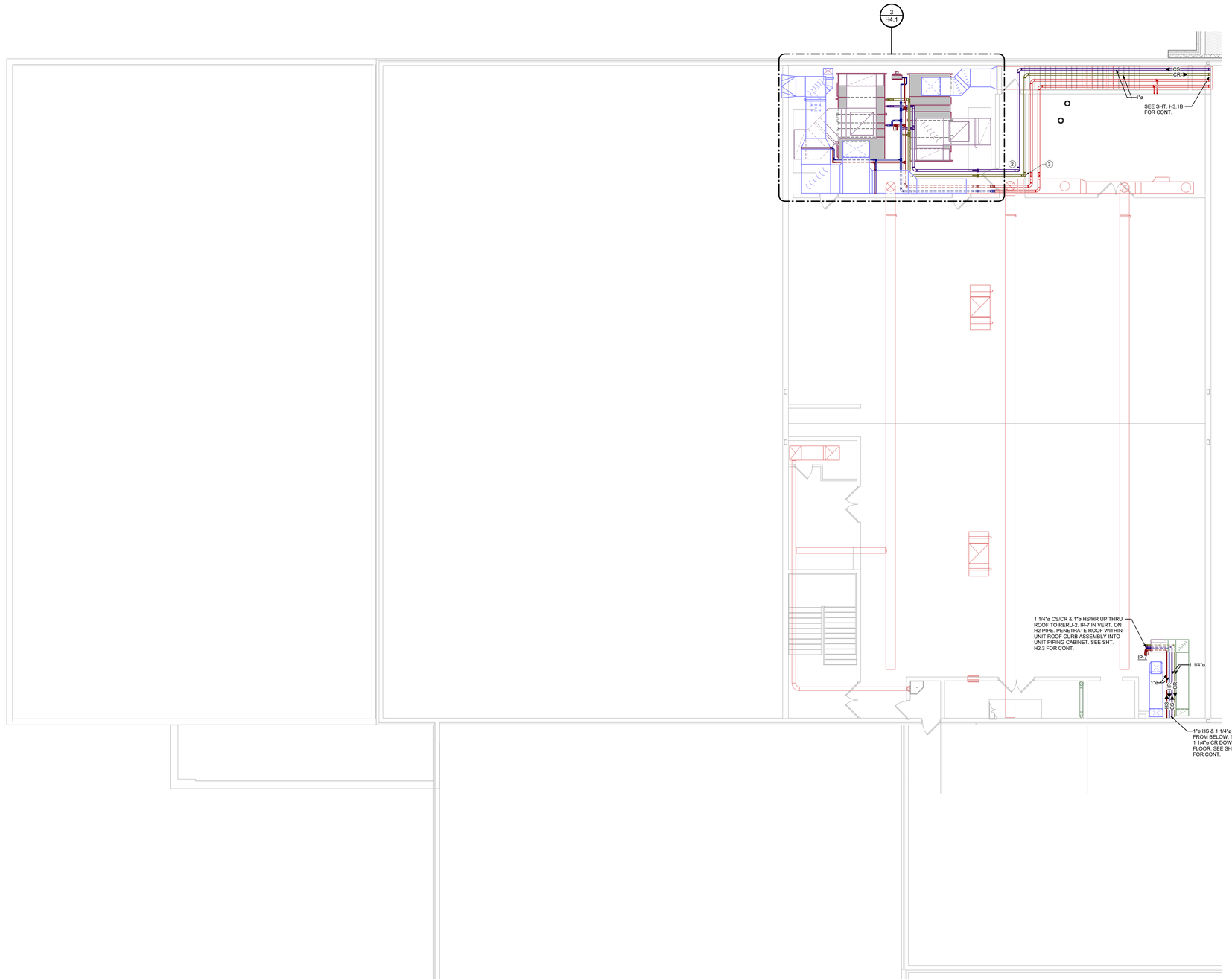
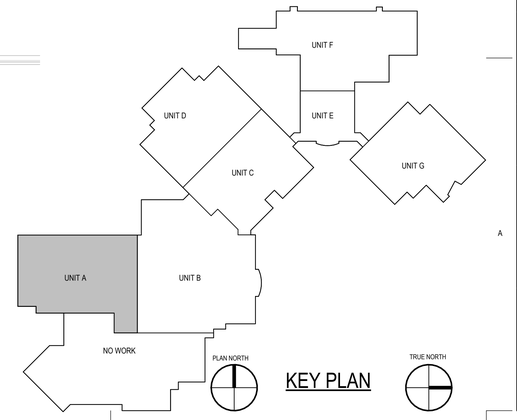
3	RISE



1 H3.2A SECOND FLOOR PIPING PLAN - UNIT A

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'



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UNIT A - SECOND FLOOR PIPING PLAN

Sheet Number:
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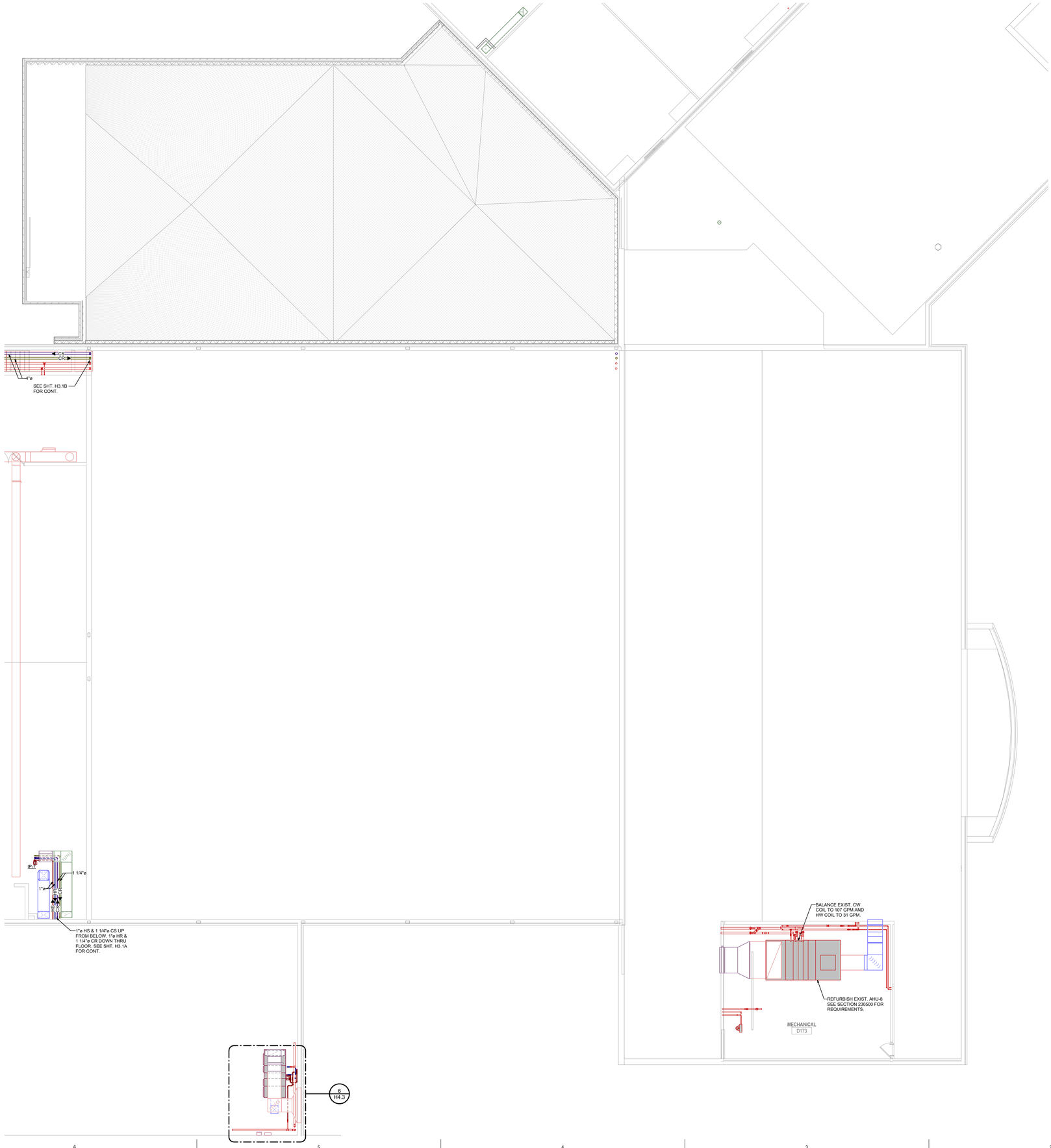

KEYED NOTES	
HEX KEY	DESCRIPTION

1 H3.2B SECOND FLOOR PIPING PLAN - UNIT B

Scale: 1/8" = 1'-0"

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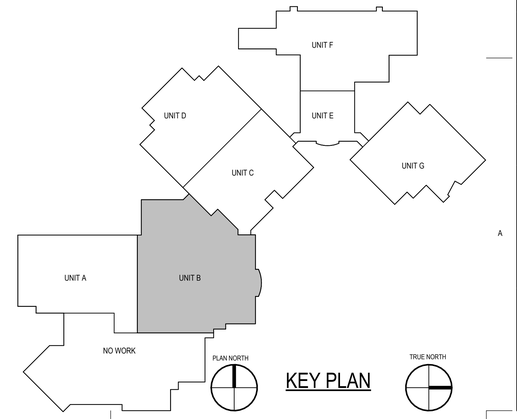

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UNIT B - SECOND FLOOR PIPING PLAN

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KEYED NOTES	
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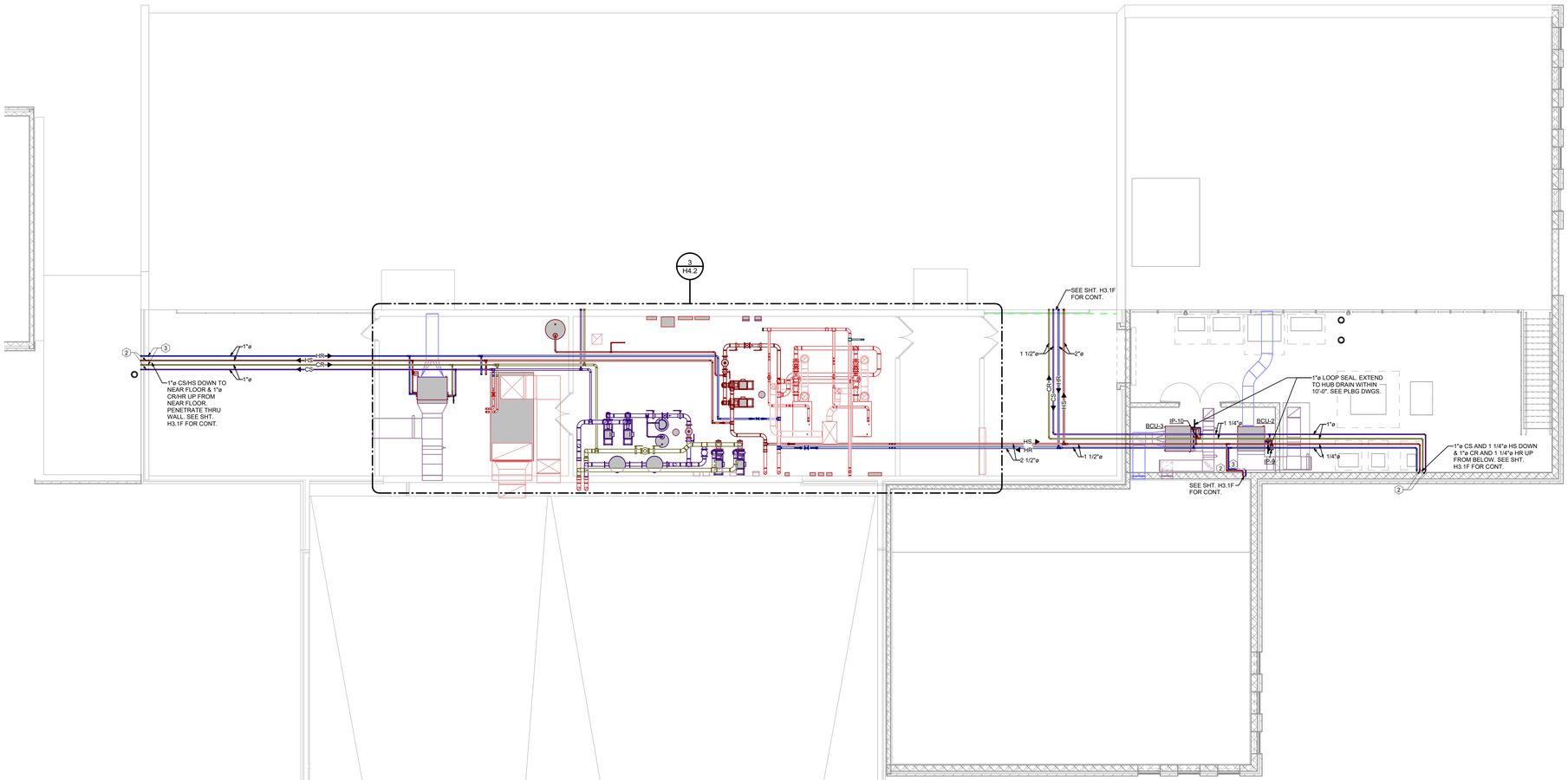
3	RISE



1 H3.2F SECOND FLOOR PIPING PLAN - UNIT F

Scale: 1/8" = 1'-0"

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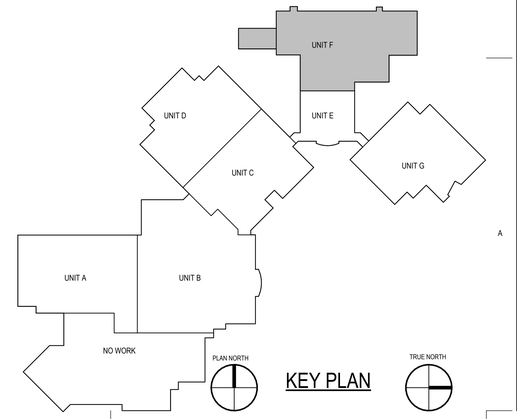

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UNIT F - SECOND FLOOR PIPING PLAN

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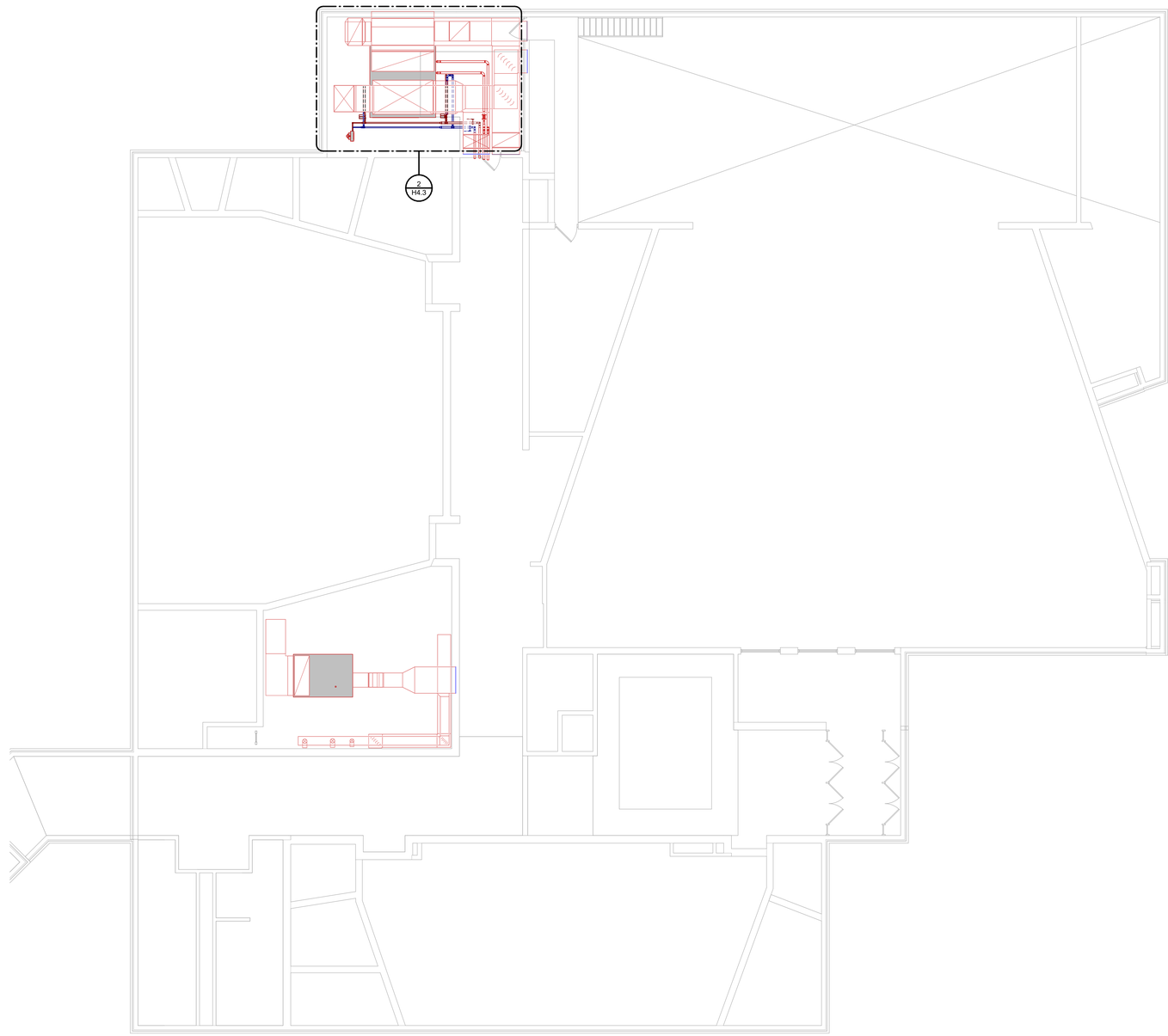
KEYED NOTES	
HEX KEY	DESCRIPTION



1 H3.2G SECOND FLOOR PIPING PLAN - UNIT G

Scale: 1/8" = 1'-0"

0' 4' 8' 16' 24'

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UNIT G - SECOND FLOOR PIPING PLAN

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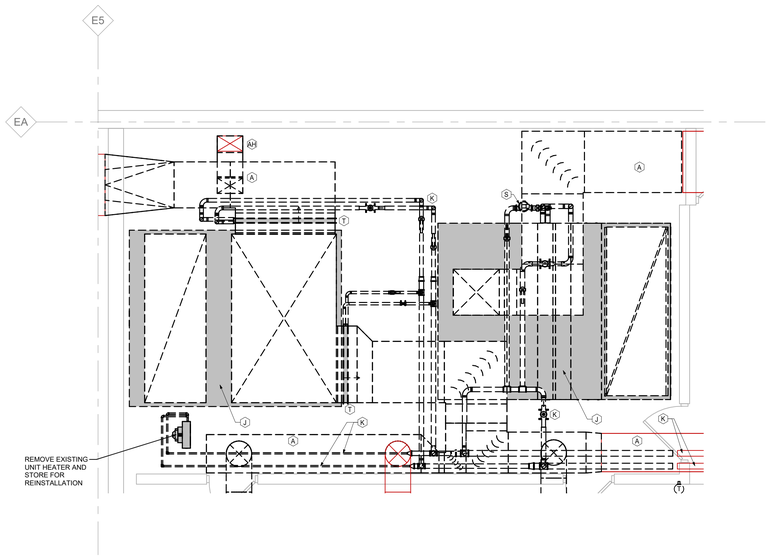
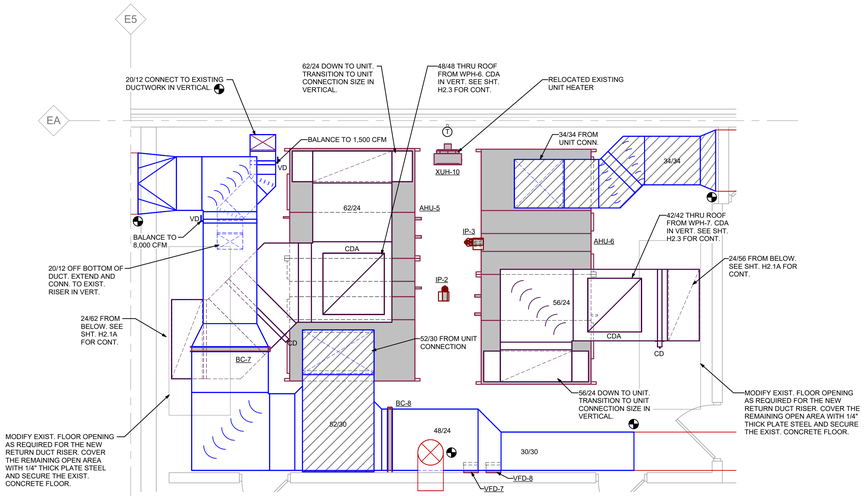
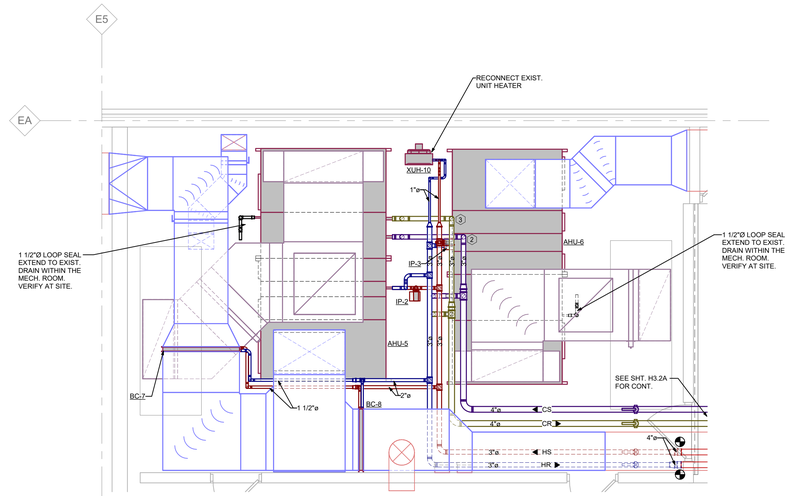
KEYED NOTES	
HEX KEY	**DESCRIPTION**
2	DROP AND VENT
3	RISE
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
AH	REMOVE EXIST. DUCTWORK UP TO THE FLOOR PENETRATION FOR RECONNECTION. SEE NEW WORK PLAN.
J	REMOVE EXISTING AIR HANDLING UNIT, EXISITNG CONCRETE PAD, DUCTWORK AS INDICATED, ROOF INTAKE HOOD, DAMPERS, BRANCH PIPING, AND CONTROL. CAP PIPING AT MAINS.
K	REMOVE EXISTING PIPING TO POINT INDICATED.
S	REMOVE EXISTING PUMP, ASSOCIATED VALVES, PIPING AS INDICATED AND PNEUMATIC CONTROL COMPONENTS. TURN OVER PUMP MOTOR TO OWNER.
T	REMOVE EXISTING BOOSTER COIL, BRANCH DUCTWORK, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.



1 GYM MECHANICAL ROOM DEMO
H4.1 Scale: 1/4" = 1'-0"



2 GYM MECHANICAL ROOM DUCTWORK
H4.1 Scale: 1/4" = 1'-0"



3 GYM MECHANICAL ROOM PIPING
H4.1 Scale: 1/4" = 1'-0"

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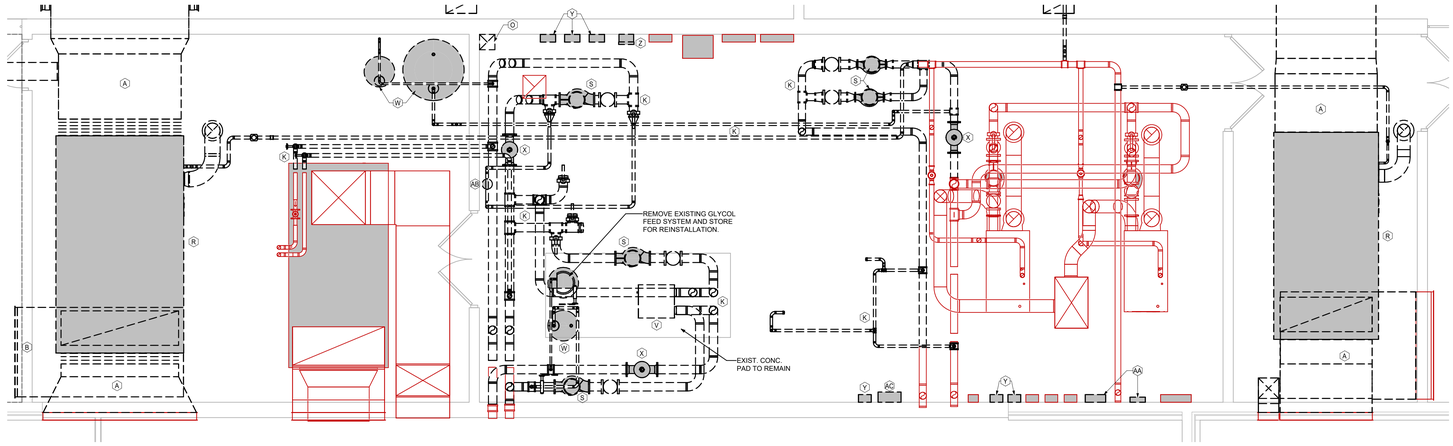
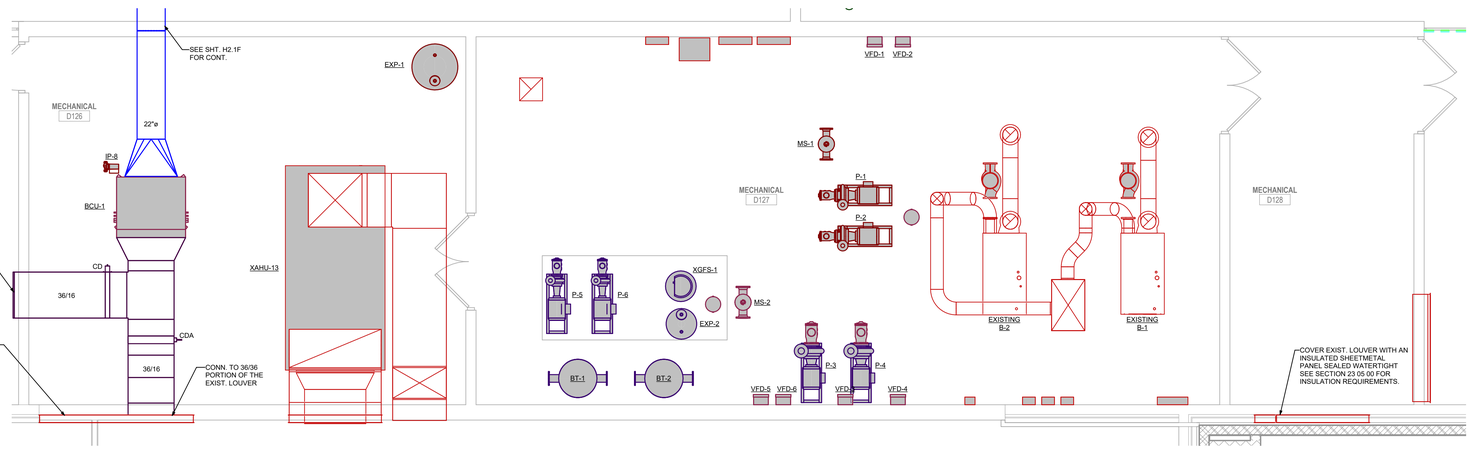
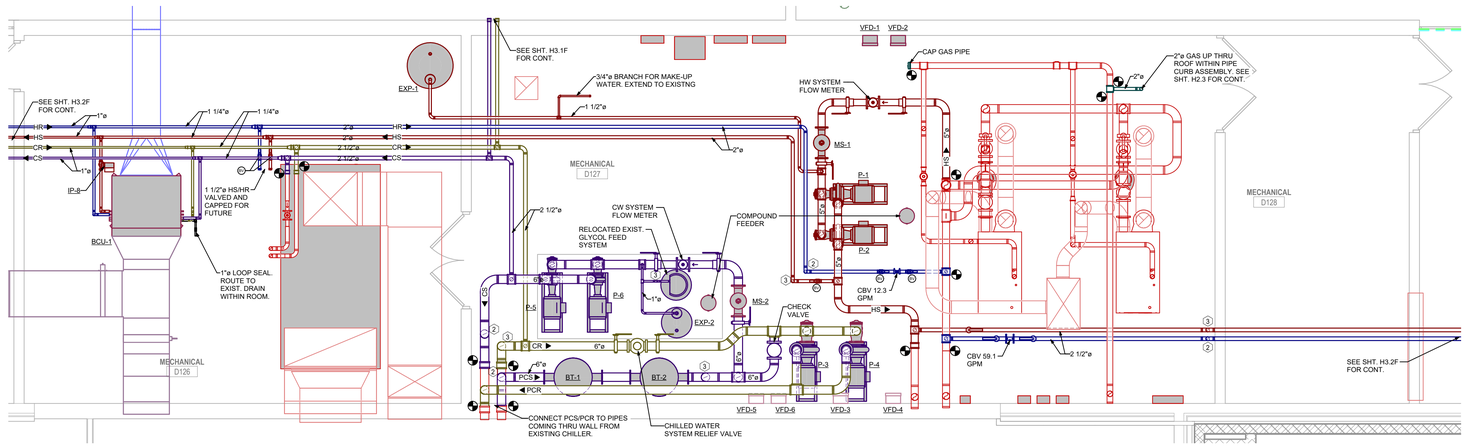


1 H4.2 WOODS & AUTOS MEZZANINE LEVEL DEMO
Scale: 1/4" = 1'-0"

KEYED NOTES	
HEX KEY	**DESCRIPTION**
2	DROP AND VENT
3	RISE
A	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
AA	REMOVE EXISTING TEMPERATURE CONTROL PANELS AND DEVICES.
AB	REMOVE EXISTING COMPOUND FEEDER, ASSOCIATED VALVES AND PIPING AS INDICATED. TURN OVER COMPOUND FEEDER TO OWNER.
AC	REMOVE EXISTING ABANDONED REFR. LEAK DETECTION PANEL.
B	REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK TO POINT INDICATED. PATCH DUCTWORK AS REQUIRED.
K	REMOVE EXISTING PIPING TO POINT INDICATED.
O	REMOVE EXISTING ROOF EXHAUST FAN, ASSOCIATED DUCTWORK AND CONTROL. ROOF CURB TO REMAIN. CAP CURB WITH AN INSULATED SHEET METAL COVER SEALED WEATHERTIGHT. SEE SECTION 230500 FOR COVER AND INSULATION REQUIREMENTS.
R	REMOVE EXISTING MAKE-UP AIR HANDLING UNIT, DUCTWORK AS INDICATED, WEATHERPROOF LOUVER, ROOFCAP, DAMPERS, BRANCH PIPING, AND CONTROL. CAP PIPING AT MAINS. PATCH ROOF OPENING TO MATCH EXISTING CONSTRUCTION.
S	REMOVE EXISTING PUMP, ASSOCIATED VALVES, PIPING AS INDICATED AND PNEUMATIC CONTROL COMPONENTS. TURN OVER PUMP MOTOR TO OWNER.
V	REMOVE EXISTING HEAT EXCHANGER, ASSOCIATED VALVES AND PIPING AS INDICATED.
W	REMOVE EXISTING EXPANSION TANK, ASSOCIATED VALVES AND PIPING AS INDICATED. TURN OVER EXPANSION TANK TO OWNER.
X	REMOVE EXISTING MAGNETIC AIR AND DIRT SEPARATOR, ASSOCIATED VALVES AND PIPING AS INDICATED.
Y	REMOVE EXISTING MOTOR STARTER.
Z	REMOVE EXISTING VFD.



2 H4.2 WOODS & AUTOS MEZZANINE LEVEL DUCTWORK
Scale: 1/4" = 1'-0"



3 H4.2 WOODS & AUTOS MEZZANINE LEVEL PIPING
Scale: 1/4" = 1'-0"

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WOODS AND AUTO MECHANICAL MEZZANINE PLANS

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H4.2

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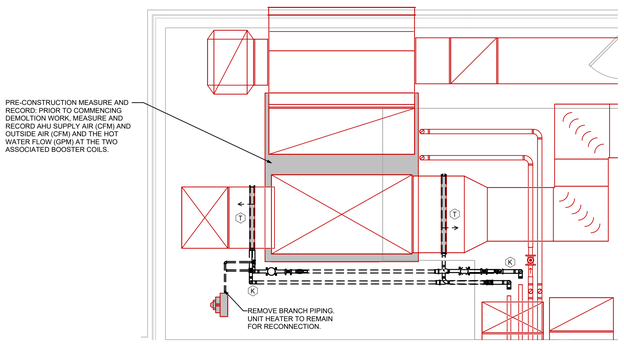
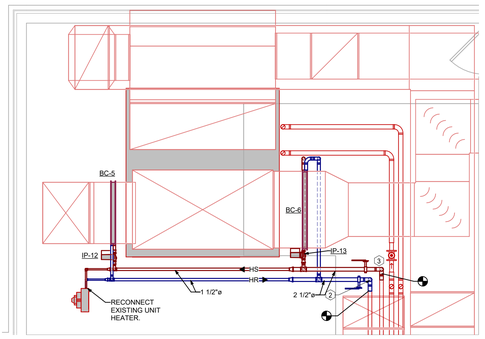
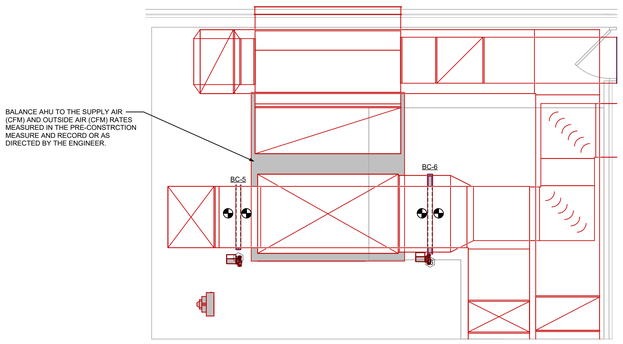
KEYED NOTES	
HEX KEY	**DESCRIPTION**
2	DROP AND VENT
3	RISE
16	INSTALL NEW BOOSTER COIL IN SAME LOCATION AS DEMOLISHED COIL. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING EQUIPMENT.
AD	REMOVE EXISTING AIR HANDLING UNIT, DUCTWORK AS INDICATED, DAMPERS, BRANCH PIPING, AND CONTROL. CAP PIPING AT VALVES.
K	REMOVE EXISTING PIPING TO POINT INDICATED.
T	REMOVE EXISTING BOOSTER COIL, BRANCH DUCTWORK, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.



3 H4.3 AUDITORIUM MECH ROOM DEMO
Scale: 1/4" = 1'-0"



2 H4.3 AUDITORIUM MECH ROOM PIPING
Scale: 1/4" = 1'-0"



1 H4.3 AUDITORIUM MECH ROOM DUCTWORK
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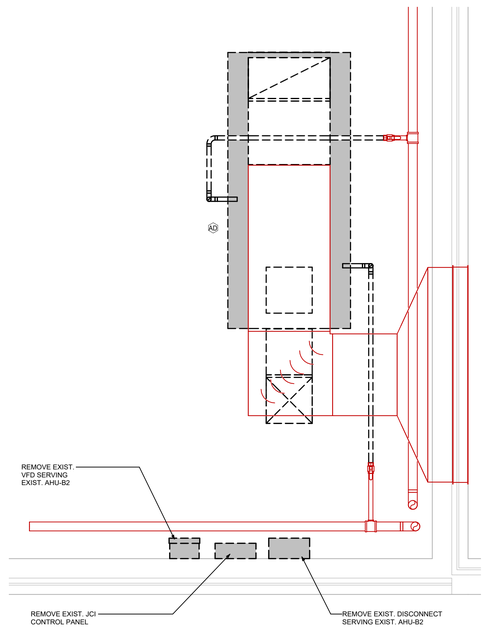

4 H4.3 AQUATIC CENTER MECH ROOM DEMO
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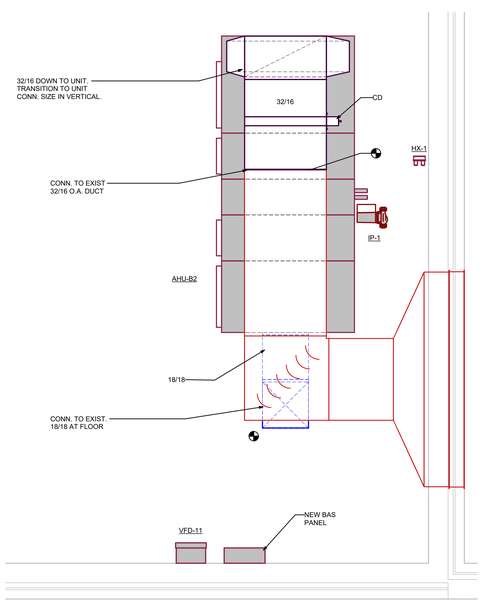

5 H4.3 AQUATIC CENTER MECH ROOM DUCTWORK
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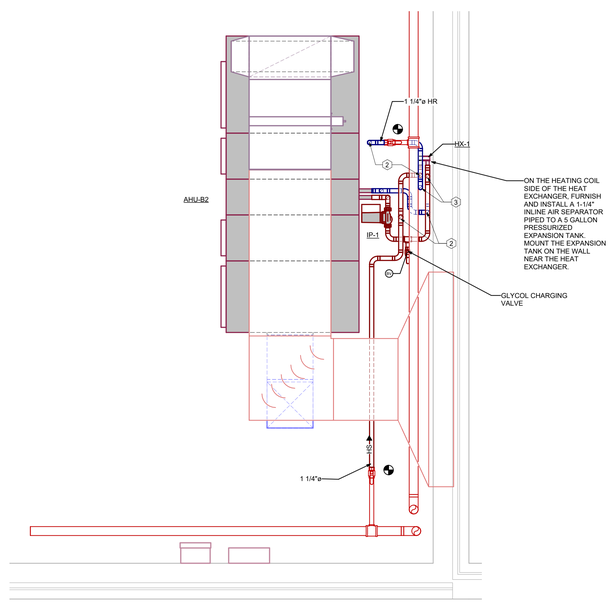

6 H4.3 AQUATIC CENTER MECH ROOM PIPING
Scale: 1/2" = 1'-0"

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WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

NO.	DATE	DESCRIPTION

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12/19/2025

Project Number:
3705

Sheet Title:
AUDITORIUM & AQUATICS MECHANICAL ROOM PLANS

Sheet Number:
H4.3

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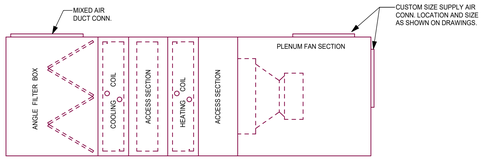
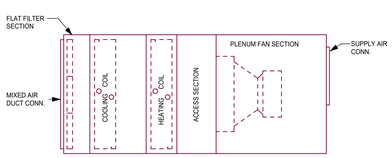
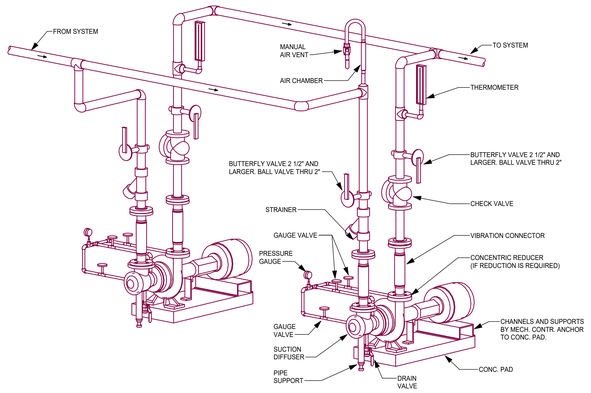


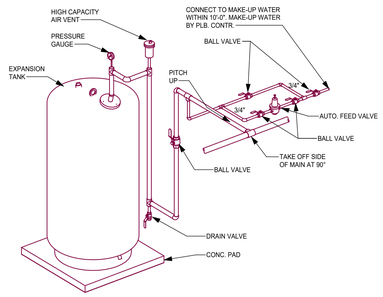
AIR HANDLING UNIT CHILLED WATER COOLING



BLOWER COIL UNIT



PUMPS



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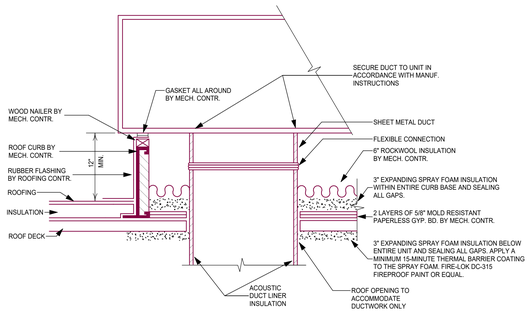
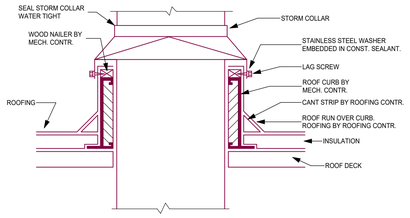
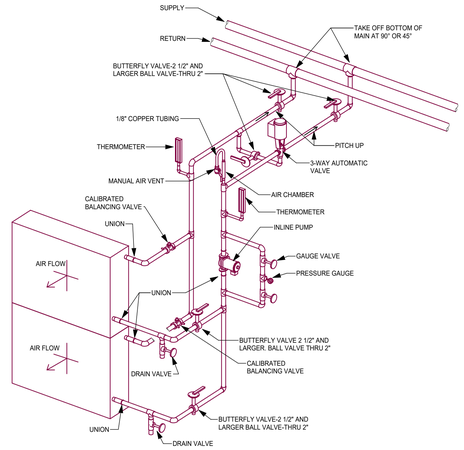


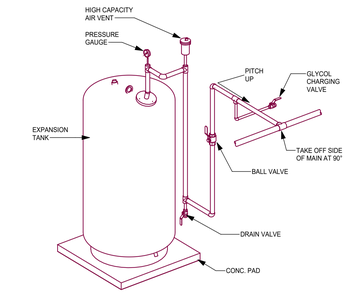
ROOFTOP UNIT CURB AND DUCT CONN.



DUCT THRU ROOF



HW HEATING COILS



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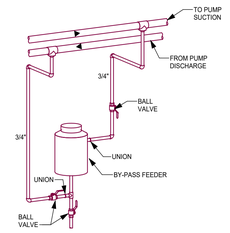
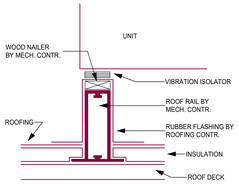
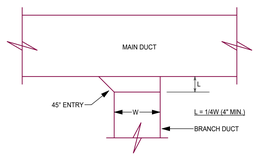


BY-PASS COMPOUND FEEDER

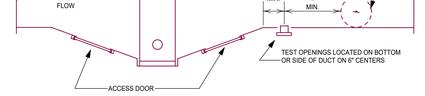


EQUIPMENT SUPPORT RAILS

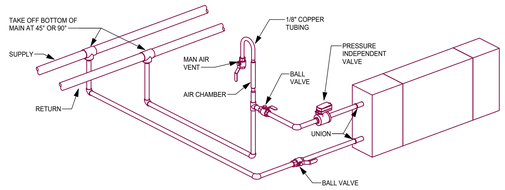
PACK AND CAULK IN HORIZONTAL ASSEMBLY



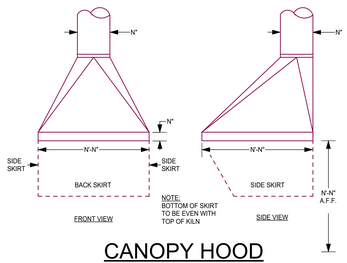
TYPICAL BRANCH CONN.



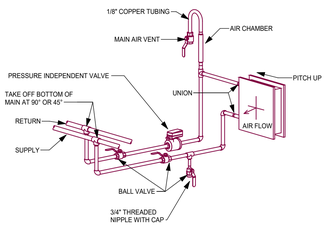
BOOSTER COIL DUCT CONNECTIONS



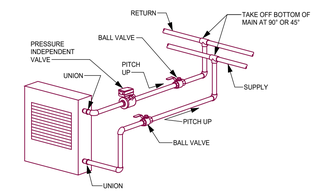
HOT WATER FAN COIL UNIT



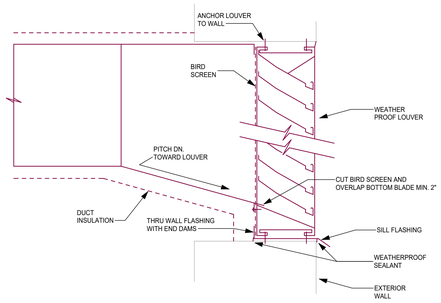
CANOPY HOOD



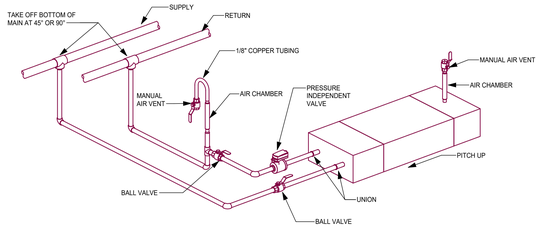
UPFEED HOT WATER BOOSTER COIL



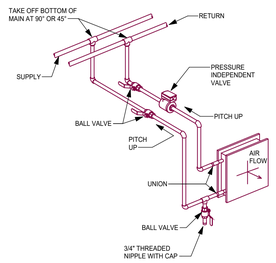
HOT WATER UNIT HEATER



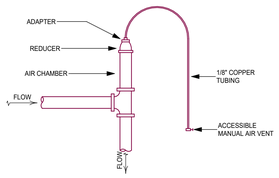
WEATHERPROOF LOUVER



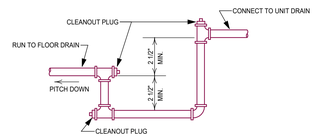
CHILLED WATER FAN COIL UNIT



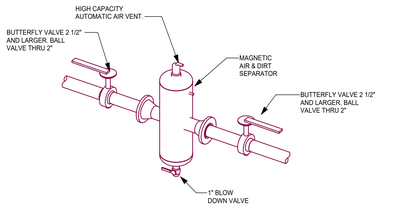
DOWNFEED HOT WATER BOOSTER COIL



AIR VENT



LOOP SEAL



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534 S. ELIZABETH
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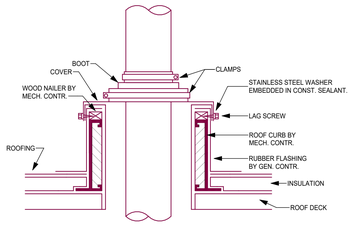
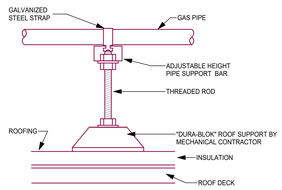
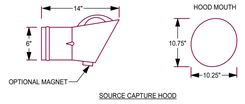
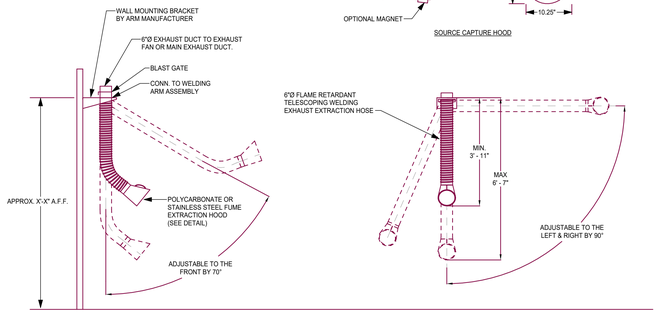


PIPE CURB ASSEMBLY

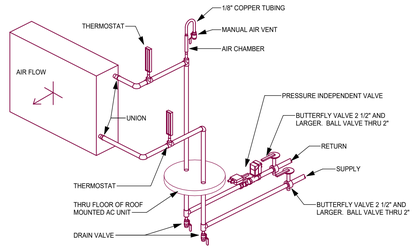


ELEVATED GAS PIPING RUN ABOVE ROOF

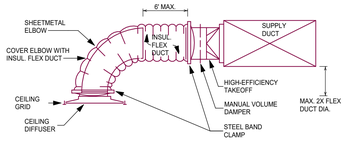




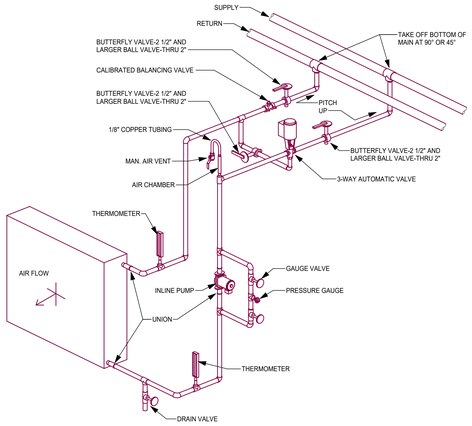
TELESCOPING WELDING EXHAUST



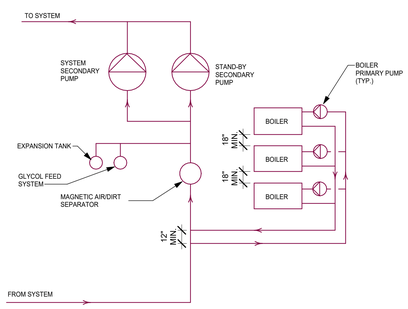
UPFEED CW COOLING COILS



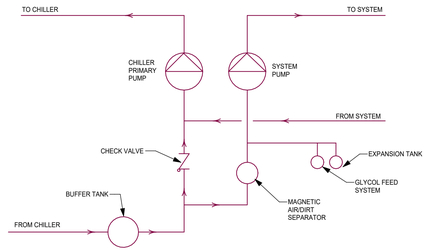
DIFFUSER DETAIL



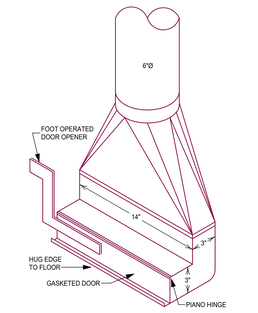
BOOSTER COILS BC-5 AND BC-6



HOT WATER PRIMARY-SECONDARY PIPING SCHEMATIC



CHILLED WATER PRIMARY-SECONDARY PIPING SCHEMATIC



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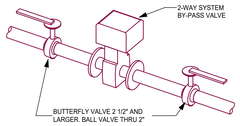
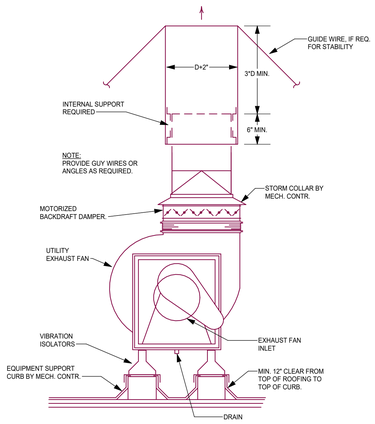
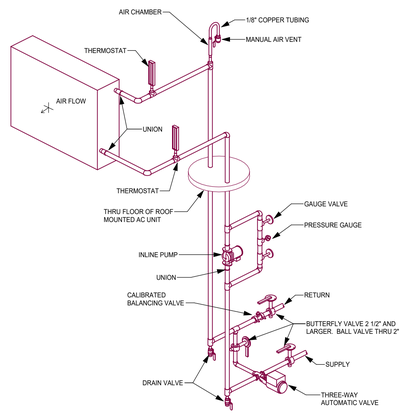


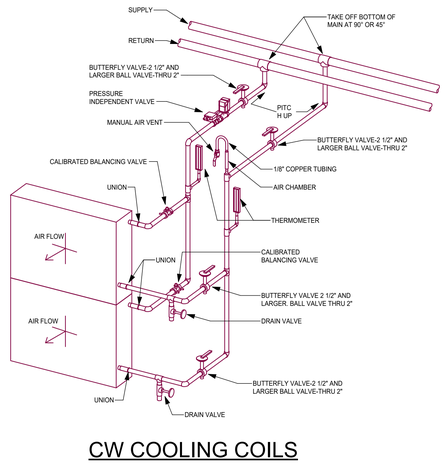
SYSTEM BY-PASS VALVE



UTILITY SET EXHAUST FAN



UPFEED HW HEATING COILS (PUMPED)



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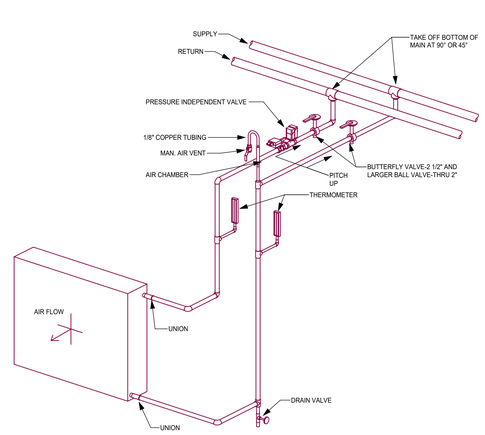

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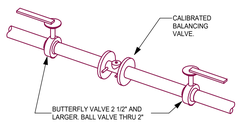
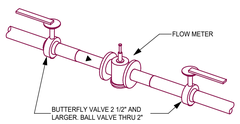
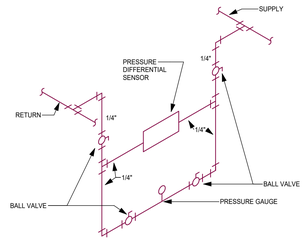


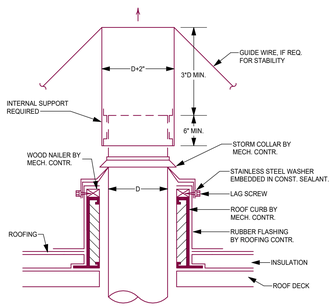
CALIBRATED BALANCING VALVE



IN-LINE SYSTEM FLOW METER



PRESSURE DIFFERENTIAL CONTROLLER PIPING



RAIN COLLAR

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Sheet Number:
H6.2

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PLUMBING SYMBOLS AND ABBREVIATIONS

THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST - NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS.

PIPING SYSTEMS

CW	DOMESTIC COLD WATER - HARD
CWS	DOMESTIC COLD WATER - SOFT
HW	DOMESTIC HOT WATER - SUPPLY 120
HW-140	DOMESTIC HOT WATER - SUPPLY 140
HWR	DOMESTIC HOT WATER - RETURN 120
HWR-140	DOMESTIC HOT WATER - RETURN 140
NP-CW	NON-POTABLE COLD WATER - HARD
NP-CWS	NON-POTABLE COLD WATER - SOFT
NP-HW	NON-POTABLE HOT WATER - SUPPLY
NP-HWR	NON-POTABLE HOT WATER - RETURN
DI	DEIONIZED WATER
RO	REVERSE OSMOSIS WATER
TW	TEMPERED WATER - SUPPLY
TWR	TEMPERED WATER - RETURN
SAN	SANITARY WASTE
V	SANITARY VENT
GW	GREASE WASTE
AW	ACID WASTE
AV	ACID VENT
ST	STORM DRAINAGE - PRIMARY
OF	OVERFLOW DRAINAGE - SECONDARY
CLV	CLEAR WATER VENT
CLW	CLEAR WATER WASTE
DT	DRAIN TILE
PW	PROCESS WASTE
PV	PROCESS VENT
PD	PUMPED DISCHARGE
EXHAUST	EQUIPMENT - EXHAUST
INTAKE	EQUIPMENT - INTAKE
CA	COMPRESSED AIR
G	NATURAL GAS
LP	LIQUID PROPANE
M-AIR	MEDICAL - AIR
M-CO	MEDICAL - CARBON DIOXIDE
M-N	MEDICAL - NITROGEN
M-NO	MEDICAL - NITROUS OXIDE
M-OX	MEDICAL - OXYGEN
M-VAC	MEDICAL - VACUUM
ACE	WELDING - ACETYLENE
ARG	WELDING - ARGON
ARG/CO	WELDING - ARGON/CARBON DIOXIDE
OX	WELDING - OXYGEN
WV	WELDING - VENT
	DEMOLISHED PIPING

ACCESSORIES

	BACKFLOW PREVENTER - DC
	BACKFLOW PREVENTER - DCDA
	BACKFLOW PREVENTER - PVB
	BACKFLOW PREVENTER - RP
	BALL VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	BACKWATER VALVE
	CHECK VALVE
	GATE VALVE
	THERMOSTATIC MIXING VALVE
	DRAIN TEMPERING VALVE
EV	THREE WAY VALVE - ELECTRICAL
	THREE WAY VALVE
	PRESSURE REDUCING VALVE
SV	SOLENOID VALVE
MV	MECHANICAL VALVE
	SUCTION DIFFUSER
	THERMOMETER
	WATER HAMMER ARRESTER
	PRESSURE GAUGE

FITTINGS

	ELBOW LONG SWEEP 90
	ELBOW SHORT SWEEP 90
	ELBOW
	TEE
	TEE
	CROSS
	TEE DOUBLE
	WYE 45 DEG
	WYE 45 DEG DOUBLE
	WYE COMBINATION
	WYE COMBINATION DOUBLE
	CAP
	COUPLING
	PLUG
	PIPE BREAKLINE
	P TRAP
	PIPE DROP / DOWN
	PIPE RISE / UP
	PIPE BRANCH RISE / UP
	PIPE BRANCH DROP / DOWN
2" SAN	PIPE TAG: SIZE & SYSTEM ABBREVIATION
2"	PIPE TAG: SIZE
SAN	PIPE TAG: SYSTEM ABBREVIATION
2" (0)	PIPE TAG: SIZE & FIXTURE UNITS
2" SAN (0)	PIPE TAG: SIZE & SYSTEM ABBREVIATION & FIXTURE UNITS

GENERAL ANNOTATION SYMBOLS

X / XXX-X	REFERS TO PLAN KEYNOTE NUMBER
XXX	FIXTURE AND EQUIPMENT TAG
	SPECIALTY EQUIPMENT REFERENCE TAG
XX / XXX	DETAIL NUMBER
	SHEET NO. WHERE DETAIL IS LOCATED
X / XXX	VIEW REFERENCE TAG
XX / XXX	VIEW REFERENCE TAG
	PIPE BREAKLINE
	CONNECT NEW TO EXISTING
1	REVISION NUMBER
ARCH = XXX.XX' CIVIL = XXX.XX'	ELEVATION MARKER

ABBREVIATIONS

ABV	ABOVE
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
ARCH	ARCHITECT / ARCHITECTURAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
BJ	BETWEEN JOISTS
BLDG	BUILDING
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BV	BALANCE VALVE
CB	CONSTRUCTION BULLETIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CM	CONSTRUCTION MANAGER
CLG	CEILING
CTE	CONNECT TO EXISTING
DEG	DEGREE(S)
DIA	DIAMETER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EX	EXISTING
F	DEGREES FAHRENHEIT
FBO	FURNISHED BY OTHERS
FFE	FINISHED FLOOR ELEVATION
FPC	FIRE PROTECTION / SPRINKLER CONTRACTOR
FT	FOOT / FEET
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HC	HVAC CONTRACTOR
HP	HORSE POWER
HVAC	HEATING, VENTILATION, AIR CONDITIONING
ID	INSIDE DIAMETER
I.E.	INVERT ELEVATION
IN	INCH
INV	INVERT
LB	POUND
LF	LINEAR FOOT / FEET
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MIN	MINUTE
MISC	MISCELLANEOUS
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
Ø	DIAMETER
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRESS	PRESSURE
PS	PROJECT SUPPLEMENT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
REC	RECESSED
REV	REVISION
RI	ROUGH-IN
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SF	SQUARE FOOT
TEMP	TEMPERATURE
TYP	TYPICAL
UC	UNDERCOUNTER
UG	UNDERGROUND
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT

PLUMBING CONNECTION SCHEDULE

TAG	DESCRIPTION	COLD WATER CONNECTION SIZE	CWFU	HOT WATER CONNECTION SIZE	HWFU	WASTE CONNECTION SIZE	WFU
	<varies>		<varies>		<varies>		<varies>
	Hydrant	3/4	0.5	1/2	-		-
CB-1	CATCH BASIN	-	-		-	4	3
DSN-1	FLOOR DRAIN	-	-	-	-	SEE PLAN	-
EEW-1	EMERGENCY EYE WASH	-	-	-	-	2	-
FD-1	FLOOR DRAIN	-	-	-	-	3	4
FD-2	FLOOR DRAIN	-	-	-	-	3	4
FD-3	FLOOR DRAIN	-	-	-	-	SEE PLAN	3
FS-1	FLOOR SINK	-	-	-	-	4	6
HB-1	EXTERIOR HOSE BIBB	3/4	4	-	-	-	-
HB-2	INTERIOR HOSE BIBB	3/4	4	-	-	-	-
HD-1	HUB DRAIN	-	-	-	-	SEE PLAN	<varies>
HR-1	HOSE REEL	1/2	3		-		-
L-1	LAVATORY	1/2	0.5	1/2	0.5	SEE PLAN	1
MB-1	SERVICE SINK	3/4	2	3/4	2	3	3
OD-1	OVERFLOW DRAIN	-	-	-	-	SEE PLAN	N/A
RD-1	ROOF DRAIN	-	-	-	-	SEE PLAN	N/A
S-1	SINK	1/2	1		1	1 1/2	1
S-2	SINK	1/2	1		1	1 1/2	1
S-3	SERVICE SINK	3/4	2	3/4	2	2	2
SS-1	SERVICE SINK	3/4	2	3/4	2	3	3
SS-2	SERVICE SINK	3/4	2	3/4	2	2	2
SS-3	SERVICE SINK	3/4	2	3/4	2	2	2
VB-1	VALVE BOX	3/4	0.5	1/2	-		-
VB-2	VALVE BOX	1/2	2	1/2	2	1 1/2	4
WC-1	WATER CLOSET	1 1/4	6.5	-	-	4	6
WF-1	WASH FOUNTAIN		1.5		1.5		2
WGT-1	WELDING GAS TERMINATION	-	N/A		-		-

INFORMATION REQUIRED TO SIZE WATER SERVICE AND WATER DISTRIBUTION

1-	Demand of building in water supply fixture units:	(WSFU)	607.5
1.a.	Demand of building in WSFU converted to Gallons Per Minute:	(GPM)	157.975
2-	Elevation difference from main or external pressure tank to building control valve:	(feet)	0
3-	Size of water meter	(in)	4
4-	Developed length from main or external pressure tank to building control valve:	(feet)	600
5-	Low pressure at main in street or external pressure tank:	(psig)	48.90

WATER SERVICE PRESSURE LOSS

6-	Low pressure at main in street or external pressure tank	(psig)	48.90
7-	Determine pressure loss due to friction in water service.		
	Water Service Size	(in)	8
	Water Service Pipe Material		Copper - L
	Pressure loss per 100 ft.	(psig)	0.03
8-	Pressure loss or gain due to elevation:	(psig)	0
9-	Available pressure after the bldg. control valve:	(psig)	48.87

PRESSURE AVAILABLE FOR UNIFORM LOSS

	Pressure loss of backflow preventer	(psig)	0
	Pressure loss of water meter	(psig)	2
	Miscellaneous Pressure Losses	(psig)	0
	Safety Factor	(psig)	0
	Booster Pump Outlet Pressure	(psig)	0
	Pressure Available for Distribution	(psig)	46.74

			CW HB-1 C129B	HW EEW-1 C120	CW EEW-1 C120	CWS WC-1 A107E	CW HB-1 A108	HW S-2 B135
D.	Controlling Fixture:							
	Location of controling fixture							
	Pressure at controlling fixture:	(psig)	25	30	30	30	20	30
E.	Difference in elevation between building control valve and the controlling fixture:	(feet)	2	2	2	-1	-1	-1
F.	Pressure loss due to Backflow Preventer	(psig)	0	0	0	0	0	0
	Pressure loss due to Water Treatment	(psig)	0	10	10	10	0	10
	Pressure loss due to Master Mixing Valve	(psig)	0	0	0	0	0	0
	Pressure loss due to Emergency Mixing Valve	(psig)	0	5	5	0	0	0
G.	Pressure loss through tankless water heaters, combination boiler / hot water heaters, heat exchangers which serve the controlling fixture:	(psig)	0	0	0	0	0	0
H.	Developed length from building control valve to controlling fixture in feet	(feet)	285	260	260	500	500	575
A.	**Pressure available for uniform loss:**	**(psig/100')**	**4.88**	**0.22**	**0.22**	**0.96**	**3.62**	**0.83**
	Water Distribution piping is:							
	Mains:		Copper - L					
	Branches:		Copper - L					

GENERAL DEMOLITION NOTES

1. SEE SPECIFICATIONS FOR MORE INFORMATION.
2. EXISTING ITEMS SHOWN ON THESE DRAWING REFLECT A COMBINATION OF THE EXISTING CONTRACT DRAWINGS, AS-BUILT RECORD DRAWINGS, FIELD SURVEYS AND THE ENGINEER'S ESTIMATION OF PIPE ROUTES. ALL EXISTING PIPE LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. NOTIFY THE ENGINEER FOR ANY REUSE OF EXISTING PIPING THAT IS IN GOOD CONDITION AND SIZE APPROPRIATELY.
3. ITEMS SHOWN AS HEAVY DASHED ARE TO BE DEMOLISHED.
4. ITEMS SHOWN AS LIGHTER ARE EXISTING TO REMAIN.
5. COORDINATE DEMOLITION OF EXISTING PIPING TO BE REMOVED WITH GENERAL CONTRACTOR.
6. FIELD VERIFY LOCATIONS OF EXISTING PIPE MAINS. REUSE ANY PIPING OF SUFFICIENT SIZE IN GOOD CONDITION. REROUTE AS REQUIRED PER FIELD CONDITIONS.
7. WHERE EXISTING PIPING IS SHOWN TO BE REMOVED, CAP BRANCH PIPE IF NOT BEING USED FOR NEW CONSTRUCTION.

GENERAL INSTALLATION NOTES

1. SEE PLUMBING SPECIFICATIONS FOR MORE INFORMATION.
2. PLUMBING INSTALLATION SHALL BE INSTALLED PER WISCONSIN UNIFORM PLUMBING CODE AND PER LOCAL PLUMBING CODE FOR ITEMS NOT NOTED OR SHOWN ON THESE DRAWINGS.
3. EXISTING ITEMS SHOWN ON THESE DRAWING REFLECT A COMBINATION OF THE EXISTING CONTRACT DRAWINGS, AS-BUILT RECORD DRAWINGS, FIELD SURVEYS AND THE ENGINEER'S ESTIMATION OF PIPE ROUTES. ALL EXISTING PIPE LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. REROUTE NEW PIPING AS REQUIRED PER FIELD CONDITIONS.
4. FIELD VERIFY UNDERGROUND PIPING LOCATION, DEPTH AND SIZE AT POINT OF CONNECTION AND THAT NEW PIPE ROUTE IS CLEAR OF UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO INSTALLATION OF ANY UNDERGROUND PIPING. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. ALL PIPING IS TO BE CONCEALED. IF BUILDING CONSTRUCTION DOES NOT PERMIT CONCEALING PIPING, LOCATIONS AND ROUTING ARE TO BE APPROVED BY ARCHITECT/OWNER PRIOR TO INSTALLATION.
6. ROUTE ALL PIPING IN COORDINATION WITH OTHER TRADES.
7. FLOOR AND WALL CLEANOUT LOCATIONS NOT PERMITTED TO BE MOVED WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
8. SEE ARCHITECTURAL PLANS FOR ADA RELATED INSTALLATION DETAILS.
9. SEE STRUCTURAL FOOTING, TRUSS, AND JOIST ELEVATIONS AND DETAILS.
10. SEE HVAC PLANS FOR AREAS THAT ARE USED AS A RETURN AIR PLENUM. PROVIDE PLENUM RATED PIPE OR PIPE WRAP AS PER PROJECT'S PLUMBING SPECIFICATIONS.
11. SEE HVAC PLANS AND HVAC CONTRACTOR FOR FINAL LOCATION OF HVAC EQUIPMENT IN MECHANICAL / BOILER ROOMS TO COORDINATE FINAL LOCATIONS OF FLOOR / HUB / SITE DRAINS PRIOR TO INSTALLATION.
12. SEE PLUMBING ISOMETRIC SHEETS FOR PIPE SIZE AND LOAD INFORMATION NOT SHOWN ON FLOOR PLANS.
13. SLOPE ALL SANITARY AND STORM PIPING 3" AND LARGER AT 1/8"/FT UNLESS NOTED OTHERWISE.
14. SLOPE ALL SANITARY AND STORM PIPING 2" AND SMALLER AT 1/4"/FT UNLESS NOTED OTHERWISE.
15. SLOPE ALL SANITARY GREASE WASTE PIPING AT 1/4"/FT UNLESS NOTED OTHERWISE.
16. INSTALL CLEANOUTS AT STACKS WHICH PENETRATE THE LOWEST FLOOR LEVEL 30" A.F.F. UNLESS NOTED OTHERWISE.
17. PROVIDE ISOLATION BALL VALVES AND BALANCING VALVES TO ISOLATE COLD WATER, HOT WATER SUPPLY, AND HOT WATER RETURN BRANCH PIPING FROM ITS COLD WATER, HOT WATER SUPPLY AND HOT WATER RETURN MAIN PIPING FOR EACH PLUMBING FIXTURE OR ROOMS WITH MULTIPLE PLUMBING FIXTURES. ALL WATER SUPPLY PIPING SHALL BE FLUSHED AND HOT WATER PIPING SYSTEM BALANCED BY PLUMBING CONTRACTOR. SEE PLUMBING SPECIFICATIONS FOR MORE INFORMATION.
18. INSTALL EXTERIOR HOSE BIBBS AT 18" A.F.F. UNLESS NOTED OTHERWISE.
19. INSTALL INTERIOR HOSE BIBBS AT 36" A.F.F. UNLESS NOTED OTHERWISE.
20. INSTALL DOWN SPOUT NOZZLES AT 18" A.F.F. UNLESS NOTED OTHERWISE.

PLUMBING SHEET INDEX

P0.00	GENERAL NOTES	Plumbing
P0.0	OVERALL FOUNDATION DEMOLITION PLAN	Plumbing
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P0.0C	UNIT C - FOUNDATION DEMO PLAN	Plumbing
P0.0F	UNIT F - FOUNDATION DEMO PLAN	Plumbing
P0.1	OVERALL FIRST FLOOR DEMOLITION PLAN	Plumbing
P0.1B	UNIT B - FIRST FLOOR DEMO PLAN	Plumbing
P0.1C	UNIT C - FIRST FLOOR DEMO PLAN	Plumbing
P0.1F	UNIT F - FIRST FLOOR DEMO PLAN	Plumbing
P1.0	OVERALL FOUNDATION PLAN	Plumbing
P1.0B	UNIT B - FOUNDATION PLAN	Plumbing
P1.0C	UNIT C - FOUNDATION PLAN	Plumbing
P1.0F	UNIT F - FOUNDATION PLAN	Plumbing
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P1.1B	UNIT B - FIRST FLOOR PLAN	Plumbing
P1.1C	UNIT C - FIRST FLOOR PLAN	Plumbing
P1.1F	UNIT F - FIRST FLOOR PLAN	Plumbing
P1.2F	UNIT F - MEZZANINE PLAN	Plumbing
P1.3	OVERALL ROOF PLAN	Plumbing
P1.3B	UNIT B - ROOF PLAN	Plumbing
P1.3F	UNIT F - ROOF PLAN	Plumbing
P2.0	ENLARGED VIEWS	Plumbing
P2.1	ENLARGED VIEWS	Plumbing
P2.2	ENLARGED VIEWS	Plumbing
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P3.0C	DWV ISOMETRIC	Plumbing
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P3.0F2	DWV ISOMETRIC	Plumbing
P3.1B	WATER ISOMETRIC	Plumbing
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P3.1F1	WATER ISOMETRIC	Plumbing
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P3.2B	STORM ISOMETRIC	Plumbing
P3.2F	STORM ISOMETRIC	Plumbing
P4.0	DETAILS	Plumbing
P4.1	DETAILS	Plumbing
P5.0	EQUIPMENT SCHEDULES	Plumbing
P5.1	FIXTURE SCHEDULES	Plumbing

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GENERAL NOTES

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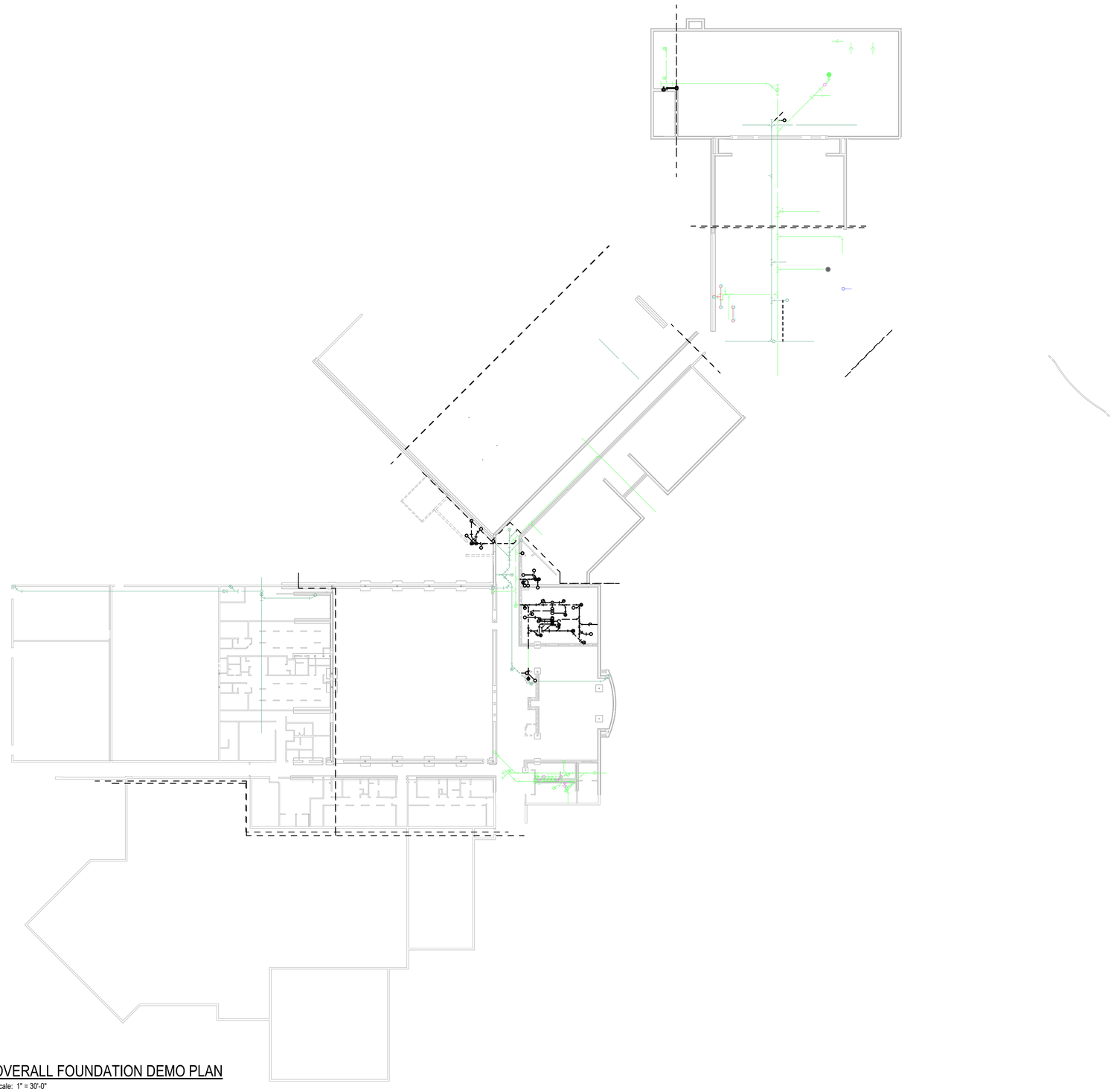
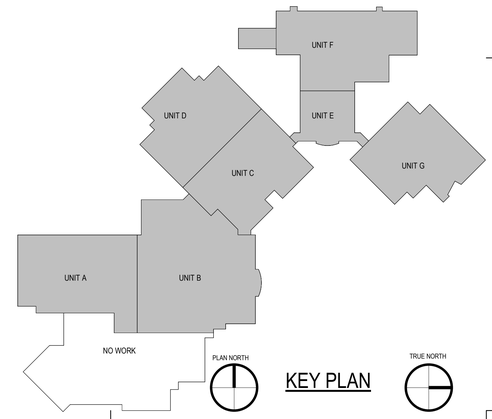
SHEET KEYNOTES



1 P0.0 OVERALL FOUNDATION DEMO PLAN
Scale: 1" = 30'-0"



KEY PLAN

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OVERALL FOUNDATION DEMOLITION PLAN

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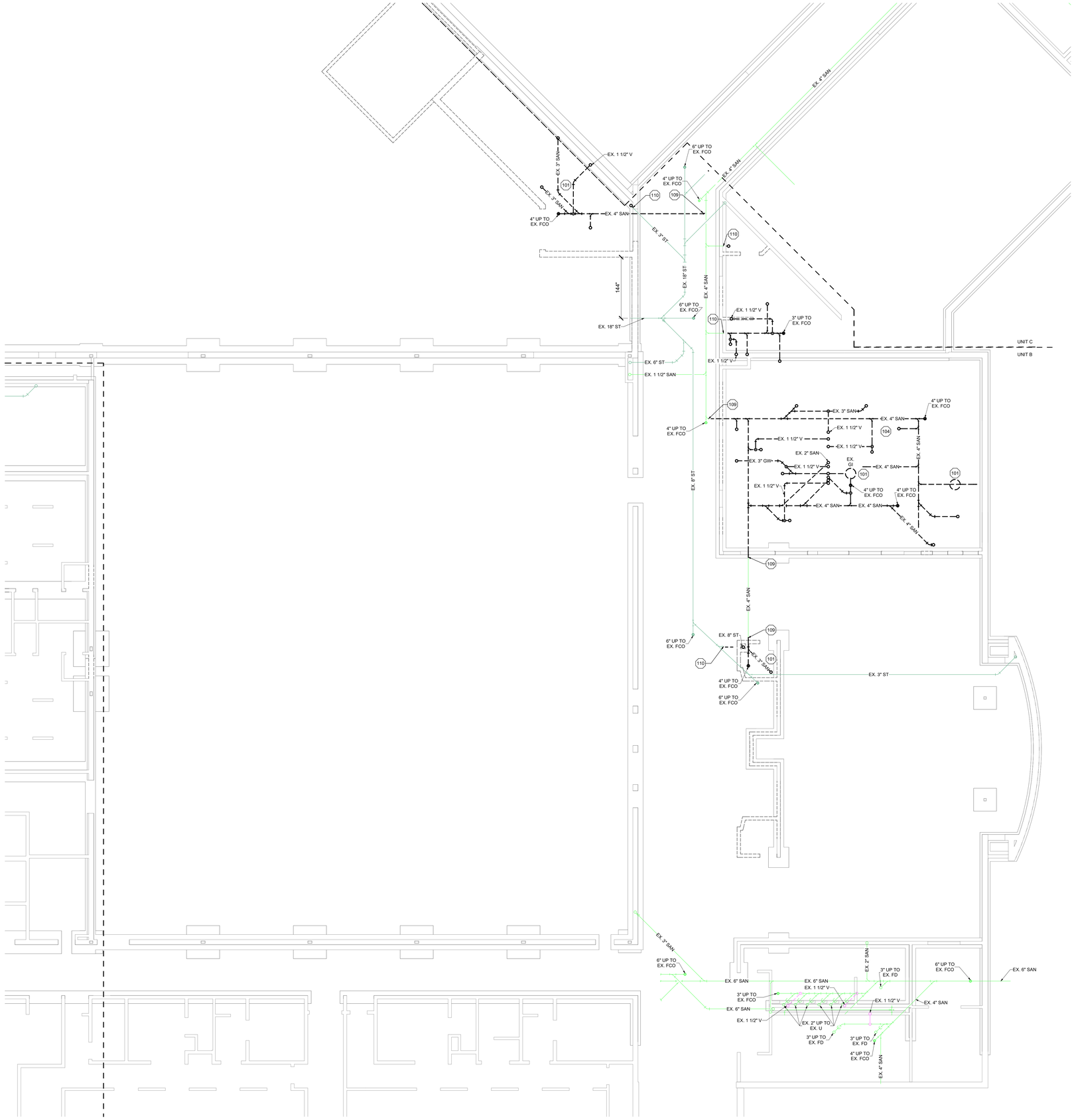
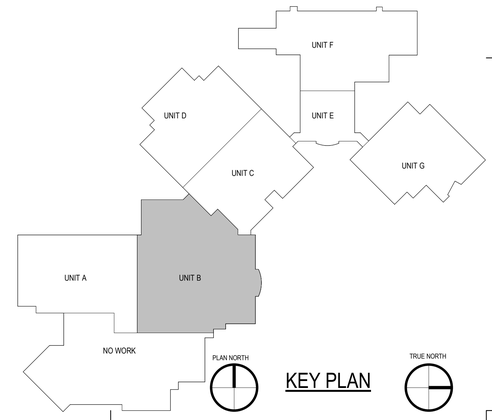


SHEET KEYNOTES

101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.
104	REMOVE AND SAVE EXISTING PLUMBING FIXTURE / EQUIPMENT. ASSOCIATED TRIM SHALL BE REMOVED AND DISPOSED OF. EXISTING WATER AND WASTE SUPPLY PIPING SHALL REMAIN FOR FUTURE RECONNECTION OF EXISTING PLUMBING FIXTURE AND NEW ASSOCIATED TRIM IN THE NEW CONSTRUCTION PHASE.
109	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND CAP.
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.

1 P0.0B FOUNDATION DEMO PLAN - UNIT B

Scale: 1/8" = 1'-0"



KEY PLAN

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UNIT B - FOUNDATION DEMO PLAN

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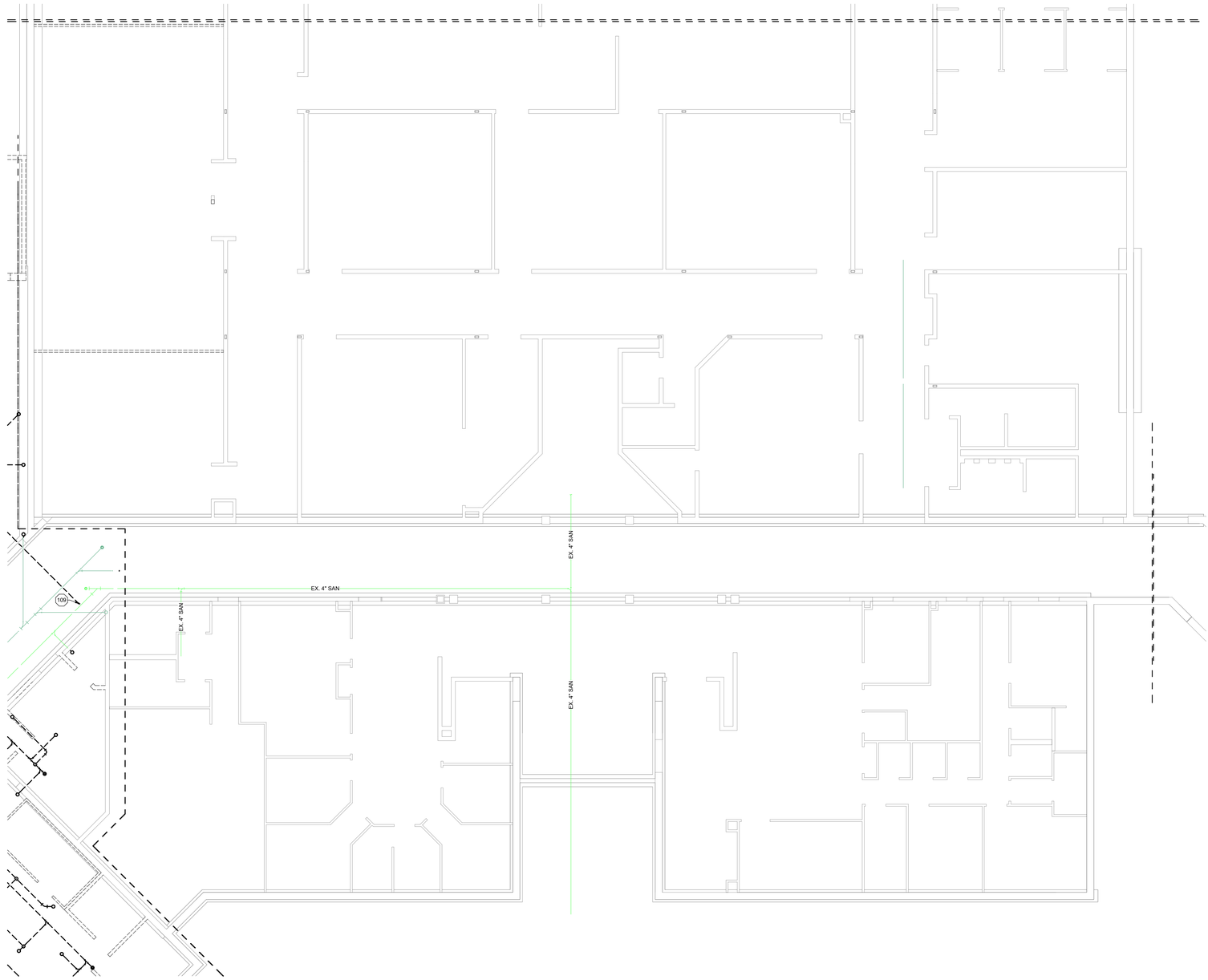
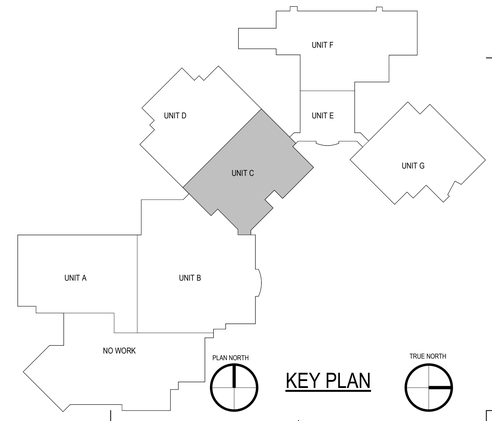
SHEET KEYNOTES

109	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND CAP.



1 P0.0C FOUNDATION DEMO PLAN - UNIT C
Scale: 1/8" = 1'-0"



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UNIT C - FOUNDATION DEMO PLAN

Sheet Number:
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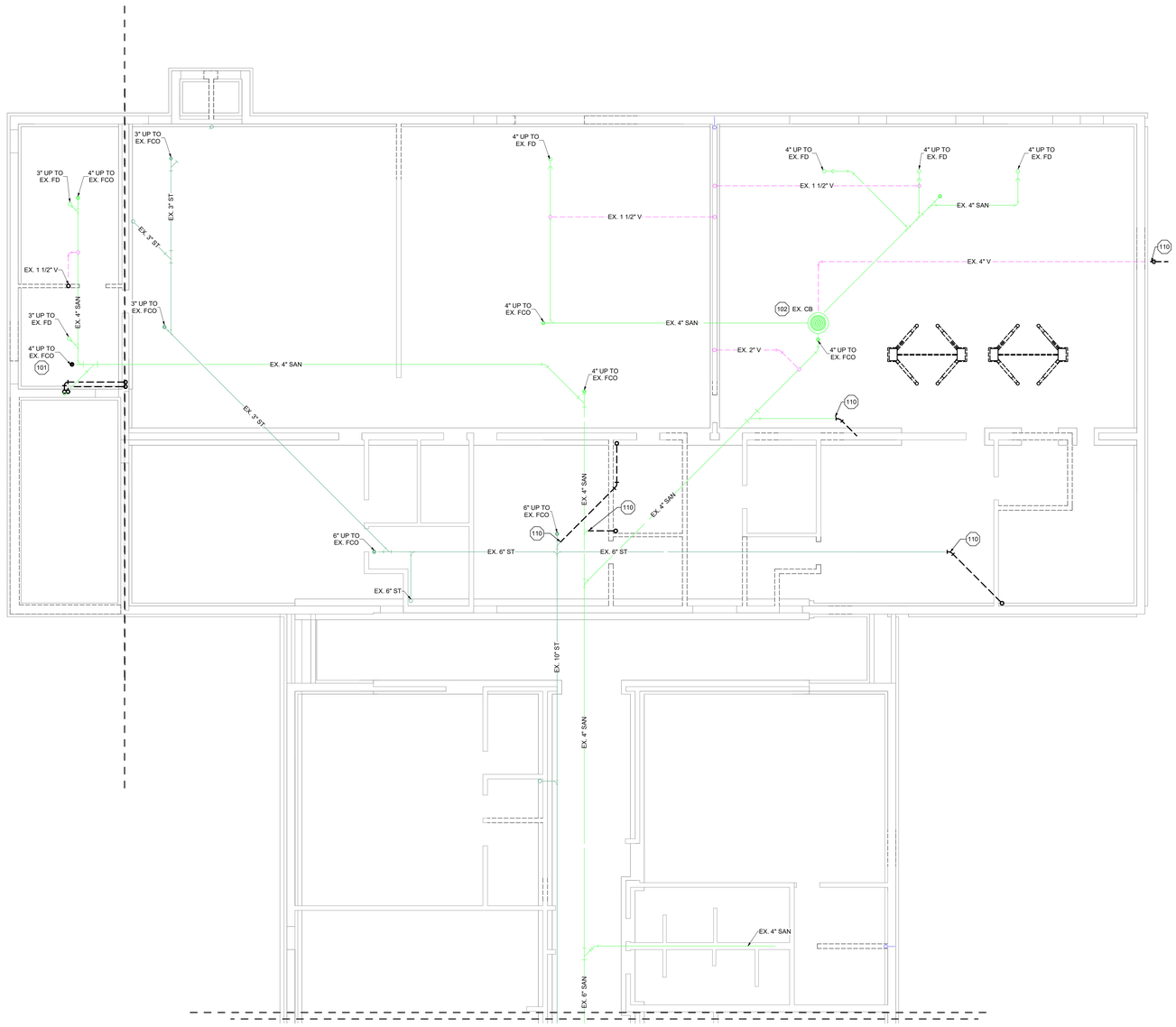
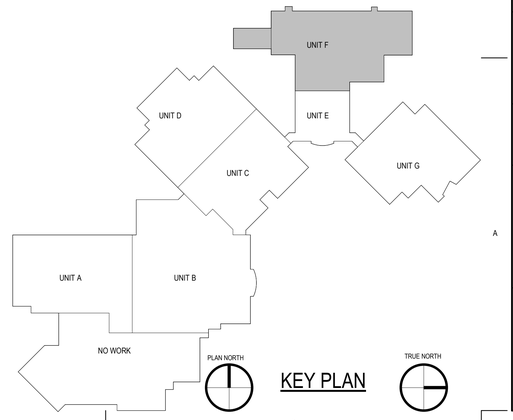
SHEET KEYNOTES

101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.
102	EXISTING PLUMBING FIXTURE / EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION. ENSURE PROPER OPERATION OF FIXTURE / EQUIPMENT BEFORE COMPLETION OF PROJECT.
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.



1 P0.0F FOUNDATION DEMO PLAN - UNIT F
Scale: 1/8" = 1'-0"



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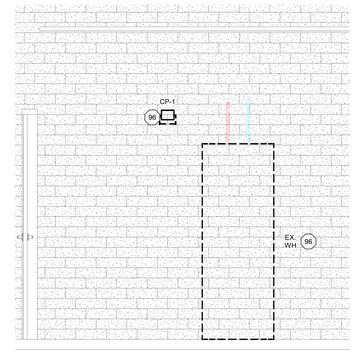
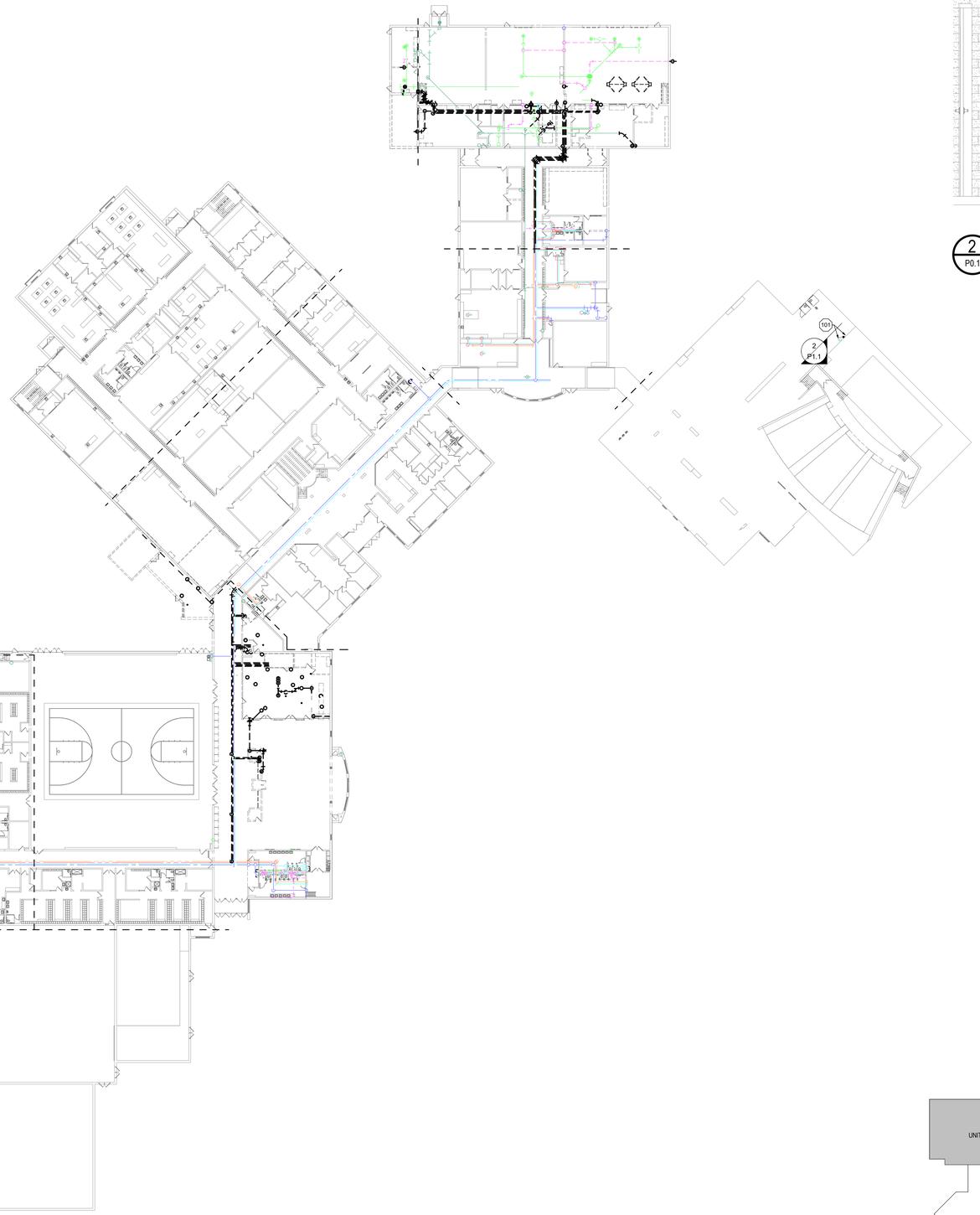
SHEET KEYNOTES

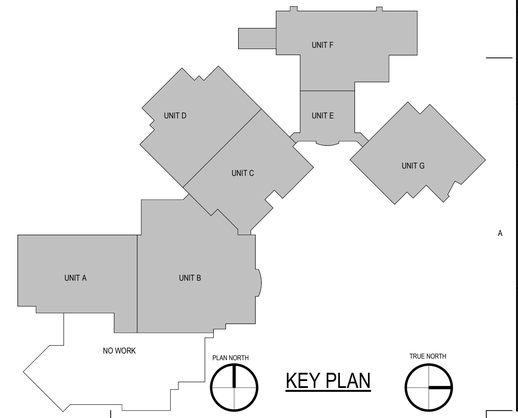
96	REMOVE AND DISPOSE OF EXISTING WATER HEATER AND CIRCULATING PUMP. LEAVE EXISTING PIPING IN PLACE FOR FUTURE CONNECTION
101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.



2 P0.1 EXISTING WATER HEATER ELEVATION
Scale: Not To Scale



1 P0.1 OVERALL FIRST FLOOR DEMO PLAN
Scale: 1" = 30'-0"



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OVERALL FIRST FLOOR DEMOLITION PLAN

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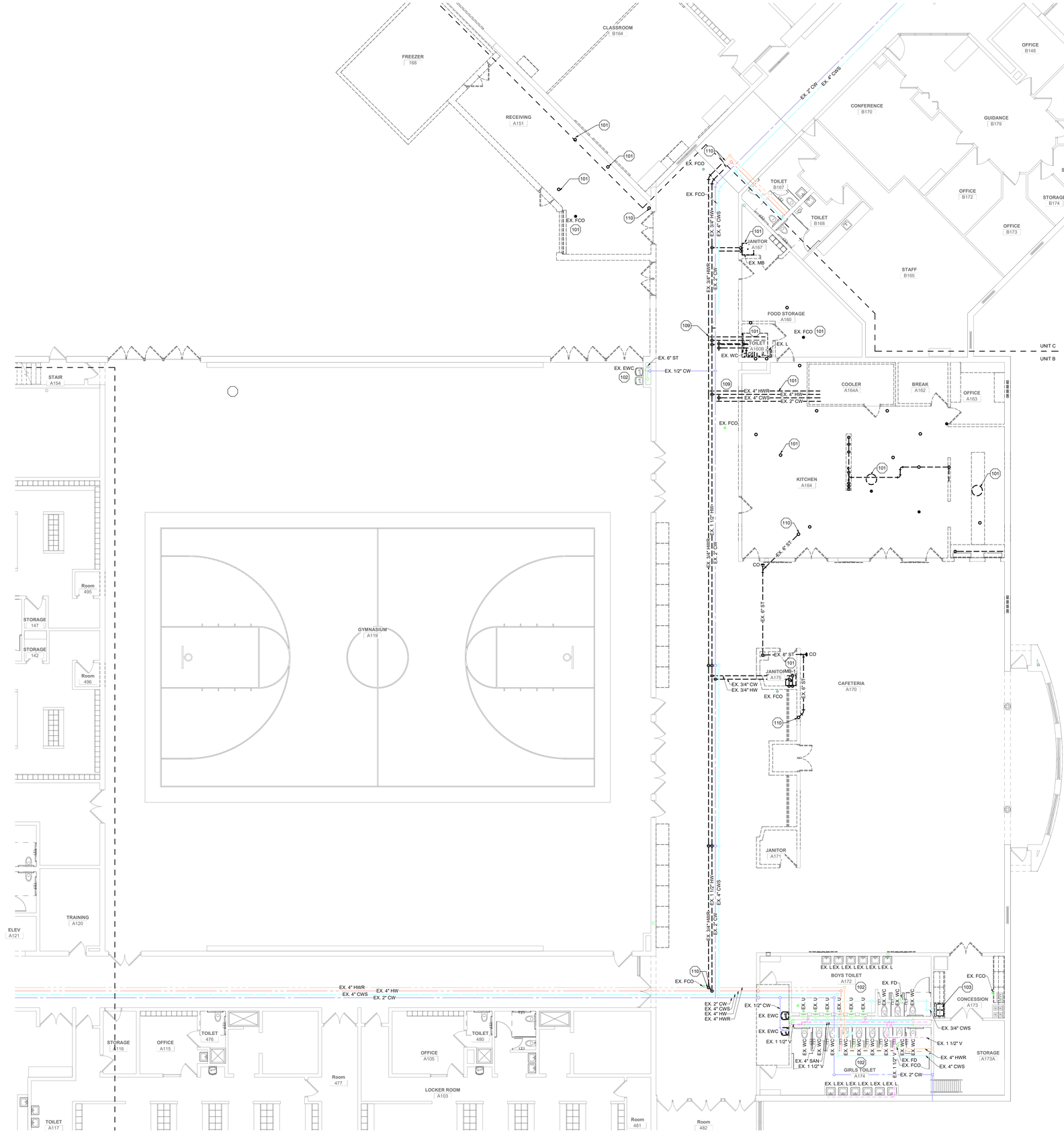
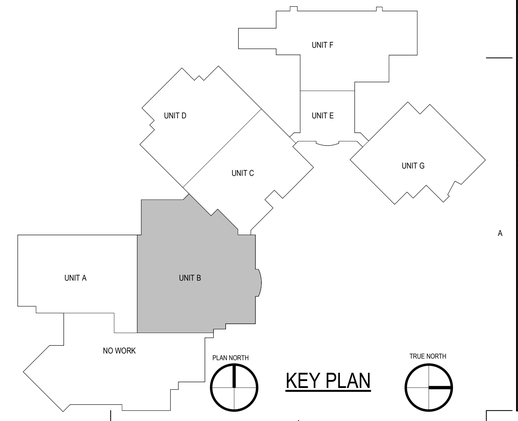
SHEET KEYNOTES

101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.
102	EXISTING PLUMBING FIXTURE / EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION. ENSURE PROPER OPERATION OF FIXTURE / EQUIPMENT BEFORE COMPLETION OF PROJECT.
103	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT AND ASSOCIATED TRIM. EXISTING WATER AND WASTE SUPPLY PIPING SHALL REMAIN FOR FUTURE CONNECTION OF NEW PLUMBING FIXTURE IN THE NEW CONSTRUCTION PHASE.
109	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND CAP.
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.





KEY PLAN

1 P0.1B FIRST FLOOR DEMO PLAN - UNIT B

Scale: 1/8" = 1'-0"

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UNIT B - FIRST FLOOR DEMO PLAN

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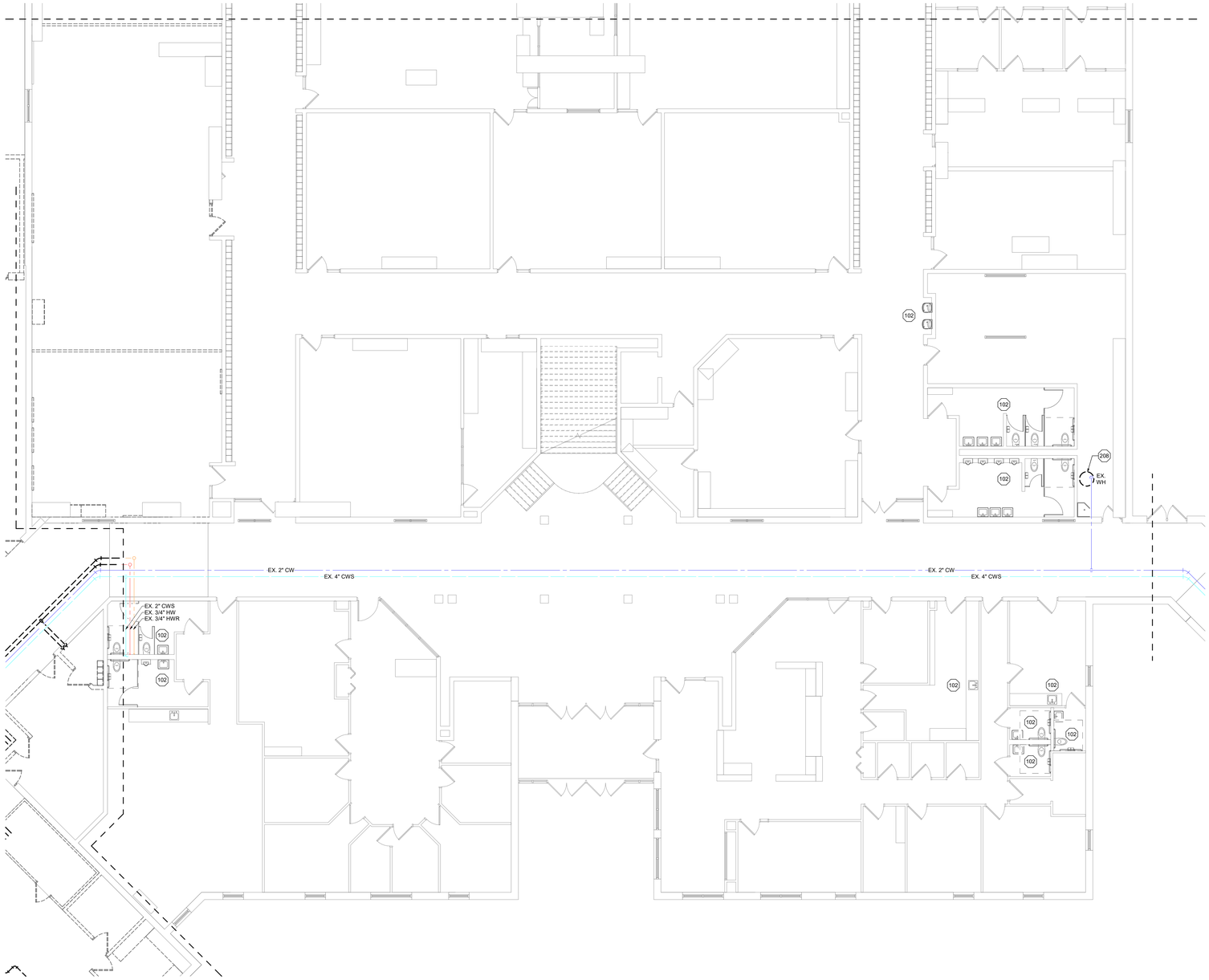
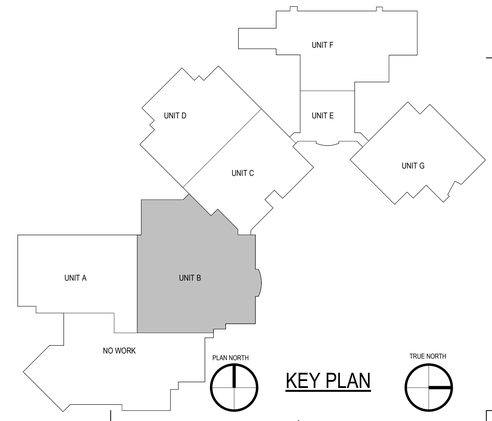
SHEET KEYNOTES

102	EXISTING PLUMBING FIXTURE / EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION. ENSURE PROPER OPERATION OF FIXTURE / EQUIPMENT BEFORE COMPLETION OF PROJECT.
208	EXISTING WATER HEATER TO BE REMOVED. CAP EXISTING HOT WATER AND HOT WATER RETURN PIPING FOR FURTURE CONNECTION FROM WATER HEATERS IN UNIT B MEZZANINE. REMOVE EXISTING COLD WATER TO WATER HEATER WHILE MAINTAINING COLD WATER FEED TO UNIT C.



1 P0.1C FIRST FLOOR DEMO PLAN - UNIT C
Scale: 1/8" = 1'-0"



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SHEET KEYNOTES

13	ROUTE PIPING IN FURRING WALL.
16	
101	REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE / EQUIPMENT. PLUG / CAP EXISTING PIPING BELOW / BEHIND / ABOVE SURFACE OF NEW FINISHED FLOOR / WALL / CEILING. THE EXISTING PIPING SHALL BE CAPPED BACK TO ITS ACTIVE MAIN OR BRANCH PIPING.
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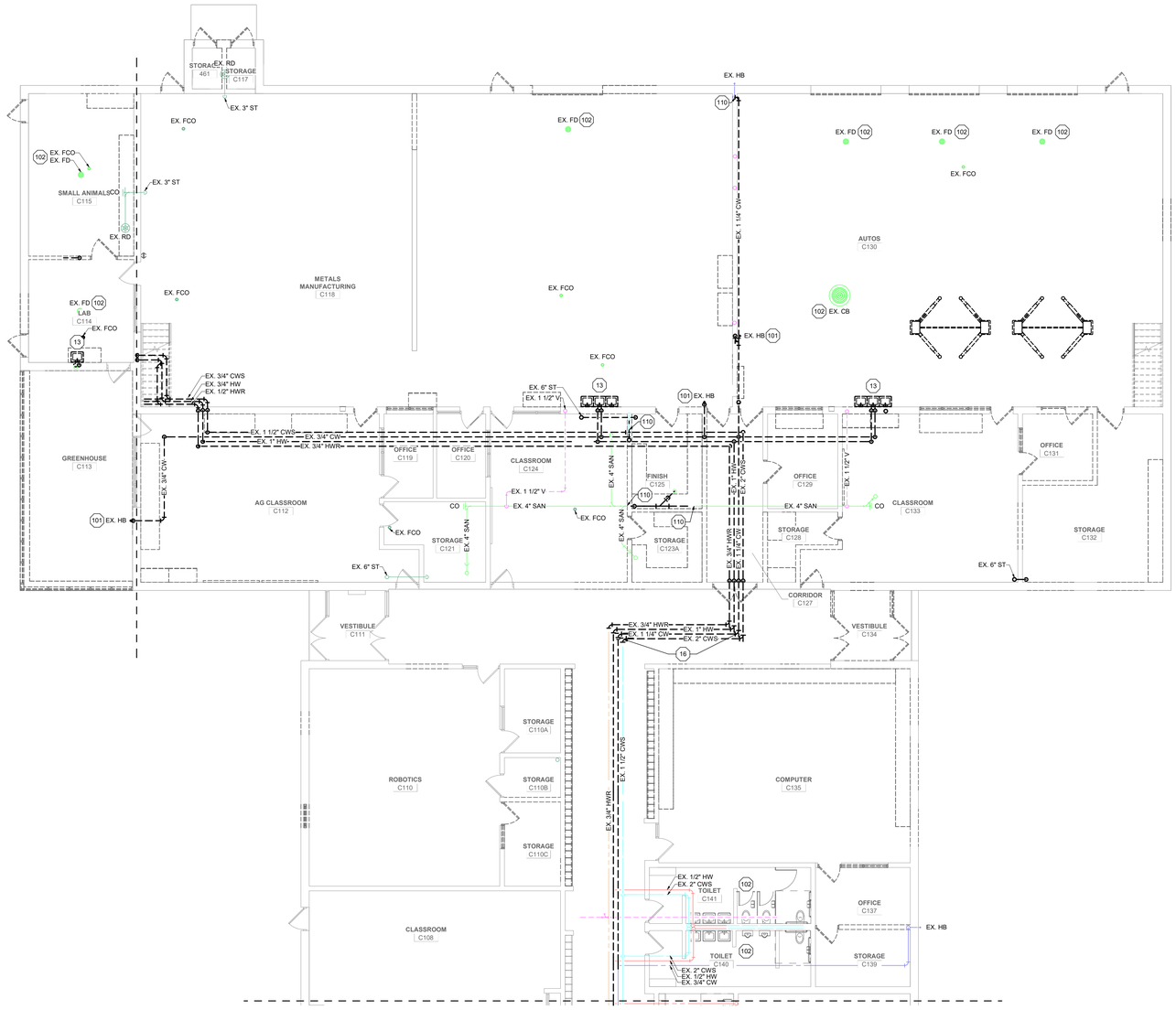
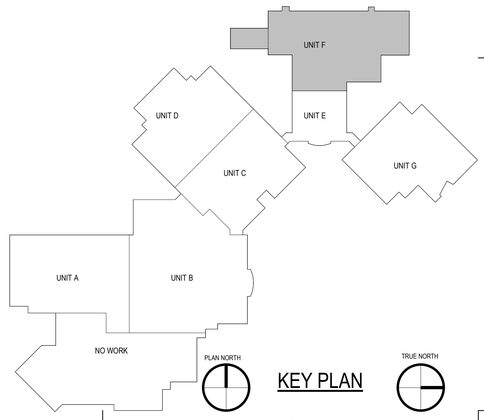
110	REMOVE AND DISPOSE OF EXISTING PIPING BACK TO THIS LOCATION AND TEMPORARILY CAP FOR REUSE DURING NEW CONSTRUCTION PHASE.



1 / P0.1F — FIRST FLOOR DEMO PLAN - UNIT F

Scale: 1/8" = 1'-0"



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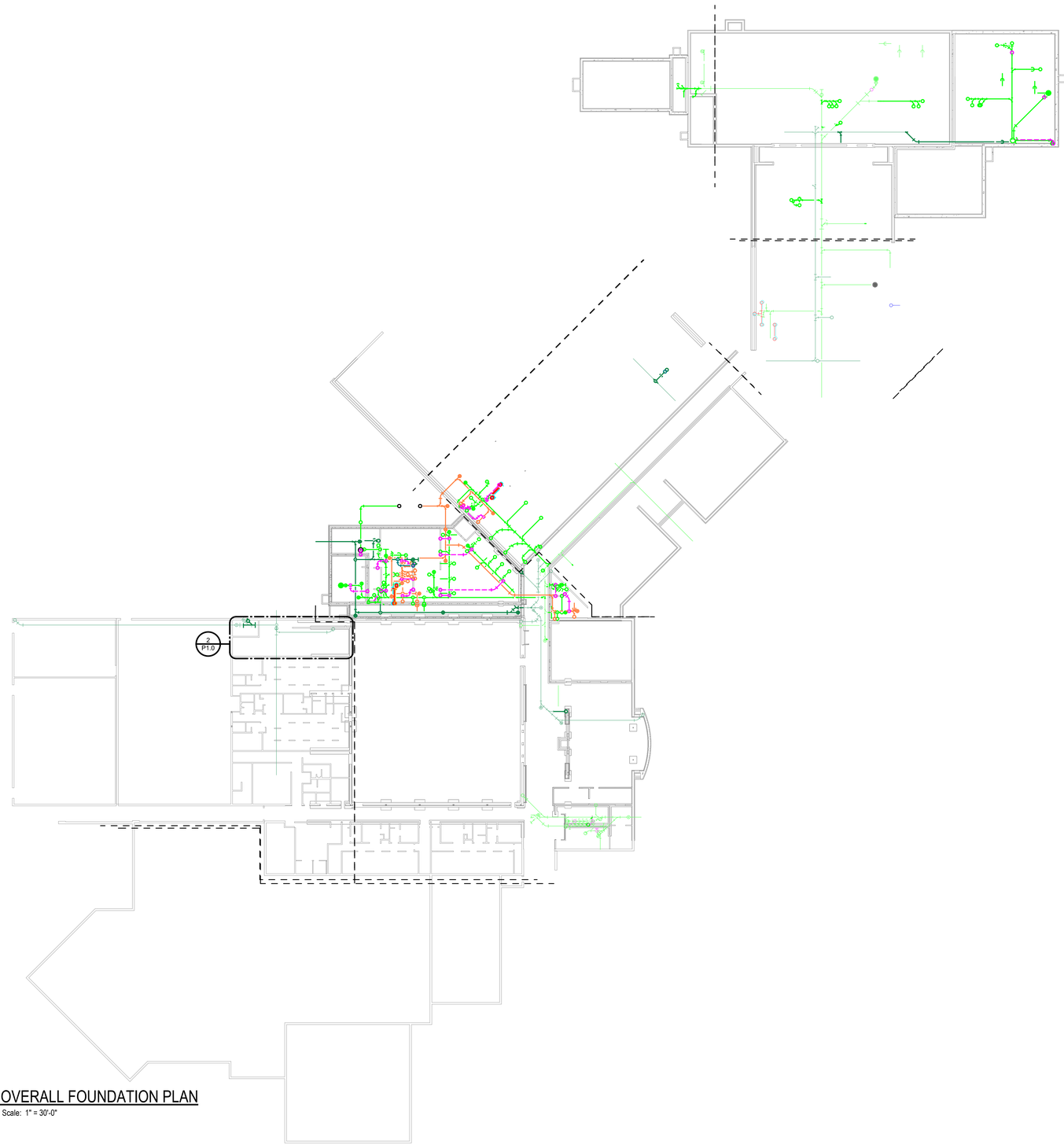
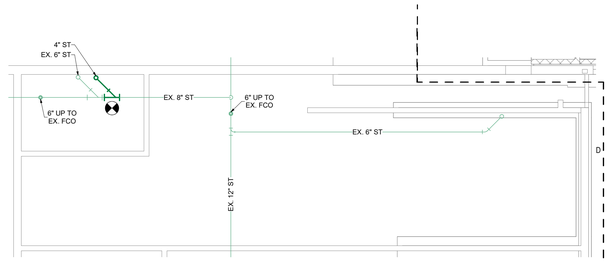
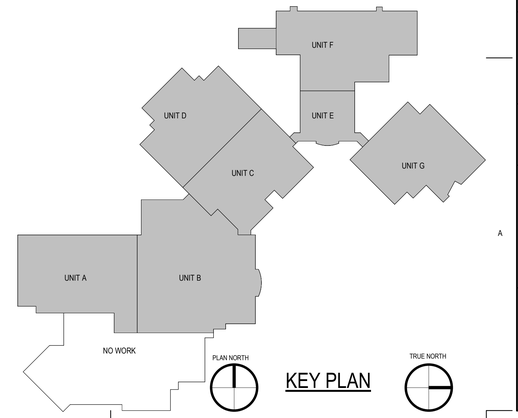


1 P1.0 OVERALL FOUNDATION PLAN
Scale: 1" = 30'-0"



2 P1.0 FIRST FLOOR - UNIT A - ENLARGED VIEW
Scale: 1/8" = 1'-0"



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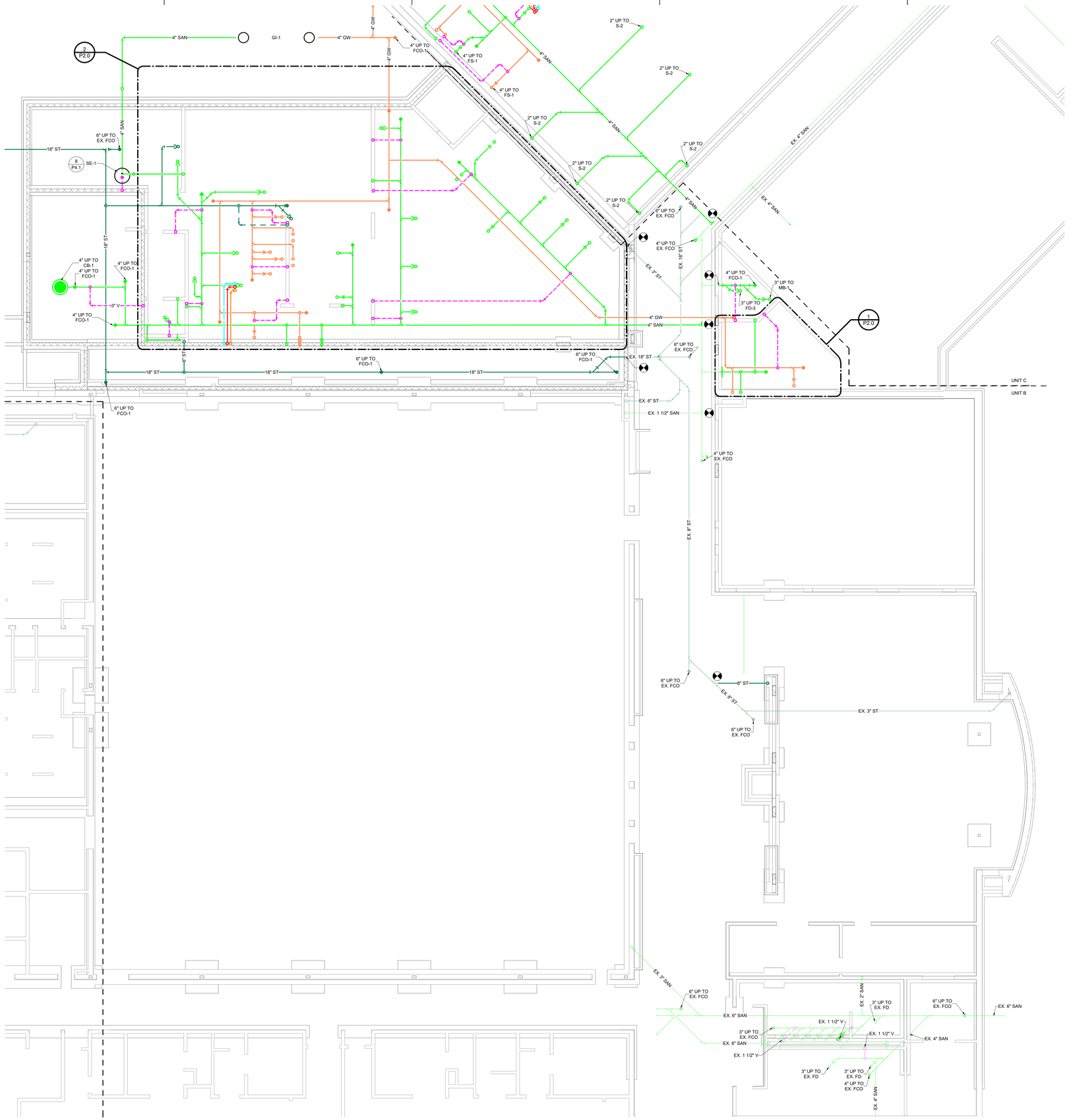
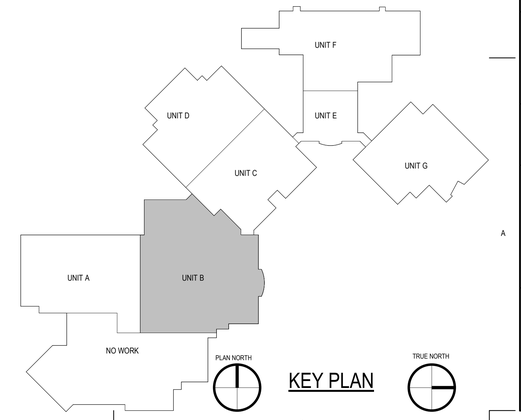


1 P1.0B FOUNDATION PLAN - UNIT B
Scale: 1/8" = 1'-0"



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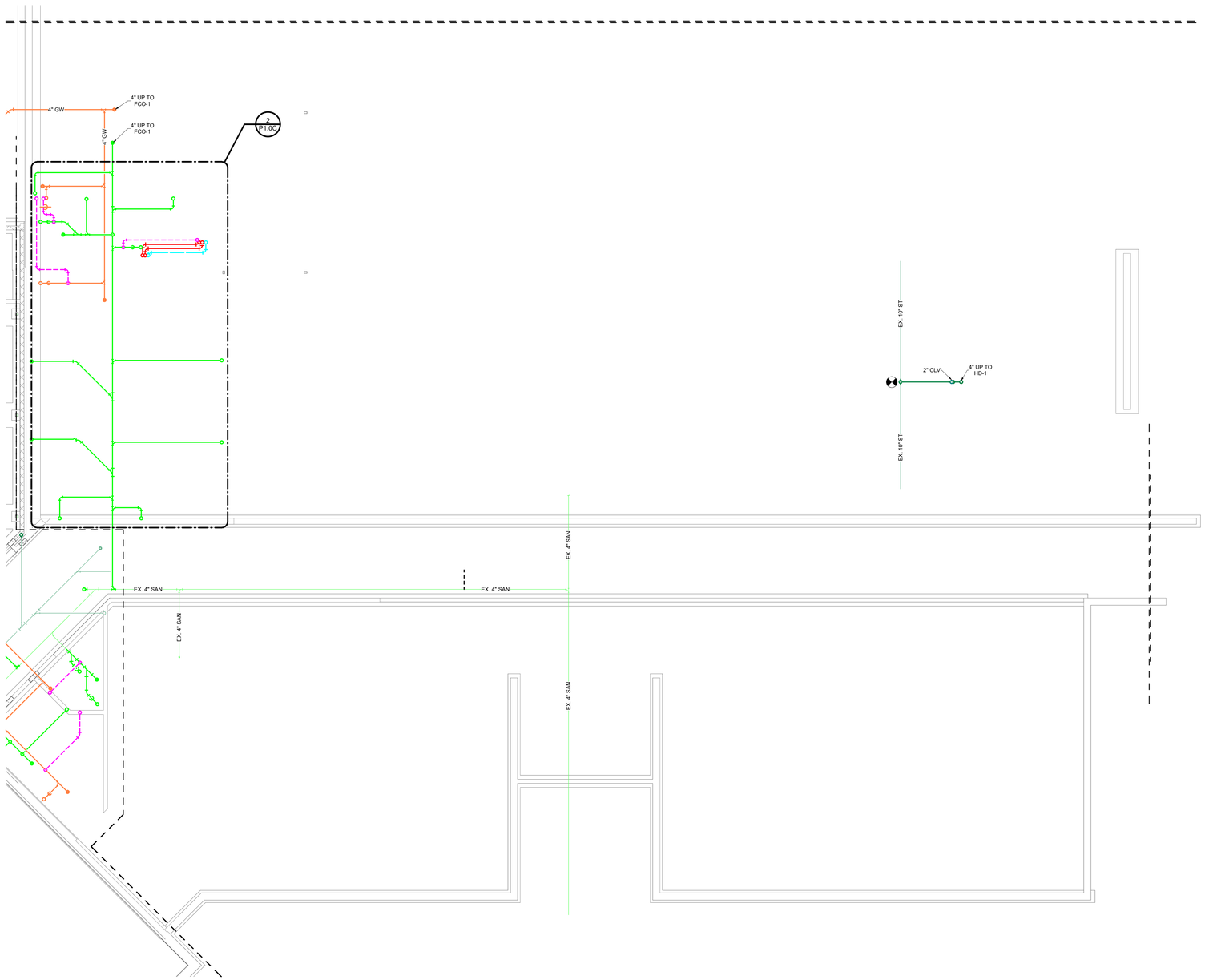
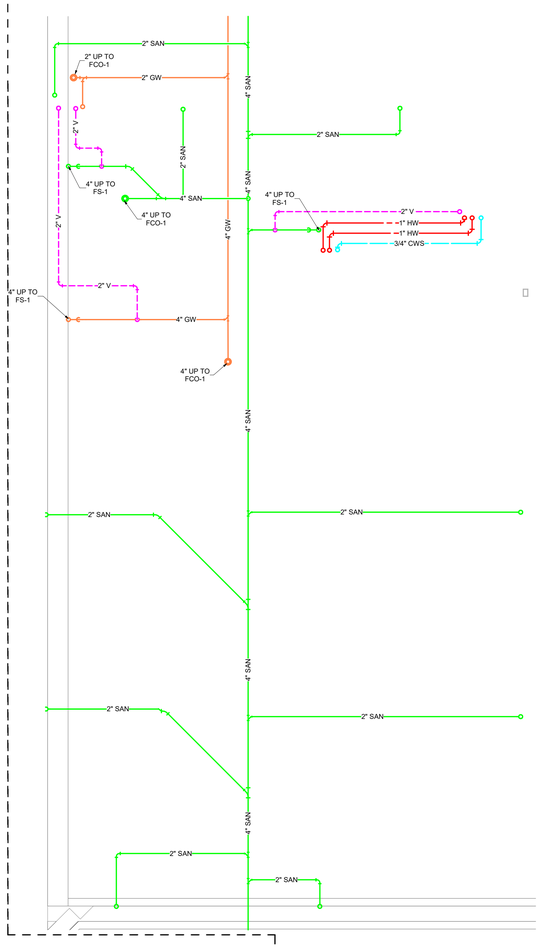
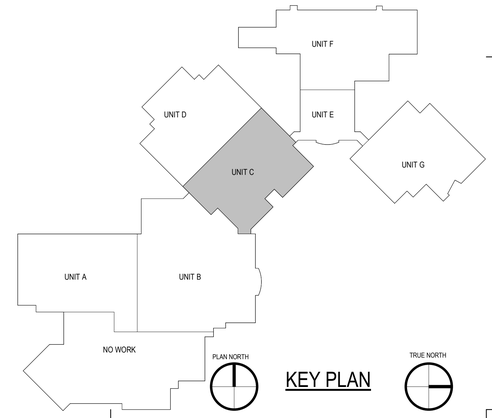


1 P1.0C FOUNDATION PLAN - UNIT C
Scale: 1/8" = 1'-0"



2 P1.0C FOUNDATION ENLARGED VIEW - FCS LAB
Scale: 1/4" = 1'-0"



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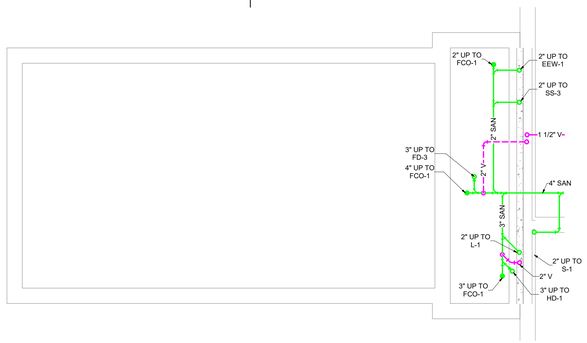
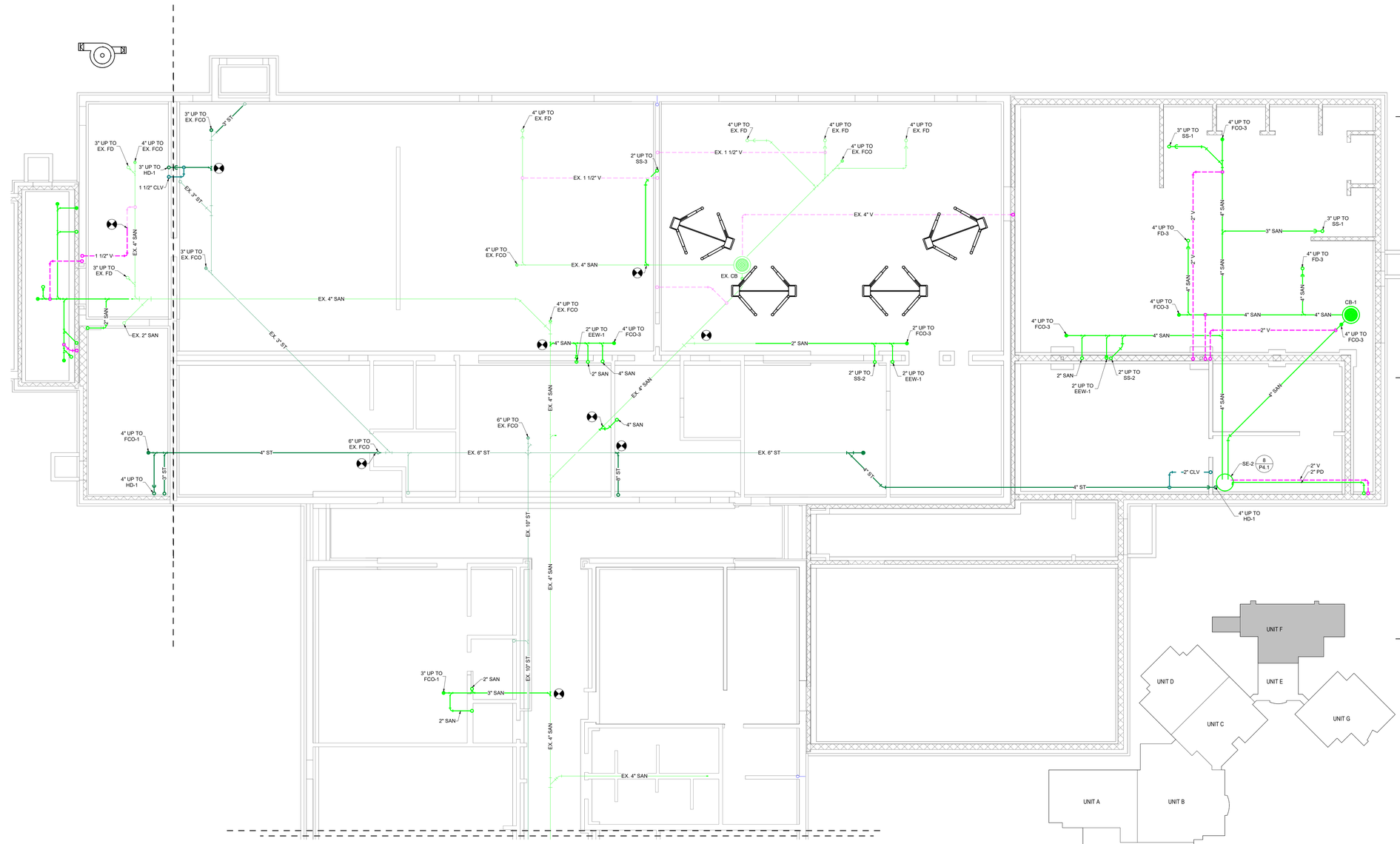


2 P1.0F FIRST FLOOR - UNIT F - GREENHOUSE FOUNDATION
Scale: 1/8" = 1'-0"



1 P1.0F FOUNDATION PLAN - UNIT F
Scale: 1/8" = 1'-0"

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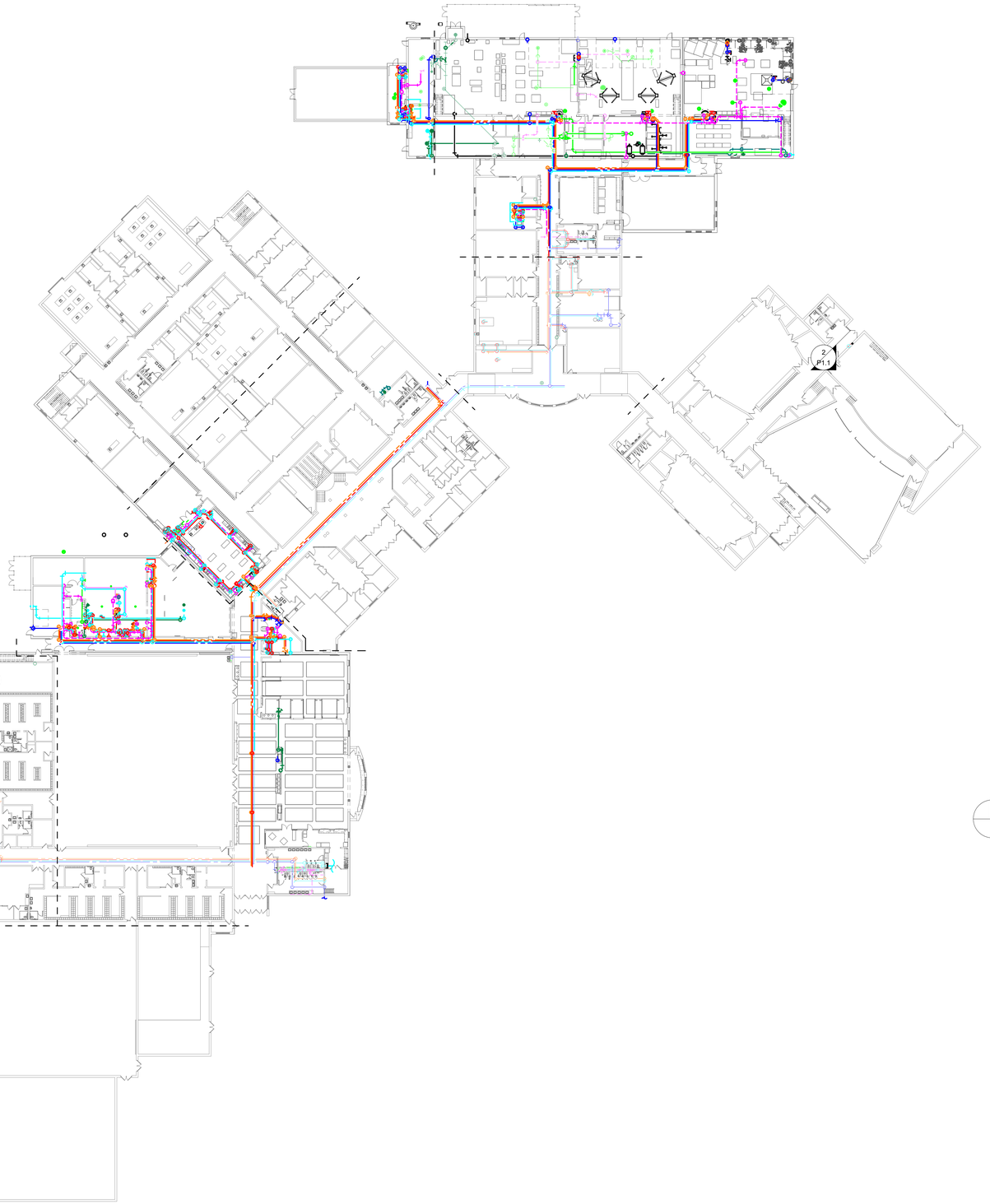
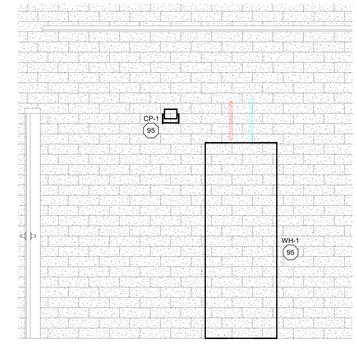
SHEET KEYNOTES

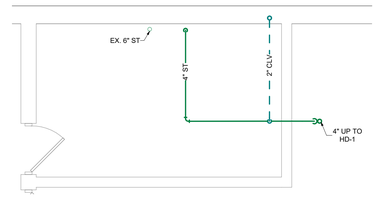
95	CONNECT NEW WATER HEATER AND CIRCULATING PUMP INTO EXISTING PIPING.



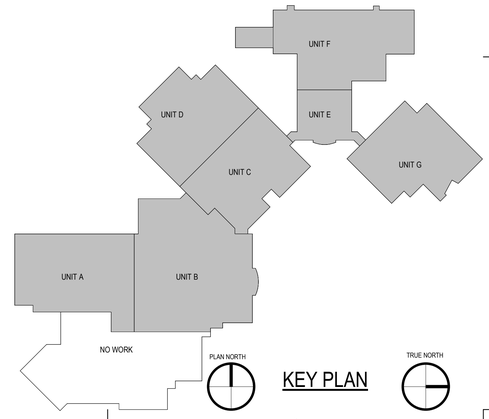
1 P1.1 FIRST FLOOR PLAN - OVERALL
Scale: 1" = 30'-0"



2 P1.1 NEW WATER HEATER ELEVATION
Scale: Not To Scale



3 P1.1 FIRST FLOOR PLAN - UNIT A - ENLARGED PLAN
Scale: 1/4" = 1'-0"



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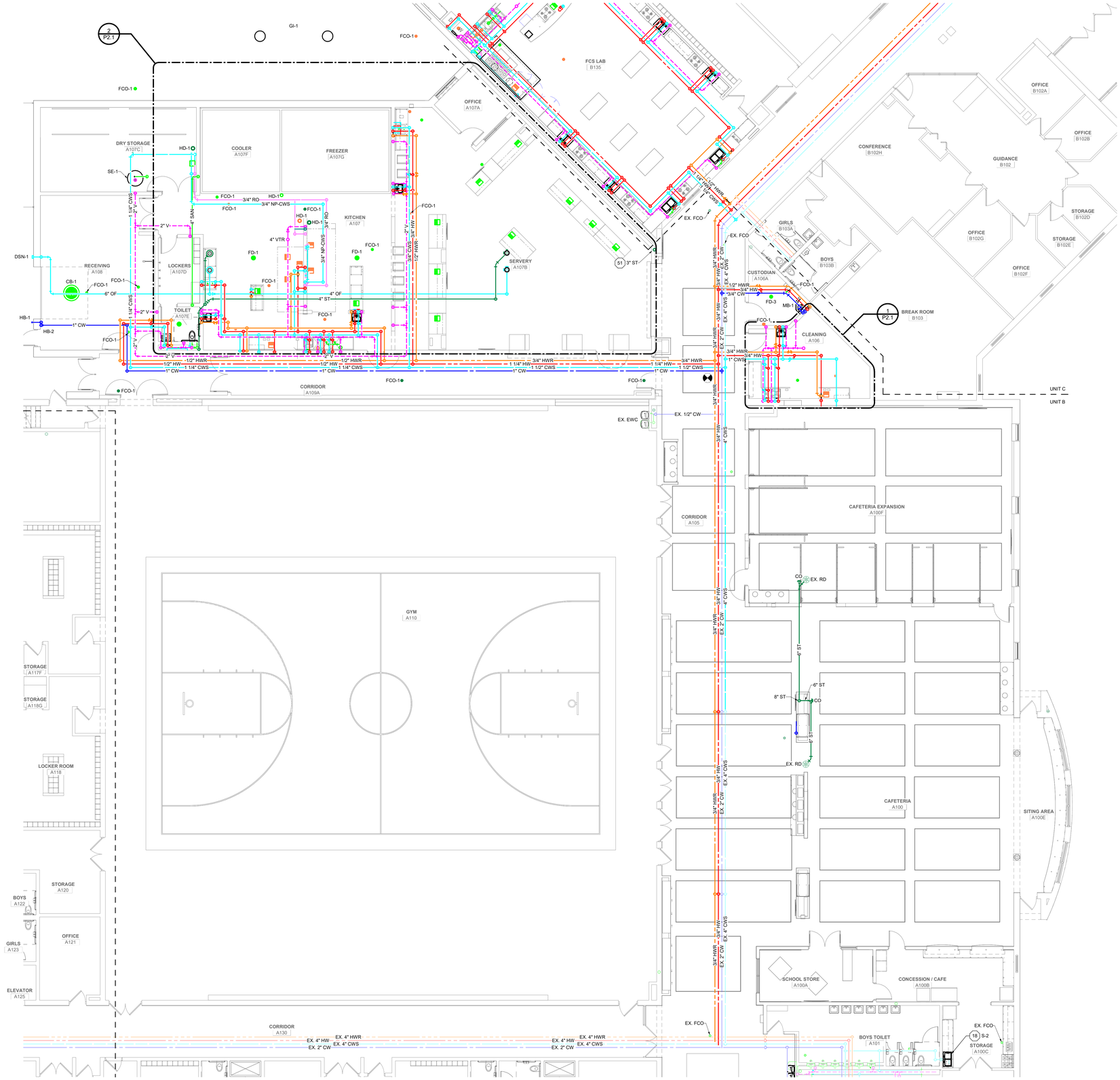
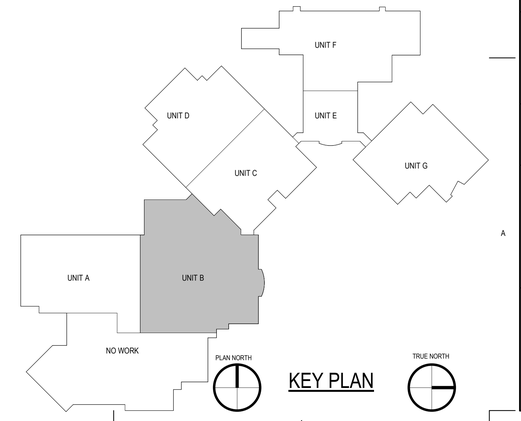
SHEET KEYNOTES

18	CONNECT NEW / EXISTING PLUMBING FIXTURE / EQUIPMENT AND ASSOCIATED TRIM TO EXISTING WATER AND WASTE SUPPLY PIPING. MODIFY EXISTING PIPING AS REQUIRED PER NEW ROUGH-IN INSTALLATION REQUIREMENTS.
51	ROUTE NEW STORM PIPING DOWN IN NEW WALL. CONNECT TO EXISTING STORM PIPING BELOW GRADE.



1 P1.1B **FIRST FLOOR - UNIT B**
Scale: 1/8" = 1'-0"



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UNIT B - FIRST FLOOR PLAN

Sheet Number:
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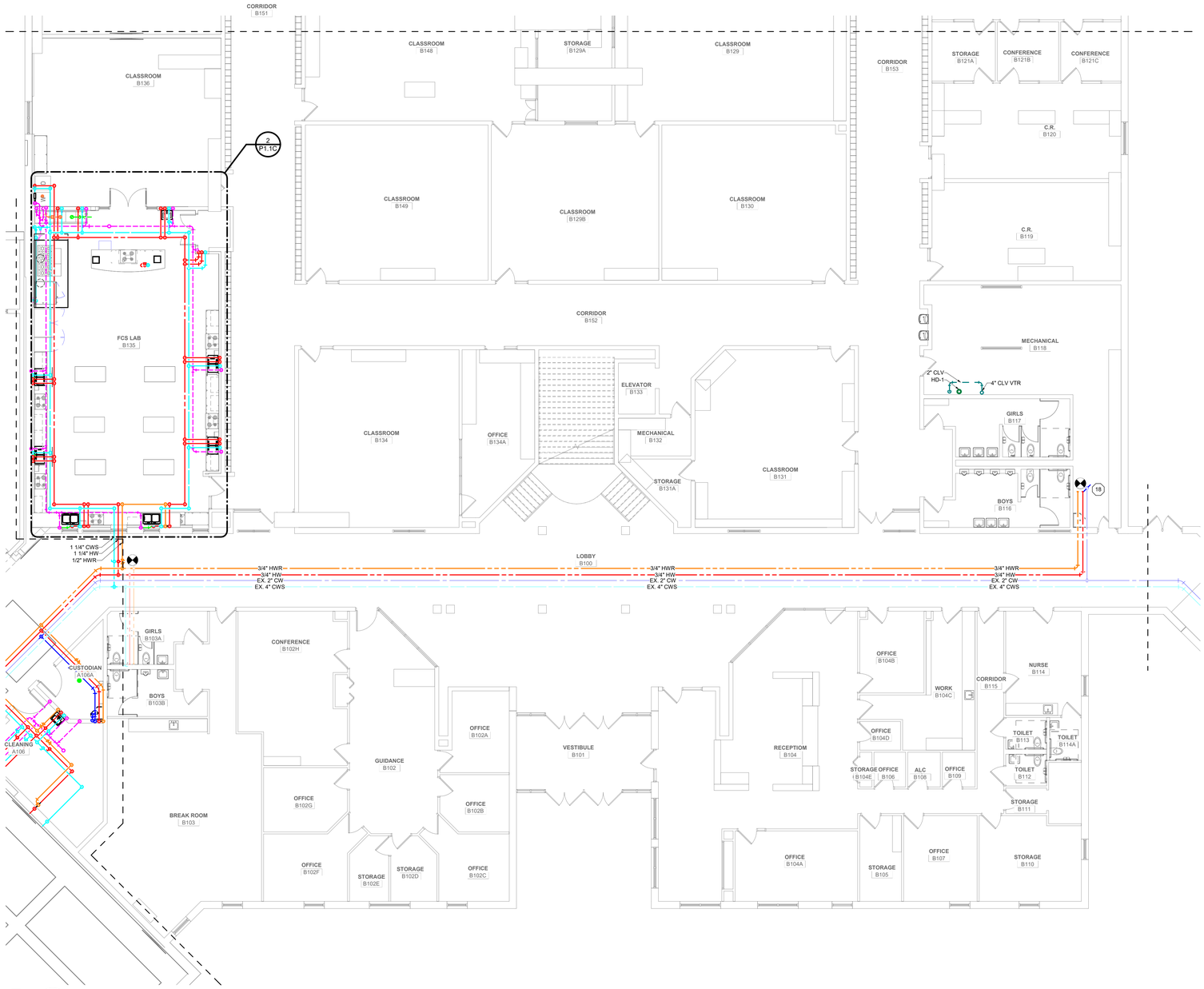
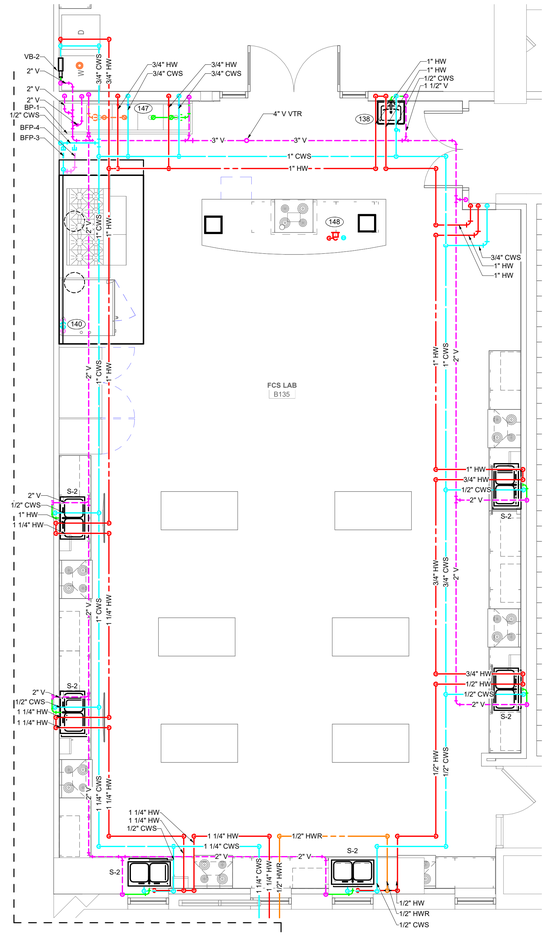
SHEET KEYNOTES

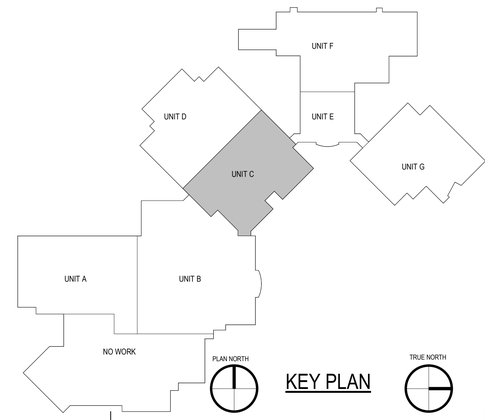
18	CONNECT NEW / EXISTING PLUMBING FIXTURE / EQUIPMENT AND ASSOCIATED TRIM TO EXISTING WATER AND WASTE SUPPLY PIPING. MODIFY EXISTING PIPING AS REQUIRED PER NEW ROUGH-IN INSTALLATION REQUIREMENTS.



1 P1.1C FIRST FLOOR PLAN- UNIT C
Scale: 1/8" = 1'-0"



2 P1.1C FIRST FLOOR ENLARGED PLAN - FCS LAB
Scale: 1/4" = 1'-0"



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UNIT C - FIRST FLOOR PLAN

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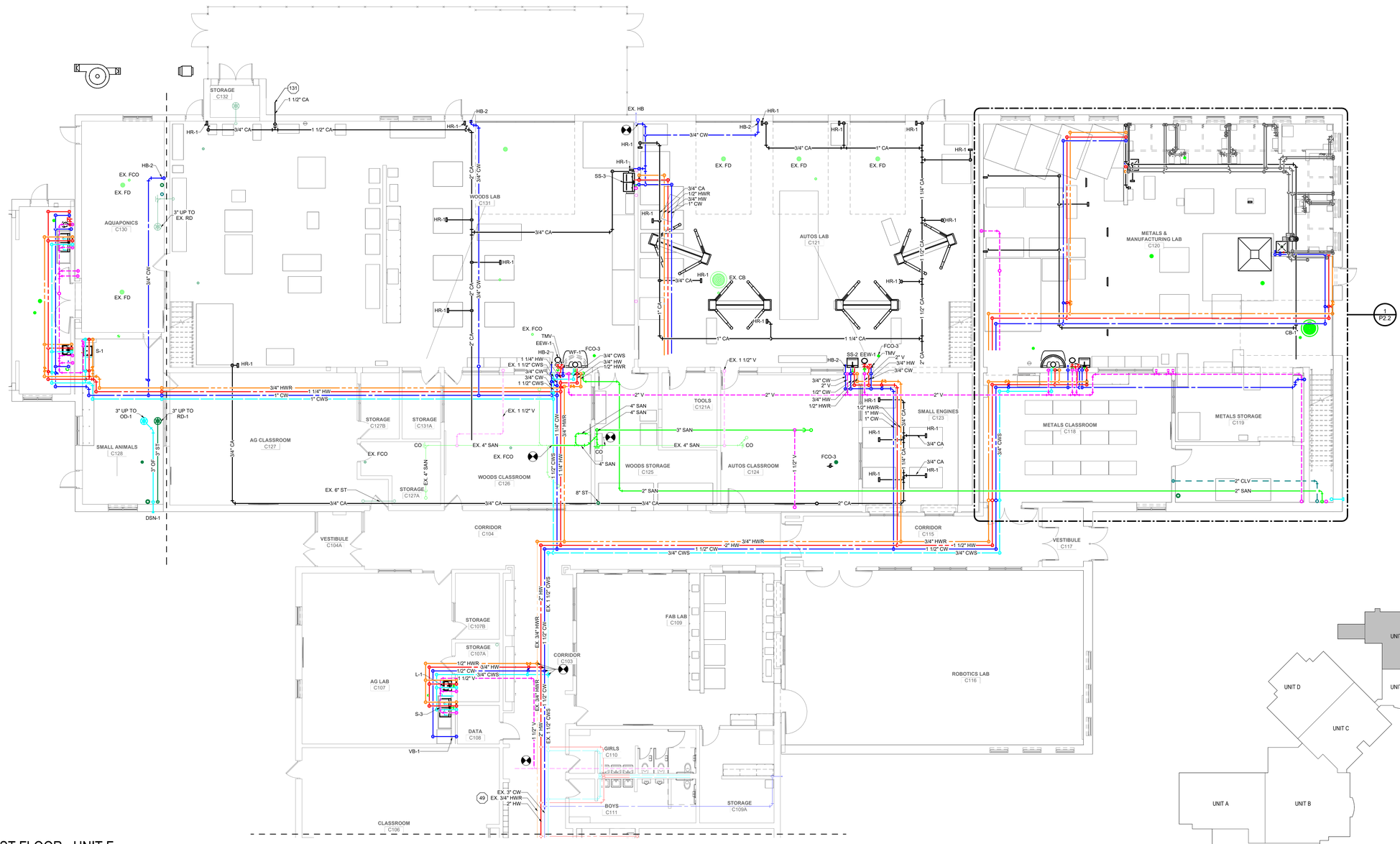
SHEET KEYNOTES

49	ROUTE NEW 2 INCH HW AND 1 1/2 INCH CW PIPING ALL THE WAY BACK TO UNIT E WATER SERVICE AND WATER HEATERS
131	EXTERIOR DUST COLLECTOR - EXTEND AND CONNECT COMPRESSED AIR PIPING FOR THE EXTERIOR DUST COLLECTOR, PROVIDED BY THE HVAC CONTRACTOR. ROUTE COMPRESSED AIR PIPING THROUGH INTERIOR AIR FILTER PRIOR TO THE PIPE EXITING THE BUILDING. AIR FILTER SHALL BE FURNISHED BY THE HVAC CONTRACTOR AND INSTALLED BY THE PLUMBING CONTRACTOR. PROVIDE GALVANIZED PIPE AND FITTINGS WITH HEAT TAPE OUTSIDE OF THE BUILDING. FIELD VERIFY OUTLET PRESSURE SETTING, CONNECTION TYPE, SIZE, AND LOCATION WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.



2 P1.1F FIRST FLOOR - UNIT F - GREENHOUSE
Scale: 1/8" = 1'-0"



1 P1.1F FIRST FLOOR - UNIT F
Scale: 1/8" = 1'-0"

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UNIT F - FIRST FLOOR PLAN

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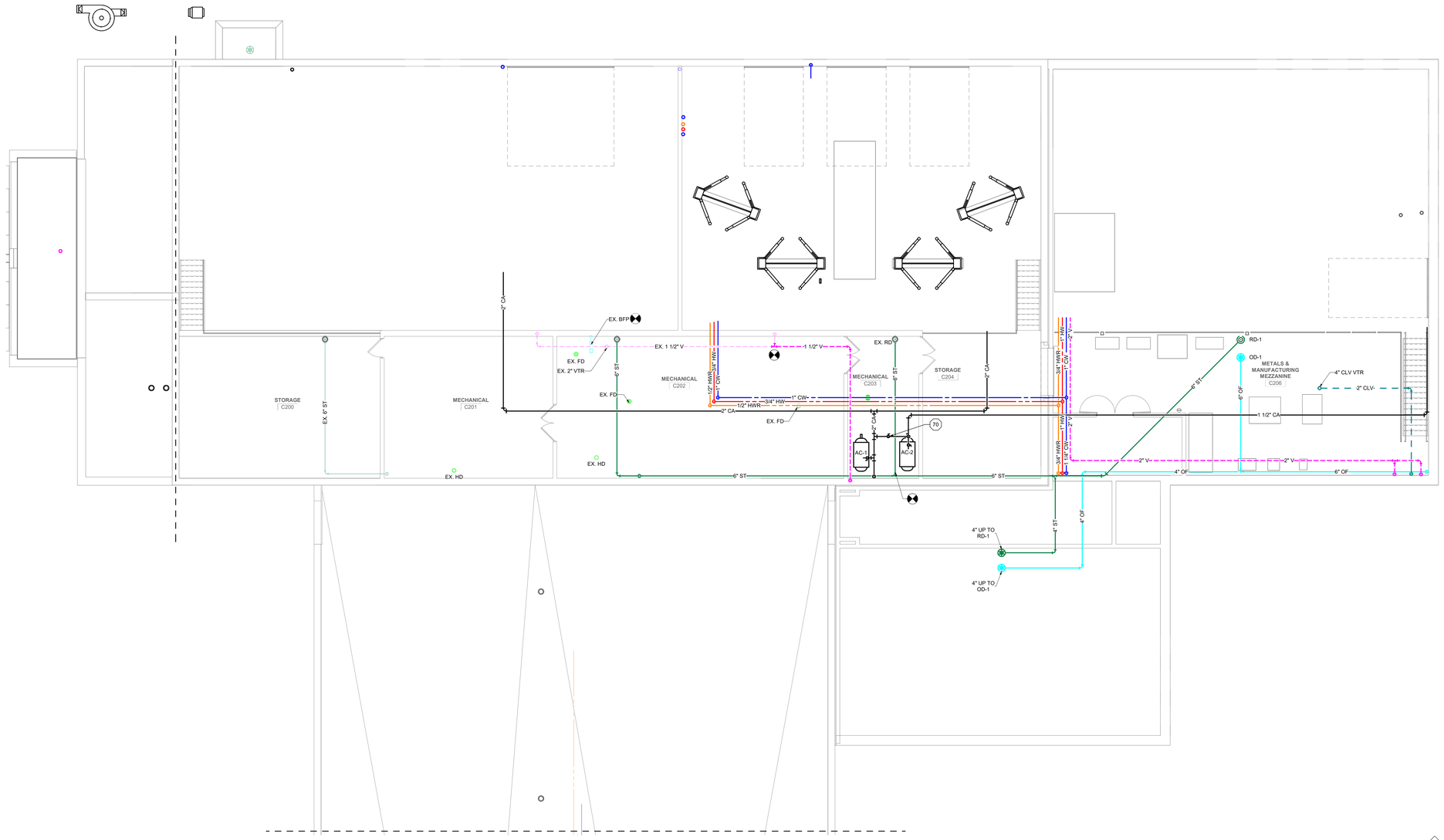
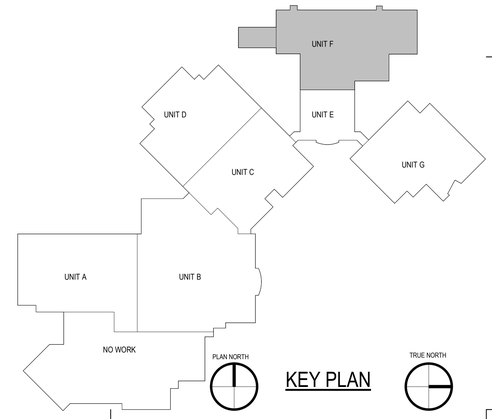
SHEET KEYNOTES

70	PROVIDE VALVED BYPASS BETWEEN AIR COMPRESSORS. PROVIDE ISOLATION VALVES FOR EACH COMPRESSOR TO ALLOW FOR ONE COMPRESSOR TO FEED BOTH SYSTEMS DURING MAINTENANCE.



1 P1.2F TECH ED - MEZZANINE
Scale: 1/8" = 1'-0"



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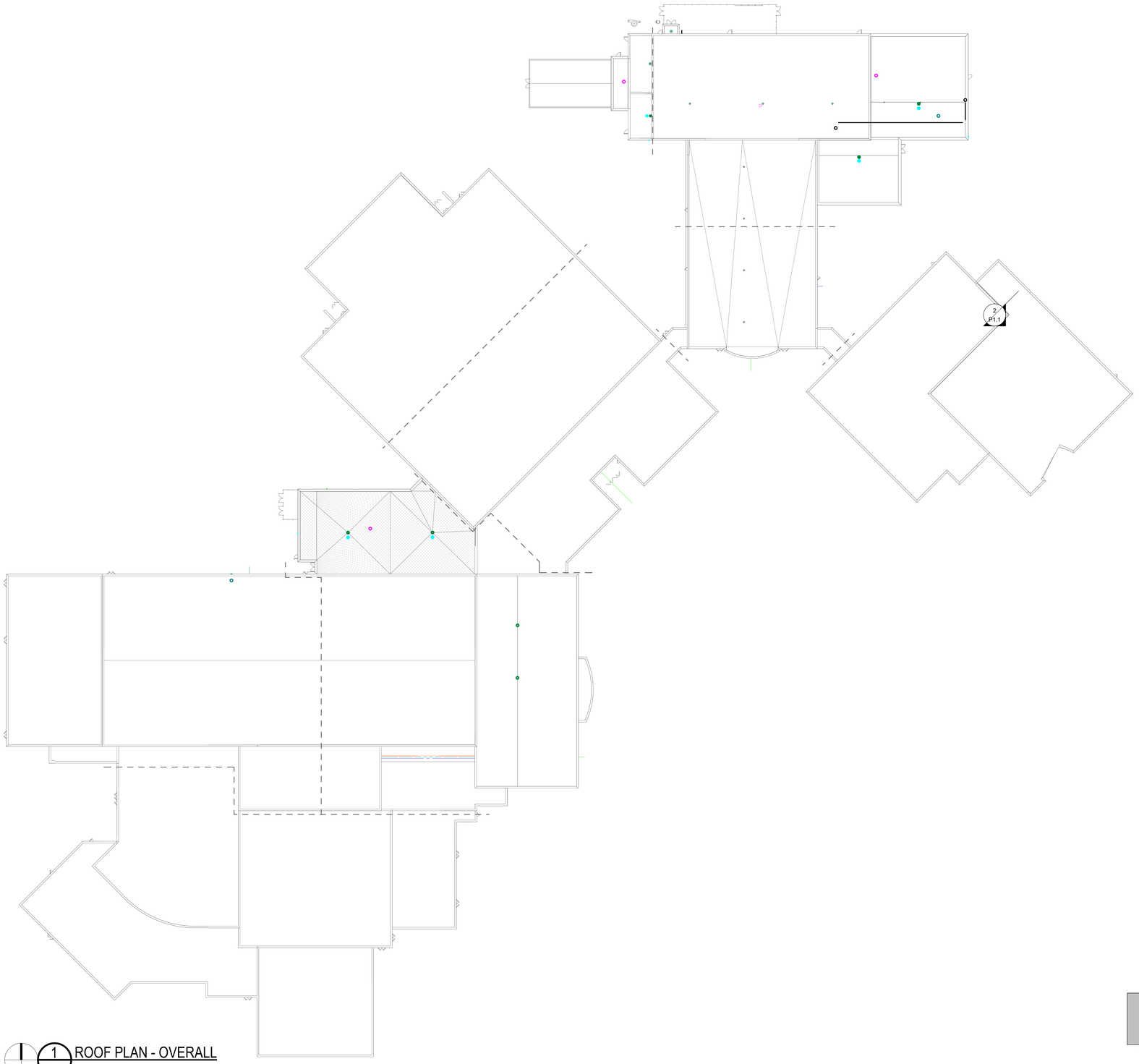
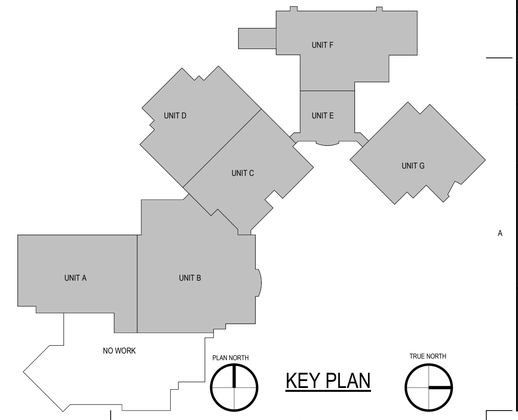


1 P1.3 ROOF PLAN - OVERALL
Scale: 1" = 30'-0"



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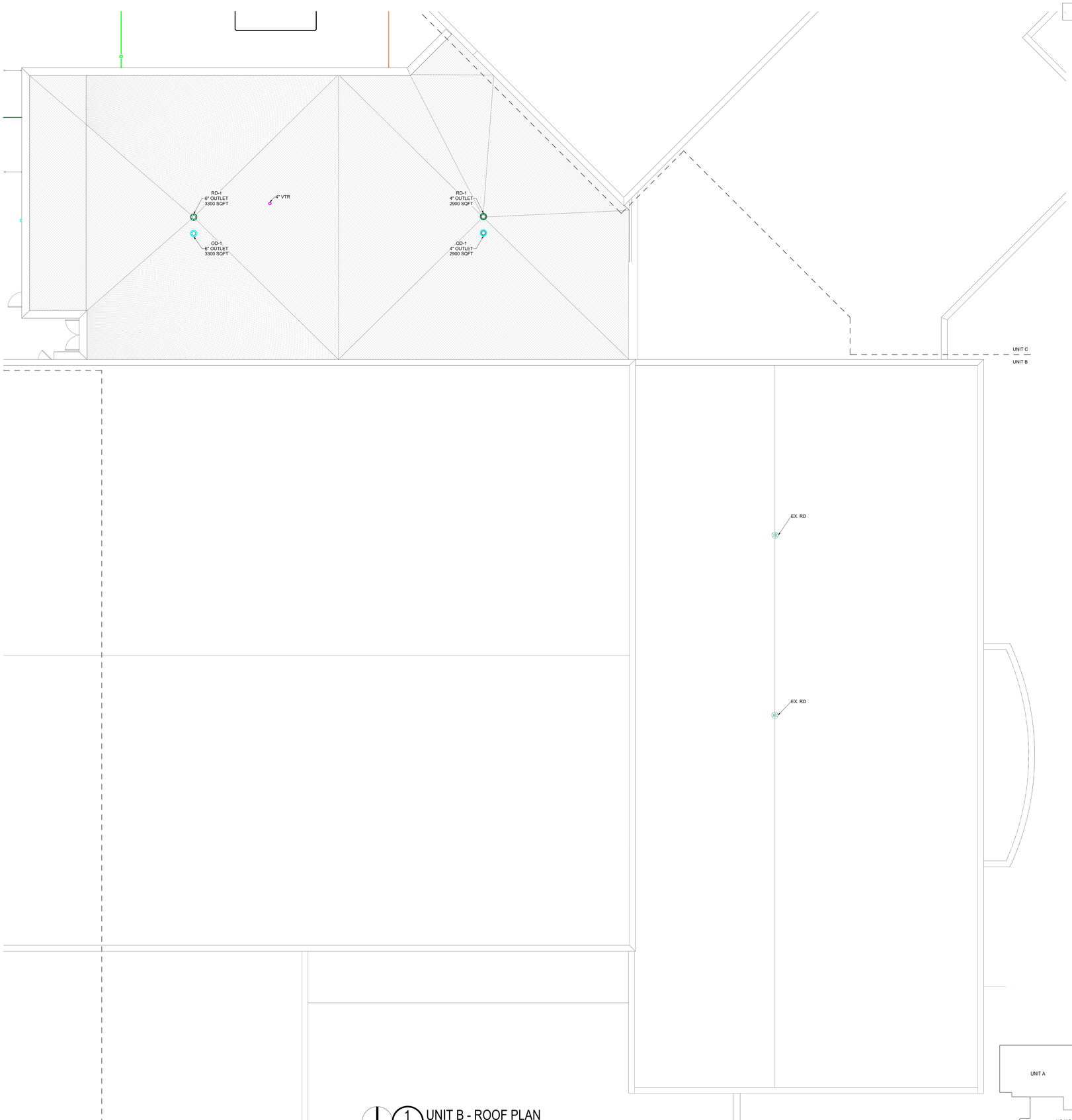
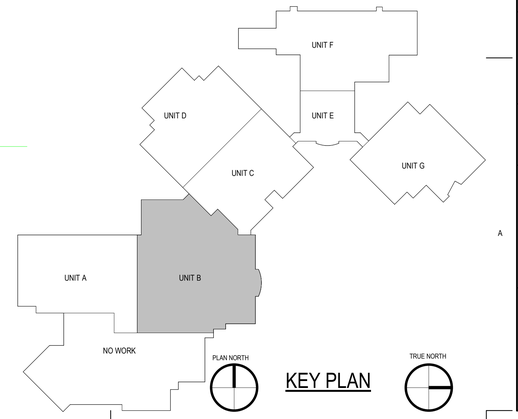


1 P1.3B UNIT B - ROOF PLAN
Scale: 1/8" = 1'-0"



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UNIT B - ROOF PLAN

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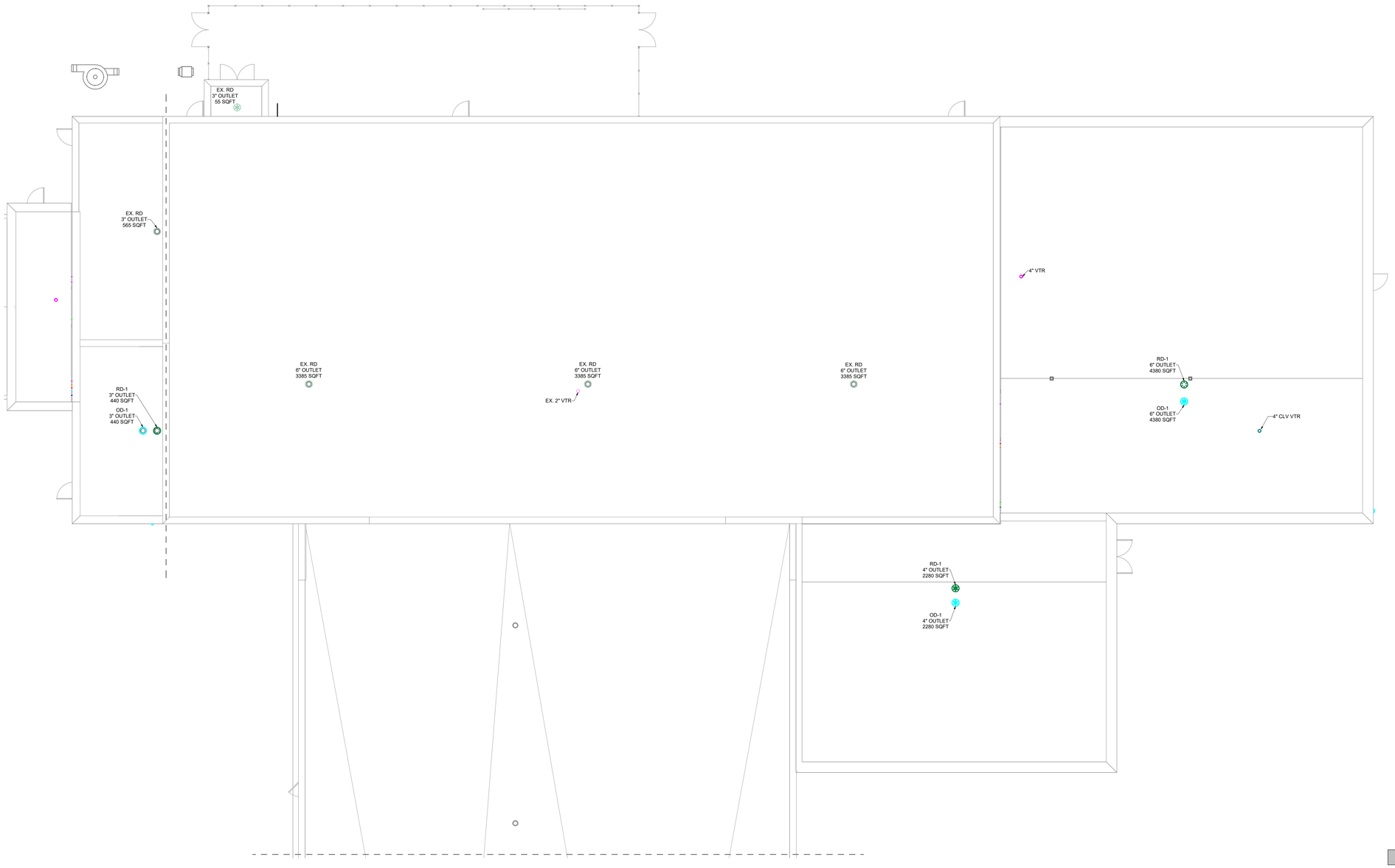
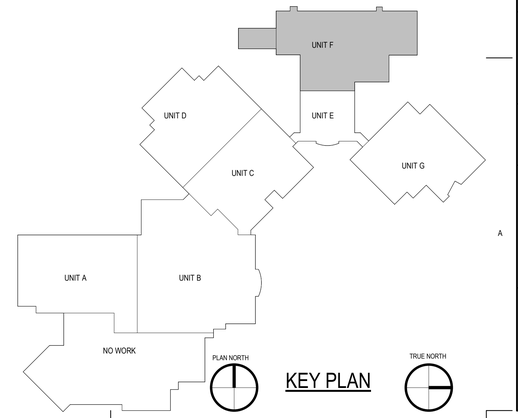


1 P1.3F — UNIT F - ROOF PLAN
Scale: 1/8" = 1'-0"



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UNIT F - ROOF PLAN

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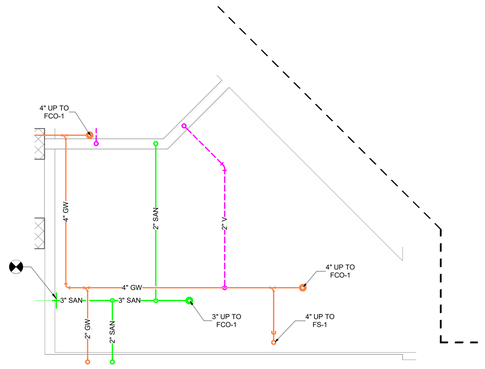
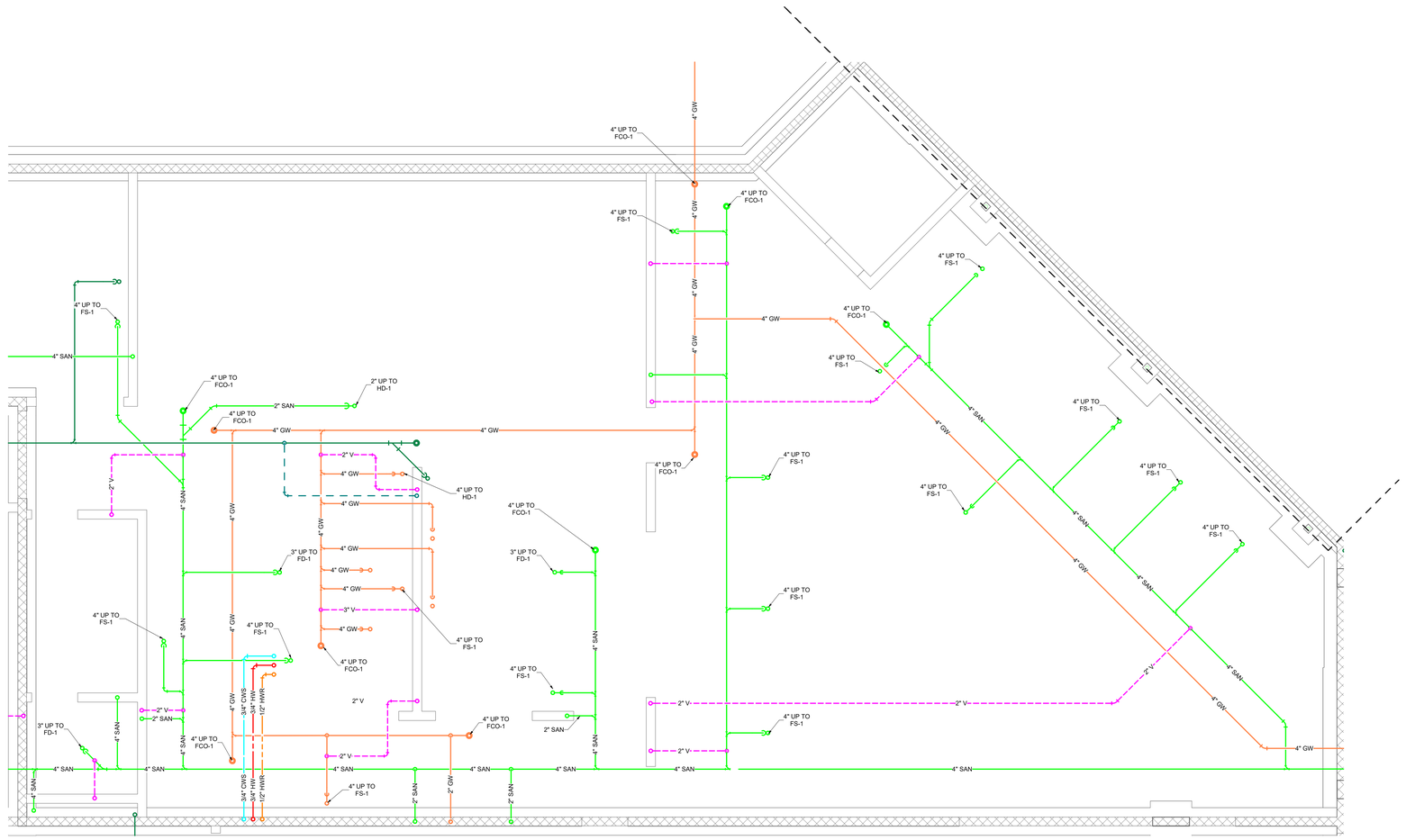
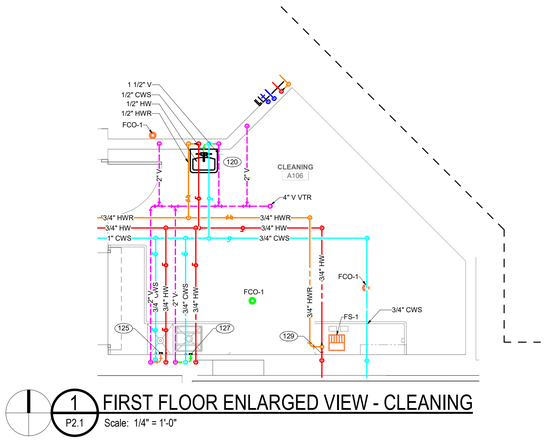


1 P2.0 FOUNDATION ENLARGED VIEW - CLEANING
Scale: 1/4" = 1'-0"

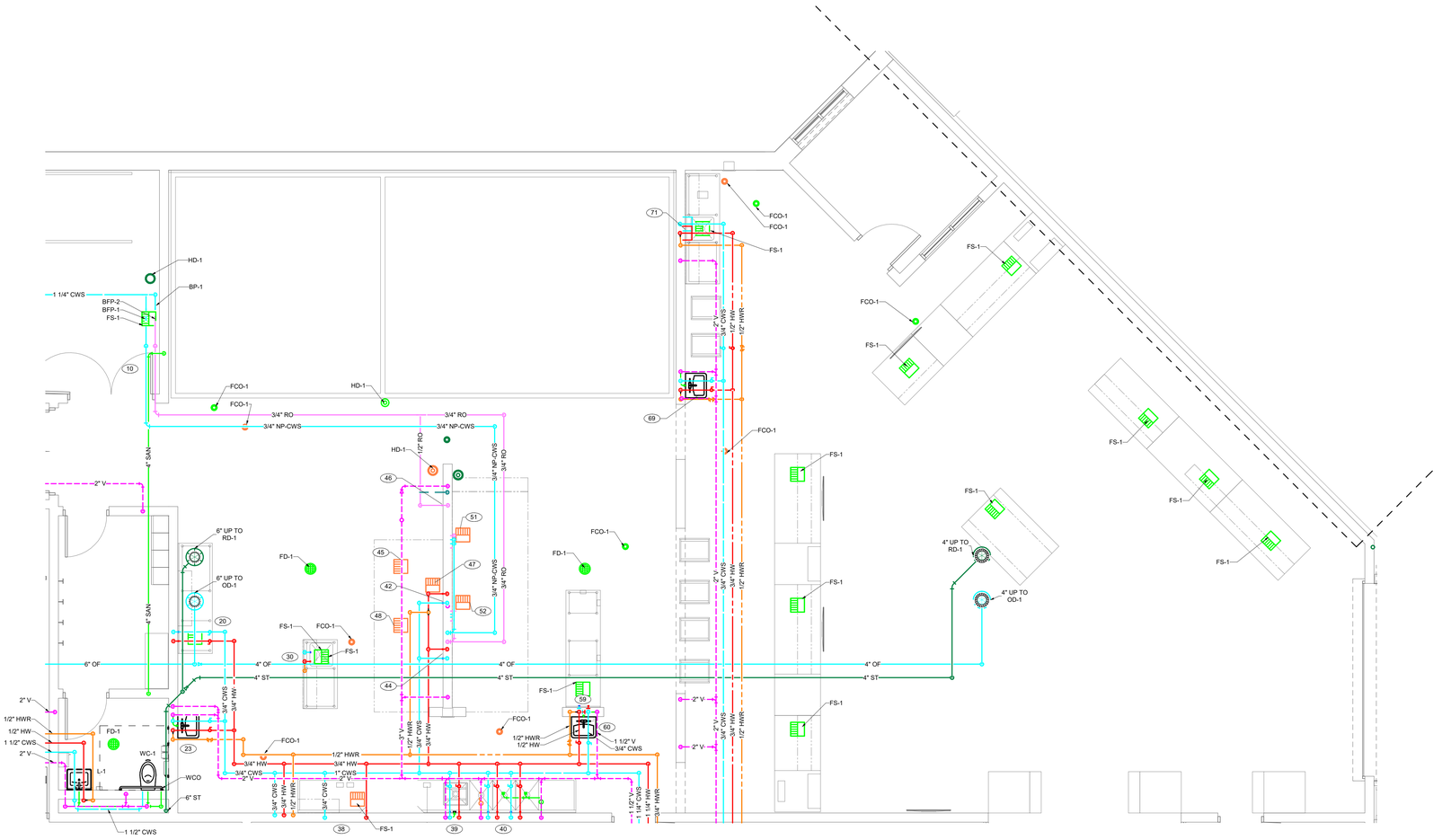

4" UP TO FCO-1
4" GW
4" UP TO FS-1
4" UP TO FCO-1
4" GW
4" GW
4" UP TO FS-1
4" UP TO FCO-1
4" GW
4" SAN
4" UP TO FS-1
4" UP TO FS-1
4" UP TO FS-1
4" UP TO FCO-1
4" GW
4" SAN
4" UP TO FS-1
4" UP TO FS-1
4" UP TO FS-1
4" SAN
4" UP TO FCO-1
2" UP TO HD-1
2" SAN
4" UP TO FCO-1
4" GW
4" GW
2" V
4" GW
4" UP TO HD-1
4" GW
4" GW
4" UP TO FCO-1
3" UP TO FD-1
4" GW
4" GW
4" GW
3" V
4" GW
4" UP TO FS-1
4" UP TO FCO-1
4" UP TO FS-1
4" UP TO FS-1
4" SAN
4" GW
4" UP TO FS-1
4" SAN
4" GW
3" UP TO FD-1
2" V
2" V
4" SAN
4" SAN
4" UP TO FCO-1
2" V
2" SAN
4" UP TO FCO-1
4" SAN
4" SAN
4" SAN

SHEET KEYNOTES



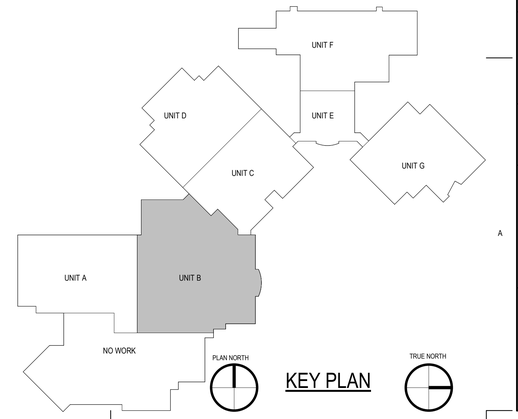
1 P2.1 FIRST FLOOR ENLARGED VIEW - CLEANING

Scale: 1/4" = 1'-0"



2 P2.1 FIRST FLOOR ENLARGED VIEW - KITCHEN

Scale: 1/4" = 1'-0"



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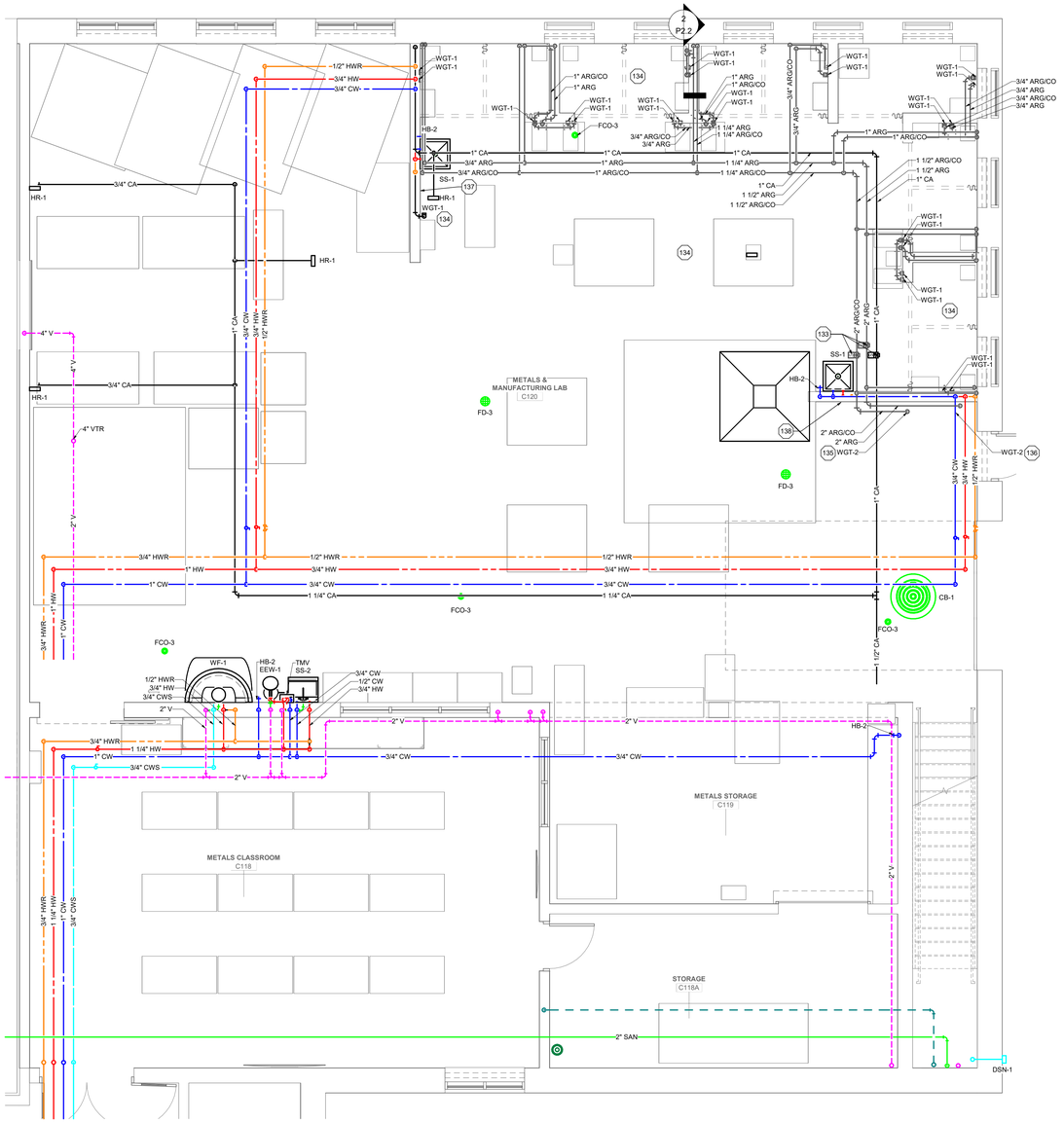
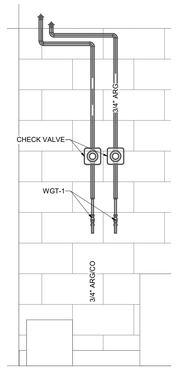


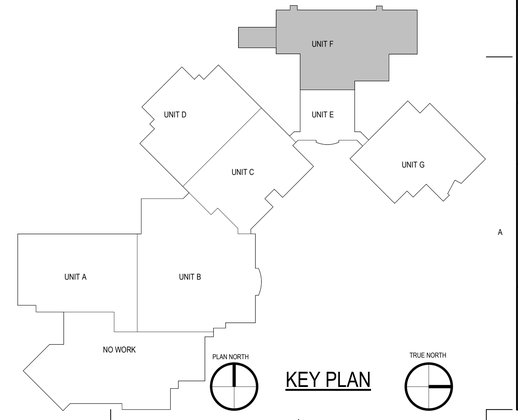
1 P2.2 FIRST FLOOR - UNIT F - ENLARGED PLAN
Scale: 1/4" = 1'-0"



2 P2.2 WELDING BOOTH ELEVATION - TYP
Scale: 3/4" = 1'-0"

SHEET KEYNOTES

133	SOLENOID VALVE - PROVIDE WELDING GAS / COMPRESSED AIR SOLENOID VALVE FOR EMERGENCY SHUT-OFF. COORDINATE FINAL LOCATION, SIZE, AND TYPE WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
134	SHOP EQUIPMENT - FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR. FINAL PLUMBING CONNECTIONS SHALL BE BY THE PLUMBING CONTRACTOR. PIPING CONNECTIONS SHALL INCLUDE ANY COMPRESSED AIR / WELDING GASES / NATURAL GAS / NON-POTABLE WATER / SANITARY IN-DIRECT WASTE PIPING. FIELD VERIFY PRESSURE/FLOW REQUIREMENTS, CONNECTION TYPE, SIZE, AND CONNECTION LOCATION WITH SHOP EQUIPMENT SPECIFICATION SHEETS PRIOR TO INSTALLATION.
135	ARGON CYLINDERS - FURNISHED BY THE OWNER AND INSTALLED BY THE WELDING GAS CYLINDER SUPPLIER IN THIS LOCATION. WELDING GAS SUPPLIER TO ALSO SUPPLY CYLINDER MOUNTING AND SUPPLY MANIFOLD. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL PIPE CONNECTIONS TO THE WELDING GAS CYLINDER MANIFLD AND PIPING SYSTEM. PROVIDE WELDING GAS CYLINDER PRESSURE REGULATOR AS SHOWN.
136	ARGON/CO2 CYLINDERS - FURNISHED BY THE OWNER AND INSTALLED BY THE WELDING GAS CYLINDER SUPPLIER IN THIS LOCATION. WELDING GAS SUPPLIER TO ALSO SUPPLY CYLINDER MOUNTING AND SUPPLY MANIFOLD. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL PIPE CONNECTIONS TO THE WELDING GAS CYLINDERS AND PIPING SYSTEM. PROVIDE WELDING GAS CYLINDER PRESSURE REGULATOR AS SHOWN.
137	OXYGEN CYLINDERS - FURNISHED BY THE OWNER AND INSTALLED BY THE WELDING GAS CYLINDER SUPPLIER IN THIS LOCATION. OXYGEN CYLINDERS TO BE STORED MINIMIMUM 20'-0" FROM ACETYLENE CYLINDERS.
138	ACETYLENE CYLINDERS - FURNISHED BY THE OWNER AND INSTALLED BY THE WELDING GAS CYLINDER SUPPLIER IN THIS LOCATION. ACETYLENE CYLINDERS TO BE STORED MINIMIMUM 20'-0" FROM OXYGEN CYLINDERS.



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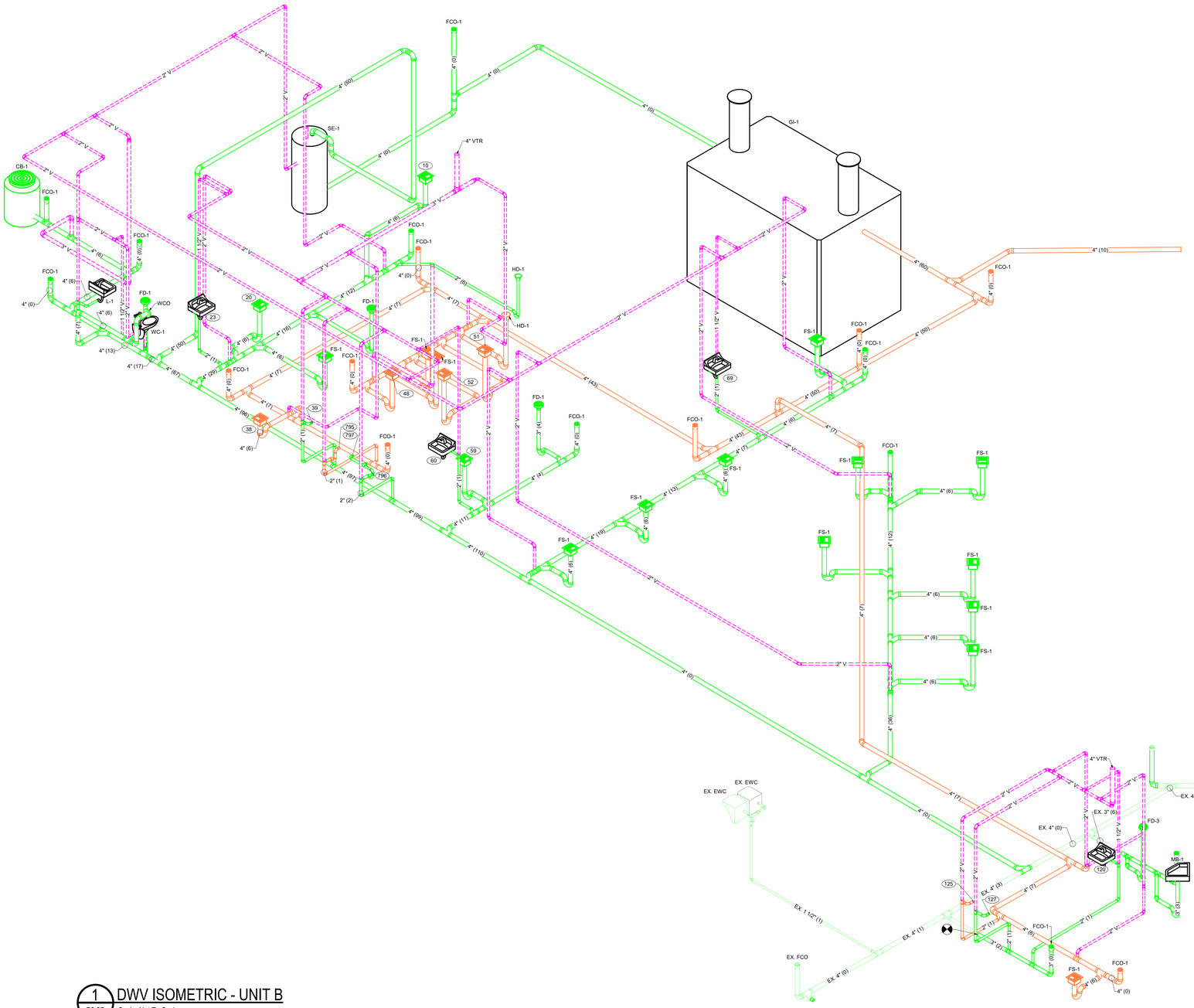
SANITARY ISOMETRIC NOTES

SEE FOUNDATION / FLOOR PLANS AND PLUMBING CONNECTION SCHEDULE ON THE GENERAL NOTES SHEET FOR DRAIN / WASTE BRANCH PIPE SIZE TO FIXTURE.

ALL VENT PIPING SERVING INDIVIDUAL WATER CLOSETS WITH CARRIERS SHALL BE 2" UNLESS OTHERWISE NOTED.

ALL VENT PIPING SERVING INDIVIDUAL FIXTURES, OTHER THAN WATER CLOSETS WITH CARRIERS, SHALL BE 1-1/2" UNLESS OTHERWISE NOTED.

SANITARY DRAIN AND VENT UNIT VALUES ARE SHOWN AS DRAINAGE FIXTURE UNITS.



1 P3.0B DWV ISOMETRIC - UNIT B
Scale: Not To Scale

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Sheet Title:
DWV ISOMETRIC

Sheet Number:
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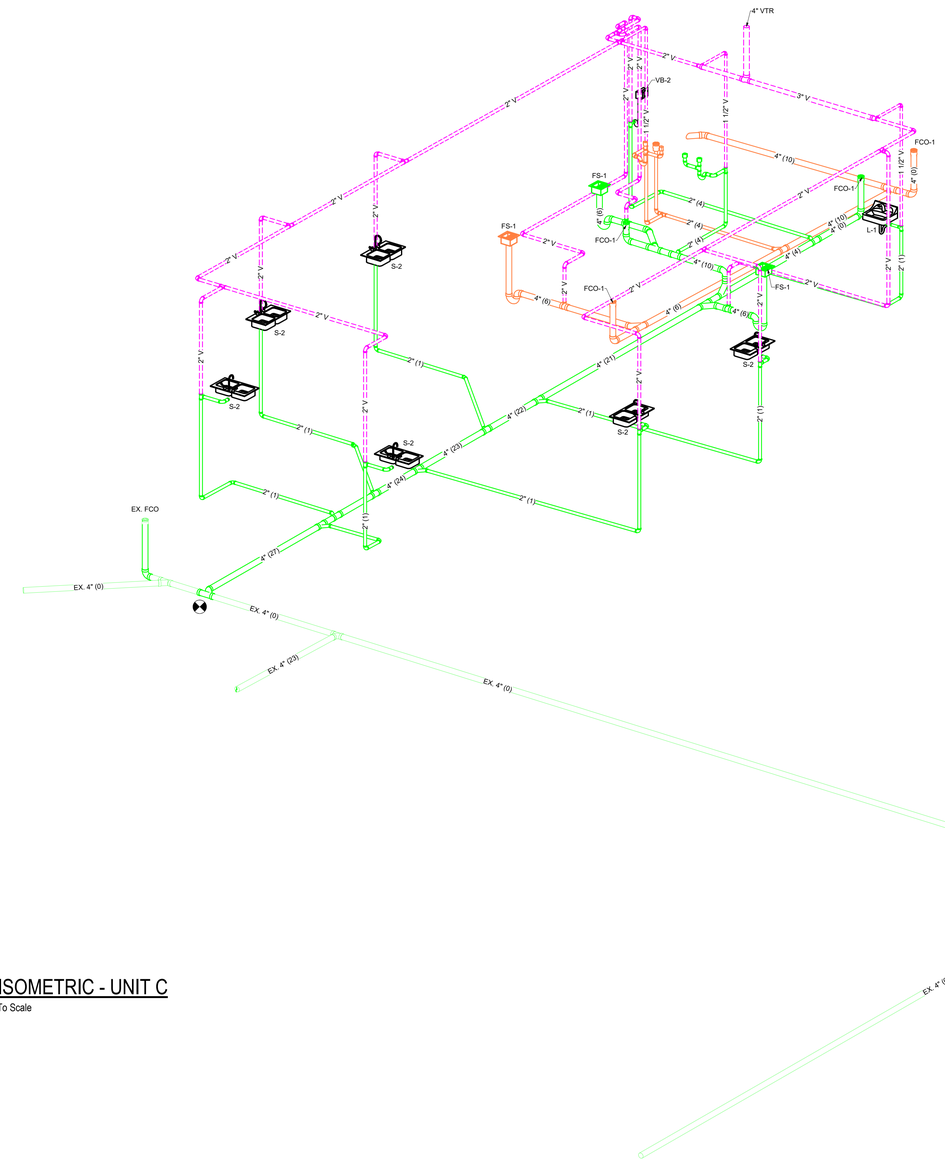
DOMESTIC WATER ISOMETRIC NOTES

SEE FOUNDATION / FLOOR PLANS AND PLUMBING CONNECTION SCHEDULE ON THE GENERAL NOTES SHEET FOR WATER BRANCH PIPE SIZE TO FIXTURE.

PROVIDE WATER HAMMER ARRESTORS ON ALL INDIVIDUAL FLUSH VALVES, OR BANK OF FLUSH VALVES, AND QUICK CLOSING VALVES.

HOT AND COLD WATER SUPPLY UNIT VALUES ARE SHOWN AS WATER FIXTURE UNITS.

HOT WATER RETURN UNIT VALUES ARE SHOWN AS GPM.



1 P3.0C DWV ISOMETRIC - UNIT C
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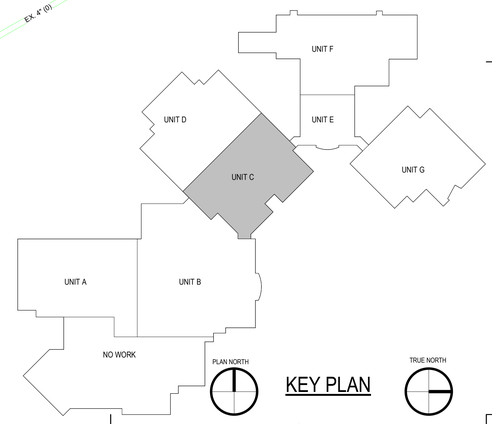

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Project Title:
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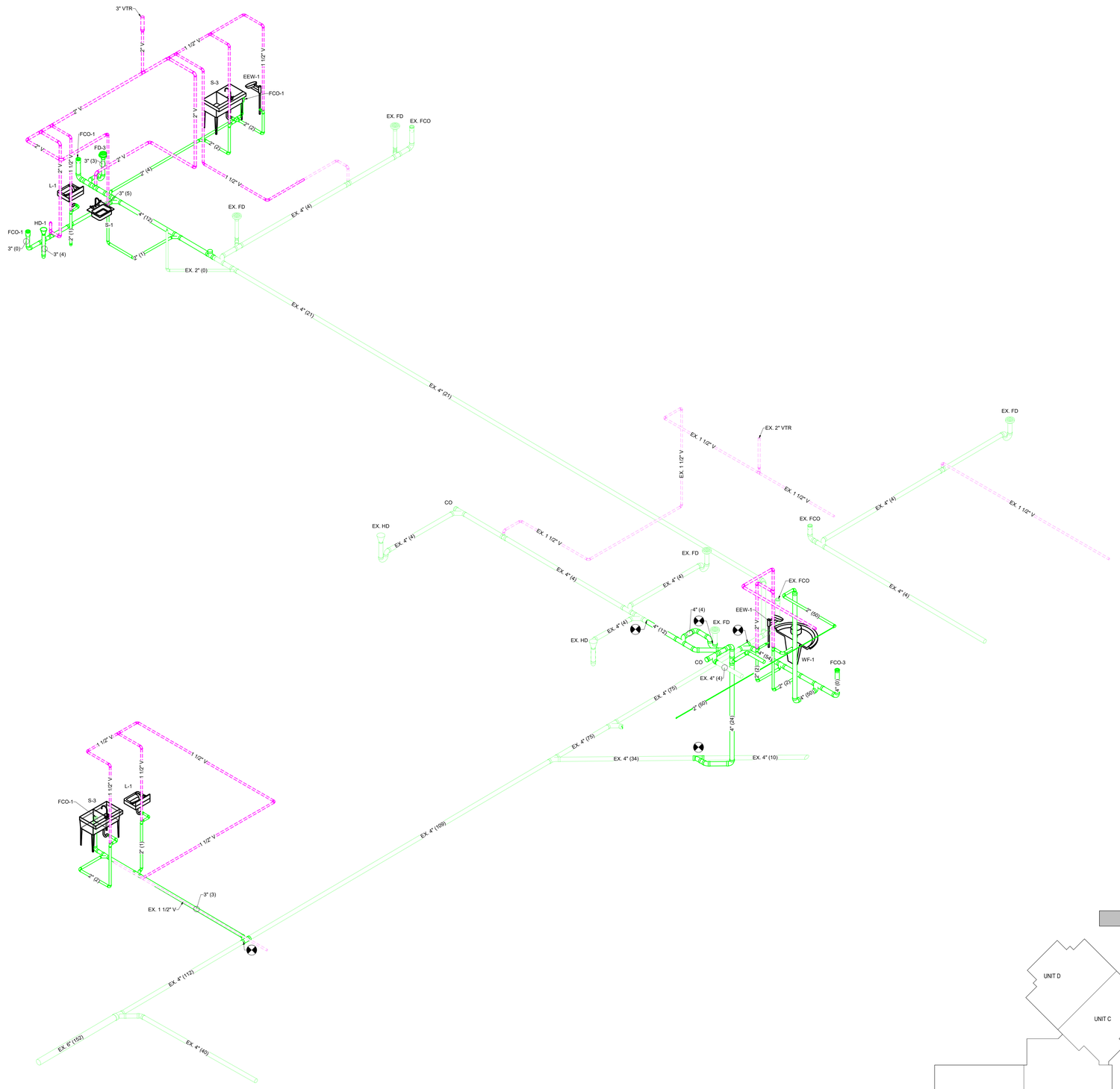
SANITARY ISOMETRIC NOTES

SEE FOUNDATION / FLOOR PLANS AND PLUMBING CONNECTION SCHEDULE ON THE GENERAL NOTES SHEET FOR DRAIN / WASTE BRANCH PIPE SIZE TO FIXTURE.

ALL VENT PIPING SERVING INDIVIDUAL WATER CLOSETS WITH CARRIERS SHALL BE 2" UNLESS OTHERWISE NOTED.

ALL VENT PIPING SERVING INDIVIDUAL FIXTURES, OTHER THAN WATER CLOSETS WITH CARRIERS, SHALL BE 1-1/2" UNLESS OTHERWISE NOTED.

SANITARY DRAIN AND VENT UNIT VALUES ARE SHOWN AS DRAINAGE FIXTURE UNITS.



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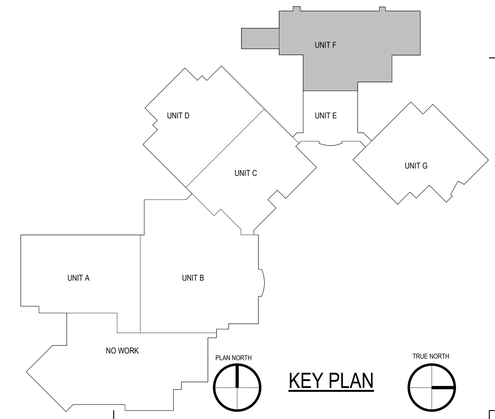

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SANITARY ISOMETRIC NOTES

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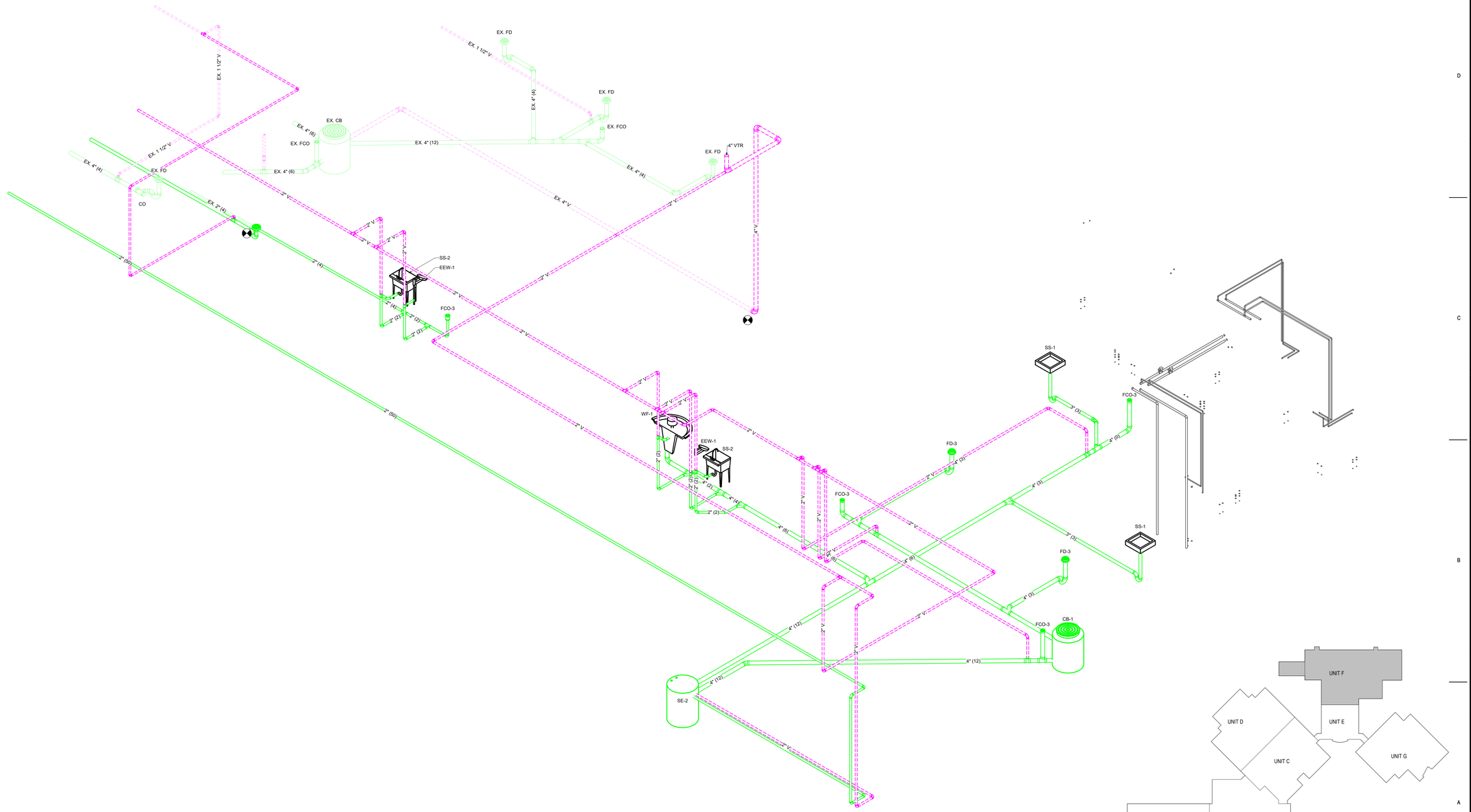
EX. FD
EX. 1 1/2" V
EX. 4" (4)
EX. FD
EX. FCO
EX. CB
EX. 4" (6)
EX. FCO
EX. 4" (12)
EX. FD
4" VTR
EX. 4" (4)
EX. 1 1/2" V
EX. 4" (4)
EX. FD
CO
EX. 2" (4)
2" V
EX. 4" V
2" V
2" V
2" V
2" V
2" V
SS-2
EEW-1
FCO-3
2" (3)
2" (3)
2" (3)
2" (50)
2" V
2" V
2" V
2" V
WF-1
EEW-1
SS-2
2" (2)
2" (2)
4" (4)
2" (2)
2" V
2" V
2" V
2" V
FCO-3
FD-3
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4" (3)
4" (3)
3" (3)
SS-1
SS-1
FD-3
FCO-3
CB-1
4" (12)
4" (12)
4" (12)
SE-2
2" V
2" V
2" V
2" V
2" V

DOMESTIC WATER ISOMETRIC NOTES

SEE FOUNDATION / FLOOR PLANS AND PLUMBING CONNECTION SCHEDULE ON THE GENERAL NOTES SHEET FOR WATER BRANCH PIPE SIZE TO FIXTURE.

PROVIDE WATER HAMMER ARRESTORS ON ALL INDIVIDUAL FLUSH VALVES, OR BANK OF FLUSH VALVES, AND QUICK CLOSING VALVES.

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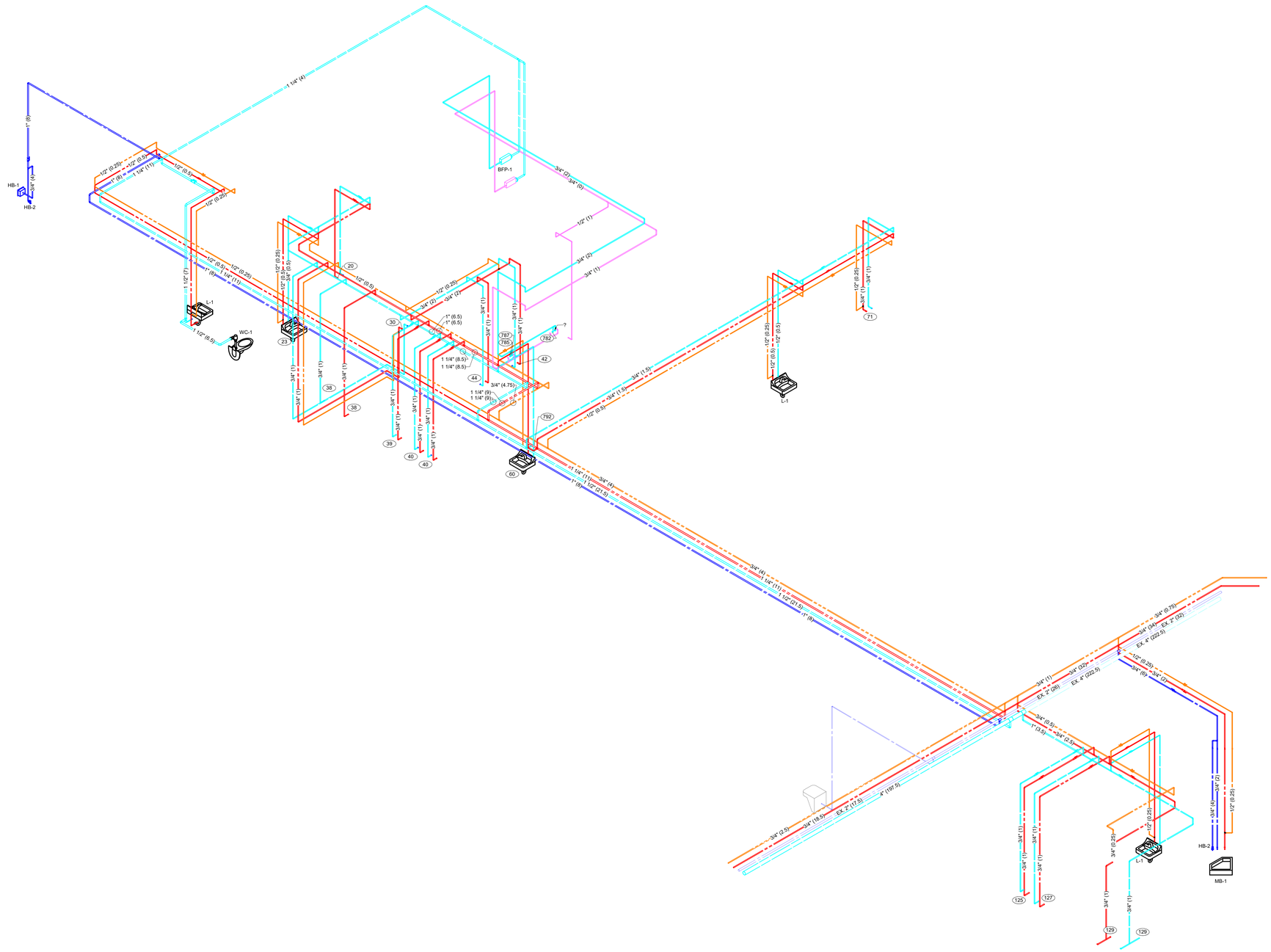

1 WATER ISOMETRIC - UNIT B
P3.1B Scale: Not To Scale

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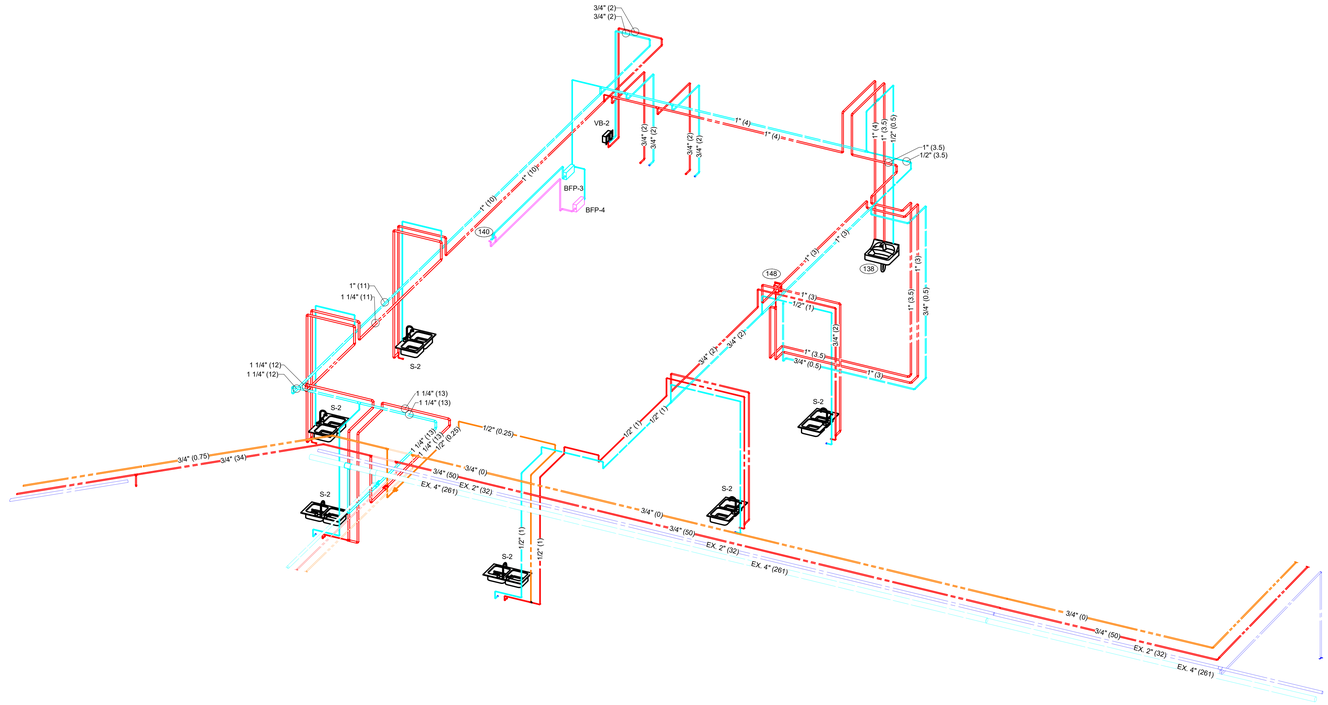

1 P3.1C WATER ISOMETRIC - UNIT C
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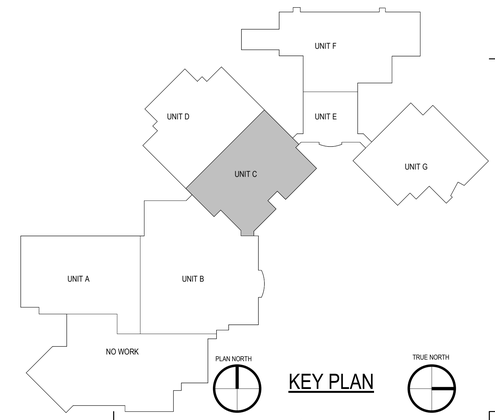

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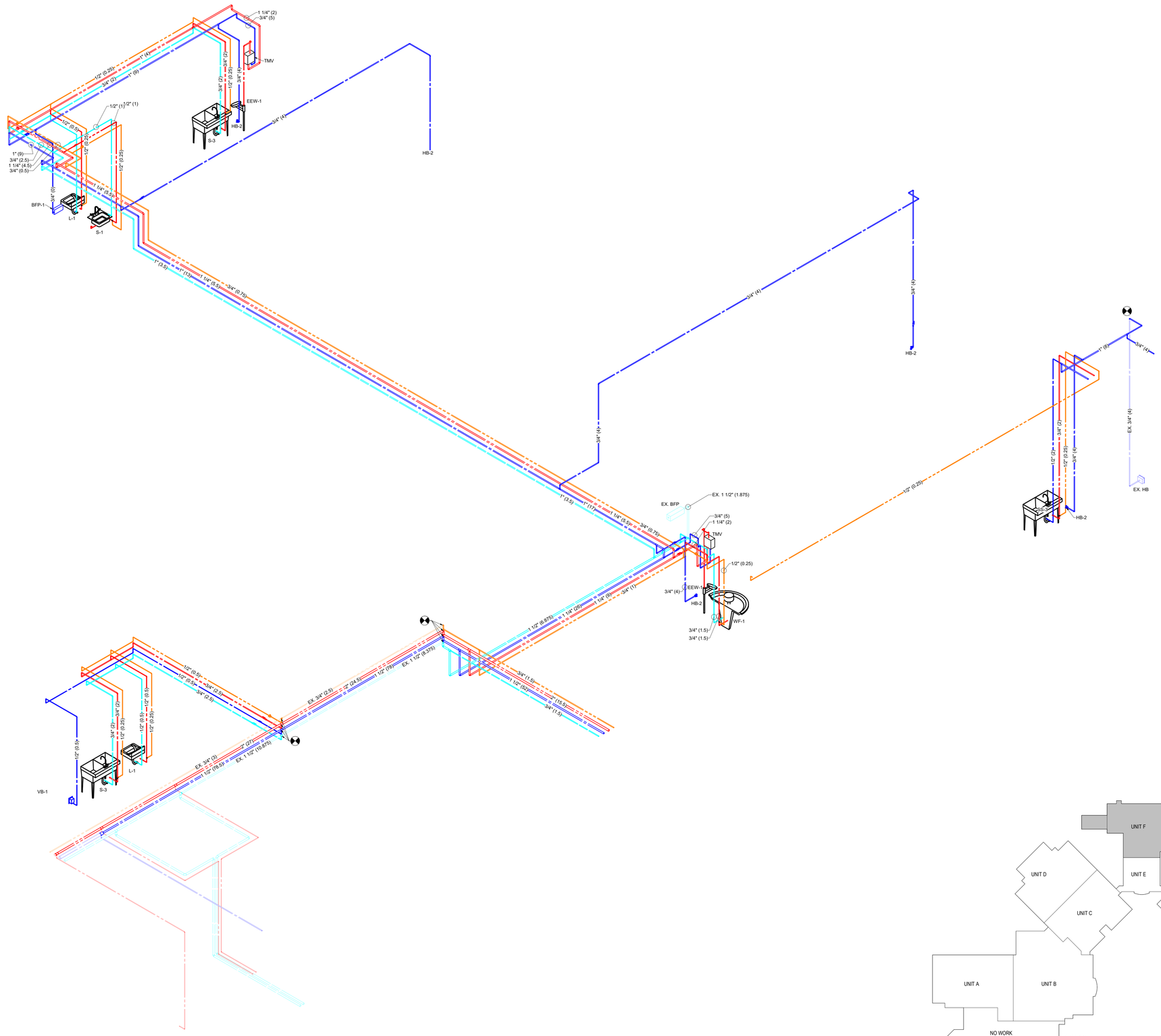

1 P3.1F1 WATER ISOMETRIC - UNIT F
Scale: Not To Scale

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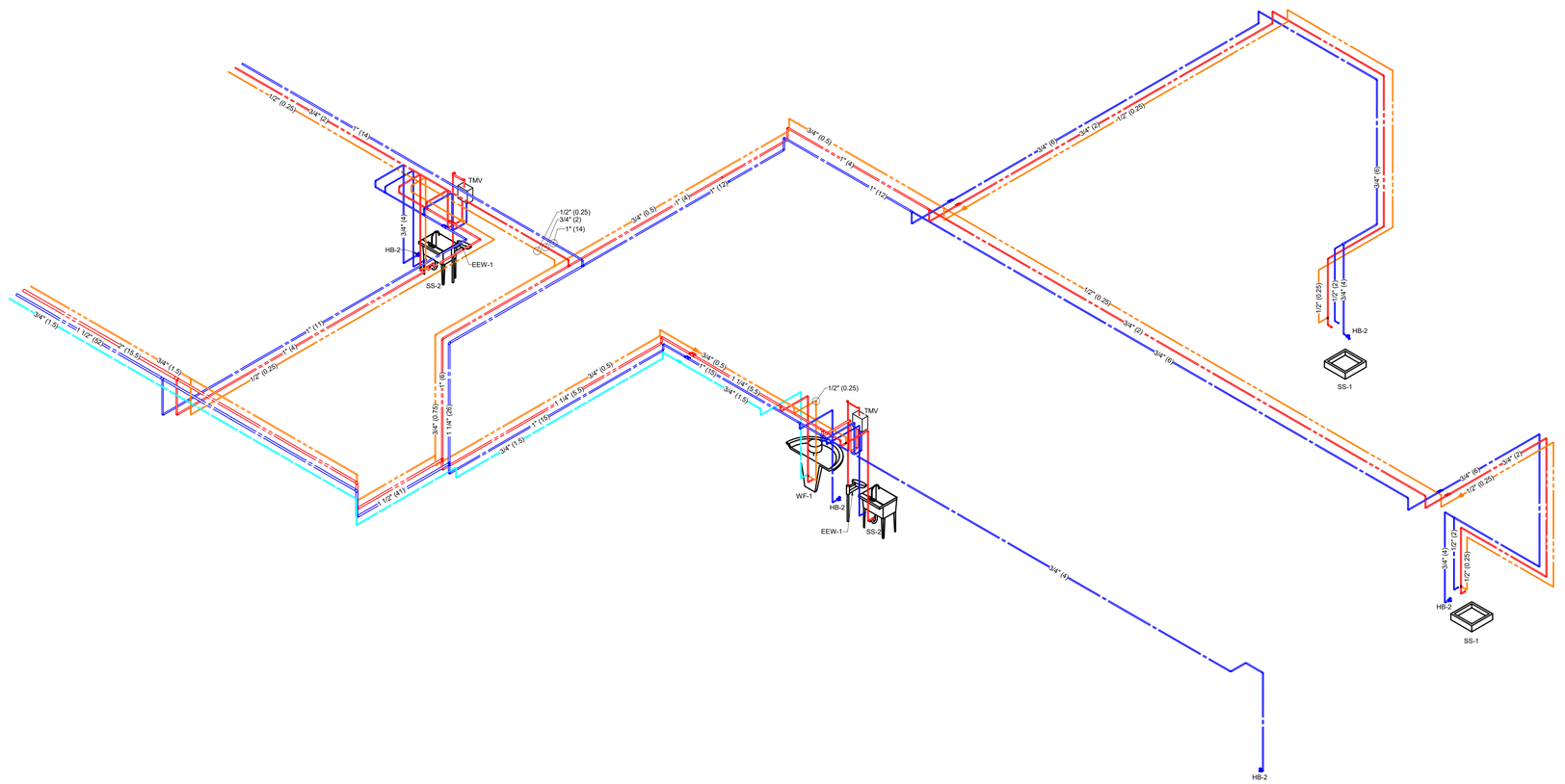

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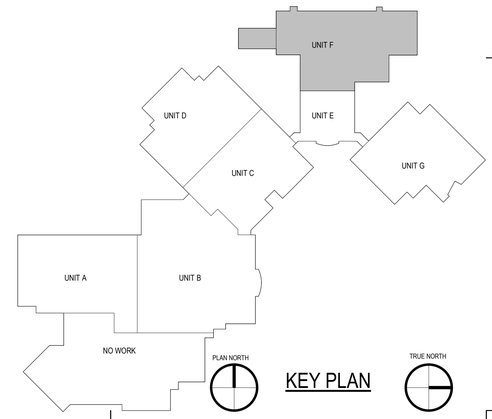

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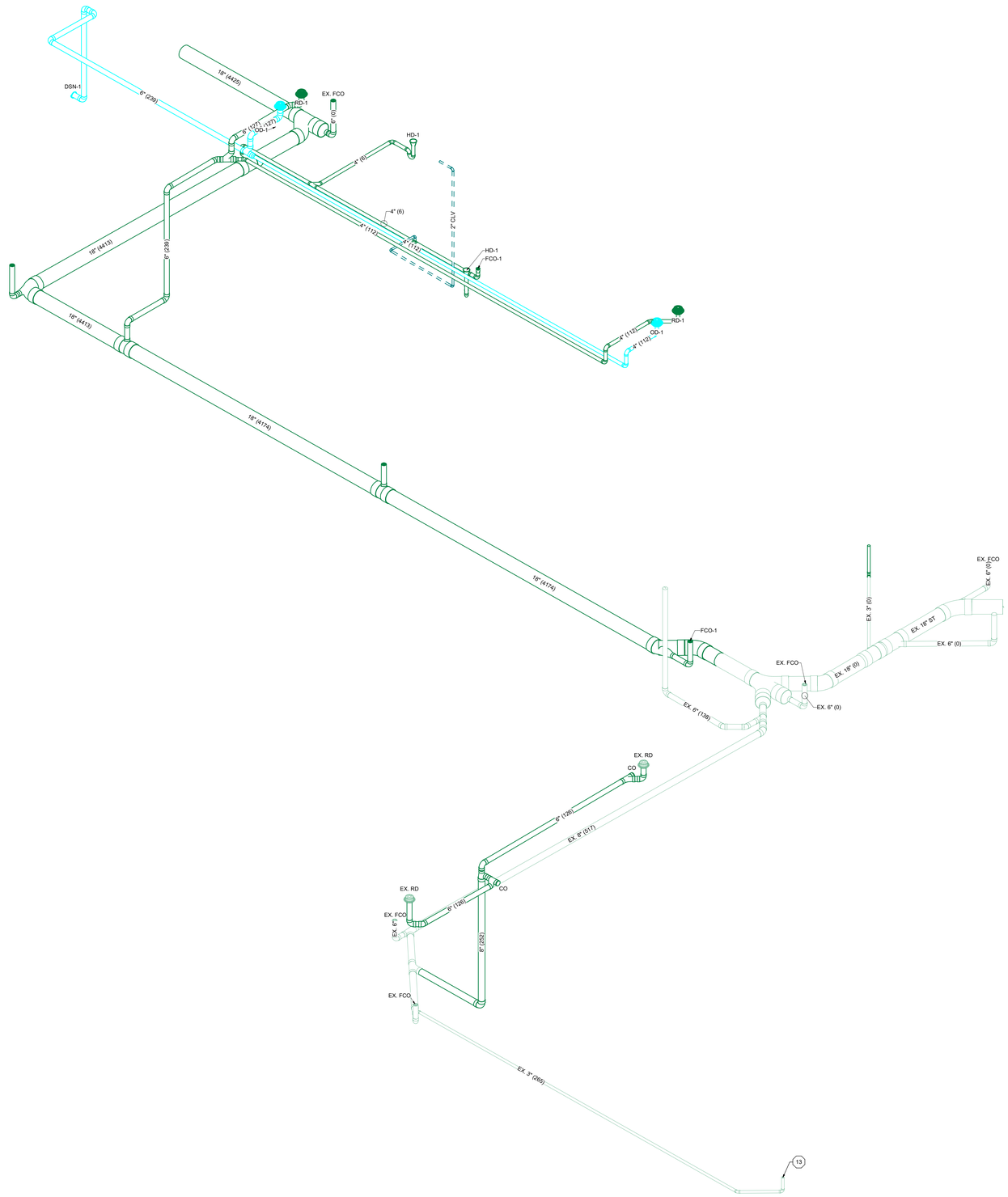
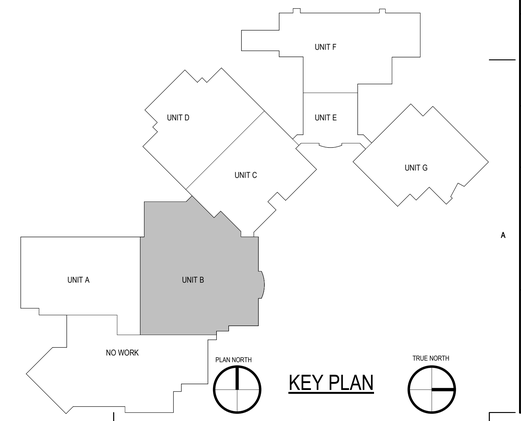
SHEET KEYNOTES	
13	ROUTE PIPING IN FURRING WALL.

STORM & CLEAR WATER ISOMETRIC NOTES

UNIT VALUES ARE SHOWN AS GALLON PER MINUTE.





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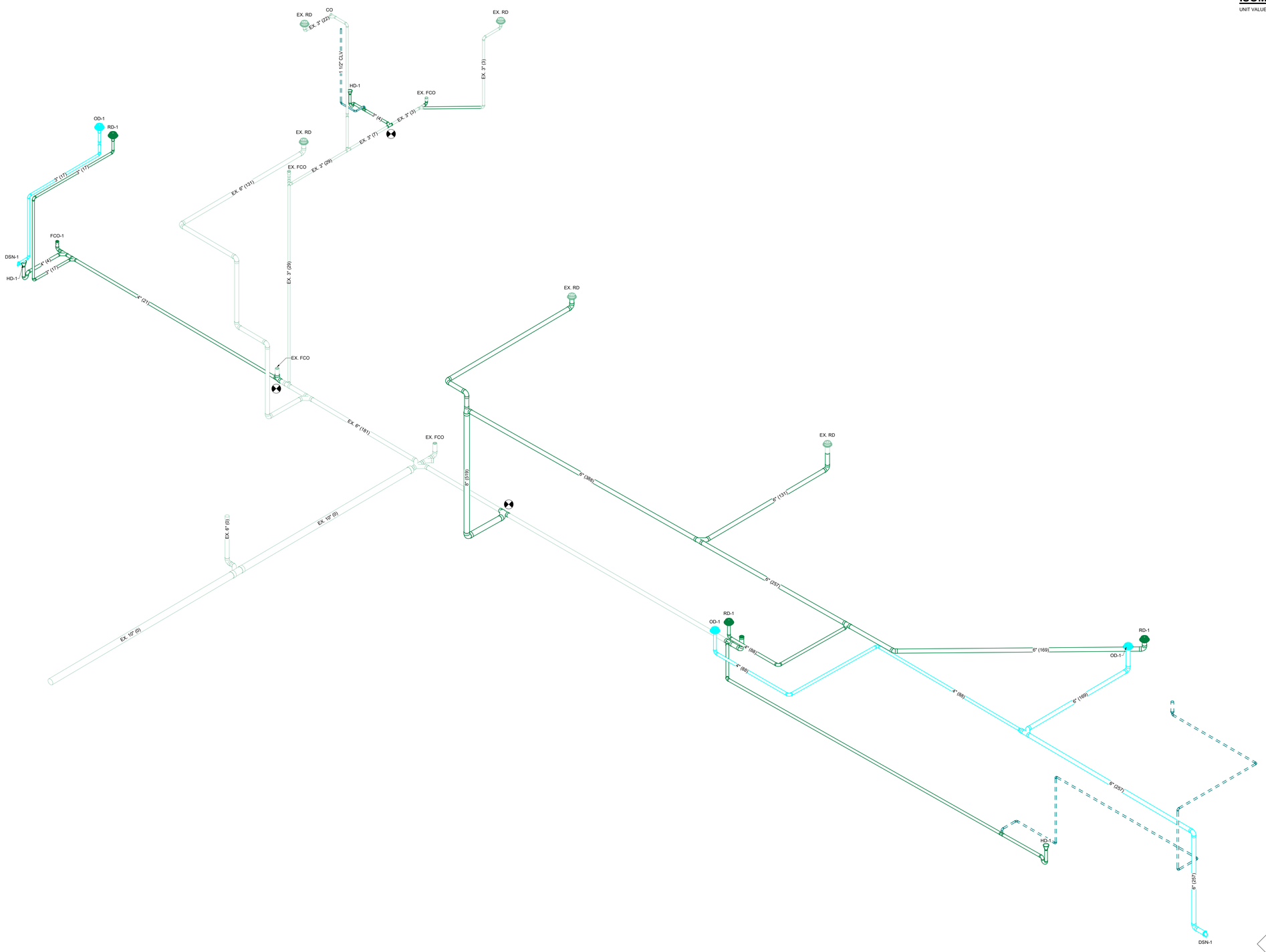
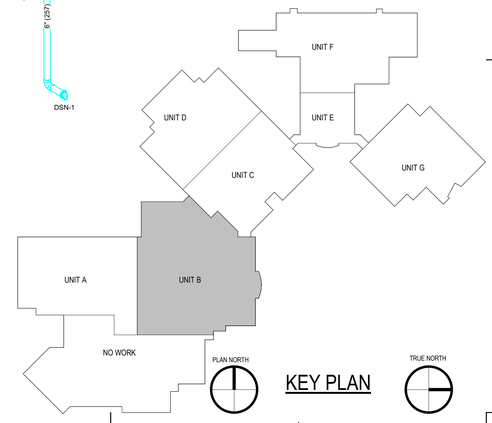
STORM & CLEAR WATER ISOMETRIC NOTES

UNIT VALUES ARE SHOWN AS GALLON PER MINUTE.





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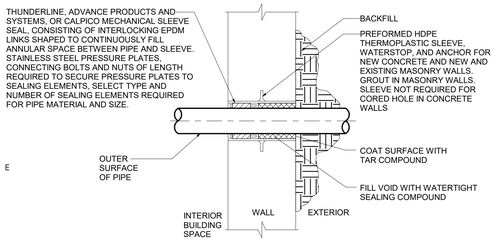
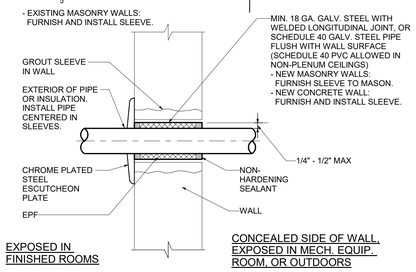


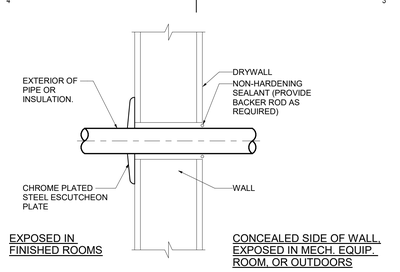
APPLICATIONS
- PIPE PENETRATION THRU BELOW GRADE EXTERIOR WALL



EXPOSED IN FINISHED ROOMS

CONCEALED SIDE OF WALL, EXPOSED IN MECH. EQUIP. ROOM, OR OUTDOORS

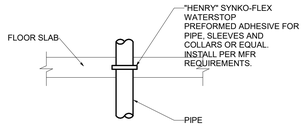
APPLICATIONS
- PIPE PENETRATION THRU MASONRY OR CONCRETE WALL



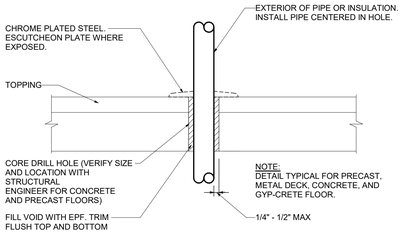
EXPOSED IN FINISHED ROOMS

CONCEALED SIDE OF WALL, EXPOSED IN MECH. EQUIP. ROOM, OR OUTDOORS

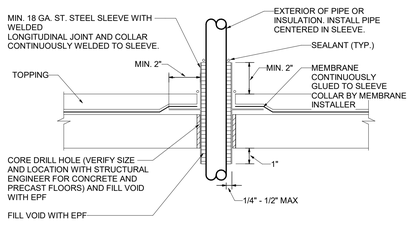
APPLICATIONS
- PIPE PENETRATION THRU STUD WALL



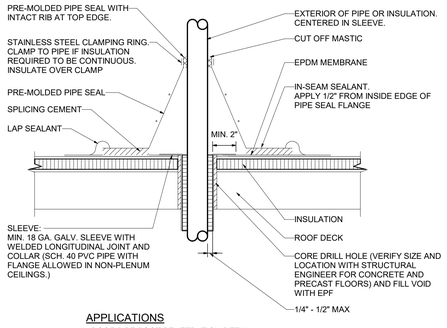
APPLICATIONS
- SLAB ON GRADE PIPE PENETRATION DETAIL



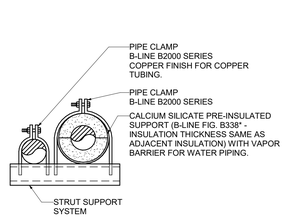
APPLICATIONS
- PIPE PENETRATION THRU ABOVE GRADE FLOOR



APPLICATIONS
- PIPE PENETRATION THRU ABOVE GRADE FLOOR WITH MEMBRANE



APPLICATIONS
- ROOF PIPE BOOT PENETRATION DETAIL



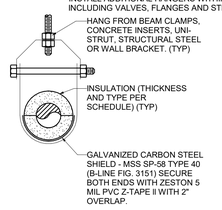
MAX. SPACING BETWEEN PIPE SUPPORTS AND MIN. HANGER ROD SIZES

PIPE SIZE	STEEL WATER	STEEL GAS	STEEL MIN. ROD	COPPER WATER	COPPER GAS	COPPER MIN. ROD	PVC	CPVC	PEX	CAST IRON	MIN. ROD
1/4"-1/2"	7'	8'	3/8"	5'	6'	3/8"	4'	3'	32"	5'	3/8"
3/4"	7'	9'	3/8"	5'	7'	3/8"	4'	3'	32"	5'	3/8"
1"	7'	9'	3/8"	6'	8'	3/8"	4'	3'	32"	5'	3/8"
1 1/4"	7'	9'	3/8"	7'	9'	3/8"	4'	4'	32"	5'	3/8"
1 1/2"	9'	12'	3/8"	8'	10'	3/8"	4'	4'	32"	5'	3/8"
2"	10'	12'	3/8"	8'	11'	3/8"	4'	4'	-	5'	3/8"
2 1/2"	11'	12'	3/8"	9'	12'	3/8"	4'	4'	-	5'	3/8"
3"	12'	12'	3/8"	10'	12'	3/8"	4'	4'	-	5'	3/8"
4"	12'	12'	3/8"	12'	12'	3/8"	4'	4'	-	5'	3/8"
6"	12'	12'	3/8"	12'	12'	3/8"	4'	4'	-	5'	3/8"
8"	12'	12'	1/2"	-	-	-	4'	4'	-	5'	3/8"
10"	12'	12'	1/2"	-	-	-	4'	4'	-	-	3/8"
12"	12'	12'	5/8"	-	-	-	4'	4'	-	-	3/8"
14"	12'	12'	5/8"	-	-	-	4'	4'	-	-	3/8"
16"	12'	12'	3/4"	-	-	-	4'	4'	-	-	3/8"
MAX VERT. (1)	15'	15'	-	10'	10'	-	10'	10'	10'		-

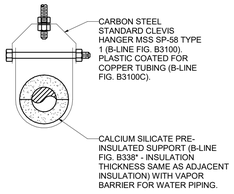
(1) SUPPORT AT MINIMUM EVERY FLOOR LEVEL OR SPACING LISTED.
(2) SPACING MAY BE INCREASED TO 10' FOR 10" PIPE LENGTHS.
MSS = MANUFACTURER'S STANDARDIZATION SOCIETY
- INSTALL ADDITIONAL HANGERS WITHIN 12" OF ELBOWS AND TEES AND AT CONCENTRATED LOADS, INCLUDING VALVES, FLANGES AND STRAINERS 2 1/2" AND LARGER.



APPLICATIONS
- UNINSULATED PIPING



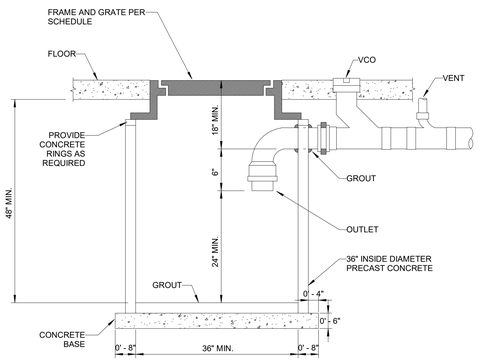
APPLICATIONS
- HOT AND COLD WATER PIPING



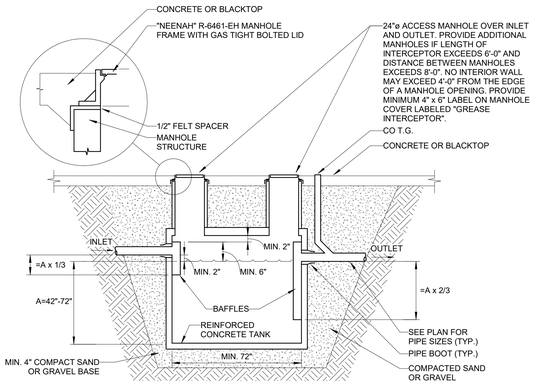
APPLICATIONS
- HOT AND COLD WATER PIPING

1 P4.0 PIPE PENETRATION DETAILS
Scale: Not To Scale

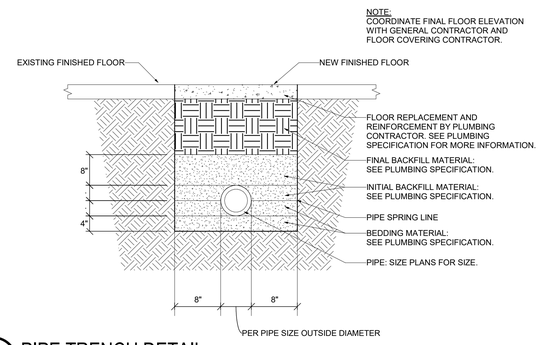
2 P4.0 PIPE HANGER AND INSULATION DETAILS
Scale: Not To Scale



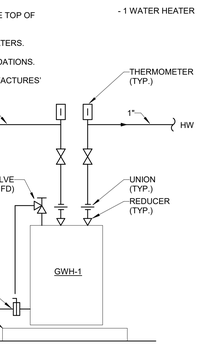
3 P4.0 CATCH BASIN
Scale: Not To Scale



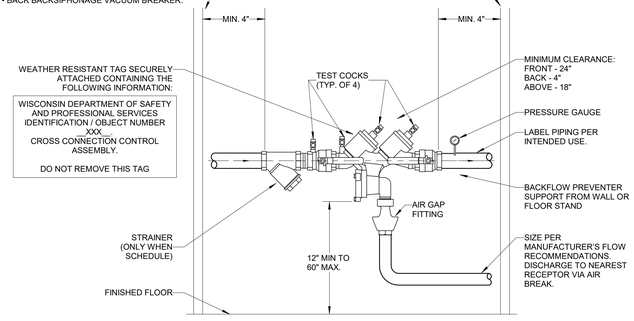
4 P4.0 EXTERIOR GREASE INTERCEPTOR DETAIL
Scale: Not To Scale



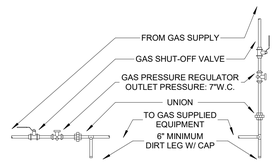
5 P4.0 PIPE TRENCH DETAIL
Scale: Not To Scale



6 P4.0 WATER HEATER PIPING DETAIL
Scale: Not To Scale



7 P4.0 REDUCED PRESSURE ZONE BACKFLOW PREVENTER DETAIL
Scale: Not To Scale



9 P4.0 GAS EQUIPMENT CONNECTION DETAIL
Scale: Not To Scale

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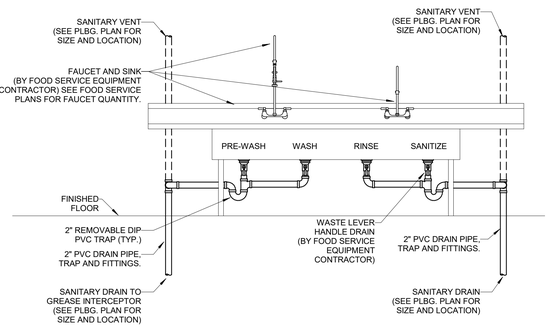
Autodesk Docs://3705 - Whitewater Unified School District Facility Master Planning 20240037241 Whitewater High School_PLBG_R24.rvt
12/19/2025 10:08:01 AM

NOTE:

• SEE FLOOR PLAN FOR DIRECTION OF FLOW AND LOCATION OF PLUMBING FIXTURE, EQUIPMENT AND PIPE LOCATIONS. THIS DETAIL IS FOR SCHEMATIC PURPOSES ONLY.

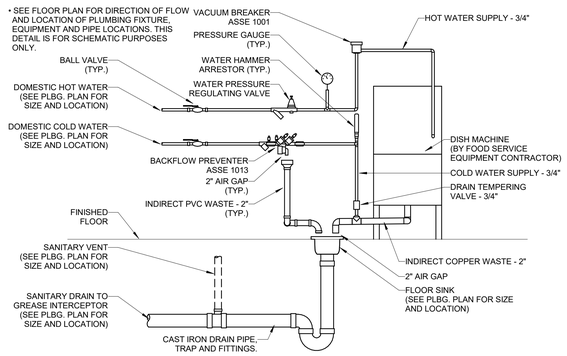


1 KITCHEN FOOD SERVICE DETAIL - 4 COMPARTMENT SINK

P4.1 Scale: Not To Scale

NOTE:

• SEE FLOOR PLAN FOR DIRECTION OF FLOW AND LOCATION OF PLUMBING FIXTURE, EQUIPMENT AND PIPE LOCATIONS. THIS DETAIL IS FOR SCHEMATIC PURPOSES ONLY.

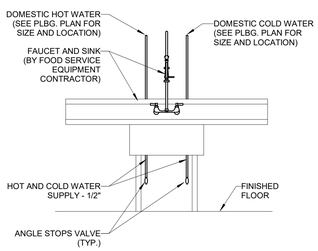


4 KITCHEN FOOD SERVICE DETAIL - DISH MACHINE

P4.1 Scale: Not To Scale

NOTE:

• SEE FLOOR PLAN FOR DIRECTION OF FLOW AND LOCATION OF PLUMBING FIXTURE, EQUIPMENT AND PIPE LOCATIONS. THIS DETAIL IS FOR SCHEMATIC PURPOSES ONLY.

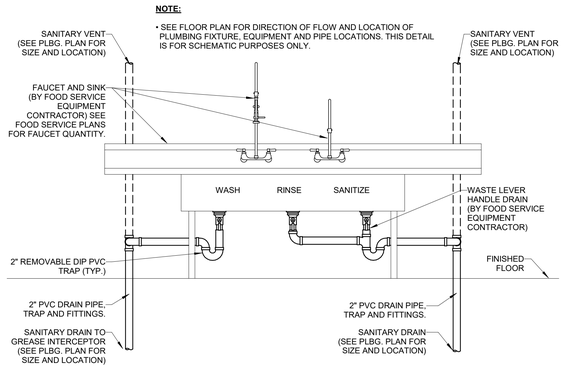


7 KITCHEN FOOD SERVICE DETAIL - TYPICAL FAUCET CONNECTION

P4.1 Scale: Not To Scale

NOTE:

• SEE SANITARY EJECTOR CALCULATIONS DETAIL REFERENCE CODE FOR LETTER HEIGHT INFORMATION.

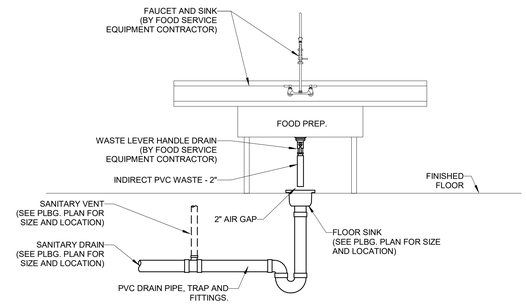


2 KITCHEN FOOD SERVICE DETAIL - 3 COMPARTMENT SINK

P4.1 Scale: Not To Scale

NOTE:

• SEE FLOOR PLAN FOR DIRECTION OF FLOW AND LOCATION OF PLUMBING FIXTURE, EQUIPMENT AND PIPE LOCATIONS. THIS DETAIL IS FOR SCHEMATIC PURPOSES ONLY.



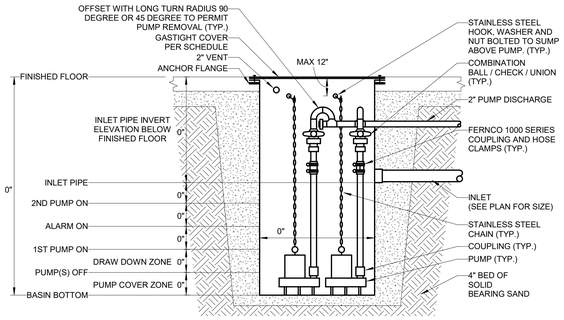
5 KITCHEN FOOD SERVICE DETAIL - FOOD PREP

P4.1 Scale: Not To Scale

NOTE:

• SEE SANITARY EJECTOR CALCULATIONS DETAIL REFERENCE CODE FOR LETTER HEIGHT INFORMATION.

• PROVIDE 4" ANTI-FLOTATION FLANGE AND BOTTOM OF THE BASIN.

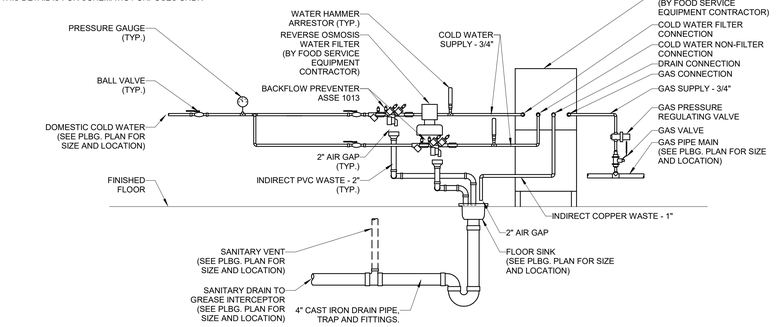


8 SEWAGE EJECTOR - KITCHEN DETAIL

P4.1 Scale: Not To Scale

NOTE:

• SEE FLOOR PLAN FOR DIRECTION OF FLOW AND LOCATION OF PLUMBING FIXTURE, EQUIPMENT AND PIPE LOCATIONS. THIS DETAIL IS FOR SCHEMATIC PURPOSES ONLY.

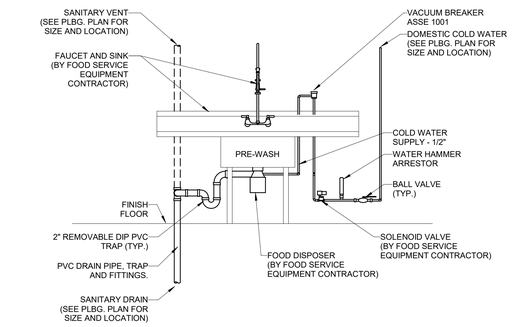


3 KITCHEN FOOD SERVICE DETAIL - COMBI OVEN

P4.1 Scale: Not To Scale

NOTE:

• SEE FLOOR PLAN FOR DIRECTION OF FLOW AND LOCATION OF PLUMBING FIXTURE, EQUIPMENT AND PIPE LOCATIONS. THIS DETAIL IS FOR SCHEMATIC PURPOSES ONLY.



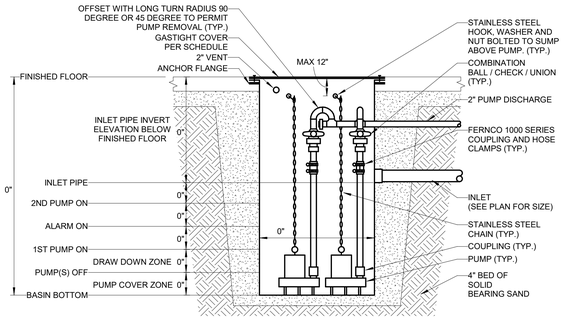
6 KITCHEN FOOD SERVICE DETAIL - PRE-WASH SINK / WORK TABLE

P4.1 Scale: Not To Scale

NOTE:

• SEE SANITARY EJECTOR CALCULATIONS DETAIL REFERENCE CODE FOR LETTER HEIGHT INFORMATION.

• PROVIDE 4" ANTI-FLOTATION FLANGE AND BOTTOM OF THE BASIN.



9 SEWAGE EJECTOR - TECH ED DETAIL

P4.1 Scale: Not To Scale

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AIR COMPRESSOR SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	SIZE (L" x W" x H")	FLOW (CFM)	TANK (GAL)	PRESSURE (PSIG)	HP	VOLTS/PHASE	MAX. PRESS. (PSIG)	NOTES
AC-1	QUINCY	QGS-20	ROTARY SCREW W/ DRYER	75" x 31" x 72"	82	120	125	20	208 / 3	150	(1)
AC-2	QUINCY	QGS-20	ROTARY SCREW W/ DRYER	75" x 31" x 72"	82	120	125	20	208 / 3	150	(1)

- ACCEPTABLE MANUFACTURERS: QUINCY, GARDNER DENVER, INGERSOLL RAND, EATON

- INCLUDE INLET AND OUTLET PARTICULATE FILTERS

(1) PROVIDE INTEGRATED DRYER 208V/1P

(2) PROVIDE EXTERNAL REFRIGERATED AIR DRYER PER THE CFM FLOW RATE WITH 120V/1P ELECTRICAL CONNECTIONS. QUINCY -...

(3) PROVIDE STAND ALONE COMPRESSED AIR RECEIVER AND DESICCANT FILTER FOR DUST COLLECTION.

BACKFLOW PREVENTER SCHEDULE

TAG	MANUFACTUR...	MODEL	LOCATION	MAX. PD. (PSI)	INDIRECT WASTE...	SIZE	VALVE TYPE	APPLICATI...	ASSE STD.	NOTES
BFP-1	WATTS	LF009-QT-S	KITCHEN	15.0	YES	3/4"	REDUCED PRESSURE	-	1013	(1)(6)
BFP-2	WATTS	LF009-QT-S	KITCHEN	15.0	YES	3/4"	REDUCED PRESSURE	-	1013	(1)(6)
BFP-3	WATTS	LF009-QT-S	FCS	15.0	YES	3/4"	REDUCED PRESSURE	-	1013	(1)(6)
BFP-4	WATTS	LF009-QT-S	FCS	15.0	YES	3/4"	REDUCED PRESSURE	-	1013	(1)(6)
BFP-5	WATTS	LF009-QT-S	GREENHOUSE	15.0	YES	3/4"	REDUCED PRESSURE	-	1013	(1)(6)

- ACCEPTABLE MANUFACTURERS: AMES, APOLLO, WATTS, ZURN/WILKINS.

(1) LEAD FREE BODY.

(6) PROVIDE AIR GAP FITTING.

CIRCULATING PUMP SCHEDULE

TAG	MANUFACTURER	MODEL	GPM	HEAD (FT)	MOTOR HP / WATTS	VOLTS / PHASE	NOTES
CP-1	BELL & GOSSETT	NBF-12	10	5	55 WATTS	115 / 1	(1)

- ACCEPTABLE MANUFACTURERS: BELL & GOSSETT, GRUNDFOS, TACO.

(1) PROVIDE INLINE AQUASTAT TO SHUT OFF PUMP AT A 10 DELTA T TEMPERATURE DROP OF SUPPLY OUTLET...

CLEANOUT SCHEDULE

TAG	MANUFACTUR...	MODEL	TYPE	APPLICATION	BODY MATERIAL	ACCESS COVER SIZE	ACCESS COVER MATERIAL	NOTES
CO	-	-	-	ABV. CLGS & EXPOSED PIPE	PVC	-	-	(1)
FCO-1	ZURN	Z1400-BZ1	FLOOR	PEDESTRIAN TRAFFIC AREAS	CAST IRON	8" DIA	NICKEL BRONZE	(2)
FCO-3	ZURN	Z1400	FLOOR	MECHANICAL ROOMS	CAST IRON	8" DIA	CAST IRON	-
FCO-4	ZURN	Z1400-HD	INTERIOR	VEHICLE TRAFFIC AREAS	CAST IRON	-	CAST IRON	-
WCO	ZURN	Z1469	WALL	WALL	PVC	9" DIA	STAINLESS ST.	(3)

- ACCEPTABLE MANUFACTURERS: J.R. SMITH, WATTS, ZURN, RECTOR SEAL

- RECESSED TAPER THREAD PLUG WITH SLOTTED RECESS.

(1) PROVIDE THREADED FEMALE ADAPTER WITH INTERNAL PLUG. ADAPTER MATERIAL SHALL MATCH PIPE MATERIAL TO WHICH CO IS BEING CONNECTED.

(2) PROVIDE CARPET MARKERS AS REQUIRED PER FLOOR TYPE.

(3) PROVIDE TEST/CLEANOUT TEE. THREADED PLUG WITH BRASS INSERT. MATERIAL SHALL MATCH PIPE MATERIAL TO WHICH TEE IS BEING CONNECTED.

DOMESTIC WATER PRESSURE BOOSTER PUMP

TAG	MANUFACTURER	MODEL	TYPE	MOUNTING	APPLICATION	TANK (GAL)	FLOW (GPM)	NO. PUMPS	PUMP FLOW	SUCTION (PSIG)	OUTLET (PSIG)	HP	FLA	VOLT / PHASE	NOTES
BP-1	MCCANN'S	16-3174	-	-	POINT OF USE	4	2	1	-	-	60	1/5	-	120/1	(1)

- ACCEPTABLE MANUFACTURERS: BELL & GOSSETT, GOULDS, MCCANN'S, GRUNDFOS

(1) SEE SPECIFICATIONS FOR MORE INFORMATION.

DRAIN SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	APPLICATION	BODY MATERIAL	STRAINER TOP SIZE	STRAINER TOP MATERIAL	NOTES
FD-1	ZURN	Z415-BZ1	FLOOR	PEDESTRIAN TRAFFIC AREAS	CAST IRON	7" DIA	NICKEL BRONZE	(1)(7)
FD-2	ZURN	Z507	FLOOR	MECH. RM. JANITOR CLT.	CAST IRON	7" DIA	CAST IRON	(1)(7)
FD-3	ZURN	Z508	FLOOR	VEHICLE STORAGE AREAS	CAST IRON	9" DIA	CAST IRON	(1)(8)
FS-1	ZURN	Z1900-2	FLOOR	FLOOR SINK	CAST IRON	12"x12"x6"	ALUM. DOME	(1)(5)
HD-1	ZURN	Z326	RECEPTOR	INDIRECT WASTE	NICKEL BRONZE	4" DIA	-	(2)
RD-1	ZURN	Z100-DP-EA	ROOF	PRIMARY DRAIN	CAST IRON	12"	CAST IRON	(3)
OD-1	ZURN	Z100-DP-EA-W3	ROOF	OVERFLOW DRAIN	CAST IRON	12"	CAST IRON	(3)
DSN-1	ZURN	ZANB-199-SS	WALL	DOWNSPOUT NOZZLE	NICKEL BRONZE	-	-	(4)

- ACCEPTABLE MANUFACTURERS: J.R. SMITH, WATTS, ZURN.

(1) PROVIDE FLASHING CLAMP FOR FLOORS WITH BUILDING STRUCTURE BELOW. SEE ARCHITECTURAL PLANS FOR LOCATIONS.

(2) RECEPTOR END SHALL BE ONE PIPE SIZE LARGER THAN TRAP SIZE.

(3) FOR NEW ROOFS PROVIDE ROOF DRAIN SUMP RECEIVER, UNDERDECK CLAMP, AND ADJUSTABLE EXTENSION. THE ROOF DRAIN SHALL BE SET 1/2" LESS THAN INSULATION THICKNESS AT ROOF DRAIN. SEE ARCHITECTURAL ROOF PLANS FOR MORE...

(4) PROVIDE STAINLESS STEEL SCREEN.

(5) PROVIDE 1/2 GRATE.

(7) PROVIDE TRAP SEAL - RECTORSEAL SURE SEAL

(8) PROVIDE SEDIMENT BUCKET.

EMERGENCY FIXTURE SCHEDULE

TAG	FIXTURE										MIXING VALVE					
	MANUFACTURER	MODEL	MOUNTING	OPERATION	BOWL MATERIAL	BOWL COVER	EYE WASH	FACE WASH	SHOWER	SHOWER HEAD MATERIAL	MANUFACTURER	MODEL	ASSE	DISCHARGE TEMP. (°F)	PRESSURE DROP (PSI)	NOTES
EEW-1	BRADLEY	S19224	WALL	HAND	STAINLESS	NO	YES	NO	NO	-	BRADLEY	S19-2000 (EFX8)	1071	80	5	-

- ACCEPTABLE MANUFACTURERS: BRADLEY, GUARDIAN, HAWS, SPEAKMAN.

- PROVIDE WITH CHROME PLATED YOKE ASSEMBLY WITH EYE WASH HEADS AND SPRAY HEAD COVERS, DOME STRAINER, MANUALLY OPERATED 1/2" STAY-OPEN BALL VALVE, 1 1/2" WASTE CONNECTION, AND WALL MOUNTABLE IDENTIFICATION...

- PROVIDE SHOWER WITH 1" IPS STAY-OPEN BALL VALVE OPERATED BY A STAINLESS STEEL PULL ROD WITH TRIANGULAR HANDLE.

(1) INSTALL MIXING VALVE EXPOSED INSIDE OF CASEWORK.

(2) INSTALL MIXING VALVE EXPOSED ON WALL.

(3) INSTALL MIXING VALVE EXPOSED ABOVE CEILING.

(4) INSTALL MIXING VALVE WITH CABINET ON WALL.

(5) MOUNT NEAR ASSOCIATED SINK BASIN. COORDINATE FINAL LOCATION WITH SINK BASIN AND FAUCET.

(6) MOUNT ON ASSOCIATED SINK BASIN. COORDINATE FINAL LOCATION WITH SINK BASIN AND FAUCET.

(7) PROVIDE ELECTRIC LIGHT AND ALARM HORN WITH SILENCING SWITCH. CONNECT TO BMS.

GREASE INTERCEPTOR SCHEDULE - EXTERIOR

TAG	MANUFACTURER	MODEL	TYPE	SIZE (L" x W" x H")	FLOW RATE (GPM)	GREASE CAPACITY (LBS.)	SOLIDS CAPACITY (GAL)	LIQUID CAPACITY (GAL)	INLET & OUTLET SIZE	NOTES
GI-8	WIESER	WWEHD10000	BELOW GROUND	156" x 84" x 87"	-	-	-	10,182	4"	-

- ACCEPTABLE MANUFACTURERS: CREST, WIESER

- FULLY RECESSED INTERCEPTORS TOPS FLUSH WITH FLOOR, PROVIDE EXTENSIONS AS REQUIRED AND ANCHOR FLANGE.

- EXTERIOR GREASE INTERCEPTOR SHALL HAVE A CONCRETE BODY WITH HIGH DUTY VEHICLE RATED MANHOLE COVERS.

HOSE BIBB SCHEDULE

TAG	MANUFACTUR...	MODEL	LOCATION	FREEZE PROOF	CONTROL	WATER...	NOTES
HB-1	WOODFORD	B67	EXTERIOR	YES	BOX w/ LOOSE KEY	COLD	-
HB-2	WOODFORD	26	INTERIOR	NO	METAL WHEEL HANDLE	COLD	-

- ACCEPTABLE MANUFACTURERS: ACORN, CHICAGO, WATTS, WOODFORD, ZURN.

(1) PROVIDE ROOF MOUNTING SYSTEM WITH DRAIN.

(2) HOSE BIBB FED FROM ABOVE/BELOW. PROVIDE VERTICAL CONNECTION.

HOSE REEL SCHEDULE

TAG	MANUFACTUR...	MODEL	TYPE	APPLICATION	MATERI...	RETRACTAB...	SIZE	HOSE...	QUICK...	NOTES
HR-1	HUBBELL	GHE3870-L	EXPOSED	COMPRESSED AIR	STEEL	YES	1/2"	70' (VERIFY)	FEMALE 3/8"	-

- ACCEPTABLE MANUFACTURERS: COXREELS, REELCRAFT

LAVATORY SCHEDULE

TAG	ADA (1)	BASIN							FAUCET					NOTES
		MANUFACTURER	MODEL	MOUNTING	DRAIN TYPE	FAUCET HOLES	CENTER OF HOLES	CARRIER	MANUFACTURER	MODEL	FLOW RATE (GPM)	SPRAY TYPE	OPERATION TYPE	
L-1	YES	KOHLER	K-2005	WALL	GRID	3	4"	YES	CHICAGO	802-VE2805-665-ABCP	0.5		METERED	(2)

- ACCEPTABLE MANUFACTURERS:

-BASIN: AMERICAN STANDARD, KOHLER, SLOAN, ZURN.

-FAUCETS: SLOAN.

-STOPS AND SUPPLIES: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

-DRAINS AND TRAPS: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

-CARRIERS AND SUPPORTS: ANCON, JOSAM, SMITH, WADE, ZURN.

- VITREOUS CHINA LAVS, 1-1/4" 17 GAUGE "P" TRAP WITH CLEANOUT PLUG, BUSHING ON END OF OUTLET TUBE, WALL FLANGE.

- ALL WETTED PARTS SHALL BE LEAD FREE COMPLIANT.

- PROVIDE OFFSET GRID DRAIN WITH TRUEBRO TRAP & SUPPLY GUARD FOR EXPOSED PIPING UNDER ADA ACCESSIBLE FIXTURES.

- PROVIDE BASINS WITH CENTER REAR DRAIN OUT-LET LOCATION FOR ADA ACCESSIBLE FIXTURES WITH CASE-WORK SHROUDS.

(1) SEE ARCHITECTURAL PLANS FOR LOCATIONS AND FINAL RIM HEIGHT ELEVATIONS.

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
EQUIPMENT SCHEDULES

Sheet Number:
P5.0

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12/19/2025 10:08:05 AM

SERVICE SINK SCHEDULE

TAG	MOUNTING	BASIN						FAUCET			NOTES
		MANUFACTURER	MODEL	MATERIAL TYPE	SIZE L/H" x W" x D"	SHAPE	DRAIN TYPE	RIM GUARD	MANUFACTURER	MODEL	BACKFLOW PREVENTER	
SS-1	FLOOR	MUSTEE	63M	DURASTONE	24" x 24" x 10"	SQUARE	GRID	(1)	CHICAGO	897RCP	(2)	(3)
SS-2	FLOOR	MUSTEE	18F	DURASTONE	40" x 24" x 14 3/8"	SQUARE		-	CHICAGO	1895-GN8AE3ABCP	(2)	(4)
SS-3	FLOOR	MUSTEE	40F	DURASTONE	40" x 24" x 14 3/8"	SQUARE		-	CHICAGO	1895-GN8AE3ABCP	(2)	(4)

- ACCEPTABLE MANUFACTURERS:

- BASIN: FIAT, MUSTEE, STERN WILLIAMS, JUST.

- FAUCET: CHICAGO, T&S BRASS, ZURN.

(1) BUMPER GUARDS ON EXPOSED RIMS.

(2) PROVIDE HOSE-END VACUUM BREAKER, ASSE 1011.

(3) PROVIDE STAINLESS STEEL 3 MOP HOLDER HANGER, HEAVY DUTY 5/8" DIAMETER REINFORCED RUBBER HOSE, AND STAINLESS STEEL HOSE BRACKET.

(4) PROVIDE SOLIDS INTERCEPTOR STRIEM SIDEKICK

SEWAGE EJECTOR SCHEDULE

TAG	LOCATION	BASIN			COVER			PUMP								NOTES
		MANUFACTURER	MATERIAL TYPE	SIZE	MANUFACTURER	MODEL	TYPE	MANUFACTURER	MODEL	TYPE	QTY.	GPM EACH	TOTAL HEAD	HP EACH	VOLT / PHASE	
SE-1	KITCHEN	TOPP	FIBERGLASS	(1)	TOPP	STEEL	STEEL (2)	LIBERTY	LSGX202M	GRINDER	2	40	21.5	2		(3)(5)
SE-2	TECH ED	TOPP	FIBERGLASS	(1)	TOPP	?	STEEL (2)	LIBERTY	LSGX202M	GRINDER	2	40	21.5	2		(3)(5)

- ACCEPTABLE MANUFACTURERS:

- BASIN: TOPP INDUSTRIES, AK INDUSTRIES, WEIL.

- COVER: TOPP INDUSTRIES, AK INDUSTRIES, WEIL.

- PUMP: LIBERTY, ZOELLER, WEIL, LITTLE GIANT.

- CONCRETE STRUCTURE: CONCRETE SPECIALTIES, COUNTY MATERIALS, WIESER OR EQUAL.

- COVER: NEENAH, OR EQUAL.

- PUMP: HYDRO-MATIC, MYERS, GOULDS, WEIL, ZOELLER.

- PROVIDE "LIBERTY" BCV SERIES COMBINATION BALL/CHECK VALVE FOR PUMP DISCHARGE.

(1) SEE DETAIL FOR BASIN SIZE AND CONTROL LEVEL DIMENSIONS.

(2) PROVIDE COVER WITH INSPECTION PLATE, COVER PLATE, DISCHARGE/VENT FLANGES AND CORD GROMMETS.

(3) PROVIDE CONTROLLER, CONTROL FLOAT SWITCHES, ALARM LIGHT AND HORN, INDIVIDUAL PUMP RUN INDICATOR LIGHTS, ALARM TEST AND SILENCE SWITCHES, HOA SWITCH, DRY AUX CONTACTS, NEMA 1 ENCLOSURE, AND...

(4) VEHICLE TRAFFIC TYPE, GAS TIGHT SOLID COVER LID WITH IRON RING

(5) PROVIDE PUMP SLIDE RAILS.

(6) EXPLOSION PROOF.

SINK SCHEDULE

TAG	ADA (1)	BASIN						FAUCET								NOTES
		MANUFACTURER	MODEL	NO. OF COMP	MOUNTING	SIZE L" x W" x D"	DRAIN TYPE	MANUFACTURER	MODEL	FAUCET QTY.	SPOUT REACH	SPOUT HEIGHT	FLOW RATE (GPM)	SPRAY TYPE	HANDLE	
S-1	YES	JUST	SLADA1921A553-J	1	TOP-MOUNT	22" x 19-1/2" x 5-1/2"	BASKET	CHICAGO	1100-GN8AE35-317AB	1	8"	8"	1.5	AERATED	WRIST BLADE	-
S-2	YES	JUST	DLADA1933A553-J	2	TOP-MOUNT	33" x 19-1/2" x 5-1/2"	BASKET	CHICAGO	1100-GN8AE35-317AB	1	8"	8"	1.5	AERATED	WRIST BLADE	-
S-3	NO	JUST	SB230-24R-2-J	2	FLOOR MOUNT WITH LEGS PER NSF	55" x 27-1/2" x 14"	BASKET	CHICAGO	631-GN8AE3ABCP	2	8"	8"	1.5	AERATED	WRIST BLADE	(2)(14)(15)

- ACCEPTABLE MANUFACTURERS:

- BASIN: ADVANCE TABCO, JUST, ELKAY.

- FAUCETS: CHICAGO, T&S BRASS, ZURN.

- STOPS AND SUPPLIES: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

- DRAINS AND TRAPS: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

- MATERIAL: 18 GAUGE 304 STAINLESS STEEL SINK, ANGLE SUPPLIES WITH STOPS WITH BRASS STEMS.

- PROVIDE EACH COMPARTMENT WITH STAINLESS STEEL BASKET TYPE STRAINER, STAINLESS STEEL TAILPIECE , AND 1-1/2" 17 GAUGE "P" TRAP W/ CLEANOUT.

- VERIFY SINK CUTOUT SIZE WILL FIT IN COUNTERTOP WITH CABINET SHOP DRAWINGS PRIOR TO ORDERING.

(1) PROVIDE OFFSET GRID DRAIN WITH TRUEBRO TRAP & SUPPLY GUARD FOR ADA ACCESSIBLE SINK. SEE ARCHITECTURAL PLANS FOR LOCATIONS.

(14) PROVIDE FAUCET HOLE CONFIGURATION 4 TO ALLOW FOR TWO FAUCETS.

(15) PROVIDE SINK BASIN RIM HEIGHT OF 31" ABOVE FINISH FLOOR. MODIFY LEGS AS REQUIRED.

VALVE BOX SCHEDULE

TAG	MANUFACTURER	MODEL	APPLICATION	VALVE	BOX MATERIAL	WATER INLET SIZE	WATER OUTLET SIZE	DRAIN SOCKET SIZE	NOTES
VB-1	SIOUX CHIEF	696-G1010	COFFEE / ICE MAKER	1/4 TURN	PLASTIC	1/2" COLD	3/8" COMP.	-	(1)(2)
VB-2	SIOUX CHIEF	696-2313MF	WASHING MACHINE	1/4 TURN	PLASTIC	1/2" HOT & COLD	3/4" HOSE	2"	(2)

- ACCEPTABLE MANUFACTURERS: SIOUX CHIEF, SYMMONS, GUY GRAY.

- ABS PLASTIC BOX AND FRAME, GALVANIZED STEEL MOUNTING BRACKET, BRASS VALVE BODY, INTEGRAL WATER HAMMER ARRESTOR AND...

(1) PROVIDE DUAL CHECK VALVE THAT COMPLIES WITH ASSE1024.

(2) WATER HAMMER ARRESTORS SHALL COMPLY WITH ASSE 1010.

(3) STANDPIPE RIM 36" A.F.F.

WASH FOUNTAIN SCHEDULE

TAG	ADA (1)	MANUFACTURER	MODEL	MOUNTING	SIZE L" x W" x D"	DRAIN TYPE	GPM	OPERATION TYPE	FINISH	NOTES
WF-1	YES	BRADLEY	SN2004-A-STD-IRP-NSD-TMA-BS	WALL	20" x 18 "x 8-1/2"	GRID	0.5	SENSOR	ST. STL.	(2)

- ACCEPTABLE MANUFACTURERS:

- BASIN: BRADLEY.

- STOPS AND SUPPLIES: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

- DRAINS AND TRAPS: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

(1) SEE ARCHITECTURAL PLANS FOR LOCATIONS.

(2) BATTERY POWERED. PROVIDE BELOW DECK POINT OF USE THERMOSTATIC MIXING VALVE SHALL COMPLY WITH ASSE 1016.

(3) PROVIDE STAINLESS STEEL SHROUD.

WATER CLOSET SCHEDULE

TAG	ADA (1)	BOWL					TANK		FLUSH VALVE				SEAT		NOTES
		MANUFACTURER	MODEL	MOUNTING	RIM HT. A.F.F.	CARRIER	TYPE	GAL. PER FLUSH	MANUFACTURER	MODEL	GAL. PER FLUSH	OPERATION TYPE	MANUFACTURER	MODEL	
WC-1	YES	KOHLER	K-84325-0	WALL	17"	YES	-	-	SLOAN	SLOAN 111-1.6	1.6	LEVER	BEMIS	1655SSCT	-

- ACCEPTABLE MANUFACTURERS:

- BOWL: KOHLER

- FLUSH VALVE: SLOAN

- TANK: KOHLER

- SEAT: BEMIS, CHURCH.

- STOPS AND SUPPLIES: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.

- CARRIER AND SUPPORT: J.R. SMITH, WADE, ZURN.

- CONTROLS FOR ADA ACCESSIBLE FIXTURES SHALL BE ON THE OPEN SIDE.

(1) SEE ARCHITECTURAL PLANS FOR LOCATIONS.

WATER HEATER SCHEDULE - GAS

TAG	MANUFACTURER	MODEL	TYPE	DIMENSIONS	FUEL	INPUT (MBH)	OUTPUT (MBH)	REC. (1) (GPH)	TANK SIZE (GAL)	SUPPLY TEMP. (°F)	VOLTAGE / PHASE	NOTES
WH-1	HTP	PH100-80	TANK	23" DIA x 72" H X 34" W	NATURAL GAS	100,000	100	189	80	125	120/1	(2)(3)

- ACCEPTABLE MANUFACTURERS: A.O. SMITH, LOCHINVAR, AERCO BY WATTS.

(1) RECOVERY BASED ON 100°F TEMPERATURE RISE.

(2) PROVIDE WITH CONCENTRIC VENT KIT.

(3) PROVIDE CONDENSATE DRAIN WITH NEUTRALIZER KIT PRIOR TO DISCHARGING TO SANITARY DRAINAGE SYSTEM.

(5) STAINLESS STEEL HEAT EXCHANGER

WELDING GAS TERMINATION SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	APPLICATION	SIZE	MAX. INLET (PSIG)	MAX. OUTLET (PSIG)	QUICK DISCONNECT	MOUNT. HEIGHT A.F.F.	NOTES
WGT-1	VICTOR	0781-3609	FLOWMETER / REGULATOR	ARGON, CARBON DIOXIDE	1/2"	3,000	25	FEMALE 5/8"	48"	(1)
WGT-2	VICTOR	0781-5281	FLOWMETER / REGULATOR	ARGON, CARBON DIOXIDE	1/2"	3,000	80	FEMALE 5/8"	48"	(1)

- ACCEPTABLE MANUFACTURERS: MILLER, VICTOR

(1) BRASS BODY

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

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FIXTURE SCHEDULES

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12/19/2025 10:08:08 AM

ELECTRICAL SYMBOLS AND ABBREVIATIONS

THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST - NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS.

ELECTRICAL DISTRIBUTION EQUIPMENT

- UTILITY TRANSFORMER
- UTILITY TRANSFORMER
- CT CABINET AND METER SOCKET
- GSAP — GENERATOR ANNUNCIATOR PANEL FLUSH OR SURFACE
- PANEL - NEW SURFACE MOUNTED; TAG = "XX"
- PANEL - NEW FLUSH MOUNTED; TAG = "XX"
- PANEL - EXISTING SURFACE MOUNTED; TAG = "XX"
- PANEL - EXISTING FLUSH MOUNTED; TAG = "XX"
- TRANSFORMER - FLOOR MOUNT; TAG = "T-XX"
- TRANSFORMER - WALL MOUNT; TAG = "T-XX"
- TRANSFER SWITCH; TAGS = "ATS-XXX-Y", "MTS-XXX-Y"
  TAGS XXX, 700=EMERGENCY SYSTEM
  701=LEGALLY REQUIRED STANDBY SYSTEM
  702=OPTIONAL STANDBY SYSTEM
  TAG Y=SYSTEM NUMBER
- SURGE PROTECTION DEVICE; TAG = SPD
  CONTACTOR ENCLOSURE PANEL; TAG = CX
  X = CONTACTOR NUMBER

MOTOR CONTROL

- X — HEAVY DUTY DISCONNECT; TAG XX, WP=WEATHERPROOF, F=FUSIBLE
- NON-COMBINATION STARTER
- COMBINATION STARTER
- MS — MANUAL STARTER
- X — MOTOR OUTLET TERMINAL, ON ROOF MOUNTED UNITS PROVIDE WEATHER PROOF DISCONNECTS. X = HORSE POWER OR MOTOR NUMBER IF SCHEDULE IS PROVIDED

WIRING DEVICES

SWITCHES

- SX — SINGLE POLE SWITCH; TAG X, 3=3 WAY, 4=4 WAY, D=DIMMER, I=ILLUMINATED, K=KEYED, M=MOTION SENSOR SWITCH, P=PILOT, R=RELAY, WP=WEATHERPROOF, LVX=LOW VOLTAGE, TAG X = INDICATES NUMBER OF BUTTONS AT EACH SWITCH LOCATION
- $X — SWITCH TO BE DEMOLISHED, X = ABBREVIATIONS ABOVE
- SINGLE PUSH BUTTON - ADA DOOR BUTTON
  ADDITIONAL FUNCTIONALITY DEFINED ON PLANS
- UP/DN PUSH BUTTON
- MULTI PUSH BUTTON

RECEPTACLES

NO TAG=STANDARD RECEPTACLE, TAGS X, ARC=ARC FAULT RATED, CM=CEILING MOUNTED, CW=CLOTHES WASHER, D=EXTRA DEEP, DW=DISH WASHER, EWC=ELECTRIC WATER COOLER, FM=FLOOR MOUNTED, FR=FREEZER, HG=HOSPITAL GRADE, GD=GARBAGE DISPOSER, GFI=GROUND FAULT INTERRUPTER, GR=GAS RANGE, ICE=ICE MACHINE, IG=ISOLATED GROUND, MIC=MICROWAVE, REF=REFRIGERATOR, SP=SURGE PROTECTED, UCREF=UNDER COUNTER REFRIGERATOR, DEVICE, UPS=UNINTERRUPTED POWER SUPPLY, USB=UNIVERSAL SERIAL BUS, VM=VENDING MACHINE, WP/GFI=WEATHER PROOF/GROUND FAULT INTERRUPTER

- X — RECEPTACLE - SINGLE OR SIMPLEX
- X — RECEPTACLE - DUPLEX
  LINE INDICATES DEVICE MOUNTED AT 42" TO CENTER. NO LINE INDICATES DEVICE MOUNTED AT STANDARD HEIGHT UNLESS TAGGED OTHERWISE, TYPICAL ALL RECEPTACLE TYPES AND BLANK BOXES
- XX — RECEPTACLE - TAG XX, CD=CLOTHES DRYER (NEMA14-30R) ER=ELECTRIC RANGE (NEMA14-50R), K=KILN W=WELDER (NEMA 6-50R)
- X — RECEPTACLE - DUPLEX MOUNTED ABOVE COUNTER
- X — RECEPTACLE - DUPLEX WITH TOP HALF SWITCHED
- X — RECEPTACLE - DOUBLE DUPLEX
- X — RECEPTACLE - DUPLEX TRIPLE
- X — RECEPTACLE - DUPLEX QUAD
- X — BLANK OUTLET FOR FUTURE DEVICES 4" BOX, SINGLE GANG RING, BLANKPLATE, 1"C. STUBBED INTO ACCESSIBLE CEILING

WIRING DEVICES

MISCELLANEOUS

- SURFACE RACEWAY
  EQUIPMENT CONNECTION
- X — SPECIAL OUTLET, TAG = NUMBER ON SCHEDULE
- H — ELECTRIC HAND/HAIR DRYER
- X — DUAL SERVICE FLOOR BOX, TAG = TYPE IN SPECS
- X — SINGLE SERVICE FLOOR BOX, TAG = TYPE IN SPECS
- X — POKE THROUGH FLOOR BOX, TAG = TYPE IN SPECS
- CD — CORD DROP
- CR — CORD REEL
- LB — 90° CONDUIT BODY - THROUGH WALL
- LR — 90° CONDUIT BODY - TURN RIGHT
- LL — 90° CONDUIT BODY - TURN LEFT
- X EV — ELECTRIC VEHICLE CHARGING STATION, SEE PLANS FOR TYPES
- X RV — RECREATIONAL VEHICLE CHARGING STATION, SEE PLANS FOR TYPES
- X SP — MARINA SHORE POWER STATION, SEE PLANS FOR TYPES
- PP — POWER POLE - CEILING DOWN TO FLOOR
- J — J-BOX
- CONDUIT STUB THROUGH WALL BUSHED EACH END
- CABLE TRAY

LIGHTING

FIXTURES

- X — LIGHT FIXTURE - POLE MOUNTED;
  TAG = TYPE IN FIXTURE SCHEDULE
- X — LIGHT FIXTURE - CEILING MOUNTED FLUSH OR SURFACE;
  TAG = TYPE IN FIXTURE SCHEDULE
- X — WALL MOUNTED - FLUSH OR SURFACE;
  TAG = TYPE IN FIXTURE SCHEDULE
- X — LIGHT FIXTURE - FLUSH OR SURFACE;
  TAG = TYPE IN FIXTURE SCHEDULE
- EMERGENCY BATTERY UNIT LIGHT - WALL MOUNTED
- EMERGENCY BATTERY UNIT LIGHT - CEILING MOUNTED
- REMOTE EMERGENCY LIGHT

EXITS

- EXIT LIGHT - ONE FACE
  LINES REPRESENT WALL MOUNTED. NO LINES REPRESENT CEILING MOUNTED, TYPICAL ALL EXITS
- EXIT LIGHT - ONE FACE WITH EMERGENCY HEADS
  ARROWS INDICATE DIRECTION TO EXIT
- EXIT LIGHT - TWO FACE

SENSORS

PROVIDE RECOMMENDED SENSORS BY LIGHTING CONTROL SUPPLIER

- DUAL TECHNOLOGY OCCUPANCY SENSOR
  LINES REPRESENT WALL MOUNTED. NO LINES REPRESENT CEILING MOUNTED, TYPICAL ALL SENSORS
- MULTI DIRECTION DUAL TECHNOLOGY OCCUPANCY SENSOR
- U — ULTRASONIC OCCUPANCY SENSOR
- L — LONG THROW OCCUPANCY SENSOR
- HB — HIGH BAY OCCUPANCY SENSOR
- PC — PHOTOCELL
- DA — DAYLIGHT SENSOR

FIRE ALARM PANELS & FIRE ALARM SUPPORT ITEMS

- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL, FLUSH OR SURFACE
- FAPS — FIRE ALARM POWER SUPPLY
- FACC — FIRE ALARM COMMAND CENTER WITH MICROPHONE
- FM — FIRE ALARM MICROPHONE ENCLOSURE, FLUSH OR SURFACE
- RTS — REMOTE TEST SWITCH

NOTIFICATION APPLIANCE

TAGS X=CANDELA LEVEL, EX=EXPLOSION PROOF, WP=WATERPROOF

- X — WALL MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
- X — WALL MOUNTED AUDIO (VOICE) / VISUAL NOTIFICATION APPLIANCE
- WALL MOUNTED FIRE ALARM SPEAKER
- S X — WALL MOUNTED VISUAL NOTIFICATION APPLIANCE
- X — CEILING MOUNTED AUDIO (HORN) / VISUAL NOTIFICATION APPLIANCE
- X — CEILING MOUNTED AUDIO (VOICE) /VISUAL NOTIFICATION APPLIANCE
- CEILING MOUNTED FIRE ALARM SPEAKER
- S X — CEILING MOUNTED VISUAL NOTIFICATION APPLIANCE
- F — WALL MOUNTED AUDIO (HORN) NOTIFICATION APPLIANCE
- B — WALL MOUNTED BELL
- MH — MAGNETIC DOOR HOLDER
- EH — ELECTRIC DOOR HOLDER
- CM — ADDRESSABLE CONTROL MODULE

FIRE ALARM

INITIATION DEVICE

- XX F — MANUAL PULL STATION; TAG XX, LC=LEXAN COVER, EX=EXPLOSION PROOF, WP=WEATHERPROOF
- G — GAS DETECTOR
- H — HEAT DETECTOR
- S — SMOKE DETECTOR
- S — SMOKE DETECTOR WITH SOUNDER BASE
- DS — DUCT SMOKE DETECTOR
- ES — ELEVATOR SMOKE DETECTOR
- CM — CARBON MONOXIDE DETECTOR
- FS — SPRINKLER FLOW SWITCH
- PS — SPRINKLER PRESSURE SWITCH
- TS — SPRINKLER TAMPER SWITCH
- ADDRESSABLE MONITOR MODULE

COMMUNICATION

DATA RACKS

TAGS, TC#X = TELECOMMUNICATION CLOSET NUMBER

- DATA RACK - OPEN FRAME 2 POST FLOOR MOUNTED
- DATA RACK - OPEN FRAME 4 POST FLOOR MOUNTED
- DATA RACK - OPEN FRAME WALL MOUNTED
- DATA RACK - ENCLOSED WALL MOUNTED
- GROUND BAR

DATA / IP PHONE, WAP & TELEPHONE DEVICES

TAGS X, NO TAG=SINGLE DROP, NUMBER INDICATES NUMBER OF DROPS IN EACH LOCATION, A=ATTENDANCE SCANNER, C=IP SECURITY CAMERA, K=KEYLESS ENTRY, USB=UNIVERSAL SERIAL BUS, V=VAPE SENSOR, W=WALL PHONE, PROVIDE 4" SQUARE DEEP BOX, 1-GANG RING, 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING.

- X — DATA / IP PHONE OUTLET (STANDARD HEIGHT)
- X — DATA / IP PHONE OUTLET (MOUNTED AT 42" TO CENTER)
- WAP X — WIRELESS ACCESS POINT DATA OUTLET
- CDF X — COILED DATA FOR FUTURE USE
- X X — DATA / TELEPHONE OUTLET (STANDARD HEIGHT)
- X X — DATA / TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)
- X — TELEPHONE OUTLET (STANDARD HEIGHT)
- X — TELEPHONE OUTLET (MOUNTED AT 42" TO CENTER)

SOUND SYSTEM INPUTS PAGING/INTERCOM SYSTEM

TAGS XX, NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM

- XX A — AUXILIARY/INPUT SOUND JACK
- XX M — MICROPHONE OUTLET
- XX MC — ADMINISTRATION STATION SEE SOUND SYSTEM RISER
- XX V — VOLUME CONTROL
- C — WALL MOUNTED CALL-IN SWITCH BOX OR HANDSET

SPEAKERS

TAGS XX, NO TAG=GENERAL PUBLIC ANNOUNCEMENTS, AS=AUDITORIUM, CL=CLASSROOM, CS=CAFETERIA, FH=FIELD HOUSE, FS=FITNESS, GS=GYM, IP=INFRASTRUCTURE, MP=MULTI-PURPOSE, PS=POOL, WS=WEIGHT ROOM, WP=WEATHER PROOF

- XX W — SPEAKER - WALL RECESSED MOUNTED
- XX W — SPEAKER - WALL SURFACE MOUNTED WITH METAL ENCLOSURE
- XX W — SPEAKER - WALL SURFACE MOUNTED - TWO SIDED
- XX W — SPEAKER - WALL BRACKET MOUNTED
- XX H — SPEAKER HORN - WALL SURFACE MOUNTED
- XX C — SPEAKER - CEILING RECESSED MOUNTED
- XX C — SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE
- XX C — SPEAKER - CEILING SURFACE MOUNTED WITH METAL ENCLOSURE - TWO SIDED
- XX P — SPEAKER - PENDANT MOUNTED
- XX P — SPEAKER - PENDANT MOUNTED - TWO SIDED
- XX — SPEAKER LOUD - SUSPENDED

PUBLIC ANNOUNCEMENT INDICATION DEVICE

- S — PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - WALL MOUNTED
- S — PUBLIC ANNOUNCEMENT INDICATION STROBE LIGHT - CEILING MOUNTED

COMMUNICATION

CLOCKS

TAGS XX, NO TAG=ANALOG, DI=DIGITAL, DS=DIGITAL W/ DATA & W/SPEAKER, DSF=DIGITAL W/SPEAKER & FLASHER, DV=DIGITAL VIDEO DISPLAY WITH DATA, IP=INFRASTRUCTURE SYNCHRONIZED TIMEKEEPING SYSTEM VIA NETWORK TIME PROTOCOL WG=WIRE GUARD

- XX — CLOCK - WALL MOUNTED - SINGLE FACE
- XX — CLOCK - WALL MOUNTED - TWO FACE
- XX — CLOCK - CEILING SURFACE MOUNTED - TWO FACE
- WG — CLOCK / SPEAKER BAFFLE - COMBINATION

TECHNOLOGY

- D — HDMI OUTLET
- TV — COAX OUTLET
- CEILING MOUNTED PROJECTOR PLATE
- P — MEDIA DELIVERY INPUT
- PP — MEDIA DELIVERY LOCATION

MISCELLANEOUS

- ARS — AREA OF REFUGE (CALL BOX) / TWO-WAY COMMUNICATION SYSTEM
- ARM — AREA OF REFUGE MASTER (BASE STATION) / TWO-WAY COMMUNICATION SYSTEM
- TWC — TWO-WAY COMMUNICATION (CALL BOX)
- TWCM — TWO-WAY COMMUNICATION MASTER (BASE STATION)

SECURITY

DOOR CONTROL

- AI — 2 WAY INTERCOM SYSTEM DOOR STATION
- AM — 2 WAY INTERCOM SYSTEM MASTER STATION
- AO — AUTOMATIC DOOR OPENER
- CA — COMBINATION CARD READER AND KEY PAD
- CR — CARD READER
- DB — DURESS BUTTON
- DC — DOOR POSITION SWITCH CONTACT
- DP — DOOR POSITION SWITCH
- EL — ELECTRIC TRIM LATCH
- ES — ELECTRIC DOOR STRIKE
- GB — GLASS BREAK SENSOR
- KP — KEY PAD
- LS — LIMIT SWITCH
- M — SECURITY SYSTEM MOTION DETECTOR CEILING MOUNTED 360°
- M — SECURITY SYSTEM MOTION DETECTOR - WALL MOUNTED
- ML — MAGNETIC LOCK
- P — PANIC PULL STATION
- RX — REQUEST TO EXIT
- SS — SECURITY STROBE
- SINGLE PUSH BUTTON - FUNCTIONALITY DEFINED ON PLANS

CAMERAS

- SECURITY CAMERA - DIRECTIONAL
  LINES REPRESENT WALL OR POLE MOUNTED NO LINES REPRESENT CEILING MOUNTED (TYPICAL)
- SECURITY CAMERA - 90°
- SECURITY CAMERA - 180°
- SECURITY CAMERA - 270°
- SECURITY CAMERA - 360°

HEALTHCARE

- NH — NURSE CALL LIGHT
- N — NURSE CALL BEDSIDE STATION
- NS — NURSE CALL STAFF ACKNOWLEDGE
- NS — NURSE CALL CONTROL ROOM STATION
- NCPS — NURSE CALL POWER SUPPLY

GENERAL

ANNOTATION SYMBOLS

- X — REFERS TO PLAN NOTE NUMBER
- XXX — SPECIALTY EQUIPMENT REFERENCE TAG
- XX / XXX — DETAIL NUMBER / SHEET NO. WHERE DETAIL IS LOCATED

LINE LEGEND

- CIRCUIT HOMERUN TO 20A/1P BREAKER UNLESS SHOWN OTHERWISE ON DRAWINGS.
- INDICATES ITEMS CONNECTED TO SAME CIRCUIT BUT CONTROLLED SEPARATELY
- INDICATES ITEMS CONNECTED TO SAME CIRCUIT AND CONTROLLED TOGETHER

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CCU	COOLING CONDENSER UNIT
CKT	CIRCUIT
CM	CEILING MOUNTED
CT	CURRENT TRANSFORMER
CON	CONTACTOR
CP	CONTROL PANEL
CUH	CABINET UNIT HEATER
DIS	DISCONNECT
DM	DEMARC
EB	EXISTNG BREAKER TO REMAIN UNLESS NOTED OTHERWISE
EBB	ELECTRICAL BASE BOARD
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EL	ELEVATION
EM	EMERGENCY
EQ	EQUIPMENT
EOL	END OF LINE RESISTOR
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
EX	EXPLOSION PROOF
F	FUSIBLE PROOF
FBO	FURNISHED BY OTHERS
FC	VARIABLE SPEED FAN CONTROL SWITCH
FR	FREEZER
FSD	FIRE SMOKE DAMPER
GC	GENERAL CONTRACTOR
(GFI)	GROUND FAULT INTERRUPTER BREAKER LOCATED IN ELECTRICAL PANEL
GND	GROUND
GSP	GYM SWITCH PANEL
GUH	GAS UNIT HEATER
HF	HEAT FAN
HP	HORSE POWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IDF	INTERMEDIATE DISTRIBUTION FRAME
JB	JUNCTION BOX
MAU	MAKEUP AIR UNIT
MB	MOTORIZED BACKBOARD
MC	MECHANICAL CONTRACTOR
MDF	MAIN DISTRIBUTION FRAME
MOD	MOTOR OPERATED DAMPER
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OHD	OVERHEAD DOOR
OC	ON CENTER
PDB	PUNCH DOWN BLOCK
PNL	PANELBOARD
PS	POWER SUPPLY
RCP	RELAY CONTROL PANEL
RTU	ROOF TOP UNIT
SAP	SECURITY ANNUNCIATOR PANEL
SCP	SECURITY CONTROL PANEL
SD	SMOKE DAMPER
SJB	SOUND SYSTEM JUNCTION BOX
SPD	SURGE PROTECTION DEVICE
SS	STAINLESS STEEL
SV	SOLENOID VALVE
TC	TELECOMMUNICATION CLOSET
TCP	TEMPERATURE CONTROL PANEL
TGB	TELECOMMUNICATION GROUND BAR MASTER
TJB	TERMINAL JUNCTION BOX
TRN	TRANSFORMER
TRS	TRANSFER SWITCH
TTB	TELEPHONE TERMINAL BOARD
UC	UNDERCOUNTER
UPS	UNINTERRUPTED POWER SUPPLY
UH	UNIT HEATER
VFD	VARIABLE FREQUENCY DRIVE
W	WELDER
WE	WALL EXHAUST
WG	WIRE GUARD
WH	WATER HEATER
WP	WEATHER PROOF
WP/GFI	WEATHER PROOF / GROUND FAULT INTERRUPTER
XP	CLASS 1, DIV. 1 EQUIPMENT

ELECTRICAL SHEET LIST

Sheet Number	Sheet Name
E0.0	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.0S	SITE PLAN - ELECTRICAL DEMOLITION
E0.1B	UNIT B - FIRST FLOOR DEMO PLAN
E0.1F	UNIT F - FIRST FLOOR DEMO PLAN
E0.1G	UNIT G - FIRST FLOOR DEMO PLAN
E1.0S	SITE PLAN - ELECTRICAL
E1.1BL	UNIT B - FIRST FLOOR PLAN - LIGHTING
E1.1BP	UNIT B - FIRST FLOOR PLAN - POWER
E1.1FL	UNIT F - FIRST FLOOR PLAN - LIGHTING
E1.1FP	UNIT F - FIRST FLOOR PLAN - POWER
E1.1G	UNIT G - FIRST FLOOR PLAN - ELECTRICAL
E1.2F	UNIT F - MEZZANINE FLOOR PLANS
E2.0	ENLARGED KITCHEN PLAN
E2.1	ENLARGED KITCHEN PLAN SCHEDULE
E3.0	OVERALL FIRST FLOOR - FIRE ALARM
E3.1	FIRE ALARM DETAILS
E4.0	OVERALL SECURITY FLOOR PLANS
E4.1	OVERALL FIRST FLOOR - HVAC/ PLUMBING ELECTRICAL
E5.0	ONE LINE DIAGRAM & SCHEDULES
E5.1	DETAILS
E5.2	DETAILS
E5.3	DATA ROUTING PLANS
E5.4	DATA ROUTING DETAILS
E6.0	SHOP ELECTRICAL EQUIPMENT SCHEDULES
E6.1	LIGHTING FIXTURE SCHEDULE

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ELECTRICAL SYMBOLS AND ABBREVIATIONS

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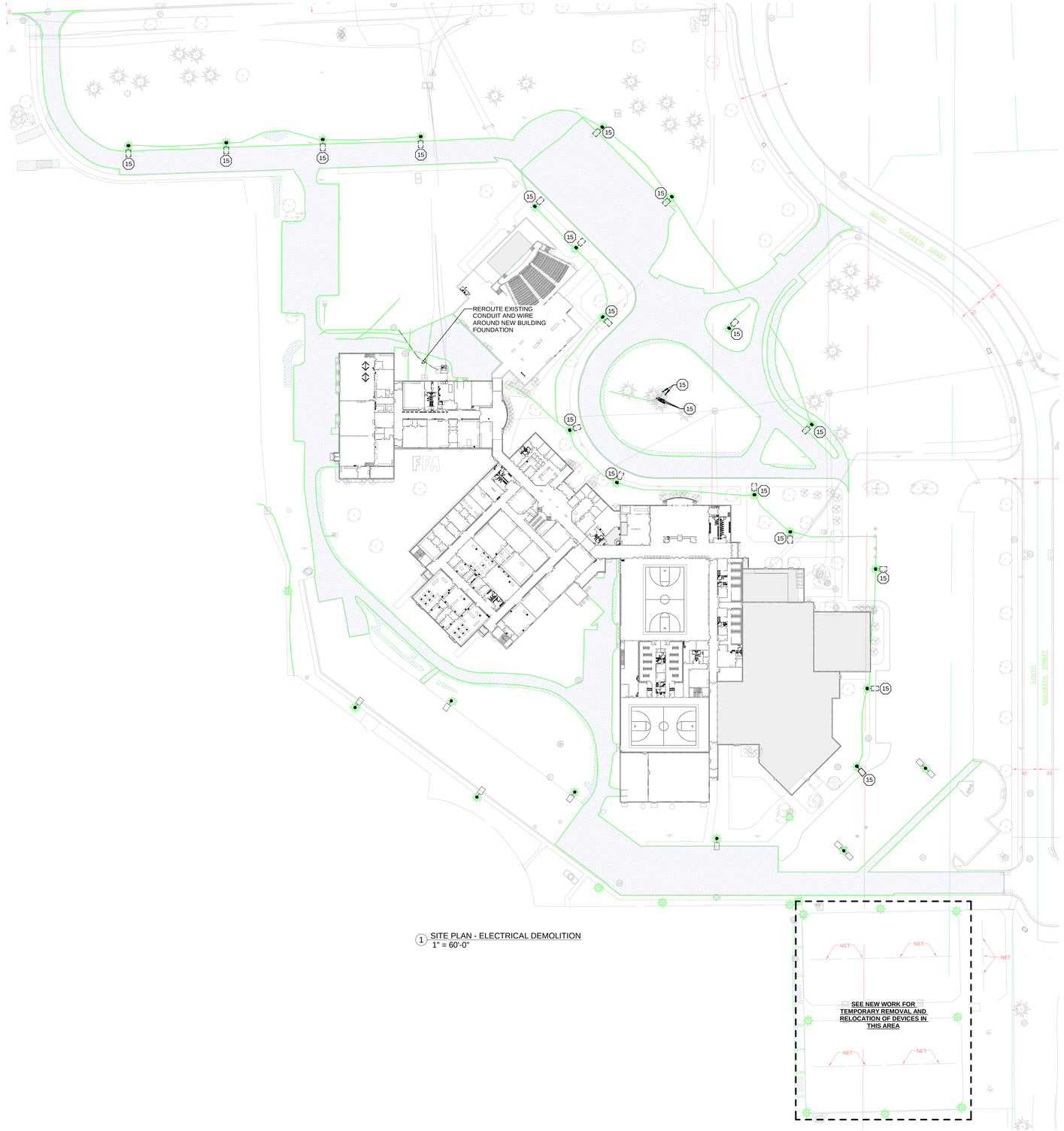

1 SITE PLAN - ELECTRICAL DEMOLITION
1" = 60'-0"

GENERAL NOTES

1. ALL DEVICES AND EQUIPMENT SHOWN ARE EXISTING TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE. SEE PLAN NOTES FOR SPECIFIC WORK REQUIRED.
2. DEVICES AND EQUIPMENT SHOWN ON DRAWINGS ARE NOT ALL INCLUSIVE. EVALUATE EXISTING CONDITIONS AND REMOVE ALL ELECTRICAL EQUIPMENT AND DEVICES AS NEEDED TO ACCOMMODATE DEMOLITION OF EXISTING AREAS.
3. VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE ESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING ONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.
4. BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITIONS WHEN ELECTRICAL WORK HAS COMPROMISED THE SITE.

PLAN NOTES (X)

15	REMOVE EXISTING LIGHTING FIXTURE, POLE, AND WIRING, CIVIL TO REMOVE POLE BASES. ABANDON EMPTY CONDUIT UNDERGROUND. REMOVE WIRE BACK TO SOURCE AND REMOVE CONDUIT AND WIRE BACK TO SOURCE WHERE ROUTED INTERIOR TO THE HIGH SCHOOL. RETAIN EXISTING BREAKERS FOR REUSE IN NEW WORK.

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SITE PLAN - ELECTRICAL DEMOLITION

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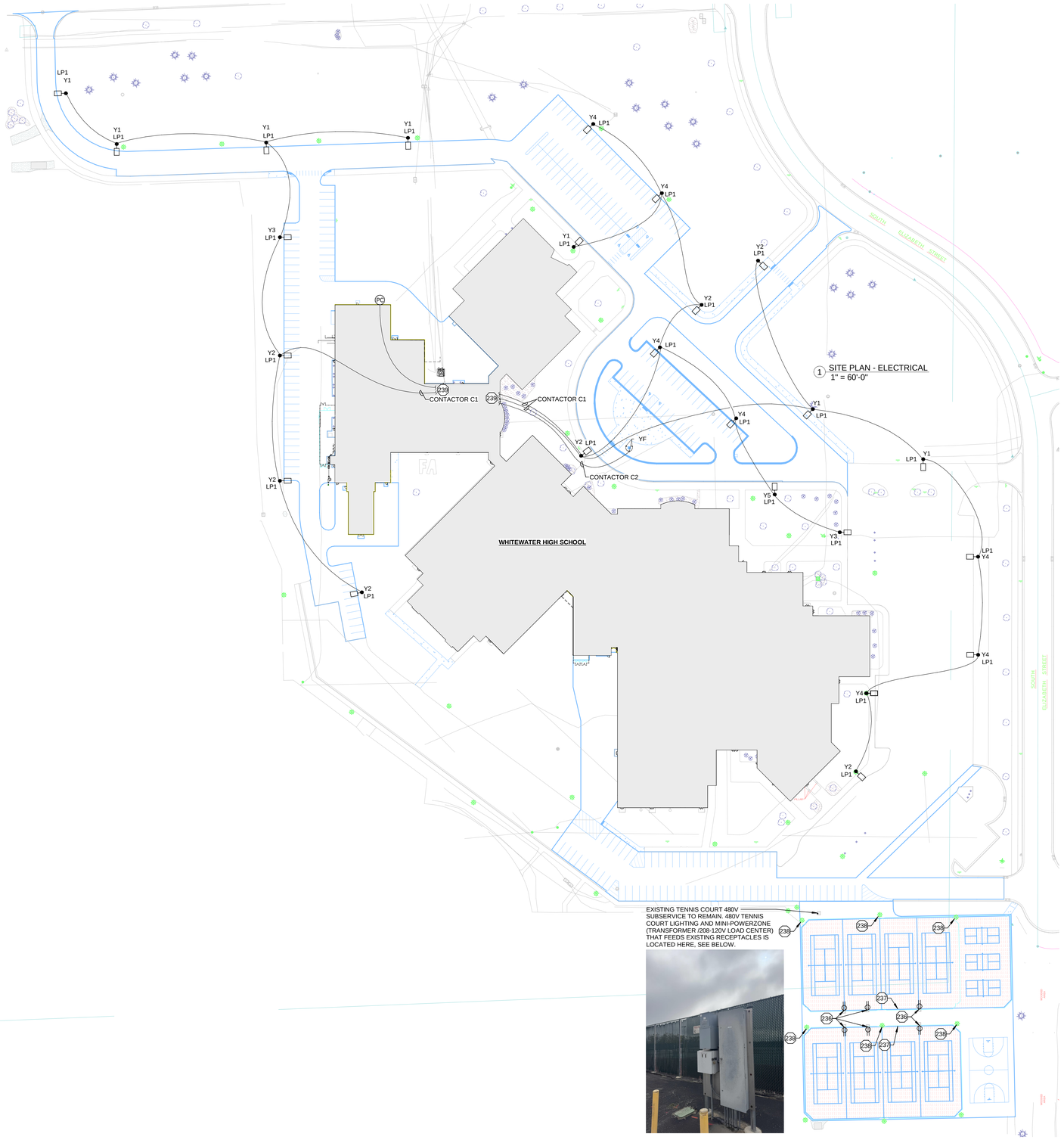


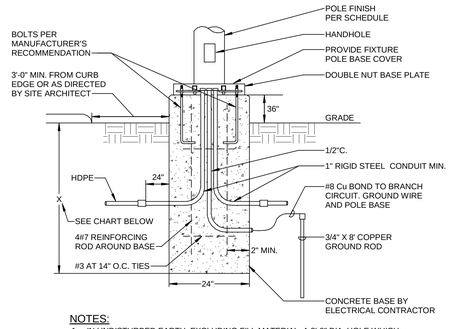
1 SITE PLAN - ELECTRICAL
1" = 60'-0"

GENERAL NOTES

1. UNLESS SHOWN OTHERWISE, ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" HDPE. PROVIDE SOLID PIPE TO FIXTURES, LEAVING MINIMAL TRANSITIONS UNDERGROUND.
2. INSTALL PULL CORD IN ALL EMPTY CONDUITS.
3. PROVIDE CONCRETE BASE ROUGH-IN FOR ALL LP1 POLES PER DETAIL 2/E1.0S.
4. PROVIDE CONCRETE BASE ROUGH-IN FOR ALL YF FIXTURES PER DETAIL 3/E1.0S.
5. UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
6. PROVIDE SITE LIGHTING CONTROL PANEL PER DETAIL 4/E5.1.
7. BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES. DIRECTIONAL BORE UNDER EXISTING SIDEWALKS.
8. ALL CONDUITS STUBBED OUT OF BUILDINGS SHALL BE DONE PER DETAIL 1/E5.1.

PLAN NOTES (X)

236	UPON EXISTING ASPHALT BEING PULVERIZED, REMOVE EXISTING OUTLETS AND BACKBOXES AND RETAIN UNDERGROUND CONDUITS AND WIRE. EXTEND THE EXISTING CIRCUITS, WIRING AND CONDUITS TO NEW RECEPTACLES (SEE ELECTRICAL OUTLET DETAILS, AND POLE BASE DETAIL FROM GC). GC TO PROVIDE POLE. PROVIDE WEATHERPROOF GFCI RECEPTACLE. COORDINATE WITH GENERAL CONTRACTOR FOR FINAL LOCATIONS. SEE DETAIL 6/ES.2 .
237	RETAIN UNDERGROUND CONDUITS AND WIRING. REMOVE BOX, BUTTON AND WARNING LIGHT AND PROVIDE NEW POLYCARBONATE NEMA 4X BOX WITH STAINLESS STEEL LOCKABLE LATCH. REINSTALL ON THE EXTERIOR OF THE PLAYING AREA OF THE TENNIS COURTS.
238	RETAIN UNDERGROUND CONDUITS AND WIRING, REMOVE. AND STORE EXISTING LIGHT POLE, CONTROLS, AND FIXTURE HEADS. NOTE ORIENTATION FOR REISTALLATION. PROVIDE CONDUIT AND THREDDED ROD EXTENSION, SEE ARCHITECHURAL DETAILS FOR EXTENDING POLE BASE 12". REINSTALL EXISTING POLES, FIXTURES AND CONTROLS TO EXTENDED POLE BASE. AIM FIXTURES AS NOTED FROM DEMOLTION.
239	EXTEND EXISTING EXTERIOR CIRCUITS HC-25,27,29,31, PROVIDE AND ROUTE THROUGH NEW PHOTOCELL/TIMECLOCK CONTROLS, SEE DETAIL 4/E5.1. PROVIDE NORTH FACING PHOTOCELL ON NEW ADDITION.

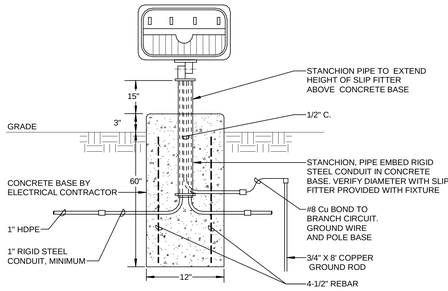


NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

2 E1.0S 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL
SCALE: NTS



3 E1.0S GROUND MOUNTED FIXTURE BASE
SCALE: NTS

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SITE PLAN - ELECTRICAL

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GENERAL NOTES

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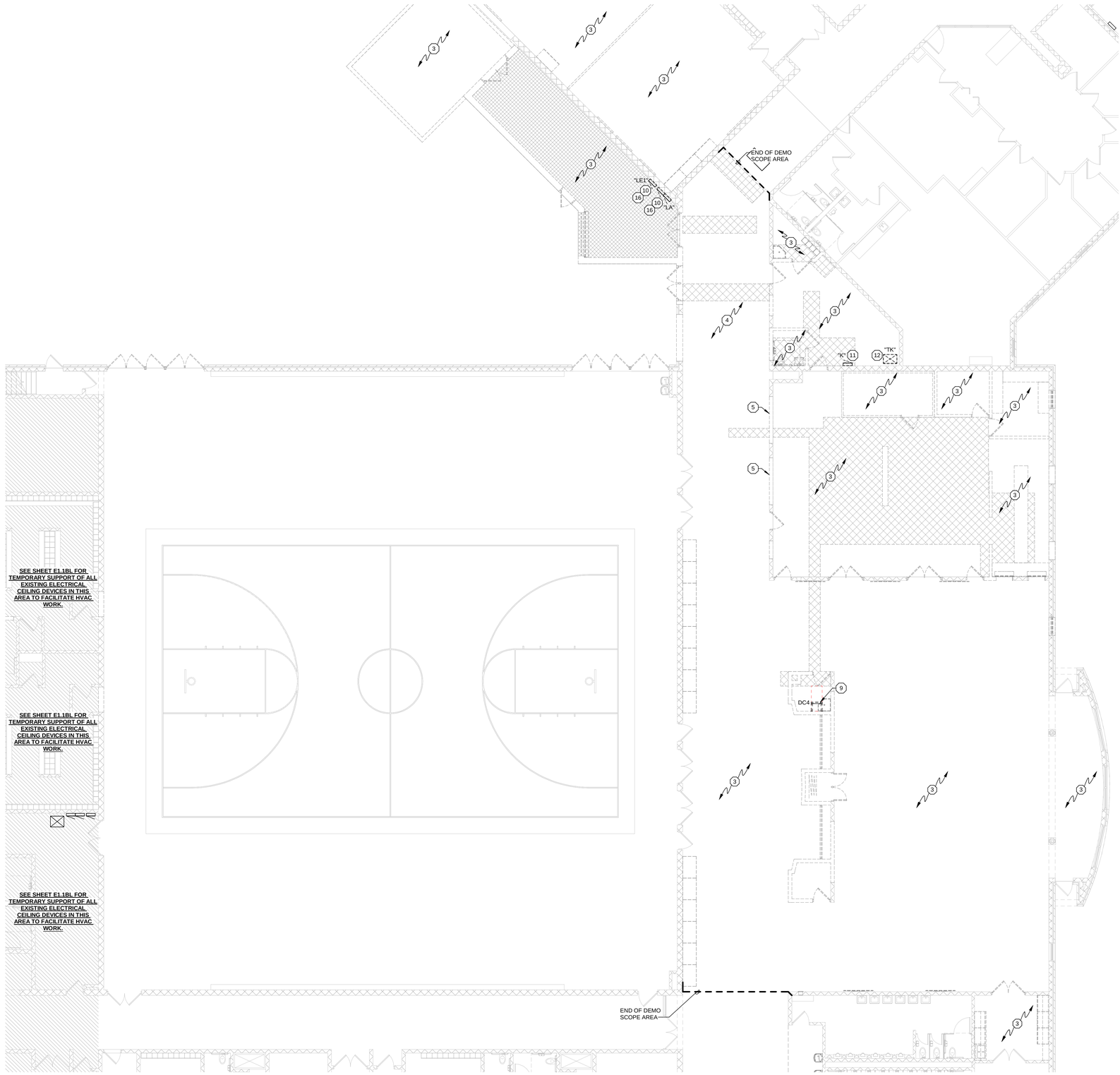
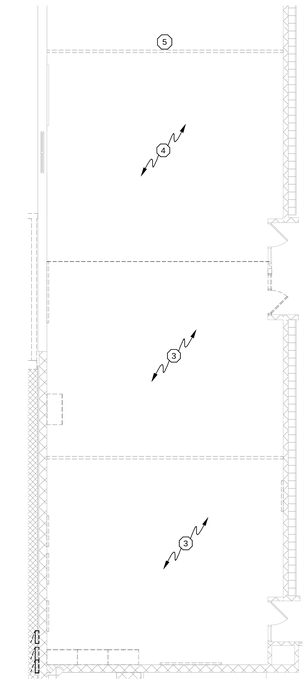
2. REMOVE ALL DEVICES AND ASSOCIATED WIRING AND CONDUIT BACK TO PANEL OR HEAD END ON EXISTING WALLS AND CEILINGS SCHEDULED TO BE REMOVED. RE-FEED ANY DEVICES ON SAME CIRCUIT SCHEDULED TO REMAIN.
3. ON ALL UNUSED OPENINGS IN WALLS SCHEDULED TO REMAIN, PROVIDE BLANK STAINLESS STEEL COVERPLATE WHICH FULLY COVERS OPENING. IF THE OPENING WILL NOT ACCEPT BLANK PLATE, PATCH WALL TO MATCH EXISTING.
4. DEVICES AND EQUIPMENT SHOWN ON DRAWINGS ARE NOT ALL INCLUSIVE. EVALUATE EXISTING CONDITIONS AND REMOVE ALL ELECTRICAL EQUIPMENT AND DEVICES AS NEEDED TO ACCOMMODATE DEMOLITION OF EXISTING AREAS.
5. VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING CONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.
6. TURN OVER ALL REMOVED LIGHT FIXTURES, LIGHT SWITCHES, AND EXIT LIGHTS TO OWNER. IF THEY DO NOT WANT THEN DISPOSE OF.
7. SEE HVAC AND PLUMBING PLANS FOR HVAC AND PLUMBING EQUIPMENT REMOVED. REMOVE ALL EXISTING ELECTRICAL ASSOCIATED WITH REMOVED EQUIPMENT. RELABEL CIRCUIT BREAKER AS "SPARE" OR REMOVE IF BREAKER SPACE IS REQUIRED TO ACCOMMODATE NEW LOADS IN EXISTING PANELBOARDS.

PLAN NOTES (X)

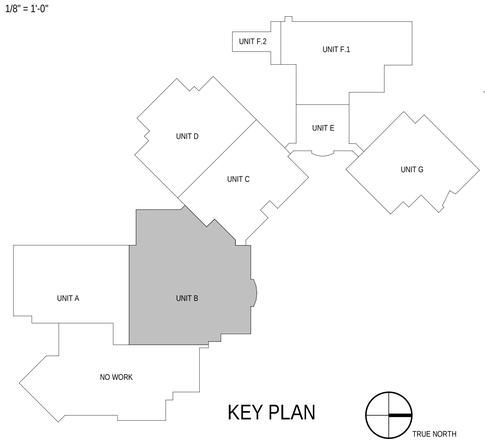
3	REMOVE ALL ELECTRICAL IN THIS AREA UNLESS NOTED OTHERWISE. SALVAGE EXISTING WIRELESS ACCESS POINTS AND CAMERAS AND RETURN TO OWNER.SALVAGE WALL MOUNTED CLOCKS WHERE PRESENT AND STORE TO BE REINSTALLED IN NEW WORK AS NEEDED. REMOVE ALL DEVICES, FIXTURES, CONTROLS, WIRING, AND CONDUIT. REMOVE EXISTING CEILING MOUNTED DEVICES. REMOVE ALL ELECTRICAL ON EXISTING WALLS SHOWN TO REMAIN. REMOVE DEVICE AND WIRING AND PROVIDE BLANK PLATE OR RE-USE FOR NEW RECEPTACLE SEE NEW WORK. ELECTRICAL TO INCLUDE ALL POWER, LIGHTING, DATA, COMMUNICATIONS, FIRE ALARM, AND KEYLESS ENTRY DEVICES AND EQUIPMENT.
4	REMOVE AND SITE CLEAR EXISTING LIGHT FIXTURES, SWITCHES AND CONTROLS. EXISTING LIGHTING CIRCUIT TO REMAIN TO BE REUSED. EXISTING CEILING MOUNTED DEVICES TO BE REMOVED, SALVAGED, AND REINSTALLED INTO NEW CEILINGS UNLESS OTHERWISE NOTED. IF NEW SWITCHES ARE NOT SHOWN IN EXISTING LOCATION, PROVIDE BLANK PLATE OVER EXISTING OPENING.
5	REMOVE ALL EXISTING DEVICES, WIRING, AND RACEWAY FROM THIS WALL SCHEDULE TO BE DEMOLISHED UNLESS SPECIFICALLY NOTED AS EXISTING TO REMAIN. SALVAGE EXTERIOR CAMERAS ON THIS WALL AND RETURN TO OWNER IN NEW WORK AND PROVIDE NEW AS NECESSARY.
9	SALVAGE EXISTING DATA RACK AND ALL COMPONENTS. EXTEND FIBER AND DATA CABLE TO NEW LOCATION IN AREA B.
10	DISCONNECT AND REMOVE EXISTING PANEL, PANEL HOUSING, CIRCUIT BREAKERS, AND INCOMING FEEDER WIRING. EXISTING FEEDER CONDUIT AND EXISTING BRANCH CIRCUITS TO REMAIN AND TO BE EXTENDED TO NEW PANEL LOCATION CONCEALED IN NEW WALL CONSTRUTION, SEE NEW WORK.
11	DISCONNECT AND REMOVE EXISTING PANEL, PANEL HOUSING, CIRCUIT BREAKERS, AND INCOMING FEEDER WIRING.
12	DISCONNECT AND REMOVE EXISTING TRANSFORMER, INCOMING FEEDER WIRING. EXTEND EXISTING PRIMARY CONDUIT TO NEW "TK" LOCATION IN NEW ADDITION, SEE NEW WORK.
16	COORDINATE WITH CONSTRUCTION MANAGER TO KEEP EXISTING KITCHEN OPERATIONAL WHILE WORK COMMENCES. SURROUNDING STRUCTURE IS TO BE DEMOLISHED BEFORE PANELBOARDS. PROVIDE WEATHER-TIGHT ENCLOSURE FOR PANELBOARDS AS NEEDED.



1 E0.1B FIRST FLOOR DEMO PLAN - UNIT B - ELECTRICAL
Scale: 1/8" = 1'-0"



2 E0.1B FIRST FLOOR DEMO PLAN - UNIT C - ELECTRICAL
Scale: 1/8" = 1'-0"



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UNIT B - FIRST FLOOR DEMO PLAN

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6. TURN OVER ALL REMOVED LIGHT FIXTURES, LIGHT SWITCHES, AND EXIT LIGHTS TO OWNER. IF THEY DO NOT WANT THEN DISPOSE OF.
7. SEE HVAC AND PLUMBING PLANS FOR HVAC AND PLUMBING EQUIPMENT REMOVED. REMOVE ALL EXISTING ELECTRICAL ASSOCIATED WITH REMOVED EQUIPMENT. RELABEL CIRCUIT BREAKER AS "SPARE" OR REMOVE IF BREAKER SPACE IS REQUIRED TO ACCOMMODATE NEW LOADS IN EXISTING PANELBOARDS.

PLAN NOTES (X)

2	REMOVE EXISTING FIRE ALARM CONTROL PANEL. REPLACE WITH NEW IN SAME LOCATION.
3	REMOVE ALL ELECTRICAL IN THIS AREA UNLESS NOTED OTHERWISE. SALVAGE EXISTING WIRELESS ACCESS POINTS AND CAMERAS AND RETURN TO OWNER.SALVAGE WALL MOUNTED CLOCKS WHERE PRESENT AND STORE TO BE REINSTALLED IN NEW WORK AS NEEDED. REMOVE ALL DEVICES, FIXTURES, CONTROLS, WIRING, AND CONDUIT. REMOVE EXISTING CEILING MOUNTED DEVICES. REMOVE ALL ELECTRICAL ON EXISTING WALLS SHOWN TO REMAIN. REMOVE DEVICE AND WIRING AND PROVIDE BLANK PLATE OR RE-USE FOR NEW RECEPTACLE SEE NEW WORK. ELECTRICAL TO INCLUDE ALL POWER, LIGHTING, DATA, COMMUNICATIONS, FIRE ALARM, AND KEYLESS ENTRY DEVICES AND EQUIPMENT.
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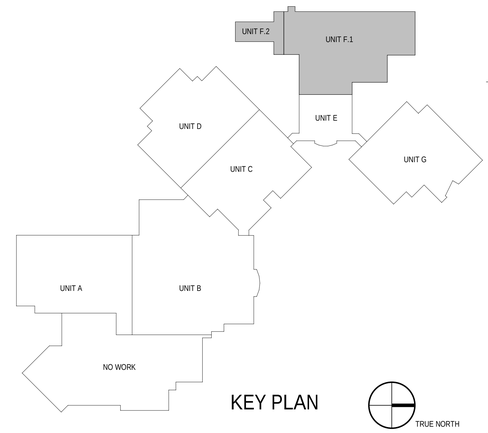
14	SALVAGE EXISTING DATA RACK AND ALL COMPONENTS. PULL WIRE BACK AND REFEED EXISTING DATA CABLING, AND REINSTALL ALL COMPONENTS FROM DC2 TO NEW LOCATION IN AREA F. FIBER AND DATA CABLE TO NEW LOCATION IN AREA F.



1 E0.1F — FIRST FLOOR DEMO PLAN - UNIT F - ELECTRICAL
Scale: 1/8" = 1'-0"



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UNIT F - FIRST FLOOR DEMO PLAN

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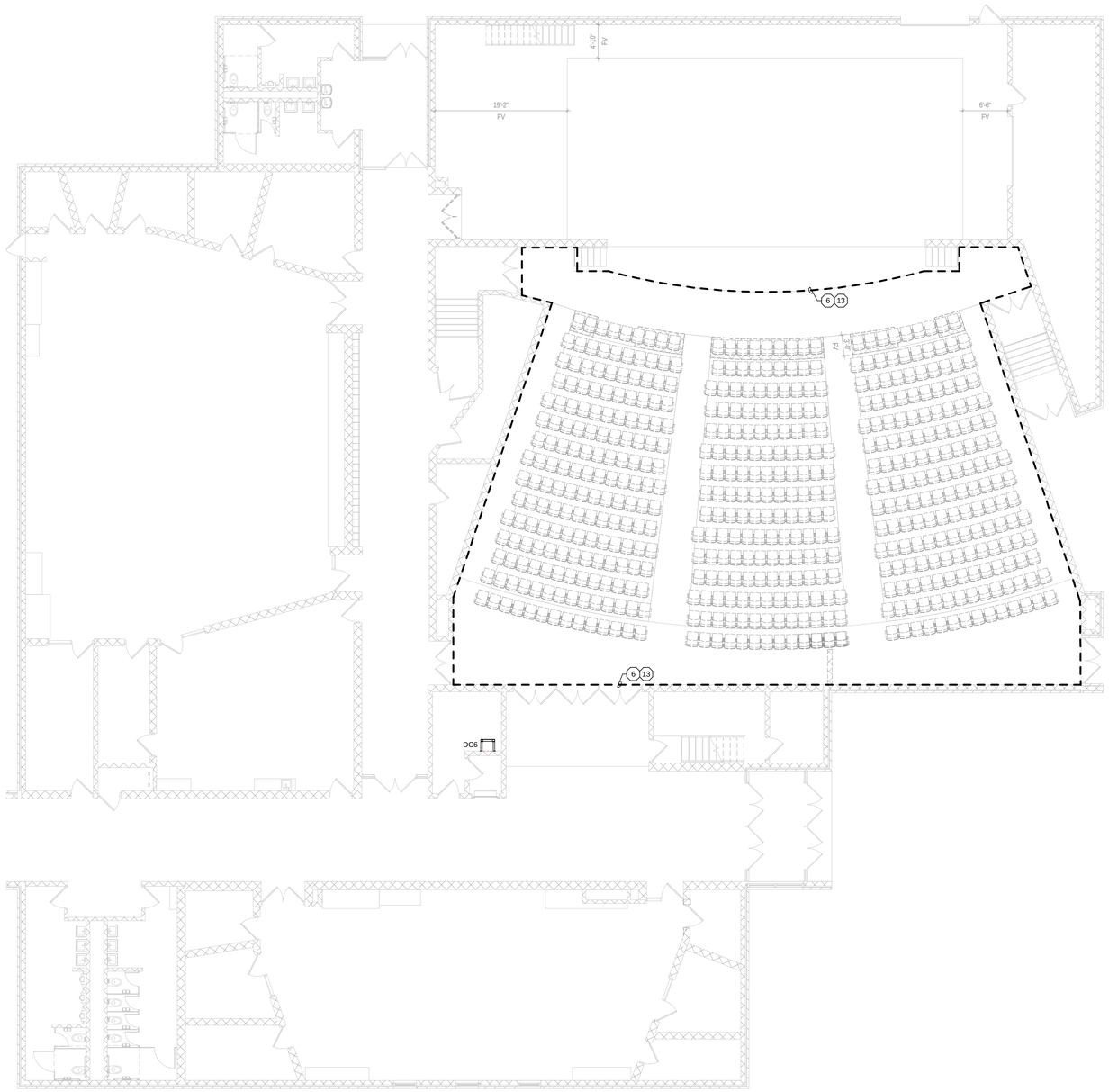
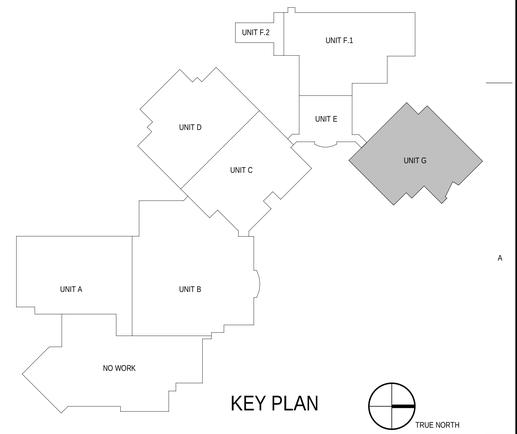
5. VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING CONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.
6. TURN OVER ALL REMOVED LIGHT FIXTURES, LIGHT SWITCHES, AND EXIT LIGHTS TO OWNER. IF THEY DO NOT WANT THEN DISPOSE OF.
7. SEE HVAC AND PLUMBING PLANS FOR HVAC AND PLUMBING EQUIPMENT REMOVED. REMOVE ALL EXISTING ELECTRICAL ASSOCIATED WITH REMOVED EQUIPMENT. RELABEL CIRCUIT BREAKER AS "SPARE" OR REMOVE IF BREAKER SPACE IS REQUIRED TO ACCOMMODATE NEW LOADS IN EXISTING PANELBOARDS.

PLAN NOTES (X)	
6	SALVAGE EXISTING SEAT LIGHTING AND CONTROLS FOR REINSTALLATION WHERE SHOWN ON NEW PLAN. TURN OVER ANY REMOVED DEVICES THAT ARE NOT REINSTALLED TO OWNER.
13	REMOVE EXISTING LIGHTING FIXTURES ONLY IN THIS SPACE. EXISTING CONTROLS AND CIRCUITS TO REMAIN. REPLACE FIXTURES 1 FOR 1 IN AUDITORIUM HOUSE ONLY. SEE NEW WORK.



1 E0.1G FIRST FLOOR DEMO PLAN - UNIT G - ELECTRICAL

Scale: 1/8" = 1'-0"



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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
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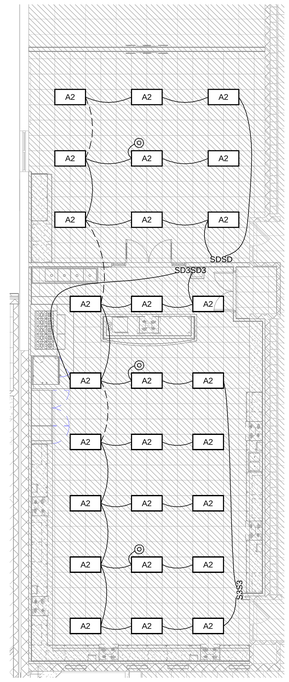
GENERAL NOTES

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL 4/E5.1. CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
4. SHADED FIXTURE (▨) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
5. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL 2/E5.1.
6. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES (X)

101	WIRE ALL FIXTURES IN DISPLAY CASES TO CIRCUIT AND CONTROLS SHOWN HERE. COORDINATE FINAL CONNECTIONS WITH PREFAB DISPLAY CASE SUBMITTALS.
102	PROVIDE EMERGENCY BYPASS RELAY PER DETAIL 5/E5.1
395	COORDINATE WITH HVAC CONTRACTOR TO REMOVE, STORE AND REPLACE; OR TEMPORARILY SUPPORT ANY ELECTRICAL DEVICES OR FIXTURES IN THIS CEILING AS NEEDED TO INSTALL ANY DUCTWORK, PIPING, OR HVAC EQUIPMENT.





2 FIRST FLOOR - UNIT C - LIGHTING
E1.1BL Scale: 1/8" = 1'-0"

4 FIRST FLOOR - UNIT A - LIGHTING
E1.1BL Scale: 1/8" = 1'-0"

1 FIRST FLOOR - UNIT B - LIGHTING
E1.1BL Scale: 1/8" = 1'-0"

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Project Number:
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Sheet Title:
UNIT B - FIRST FLOOR PLAN - LIGHTING

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GENERAL NOTES

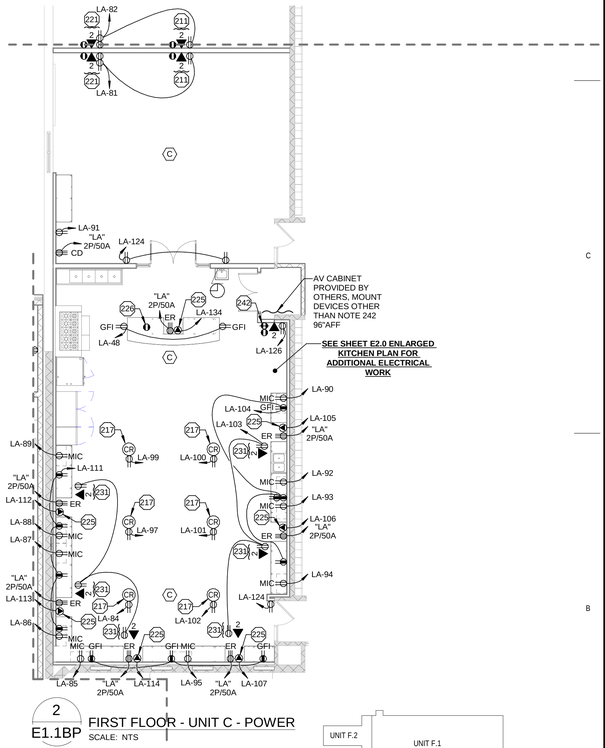
1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 8/E5.1.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 1/E5.1.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES (X)

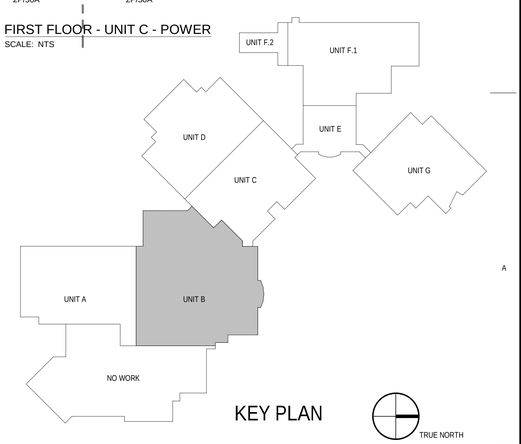
201	PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR. E.C. TO MOUNT AND WIRE ALL CONTROLS, SEE DETAIL 3/E5.1
211	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE, ROUGH-IN DEVICES AT HEIGHT SHOWN ON ARCHITECTURAL ELEVATIONS. PROVIDE 2-GANG EXTRA DEEP WITH 1"C TO ABOVE CEILING IF BLANK BOX IS SHOWN ON FLOORPLANS FOR OWNER PROVIDED CABLING.
217	PROVIDE RECESSED CORD REEL PER DETAIL 5/E5.2
221	PROVIDE DEVICES AT TEACHER DESK LOCATION. ROUGH-IN DEVICES AT 18"AFF. PROVIDE 2-GANG EXTRA DEEP WITH 1"C TO ABOVE CEILING IF BLANK BOX IS SHOWN ON FLOORPLANS.
225	PROVIDE HARDWIRED CONNECTION TO RANGE FANS. PROVIDE MOTOR RATED SINGLE-POLE SWITCH FOR LOCAL DISCONNECT.
226	PROVIDE CEILING MOUNTED 2-GANG EXTRA DEEP FOR DEMONSTRATION CAMERA BY OTHERS.
227	PROVIDE HONEYWELL RCW110KB KIT AND INSTALL DOORBELL ON EXTERIOR WALL AND SEAL PENETRATIONS. SEE DETAILS. PROVIDE CLASS 2 WIRING FROM 16V TRANSFORMER TO THE BELL BOX. PROVIDE CONNECTION TO NEAREST 120V GENERAL RECEPTACLE CIRCUIT.
228	PROVIDE (1) 4" CONDUIT BETWEEN CLOUDS FOR LOW VOLTAGE CABLING WHERE REQUIRED, VERIFY FINAL QUANTITIES WITH ARCHITECTURAL REFLECTED CEILING PLANS. PAINT CONDUIT TO MATCH EXPOSED CEILINGS, SEE ARCHITECTURAL FOR PAINT COLOR. ALL CAFETERIA SOUND SYSTEM SPEAKERS WILL BE ROUTED THROUGH PA SYSTEM AS WELL BY AV CONTRACTOR. PROVIDE PATHWAY TO A/V RACK IN A100F FOR (CS) SPEAKERS.
229	PROVIDE (2) 4" CONDUIT BETWEEN CLOUDS FOR LOW VOLTAGE CABLING WHERE REQUIRED, VERIFY FINAL QUANTITIES WITH ARCHITECTURAL REFLECTED CEILING PLANS. PAINT CONDUIT TO MATCH EXPOSED CEILINGS, SEE ARCHITECTURAL.
230	PROVIDE CIRCUIT FOR MOTORIZED PROJECTOR SCREEN, PROVIDE 1"C LOW VOLTAGE PATHWAY BETWEEN PROJECTOR SCREEN AND CONTROLLER SUPPLIED WITH PROJECTOR MOTOR AND INSTALL CONTROLLER PER MANUFACTURERS REQUIREMENTS.
231	LOCATE DEVICES ABOVE AND BEHIND SOFFIT MOUNTED MEDIA DEVICE, ROUGH-IN AT ELEVATIONS SHOWN ON ARCHITECTURAL PLANS. PROVIDE 2 GANG EXTRA DEEP WITH 1"C TO ABOVE CEILING
232	PROVIDE CEILING MOUNTED POWER AND DATA FOR PROJECTOR PROJECTOR MOUNT/INSTALL BY OTHERS, ROUGH IN DEVICES SHOWN HERE 19' FROM PROJECTOR SCREEN.
240	ALL DEVICES SHOWN HERE COORDINATE WITH OWNER PROVIDED AV RACK. PROVIDE (2) 2-GANG EXTRA DEEP, (2)1"C TO ABOVE CLOUD CEILING TO EACH BOX. PROVIDE POWER AND DATA TO RACK AS SHOWN. PROVIDE AUDIO SAMPLE FROM PA SYSTEM TO BE USED BY CAFETERIA SOUND SYSTEM SPEAKERS.
242	PROVIDE 2 GANG EXTRA DEEP WITH 1"C TO ABOVE CEILING OR TO ABOVE CEILING CLOUDS, 48"AFF.
243	COORDINATE MOUNTING HEIGHTS FOR MICROWAVES WITH CASEWORK, SEE ARCHITECTURAL ELEVATIONS.
247	REINSTALL EXISTING SALVAGED DATA RACK AND EXISTING COMPONENTS. RECONNECT ALL EXTENDED ETHERNET CABLE AND POWER CIRCUITS AND RECONNECT EXTEDNED FIBER FROM DC-1 IN AREA B ROOM B114.
250	PROVIDE SINGLE GANG EXTRA DEEP 18"AFF WITH 1"C TO ABOVE CEILING OR TO ABOVE CEILING CLOUDS FOR OWNER PROVIDED HDMI.



1 E1.1BP **FIRST FLOOR - UNIT B - POWER**
Scale: 1/8" = 1'-0"



2 E1.1BP **FIRST FLOOR - UNIT C - POWER**
SCALE: NTS



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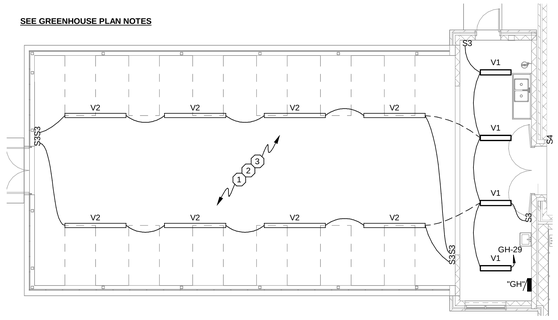
GREENHOUSE PLAN NOTES

1. ALL DEVICES, FIXTURES, CONDUIT, AND FITTINGS THIS AREA TO BE WEATHERPROOF AND WATER TIGHT. HARDWARE TO BE STAINLESS STEEL. VERIFY EXACT REQUIREMENTS WITH GREENHOUSE SUPPLIER.
2. CABLE SUSPEND ALL FIXTURES IN GREENHOUSE TO STRUCTURAL MEMBER OF GREENHOUSE TRUSSES. USE STAINLESS STEEL CABLE.
3. PROVIDE WEATHERPROOF SWITCH COVERS FOR ALL SWITCHES IN GREENHOUSE.

SEE GREENHOUSE PLAN NOTES



GENERAL LIGHTING NOTES

1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL 4/E5.1. CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
4. SHADED FIXTURE (▨) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
5. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL 2/E5.1.
6. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES (X)
102 PROVIDE EMERGENCY BYPASS RELAY PER DETAIL 5/E5.1

2 FIRST FLOOR - UNIT F - GREENHOUSE - LIGHTING

E1.1FL

Scale: 1/8" = 1'-0"



1 FIRST FLOOR - UNIT F - LIGHTING

E1.1FL

Scale: 1/8" = 1'-0"

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UNIT F - FIRST FLOOR PLAN - LIGHTING

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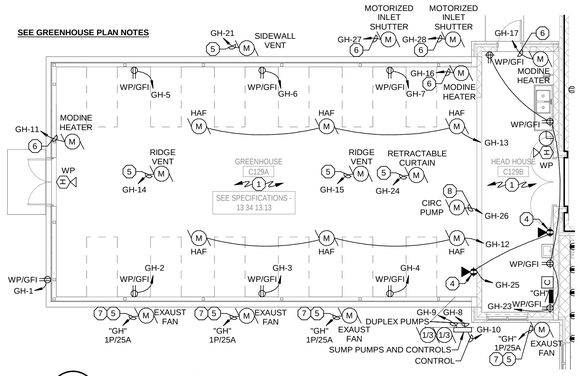
GREENHOUSE PLAN NOTES

1. ALL DEVICES, FIXTURES, CONDUIT, AND FITTINGS THIS AREA TO BE WEATHERPROOF AND WATER TIGHT. HARDWARE TO BE STAINLESS STEEL. VERIFY EXACT REQUIREMENTS WITH GREENHOUSE SUPPLIER.
2. CABLE SUSPEND ALL FIXTURES IN GREENHOUSE TO STRUCTURAL MEMBER OF GREENHOUSE TRUSSES. USE STAINLESS STEEL CABLE.
3. PROVIDE WEATHERPROOF SWITCH COVERS.
4. MICRO GROW PROCOM CONTROLLER.
5. CONTROL THIS CIRCUIT THROUGH MICRO GROW PROCOM CONTROLLER.
6. PROVIDE CONTROL WIRING FROM MODINE UNIT HEATER TO MICRO GROW PROCOM CONTROLLER.
7. 2#10 #10G IN 1/2"C
8. WIRE CIRC PUMP THROUGH IN-LINE AQUASTAT.



2 FIRST FLOOR - UNIT F - GREENHOUSE - POWER

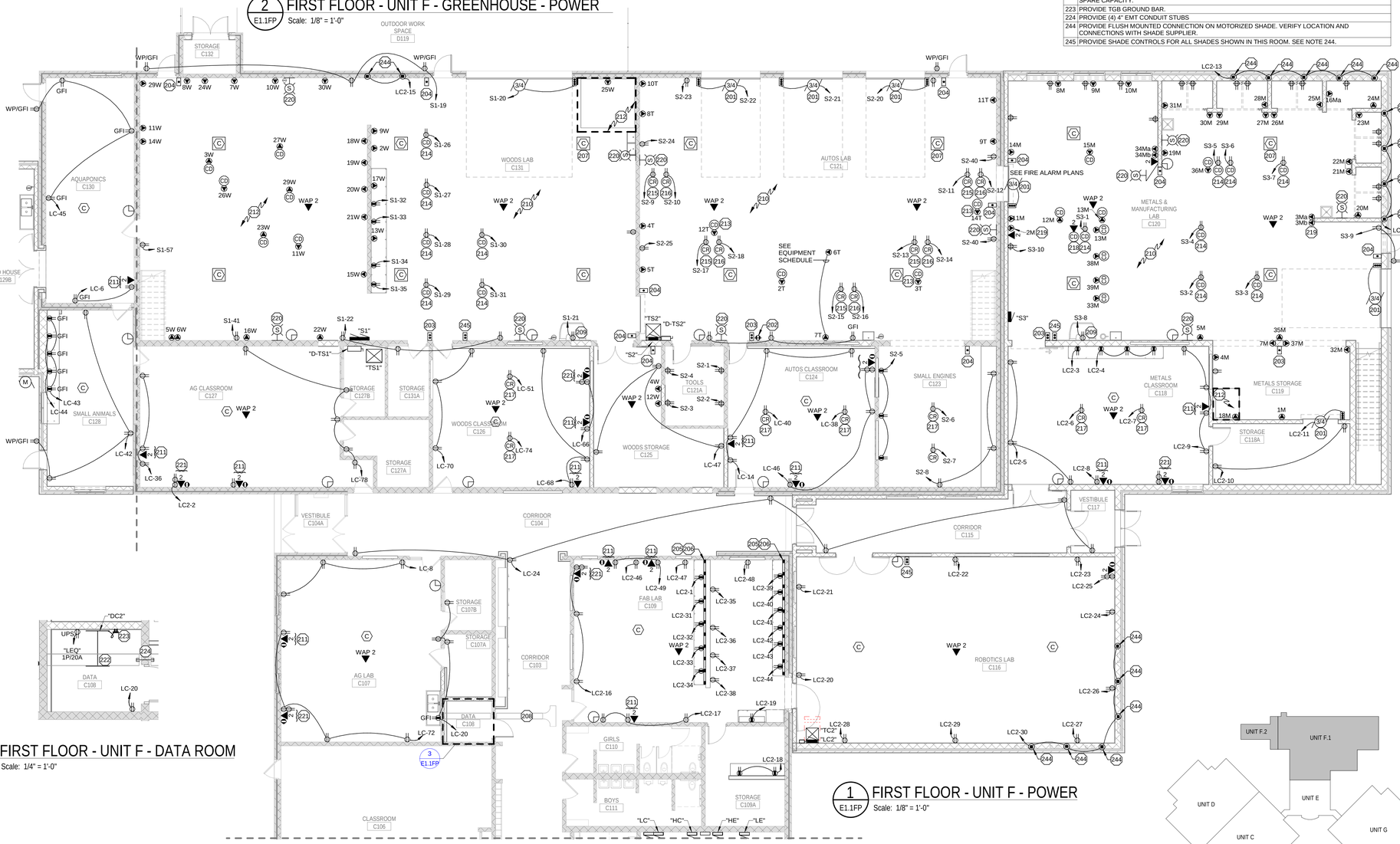
E1.1FP Scale: 1/8" = 1'-0"

GENERAL POWER NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 8/E5.1.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 1/E5.1.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. SEE HVAC MOTOR STARTER SCHEDULE IN HVAC PLANS FOR STARTERS AND DISCONNECTS BY E.C. MOUNT ALL DISCONNECTS ON NEAREST WALL ADJACENT TO MOTOR OR EQUIPMENT OR AS SHOWN ON HVAC PLANS. PROVIDE FREE STANDING RACK IF WALL SPACE IS NOT AVAILABLE.
8. PROVIDE DATA OUTLETS PER DETAIL 1/E5.1.
9. PROVIDE DATA CABLING TO ALL WIRELESS ACCESS POINTS (WAPS) PER DETAIL 9/E5.1
10. PROVIDE ALL DATA CABLING IN THIS AREA BACK TO NEW RACK "DC2"
11. MOUNT ALL EXTERIOR SPEAKERS THIS SHEET AT SAME HEIGHT AS EXTERIOR LIGHTING FIXTURES.
12. SEE SHEET E5.4 FOR SHOP EQUIPMENT CONNECTIONS
13. PROVIDE WEATHERPROOF DISCONNECT FOR ALL GREENHOUSE EQUIPMENT.
14. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL CONDUIT, LINE VOLTAGE WIRING, LOW VOLTAGE CONTROL WIRING, AND BOXES AS REQUIRED BY THE GREENHOUSE. ELECTRICAL CONTRACTOR SHALL ALSO MAKE ALL FINAL POWER AND LOW VOLTAGE CONNECTIONS TO GREENHOUSE EQUIPMENT. SEE GREENHOUSE DRAWINGS FOR MORE INFORMATION.

PLAN NOTES (X)

201	PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR. E.C. TO MOUNT AND WIRE ALL CONTROLS, SEE DETAIL 3/E5.1
202	PROVIDE DEADFRONT GFCI SWITCH LABELED CORD LIGHT RESET.
203	SHOP EMERGENCY POWER CONTROL MASTER KEY "ON" MUSHROOM PUSH BUTTON "OFF" STATION, SEE DETAIL 7/E5.1
204	SHOP EMERGENCY POWER CONTROLKNS REMOTE MUSHROOM PUSHBUTTON "OFF" STATION, SEE DETAIL 7/E5.1
205	PROVIDE SURFACE WIREMOLD 4000 RACEWAY PER DETAIL 1/E5.2
206	PROVIDE VERTICAL WIREMOLD 4000 DROP FROM CEILING.
207	MOUNT SPEAKERS TO ROOF DECK. PROVIDE METAL SURFACE SPEAKER ENCLOSURE. ALL SPEAKER WIRING IN CONDUIT. PAINT TO MATCH ROOF DECK, TYPICAL OF ALL.
208	PROVIDE WIRE BASKET CABLE TRAY IN CORRIDOR. PROVIDE TEE AND TIE INTO EXISTING CORRIDOR CABLE TRAY.
209	PROVIDE RECEPTACLE IN BASE OF WASH FOUNTAIN FOR CONTROLS. CONNECT TO GFCI CIRCUIT.
210	ALL WIRING IN SHOP TO BE IN CONDUIT. NO EXPOSED WIRING TO INCLUDE ALL LOW VOLTAGE CABLING. ALL DEVICES SHOWN IN NEW WALLS TO BE FLUSH MOUNTED AND WIRING CONCEALED INSIDE WALLS. SURFACE MOUNTED DEVICES OR CONDUIT ALLOWED ONLY IN EXISTING WALLS TO REMAIN.
211	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE, ROUGH-IN DEVICES AT HEIGHT SHOWN ON ARCHITECTURAL ELEVATIONS. PROVIDE 2-GANG EXTRA DEEP WITH 1"C TO ABOVE CEILING IF BLANK BOX IS SHOWN ON FLOORPLANS FOR OWNER PROVIDED CABLING.
212	ALL WIRING AND DEVICES THIS ROOM TO BE RATED CLASS 1 DIVISION 1 AND SHALL COMPLY WITH NEC 516. PROVIDE LISTED CONDUIT SEALS.
213	PROVIDE CORD DROP TO LIFT PER DETAIL 2/E5.2 PROVIDE L6-20 RECEPTACLE
214	PROVIDE CORD DROP RECEPTACLE PER DETAIL 2/E5.2
215	PROVIDE CORD REEL LIGHT PER DETAIL 2/E5.2
216	PROVIDE CORD REEL PER DETAIL 4/E5.2
217	PROVIDE RECESSED CORD REEL PER DETAIL 5/E5.2
218	PROVIDE CORD DROP DATA PER DETAIL 8/E5.1
219	PROVIDE SPECIAL EQUIPMENT GROUNDING PER MANUFACTURERS REQUIREMENTS.
220	PROVIDE BLUE WARNING LIGHT TIED INTO PA SYSTEM. LIGHT TO STROBE DURING ANNOUNCEMENTS, OFF OTHERWISE.
221	PROVIDE DEVICES AT TEACHER DESK LOCATION. ROUGH-IN DEVICES AT 18"AFF. PROVIDE 2-GANG EXTRA DEEP WITH 1"C TO ABOVE CEILING IF BLANK BOX IS SHOWN ON FLOORPLANS.
222	PROVIDE LADDER TRAY ABOVE. EXTEND INTO CORRIDOR ABOVE LAY-IN CEILING. BOLT LADDER TRAY TO RACK. PROVIDE ADDITONAL CABLE TRAY AS REQUIRED TO ACCOMODATE CABLE PLUS 50% SPARE CAPACITY.
223	PROVIDE TGB GROUND BAR.
224	PROVIDE (4) 4" EMT CONDUIT STUBS
244	PROVIDE FLUSH MOUNTED CONNECTION ON MOTORIZED SHADE. VERIFY LOCATION AND CONNECTIONS WITH SHADE SUPPLIER.
245	PROVIDE SHADE CONTROLS FOR ALL SHADES SHOWN IN THIS ROOM. SEE NOTE 244.

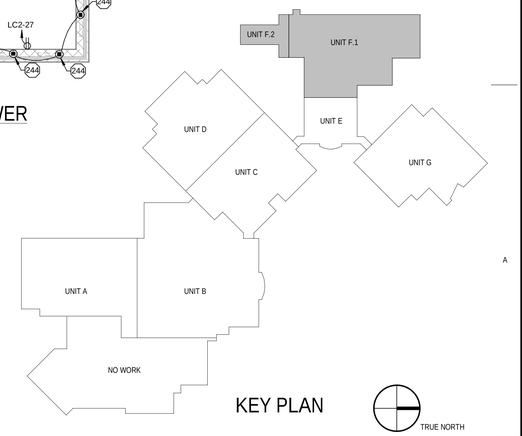


3 FIRST FLOOR - UNIT F - DATA ROOM

E1.1FP Scale: 1/4" = 1'-0"

1 FIRST FLOOR - UNIT F - POWER

E1.1FP Scale: 1/8" = 1'-0"



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GENERAL NOTES

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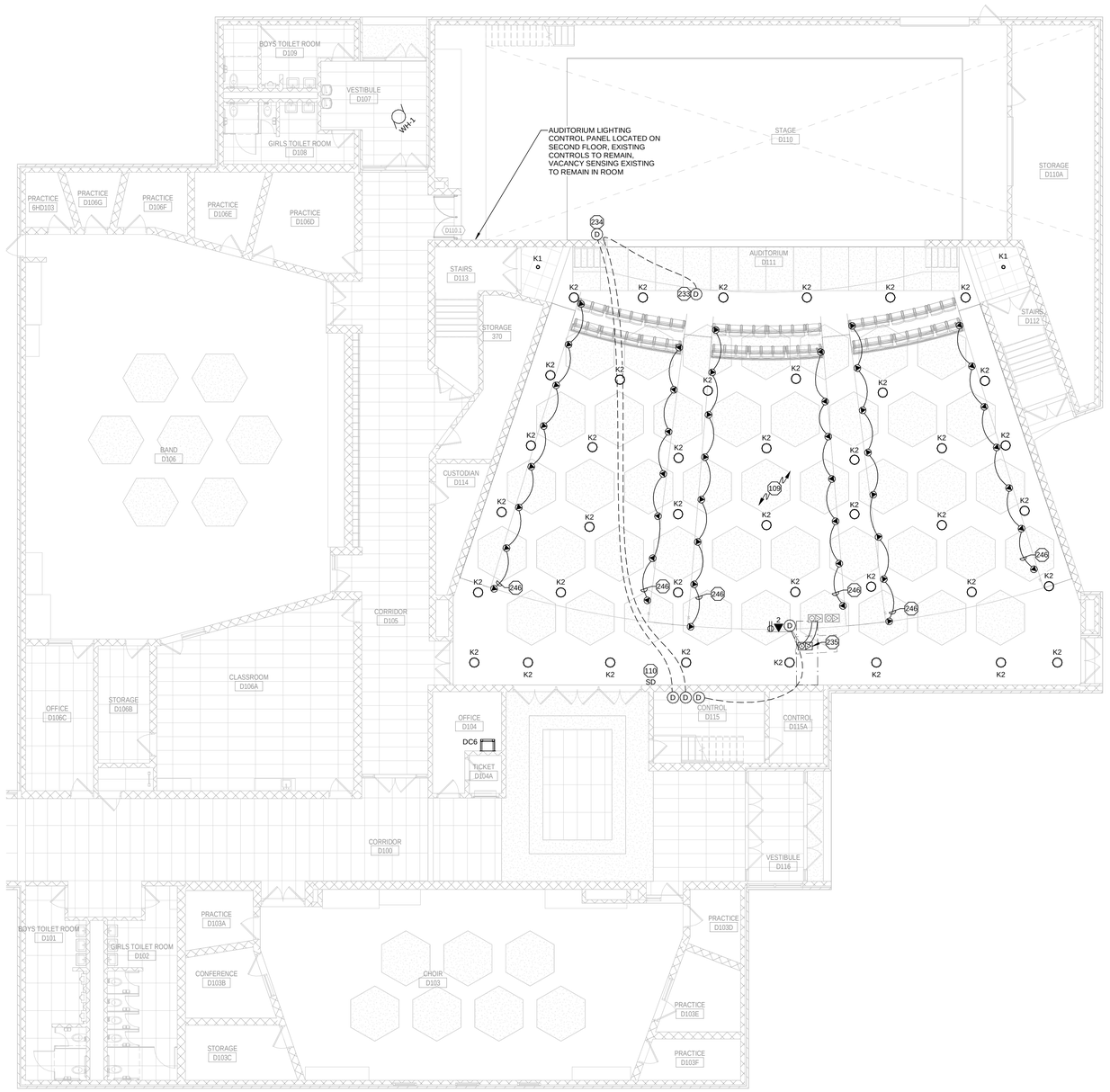
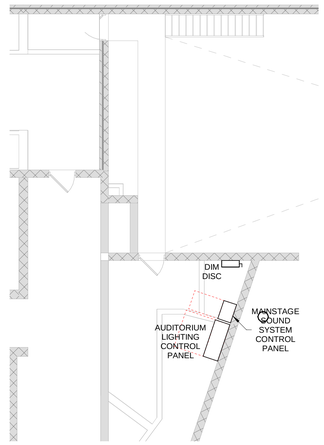
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
4. SHADED FIXTURE ( ) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
5. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL 2/E5.1.
6. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

PLAN NOTES (X)

109	PROVIDE NEW FIXTURES AND TIE INTO EXISTING CONTROLS AND CIRCUITS. LIGHTING IS CONTROLLED BY OCCUPANCY SENSOR AND THE AUDITORIUM LIGHTING DIMMING RACK. EXTEND CIRCUITS AS NEEDED.
110	EXISTING CONTROLS AND 10-BUTTON PROGRAMMABLE SWITCHES TO REMAIN.
233	USE EXISTING BLANK BACKBOX ON ORCHESTRA PIT. PROVIDE NEW 1 1/4" CONDUIT FROM EXISTING BOX NEAR STAGE 110 HDMI AND RUN PARALLEL TO SECOND FLOOR CONTROL D115. PROVIDE LANSHACK LS-AOHC-4K18G-LSZH-330F OR EQUAL TO SECOND FLOOR CONTROL D115. PAINT CONDUIT WHEN EXPOSED, SEE ARCHITECTURAL FOR COLOR. PROVIDE HDMI ONLY PER DETAIL -/--.
234	PROVIDE NEW 1 1/4" CONDUIT FOR OWNER PROVIDED HDMI TO SECOND FLOOR CONTROL D115, PAINT CONDUIT WHEN EXPOSED, SEE ARCHITECTURAL FOR PAINT COLOR.
235	EXTEND POWER AND CONTROLS FROM EXISTING FLOORBOX TO NEW FLOORBOX SHOWN HERE. CONCEAL, CUT, AND PATCH CONCRETE. PROVIDE NEW TYPE 1 FLOORBOX. PROVIDE NEW PATHWAY AND CABLE FOR 2 DATA DROPS FROM "DC-6" IN NEW FLOORBOX. PROVIDE PATHWAYS FOR HDMI PER DETAIL -.
246	RECONNECT EXISTING CIRCUITS AND CONTROLS TO AUDITORIUM SEAT LIGHTING.



2 E1.1G — FIRST FLOOR - UNIT G - LIGHTING
Scale: 1/8" = 1'-0"



3 E1.1G — SECOND FLOOR - UNIT G - LIGHTING
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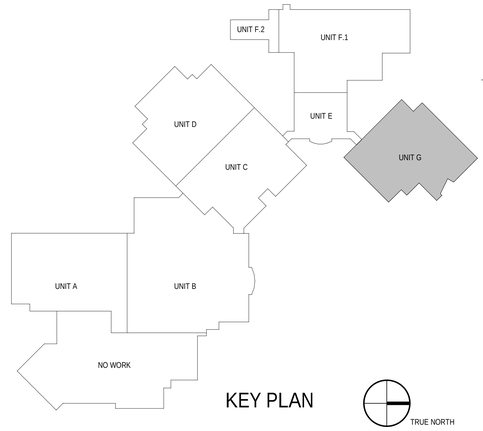

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ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT G - FIRST FLOOR PLAN - ELECTRICAL

Sheet Number:
E1.1G

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GENERAL LIGHTING NOTES

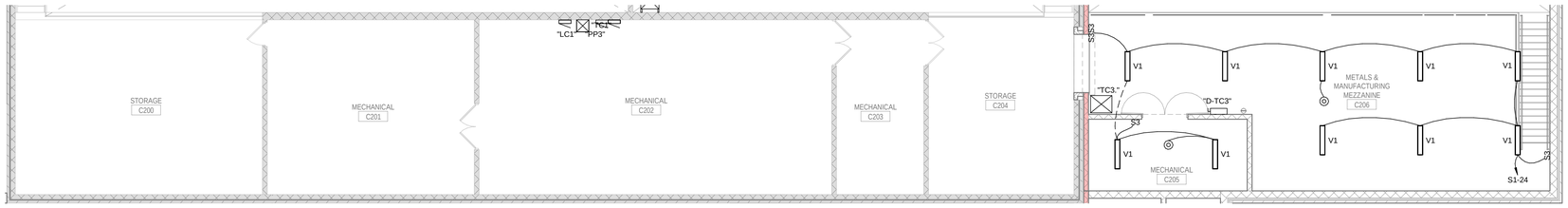
1. ALL EXTERIOR LIGHTING AND BUILDING PERIMETER LIGHTING FIXTURES SHALL BE CIRCUITED WITH THREE WIRES PLUS GROUND FOR FUTURE CONTROL CAPABILITY. SEE DETAIL 4/E5.1. CONTROLS ARE LOCATED NEXT TO PANEL (#10 WIRE MINIMUM).
2. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
3. ALL EXIT LIGHTS THIS SHEET SHALL BE CIRCUITED TO LIGHTING IN ROOM PER NEC.
4. SHADED FIXTURE (▨) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
5. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. EMERGENCY LIGHTING SHALL NOT BE CONNECTED TO SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL 2/E5.1.
6. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.

5/E5.1

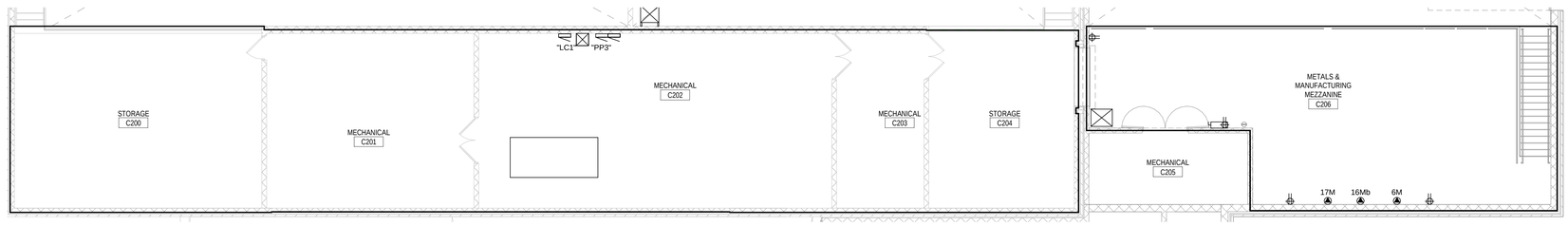
GENERAL POWER NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 8/E5.1.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 1/E5.1.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. SEE HVAC MOTOR STARTER SCHEDULE IN HVAC PLANS FOR STARTERS AND DISCONNECTS BY E.C. MOUNT ALL DISCONNECTS ON NEAREST WALL ADJACENT TO MOTOR OR EQUIPMENT OR AS SHOWN ON HVAC PLANS. PROVIDE FREE STANDING RACK IF WALL SPACE IS NOT AVAILABLE.
8. PROVIDE DATA AND PHONE OUTLETS PER DETAIL
9. PROVIDE DATA CABLING TO ALL WIRELESS ACCESS POINTS (WAPS) PER DETAIL
10. MOUNT ALL EXTERIOR SPEAKERS THIS SHEET AT SAME HEIGHT AS EXTERIOR LIGHTING FIXTURES.
11. MOUNT TOP OF CORRIDOR CLOCK TIGHT TO CEILING.
12. ALL DEVICES SHOWN IN PRECAST TO BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.
13. WET CAST COMPOSITE PANELS WILL BE MANUFACTURED FOR THE WALLS. WHEN THESE PANELS ARE MADE IT WILL BE THE RESPONSIBILITY OF THE EC TO BE PRESENT AT THE PLANT WITH ALL OF THE MATERIAL TO INSTALL THE FLUSH MOUNTED BOXES AND RACEWAY AS SHOWN ON THE DRAWINGS.

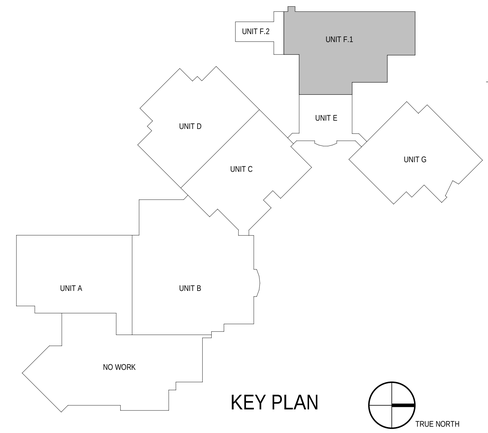
PLAN NOTES (X)



2 SECOND FLOOR - UNIT F - LIGHTING
1/8" = 1'-0"



1 SECOND FLOOR - UNIT F - POWER
1/8" = 1'-0"



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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
UNIT F - MEZZANINE FLOOR PLANS

Sheet Number:
E1.2F

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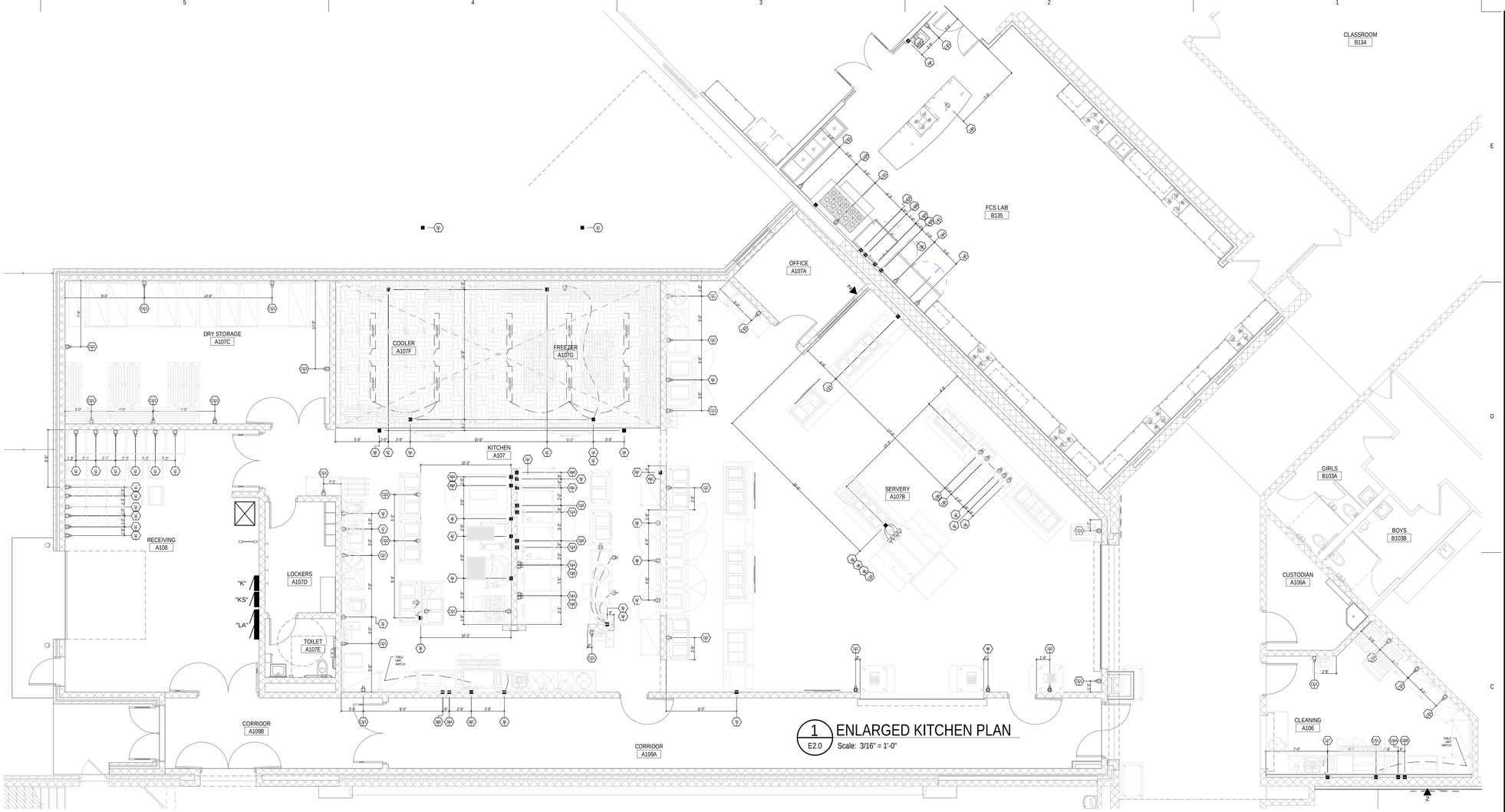
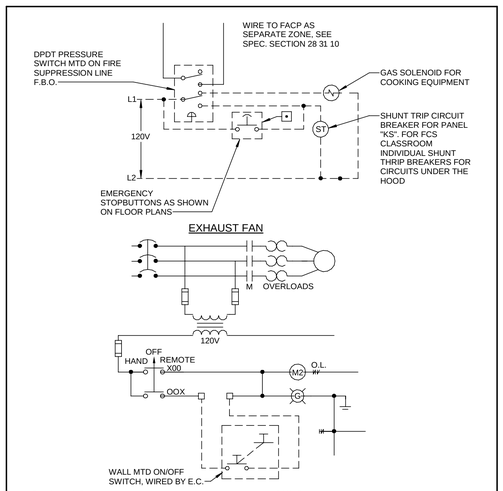


1 E2.0 ENLARGED KITCHEN PLAN

Scale: 3/16" = 1'-0"



OPERATION

1. WHEN FIRE SUPPRESION ACTIVATES, PRESSURE SWITCH CHANGES POSITION. CIRCUIT BREAKERS TRIP AND GAS SOLENOID CLOSES. EXHAUST FAN CONTINUES TO OPERATE.

NOTES:

1. _____ = FIELD WIRING BY E.C.
2. SEE SPECIFICATIONS FOR SUPPLIER OF STARTERS.
3. EMERGENCY STOP BUTTON SHALL BE HEAVY DUTY OIL TYPE, FLUSH MOUNTED, RED MUSHROOM HEAD.

2 E2.0 KITCHEN HOOD WIRING DIAGRAM

SCALE: NTS

GENERAL NOTES

1. REFER TO FOOD SERVICE EQUIPMENT SCHEDULE AND FOOD SERVICE ELECTRICAL CONNECTION SCHEDULE FOR FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENTS. TYPICAL OF ALL NUMBERED FOOD SERVICE ROUGH-IN TAGS.
2. VERIFY ALL PLUG AND RECEPTACLE TYPES WITH KITCHEN SUPPLIER AND FOOD SERVICE CONTRACTOR PRIOR TO ROUGH-IN.
3. VERIFY EXACT MOUNTING HEIGHTS OF ALL RECEPTACLES AND EQUIPMENT CONNECTIONS WITH FOOD SERVICE DRAWINGS PRIOR TO ROUGH-IN.
4. SEE FOOD SERVICE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS.
5. ALL CONNECTIONS TO DISPOSERS, BOOSTER HEATERS AND DISHWASHERS TO BE SEAL TIGHT WITH WATER TIGHT CONNECTIONS. E.C. TO PROVIDE 4X STAINLESS STEEL WASH DOWN RATED DISCONNECT SWITCHES.
6. ALL WIRING TO BE #12 UNLESS SHOWN OTHERWISE. ALL WIRING FOR KITCHEN EQUIPMENT TO BE COPPER.
7. ELECTRICAL CONTRACTOR IS TO SUPPLY AND INSTALL ALL CONDUIT, WIRING, CORDS, BOXES, SWITCHES, FACEPLATES, BRACKETS, ETC. TO COMPLETE INSTALLATION. ELECTRICAL CONTRACTOR SHALL ALSO MAKE ALL FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT.
8. PROVIDE STAINLESS STEEL PLATES FOR WIRING DEVICES ON WALL UNDER EXHAUST HOOD.
9. SEE 1/8" SCALE FLOOR PLANS FOR ADDITIONAL ELECTRICAL EQUIPMENT IN KITCHEN SPACES.
10. THIS PLAN SHOWS ONLY THE REQUIREMENTS FOR FOODSERVICE EQUIPMENT TO BE FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR. FOR ALL OTHER REQUIREMENTS, REFER TO ARCHITECTS PLANS, CONSULTANT OR OWNER.
11. ELECTRICAL CONTRACTOR IS TO VERIFY ALL REQUIREMENTS FOR EXISTING EQUIPMENT TO BE REUSED OR ITEMS LABELED "BY OTHERS".
12. THE FOODSERVICE EQUIPMENT CONTRACTOR WILL NOT BE RESPONSIBLE FOR FURNISHING ELECTRICAL APPURTENANCES SUCH AS LINE OR DISCONNECT SWITCHES, SAFETY CUTOUTS, CONTROL PANELS, FUSE BOXES, FITTINGS AND INTERWIRING REQUIRED BETWEEN EQUIPMENT AND CONTROL PANELS UNLESS SPECIFIED IN FOODSERVICE EQUIPMENT CONTRACT.
13. UNLESS OTHERWISE SPECIFIED, THE ELECTRICIAN IS TO FURNISH ALL 208 VOLT CORDS, PLUGS AND RECEPTACLES WHERE NECESSARY. ELECTRICAL CONTRACTOR TO FURNISH ALL LIGHT BULBS REQUIRED FOR EXHAUST HOOD(S) AND/OR WALK-IN COOLERS AND FREEZERS UNLESS OTHERWISE SPECIFIED.
14. ELECTRICAL CONTRACTOR IS TO SUPPLY AND INSTALL ALL CONDUIT, WIRING, BOXES, SWITCHES, FACEPLATES, BRACKETS, ETC. TO COMPLETE INSTALLATION. ELECTRICAL CONTRACTOR SHALL ALSO MAKE ALL FINAL CONNECTIONS TO FOODSERVICE EQUIPMENT INCLUDING ALL INTERWIRING REQUIRED FOR WALK-IN COOLERS AND FREEZERS AND THEIR COMPRESSORS, BLOWER FANS, TIMERS, HEATERS AND LIGHTING.
15. ELECTRICIAN IS TO DO ALL INTERWIRING FOR EXHAUST HOOD LIGHTING, BLOWERS, DAMPERS, AND FIRE SUPPRESSION SYSTEM, INCLUDING THE SUPPLY AND INSTALLATION OF A SHUNT/TRIP BREAKERS FOR EQUIPMENT AND FAN INTERLOCK MECHANISMS AS NEEDED.
16. ALL ELECTRICAL WORK PERFORMED IS TO BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
17. ALL ELECTRICAL CONDUIT IS TO BE RUN WITHIN WALL SURFACES AND BOXES AND RECEPTACLES ARE TO BE INSET FLUSH WITH WALL SURFACE. SURFACE MOUNTED ELECTRICAL WORK IS NOT TO BE USED UNLESS OTHERWISE SPECIFIED ON FOODSERVICE EQUIPMENT ROUGH-IN PLAN.
18. EQUIPMENT MANUFACTURERS SPECIFICATION SHEETS FOR EACH PIECE OF EQUIPMENT TO BE SUPPLIED BY FOODSERVICE EQUIPMENT CONTRACTOR WILL BE MADE AVAILABLE TO EACH CONTRACTOR UPON REQUEST.
19. DIMENSIONS ON THIS PLAN ARE GIVEN TO THE CENTERLINES OF THE ROUGH-INS.
20. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED BY LOCAL CODE.
21. ELECTRICAL CONTRACTOR TO SEAL INSIDE OF CONDUIT W/ SILICONE OR EXPANDABLE FOAM WHERE CONDUIT PENETRATES WALK-IN COOLER/FREEZER WALLS. TYPICAL.
22. ELECTRICAL CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE ELECTRICAL CODES. ELECTRICAL CONTRACTOR TO READ AND REVIEW 11 40 00 SPECIFICATIONS.
23. ELECTRICAL CONTRACTOR TO INSTALL CORD AND PLUGS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR.

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12/19/2025

Project Number:
3705

Sheet Title:
ENLARGED KITCHEN PLAN

Sheet Number:
E2.0

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ELECTRICAL FOODSERVICE SCHEDULE

ITEM NUMBER	EQUIPMENT DESCRIPTION	QUANTITY	(N)NEW (F) FUTURE (X) EXISTING	VOLTAGE	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA NUMBER	PANEL	BREAKER	WIRE	CONDUIT	REC NEMA	ELECTRICAL REMARKS
1A	WALK IN FREEZER LTG AND VENT	1	N	120	1	10.0			X			K	20				120V/1 J-BOX FROM ABOVE FOR WALK-IN FREEZER LIGHTS AND HEATED AIR VENT. 20.0 AMP CIRCUIT. EC TO CONNECT AND INSTALL ALL LIGHT FIXTURES.
1B	WALK IN FREEZER DOOR HEATER	1	N	120	1	10.0			X			K	20				120V/1 J-BOX FROM ABOVE FOR WALK-IN FREEZER DOOR HEATER. 20.0 AMP CIRCUIT.
1C	WALK IN FREEZER COIL	1	N	208	1	31.4			X			K	40				208-230V/1 J-BOX FROM ABOVE FOR WALK-IN FREEZER COIL. (3.0 FAN AMPS, 27.4 HEATER AMPS).
1D	WALK IN FREEZER COMPRESSOR	1	N	208	3	21.4		6	X			K	30				208-230V/3 J-BOX FOR WALK-IN FREEZER COMPRESSOR. 6.0 HP. 21.5 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT. EXACT LOCATION TO BE VERIFIED WITH OWNER/ARCHITECT. EC TO INTERWIRE COMPRESSOR TO RESPECTIVE BLOWER COIL UNIT. EC TO VERIFY FINAL LOCATION OF TIME CLOCK WITH FSEC AND INTERWIRE TIME CLOCK, SOLENOID AND THERMOSTAT. * SEE REMOTE COMPRESSOR NOTES THIS PAGE.
1E	WALK IN FREEZER DRAIN LINE HEAT TAPE	1	N	120	1	4.0			X			K	20				120V/1 J-BOX FROM ABOVE FOR DRAIN LINE HEAT TAPE. DGR. 20.0 AMP CIRCUIT. EC TO CONNECT TO DGR LOCATED INSIDE WALK-IN FREEZER BOX MOUNTED TO WALL BEHIND COIL.
5A	WALK IN FREEZER LTG AND VENT	1	N	120	1	10.0			X			K	20				120V/1 J-BOX FROM ABOVE FOR WALK-IN COOLER LIGHTS AND HEATED AIR VENT. 20.0 AMP CIRCUIT. EC TO CONNECT AND INSTALL ALL LIGHT FIXTURES.
5B	WALK IN FREEZER DOOR HEATER	1	N	120	1	10.0			X			K	20				120V/1 J-BOX FROM ABOVE FOR WALK-IN COOLER DOOR HEATER. 20.0 AMP CIRCUIT.
5C	WALK IN FREEZER COIL	1	N	120	1	2.7			X			K	20				120V/1 J-BOX FROM ABOVE FOR WALK-IN COOLER COIL. 2.7 AMPS.
5D	WALK IN FREEZER COMPRESSOR	1	N	208	3	12.3			X			K	20				208-230V/3 J-BOX FOR WALK-IN COOLER COMPRESSOR. 2-1/2 HP. 12.3 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT. EXACT LOCATION TO BE VERIFIED WITH OWNER/ARCHITECT. EC TO INTERWIRE COMPRESSOR TO RESPECTIVE BLOWER COIL UNIT. EC TO VERIFY FINAL LOCATION OF TIME CLOCK WITH FSEC AND INTERWIRE TIME CLOCK, SOLENOID AND THERMOSTAT. * SEE REMOTE COMPRESSOR NOTES THIS PAGE.
11	HOLDING CABINET	12	N	120	1	16.0				X	5-20P	K	20				120V/1 DGR 48" AFF FOR HOT HOLDING CABINET. 1.9 KW. 16.0 AMPS. NEMA 5-20P.
16	20QT MIXER	1	X	120	1	16.0			X		5-20P	K	20				120V/1 DGR 48" AFF FOR EXISTING 20 QUART MIXER. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
17	SLICER	1	X	120	1	16.0			X		5-20P	K	20				120V/1 DGR 48" AFF FOR EXISTING SLICER. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
21	60QT MIXER	1	X	208	3	16.0			X			K	20				208V/3 SGR 48" AFF FOR EXISTING 60 QUART MIXER. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
30	WORKTABLE W/SINK	1	N	120	1	1.5			X			K	20				120V/1 J-BOX STUB-UP 6" AFF FOR WORKTABLE W/ SINK. EC TO CONNECT TO (2)120V/1 RECEPTACLES MOUNTED IN BACKSPLASH OF TABLE BY FABRICATOR FOR (2)CONVENIENCE OUTLETS. (2)20.0 AMP CIRCUITS.
		1	N	120	1	1.5			X			K	20				
38A	DISHMACHINE	1	N	480	3	27.9			X			PP1	40				480V/3 J-BOX 18" AFF. FOR DISHMACHINE MOTORS & ELECTRIC TANK HEAT. 27.9 AMPS. 40.0 AMP CIRCUIT. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODES. EC TO INTERWIRE FROM VENT FAN CONTROL CONNECTION AND DISHMACHINE TO EXHAUST FAN ON HOOD. FAN(S), DUCTWORK, ETC PROVIDED BY OTHERS - EC TO VERIFY EXACT REQUIREMENTS. EC TO INTERWIRE FROM DISHMACHINE TO TABLE LIMIT SWITCH.
38B	DISHMACHINE EXAUST (LOW VOLTAGE FROM 38A)	1	N	480	3	40.0			X			PP1	50				480V/3 J-BOX 18" AFF FOR DISHMACHINE BUILT-IN BOOSTER. 40.1 AMPS. 50.0 AMP CIRCUIT. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODES. REMOVE EXISTING 20A SPARE IN PP1 AND PROVIDE NEW 50A/3 IN EXISTING EATON PANELBOARD
38C	FAN CONTROL JBOX	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	J-BOX 66" AFF FOR VENT FAN CONTROL CONNECTION LOW WATTAGE FAN CONTROL CONTACT (NOT FOR LINE VOLTAGE) AVAILABLE WITHIN DISHWASHER.
39	DISPOSER	1	N	208	3	6.6			X			K	20				208V/3 J-BOX 18" AFF FOR DISPOSER. 2.0 HP. 6.6 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODE(S). EC TO CONNECT DISPOSER, SOLENOID VALVE AND SWITCH.
42	TILT SKILLET	1	N	120	1	5.0				X	5-20P	KS	20				120V/1 J-BOX 18" AFF FOR 30 GALLON TILT SKILLET. 5.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONECT OR CORD, PLUG & RECEPTACLE PER LOCAL CODES.
44	TILT KETTLE	1	N	208	3	41.6	14.7		X			KS	60				208V/3 J-BOX 18" AFF FOR 80 GALLON TILT KETTLE. 14.7 KW. 40.9 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONECT PER LOCAL CODES.
45	EXAUST HOOD	1	N	120	1	16.0			X			K	20				120V/1 J-BOX FROM ABOVE FOR CAPTIVE AIRE EXHAUST HOOD CONTROL BOX. 20.0 AMP CIRCUIT. EC TO INTERCONNECT BETWEEN CONTROL BOX, CONTROL PAD (CAT-5), FAN STARTERS (120V CONTROL), LIGHTS (120V), ROOM TEMPERATURE SENSOR (TWO CONDUCTOR), TEMPERATURE SENSOR ON HOOD (TWO CONDUCTOR), SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD, BUILDING AUTOMATION SYSTEM AND ANY OTHER MONITORING SYSTEMS AS REQUIRED BY CODE OR OWNER. HVAC DATA ON SEPARATE SHEET. EC TO VERIFY FINAL LOCATIONS. FANS, STARTERS, DUCT WORK, INSULATION, ROOF CURBS, AND ROOF PENETRATIONS BY OTHERS. * REFER TO CAPTIVE AIRE EXHAUST HOOD SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND WIRING DIAGRAMS.
46A	ROTATING RACK OVEN	1	N	208	3	4.2				X	15-20P	KS	20				208V/3 J-BOX 90" AFF FOR EXISTING ROTATING RACK OVEN. 4.2 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODES. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
46B	ROTATING RACK OVEN (CONTROLS)	1	N	120	1	1.5			X			KS	20				120V/1 J-BOX 90" AFF FOR EXISTING ROTATING RACK OVEN CONTROLS. 15.0 AMP DEDICATED CIRCUIT. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODES. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
49A	EXAUST HOOD CONTROL BOX	1	N	120	1	1.5			X			KS	20				120V/1 J-BOX FROM ABOVE FOR CAPTIVE AIRE EXHAUST HOOD CONTROL BOX. 20.0 AMP CIRCUIT. EC TO INTERCONNECT BETWEEN CONTROL BOX, CONTROL PAD (CAT-5), FAN STARTERS (120V CONTROL), LIGHTS (120V), ROOM TEMPERATURE SENSOR (TWO CONDUCTOR), TEMPERATURE SENSOR ON HOOD (TWO CONDUCTOR), SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD, BUILDING AUTOMATION SYSTEM AND ANY OTHER MONITORING SYSTEMS AS REQUIRED BY CODE OR OWNER. EC TO VERIFY FINAL LOCATIONS. FANS, STARTERS, DUCT WORK, INSULATION, ROOF CURBS, AND ROOF PENETRATIONS BY OTHERS. * REFER TO CAPTIVE AIRE EXHAUST HOOD SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND WIRING DIAGRAMS.
49B	EXAUST HOOD CONTROL PAD	1	N	120	1	16			X			KS					120V/1 2 GANG J-BOX 50" AFF. FOR CONTROL PAD (PROVIDED BY CAPTIVE AIRE) FOR EXHAUST HOOD LIGHTS AND FAN(S) MOUNTED BY EC. EC TO ROUTE CAT-5 CABLE BETWEEN CONTROL PAD AND CONTROL BOX. HOOD FAN(S) BY HVAC. EC TO VERIFY LOCATION AND REQUIREMENTS.
49C	TEMP SENSOR	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	SINGLE GANG BOX FOR ROOM TEMPERATURE SENSOR FACE MOUNTED TO WALL BY EC JUST BELOW CEILING. EC TO RUN TWO CONDUCTOR TO CAPTIVE AIRE CONTROL BOX.
50	FIRE SUPPRESSION SYSTEM	1	X	120	1	1.5			X			K	20				120V/1 J-BOX FROM ABOVE FOR FIRE SUPPRESSION SYSTEM. 20.0 AMP CIRCUIT. EC TO INTERCONNECT WITH MICRO SWITCH AT FIRE SUPPRESSION CABINET AND SHUNT TRIP BREAKERS FOR ALL EQUIPMENT UNDER EXHAUST HOOD. ALL SHUNT TRIP BREAKERS AND RELATED WIRING TO BE FURNISHED AND INSTALLED BY EC. EC TO INTERWIRE BETWEEN FIRE SYSTEM CABINET AND HOOD CONTROL CABINET (120V).
51A	X COMBI OVEN	1	X	208	1	16.0			X			KS	20				208V/1 J-BOX 24" AFF FOR EXISTING COMBI OVEN (LOWER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
51B	X COMBI OVEN	1	X	208	1	16.0			X			KS	20				208V/1 J-BOX 48" AFF FOR EXISTING COMBI OVEN (UPPER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
52A	X COMBI OVEN	1	X	208	1	16.0			X			KS	20				208V/1 J-BOX 24" AFF FOR EXISTING COMBI OVEN (LOWER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
52B	X COMBI OVEN	1	X	208	1	16.0			X			KS	20				208V/1 J-BOX 48" AFF FOR EXISTING COMBI OVEN (UPPER SECTION). 16.0 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S). EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
53A	X CONVECTION OVEN	1	X	120	1	16.0			X			KS	20				120V/1 DGR 18" AFF FOR EXISTING CONVECTION OVEN (BOTTOM SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
53B	X CONVECTION OVEN	1	X	120	1	16.0			X			KS	20				120V/1 DGR 48" AFF FOR EXISTING CONVECTION OVEN (UPPER SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
54A	X CONVECTION OVEN	1	X	120	1	16.0			X			KS	20				120V/1 DGR 18" AFF FOR EXISTING CONVECTION OVEN (BOTTOM SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
54B	X CONVECTION OVEN	1	X	120	1	16.0			X			KS	20				120V/1 DGR 48" AFF FOR EXISTING CONVECTION OVEN (UPPER SECTION). 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
55	MICROWAVE STEAMER	1	X	208	1	24.0			X		6-30P	K	30				208V/1 SGR FOR MICROWAVE STEAMER. 5.7 KW. 27.4 AMPS. NEMA 6-30P. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 59.
59	WORKTABLE W/SINK	1	N	120	1	1.5			X		5-20P	K	20				120/208V/1 J-BOX 18" AFF FOR WORKTABLE W/ SINK. EC TO CONNECT TO (2)120V/1 RECEPTACLES; (2)20.0 AMP CIRCUITS AND (1)208V/1 RECEPTACLE; 30.0 AMP CIRCUIT MOUNTED TO UNDERSIDE OF TABLE BY FABRICATOR FOR (2) CONVENIENCE OUTLETS AND (1) RECEPTACLE FOR ITEM 55.
		1	N	120	1	1.5			X		5-20P	K	20				
63	ROLL-IN REFRIGERATOR	1	N	120	1	11.4				X	5-15P	K	15				120V/1 DGR 48" AFF FOR ROLL-IN REFRIGERATOR. 1/2 HP. 11.4 AMPS. NEMA 5-15P.
65	PASS-THRU HOT CABINET	1	N	208	SPLIT					X	L14-20P	K	20				120/208V/1 SGR 90" AFF FOR PASS-THRU HOT CABINET. 7.8 AMPS. NEMA L14-20P.
66	ROLL-THRU REFRIGERATOR	1	N	120	1					X	5-20P	K	20				120V/1 DGR 90" AFF FOR ROLL-THRU REFRIGERATOR. 1/2 HP. 13.4 AMPS. NEMA 5-20P.
67	PASS-THRU HOT CABINET	1	N	208	SPLIT					X	L14-20P	K	20				120/208V/1 SGR 90" AFF FOR PASS-THRU HOT CABINET. 7.8 AMPS. NEMA L14-20P.
78	MODULAR SERVING COUNTERS	1	N	208	3	80.0			X			K	100				J-BOX 18" AFF FOR MODULAR SERVING COUNTERS AND EQUIPMENT. EC TO CONNECT TO PRE-WIRED 120/208V/3 100.0 AMP CIRCUIT BREAKER PANEL IN COUNTER. ALL FIELD CONNECTIONS AND SPLICES IN COUNTER BY EC. * REFER TO SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND LOAD PLATE SCHEDULES.
87	X DROP-IN SOUP WELLS	2	X	120	1	16.0				X	5-20P	K	20				120V/1 DOG HOUSE FOR EXISTING DROP-IN SOUP WELLS. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
91	X DROP-IN COLD WELLS	1	X	120	1	16.0				X	5-20P	K	20				120V/1 DOG HOUSE FOR EXISTING DROP-IN COLD WELLS. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
92	DOGHOUSE FOR 94,95,118	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	120/208V/1 J-BOX STUB-UP 6" AFF FOR SERVING COUNTER. EC TO CONNECT TO (2)120V/1 RECEPTACLES; (2)20.0 AMP CIRCUITS, (1)208V/1 RECEPTACLE; 20.0 AMP CIRCUIT AND (1)120/208V/1 RECEPTACLE; 20.0 AMP CIRCUIT MOUNTED TO UNDERSIDE OF TABLE BY FABRICATOR FOR ITEMS 94, 95 AND 118.
94	HOT/COLD WELLS	1	N	208	1					X	14-20P	K	20				120/208V/1 FOR DROP-IN HOT/COLD WELLS. 12.8 AMPS. NEMA 14-20P. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 92.
95	MILK COOLER	1	X	120	1					X	5-20P	K	20				120V/1 DOG FOR EXISTING MILK COOLER. 16.0 AMPS. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 92. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
96	POINT OF SERVICE	1	N	120	1	3.0				X	5-20P	LA	20				120V/1 DDGR 18" AFF FOR POS SYSTEM. 20.0 AMP DEDICATED CIRCUIT. EC TO PROVIDE EMPTY J-BOX FOR RUNNING OF POS AND DATA LINES; ROUTE PER OWNER'S SPECIFICATIONS. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION(S) AND REQUIREMENTS WITH OWNER.
101	POINT OF SERVICE	1	N	120	1	3.0				X	5-20P	LA	20				120V/1 DDGR 18" AFF FOR POS SYSTEM. 20.0 AMP DEDICATED CIRCUIT. EC TO PROVIDE EMPTY J-BOX FOR RUNNING OF POS AND DATA LINES; ROUTE PER OWNER'S SPECIFICATIONS. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION(S) AND REQUIREMENTS WITH OWNER.
103	POINT OF SERVICE	1	N	120	1	3.0				X	5-20P	LA	20				120V/1 DDGR 18" AFF FOR POS SYSTEM. 20.0 AMP DEDICATED CIRCUIT. EC TO PROVIDE EMPTY J-BOX FOR RUNNING OF POS AND DATA LINES; ROUTE PER OWNER'S SPECIFICATIONS. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION(S) AND REQUIREMENTS WITH OWNER.
105	FOOD WARMER	1	N	120	1	10.0				X	5-15P	K	15				120V/1 DOG HOUSE FOR FOOD WARMER. 10.0 AMPS. NEMA 5-15P.
109	X DROP IN COLD WELLS	1	X	120	1					X	5-20P	K	20				120V/1 DOG HOUSE FOR EXISTING DROP-IN COLD WELLS. 16.0 AMPS. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
114	MODULAR SERVING COUNTERS	1	N	208	3	80.0			X			K	100				J-BOX 18" AFF FOR MODULAR SERVING COUNTERS AND EQUIPMENT. EC TO CONNECT TO PRE-WIRED 120/208V/3 100.0 AMP CIRCUIT BREAKER PANEL IN COUNTER. ALL FIELD CONNECTIONS AND SPLICES IN COUNTER BY EC. * REFER TO SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND LOAD PLATE SCHEDULES.
118	REFRIGERATED MERCHANDISER	1	N	208	1	10.0	2.8			X	6-20P	K	20				208V/1 FOR REFRIGERATED MERCHANDISER. 2.826 KW. 16.0 AMPS. NEMA 6-20P. UNIT TO PLUG INTO RECPETACLE LISTED UNDER ITEM 92.
127	DISPOSER	1	N	208	3	6.6			X			K	20				208V/3 J-BOX 18" AFF FOR DISPOSER. 2.0 HP. 6.6 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODE(S). EC TO CONNECT DISPOSER, SOLENOID VALVE AND SWITCH.
129A	DISHMACHINE MOTORS & HEAT TANK	1	X	208	3	60.6			X			K	80				208V/3 J-BOX 18" AFF. FOR EXISTING DISHMACHINE MOTORS & ELECTRIC TANK HEAT. 60.6 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODES. EC TO INTERWIRE FROM VENT FAN CONTROL CONNECTION AND DISHMACHINE TO EXHAUST FAN ON HOOD. FAN(S), DUCTWORK, ETC PROVIDED BY OTHERS - EC TO VERIFY EXACT REQUIREMENTS. EC TO INTERWIRE FROM DISHMACHINE TO TABLE LIMIT SWITCH. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
129B	DISHMACINE BUILT IN BOOSTER	1	X	208	3	83.9			X			K	110				208V/3 J-BOX 18" AFF FOR EXISTING DISHMACHINE BUILT-IN BOOSTER. 83.9 AMPS. EC TO FURNISH AND INSTALL A DISCONNECT PER LOCAL CODES. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS. PROVIDE SUBFEED BREAKER 110A/3 IN PANEL K.
129C	X VENT CONTROL	1	X	-	-	-	-	-	-	-	-	-	-	-	-	-	J-BOX 66" AFF FOR EXISTING VENT FAN CONTROL CONNECTION. LOW WATTAGE FAN CONTROL CONTACT (NOT FOR LINE VOLTAGE) AVAILABLE WITHIN DISHWASHER. EXISTING - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
140A	COMBI OVEN	1	N	208	1	9.6			X			LA	20				208V/1 J-BOX 24" AFF FOR COMBI OVEN (LOWER SECTION). 2.0 KW. 9.6 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S).
140B	COMBI OVEN	1	N	208	1	9.6			X			LA	20				208V/1 J-BOX 48" AFF FOR COMBI OVEN (UPPER SECTION). 2.0 KW. 9.6 AMPS. EC TO FURNISH AND INSTALL A CORD AND DISCONNECT PER LOCAL CODE(S).
142A	CAPTIVE AIR EXAST HOOD CONTROL	1	N	120	1	1.5			X			LA	20				120V/1 J-BOX FROM ABOVE FOR CAPTIVE AIRE EXHAUST HOOD CONTROL BOX. 20.0 AMP CIRCUIT. EC TO INTERCONNECT BETWEEN CONTROL BOX; CONTROL PAD (CAT-5), FAN STARTERS (120V CONTROL), LIGHTS (120V), ROOM TEMPERATURE SENSOR (TWO CONDUCTOR), TEMPERATURE SENSOR ON HOOD (TWO CONDUCTOR), SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD, BUILDING AUTOMATION SYSTEM AND ANY OTHER MONITORING SYSTEMS AS REQUIRED BY CODE OR OWNER. EC TO VERIFY FINAL LOCATIONS. FANS, STARTERS, DUCT WORK, INSULATION, ROOF CURBS, AND ROOF PENETRATIONS BY OTHERS. * REFER TO CAPTIVE AIRE EXHAUST HOOD SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND WIRING DIAGRAMS.
142B	CONTROL PAD	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	2 GANG J-BOX 50" AFF. FOR CONTROL PAD (PROVIDED BY CAPTIVE AIRE) FOR EXHAUST HOOD LIGHTS AND FAN(S) MOUNTED BY EC. EC TO ROUTE CAT-5 CABLE BETWEEN CONTROL PAD AND CONTROL BOX. HOOD FAN(S) BY HVAC. EC TO VERIFY LOCATION AND REQUIREMENTS.
142C	TEMP SENSOR	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	SINGLE GANG BOX FOR ROOM TEMPERATURE SENSOR FACE MOUNTED TO WALL BY EC JUST BELOW CEILING. EC TO RUN TWO CONDUCTOR TO CAPTIVE AIRE CONTROL BOX.
143	FIRE SUPPRESSION SYSTEM	1	N	120	1	1.5			X			LA	20				120V/1 J-BOX FROM ABOVE FOR FIRE SUPPRESSION SYSTEM. 20.0 AMP CIRCUIT. EC TO INTERCONNECT WITH MICRO SWITCH AT FIRE SUPPRESSION CABINET AND SHUNT TRIP BREAKERS FOR ALL EQUIPMENT UNDER EXHAUST HOOD. ALL SHUNT TRIP BREAKERS AND RELATED WIRING TO BE FURNISHED AND INSTALLED BY EC. EC TO INTERWIRE BETWEEN FIRE SYSTEM CABINET AND HOOD CONTROL CABINET (120V).
144	REACH-IN REFRIGERATOR	1	N	120	1	8.0				X	5-15P	LA	15				120V/1 DGR 48" AFF FOR REACH-IN REFRIGERATOR. 1/2 HP. 8.0 AMPS. NEMA 5-15P.
145	REACH-IN FREEZER	1	N	120	1	8.5				X	5-15P	LA	15				120V/1 DGR 48" AFF FOR REACH-IN FREEZER. 3/4 HP. 8.46 AMPS. NEMA 5-15P.
148	UNDERCOUNTER DISHWASHER	1	N	208	1	33.7				X	6-50P	LA	50				208-240V/1 SGR IN COUNTER FOR UNDERCOUNTER DISHWASHER. 33.7 AMPS. NEMA 6-50P. * UNIT TO BE FURNISHED WITH A CORD AND PLUG. BY OWNER - EC TO VERIFY ROUGH-IN LOCATION AND REQUIREMENTS.
CO	CONVENIENCE OUTLET 48"AFF	5	N	120	1	1.5				X	5-20P	K,LA	20				120V/1 GFCI DGR 48" AFF FOR A CONVENIENCE OUTLET. 20.0 AMP CIRCUIT, CIRCUIT NO MORE THAN THREE (3) "CO", "CO1", "CO2", AND "CO3" TOGETHER.
CO1	CONVENIENCE OUTLET 18"AFF	15	N	120	1	1.5				X	5-20P	K,LA	20				120V/1 GFCI DGR 18" AFF FOR A CONVENIENCE OUTLET. 20.0 AMP CIRCUIT, CIRCUIT NO MORE THAN THREE (3) "CO", "CO1", "CO2", AND "CO3" TOGETHER.
CO2	CONVENIENCE OUTLET (CORD DROP)	2	N	120	1	1.5				X	5-20P	K,LA	20				120V/1 SUSPENDED GFCI DGR FROM ABOVE DOWN TO 66" AFF. 20.0 AMP CIRCUIT, CIRCUIT NO MORE THAN THREE (3) "CO", "CO1", "CO2", AND "CO3" TOGETHER. * ALSO REFER TO SUSPENDED OUTLET DETAIL ON SHEET FS200A.
CO3	CONVENIENCE OUTLET 72"AFF	1	N	120	1	1.5				X	5-20P	K,LA	20				120V/1 GFCI DGR 72" AFF FOR A CONVENIENCE OUTLET. 20.0 AMP CIRCUIT, CIRCUIT NO MORE THAN THREE (3) "CO", "CO1", "CO2", AND "CO3" TOGETHER.
GV	GAS VALVE (SEE KITCHEN SHUTDOWN DETAIL)	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	120V/1 ELECTRONIC GAS VALVE. EC TO WIRE FROM SYSTEM CONTROL PANEL TO ELECTRONIC GAS SOLENOID VALVE. SEE DETAIL 2/E2.0.
RP	REMOTE MANUAL PULL STATION	1	N	-	-	-	-	-	-	-	-	-	-	-	-	-	SINGLE GANG BOX FOR REMOTE MANUAL PULL. SEE DETAIL SHEET FS200A. EC TO INTERWIRE TO CAPTIVE AIRE CONTROL BOX. SEE DETAIL 2/E2.0.

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
ENLARGED KITCHEN PLAN SCHEDULE

Sheet Number:
E2.1

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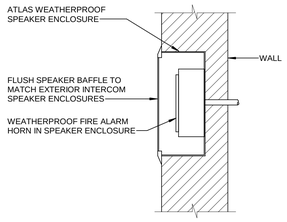
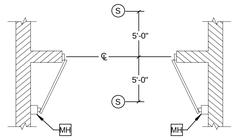


4 E3.0 EXTERIOR FIRE ALARM HORN MOUNTING DETAIL

SCALE: NTS

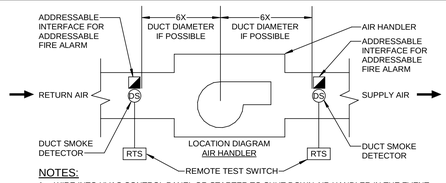


NOTES:

1. DOUBLE DOOR SHOWN, SINGLE DOORS SIMILAR, EXCEPT ONLY ONE MAGNETIC DOOR HOLDER.
2. PROVIDE ALL FLUSH MOUNTED OUTLET BOXES WHERE WALL IS NEW OR WALL IS HOLLOW AND CAN BE FISHED.
3. CONNECT TO FIRE ALARM SYSTEM.
4. IF EXISTING WALL CAN NOT BE FISHED, PROVIDE SURFACE METAL RACEWAY FOR CABLING.

3 E3.0 MAGNETIC DOOR HOLD DETAIL - ADDRESSABLE FACP

SCALE: NTS



NOTES:

1. WIRE INTO HVAC CONTROL PANEL OR STARTER TO SHUT DOWN AIR HANDLER IN THE EVENT SMOKE IS DETECTED. PROVIDE WRITTEN STATEMENT TO ARCHITECT THAT THE SYSTEM WAS TESTED AND OPERATES CORRECTLY.
2. MOUNT REMOTE TEST STATION ON NEAREST WALL IN MECHANICAL, ELECTRICAL, JANITOR OR STORAGE ROOM THAT PROVIDES ACCESS. IN INSTALLATIONS WHERE TWO OR MORE AHU'S ARE INSTALLED TOGETHER, MOUNT ALL TEST SWITCHES IN ONE AREA.
3. IF ONLY ONE (DS) IS SHOW ON FLOOR PLANS, MOUNT ON RETURN SIDE OF AHU.

2 E3.0 FIRE ALARM DUCT DETECTOR INSTALLATION

SCALE: NTS

1 E3.0 OVERALL FIRST FLOOR - FIRE ALARM

Scale: 3/64" = 1'-0"

GENERAL NOTES

1. SEE POWER PLANS FOR FIRE ALARM CONTROL PANEL AND POWER SUPPLY CIRCUITS.
2. ALL DEVICES SHOWN THIS SHEET ARE APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS ON SITE TO ACCOMMODATE FURNITURE, LIGHT FIXTURES, ETC. ENSURE STROBE COVERAGE REQUIRED BY NFPA 72 IS MAINTAINED IF STROBES ARE RELOCATED FOR COORDINATION.
3. ALL FIRE ALARM CABLING SHALL BE SUPPORTED SEPARATELY FROM OTHER LOW VOLTAGE CABLING ABOVE LAY-IN CEILINGS. FIRE ALARM WIRING IN AREAS WHERE THERE IS NO LAY-IN CEILINGS SHALL BE IN CONDUIT.
4. SEE DETAIL 1 / E3.1 FOR INSTALLATION DETAILS.
5. LOCATE SMOKE DETECTOR MINIMUM 3'-0" FROM HVAC DIFFUSERS. ENSURE COVERAGE IS MAINTAINED IF SMOKES ARE RELOCATED FOR COORDINATION.
6. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR FIRE ALARM HORN AND STROBE DEVICES.
7. ALL DEVICES IN MECHANICAL ROOMS SHALL BE LAID OUT ON-SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN THE ROOM.
8. ALL FIRE ALARM PULL, JUNCTION BOXES, AND THEIR COVERS SHALL BE PAINTED RED AND HAVE "FIRE ALARM" WRITTEN ON THE COVER IN LARGE BLACK NON-WASHABLE INK. THE LETTERING SHALL BE SUCH THAT IT CAN BE READ FROM 10' AWAY. NOTE THAT THIS REQUIREMENT IS IN ADDITION TO THE NEC REQUIREMENTS WHICH REQUIRE THAT THE BOX ITSELF BE MARKED IN RED.
9. CIRCUIT ALL 120V POWER NEEDED FOR FIRE SMOKE DAMPERS AND FIRE SHUTTERS THROUGH EXISTING PANEL "LE". USE EXISTING SPARE (16) 20/1 AND PROVIDE (8) 20A/1 MATCHING EXISTING AND INSTALL AS SPARE IF UNUSED.

PLAN NOTES (X)

501	PROVIDE SURFACE MOUNT FIRE ALARM COMMAND CENTER WITH MICROPHONE AND ANNUNCIATOR.
502	PROVIDE FIRE ALARM CONTROL PANEL. CIRCUIT TO EXISTING 20A/1P BREAKER IN PANEL "LE".
503	PROVIDE MAGNETIC DOOR HOLD PER DETAIL 3/E3.0.
505	WALL MOUNTED DEVICES IN GREENHOUSE FROM MULLIONS. VERIFY EXACT LOCATION AND MOUNTING REQUIREMENTS PRIOR TO ROUGH-IN. ALL DEVICES AND CONDUIT IN GREENHOUSE TO BE WEATHERPROOF SEAL TIGHT AND CORROSION RESISTANT.
506	PROVIDE MONITOR MODULE ON DUST COLLECTOR FIRE SUPPRESSION SYSTEM CONNECTED TO THE FIRE ALARM
509	SMOKE DAMPER BY HVAC CONTRACTOR (120V) POWER FROM FIRE ALARM SYSTEM PROVIDE CONTROL MODULE. COORDINATE LOCATION WITH HVAC CONTRACTOR TYPICAL. SEE DETAIL 2/E3.1.
519	PROVIDE COMMAND MODULE AND ALL FIRE ALARM DEVICES IDENTIFIED IN DETAIL 3/E3.1 FOR FIRE SHUTTER.
525	PROVIDE AV SOUND RACK CONTROL MODULE. UPON ACTIVATION OF THE FIRE ALARM SOUND SYSTEM SHALL MUTE. COORDINATE WITH SOUND SYSTEM CONTRACTOR.
526	PROVIDE SMOKE DETECTION ON AND ABOVE CLOUD CEILINGS.

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CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
OVERALL FIRST FLOOR - FIRE ALARM

Sheet Number:
E3.0

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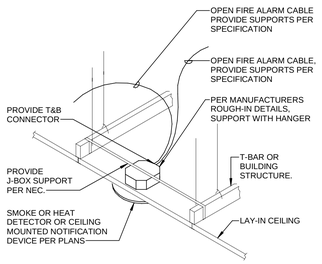
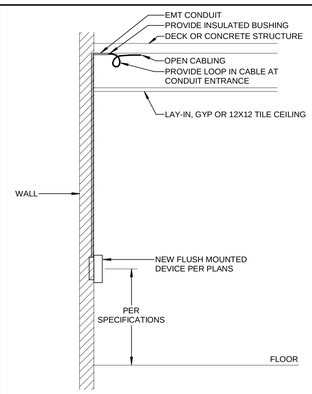


GENERAL NOTE:

1. BOX TO BE ACCESSIBLE VIA CEILING TILE, AND HAVE FRONT COVER WITH PAINTED RED "FA".

DETAIL ILLUSTRATING NEW FLUSH MOUNTED CEILING DEVICE, IN LAY-IN CEILING
NTS



DETAIL ILLUSTRATING NEW FLUSH MOUNTED WALL DEVICE
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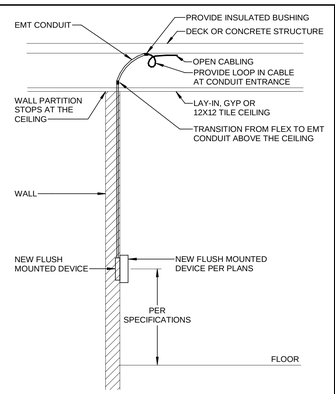
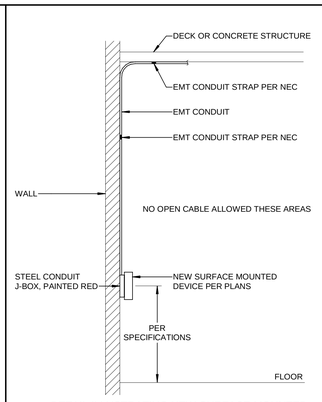
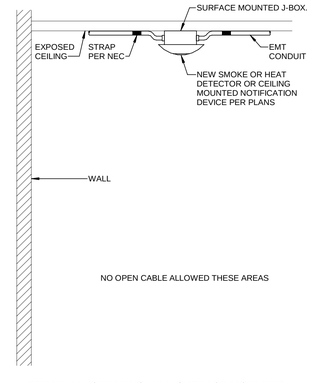


DETAIL ILLUSTRATING NEW WALL MOUNTED DEVICE IN PARTITION WALLS
NTS



DETAIL ILLUSTRATING NEW SURFACE MOUNTED WALL DEVICE IN MECHANICAL SPACES
NTS



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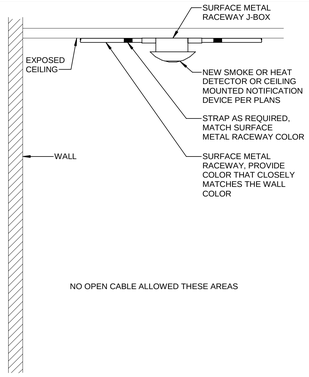

DETAIL ILLUSTRATING NEW SURFACE MOUNTED CEILING DEVICE IN FINISHED AREAS
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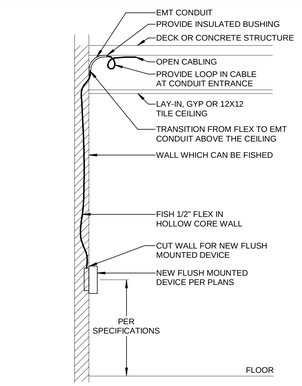

DETAIL ILLUSTRATING NEW FLUSH MOUNTED WALL DEVICE IN EXISTING FACILITIES
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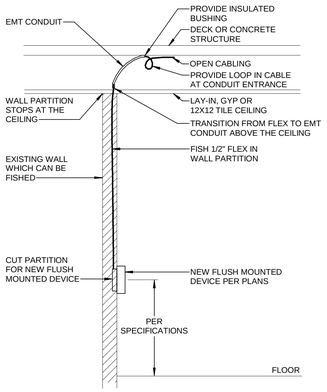
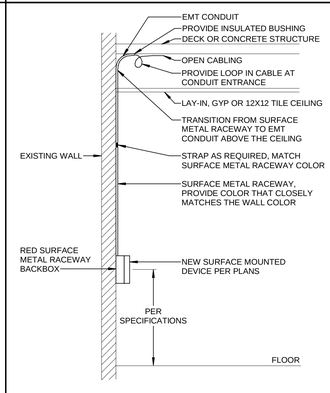


DETAIL ILLUSTRATING NEW MOUNTED WALL DEVICE IN EXISTING PARTITION WALLS
NTS



DETAIL ILLUSTRATING NEW SURFACE MOUNTED WALL DEVICE IN EXISTING FACILITIES
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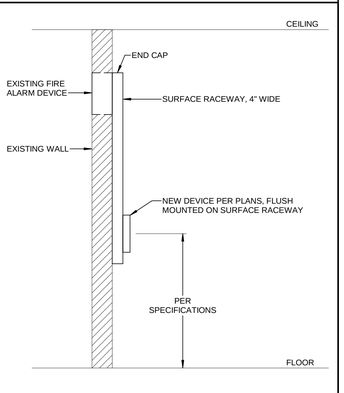
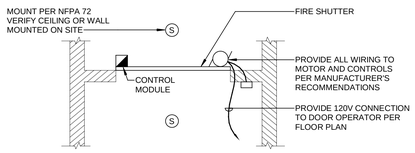


DETAIL ILLUSTRATING NEW SURFACE MOUNTED WALL DEVICE IN EXISTING FACILITIES
NTS

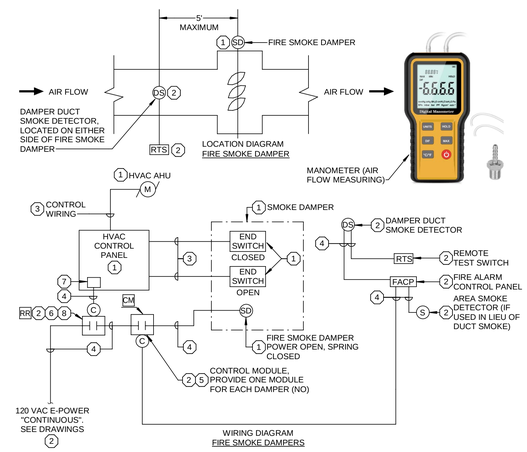
1 E3.1 FIRE ALARM DEVICE INSTALLATION DETAILS (NEW AND EXISTING FACILITIES)
SCALE: NTS



NOTES:

1. PROVIDE ALL FLUSH MOUNTED OUTLET BOXES WHERE WALL IS NEW OF WALL IS HOLLOW AND CAN BE FISHED.
2. IF EXISTING WALL CAN NOT BE FISHED, PROVIDE SURFACE METAL RACEWAY FOR CABLING. PROVIDE FIRE ALARM INTERFACE IN DOOR CONTROLLER ABOVE.
3. PROGRAM FIRE ALARM SYSTEM SUCH THAT DOOR CLOSES ONLY WHEN LOCAL SMOKE DETECTORS ARE ACTIVATED.

3 E3.1 FIRE SHUTTER INSTALLATION DETAIL
SCALE: NTS



GENERAL NOTES:

1. MOUNT REMOTE TEST STATION ON NEAREST WALL THAT PROVIDES ACCESS. IN INSTALLATIONS WHERE TWO OR MORE FIRE SMOKE DAMPERS ARE INSTALLED TOGETHER, MOUNT ALL TEST SWITCHES IN ONE AREA.
2. PROVIDE WIRING PER MANUFACTURE SPECIFICATIONS.
3. AT EACH RETURN AIR DUCT SMOKE DETECTOR AND/OR DETECTOR SERVING A SMOKE DAMPER, MEASURE AND RECORD THE PRESSURE DIFFERENTIAL AT EACH DEVICE TO VERIFY COMPLIANCE WITH THE UNIT MANUFACTURER REQUIREMENTS FOR PROPER AIRFLOW. ALL PRESSURE DIFFERENTIAL READINGS SHALL BE COMPILED IN ONE TABLE AND SUBMITTED WITH THE O&M MANUAL AT THE END OR THE PROJECT. PROVIDE THESE READINGS TO THE LOCAL AHJ AND/OR FIRE INSPECTOR UPON REQUEST PRIOR TO THE SUBMITTAL OF THE O&M MANUAL.

2 E3.1 FIRE ALARM DUCT DETECTOR INSTALLATION FOR FIRE SMOKE DAMPER POWER OPEN SPRING CLOSED
SCALE: NTS

SYSTEM OPERATION

NORMAL OPERATION OF THE AHU:

1. WHEN THE HVAC SYSTEM IS CALLING FOR THE *AHU TO OPERATE. THE TEMPERATURE CONTROL PANEL SHALL PROVIDE A CONTACT "CLOSURE" SIGNAL TO FIRE SMOKE DAMPER(S) THROUGH THE RIB RELAY.
2. ONCE THE FIRE SMOKE DAMPER IS IN THE FULLY OPEN POSITION, THE END SWITCH OF THE SMOKE DAMPER WILL SEND A SIGNAL TO THE TEMPERATURE CONTROL PANEL STATING IT IS FULLY OPEN THUS ALLOWING THE AHU TO OPERATE.
3. WHEN THE AHU IS TURNED OFF THE TEMPERATURE CONTROL PANEL WILL TURN OFF THE AHU AND WILL "OPEN" THE CONTACT, OF THE RIB RELAY, ALLOWING THE FIRE SMOKE DAMPER TO CLOSE MANUALLY VIA SPRING RETURN.

DUCT SMOKE DETECTOR SENSES SMOKE:

1. UNDER NORMAL OPERATION WHERE THE DUCT SMOKE DETECTOR DOES NOT SENSE SMOKE THE FIRE ALARM CONTROL PANEL SHALL CLOSE THE NORMALLY "OPEN" CONTACT (FAIL SECURE) OF THE FIRE ALARM CONTROL MODULE ALLOWING THE AHU TO OPERATE NORMALLY AS STATED ABOVE. THE TEMPERATURE CONTROL PANEL WILL OPEN THE SMOKE DAMPER THROUGH THE RIB RELAY WHICH WILL FEED ALL OF THE CONTROL MODULES ASSOCIATED WITH THE AHU. NOTE THERE WILL BE ONE CONTROL MODULE FOR EACH FIRE SMOKE DAMPER. WHEN MULTIPLE CONTROL MODULES ARE USED CONNECT THE 120 VOLT CONTACTS IN PARALLEL BETWEEN THE RIB RELAY AND THE SMOKE FIRE DAMPER(S).
2. IF THE DUCT SMOKE DETECTOR SENSES SMOKE IT WILL THEN DE-ENERGIZE OR "OPEN" ALL OF THE CONTROL MODULES FOR THE SMOKE DAMPERS ASSOCIATED WITH THIS AHU. IF MULTIPLE CONTROL MODULES ARE SHOWN CONNECT THEM IN SERIES.

NOTES:

1. THE FIRE SMOKE DAMPER SHALL BE CLOSED ANY TIME THE AHU IS NOT IN OPERATION.
2. *THE ABOVE REFERENCES "AHU" REFERENCES DIFFERENT PIECES OF HVAC EQUIPMENT. SEE DRAWINGS FOR ACTUAL HVAC DEVICE NAME TAG.

PLAN NOTE: (X)

1. EQUIPMENT PROVIDED AND INSTALLED BY HVAC CONTRACTOR.
2. EQUIPMENT PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
3. WIRING PROVIDED AND INSTALLED BY HVAC CONTRACTOR.
4. WIRING PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
5. SEE FLOOR PLANS FOR QUANTITY.
6. EC TO PROVIDE RIB RELAY. VERIFY COIL VOLTAGE 24 VOLT OR 120 VAC WITH HVAC CONTRACTOR.
7. CONNECTION IN HVAC CONTROL PANEL BY HVAC CONTRACTOR. EC TO COORDINATE WITH HVAC CONTRACTOR.
8. MOUNT RIB RELAY IN A NEMA 1 ENCLOSURE, LABEL WHICH DAMPER(S) THIS RELAY CONTROLS. LOCATE ENCLOSURE IN ACCESSIBLE LOCATION SUCH AS ADJACENT FROM HVAC CONTROL PANEL, DUCT DETECTOR REMOTE TEST, OR 120V PANEL FEEDING SMOKE DAMPERS.

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Project Number:
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Sheet Title:
FIRE ALARM DETAILS

Sheet Number:
E3.1

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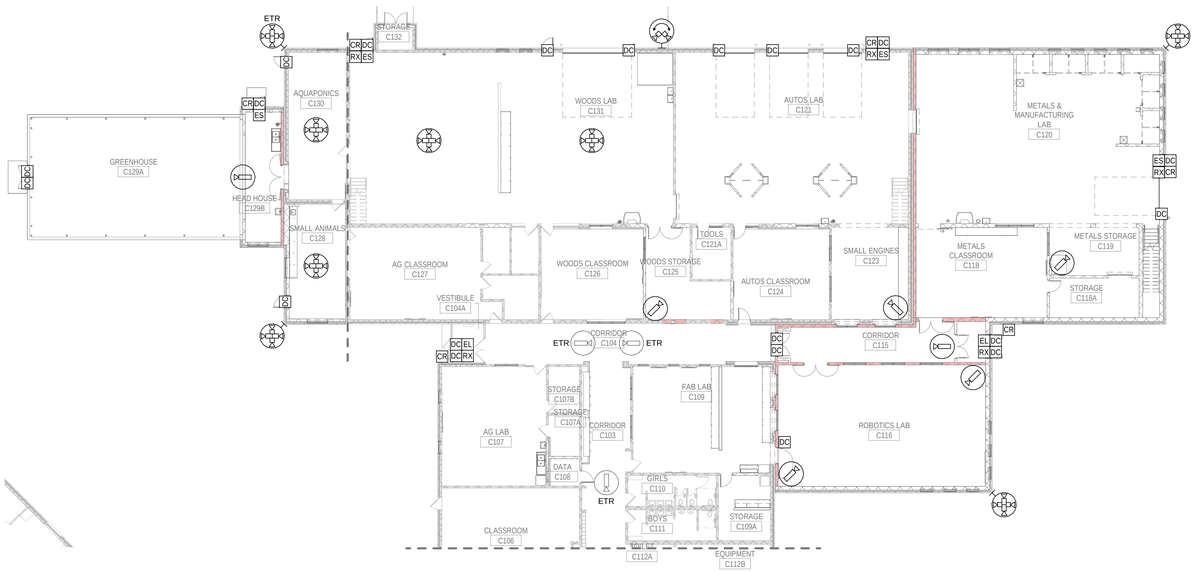
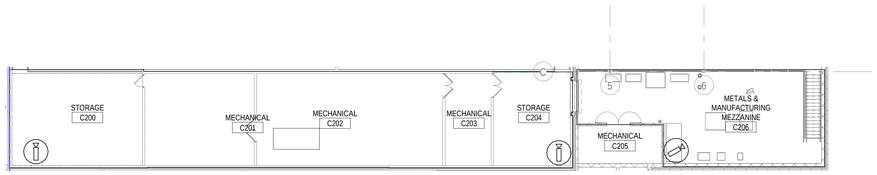
GENERAL NOTES

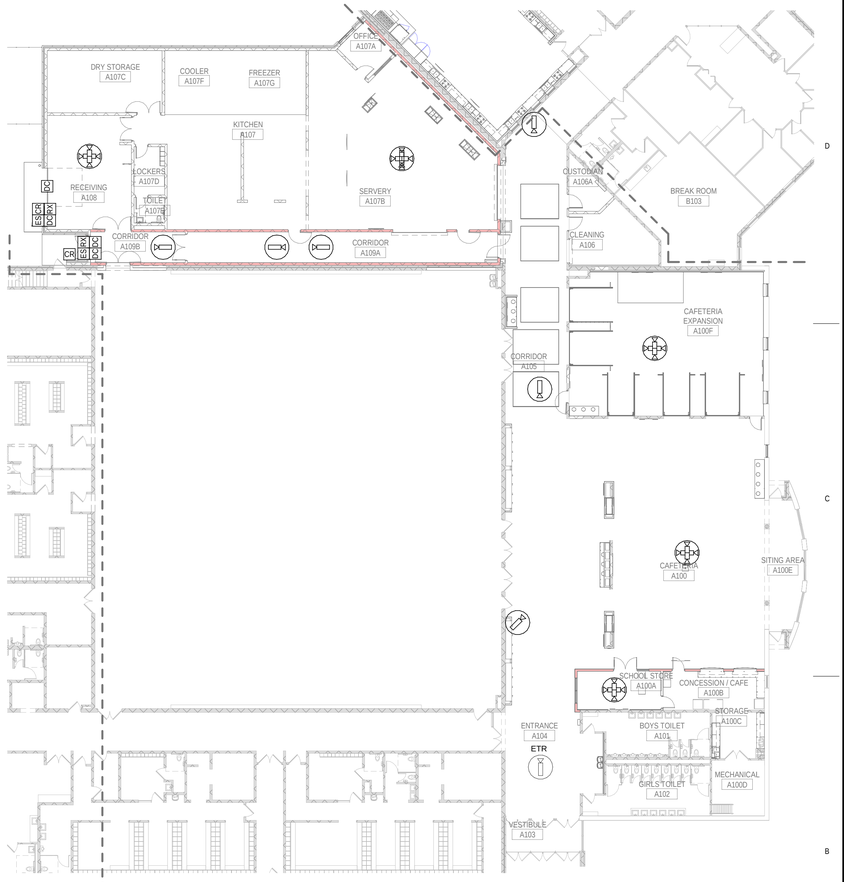
1. ALL CONDUIT AND CABLE FOR EXTERIOR CAMERAS SHALL BE INSTALL PER DETAIL 7/ES.2 .
2. ANY ADDITIONAL 120V POWER REQUIRED FOR KEYLESS ENTRY SYSTEM OR VIDEO SURVEILLANCE SYSTEM SHALL BE PROVIDED FROM NEAREST EXISTING PANELS. PROVIDE ADDITIONAL 20A/1P BREAKERS.
3. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
4. VERIFY ALL LOCATIONS AND MOUNTING HEIGHTS WITH OWNER'S SECURITY CAMERA VENDOR PRIOR TO ROUGH-IN AND INSTALLATION OF CABLING.
5. FOR ALL CAMERAS SHOWN HERE: PROVIDE NEW CAT 6 CABLE WITH A SERVICE LOOP AND TERMINATED TO A BISCUIT ABOVE CEILING. OWNERS VENDOR WILL ATTACH A PATCH CABLE, FURNISH AND INSTALL ALL CAMERAS.
6. FOR ALL CARD ACCESS DEVICES SHOWN HERE: PROVIDE SECURITY COMPOSITE CABLE (BANNA CABLE) THAT GOES FROM THE CENTRAL DOOR CONTROLLERS AND IS COILED ABOVE THE DOORS. SEE ARCHITECURAL FOR DOOR CONTACTS AND ELECTRIC STRIKES/PANICS. OWNERS VENDOR TO MAKE FINAL CONNECTIONS TO CONTACTS, STRIKES, READERS, AND REX (FURNISHED BY HARDWARE SUPPLIER).
7. DOOR CONTROLLER PANELS FOR AREA F WILL BE LOCATED IN DATA C108. DOOR CONTROLLER PANELS FOR AREA B WILL BE LOCATED IN B104 MAIN OFFICE.
8. ALL DOORS SHOWING DOOR CONTACTS ONLY (DC), PROVIDE 22/2 CABLE FROM THE DOOR TO THE DOOR CONTROLLER UNLESS NOTED OTHERWISE.



1 / E4.0 OVERALL FIRST FLOOR - SECURITY F
Scale: 1/16" = 1'-0"



3 / E4.0 OVERALL FIRST FLOOR - SECURITY F - TECH MEZZ
Scale: 1/16" = 1'-0"



2 / E4.0 OVERALL FIRST FLOOR - SECURITY AREA B
SCALE: NTS

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CONSTRUCTION DOCUMENTS
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Project Number:
3705

Sheet Title:
OVERALL SECURITY FLOOR PLANS

Sheet Number:
E4.0

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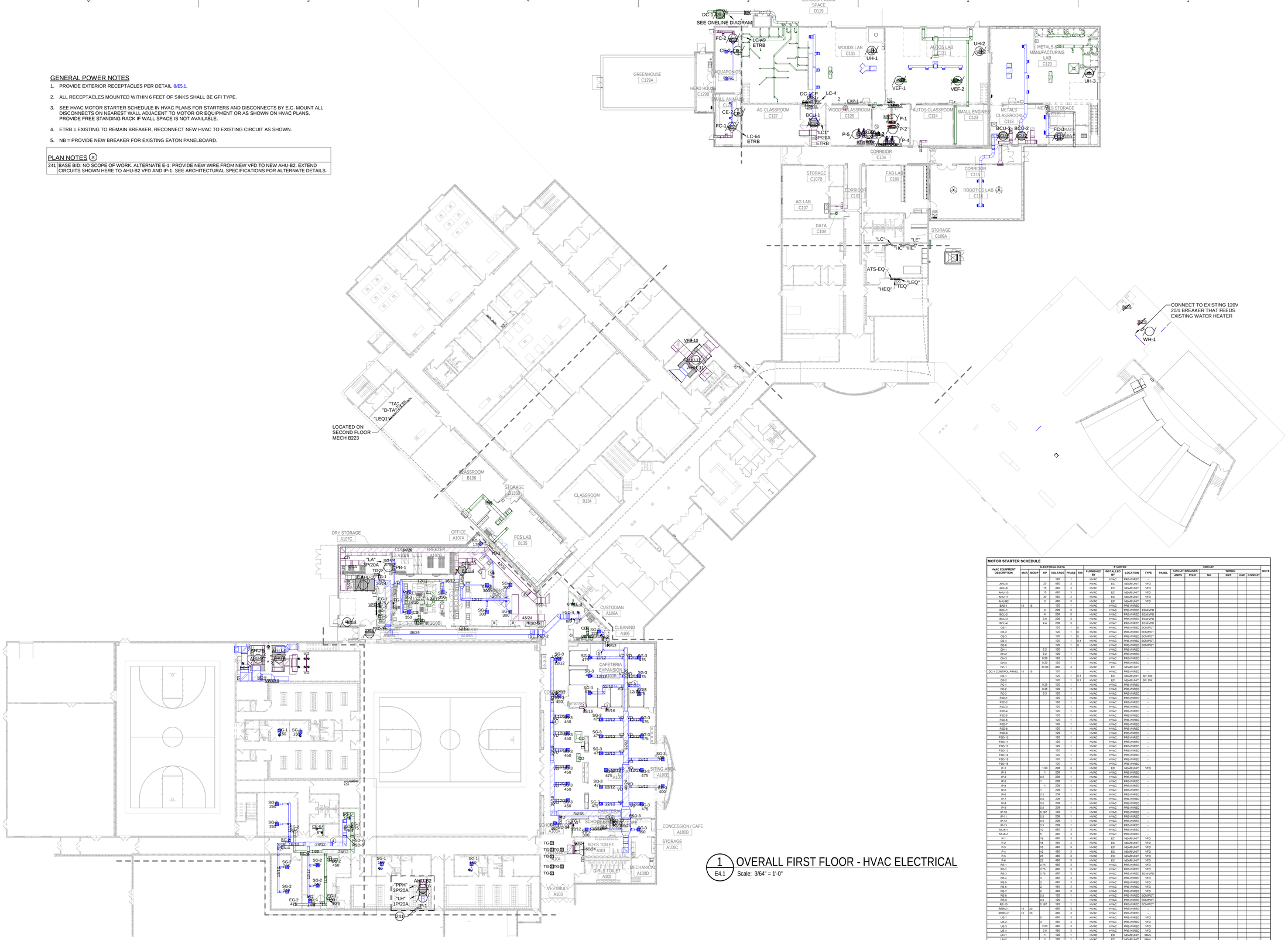
GENERAL POWER NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 8/ES1.
2. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
3. SEE HVAC MOTOR STARTER SCHEDULE IN HVAC PLANS FOR STARTERS AND DISCONNECTS BY E.C. MOUNT ALL DISCONNECTS ON NEAREST WALL ADJACENT TO MOTOR OR EQUIPMENT OR AS SHOWN ON HVAC PLANS. PROVIDE FREE STANDING RACK IF WALL SPACE IS NOT AVAILABLE.
4. ETRB = EXISTING TO REMAIN BREAKER, RECONNECT NEW HVAC TO EXISTING CIRCUIT AS SHOWN.
5. NB = PROVIDE NEW BREAKER FOR EXISTING EATON PANELBOARD.

PLAN NOTES (X)

241 BASE BID: NO SCOPE OF WORK. ALTERNATE E-1: PROVIDE NEW WIRE FROM NEW VFD TO NEW AHU-B2. EXTEND CIRCUITS SHOWN HERE TO AHU-B2 VFD AND IP-1. SEE ARCHITECTURAL SPECIFICATIONS FOR ALTERNATE DETAILS.



1 E4.1 OVERALL FIRST FLOOR - HVAC ELECTRICAL
Scale: 3/64" = 1'-0"

MOTOR STARTER SCHEDULE

HVAC EQUIPMENT DESCRIPTION	ELECTRICAL DATA MCA	MOCP	HP	VOLTAGE	PHASE	KW	STARTER FURNISHED BY	INSTALLED BY	LOCATION	TYPE	CIRCUIT PANEL	CIRCUIT BREAKER AMPS	POLE	NO.	WIRING SIZE	GND	CONDUIT	NOTE
				120	1		HVAC	HVAC	PRE-WIRED									
AHU-5			20	480	3		HVAC	EC	NEAR UNIT	VFD								
AHU-6			15	480	3		HVAC	EC	NEAR UNIT	VFD								
AHU-10			15	480	3		HVAC	EC	NEAR UNIT	VFD								
AHU-11			30	480	3		HVAC	EC	NEAR UNIT	VFD								
AHU-B2			2	480	3		HVAC	EC	NEAR UNIT	VFD								
BAS-1	15	15		120	1		HVAC	HVAC	PRE-WIRED									
BCU-1			4	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD								
BCU-2			4	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD								
BCU-3			0.8	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD								
BCU-4			4.4	208	3		HVAC	HVAC	PRE-WIRED	ECM/VFD								
CE-1				120	1	0	HVAC	HVAC	PRE-WIRED	ECM/POT								
CE-2				120	1	0	HVAC	HVAC	PRE-WIRED	ECM/POT								
CE-3				120	1	0	HVAC	HVAC	PRE-WIRED	ECM/POT								
CE-4				120	1	0.1	HVAC	HVAC	PRE-WIRED	ECM/POT								
CE-6				120	1	0	HVAC	HVAC	PRE-WIRED	ECM/POT								
CH-1			0.2	120	1		HVAC	HVAC	PRE-WIRED	-								
CH-2			0.2	120	1		HVAC	HVAC	PRE-WIRED	-								
CH-3			0.20	120	1		HVAC	HVAC	PRE-WIRED	-								
CH-4			0.20	120	1		HVAC	HVAC	PRE-WIRED	-								
DC-1			30.00	480	3		HVAC	EC	NEAR UNIT	-								
DC-1 CONTROL PANEL	15	15		120	1		HVAC	HVAC	PRE-WIRED									
DS-1				120	1	0.1	HVAC	EC	NEAR UNIT	SP, SW								
DS-2				120	1	0.1	HVAC	EC	NEAR UNIT	SP, SW								
FC-1			0.25	120	1		HVAC	HVAC	PRE-WIRED	-								
FC-2			0.25	120	1		HVAC	HVAC	PRE-WIRED	-								
FC-3			0.3	120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-1				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-2				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-3				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-4				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-5				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-6				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-7				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-8				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-9				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-10				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-11				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-12				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-13				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-14				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-15				120	1		HVAC	HVAC	PRE-WIRED	-								
FSD-16				120	1		HVAC	HVAC	PRE-WIRED	-								
IP-1			1.00	208	3		HVAC	EC	NEAR UNIT	VFD								
IP-1			1	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-2			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-3			1	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-4			1	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-5			1	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-6			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-7			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-8			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-9			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-10			0.167	120	1		HVAC	HVAC	PRE-WIRED	-								
IP-11			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-12			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
IP-13			0.5	208	1		HVAC	HVAC	PRE-WIRED	-								
MUA-1			10	480	3		HVAC	EC	NEAR UNIT	VFD								
MUA-2			5	480	3		HVAC	HVAC	PRE-WIRED									
P-1			15	480	3		HVAC	EC	NEAR UNIT	VFD								
P-2			15	480	3		HVAC	EC	NEAR UNIT	VFD								
P-3			10	480	3		HVAC	EC	NEAR UNIT	VFD								
P-4			10	480	3		HVAC	EC	NEAR UNIT	VFD								
P-5			25	480	3		HVAC	EC	NEAR UNIT	VFD								
P-6			25	480	3		HVAC	EC	NEAR UNIT	VFD								
RE-1			0.75	480	3		HVAC	HVAC	PRE-WIRED	VFD								
RE-2			0.75	480	3		HVAC	HVAC	PRE-WIRED	VFD								
RE-3			0.75	480	3		HVAC	HVAC	PRE-WIRED	ECM/VFD								
RE-4			3	480	3		HVAC	HVAC	PRE-WIRED	VFD								
RE-5			3	480	3		HVAC	HVAC	PRE-WIRED	VFD								
RE-6			2	480	3		HVAC	HVAC	PRE-WIRED	VFD								
RE-7			2	480	3		HVAC	HVAC	PRE-WIRED	VFD								
RE-8			0.5	120	1		HVAC	HVAC	PRE-WIRED	ECM/POT								
RE-9			0.5	120	1		HVAC	HVAC	PRE-WIRED	ECM/POT								
RE-10			0.167	120	1		HVAC	HVAC	PRE-WIRED	ECM/POT								
RERU-1	15	20		480	3		HVAC	HVAC	PRE-WIRED	-								
RERU-2	15	20		480	3		HVAC	HVAC	PRE-WIRED	-								
UE-1			5	480	3		HVAC	HVAC	PRE-WIRED	VFD								
UE-2			5	480	3		HVAC	HVAC	PRE-WIRED	VFD								
UE-3			2.00	480	3		HVAC	HVAC	PRE-WIRED	VFD								
UE-4			2.0	480	3		HVAC	HVAC	PRE-WIRED	VFD								
UH-1			1	120	1		HVAC	EC	NEAR UNIT	MAN.								
UH-2			1	120	1		HVAC	EC	NEAR UNIT	MAN.								
UH-3			0.33	120	1		HVAC	EC	NEAR UNIT	MAN.								
UH-4			0.13	120	1		HVAC	EC	NEAR UNIT	MAN.								
VEF-1			1	208	3		HVAC	HVAC	PRE-WIRED	-								
VEF-2				208	3		HVAC	HVAC	PRE-WIRED	-								
XGF3-1	1	15		120	1		HVAC	HVAC	PRE-WIRED	-								
XUH-10			0.25	120	1		HVAC	EC	NEAR UNIT	MAN.								

GENERAL NOTES:
1. DISCONNECTS FOR HVAC EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO INSTALL PER MECHANICAL CONTRACTORS REQUIREMENTS.
2. ALL WIRE TO HVAC EQUIPMENT TO BE COPPER ONLY.

SCHEDULE NOTES:
1. CONNECT TO NEAREST 120V RECEPTACLE CIRCUIT.
2. PROVIDE DUCT SMOKE DETECTOR ON THIS HVAC UNIT PER DETAIL 4/E302. PROVIDE REMOTE TEST SWITCH.
3. PROVIDE WEATHERPROOF GFCI RECEPTACLE MOUNTED ON ROOF NEAR HVAC UNIT. CONECT TO NEAREST 120V RECEPTACLE CIRCUIT.
4. UNIT POWERED BY OUTDOOR UNIT-EU. WIRE FROM THIS LOCATION TO UNIT.
5. PROVIDE DUCT SMOKE DETECTOR AND ADDRESSABLE CONTROL MODULE TO CONTROL SMOKE DAMPER. E.C. TO PROVIDE WIRING FROM RELAY TO DAMPER ACTUATOR. CIRCUIT TO A 20A/1P BREAKER IN NEAREST PANEL. PROVIDE FIRE ALARM PROGRAMMING FOR SHUTTING DOWN THE AHU FROM ANY OF THE EXISTING SMOKE DETECTORS IN THE CORRIDOR.
6. UPON DETECTION OF SMOKE FROM ANY OF THE EXISTING SMOKE DETECTORS IN THE CORRIDOR ALL FOUR SMOKE DAMPERS SHALL CLOSE AND THE ASSOCIATED AHU SHALL SHUT DOWN THROUGH THE EXISTING FIRE ALARM INTERLOCK. PROVIDE FIRE ALARM PROGRAMMING FOR SHUTTING DOWN THE AHU FROM ANY OF THE EXISTING SMOKE DETECTORS IN THE CORRIDOR.
7. PROVIDE FIRE ALARM CONTROL MODULE TO CONTROL ALL FOUR SMOKE DAMPERS TOGETHER UPON DETECTION OF SMOKE FROM ANY OF THE EXISTING CORRIDOR SMOKE DETECTORS.
8. PROVIDE DUCT DETECTECTOR FOR SMOKE DAMPER PER DETAIL 4/E302

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OVERALL FIRST FLOOR - HVAC/ PLUMBING ELECTRICAL

Sheet Number:
E4.1

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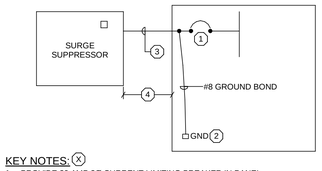
FEEDER SCHEDULE								
IDENTIFIER	AMPACITY	1Ø TWO-WIRE CIRCUIT		1Ø OR 3Ø THREE-WIRE CIRCUIT		3Ø FOUR-WIRE CIRCUIT		EQUIPMENT GROUNDING CONDUCTOR
		CONDUIT	CIRCUIT CONDUCTORS	CONDUIT	CIRCUIT CONDUCTORS	CONDUIT	CIRCUIT CONDUCTORS	
COPPER CONDUCTORS								
1	10	3/4"	(2) #12	3/4"	(3) #12	3/4"	(4) #12	#12
2	15	3/4"	(2) #12	3/4"	(3) #12	3/4"	(4) #12	#12
3	20	3/4"	(2) #12	3/4"	(3) #12	3/4"	(4) #12	#12
4	25	3/4"	(2) #10	3/4"	(3) #10	3/4"	(4) #10	#10
5	30	3/4"	(2) #10	3/4"	(3) #10	3/4"	(4) #10	#10
6	35	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
7	40	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
8	45	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
9	50	3/4"	(2) #8	3/4"	(3) #8	3/4"	(4) #8	#10
10	60	3/4"	(2) #6	3/4"	(3) #6	1"	(4) #6	#10
11	70	1"	(2) #4	1"	(3) #4	1-1/4"	(4) #4	#8
12	80	1"	(2) #4	1"	(3) #4	1-1/4"	(4) #4	#8
13	90	1"	(2) #3	1"	(3) #3	1-1/4"	(4) #3	#8
14	100	1-1/4"	(2) #3	1-1/4"	(3) #3	1-1/4"	(4) #3	#8
ALUMINUM CONDUCTORS								
15	110	1-1/4"	(2) #1/0	1"	(3) #1/0	2"	(4) #1/0	#4
16	125	1-1/2"	(2) #2/0	2"	(3) #2/0	2"	(4) #2/0	#4
17	150	1-1/2"	(2) #3/0	2"	(3) #3/0	2"	(4) #3/0	#4
18	175	N/A	N/A	2"	(3) #4/0	2-1/2"	(4) #4/0	#4
19	200	N/A	N/A	2-1/2"	(3) 250KCMIL	2-1/2"	(4) 250KCMIL	#4
20	225	N/A	N/A	2-1/2"	(3) 300KCMIL	2-1/2"	(4) 300KCMIL	#2
21	250	N/A	N/A	2-1/2"	(3) 350KCMIL	3"	(4) 350KCMIL	#2
22	300	N/A	N/A	3"	(3) 500 KCMIL	3"	(4) 500KCMIL	#2
23	350	N/A	N/A	(2) 2"	2 SETS OF (3) #4/0	(2) 2-1/2"	2 SETS OF (4) #4/0	#1
24	400	N/A	N/A	(2) 2-1/2"	2 SETS OF (3) 250KCMIL	(2) 2-1/2"	2 SETS OF (4) 250KCMIL	#1
25	450	N/A	N/A	(2) 2-1/2"	2 SETS OF (3) 300KCMIL	(2) 2-1/2"	2 SETS OF (4) 300KCMIL	#1/0
26	500	N/A	N/A	(2) 2-1/2"	2 SETS OF (3) 350KCMIL	(2) 3"	2 SETS OF (4) 350KCMIL	#1/0
27	600	N/A	N/A	(2) 3"	2 SETS OF (3) 500KCMIL	(2) 3 1/2"	2 SETS OF (4) 500KCMIL	#2/0
28	700	N/A	N/A	(3) 2-1/2"	3 SETS OF (3) 350KCMIL	(3) 3"	3 SETS OF (4) 350KCMIL	#3/0
29	800	N/A	N/A	(4) 2-1/2"	4 SETS OF (3) 250KCMIL	(4) 2-1/2"	4 SETS OF (4) 250KCMIL	#3/0
30	900	N/A	N/A	(4) 2-1/2"	4 SETS OF (3) 300KCMIL	(4) 2-1/2"	4 SETS OF (4) 300KCMIL	#4/0
31	1000	N/A	N/A	(4) 2-1/2"	4 SETS OF (3) 350KCMIL	(4) 3"	4 SETS OF (4) 350KCMIL	#4/0
32	1200	N/A	N/A	(4) 3"	4 SETS OF (3) 500KCMIL	(4) 3-1/2"	4 SETS OF (4) 500KCMIL	250KCMIL
33	1600	N/A	N/A	(6) 2-1/2"	6 SETS OF (3) 400KCMIL	(6) 3"	6 SETS OF (4) 400KCMIL	350KCMIL
34	1800	N/A	N/A	(6) 3"	6 SETS OF (3) 500KCMIL	(6) 3-1/2"	6 SETS OF (4) 500KCMIL	400KCMIL
35	2000	N/A	N/A	(6) 3"	6 SETS OF (3) 600KCMIL	(6) 3-1/2"	6 SETS OF (4) 600KCMIL	400KCMIL
36	2500	N/A	N/A	(8) 3"	8 SETS OF (3) 600KCMIL	(8) 3-1/2"	8 SETS OF (4) 600KCMIL	600KCMIL
37	3000	N/A	N/A	(10) 3-1/2"	10 SETS OF (3) 500KCMIL	(10) 3-1/2"	10 SETS OF (4) 500KCMIL	600KCMIL
38	4000	N/A	N/A	(12) 3-1/2"	12 SETS OF (3) 600KCMIL	(12) 4"	12 SETS OF (4) 600KCMIL	800KCMIL

PLAN NOTATION:

- ◇ SINGLE-PHASE, TWO-WIRE FEEDER, NUMBER IS THE FEEDER IDENTIFIER
- □ SINGLE OR THREE-PHASE, THREE-WIRE FEEDER, NUMBER IS THE FEEDER IDENTIFIER
- ○ THREE-PHASE, FOUR-WIRE FEEDER, NUMBER IS THE FEEDER IDENTIFIER



KEY NOTES: (X)

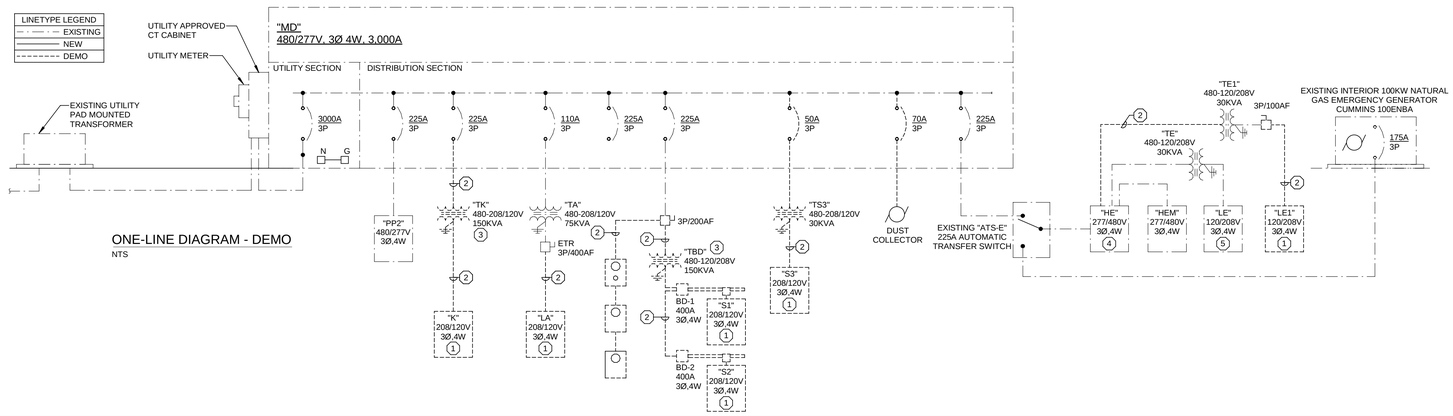
1. PROVIDE 30 AMP 3Ø CURRENT LIMITING BREAKER IN PANEL.
2. MAIN SERVICE PANEL OR DISTRIBUTION PANEL, SEE DRAWINGS.
3. ##10 & #8 GND. IN 1" CONDUIT FOR 30 AMP BUILDING INTERIOR PANEL SURGE SUPPRESSION.
4. CONDUIT AND FEEDER DISTANCE NOT TO EXCEED 5 FEET.

4 / E5.0 SURGE SUPPRESSION CONNECTION

SCALE: NTS

PLAN NOTES: (X)

1. REMOVE EXISTING PANEL, ALL CIRCUIT BREAKERS; AND FEEDER. OVERHEAD BRANCH CIRCUIT WIRING TO BE EXTENDED. PROVIDE NEW HOMERUN BRANCH CIRCUIT FOR ALL EXISTING TO REMAIN BRANCH CIRCUITS THAT ARE ROUTED BELOW GRADE AT REMOVED PANEL LOCATION. FIELD VERIFY. RE-FEED EXISTING TO REMAIN LOADS ABOVE GRADE TO NEW PANEL LOCATION.PANEL TO BE REPLACED WITH NEW PANEL.
2. REMOVE FEEDER WIRE AND CONDUIT.
3. REMOVE TRANSFORMER.
4. SALVAGE CIRCUITS FEEDING "TE" 50A/3, "TE1" 50A/3, AND CIRC PUMP #9 20A/3.
5. SALVAGE EXISTING CIRCUITS FROM BREAKERS FEEDING NON-LIFE SAFETY LOADS. EXISTING BREAKERS TO BE LEFT IN PLACE AND USED AS SPARES OR FOR FIRE ALARM SYSTEM. SEE FIRE ALARM GENERAL NOTES. EXISTING TO REMAIN LIFE SAFTEY CIRCUITS ARE LE-9, LE-11, LE-14, LE-15, LE-17, LE-19.



ONE-LINE DIAGRAM - DEMO

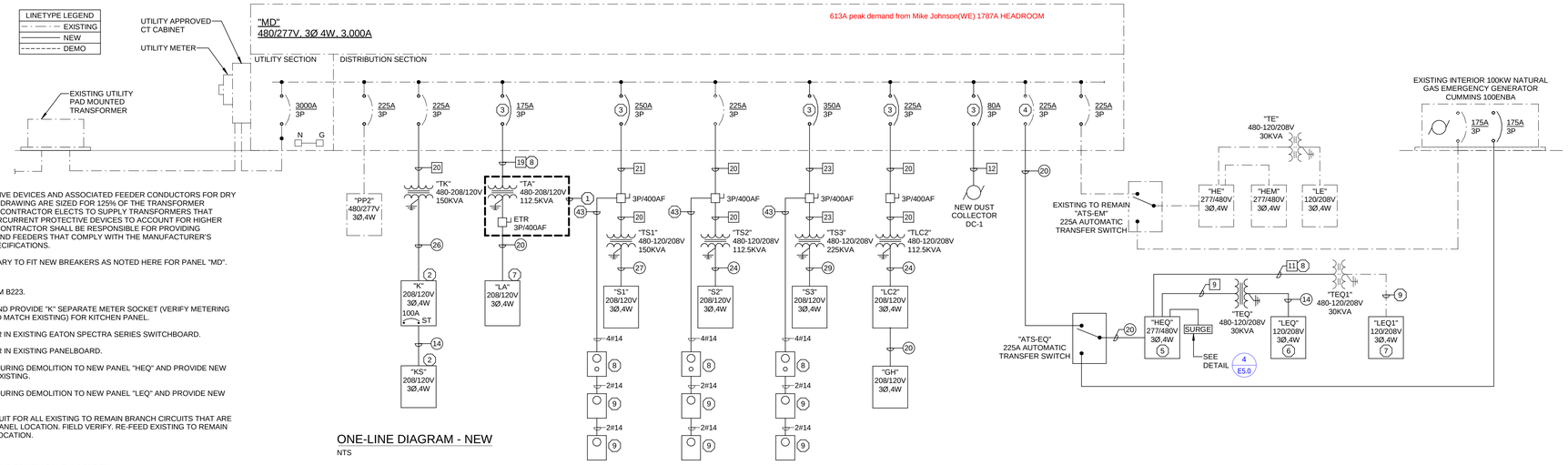
NTS

GENERAL NOTES:

1. THE PRIMARY OVERCURRENT PROTECTIVE DEVICES AND ASSOCIATED FEEDER CONDUCTORS FOR DRY TYPE TRANSFORMERS SHOWN ON THIS DRAWING ARE SIZED FOR 125% OF THE TRANSFORMER NAMEPLATE PRIMARY CURRENT. IF THE CONTRACTOR ELECTS TO SUPPLY TRANSFORMERS THAT REQUIRE HIGHER RATED PRIMARY OVERCURRENT PROTECTIVE DEVICES TO ACCOUNT FOR HIGHER INRUSH CHARACTERISTICS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING OVERCURRENT PROTECTIVE DEVICES AND FEEDERS THAT COMPLY WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATIONS.
2. REMOVE EXISTING SPARES AS NECESSARY TO FIT NEW BREAKERS AS NOTED HERE FOR PANEL "MD".

PLAN NOTES: (X)

1. LOCATED IN AREA D, MECHANICAL ROOM B223.
2. PROVIDE "KS" WITH SHUNT TRIP MAIN AND PROVIDE "K" SEPARATE METER SOCKET (VERIFY METERING METHOD (BAS, METER AND SOCKET AND MATCH EXISTING) FOR KITCHEN PANEL.
3. PROVIDE NEW EATON CIRCUIT BREAKER IN EXISTING EATON SPECTRA SERIES SWITCHBOARD.
4. CONNECT TO EXISTING SPARE BREAKER IN EXISTING PANELBOARD.
5. EXTEND EXISTING CIRCUITS MODIFIED DURING DEMOLITION TO NEW PANEL "HEQ" AND PROVIDE NEW BREAKERS IN PANEL "HEQ" TO MATCH EXISTING.
6. EXTEND EXISTING CIRCUITS MODIFIED DURING DEMOLITION TO NEW PANEL "LEQ" AND PROVIDE NEW BREAKERS TO MATCH EXISTING.
7. PROVIDE NEW HOMERUN BRANCH CIRCUIT FOR ALL EXISTING TO REMAIN BRANCH CIRCUITS THAT ARE ROUTED BELOW GRADE AT REMOVED PANEL LOCATION. FIELD VERIFY. RE-FEED EXISTING TO REMAIN LOADS ABOVE GRADE TO NEW PANEL LOCATION.
8. UPSIZE FOR VOLTAGE DROP.
9. INTERCEPT EXISTING FEEDER AND EXTEND TO NEW PANEL LOCATION.
10. PROVIDE NEW BREAKER FOR EXISTING GENERATOR AS NOTED (CUMMINS 100ENBA).



ONE-LINE DIAGRAM - NEW

NTS

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
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WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

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Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
ONE LINE DIAGRAM & SCHEDULES

Sheet Number:
E5.0

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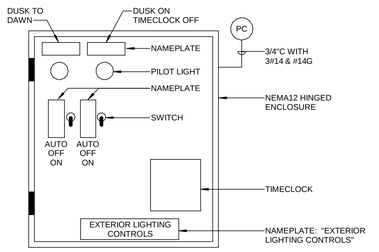
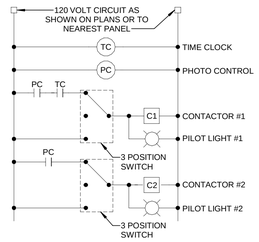
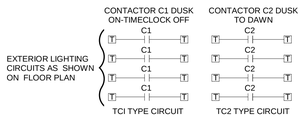




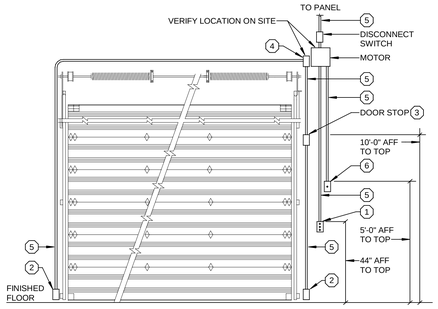
COMPONENTS:

TIMECLOCK:	INTERMATIC ET1725C ELECTRONIC SEVEN DAY
PHOTOCONTROL:	INTERMATIC-K4221 MOUNT WHERE SHOWN ON FLOOR PLANS, OR IF NOT SHOWN, ON NORTH SIDE OF BUILDING.
CONTACTORS:	"SQUARE D" 8903-L040-V02 MINIMUM CONFIGURATION, PROVIDE ADDITIONAL CONTACTOR POLES IF REQUIRED.
PILOT LIGHTS:	120 VOLT LED TYPE. PROVIDE ENGRAVED LABEL INDICATING "DUSK TO DAWN" AND "DUSK ON-TIMECLOCK OFF".
3-POSITION SWITCHES:	CENTER OFF TYPE, HEAVY DUTY TOGGLE SWITCH. PROVIDE ENGRAVED LABEL FOR EACH SWITCH "AUTO-OFF-ON".



T = TERMINAL STRIP

4 E5.1 EXTERIOR LIGHTING CONTROLS
SCALE: NTS

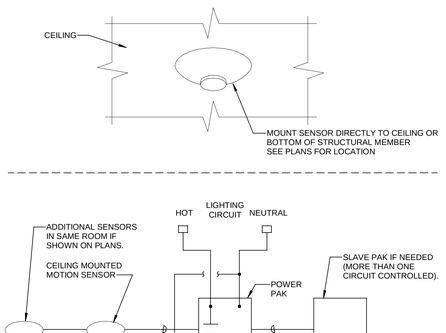


INTERIOR VIEW

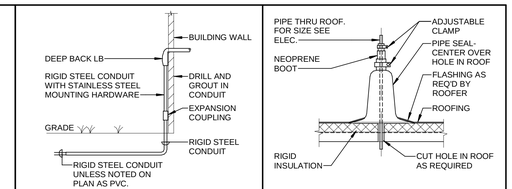
PLAN NOTES: (X)

1. 1-GANG PUSH BUTTON DOOR OPENER (FBO) FLUSH MOUNTED ON BUILDING INTERIOR.
2. PROVIDE A FLUSH 1-GANG J-BOX FOR STOP EYE, WIRING BY SUPPLIER.
3. PROVIDE A FLUSH 1-GANG J-BOX FOR STOP SWITCH, WIRING BY SUPPLIER.
4. PROVIDE A FLUSH 1-GANG J-BOX FOR CONTROL, WIRING BY SUPPLIER.
5. PROVIDE A FLUSH MOUNTED 1/2"C.
6. PROVIDE A FLUSH MOUNTED 1-GANG J-BOX FOR DOOR CIRCUIT INDICATER LED. WIRING BY SUPPLIER.

3 E5.1 OVERHEAD GARAGE DOOR DETAIL WITH INDICATOR
SCALE: NTS



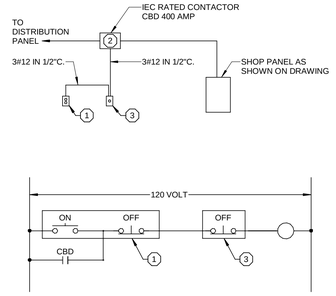
2 E5.1 MOTION SENSOR LIGHTING CONTROL
SCALE: NTS



NOTES:

1. E.C. MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE.
2. PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT.

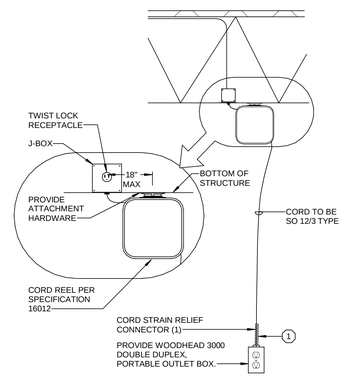
1 E5.1 CONDUIT DETAILS
SCALE: NTS



KEY NOTES: (X)

1. PROVIDE SQUARE "D" TYPE KEYED SWITCH, MOMENTARY SPRING RETURN TO CENTER, CENTER OFF, KEY REMOVABLE (XB4BG61) STOP BUTTON WITH MUSHROOM HEAD (ZB4BC4) EMERGENCY ON/OFF OPERATOR. PROVIDE 4 KEYS. MOMENTARY PUSH BUTTON TO BE (ZB4BZ101), BOX TO BE XYAF2 SHEET STEEL. PROVIDE RED ENGRAVED LABEL WITH WHITE LETTERING "SHOP SHUT DOWN".
2. PROVIDE SQUARE "D" 3 POLE IEC RATED ELECTRICALLY HELD CONTACTOR IN NEMA 1 ENCLOSURE. PROVIDE CONTACTS AS SHOWN ON RISER DIAGRAM. PROVIDE AUXILIARY CONTACT FOR HOLD CONTACTS.
3. PROVIDE SQUARE "D" TYPE 9001 MUSHROOM HEAD "OFF" BUTTON MOUNTED IN NEMA 4 ENCLOSURE WHERE SHOWN ON DRAWINGS. PROVIDE ENGRAVED LABEL "SHOP POWER SHUT OFF". MOUNT BUTTON AT 6'-0" AFF. VERIFY ACTUAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.

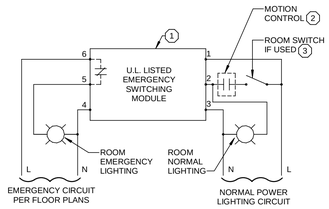
7 E5.1 SHOP SHUT DOWN PANEL DETAIL
SCALE: NTS



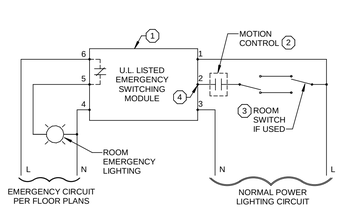
NOTE: (X)

1. CORD STRAIN RELIEF TO BE KELLEMS.

6 E5.1 OPEN CEILING CORD REEL RECEPTACLE DETAIL
SCALE: NTS

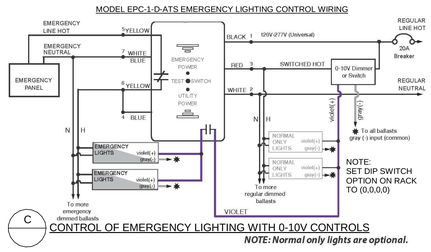


A CONTROL OF EMERGENCY AND NORMAL LIGHTING WITH SAME SWITCH AND/OR MOTION DETECTOR



B CONTROL OF EMERGENCY LIGHTING WITH SWITCH AND/OR MOTION DETECTOR OR EMERGENCY LIGHTING TO OPERATE ONLY UPON LOSS OF NORMAL POWER

MODEL EPC-1-D-ATS EMERGENCY LIGHTING CONTROL WIRING



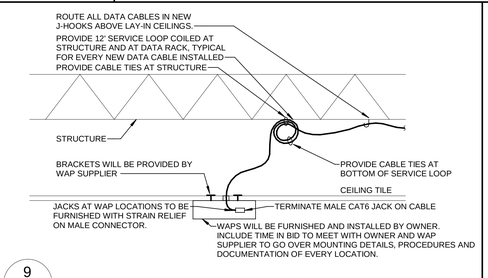
C CONTROL OF EMERGENCY LIGHTING WITH 0-10V CONTROLS

NOTE: Normal only lights are optional.

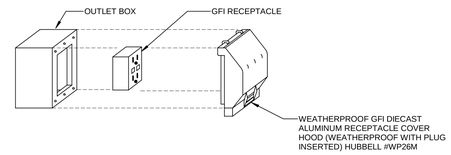
PLAN NOTES: (X)

1. MOUNT IN NEMA 1 VENTED ENCLOSURE, 200% LARGER THAN MODULE(S). MOUNT ADJACENT TO EMERGENCY PANEL. PROVIDE ENGRAVED LABEL ON ENCLOSURE INDICATING FUNCTION IE: "EMERGENCY BYPASS RELAY XXXXXXXX LIGHTING".
2. POWER SUPPLY FOR MOTION DETECTOR ON NORMAL CIRCUIT. DELETE WHEN NOT SHOWN ON DRAWING.
3. SINGLE POLE 3-WAY AND 4-WAY SWITCHES. IF SHOWN ON PLANS.
4. CAP NORMAL SWITCH SENSE LINE WHERE EMERGENCY LIGHTING TO OPERATE ONLY UPON LOSS OF NORMAL POWER.

5 E5.1 EMERGENCY BYPASS DEVICE 0-10V
SCALE: NTS



9 E5.1 WIRELESS ACCESS POINT MOUNTING DETAIL
SCALE: NTS



NOTE:
FOR ALL NEW CONSTRUCTION BOX IS TO BE FLUSH MOUNTED.

OUTLET BOX:
FLUSH: 3 1/2" DEEP 1-GANG MASONRY BOX SURFACE: F.S. BOX

8 E5.1 GFI/WP RECEPTACLE MOUNTING DETAIL
SCALE: NTS

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DETAILS

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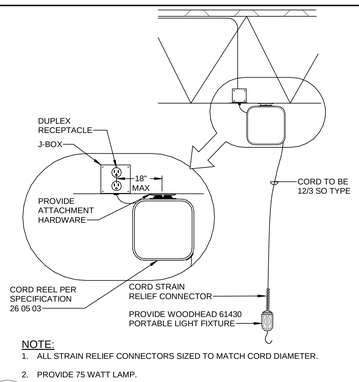
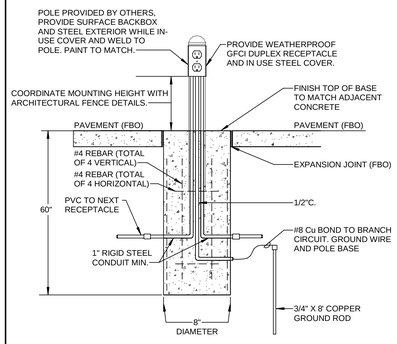
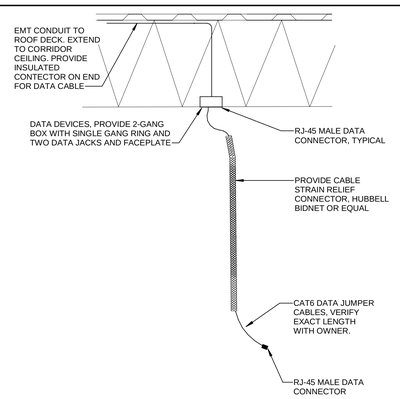


NOTE:
1. ALL STRAIN RELIEF CONNECTORS SIZED TO MATCH CORD DIAMETER.
2. PROVIDE 75 WATT LAMP.

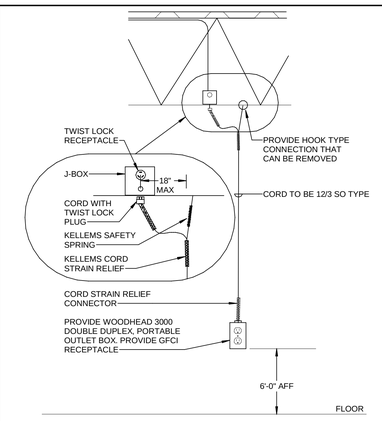
4 / E5.2 OPEN CEILING CORD REEL, LIGHT DETAIL
SCALE: NTS



6 / E5.2 BOLLARD MOUNTED RECEPTACLE DETAIL
SCALE: NTS

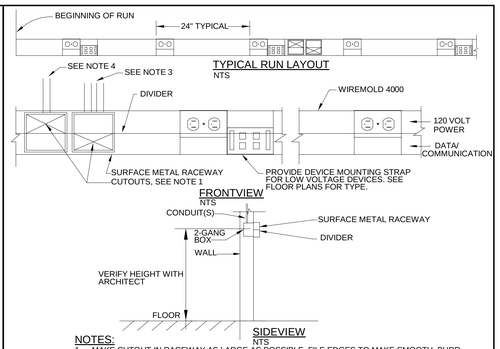


3 / E5.2 DATA DROP DETAIL
SCALE: NTS



NOTE:
1. ALL STRAIN RELIEF CONNECTORS SIZED TO MATCH CORD DIAMETER.

2 / E5.2 OPEN CEILING CORD DROP OUTLET DETAIL
SCALE: NTS



TYPICAL RUN LAYOUT
NTS

FRONTVIEW
NTS

SIDEVIEW
NTS

NOTES:
1. MAKE CUTOUT IN RACEWAY AS LARGE AS POSSIBLE. FILE EDGES TO MAKE SMOOTH, BURR
2. FREE. PROVIDE DATA/COMMUNICATION CONDUIT FEED FOR EVERY SEPARATE LENGTH OF RACEWAY AND TWO DROPS FOR LENGTHS OVER 24'.
3. STUB TWO (2) 1" CONDUITS INTO CEILING SPACE ABOVE. TERMINATE CONDUITS WITH INSULATED CONNECTOR ON BOTH ENDS. PROVIDE 4 11/16" BOX IN WALL WITH 1 GANG HORIZONTAL COVER.
4. PROVIDE MINIMUM 1" CONDUIT, 4" SQUARE OUTLET BOX WITH 1 GANG HORIZONTAL COVER.
5. SEE FLOOR PLANS AND SPECIFICATION SECTION 16141 FOR DESCRIPTION OF REQUIRED DATA OUTLETS AND BLANK BOXES.
6. PROVIDE #10 GROUND WIRE THROUGH RACEWAY AND BACK TO PANELBOARD.
7. PROVIDE DUPLEX RECEPTACLES AS SHOWN ON THIS DETAIL.

1 / E5.2 SURFACE METAL RACEWAY DETAIL
SCALE: NTS

7 / E5.2 EXTERIOR WALL MOUNTED DATA AND CONDUIT PENETRATION DETAIL
SCALE: NTS

ISOMETRIC VIEW

GENERAL NOTES:
1. ALL STRAIN RELIEF CONNECTORS SIZED TO MATCH CORD DIAMETER.
2. THE WORDS CABLE AND CORD ARE INTERCHANGEABLE.
3. COORDINATE LOCATION OF CORD REEL WITH OWNER'S FURNITURE LAYOUT.

SECTION VIEW

PLAN NOTES:(X)
1. CORD STRAIN RELIEF TO BE KELLEMS.
2. (2) KINDORF SUPPORTS AT 90 DEGREES APART FROM EACH TOP CORNER OF BOX TO STRUCTURE ABOVE. TYPICAL OF 4 CORNERS.
3. OPENING FOR TWISTLOCK RECEPTACLE MOUNTED FLUSH ON FLOOR SIDE OF BOX FOR POWER TO CORD REEL.
4. PREP, PRIME, AND PAINT WITH S-W HIGH PERFORMANCE ACRYLIC SEMI-GLOSS, B66-T654, SERIES, WHITE.
5. 16 GAUGE SHEET METAL (ALL EDGES FORMED OR SEAL WELDED).
6. SUPPORTS NOT SHOWN AT FRONT CORNER FOR CLARITY.

5 / E5.2 RECESSED CEILING CORD REEL RECEPTACLE DETAIL
SCALE: NTS

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ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

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CONSTRUCTION DOCUMENTS
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Project Number:
3705

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DETAILS

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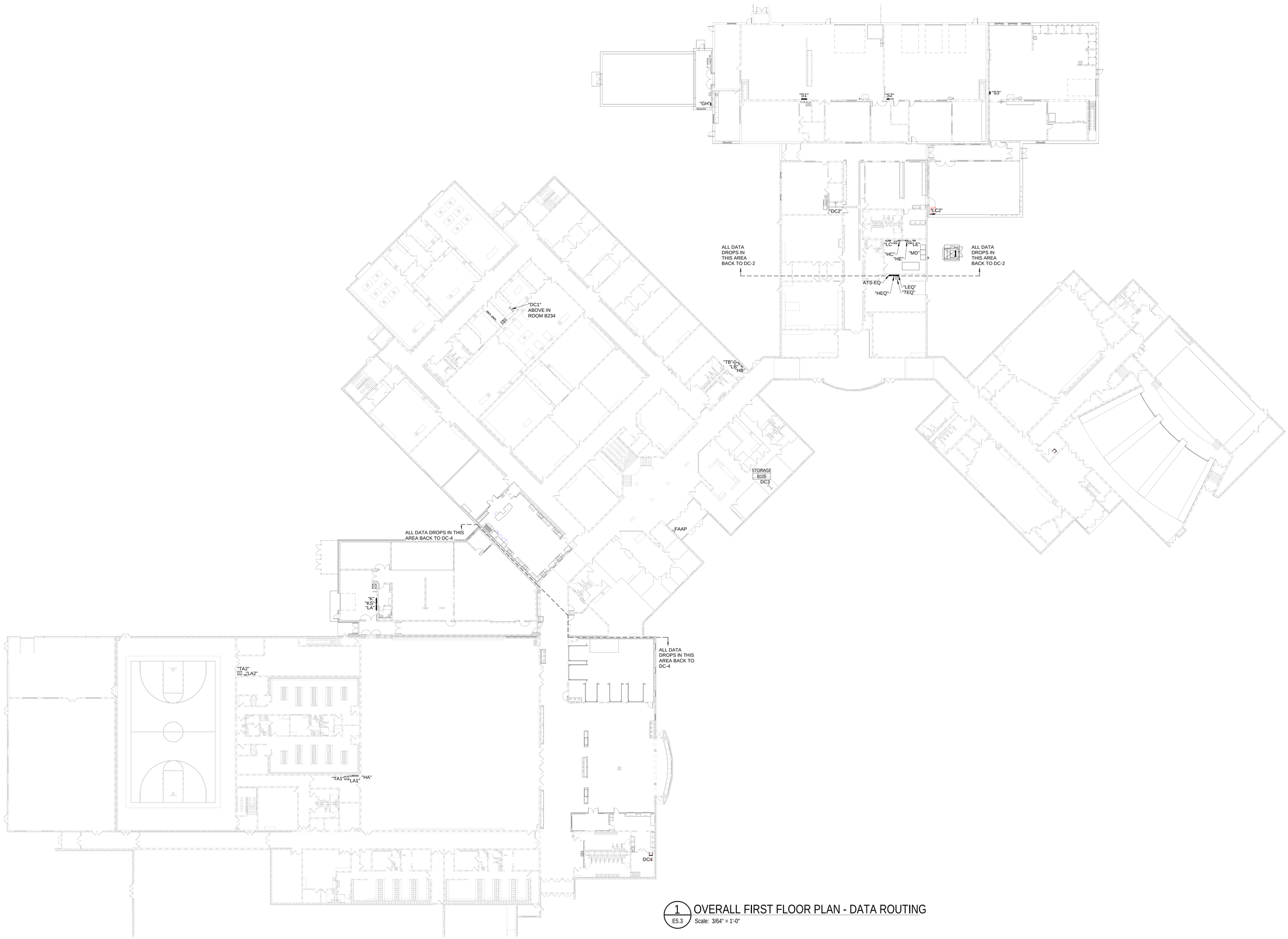

1 E5.3 OVERALL FIRST FLOOR PLAN - DATA ROUTING

Scale: 3/64" = 1'-0"

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12/19/2025

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3705

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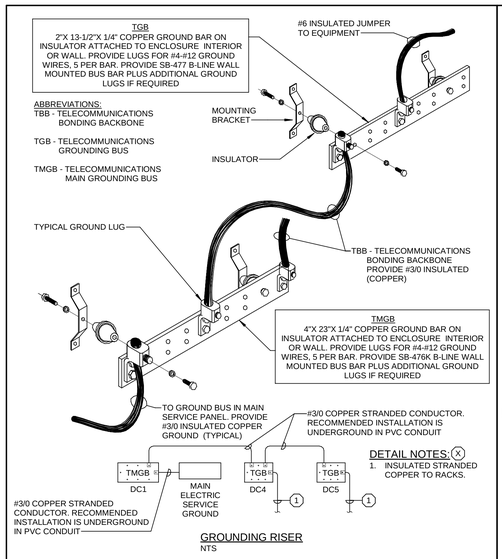
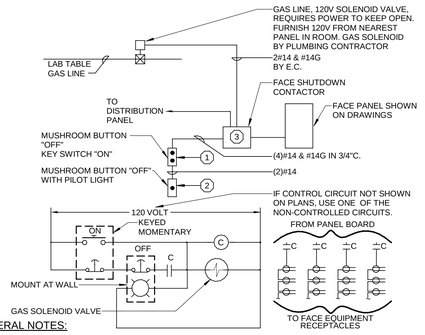


GROUNDING RISER
NTS

3 / E5.4 TELECOMMUNICATIONS SYSTEM GROUNDING DETAIL WITH DATA GROUNDING RISER
SCALE: NTS



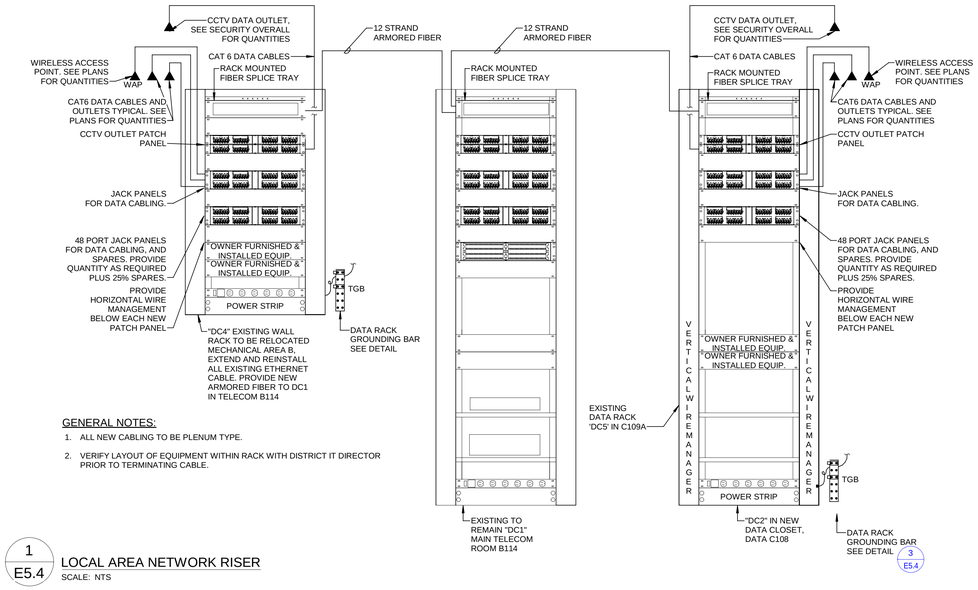
GENERAL NOTES:

1. PROVIDE LABEL "LAB TABLE ELECTRIC & GAS SHUT OFF"
2. LOCATED CONTACTOR ADJACENT TO OR ABOVE PANELBOARD IF NOT SPECIFICALLY SHOWN ON DRAWING. PROVIDE ENGRAVED LABEL ON CONTACTOR, INDICATING FUNCTION AND ROOM CONTROLLED.

KEY NOTES: (X)

1. PROVIDE SQUARE "D" TYPE 9001-KZC-297 STOP BUTTON SHALL HAVE MUSHROOM HEAD OPERATOR , FLUSH MOUNT. PROVIDE 10 KEYS PER SWITCH ALL SWITCHES ON JOB SHALL BE KEYED ALIKE. PROVIDE A 1"X 3" ENGRAVED LABEL ATTACHED TO EACH KEY WITH TYWRAP, ENGRAVED "LAB TABLE POWER CONTROL SWITCH". KEY SWITCH SHALL BE:
   (a) CENTER OFF - KEY REMOVABLE
   (b) TWO (2) POSITION SINGLE THROW, WITH SPRING RETURN TO CENTER.
2. PROVIDE SQUARE "D" TYPE 9001-MUSHROOM HEAD "OFF" PUSH-BUTTON, FLUSH MTD. AT 42" ABOVE FLOOR. MOUNT USING SQUARE "D" K25 PLATE. PROVIDE RED WITH WHITE LETTERS ENGRAVED LABEL "EMERGENCY POWER & GAS OFF". PROVIDE "LED" TYPE RED PILOT LIGHT IN CONJUNCTION WITH OFF SWITCH.
3. PROVIDE SQUARE "D" ELECTRICALLY HELD CONTACTOR WITH HOLDING CONTACT PROVIDE CONTACTS FOR ALL CONTROLLED CIRCUITS PLUS 2 SPARES, PROVIDE MULTIPLE CONTACTORS AS REQUIRED. PROVIDE 120V FROM NEAREST 120V PANEL.

2 / E5.4 FACE POWER & GAS SHUTDOWN DETAIL
SCALE: NTS



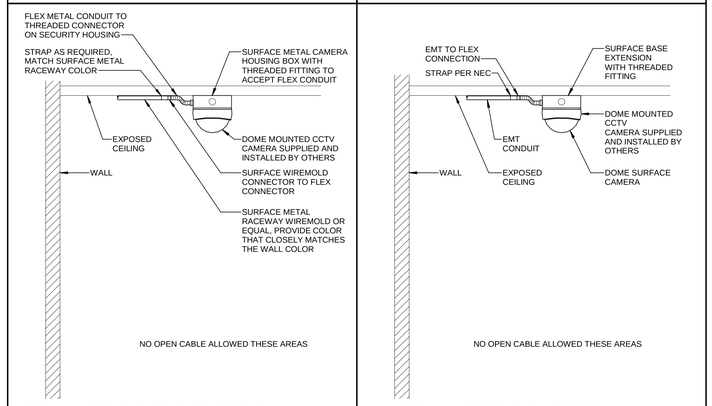
GENERAL NOTES:

1. ALL NEW CABLING TO BE PLENUM TYPE.
2. VERIFY LAYOUT OF EQUIPMENT WITHIN RACK WITH DISTRICT IT DIRECTOR PRIOR TO TERMINATING CABLE.

1 / E5.4 LOCAL AREA NETWORK RISER
SCALE: NTS

DETAIL ILLUSTRATING NEW DOME LAY-IN CEILING CAMERA
NTS

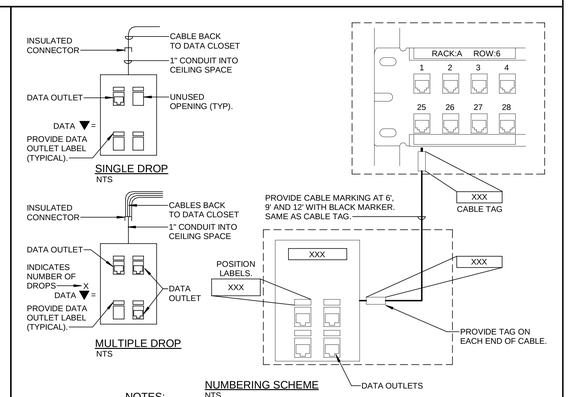
DETAIL ILLUSTRATING NEW FLUSH MOUNTED WALL CAMERA WITHOUT ARM
NTS



DETAIL ILLUSTRATING NEW SURFACE DOME CAMERA IN FINISHED AREAS WITH EXPOSED STRUCTURE
NTS

DETAIL ILLUSTRATING NEW SURFACE MOUNTED DOME CAMERA IN UNFINISHED AREAS
NTS

5 / E5.4 SECURITY CAMERA INSTALLATION DETAILS
SCALE: NTS



NOTES:

1. ALL BOXES TO BE 4" SQUARE DEEP WITH 1 OR 2-GANG RING.
2. PROVIDE DATA OUTLETS IN QUANTITY SHOWN ON DRAWINGS.
3. PROVIDE MINIMUM 4 UNIT PLATE. CLOSE ALL UNUSED OPENINGS.
4. PROVIDE OUTLET LABELING AS DIRECTED BY OWNER.
5. IF SHOWN NEXT TO ABOVE COUNTER RECEPTACLE, ASSUME DEVICE MOUNTED ABOVE COUNTER.
6. SEE FLOOR PLANS FOR OTHER DEVICES THAT MAY BE MOUNTED IN CONJUNCTION WITH DATA OUTLETS.

4 / E5.4 TYPICAL TELECOMMUNICATIONS OUTLET CONFIGURATIONS
SCALE: NTS

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Project Number:
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AUTOS LAB C121

NO.	EQUIPMENT	LOCATION	EQUIPMENT VOLT	Ø	HP	AMPS	KW	MAGNETIC STARTER REQUIRED	CONNECTION: NEW EQUIPMENT CORD Y/N	NEW EQUIPMENT CORD SO CORD SIZE	CORD DROP Y/N	CORD DROP SO CORD SIZE	HARD WIRED	NEMA MALE CORD PLUG STRAIGHT BLADE	NEMA MALE CORD PLUG TWIST LOCK	NEMA FEMALE CORD CONNECTOR STRAIGHT BLADE	NEMA FEMALE CORD CONNECTOR TWIST LOCK	NEMA RECEPTACLE STRAIGHT BLADE	NEMA RECEPTACLE TWIST LOCK	FUSED DISCONNECT POLE	FUSED DISCONNECT AMPS	FUSED DISCONNECT FUSE	RECEPTACLE MOUNTING HEIGHT	CIRCUITING PANEL	CIRCUIT BREAKER GFCI	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLE	WIRING NO.	WIRING SIZE	WIRING GND	WIRING CONDUIT	SEE NOTE
2T	TWO POST LIFT A	C121	208	1	2	12							Y							2	30	25		S2	-	25	2	2	#10	#10	1/2"	1
3T	TWO POST LIFT B	C121	208	1	2	12							Y							2	30	25		S2	-	25	2	2	#10	#10	1/2"	1
4T	BREAK LATHE B	C121	120	1		15	1.12									-	-	5-20 GFCI	-				44"	S2	-	20	1	2	#12	#12	1/2"	1
5T	BREAK LATHE A	C121	120	1		15	1.12									-	-	5-20 GFCI	-				44"	S2	-	20	1	2	#12	#12	1/2"	1
6T	SURFACE-MOUNT SCISSOR LIFT RACK	C121	208	1	4	26							Y							2	60	40		S2	-	60	2	2	#6	#10	3/4"	1
7T	TIRE ALIGNMENT	C121	120	1		15	1									-	-	5-20 GFCI					44"	S2	-	20	1	2	#12	#12	1/2"	1
8T	TIRE BALANCER	C121	208	1		10	2.1									-	-	-	L6-20R				44"	S2	-	20	2	2	#12	#12	1/2"	1
9T	TIRE BALANCER	C121	208	1		10	2.1									-	-	-	L6-20R				44"	S2	-	20	2	2	#12	#12	1/2"	1
10T	TIRE CHANGER B	C121	208	1		14	3.2									-	-	-	L6-20R				44"	S2	-	20	2	2	#12	#12	1/2"	1
11T	TIRE CHANGER B	C121	208	1		14	3.2									-	-	-	L6-20R				44"	S2	-	20	2	2	#12	#12	1/2"	1
12T	TWO POST LIFT C	C121	208	1	3	17							Y							2	30	30		S2	-	30	2	2	#10	#10	1/2"	1
13T	TWO POST LIFT C	C121	208	1	3	17							Y							2	30	30		S2	-	30	2	2	#10	#10	1/2"	1

GENERAL NOTES:
1. MAGNETIC STARTERS TO BE FURNISHED AND INSTALLED BY OWNER WHERE INDICATED. Y = YES EC TO PROVIDE, N = NO NOT REQUIRED.
2. EQUIPMENT CORDS TO BE FURNISHED AND INSTALLED BY E.C. WHERE INDICATED. Y = YES EC TO PROVIDE, N = NO NOT REQUIRED.
3. COORDINATE EXACT PLUG AND RECEPTACLE CONFIGURATION WITH EQUIPMENT.
4. COORDINATE EXACT VOLTAGE, PHASE, AND POWER REQUIREMENTS WITH ALL EQUIPMENT.

PLAN NOTES:
1. VERIFY EXACT EQUIPMENT CONNECTION REQUIREMENTS WITH OWNER'S NEW OR EXISTING EQUIPMENT.

METALS & MANUFACTURING LAB C120

NO.	EQUIPMENT	LOCATION	EQUIPMENT VOLT	Ø	HP	AMPS	KW	MAGNETIC STARTER REQUIRED	VFD REQUIRED	CONNECTION: NEW EQUIPMENT CORD Y/N	NEW EQUIPMENT CORD SO CORD SIZE	CORD DROP Y/N	CORD DROP SO CORD SIZE	HARD WIRED	NEMA MALE CORD PLUG STRAIGHT BLADE	NEMA MALE CORD PLUG TWIST LOCK	NEMA FEMALE CORD CONNECTOR STRAIGHT BLADE	NEMA FEMALE CORD CONNECTOR TWIST LOCK	NEMA RECEPTACLE STRAIGHT BLADE	NEMA RECEPTACLE TWIST LOCK	FUSED DISCONNECT POLE	FUSED DISCONNECT AMPS	FUSED DISCONNECT FUSE	RECEPTACLE MOUNTING HEIGHT	CIRCUITING PANEL	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLE	BRANCH CIRCUIT WIRING NO.	BRANCH CIRCUIT WIRING SIZE	BRANCH CIRCUIT WIRING GND	BRANCH CIRCUIT WIRING CONDUIT	WELDER RECEPTACLE WIRING NO.	WELDER RECEPTACLE WIRING SIZE	WELDER RECEPTACLE WIRING GND	WELDER RECEPTACLE WIRING CONDUIT	SEE NOTE
1M	CHOP SAW	C120	120	1		15		N				N							5-20 GFCI	-				44"	S3	20	1	2	#12	#12	1/2"						1
2M	CMC MILL (secondary rcpt 120V/8A)	C120	208	3		68		N				N	#2-5	Y							3	100	90		S3	100	3	3	#2	#8	1 1/4"						1,2,6
3Ma	CNC PLASMA CKT:A	C120	120	1		15		N				N							5-20 GFCI	-				44"	S3	20	1	2	#12	#12	1/2"						1,2,8
3Mb	CNC PLASMA CKT:B	C120	120	1		15		N				N							5-20 GFCI	-					S3	20	1	2	#12	#12	1/2"						1,2
4M	COLD CUT SAW	C120	120	1		15		N				N							5-20 GFCI	-					S3	20	1	2	#12	#12	1/2"						1,2
5M	DRILL PRESS (METALS) C	C120	120	1		15		N				N							5-20 GFCI	-					S3	20	1	2	#12	#12	1/2"						1
6M	DRILL PRESS (METALS) C	C120	120	1		15		N				N							5-20 GFCI	-					S3	20	1	2	#12	#12	1/2"						1
7M	HYDROLIC SHEAR	C120	208	3	.5	15		N				N		Y							**3**	**30**	**30**		S3	35	3	3	#8	#10	1/2"						1
8M	KNEE MILL (secondary rcpt 120V/8A)	C120	208	3	3	8.5		N				N		Y							3	30	20		S3	20	3	3	#12	#12	1/2"						1,6
9M	KNEE MILL (secondary rcpt 120V/8A)	C120	208	3	3	8.5		N				N		Y							3	30	20		S3	20	3	3	#12	#12	1/2"						1,6
10M	KNEE MILL (secondary rcpt 120V/8A)	C120	208	3	3	8.5		N				N		Y							3	30	20		S3	20	3	3	#12	#12	1/2"						1,6
11M	LATHE	C120	208	3		35		N				N		Y							3	60	50		S3	50	3	3	#8	#10	3/4"						1
12M	LATHE	C120	208	3		35		N				Y	#8-4	Y							3	60	50		S3	50	3	3	#8	#10	3/4"						1
13M	LATHE	C120	208	3		35		N				Y	#8-4	Y							3	60	50		S3	50	3	3	#8	#10	3/4"						1
14M	LATHE A	C120	208	3		35		N				N		Y							3	60	50		S3	50	3	3	#8	#10	3/4"						1
15M	LATHE B	C120	208	1		10		N				Y	#8-4						6-15R						S3	20	1	2	#12	#12	1/2"						1
16M	PEDISTAL GRINDER	C120	120	1	1/2	10		N				N							5-20 GFCI					44"	S3	20	1	2	#12	#12	1/2"						1
17M	SPOT WELDER	C120	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
18M	SPRAY BOOTH B	C120	208	1	3/4	6.9		N				N													S3	20	1	2	#12	#12	1/2"						1
19M	WELDER A	C120	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
20M	WELDER B	C121	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
21M	WELDER B	C122	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
22M	WELDER B	C123	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
23M	WELDER B	C124	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
24M	WELDER B	C125	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
25M	WELDER B	C126	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
26M	WELDER B	C127	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
27M	WELDER B	C128	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
28M	WELDER B	C129	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
29M	WELDER B	C130	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
30M	WELDER B	C131	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
31M	WELDER B	C120	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
32M	WELDER C	C120	208	1		27.2	4.8	N				N							6-50R					44"	S3	50	2	2	#6	#10	3/4"	2	#8	#10	3/4"	1
33M	CNC MILL C (FUTURE)	C120	120	1		0		N				Y	#12-3						5-20 GFCI	-				44"	S3	20	1	2	#12	#12	1/2"						1
34Ma	CNC LATHE (FUTURE)	C120	208	3	7.5	0		N				N		Y							3	60	50		S3	60	3	2	#6	#10	3/4"						1
34Mb	CNC LATHE (FUTURE)	C120	120	1		0		N				N													S3	20	1	2	#12	#12	1/2"						1,2

GENERAL NOTES:
1. MAGNETIC STARTERS TO BE FURNISHED AND INSTALLED BY EC WHERE INDICATED (UNLESS NOTED OTHERWISE). Y = YES EC TO PROVIDE, N = NO NOT REQUIRED.
2. EQUIPMENT CORDS TO BE FURNISHED AND INSTALLED BY E.C. WHERE INDICATED. Y = YES EC TO PROVIDE. N = NO NOT REQUIRED.
3. COORDINATE EXACT PLUG AND RECEPTACLE CONFIGURATION WITH EQUIPMENT.
4. COORDINATE EXACT VOLTAGE, PHASE AND POWER REQUIREMENTS WITH ALL EQUIPMENT.
5. FUSES TO BE DUAL ELEMENT TIME DELAY.

PLAN NOTES:
1. VERIFY EXACT EQUIPMENT CONNECTION REQUIREMENTS WITH OWNER'S NEW OR EXISTING EQUIPMENT.
2. PROVIDE GROUND ROD DRIVEN AT TABLE. BOND GROUND ROD TO TABLE WITH GREEN #4 COPPER WIRE.
3. PROVIDE CONDUIT DROP FROM CEILING.
4. MOUNT RECEPTACLE TO COLUMN.
5. OWNER TO PROVIDE AND INSTALL NEW CORD ON MACHINE.
6. PROVIDE SECONDARY POWER SOURCE, NEMA 5-20R GFCI WITH DEDICATED CIRCUIT TO SAME PANEL.
7. PROVIDE CORD PER DETAIL 2/E205
8. WIRE FOR FUTURE FIBER LASER. PROVIDE SPACE UNDER BREAKER FOR FUTURE 20A/2 BREAKER FOR FIBER LASER

WOODS LAB C131

NO.	EQUIPMENT	LOCATION	EQUIPMENT VOLT	Ø	HP	AMPS	KW	MAGNETIC STARTER REQUIRED	CONNECTION: NEW EQUIPMENT CORD Y/N	NEW EQUIPMENT CORD SO CORD SIZE	CORD DROP Y/N	CORD DROP SO CORD SIZE	HARD WIRED	NEMA MALE CORD PLUG STRAIGHT BLADE	NEMA MALE CORD PLUG TWIST LOCK	NEMA FEMALE CORD CONNECTOR STRAIGHT BLADE	NEMA FEMALE CORD CONNECTOR TWIST LOCK	NEMA RECEPTACLE STRAIGHT BLADE	NEMA RECEPTACLE TWIST LOCK	FUSED DISCONNECT POLE	FUSED DISCONNECT AMPS	FUSED DISCONNECT FUSE	RECEPTACLE MOUNTING HEIGHT	CIRCUITING PANEL	CIRCUIT BREAKER GFCI	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLE	WIRING NO.	WIRING SIZE	WIRING GND	WIRING CONDUIT	SEE NOTE
1W	BAND SAW A	C131	120	1	1	9										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	1
2W	BAND SAW B	C131	120	1	1	9										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	1
3W	BAND SAW C	C131	120	1	1.5	14										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
4W	BOFA EXAUST	C131	120	1		19.5							Y			-	-		-				44"	S1		30	1	2	#10	#10	1/2"	
5W	CNC (EXISTING)	C131	230	1		10										-	-	6-20	-				44"	S1		20	2	2	#12	#12	1/2"	
6W	CNC (new)	C131	230	1		10										-	-	6-20	-				44"	S1		20	2	2	#12	#12	1/2"	
7W	DISC/DISC SANDER	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
8W	DRILL PRESS (WOODS) B	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
9W	DRILL PRESS (WOODS) B	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	1,2
10W	EDGE SANDER	C131	120	1		(24)										-	-	-	L5-30				44"	S1		30	1	2	#8	#10	3/4"	1
11W	JOINTER	C131	208	3		20					Y	12-4	Y							3	30	20		S1		20	3	3	#12	#12	3/4"	1
12W	LASER ENGRAVER	C131	120	1		10										-	-	5-20 GFCI	-				44"	S1		20	3	3	#12	#12	1/2"	1
13W	MITER SAW PORTABLE	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	1,3,8
14W	MITER SAW SLIDING	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	1,3,8
15W	MITER SAW STATIONARY	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
16W	PANEL SAW	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
17W	POCKET HOLE	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
18W	ROUTER TABLE A	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
19W	ROUTER TABLE A	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
20W	ROUTER TABLE B	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
21W	ROUTER TABLE B	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
22W	SANDER	C131	230	1	7.5	(49)							Y							2	100	60		S1		80	2	2	#4	#8	1"	
23W	SPINDLE SANDER	C131	120	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
24W	SPRAY BOOTH	C131	208	1	3	17							Y											S1		20	3	3	#12	#12	3/4"	
25W	TABLE SAW A	C131	208	1	2	13					Y	12-4												S1		20	1	2	#12	#12	1/2"	
26W	TABLE SAW A	C131	208	1	2	13					Y	12-4												S1		20	1	2	#12	#12	1/2"	
27W	TABLE SAW B	C131	120	1		13					Y	12-4				-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
28W	TABLE SAW B	C131	120	1		13					Y	12-4				-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	
29W	WOOD LATHE	C131	208	1		4										-	-	6-20	-				44"	S1		35	2	2	#8	#10	1/2"	
30W	WOOD PLANER	C131	208	1	5	28							Y											S1		60	2	2	#6	#10	3/4"	1
31W	WOOD PLANER (SMALL)	C131	110	1		15										-	-	5-20 GFCI	-				44"	S1		20	1	2	#12	#12	1/2"	1,5

GENERAL NOTES:
1. MAGNETIC STARTERS TO BE FURNISHED AND INSTALLED BY EC WHERE INDICATED (UNLESS NOTED OTHERWISE). Y = YES EC TO PROVIDE, N = NO NOT REQUIRED.
2. EQUIPMENT CORDS TO BE FURNISHED AND INSTALLED BY E.C. WHERE INDICATED. Y = YES EC TO PROVIDE, N = NO NOT REQUIRED.
3. COORDINATE EXACT PLUG AND RECEPTACLE CONFIGURATION WITH EQUIPMENT.
4. COORDINATE EXACT VOLTAGE, PHASE, AND POWER REQUIREMENTS WITH ALL EQUIPMENT.
5. FUSES TO BE DUAL ELEMENT TIME DELAY.

PLAN NOTES:
1. VERIFY EXACT EQUIPMENT CONNECTION REQUIREMENTS WITH OWNER'S NEW OR EXISTING EQUIPMENT.
2. JDS SENSING SAF-START MODEL 1996 PROVIDED BY THE OWNER.
3. PROVIDE NEMA L5-15 MALE CORD END ON OWNER PROVIDED 15 AMP JDS SENSING SAF-START UNIT.
4. EQUIPMENT CONNECTION REQUIREMENTS ARE UNKNOWN. COORDIANTE WITH OWNER.
5. MOUNT RECEPTACLE TO COLUMN.
6. PROVIDE NEMA L5-20 MALE CORD END ON OWNER PROVIDED 20 AMP JDS SENSING SAF-START UNIT.
7. PROVIDE DISCONECT SWITCH MOUNTED TO EQUIPMENT WITH CONDUIT DROP FROM CEILING.
8. PROVIDE CORD PER DETAIL 2/E205
9. PROVIDE LONGER EQUIPENT CORD ON MACHINE. VERIFY EXACT LENGTH WITH OWNER.
10. CONENCT NEW CIRCUIT TO EXISTING DISCONENCT SWITCH MOUNTED ON EQUIPMENT.

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Project Title:
ADDITION AND RENOVATIONS
WHITEWATER HIGH SCHOOL
WHITEWATER UNIFIED SCHOOL DISTRICT
534 S. ELIZABETH
WHITEWATER, WI 53190

ISSUANCES + REVISIONS:

	DATE	DESCRIPTION

Issued for:
CONSTRUCTION DOCUMENTS
12/19/2025

Project Number:
3705

Sheet Title:
SHOP ELECTRICAL EQUIPMENT SCHEDULES

Sheet Number:
E6.0

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WHITEWATER HIGH SCHOOL - FIXTURE SCHEDULE

TYPE	DESCRIPTION	LUMENS DEL.	LAMP TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	NOTE
A2	RECESSED 2X4 LAY-IN FLAT PANEL LUMINAIRE	4000	4000K LED	45	LITHONIA	EPANL-2X4-4000LM-80CRI-40K-MIN10-ZT-MVOLT	
					DAY-BRITE	2FPZ-48L-840-4-DS-UNV-DIM	
A3	RECESSED 2X4 LAY-IN FLAT PANEL LUMINAIRE	4800	4000K LED	45	LITHONIA	EPANL-2X4-4800LM-80CRI-40K-MIN10-ZT-MVOLT	
					DAY-BRITE	2FPZ-48L-840-4-DS-UNV-DIM	
A4	RECESSED 2X4 LAY-IN FLAT PANEL LUMINAIRE	5400	4000K LED	49	LITHONIA	EPANL-2X4-5400LM-80CRI-40K-MIN10-ZT-MVOLT	
					DAY-BRITE	2FPZ-54L-840-4-DS-UNV-DIM	
A5	RECESSED 2X4 LAY-IN FLAT PANEL LUMINAIRE	6000	4000K LED	55	LITHONIA	EPANL-2X4-6000LM-80CRI-40K-MIN10-ZT-MVOLT	
					DAY-BRITE	2FPZ-60L-840-4-DS-UNV-DIM	
D4	4' INDUSTRIAL LED STRIP FIXTURE - 5000 LUMENS	5000	4000K LED	32	LITHONIA	CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	
					DAY-BRITE	FSS455L840-UNV-DIM	
H1	WALLPACK - SET LOW	2800	4000K LED	20	LUMARK	AWPF28S	
					-	NO EQUAL, TO MATCH EXISTING	
H2	WALLPACK - SET HIGH	4000	4000K LED	28	LUMARK	AWPF28S	
					-	NO EQUAL, TO MATCH EXISTING	
K1	4" RECESSED DOWNLIGHT - 1000 LUMENS - MEDIUM	1000	4000K LED	8.8	GOTHAM	EVO4-40/10-AR-LD-MVOLT-GZ10	
					DMF	M4NCSN MD10940FLO M4TSDWH	
K2	6" CYLINDER DOWNLIGHT - 3500 LUMENS - MEDIUM (PHASE DIM)	2000	4000K LED	8.8	GOTHAM	EVO6CC-40/35-BR-LSS-MD-MVOLT-ELV-JBX-CCAN-C180-DBLB	
					ALW	CRP6-35904055NN-NP01-TB-BK	
L4	4"X8' LINEAR RECESSED - 800 LMF	3200	4000K LED	26	AXIS	BBRLED-800-80CRI-40-FL-4-W-UNV-DP-1-TG9	
					CORELITE	CL4DR	
L8A	4"X8' LINEAR RECESSED - 400 LMF	3200	4000K LED	26	AXIS	BBRLED-400-80CRI-40-FL-8-W-UNV-DP-1-TG9	
					CORELITE	CL4DR	
L8B	4"X8' LINEAR RECESSED - 600 LMF	4800	4000K LED	38	AXIS	BBRLED-600-80CRI-40-FL-8-W-UNV-DP-1-TG9	
					CORELITE	CL4DR	
L8C	4"X8' LINEAR RECESSED - 800 LMF	6400	4000K LED	51	AXIS	BBRLED-800-80CRI-40-FL-8-W-UNV-DP-1-TG9	
					CORELITE	CL4DR	
L8W	4"X8' LINEAR RECESSED - WALLWASH W/FLANGE	3200	4000K LED	36	AXIS	BBRLED-400-80CRI-40-WW-8-W-UNV-DP-1-DF	
					CORELITE	CL4DR	
J1	INTERIOR HIGH-BAY LUMINAIRE - IK10	12,000	4000K LED	76	LITHONIA	REBL-ALO13-MD-UVOLT-SWW3-80CRI-CPTL-DWH-REBLSMB	
					METALUX	UHBS2-1218-MV-L8C5-U	
UC	UNDERCABINET LIGHTING	1,100	4000K LED	15.2	LITHONIA	UPLD-30IN-SWW4-90CRI-WH	
					METALUX	UC SERIES	
V1	4' INDUSTRIAL SEALED LED STRIP FIXTURE	4,000	4000K LED	34	LITHONIA	CSVT-L48-4000LM-MVOLT-40K-80CRI-STSL-WL-CSVTRMBK	
					METALUX	4APVTLD-SL3C3	
V2	8' INDUSTRIAL SEALED LED STRIP FIXTURE	8,000	4000K LED	68	LITHONIA	CSVT-L96-8000LM-MVOLT-40K-80CRI-STSL-WL-CSVTRMBK	
					METALUX	8APVTLD-SL3C3	
Y1	POLE MOUNTED AREA LIGHT	13,000	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T2M	
					MCGRAW-EDISON	GALN-SA2A-740-U-T2-BZ	
Y2	POLE MOUNTED AREA LIGHT	13,200	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T3M	
					MCGRAW-EDISON	GALN-SA3A-740-U-T3-BZ	
Y3	POLE MOUNTED AREA LIGHT	13,400	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T4M	
					MCGRAW-EDISON	GALN-SA3A-740-U-T4-BZ	
Y4	POLE MOUNTED AREA LIGHT	13,400	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI TFTM	
					MCGRAW-EDISON	GALN-SA3A-740-U-T4FT-BZ	
Y5	POLE MOUNTED AREA LIGHT	13,800	4000K LED	104	LITHONIA	DSX1 LED P3 40K 70CRI T5LG	
					MCGRAW-EDISON	GALN-SA3A-740-U-T5LG-BZ	
YF	FLAG POLE FLOOD LIGHT	3400	4000K LED	44	LITHONIA	SAF7 LED P2 80CRI 40K MVOLT 30DEG KM	
					MCGRAW-EDISON	GALN-SA3A-740-U-T5LG-BZ	
LP1	22' SQUARE STRAIGHT POLE W/BASE	-	-	-	UTILITY METALS	SSS4-11-22-5G-DM19AS-VD-DBLXD	2
					ULSI	RPSQ-22-4-11-AB-D1-NB	
	UNIVERSAL SINGLE/DOUBLE FACE EXIT RED LETTERS	-	LED	2	LITHONIA	LQM-S-W-3-R-120/277	1
					SURELITES	LPX6	

GENERAL NOTES:
1. SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS.
2. ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 80+. ALL EXTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 70+.
3. MOUNT FIXTURES AT HEIGHT INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
4. ARCHITECT TO SELECT AND APPROVE ALL FINISHES FOR LIGHT FIXTURES, AND FIXTURE ACCESSORIES.
5. PROVIDE GYP. FLANGE WHERE FIXTURES ARE NOT LOCATED IN ACT TILE CEILINGS.

PLAN NOTES:
1. PROVIDE DIRECTION ARROWS AND MOUNTING METHODS AS INDICATED ON PLANS. PROVIDE WIREGUARD IN GYMS OR WHERE NOTED ON PLANS.
2. PROVIDE VIBRATION DAMPENER. PROVIDE CONCRETE POLE BASE PER DETAIL 1/E302.

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12/19/2025

Project Number:
3705

Sheet Title:
LIGHTING FIXTURE SCHEDULE

Sheet Number:
E6.1

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Outlook

School district landscape plans

From Andrew Beckman <abeckman@whitewater-wi.gov>
Date Wed 2/4/2026 1:36 PM
To Llana Dostie <ldostie@whitewater-wi.gov>
Cc Kevin Boehm <kboehm@whitewater-wi.gov>

Good Afternoon, from the Urban Forestry meeting Monday night the following recommendations are ;
High School;
Southwest side of building group of 3 Black hills Spruce
Change to include 1 Native White Spruce
1 Native Red Cedar
1 Black Hills Spruce

North West Corner group of 3 Espresso Coffee Tree
Change to include 1 White Oak
1 State St Maple
1 Espresso Coffee Tree

Center turn Around Group of 4 St Street Maple
Change to include 1 Columnar Oak(Crimson spire, Regal Prince)
1 Espresso Coffee Tree
2 St. Street Maple

Middle School;
Buffer area entrance onto W. Highland Group of 5 Colorado Spruce
Change to include 2 White Spruce
1 Red Cedar
2 Colorado Spruce

3 Northwood Maple
Change to include 1 Espresso Coffee Tree
1 Columnar Oak (Crimson Spire or Regal Prince)
1 Northwood Maple

Add Buffer area to Northwest Corner of property of S. Elizabeth St, Similar tree selection will work there.

PARC Agenda Item

Meeting Date:	February 9, 2025
Agenda Item:	Offer to Purchase Lot 5B in Whitewater Business Park
Staff Contact (name, email, phone):	Mason Becker, mbecker@whitewater-wi.gov, 262.443.4458

BACKGROUND
(Enter the who, what when, where, why)

Kristen Parks from Anderson Commercial Group submitted a term sheet on November 14, 2025 for an offer to purchase Lot 5B in the Business Park (PIN # 292-0515-3434-002). This would be for an existing business planning to relocate from another community.

This parcel is located at current end of Endeavor Dr and is a good location for this type of business as the parcel is currently undeveloped, as are the sites to the east, west, and north. City staff have no concerns with this proposal meeting the requirements in the current M-1 zoning district, other than outdoor storage of aggregate. Staff will recommend to the city's Plan and Architectural Review Commission to include screening and location requirements as part of the applicant's future Conditional Use Permit.

Following the November 2025 CDA meeting, city staff were made aware that wetlands had previously been identified on the property during a 2016 wetland delineation conducted by the Southeast Wisconsin Regional Planning Commission (SEWRPC). The Community Development Department, following discussion with the Wisconsin DNR, is working with Strand to seek an artificial wetland exemption to allow construction on the property. An updated wetland delineation by SEWRPC is also planned for this spring.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS
(Dates, committees, action taken)

- The CDA approved the original Letter of Intent at its November 20, 2025 regular board meeting, with the condition the buyer commence construction of the building on the property within three years and complete construction within four years.

FINANCIAL IMPACT
(If none, state N/A)

The buyer is making a full price cash offer in the amount of $169,360. The development of this property will also bring this currently tax-exempt parcel back, located in TID #10, back onto the city's tax rolls. Bringing an additional business into the city's Business Park is a positive contribution to the local economy.

STAFF RECOMMENDATION

Staff recommends that the PARC advance the Offer to Purchase and Addendum A with a positive recommendation to the Common Council.

ATTACHMENT(S) INCLUDED
(If none, state N/A)

- Offer to Purchase and Addendum A from Anderson Commercial Group
- GIS screenshot of the current property

WB-13 VACANT LAND OFFER TO PURCHASE

LICENSEE DRAFTING THIS OFFER ON January 26, 2026 **[DATE] IS ~~(AGENT OF BUYER)~~ (AGENT OF SELLER/LISTING FIRM) ~~(AGENT OF BUYER AND SELLER)~~** STRIKE THOSE NOT APPLICABLE

The Buyer, Jason Burke and/or assigns

offers to purchase the Property known as Tax Key# 292-0515-3424-002 (Lot 5B)

[e.g., Street Address, Parcel Number(s), legal description, or insert additional description, if any, at lines 655-660, or attach as an addendum per line 682] in the City of Whitewater, County of Jefferson Wisconsin, on the following terms:

PURCHASE PRICE The purchase price is One Hundred Sixty-Nine Thousand, Three Hundred Sixty Dollars ($ 169,360.00).

INCLUDED IN PURCHASE PRICE Included in purchase price is the Property, all Fixtures on the Property as of the date stated on line 1 of this Offer (unless excluded at lines 17-18), and the following additional items:

NOTE: The terms of this Offer, not the listing contract or marketing materials, determine what items are included or not included. Annual crops are not part of the purchase price unless otherwise agreed.

NOT INCLUDED IN PURCHASE PRICE Not included in purchase price is Seller's personal property (unless included at lines 12-13) and the following: Seller's/Tenant's personal possessions

CAUTION: Identify Fixtures that are on the Property (see lines 21-25) to be excluded by Seller or that are rented and will continue to be owned by the lessor.

"Fixture" is defined as an item of property which is physically attached to or so closely associated with land so as to be treated as part of the real estate, including, without limitation, physically attached items not easily removable without damage to the premises, items specifically adapted to the premises and items customarily treated as fixtures, including, but not limited to, all: perennial crops, garden bulbs; plants; shrubs and trees; fences; storage buildings on permanent foundations and docks/piers on permanent foundations.

CAUTION: Exclude any Fixtures to be retained by Seller or that are rented on lines 17-18 or at lines 655-660 or in an addendum per line 682.

BINDING ACCEPTANCE This Offer is binding upon both Parties only if a copy of the accepted Offer is delivered to Buyer on or before February 17, 2026 .

Seller may keep the Property on the market and accept secondary offers after binding acceptance of this Offer.

CAUTION: This Offer may be withdrawn prior to delivery of the accepted Offer.

ACCEPTANCE Acceptance occurs when all Buyers and Sellers have signed one copy of the Offer, or separate but identical copies of the Offer.

CAUTION: Deadlines in the Offer are commonly calculated from acceptance. Consider whether short term Deadlines running from acceptance provide adequate time for both binding acceptance and performance.

CLOSING This transaction is to be closed on see attached Addendum A

at the place selected by Seller, unless otherwise agreed by the Parties in writing. If the date for closing falls on a Saturday, Sunday, or a federal or a state holiday, the closing date shall be the next Business Day.

CAUTION: To reduce the risk of wire transfer fraud, any wiring instructions received should be independently verified by phone or in person with the title company, financial institution, or entity directing the transfer. The real estate licensees in this transaction are not responsible for the transmission or forwarding of any wiring or money transfer instructions.

EARNEST MONEY

■ EARNEST MONEY of $ _____ accompanies this Offer.
If Offer was drafted by a licensee, receipt of the earnest money accompanying this Offer is acknowledged.
■ EARNEST MONEY of $ 2,000.00 will be mailed, or commercially, electronically or personally delivered within 7 days ("5" if left blank) after acceptance.
All earnest money shall be delivered to and held by ~~(listing Firm) (drafting Firm) (other identified~~ as _____ title company) STRIKE THOSE NOT APPLICABLE
(listing Firm if none chosen; if no listing Firm, then drafting Firm; if no Firm then Seller).

CAUTION: If a Firm does not hold earnest money, an escrow agreement should be drafted by the Parties or an attorney as lines 56-76 do not apply. If someone other than Buyer pays earnest money, consider a special disbursement agreement.

■ THE BALANCE OF PURCHASE PRICE will be paid in cash or equivalent at closing unless otherwise agreed in writing.

■ DISBURSEMENT IF EARNEST MONEY HELD BY A FIRM: If negotiations do not result in an accepted offer and the earnest money is held by a Firm, the earnest money shall be promptly disbursed (after clearance from payer's depository institution if earnest money is paid by check) to the person(s) who paid the earnest money. At closing, earnest money shall be disbursed according to the closing statement. If this Offer does not close, the earnest money shall be disbursed according to a written disbursement agreement signed by all Parties to this Offer. If said disbursement agreement has not been delivered to the Firm holding the earnest money within 60 days after the date set for closing, that Firm may disburse the earnest money: (1) as directed by an attorney who has reviewed the transaction and does not represent Buyer or Seller; (2) into a court hearing a lawsuit involving the earnest money and all Parties to this Offer; (3) as directed by court order; (4) upon authorization granted within this Offer; or (5) any other disbursement required or allowed by law. The Firm may retain legal services to direct disbursement per (1) or to file an interpleader action per (2) and the Firm may deduct from the earnest money any costs and reasonable attorneys' fees, not to exceed $250, prior to disbursement.

■ LEGAL RIGHTS/ACTION: The Firm's disbursement of earnest money does not determine the legal rights of the Parties in relation to this Offer. Buyer's or Seller's legal right to earnest money cannot be determined by the Firm holding the earnest money. At least 30 days prior to disbursement per (1), (4) or (5) above, where the Firm has knowledge that either Party disagrees with the disbursement, the Firm shall send Buyer and Seller written notice of the intent to disburse by certified mail. If Buyer or Seller disagrees with the Firm's proposed disbursement, a lawsuit may be filed to obtain a court order regarding disbursement. Small Claims Court has jurisdiction over all earnest money disputes arising out of the sale of residential property with one-to-four dwelling units. Buyer and Seller should consider consulting attorneys regarding their legal rights under this Offer in case of a dispute. Both Parties agree to hold the Firm harmless from any liability for good faith disbursement of earnest money in accordance with this Offer or applicable Department of Safety and Professional Services regulations concerning earnest money. See Wis. Admin. Code Ch. REEB 18.

TIME IS OF THE ESSENCE "Time is of the Essence" as to: (1) earnest money payment(s); (2) binding acceptance; (3) occupancy; (4) date of closing; (5) contingency Deadlines STRIKE AS APPLICABLE and all other dates and Deadlines in this Offer except:_____
_____. If "Time is of the Essence" applies to a date or Deadline, failure to perform by the exact date or Deadline is a breach of contract. If "Time is of the Essence" does not apply to a date or Deadline, then performance within a reasonable time of the date or Deadline is allowed before a breach occurs.

VACANT LAND DISCLOSURE REPORT Wisconsin law requires owners of real property that does not include any buildings to provide Buyers with a Vacant Land Disclosure Report. Excluded from this requirement are sales exempt from the real estate transfer fee and sales by certain court-appointed fiduciaries, for example, personal representatives, who have never occupied the Property. The form of the Report is found in Wis. Stat. § 709.033. The law provides: "§ 709.02 Disclosure . . . the owner of the property shall furnish, not later than 10 days after acceptance of a contract of sale . . ., to the prospective buyer of the property a completed copy of the report . . . A prospective buyer who does not receive a report within the 10 days may, within 2 business days after the end of that 10-day period, rescind the contract of sale . . . by delivering a written notice of rescission to the owner or the owner's agent." Buyer may also have certain rescission rights if a Vacant Land Disclosure Report disclosing defects is furnished before expiration of the 10 days, but after the Offer is submitted to Seller. Buyer should review the report form or consult with an attorney for additional information regarding rescission rights.

PROPERTY CONDITION REPRESENTATIONS Seller represents to Buyer that as of the date of acceptance Seller has no notice or knowledge of Conditions Affecting the Property or Transaction (lines 101-181) other than those identified in Seller's Vacant Land Disclosure Report ~~dated~~ _____, ~~which was received by Buyer prior to Buyer signing this Offer and that is made a part of this Offer by reference~~ ~~COMPLETE DATE OR STRIKE AS APPLICABLE~~ ~~and~~ _____
_____
_____ INSERT CONDITIONS NOT ALREADY INCLUDED IN THE DISCLOSURE REPORT

"Conditions Affecting the Property or Transaction" are defined to include:

a. Flooding, standing water, drainage problems, or other water problems on or affecting the Property.

b. Impact fees or another condition or occurrence that would significantly increase development costs or reduce the value of the property to a reasonable person with knowledge of the nature and scope of the condition or occurrence.

c. Brownfields (abandoned, idled, or underused land that may be subject to environmental contamination) or other contaminated land on the property, or that contaminated soils on the property have been cleaned up under the Petroleum Environmental Cleanup Fund Act (PECFA), a Wisconsin Department of Natural Resources (DNR) remedial or cleanup program, the DATCP Agricultural Chemical Cleanup Program, or other similar program.

d. Subsoil conditions that would significantly increase the cost of development, including, but not limited to, subsurface foundations or waste material; any type of fill; dumpsites where pesticides, herbicides, fertilizer, or other toxic or hazardous materials or containers for these materials were disposed of in violation of manufacturer or government guidelines or other laws regulating such disposal; high groundwater; adverse soil conditions, such as low load-bearing capacity, earth or soil movement, settling, upheavals, or slides; excessive rocks or rock formations; or other soil problems.

e. Material violation of an environmental rule or other rule or agreement regulating the use of the Property.

f. Defects caused by unsafe concentrations of, or unsafe conditions relating to, radon, radium in water supplies, lead in

soil, or other potentially hazardous or toxic substances on the Property; manufacture of methamphetamine or other hazardous or toxic substances on the Property; or high voltage electric (100 KV or greater) or steel natural gas transmission lines located on but not directly serving the Property.

g. Defects caused by unsafe concentrations of, unsafe conditions relating to, or the storage of, hazardous or toxic substances on neighboring properties.

h. The Property is served by a joint well; Defects related to a joint well serving the Property; or Defects in a well on the Property or in a well that serves the Property, including unsafe well water due to contaminants such as coliform, nitrates, or atrazine, or any out-of-service wells or cisterns that are required to be abandoned (see § NR 812.26, Wis. Adm. Code) but that are not closed or abandoned according to applicable regulations.

i. Defects in any septic system or other private sanitary disposal system on the Property; or any out-of-service septic system serving the Property not closed or abandoned according to applicable regulations.

j. Underground or aboveground fuel storage tanks presently or previously on the Property for storage of flammable or combustible liquids including, but not limited to, gasoline or heating oil; or Defects in the underground or aboveground fuel storage tanks on or previously located on the Property. Defects in underground or aboveground fuel storage tanks may include items such as abandoned tanks not closed in conformance with applicable local, state, and federal law; leaking; corrosion; or failure to meet operating standards. (The owner, by law, may have to register the tanks with the Department of Agriculture, Trade and Consumer Protection at P.O. Box 8911, Madison, Wisconsin, 53708, whether the tanks are in use or not. Department regulations may require closure or removal of unused tanks.)

k. Existing or abandoned manure storage facilities located on the property.

l. Notice of property tax increases, other than normal annual increases, or pending Property tax reassessment; remodeling that may increase the Property's assessed value; pending special assessments; or Property is within a special purpose district, such as a drainage district, that has authority to impose assessments on the Property.

m. Proposed, planned, or commenced public improvements or public construction projects that may result in special assessments or that may otherwise materially affect the Property or the present use of the Property; or any land division involving the Property without required state or local permits.

n. The Property is part of or subject to a subdivision homeowners' association; or the Property is not a condominium unit and there are common areas associated with the Property that are co-owned with others.

o. Any zoning code violations with respect to the Property; the Property or any portion thereof is located in a floodplain, wetland or shoreland zoning area under local, state or federal regulations; or the Property is subject to a mitigation plan required by Wisconsin Department of Natural Resources (DNR) rules related to county shoreland zoning ordinances, that obligates the Property owner to establish or maintain certain measures related to shoreland conditions, enforceable by the county.

p. Nonconforming uses of the Property (a nonconforming use is a use of land that existed lawfully before the current zoning ordinance was enacted or amended, but that does not conform to the use restrictions in the current ordinance); conservation easements (a conservation easement is a legal agreement in which a property owner conveys some of the rights associated with ownership of his or her property to an easement holder such as a governmental unit or a qualified nonprofit organization to protect the natural habitat of fish, wildlife, or plants or a similar ecosystem, preserve areas for outdoor recreation or education, or for similar purposes); restrictive covenants or deed restrictions on the Property; or, other than public rights-of-way, nonowners having rights to use part of the Property, including, but not limited to, private rights-of-way and easements other than recorded utility easements.

q. All or part of the Property has been assessed as agricultural land; has been assessed a use-value assessment conversion charge; or payment of a use-value assessment conversion charge has been deferred.

r. All or part of the Property is subject to, enrolled in, or in violation of a farmland preservation agreement, Forest Crop Law, Managed Forest Law, the Conservation Reserve Program, or a comparable program.

s. A dam is totally or partially located on the Property; or an ownership interest in a dam not located on the Property will be transferred with the Property because the dam is owned collectively by a homeowners' association, lake district, or similar group of which the Property owner is a member.

t. No legal access to the Property; or boundary or lot line disputes, encroachments or encumbrances (including a joint driveway) affecting the Property. Encroachments often involve some type of physical object belonging to one person but partially located on or overlapping on land belonging to another; such as, without limitation, fences, houses, garages, driveways, gardens, and landscaping. Encumbrances include, without limitation, a right or claim of another to a portion of the Property or to the use of the Property such as a joint driveway, liens, and licenses.

u. Government agency, court order, or federal, state, or local regulations requiring repair, alteration or correction of an existing condition.

v. A pier attached to the Property not in compliance with state or local pier regulations; a written agreement affecting riparian rights related to the Property; or the bed of the abutting navigable waterway is owned by a hydroelectric operator.

w. Material damage from fire, wind, flood, earthquake, expansive soil, erosion, or landslide.

x. Significant odor, noise, water diversion, water intrusion, or other irritants emanating from neighboring property.

y. Significant crop damage from disease, insects, soil contamination, wildlife, or other causes; diseased or dying trees or shrubs; or substantial injuries or disease in livestock on the Property or neighboring property.

z. Animal, reptile, or other insect infestations; drainage easement or grading problems; excessive sliding; or any other Defect or material condition.

aa. Archeological artifacts, mineral rights, orchards, or endangered species, or one or more burial sites on the Property.
bb. Owner is a foreign person as defined in the Foreign Investment in Real Property Tax Act in 26 IRC § 1445(f).
cc. Other Defects affecting the Property such as any agreements that bind subsequent owners of the property, such as a lease agreement or an extension of credit from an electric cooperative.

☐ **GOVERNMENT PROGRAMS:** Seller shall deliver to Buyer, within _____ days ("15" if left blank) after acceptance of this Offer, a list of all federal, state, county, and local conservation, farmland, environmental, or other land use programs, agreements, restrictions, or conservation easements, which apply to any part of the Property (e.g., farmland preservation agreements, farmland preservation or exclusive agricultural zoning, use value assessments, Forest Crop, Managed Forest, Conservation Reserve Program, wetland mitigation, shoreland zoning mitigation plan or comparable programs), along with disclosure of any penalties, fees, withdrawal charges, or payback obligations pending, or currently deferred, if any. This contingency will be deemed satisfied unless Buyer delivers to Seller, within 7 days after the deadline for delivery, a notice terminating this Offer based upon the use restrictions, program requirements, and/or amount of any penalty, fee, charge, or payback obligation.

CAUTION: If Buyer does not terminate this Offer, Buyer is hereby agreeing that Buyer will continue in such programs, as may apply, and Buyer agrees to reimburse Seller should Buyer fail to continue any such program such that Seller incurs any costs, penalties, damages, or fees that are imposed because the program is not continued after sale. The Parties agree this provision survives closing.

MANAGED FOREST LAND: If all, or part, of the Property is managed forest land under the Managed Forest Law (MFL) program, this designation will continue after closing. Buyer is advised as follows: The MFL is a landowner incentive program that encourages sustainable forestry on private woodlands by reducing and deferring property taxes. Orders designating lands as managed forest lands remain in effect for 25 or 50 years. When ownership of land enrolled in the MFL program changes, the new owner must sign and file a report of the change of ownership on a form provided by the Department of Natural Resources and pay a fee. By filing this form, the new owner agrees to the associated MFL management plan and the MFL program rules. The DNR Division of Forestry monitors forest management plan compliance. Changes a landowner makes to property that is subject to an order designating it as managed forest land, or to its use, may jeopardize benefits under the program or may cause the property to be withdrawn from the program and may result in the assessment of penalties. For more information call the local DNR forester or visit https://dnr.wisconsin.gov/topic/forestry .

USE VALUE ASSESSMENTS: The use value assessment system values agricultural land based on the income that would be generated from its rental for agricultural use rather than its fair market value. When a person converts agricultural land to a non-agricultural use (e.g., residential or commercial development), that person may owe a conversion charge. To obtain more information about the use value law or conversion charge, contact the Wisconsin Department of Revenue's Equalization Bureau or visit http://www.revenue.wi.gov/ .

FARMLAND PRESERVATION: The early termination of a farmland preservation agreement or removal of land from such an agreement can trigger payment of a conversion fee equal to 3 times the per acre value of the land. Contact the Wisconsin Department of Agriculture, Trade and Consumer Protection Division of Agricultural Resource Management or visit http://www.datcp.state.wi.us/ for more information.

CONSERVATION RESERVE PROGRAM (CRP): The CRP encourages farmers, through contracts with the U.S. Department of Agriculture, to stop growing crops on highly erodible or environmentally sensitive land and instead to plant a protective cover of grass or trees. CRP contracts run for 10 to 15 years, and owners receive an annual rent as well as certain incentive payments and cost share assistance for establishing long-term, resource-conserving ground cover. Removing lands from the CRP in breach of a contract can be quite costly. For more information call the state Farm Service Agency office or visit http://www.fsa.usda.gov/ .

SHORELAND ZONING ORDINANCES: All counties must adopt uniform shoreland zoning ordinances in compliance with Wis. Admin. Code Chapter NR 115. County shoreland zoning ordinances apply to all unincorporated land within 1,000 feet of a navigable lake, pond or flowage or within 300 feet of a navigable river or stream and establish minimum standards for building setbacks and height limits, cutting trees and shrubs, lot sizes, water runoff, impervious surface standards (that may be exceeded if a mitigation plan is adopted and recorded) and repairs to nonconforming structures. Buyers must conform to any existing mitigation plans. For more information call the county zoning office or visit https://dnr.wi.gov/ . Buyer is advised to check with the applicable city, town or village for additional shoreland zoning or shoreland-wetland zoning restrictions, if any.

FENCES: Wis. Stat. § 90.03 requires the owners of adjoining properties to keep and maintain legal fences in equal shares where one or both of the properties is used and occupied for farming or grazing purposes.

CAUTION: Consider an agreement addressing responsibility for fences if Property or adjoining land is used and occupied for farming or grazing purposes.

PROPERTY DEVELOPMENT WARNING: If Buyer contemplates developing Property for a use other than the current use, there are a variety of issues that should be addressed to ensure the development or new use is feasible. Buyer is solely responsible to verify the current zoning allows for the proposed use of the Property at lines 251-255. Municipal and zoning ordinances, recorded building and use restrictions, covenants and easements may prohibit certain improvements or uses and therefore should be reviewed. Building permits, zoning or zoning variances, Architectural Control Committee approvals, estimates for utility hook-up expenses, special assessments, changes for installation of roads or utilities, environmental audits, subsoil tests, or other development related fees may need to be obtained or verified in order to determine the feasibility of development of, or a particular use for, a property. Optional contingencies that allow Buyer to investigate certain of these issues can be found at lines 244-304 and Buyer may add contingencies as needed in addenda (see line 682).

Buyer should review any plans for development or use changes to determine what issues should be addressed in these contingencies.

PROPOSED USE CONTINGENCIES: This Offer is contingent upon Buyer obtaining, at Buyer's expense, the reports or documentation required by any optional provisions checked on lines 256-281 below. The optional provisions checked on lines 256-281 shall be deemed satisfied unless Buyer, within _____ days ("30" if left blank) after acceptance, delivers: (1) written notice to Seller specifying those optional provisions checked below that cannot be satisfied and (2) written evidence substantiating why each specific provision referred to in Buyer's notice cannot be satisfied. Upon delivery of Buyer's notice, this Offer shall be null and void. Seller agrees to cooperate with Buyer as necessary to satisfy the contingency provisions checked at lines 256-281.

Proposed Use: Buyer is purchasing the Property for the purpose of:_____

_____

_____ **[insert proposed use and type or style of building(s), size and proposed building location(s), if a requirement of Buyer's condition to purchase, e.g.1400-1600 sq. ft. three-bedroom single family ranch home in northwest corner of lot].**

☐ **ZONING:** Verification of zoning and that the Property's zoning allows Buyer's proposed use described at lines 251-255.

☐ **SUBSOILS:** Written evidence from a qualified soils expert that the Property is free of any subsoil condition that would make the proposed use described at lines 251-255 impossible or significantly increase the costs of such development.

☐ **PRIVATE ONSITE WASTEWATER TREATMENT SYSTEM (POWTS) SUITABILITY:** Written evidence from a certified soils tester that: (a) the soils at the Property locations selected by Buyer, and (b) all other conditions that must be approved, meet the legal requirements in effect on the date of this Offer to obtain a permit for a POWTS for use of the Property as stated on lines 251-255. The POWTS (septic system) allowed by the written evidence must be one of the following POWTS that is approved by the State for use with the type of property identified at lines 251-255 CHECK ALL THAT APPLY ☐ conventional in-ground; ☐ mound; ☐ at grade; ☐ in-ground pressure distribution; ☐ holding tank; ☐ other: _____.

☐ **EASEMENTS AND RESTRICTIONS:** Copies of all public and private easements, covenants and restrictions affecting the Property and a written determination by a qualified independent third party that none of these prohibit or significantly delay or increase the costs of the proposed use or development identified at lines 251-255.

☐ **APPROVALS/PERMITS:** Permits, approvals and licenses, as appropriate, or the final discretionary action by the granting authority prior to the issuance of such permits or building permit, approvals and licenses, for the following items related to Buyer's proposed use: _____

_____

☐ **UTILITIES:** Written verification of the location of the following utility service connections (e.g., on the Property, at the lot line, across the street, etc.) CHECK AND COMPLETE AS APPLICABLE:

☐ electricity _____; ☐ gas _____; ☐ sewer _____;

☐ water _____; ☐ telephone _____; ☐ cable _____;

☐ other _____.

☐ **ACCESS TO PROPERTY:** Written verification that there is legal vehicular access to the Property from public roads.

☐ **LAND USE APPROVAL/PERMITS:** This Offer is contingent upon (Buyer)(Seller) STRIKE ONE ("Buyer" if neither stricken) obtaining the following, including all costs: a CHECK ALL THAT APPLY ☐ rezoning; ☐ conditional use permit; ☐ variance; ☐ other _____ for the Property for its proposed use described at lines 251-255. Seller agrees to cooperate with Buyer as necessary to satisfy this contingency. Buyer shall deliver, within _____ days of acceptance, written notice to Seller if any item cannot be obtained, in which case this Offer shall be null and void.

☐ **MAP OF THE PROPERTY:** This Offer is contingent upon (Buyer obtaining) (Seller providing) STRIKE ONE ("Seller providing" if neither is stricken) a Map of the Property dated subsequent to the date of acceptance of this Offer prepared by a registered land surveyor, within _____ days ("30" if left blank) after acceptance, at (Buyer's) (Seller's) STRIKE ONE ("Seller's" if neither is stricken) expense. The map shall show minimum of _____ acres, maximum of _____ acres, the legal description of the Property, the Property's boundaries and dimensions, visible encroachments upon the Property, the location of improvements, if any, and:_____

_____

_____ STRIKE AND COMPLETE AS APPLICABLE Additional map features that may be added include but are not limited to: staking of all corners of the Property; identifying dedicated and apparent streets; lot dimensions; total acreage or square footage; easements or rights-of-way.

CAUTION: Consider the cost and the need for map features before selecting them. Also consider the time required to obtain the map when setting the deadline.

This contingency shall be deemed satisfied unless Buyer, within 5 days after the deadline for delivery of said map, delivers to Seller a copy of the map and a written notice which identifies: (1) the significant encroachment; (2) information materially inconsistent with prior representations; or (3) failure to meet requirements stated within this contingency. Upon delivery of Buyer's notice, this Offer shall be null and void. Once the deadline for delivery has passed, if Seller was responsible to

provide the map and failed to timely deliver the map to Buyer, Buyer may terminate this Offer if Buyer delivers a written notice of termination to Seller prior to Buyer's Actual Receipt of said map from Seller.

INSPECTIONS AND TESTING Buyer may only conduct inspections or tests if specific contingencies are included as a part of this Offer. An "inspection" is defined as an observation of the Property, which does not include an appraisal or testing of the Property, other than testing for leaking carbon monoxide, or testing for leaking LP gas or natural gas used as a fuel source, which are hereby authorized. A "test" is defined as the taking of samples of materials such as soils, water, air or building materials from the Property for laboratory or other analysis of these materials. Seller agrees to allow Buyer's inspectors, testers and appraisers reasonable access to the Property upon advance notice, if necessary, to satisfy the contingencies in this Offer. Buyer or licensees or both may be present at all inspections and testing. Except as otherwise provided, Seller's authorization for inspections does not authorize Buyer to conduct testing of the Property.

NOTE: Any contingency authorizing testing should specify the areas of the Property to be tested, the purpose of the test (e.g., to determine if environmental contamination is present), any limitations on Buyer's testing and any other material terms of the contingency.

Buyer agrees to promptly restore the Property to its original condition after Buyer's inspections and testing are completed unless otherwise agreed to with Seller. Buyer agrees to promptly provide copies of all inspection and testing reports to Seller. Seller acknowledges that certain inspections or tests may detect environmental pollution that may be required to be reported to the Wisconsin Department of Natural Resources.

[ ] **INSPECTION CONTINGENCY:** This contingency only authorizes inspections, not testing (see lines 305-319).

(1) This Offer is contingent upon a qualified independent inspector conducting an inspection of the Property after the date on line 1 of this Offer that discloses no Defects.

(2) This Offer is further contingent upon a qualified independent inspector or independent qualified third party performing an inspection of _____ _____ (list any Property component(s) to be separately inspected, e.g., dumpsite, timber quality, invasive species, etc.) that discloses no Defects.

(3) Buyer may have follow-up inspections recommended in a written report resulting from an authorized inspection, provided they occur prior to the Deadline specified at line 333. Inspection(s) shall be performed by a qualified independent inspector or independent qualified third party.

Buyer shall order the inspection(s) and be responsible for all costs of inspection(s).

CAUTION: Buyer should provide sufficient time for the Property inspection and/or any specialized inspection(s), as well as any follow-up inspection(s).

This contingency shall be deemed satisfied unless Buyer, within _____ days ("15" if left blank) after acceptance, delivers to Seller a copy of the written inspection report(s) dated after the date on line 1 of this Offer and a written notice listing the Defect(s) identified in those report(s) to which Buyer objects (Notice of Defects).

CAUTION: A proposed amendment is not a Notice of Defects and will not satisfy this notice requirement.

For the purposes of this contingency, Defects do not include structural, mechanical or other conditions the nature and extent of which Buyer had actual knowledge or written notice before signing this Offer.

NOTE: "Defect" as defined on lines 553-555 means a condition that would have a significant adverse effect on the value of the Property; that would significantly impair the health or safety of future occupants of the Property; or that if not repaired, removed or replaced would significantly shorten or adversely affect the expected normal life of the premises.

■ **RIGHT TO CURE:** Seller (shall)(shall not) **STRIKE ONE** ("shall" if neither is stricken) have the right to cure the Defects. If Seller has the right to cure, Seller may satisfy this contingency by:

(1) delivering written notice to Buyer within _____ ("10" if left blank) days after Buyer's delivery of the Notice of Defects stating Seller's election to cure Defects;

(2) curing the Defects in a good and workmanlike manner; and

(3) delivering to Buyer a written report detailing the work done no later than three days prior to closing.

This Offer shall be null and void if Buyer makes timely delivery of the Notice of Defects and written inspection report(s) and:

(1) Seller does not have the right to cure; or

(2) Seller has the right to cure but:

(a) Seller delivers written notice that Seller will not cure; or

(b) Seller does not timely deliver the written notice of election to cure.

IF LINE 355 IS NOT MARKED OR IS MARKED N/A LINES 403-414 APPLY.

[ ] **FINANCING COMMITMENT CONTINGENCY:** This Offer is contingent upon Buyer being able to obtain a written _____ [loan type or specific lender, if any] first mortgage loan commitment as described below, within _____ days after acceptance of this Offer. The financing selected shall be in an amount of not less than $ _____ for a term of not less than _____ years, amortized over not less than _____ years. Initial monthly payments of principal and interest shall not exceed $ _____. Buyer acknowledges that lender's required monthly payments may also include 1/12th of the estimated net annual real estate taxes, hazard insurance premiums, and private mortgage insurance premiums. The mortgage shall not include a prepayment premium. Buyer agrees to pay discount points in an amount not to exceed _____ % ("0" if left blank) of the loan. If Buyer is using multiple loan

sources or obtaining a construction loan or land contract financing, describe at lines 655-660 or in an addendum attached per line 682. Buyer agrees to pay all customary loan and closing costs, wire fees, and loan origination fees, to promptly apply for a mortgage loan, and to provide evidence of application promptly upon request of Seller. Seller agrees to allow lender's appraiser access to the Property.

■ LOAN AMOUNT ADJUSTMENT: If the purchase price under this Offer is modified, any financed amount, unless otherwise provided, shall be adjusted to the same percentage of the purchase price as in this contingency and the monthly payments shall be adjusted as necessary to maintain the term and amortization stated above.

CHECK AND COMPLETE APPLICABLE FINANCING PROVISION AT LINE 371 or 372.

☐ **FIXED RATE FINANCING:** The annual rate of interest shall not exceed _____%.

☐ **ADJUSTABLE RATE FINANCING:** The initial interest rate shall not exceed _____%. The initial interest rate shall be fixed for _____ months, at which time the interest rate may be increased not more than _____% ("2" if left blank) at the first adjustment and by not more than _____% ("1" if left blank) at each subsequent adjustment. The maximum interest rate during the mortgage term shall not exceed the initial interest rate plus _____% ("6" if left blank). Monthly payments of principal and interest may be adjusted to reflect interest changes.

■ SATISFACTION OF FINANCING COMMITMENT CONTINGENCY: If Buyer qualifies for the loan described in this Offer or another loan acceptable to Buyer, Buyer agrees to deliver to Seller a copy of a written loan commitment. This contingency shall be satisfied if, after Buyer's review, Buyer delivers to Seller a copy of a written loan commitment (even if subject to conditions) that is:

(1) signed by Buyer; or

(2) accompanied by Buyer's written direction for delivery.

Delivery of a loan commitment by Buyer's lender or delivery accompanied by a notice of unacceptability shall not satisfy this contingency.

CAUTION: The delivered loan commitment may contain conditions Buyer must yet satisfy to obligate the lender to provide the loan. Buyer understands delivery of a loan commitment removes the Financing Commitment Contingency from the Offer and shifts the risk to Buyer if the loan is not funded.

■ SELLER TERMINATION RIGHTS: If Buyer does not deliver a loan commitment on or before the Deadline on line 357, Seller may terminate this Offer if Seller delivers a written notice of termination to Buyer prior to Seller's Actual Receipt of written loan commitment from Buyer.

■ FINANCING COMMITMENT UNAVAILABILITY: If a financing commitment is not available on the terms stated in this Offer (and Buyer has not already delivered an acceptable loan commitment for other financing to Seller), Buyer shall promptly deliver written notice to Seller of same including copies of lender(s)' rejection letter(s) or other evidence of unavailability.

[ ] **SELLER FINANCING:** Seller shall have 10 days after the earlier of:

(1) Buyer delivery of written notice of evidence of unavailability as noted in lines 391-394: or

(2) the Deadline for delivery of the loan commitment on line 357,

to deliver to Buyer written notice of Seller's decision to (finance this transaction with a note and mortgage under the same terms set forth in this Offer, and this Offer shall remain in full force and effect, with the time for closing extended accordingly. If Seller's notice is not timely given, the option for Seller to provide financing shall be considered waived. Buyer agrees to cooperate with and authorizes Seller to obtain any credit information reasonably appropriate to determine Buyer's credit worthiness for Seller financing.

[IF THIS OFFER IS NOT CONTINGENT ON FINANCING COMMITMENT] Within _____ days ("7" if left blank) after acceptance, Buyer shall deliver to Seller either:

(1) reasonable written verification from a financial institution or third party in control of Buyer's funds that Buyer has, at the time of verification, sufficient funds to close; or

(2) _____ _____ [Specify documentation Buyer agrees to deliver to Seller].

If such written verification or documentation is not delivered, Seller has the right to terminate this Offer by delivering written notice to Buyer prior to Seller's Actual Receipt of a copy of Buyer's written verification. Buyer may or may not obtain mortgage financing but does not need the protection of a financing commitment contingency. Seller agrees to allow Buyer's appraiser access to the Property for purposes of an appraisal. Buyer understands and agrees that this Offer is not subject to the appraisal meeting any particular value, unless this Offer is subject to an appraisal contingency, nor does the right of access for an appraisal constitute a financing commitment contingency.

[ ] **APPRAISAL CONTINGENCY:** This Offer is contingent upon Buyer or Buyer's lender having the Property appraised at Buyer's expense by a Wisconsin licensed or certified independent appraiser who issues an appraisal report dated subsequent to the date stated on line 1 of this Offer, indicating an appraised value for the Property equal to or greater than the agreed upon purchase price.

This contingency shall be deemed satisfied unless Buyer, within _____ days after acceptance, delivers to Seller a copy of the appraisal report indicating an appraised value less than the agreed upon purchase price, and a written notice objecting to the appraised value.

■ **RIGHT TO CURE:** Seller (shall)(shall not) [STRIKE ONE] ("shall" if neither is stricken) have the right to cure. If Seller has the right to cure, Seller may satisfy this contingency by delivering written notice to Buyer adjusting the purchase price to the value shown on the appraisal report within _____ days ("5" if left blank) after Buyer's delivery of the appraisal

report and the notice objecting to the appraised value. Seller and Buyer agree to promptly execute an amendment initiated by either party after delivery of Seller's notice, solely to reflect the adjusted purchase price.
This Offer shall be null and void if Buyer makes timely delivery of the notice objecting to appraised value and the written appraisal report and:
(1) Seller does not have the right to cure; or
(2) Seller has the right to cure but:
(a) Seller delivers written notice that Seller will not adjust the purchase price; or
(b) Seller does not timely deliver the written notice adjusting the purchase price to the value shown on the appraisal report.
NOTE: An executed FHA, VA or USDA Amendatory clause may supersede this contingency.
☐ **CLOSING OF BUYER'S PROPERTY CONTINGENCY:** This Offer is contingent upon the closing of the sale of Buyer's property located at _____ no later than _____ (the Deadline). If closing does not occur by the Deadline, this Offer shall become null and void unless Buyer delivers to Seller, on or before the Deadline, reasonable written verification from a financial institution or third party in control of Buyer's funds that Buyer has, at the time of verification, sufficient funds to close or proof of bridge loan financing, along with a written notice waiving this contingency. Delivery of verification or proof of bridge loan shall not extend the closing date for this Offer.
☐ **BUMP CLAUSE:** If Seller accepts a bona fide secondary offer, Seller may give written notice to Buyer that another offer has been accepted. If Buyer does not deliver to Seller the documentation listed below within _____ hours ("72" if left blank) after Buyer's Actual Receipt of said notice, this Offer shall be null and void. Buyer must deliver the following:
(1) Written waiver of the Closing of Buyer's Property Contingency if line 435 is marked;
(2) Written waiver of _____ _____ (name other contingencies, if any); and
(3) Any of the following checked below:
☐ Proof of bridge loan financing.
☐ Proof of ability to close from a financial institution or third party in control of Buyer's funds which shall provide Seller with reasonable written verification that Buyer has, at the time of verification, sufficient funds to close.
Other: _____
_____
[insert other requirements, if any (e.g., payment of additional earnest money, etc.)]
☐ **SECONDARY OFFER:** This Offer is secondary to a prior accepted offer. This Offer shall become primary upon delivery of written notice to Buyer that this Offer is primary. Unless otherwise provided, Seller is not obligated to give Buyer notice prior to any Deadline, nor is any particular secondary buyer given the right to be made primary ahead of other secondary buyers. Buyer may declare this Offer null and void by delivering written notice of withdrawal to Seller prior to delivery of Seller's notice that this Offer is primary. Buyer may not deliver notice of withdrawal earlier than _____ days ("7" if left blank) after acceptance of this Offer. All other Offer Deadlines that run from acceptance shall run from the time this Offer becomes primary.
HOMEOWNERS ASSOCIATION If this Property is subject to a homeowners association, Buyer is aware the Property may be subject to periodic association fees after closing and one-time fees resulting from transfer of the Property. Any one-time fees resulting from transfer of the Property shall be paid at closing by (Seller) (Buyer) STRIKE ONE ("Buyer" if neither is stricken).
CLOSING PRORATIONS The following items, if applicable, shall be prorated at closing, based upon date of closing values: real estate taxes, rents, prepaid insurance (if assumed), private and municipal charges, property owners or homeowners association assessments, fuel and _____.
CAUTION: Provide basis for utility charges, fuel or other prorations if date of closing value will not be used.
Any income, taxes or expenses shall accrue to Seller, and be prorated at closing, through the day prior to closing.
Real estate taxes shall be prorated at closing based on CHECK BOX FOR APPLICABLE PRORATION FORMULA:
☐ The net general real estate taxes for the preceding year, or the current year if available (Net general real estate taxes are defined as general property taxes after state tax credits and lottery credits are deducted.) NOTE: THIS CHOICE APPLIES IF NO BOX IS CHECKED.
☐ Current assessment times current mill rate (current means as of the date of closing).
☐ Sale price, multiplied by the municipality area-wide percent of fair market value used by the assessor in the prior year, or current year if known, multiplied by current mill rate (current means as of the date of closing).
☐ _____.
CAUTION: Buyer is informed that the actual real estate taxes for the year of closing and subsequent years may be substantially different than the amount used for proration especially in transactions involving new construction, extensive rehabilitation, remodeling or area-wide re-assessment. Buyer is encouraged to contact the local assessor regarding possible tax changes.
☐ Buyer and Seller agree to re-prorate the real estate taxes, through the day prior to closing based upon the taxes on the actual tax bill for the year of closing, with Buyer and Seller each owing his or her pro-rata share. Buyer shall, within 5

days of receipt, forward a copy of the bill to the forwarding address Seller agrees to provide at closing. The Parties shall re-prorate within 30 days of Buyer's receipt of the actual tax bill. Buyer and Seller agree this is a post-closing obligation and is the responsibility of the Parties to complete, not the responsibility of the real estate Firms in this transaction.

TITLE EVIDENCE

■ CONVEYANCE OF TITLE: **Upon payment of the purchase price, Seller shall convey the Property by warranty deed (trustee's deed if Seller is a trust, personal representative's deed if Seller is an estate or other conveyance as provided herein)**, free and clear of all liens and encumbrances, except: municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, present uses of the Property in violation of the foregoing disclosed in Seller's Vacant Land Disclosure Report and in this Offer, general taxes levied in the year of closing and _____ _____ _____ (insert other allowable exceptions from title, if any) that constitutes merchantable title for purposes of this transaction. Seller, at Seller's cost, shall complete and execute the documents necessary to record the conveyance and pay the Wisconsin Real Estate Transfer Fee.

WARNING: Municipal and zoning ordinances, recorded building and use restrictions, covenants and easements may prohibit certain improvements or uses and therefore should be reviewed, particularly if Buyer contemplates making improvements to Property or a use other than the current use.

■ TITLE EVIDENCE: Seller shall give evidence of title in the form of an owner's policy of title insurance in the amount of the purchase price on a current ALTA form issued by an insurer licensed to write title insurance in Wisconsin. Seller shall pay all costs of providing title evidence to Buyer. Buyer shall pay the costs of providing the title evidence required by Buyer's lender and recording the deed or other conveyance.

■ GAP ENDORSEMENT: Seller shall provide a "gap" endorsement or equivalent gap coverage at (Seller's)(Buyer's) STRIKE ONE ("Seller's" if neither stricken) cost to provide coverage for any liens or encumbrances first filed or recorded after the commitment date of the title insurance commitment and before the deed is recorded, subject to the title insurance policy conditions, exclusions and exceptions, provided the title company will issue the coverage. If a gap endorsement or equivalent gap coverage is not available, Buyer may give written notice that title is not acceptable for closing (see lines 516-523).

■ DELIVERY OF MERCHANTABLE TITLE: The required title insurance commitment shall be delivered to Buyer's attorney or Buyer not more than 15 days after acceptance ("15" if left blank), showing title to the Property as of a date no more than 15 days before delivery of such title evidence to be merchantable per lines 489-498, subject only to liens which will be paid out of the proceeds of closing and standard title insurance requirements and exceptions, as appropriate.

■ TITLE NOT ACCEPTABLE FOR CLOSING: If title is not acceptable for closing, Buyer shall notify Seller in writing of objections to title within 15 days ("15" if left blank) after delivery of the title commitment to Buyer or Buyer's attorney. In such event, Seller shall have 15 days ("15" if left blank) from Buyer's delivery of the notice stating title objections, to deliver notice to Buyer stating Seller's election to remove the objections by the time set for closing. If Seller is unable to remove said objections, Buyer shall have five days from receipt of notice thereof, to deliver written notice waiving the objections, and the time for closing shall be extended accordingly. If Buyer does not waive the objections, Buyer shall deliver written notice of termination and this Offer shall be null and void. Providing title evidence acceptable for closing does not extinguish Seller's obligations to give merchantable title to Buyer.

■ SPECIAL ASSESSMENTS/OTHER EXPENSES: Special assessments, if any, levied or for work actually commenced prior to the date stated on line 1 of this Offer shall be paid by Seller no later than closing. All other special assessments shall be paid by Buyer. "Levied" means the local municipal governing body has adopted and published a final resolution describing the planned improvements and the assessment of benefits.

CAUTION: Consider a special agreement if area assessments, property owners association assessments, special charges for current services under Wis. Stat. § 66.0627 or other expenses are contemplated. "Other expenses" are one-time charges or ongoing use fees for public improvements (other than those resulting in special assessments) relating to curb, gutter, street, sidewalk, municipal water, sanitary and storm water and storm sewer (including all sewer mains and hook-up/connection and interceptor charges), parks, street lighting and street trees, and impact fees for other public facilities, as defined in Wis. Stat. § 66.0617(1)(f).

LEASED PROPERTY If Property is currently leased and lease(s) extend beyond closing, Seller shall assign Seller's rights under said lease(s) and transfer all security deposits and prepaid rents thereunder to Buyer at closing. The terms of the (written) (oral) STRIKE ONE lease(s), if any, are _____ _____ _____. Insert additional terms, if any, at lines 655-660 or attach as an addendum per line 682.

DEFINITIONS

■ ACTUAL RECEIPT: "Actual Receipt" means that a Party, not the Party's recipient for delivery, if any, has the document or written notice physically in the Party's possession, regardless of the method of delivery. If the document or written notice is electronically delivered, Actual Receipt shall occur when the Party opens the electronic transmission.

■ BUSINESS DAY: "Business Day" means a calendar day other than Saturday, Sunday, any legal public holiday under Wisconsin or Federal law, and any other day designated by the President such that the postal service does not receive

registered mail or make regular deliveries on that day.

■ DEADLINES: "Deadlines" expressed as a number of "days" from an event, such as acceptance, are calculated by excluding the day the event occurred and by counting subsequent calendar days. The Deadline expires at Midnight on the last day. Additionally, Deadlines expressed as a specific number of Business Days are calculated in the same manner except that only Business Days are counted while other days are excluded. Deadlines expressed as a specific number of "hours" from the occurrence of an event, such as receipt of a notice, are calculated from the exact time of the event, and by counting 24 hours per calendar day. Deadlines expressed as a specific day of the calendar year or as the day of a specific event, such as closing, expire at Midnight of that day. "Midnight" is defined as 11:59 p.m. Central Time.

■ DEFECT: "Defect" means a condition that would have a significant adverse effect on the value of the Property; that would significantly impair the health or safety of future occupants of the Property; or that if not repaired, removed or replaced would significantly shorten or adversely affect the expected normal life of the premises.

■ FIRM: "Firm" means a licensed sole proprietor broker or a licensed broker business entity.

■ PARTY: "Party" means the Buyer or the Seller; "Parties" refers to both the buyer and the Seller.

■ PROPERTY: Unless otherwise stated, "Property" means the real estate described at lines 4-8.

INCLUSION OF OPTIONAL PROVISIONS Terms of this Offer that are preceded by an OPEN BOX (☐) are part of this offer ONLY if the box is marked such as with an "X". They are not part of this offer if marked "N/A" or are left blank.

PROPERTY DIMENSIONS AND SURVEYS Buyer acknowledges that any land dimensions, or total acreage or square footage figures, provided to Buyer by Seller or by a Firm or its agents, may be approximate because of rounding, formulas used or other reasons, unless verified by survey or other means.

CAUTION: Buyer should verify total square footage formula, total square footage/acreage figures, and land dimensions, if material.

DISTRIBUTION OF INFORMATION Buyer and Seller authorize the agents of Buyer and Seller to: (i) distribute copies of the Offer to Buyer's lender, appraisers, title insurance companies and any other settlement service providers for the transaction as defined by the Real Estate Settlement Procedures Act (RESPA); (ii) report sales and financing concession data to multiple listing service sold databases; (iii) provide active listing, pending sale, closed sale and financing concession information and data, and related information regarding seller contributions, incentives or assistance, and third party gifts, to appraisers researching comparable sales, market conditions and listings, upon inquiry; and (iv) distribute copies of this Offer to the seller or seller's agent of another property that Seller intends on purchasing.

MAINTENANCE Seller shall maintain the Property and all personal property included in the purchase price until the earlier of closing or Buyer's occupancy, in materially the same condition it was in as of the date on line 1 of this Offer, except for ordinary wear and tear.

PROPERTY DAMAGE BETWEEN ACCEPTANCE AND CLOSING If, prior to closing, the Property is damaged in an amount not more than five percent of the purchase price, other than normal wear and tear, Seller shall promptly notify Buyer in writing, and will be obligated to restore the Property to materially the same condition it was in as of the date on line 1 of this Offer. Seller shall provide Buyer with copies of all required permits and lien waivers for the lienable repairs no later than closing. If the amount of damage exceeds five percent of the purchase price, Seller shall promptly notify Buyer in writing of the damage and this Offer may be terminated at option of Buyer. Should Buyer elect to carry out this Offer despite such damage, Buyer shall be entitled to the insurance proceeds, if any, relating to the damage to the Property, plus a credit towards the purchase price equal to the amount of Seller's deductible on such policy, if any. However, if this sale is financed by a land contract or a mortgage to Seller, any insurance proceeds shall be held in trust for the sole purpose of restoring the Property.

BUYER'S PRE-CLOSING WALK-THROUGH Within three days prior to closing, at a reasonable time pre-approved by Seller or Seller's agent, Buyer shall have the right to walk through the Property to determine that there has been no significant change in the condition of the Property, except for ordinary wear and tear and changes approved by Buyer, and that any Defects Seller has agreed to cure have been repaired in the manner agreed to by the Parties.

OCCUPANCY Occupancy of the entire Property shall be given to Buyer at time of closing unless otherwise provided in this Offer at lines 655-660 or in an addendum attached per line 682, or lines 534-538 if the Property is leased. At time of Buyer's occupancy, Property shall be free of all debris, refuse, and personal property except for personal property belonging to current tenants, or sold to Buyer or left with Buyer's consent. Occupancy shall be given subject to tenant's rights, if any.

DEFAULT Seller and Buyer each have the legal duty to use good faith and due diligence in completing the terms and conditions of this Offer. A material failure to perform any obligation under this Offer is a default that may subject the defaulting party to liability for damages or other legal remedies.

If Buyer defaults, Seller may:
(1) sue for specific performance and request the earnest money as partial payment of the purchase price; or
(2) terminate the Offer and have the option to: (a) request the earnest money as liquidated damages; or (b) sue for actual damages.

If Seller defaults, Buyer may:
(1) sue for specific performance; or
(2) terminate the Offer and request the return of the earnest money, sue for actual damages, or both.

In addition, the Parties may seek any other remedies available in law or equity. The Parties understand that the availability of any judicial remedy will depend upon the circumstances of the situation and the discretion of the courts. If either Party defaults, the Parties may renegotiate the Offer or seek nonjudicial dispute resolution instead of the remedies outlined above. By agreeing to binding arbitration, the Parties may lose the right to litigate in a court of law those disputes covered by the arbitration agreement.

NOTE: IF ACCEPTED, THIS OFFER CAN CREATE A LEGALLY ENFORCEABLE CONTRACT. BOTH PARTIES SHOULD READ THIS DOCUMENT CAREFULLY. THE FIRM AND ITS AGENTS MAY PROVIDE A GENERAL EXPLANATION OF THE PROVISIONS OF THE OFFER BUT ARE PROHIBITED BY LAW FROM GIVING ADVICE OR OPINIONS CONCERNING YOUR LEGAL RIGHTS UNDER THIS OFFER OR HOW TITLE SHOULD BE TAKEN AT CLOSING. AN ATTORNEY SHOULD BE CONSULTED IF LEGAL ADVICE IS NEEDED.

ENTIRE CONTRACT This Offer, including any amendments to it, contains the entire agreement of the Buyer and Seller regarding the transaction. All prior negotiations and discussions have been merged into this Offer. This agreement binds and inures to the benefit of the Parties to this Offer and their successors in interest.

NOTICE ABOUT SEX OFFENDER REGISTRY You may obtain information about the sex offender registry and persons registered with the registry by contacting the Wisconsin Department of Corrections on the Internet at http://www.doc.wi.gov or by telephone at (608) 240-5830.

FOREIGN INVESTMENT IN REAL PROPERTY TAX ACT (FIRPTA) Section 1445 of the Internal Revenue Code (IRC) provides that a transferee (Buyer) of a United States real property interest must pay or withhold as a tax up to 15% of the total "Amount Realized" in the sale if the transferor (Seller) is a "Foreign Person" and no exception from FIRPTA withholding applies. A "Foreign Person" is a nonresident alien individual, foreign corporation, foreign partnership, foreign trust, or foreign estate. The "Amount Realized" is the sum of the cash paid, the fair market value of other property transferred, and the amount of any liability assumed by Buyer.

CAUTION: Under this law if Seller is a Foreign Person, and Buyer does not pay or withhold the tax amount, Buyer may be held directly liable by the U.S. Internal Revenue Service for the unpaid tax and a tax lien may be placed upon the Property.

Seller hereby represents that Seller is a non-Foreign Person, unless (1) Seller represents Seller is a Foreign Person in a condition report incorporated in this Offer per lines 94-97, or (2) no later than 10 days after acceptance, Seller delivers notice to Buyer that Seller is a Foreign Person, in which cases the provisions on lines 637-639 apply.

IF SELLER IS A NON-FOREIGN PERSON. Seller shall, no later than closing, execute and deliver to Buyer, or a qualified substitute (attorney or title company as stated in IRC § 1445), a sworn certification under penalties of perjury of Seller's non-foreign status in accordance with IRC § 1445. If Seller fails to timely deliver certification of Seller's non-foreign status, Buyer shall: (1) withhold the amount required to be withheld pursuant to IRC § 1445; or, (2) declare Seller in default of this Offer and proceed under lines 601-608.

IF SELLER IS A FOREIGN PERSON. If Seller has represented that Seller is a Foreign Person, Buyer shall withhold the amount required to be withheld pursuant to IRC § 1445 at closing unless the Parties have amended this Offer regarding amounts to be withheld, any withholding exemption to be applied, or other resolution of this provision.

COMPLIANCE WITH FIRPTA. Buyer and Seller shall complete, execute, and deliver, on or before closing, any instrument, affidavit, or statement needed to comply with FIRPTA, including withholding forms. If withholding is required under IRC §1445, and the net proceeds due Seller are not sufficient to satisfy the withholding required in this transaction, Seller shall deliver to Buyer, at closing, the additional funds necessary to satisfy the applicable withholding requirement. Seller also shall pay to Buyer an amount not to exceed $1,000 for actual costs associated with the filing and administration of forms, affidavits, and certificates necessary for FIRPTA withholding and any withholding agent fees.

Any representations made by Seller with respect to FIRPTA shall survive the closing and delivery of the deed.

Firms, Agents, and Title Companies are not responsible for determining FIRPTA status or whether any FIRPTA exemption applies. The Parties are advised to consult with their respective independent legal counsel and tax advisors regarding FIRPTA.

[ ] **SELLER PAYMENT OF COMPENSATION TO BUYER'S FIRM:** Seller agrees to pay to Buyer's Firm the amount of _____ (e.g., dollar amount, % of purchase price, etc.), toward Buyer's brokerage fees at closing. Payment made under this provision represents an economic adjustment only and does not create any agency relationship between Buyer's Firm and Seller, and the Parties agree Buyer's Firm is a direct and intended third party beneficiary of this contract.

ADDITIONAL PROVISIONS/CONTINGENCIES _____

_____

_____

_____

_____

_____

DELIVERY OF DOCUMENTS AND WRITTEN NOTICES Unless otherwise stated in this Offer, delivery of documents and written notices to a Party shall be effective only when accomplished by one of the authorized methods specified at lines 664-679.

(1) Personal: giving the document or written notice personally to the Party, or the Party's recipient for delivery if named at line 666 or 667.
Name of Seller's recipient for delivery, if any: John Weidl/City of Whitewater, Patrick McGlinn/ACG LLC
Name of Buyer's recipient for delivery, if any: Jason Burke, Craig Friemoth/ACG LLC
[ ] (2) Fax: fax transmission of the document or written notice to the following number:
Seller: (_____) _____ Buyer: (_____) _____
[ ] (3) Commercial: depositing the document or written notice, fees prepaid or charged to an account, with a commercial delivery service, addressed either to the Party, or to the Party's recipient for delivery, for delivery to the Party's address at line 675 or 676.
[ ] (4) U.S. Mail: depositing the document or written notice, postage prepaid, in the U.S. Mail, addressed either to the Party, or to the Party's recipient for delivery, for delivery to the Party's address.
Address for Seller: _____
Address for Buyer: _____
[X] (5) Email: electronically transmitting the document or written notice to the email address.
Email Address for Seller: jweidl@whitewater-wi.gov, pmcglinn@acgwi.com
Email Address for Buyer: jason@summersetshorelines.com, cfriemoth@acgwi.com
PERSONAL DELIVERY/ACTUAL RECEIPT Personal delivery to, or Actual Receipt by, any named Buyer or Seller constitutes personal delivery to, or Actual Receipt by, all Buyers or Sellers.

[x] **ADDENDA:** The attached Addendum A, ALTA Minimum Standard Requirement is/are made part of this Offer.

This Offer was drafted by [Licensee and Firm] Dan Stouff/Anderson Commercial Group LLC

WIRE FRAUD WARNING! Wire Fraud is a real and serious risk. Never trust wiring instructions sent via email. Funds wired to a fraudulent account are often impossible to recover.

Criminals are hacking emails and sending fake wiring instructions by impersonating a real estate agent, Firm, lender, title company, attorney or other source connected to your transaction. These communications are convincing and professional in appearance but are created to steal your money. The fake wiring instructions may even be mistakenly forwarded to you by a legitimate source.

DO NOT initiate ANY wire transfer until you confirm wiring instructions IN PERSON or by YOU calling a verified number of the entity involved in the transfer of funds. Never use contact information provided by any suspicious communication.

Real estate agents and Firms ARE NOT responsible for the transmission, forwarding, or verification of any wiring or money transfer instructions.

(x) Signed by: Jason Burke 1/26/2026
Buyer's Signature ▲ Print Name Here ▸ Jason Burke and/or assigns Date ▲

(x) _____
Buyer's Signature ▲ Print Name Here ▸ Date ▲

SELLER ACCEPTS THIS OFFER. THE WARRANTIES, REPRESENTATIONS AND COVENANTS MADE IN THIS OFFER SURVIVE CLOSING AND THE CONVEYANCE OF THE PROPERTY. SELLER AGREES TO CONVEY THE PROPERTY ON THE TERMS AND CONDITIONS AS SET FORTH HEREIN AND ACKNOWLEDGES RECEIPT OF A COPY OF THIS OFFER.

(x) _____
Seller's Signature ▲ Print Name Here ▸ City of Whitewater/assigns Date ▲

(x) _____
Seller's Signature ▲ Print Name Here ▸ Date ▲

This Offer was presented to Seller by [Licensee and Firm] _____

_____ on _____ at _____ a.m./p.m.

This Offer is rejected _____ _____ This Offer is countered [See attached counter] _____ _____
Seller Initials ▲ Date ▲ Seller Initials ▲ Date ▲

ADDENDUM A TO OFFER TO PURCHASE
dated January 26, 2026
by Jason Burke and/or assigns, Buyer

The following terms and conditions shall be deemed to be a part of the foregoing attached Offer to Purchase dated January 26, 2026, ("Offer") for the real estate described in the Offer ("Property"). The terms of this Addendum shall supersede any conflicting provisions in the Offer.

I. Contingencies: Buyer's and Seller's obligation to conclude this transaction shall be contingent upon the following:

A. **Buyer's Contingency (Review Period):** Buyer shall have up to and including June 1, 2026 (the "Review Period") to conduct physical inspections of the Property, to obtain all governmental and other approvals and permits deemed necessary by Buyer to allow the Buyer to use the Property for Buyer's intended use, to review the title insurance commitment, survey and Seller Documents (as defined in II C. below). If Buyer is dissatisfied for any reason with the Property or any of Seller Documents, or is unable to obtain such approvals or permits for any reason whatsoever, Buyer may terminate this Offer by giving written notice of termination to Seller at any time during the Review Period. If Buyer so terminates this Offer during the Review Period, Seller shall promptly return all earnest money to Buyer.

B. **Wetland Delineation Contingency:** This Offer is contingent upon Seller providing a wetland delineation of the Property, dated within the last six (6) months by May 1, 2026. Buyer shall have up to and including June 1, 2026 to review the wetland delineation and determine whether the delineation is acceptable for Buyer's intended use of the Property. If Buyer determines, in Buyer's sole discretion, that the wetland delineation is unacceptable for Buyer's intended purpose, Buyer may terminate this Offer by delivering written notice to Seller on or before the expiration of the Review Period, in which event all earnest money shall be returned to Buyer and this Offer shall be null and void.

C. **ALTA Survey:** Seller shall provide to Buyer, at Seller's expense, on or before June 1, 2026, an ALTA boundary survey of the Property dated and stamped within 6 months prior to closing, prepared by a certified Wisconsin surveyor showing all property lines, improvements, encroachments, easements, alleys and adjoining roadways, cross-parking easements, and utility installations located therein. Such survey shall be in satisfactory form and accompanied by any required surveyor's report sufficient to enable Buyer to obtain removal of the standard survey exception on the title policy at no additional cost to Buyer. If the Survey shows the existence of conditions that would be detrimental to the Buyer's intended use on the Property, Buyer shall have the option (a) to terminate the Offer by written notice to Seller within three (3) days of delivery of the Survey whereby this Offer shall be null and void and all earnest money paid hereunder shall be returned to Buyer forthwith or (b) if such condition is subject to correction, to request Seller, at Seller's option and sole discretion and at its sole cost and expense, to correct such condition as promptly as possible, exercising due diligence, in which case the closing shall be extended for a commensurate period.

D. **Environmental/Soils Inspection**: This Offer is contingent upon Buyer obtaining, at Buyer's sole cost and expense, a written report from a qualified environmental consultant and a geotechnical soil investigation up to and including June 1, 2026, for the purpose of detecting the presence of air pollutants, water pollutants, processed waste water, solid and hazardous wastes, soil conditions, or any other toxic substance or environmental condition that would

have a material adverse impact on Buyer's anticipated use of the Property. Such tests may include a Phase I and/or Phase II environmental audit of the Property. In the event such Phase I and/or Phase II environmental audit is conducted and yields results that indicate the existence of levels of environmental contamination on the Property, Buyer may, in Buyer's reasonable discretion, terminate this Offer in writing, in which case this Offer shall be null and void and all earnest money paid hereunder shall be returned to Buyer forthwith.

E. **Start of Construction Agreement Contingency:** This Offer is contingent upon Buyer and Seller mutually negotiating and executing a written Start of Construction Agreement ("Construction Agreement") on or prior to June 1, 2026. The Construction Agreement shall address the terms, conditions, timing, and obligations of the parties relating to the commencement of construction on the Property and must be acceptable to both Buyer and Seller in their respective sole discretion. If Buyer and Seller do not reach and execute a mutually acceptable Construction Agreement within the 180-day period, Buyer may terminate this Offer by delivering written notice to Seller prior to the expiration of the 180-day period, in which event all earnest money shall be promptly returned to Buyer and this Offer shall be null and void.

Contingencies Waived or Satisfied:

If Buyer does not provide Seller written notice on or prior to June 1, 2026 that the contingencies set forth in the Offer have not been satisfied or waived, the contingencies shall automatically be deemed to be waived and satisfied.

II. Additional Provisions:

A. **Access to Property:** Seller agrees that Buyer shall have full and complete access to the Property to go upon the Property for the purpose of completing physical inspections, soil borings and testings, environmental audits, excavation and engineering testing, surveying and topography measurements, and any work related thereto ("Buyer's Due Diligence Activities"), all at Buyer's sole cost. Buyer shall not permit any liens to attach to the Property by reason of such activities. Buyer or Buyer's contractors shall maintain liability insurance for all such activities on the Property. At the conclusion of Buyer's Due Diligence Activities, any material damage to the Property caused thereby shall be repaired, and the Property shall be restored to substantially the condition existing prior to Buyer's Due Diligence Activities at the sole cost and expense of Buyer. Buyer agrees to indemnify and hold Seller harmless from and against any and all claims or liability arising from Buyer's Due Diligence Activities, except that such indemnification shall not apply to claims and liabilities related to Property conditions discovered during performance of said Due Diligence Activities.

B. **Earnest Money Escrow Payment:** Buyer shall deliver to the Title Company any and all earnest money deposits as required in the Offer.

Title Company shall hold and disburse these funds in accordance with the terms of the Offer, and shall rely upon a good faith decision based upon advice of an attorney not representing any party to the Offer. In addition, in the event of a dispute and Title Company's inability to comply with any of the foregoing provisions for payment, Title Company may deposit the funds into the Circuit Court for Jefferson County where the Property is located, and thereafter be relieved from responsibility. On any disbursement to which the Buyer and Seller do not agree, Title Company shall send written notice to all parties of the intent to disburse. The

notice shall state to whom, the amount and when the disbursement will be made, and the disbursement shall not occur until at least ten (10) days after mailing the notice.

Title Company shall not be liable for any acts or omissions performed in good faith pursuant to this Offer. Also, the undersigned parties shall hold Title Company harmless from all reasonable actions taken in accordance with this Offer and agree to share all out-of-pocket expenses incurred by Title Company, which may arise out of this Offer.

C. **Seller Documents:** Seller agrees to provide Buyer, within ten (10) days following acceptance of this Offer, copies of any documents available to or in Seller's possession relating to a survey of the property, environmental reports, floor plans, proposed construction plans, leases or other property related data.

D. **Insulation, Asbestos, Lead, Radium and Radon Gas:** The parties are aware that newspaper and other public information indicated that urea-formaldehyde foam insulation, asbestos, lead, radium, toxic substances and naturally occurring radon gas pollution, within a structure, or in soils or water supplies, could represent a serious health hazard. Seller states to the best of Seller's knowledge that this Property does not contain urea-formaldehyde foam insulation or asbestos and has not had a history of radon gas pollution or abnormal concentrations of lead, radium or toxic substances. Broker and Broker's agents make no representation or warranties regarding such matters and Buyer is encouraged to inspect and test the Property regarding such matters.

E. **Closing:** If Buyer does not terminate this Offer during the Contingency Period, closing of the purchase and sale of the Property, shall occur within ten (10) days after the date Buyer waives or satisfies all of its contingencies set forth in this Offer. Buyer may, at its sole option, elect to close the purchase of the Property at any time prior to said date, upon five (5) days prior written notice to Seller. If the date for closing falls on Saturday, Sunday, or a federal or a state holiday, the closing date shall be the next Business Day.

F. **Assignment of Offer to Purchase:** Buyer may assign this Offer by one or more successive assignments at any time prior to the closing of this transaction. Upon any such assignment, the assignee shall have all the rights and obligations of Buyer hereunder and Buyer shall thereupon, automatically and without the execution of further instruments or documents, be relieved and released from any obligations hereunder.

G. **Authorization to Sign Documents:** Buyer and Seller represent and warrant to each other that the individuals signing this Offer and Addendum on behalf of Buyer and Seller are duly authorized and have full written authority to so sign and to bind the respective parties to the provisions hereof.

H. **Electronic Signature/s:** Signatures made electronically using DocuSign or any other electronic signature software shall be considered original signatures.

I. **Legal Counsel:** Anderson Commercial Group, LLC makes no representation as to the accuracy or completeness of the disclosures made in this Offer to Purchase. The Buyer and Seller are advised to be represented by their attorneys in the preparation, review and signing of this Offer to Purchase and all other legal documents associated with the purchase/sale of this Property.

Entire Agreement: This agreement constitutes the entire agreement between the parties and no modification shall be binding unless in writing and signed by all parties.

In witness whereof, Seller and Buyer have caused this Addendum A to be executed on the date written below, their respective signatures, to be effective as of the full executed date of the Offer.

Buyer: Jason Burke and/or assigns

By: Signed by: Jason Burke Jason Burke Date: 1/26/2026

Seller: City of Whitewater and/or assigns

By: _____ Date: _____

Docusign Envelope ID: 12036184-3A70-4ED5-A6A4-51605553D531

MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS

(Effective February 23, 2021)

1. **Purpose** - Members of the American Land Title Association® (ALTA) have specific needs, unique to title insurance matters, when asked to insure title to land without exception as to the many matters which might be discoverable from survey and inspection, and which are not evidenced by the public records.

For a survey of real property, and the plat, map or record of such survey, to be acceptable to a title insurance company for the purpose of insuring title to said real property free and clear of survey matters (except those matters disclosed by the survey and indicated on the plat or map), certain specific and pertinent information must be presented for the distinct and clear understanding between the insured, the client (if different from the insured), the title insurance company (insurer), the lender, and the surveyor professionally responsible for the survey.

In order to meet such needs, clients, insurers, insureds, and lenders are entitled to rely on surveyors to conduct surveys and prepare associated plats or maps that are of a professional quality and appropriately uniform, complete, and accurate. To that end, and in the interests of the general public, the surveying profession, title insurers, and abstracters, the ALTA and the NSPS jointly promulgate the within details and criteria setting forth a minimum standard of performance for ALTA/NSPS Land Title Surveys. A complete 2021 ALTA/NSPS Land Title Survey includes:

(i) the on-site fieldwork required pursuant to Section 5,
(ii) the preparation of a plat or map pursuant to Section 6 showing the results of the fieldwork and its relationship to documents provided to or obtained by the surveyor pursuant to Section 4,
(iii) any information from Table A items requested by the client, and
(iv) the certification outlined in Section 7.

2. Request for Survey - The client shall request the survey, or arrange for the survey to be requested, and shall provide a written authorization to proceed from the person or entity responsible for paying for the survey. Unless specifically authorized in writing by the insurer, the insurer shall not be responsible for any costs associated with the preparation of the survey. The request must specify that an **"ALTA/NSPS LAND TITLE SURVEY"** is required and which of the optional items listed in Table A, if any, are to be incorporated. Certain properties or interests in real properties may present issues outside those normally encountered on an ALTA/NSPS Land Title Survey (e.g., marinas, campgrounds, mobile home parks, easements, leases, mineral interests, other non-fee simple interests). The scope of work related to surveys of such properties or interests in real properties should be discussed with the client, lender, and insurer, and agreed upon in writing prior to commencing work on the survey. When required, the client shall secure permission for the surveyor to enter upon the property to be surveyed, adjoining properties, or offsite easements.

3. Surveying Standards and Standards of Care

A. **Effective Date** - The 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys are effective February 23, 2021. As of that date, all previous versions of the Minimum Standard Detail Requirements for ALTA/ACSM or ALTA/NSPS Land Title Surveys are superseded by these standards.

B. **Other Requirements and Standards of Practice** - Many states and some local jurisdictions have adopted statutes, administrative rules, and/or ordinances that set out standards regulating the practice of surveying within their jurisdictions. In addition to the standards set forth herein, surveyors must also conduct their surveys in accordance with applicable jurisdictional survey requirements and standards of practice. Where conflicts between the standards set forth herein

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and any such jurisdictional requirements and standards of practice occur, the more stringent must apply.

C. **The Normal Standard of Care** - Surveyors should recognize that there may be unwritten local, state, and/or regional standards of care defined by the practice of the "prudent surveyor" in those locales.

D. **Boundary** - The boundary lines and corners of any property or interest in real property being surveyed (hereafter, the "surveyed property" or "property to be surveyed") as part of an ALTA/NSPS Land Title Survey must be established and/or retraced in accordance with appropriate boundary law principles governed by the set of facts and evidence found in the course of performing the research and fieldwork.

E. **Measurement Standards** - The following measurement standards address Relative Positional Precision for the monuments or witnesses marking the corners of the surveyed property.

i. "Relative Positional Precision" means the length of the semi-major axis, expressed in meters or feet, of the error ellipse representing the uncertainty in the position of the monument or witness marking any boundary corner of the surveyed property relative to the position of the monument or witness marking an immediately adjacent boundary corner of the surveyed property resulting from random errors in the measurements made in determining those positions at the 95 percent confidence level. Relative Positional Precision can be estimated by the results of a correctly weighted least squares adjustment of the survey. Alternatively, Relative Positional Precision can be estimated by the standard deviation of the distance between the monument or witness marking any boundary corner of the surveyed property and the monument or witness marking an immediately adjacent boundary corner of the surveyed property (called local accuracy) that can be computed using the full covariance matrix of the coordinate inverse between any given pair of points, understanding that Relative Positional Precision is based on the 95 percent confidence level, or approximately 2 standard deviations.

ii. Any boundary lines and corners established or retraced may have uncertainties in location resulting from (1) the availability, condition, history and integrity of reference or controlling monuments, (2) ambiguities in the record descriptions or plats of the surveyed property or its adjoiners, (3) occupation or possession lines as they may differ from the written title lines, or (4) Relative Positional Precision. Of these four sources of uncertainty, only Relative Positional Precision is controllable, although, due to the inherent errors in any measurement, it cannot be eliminated. The magnitude of the first three uncertainties can be projected based on evidence; Relative Positional Precision is estimated using statistical means (see Section 3.E.i. above and Section 3.E.v. below).

iii. The first three of these sources of uncertainty must be weighed as part of the evidence in the determination of where, in the surveyor's opinion, the boundary lines and corners of the surveyed property should be located (see Section 3.D. above). Relative Positional Precision is a measure of how precisely the surveyor is able to monument and report those positions; it is not a substitute for the application of proper boundary law principles. A boundary corner or line may have a small Relative Positional Precision because the survey measurements were precise, yet still be in the wrong position (i.e., inaccurate) if it was established or retraced using faulty or improper application of boundary law principles.

iv. For any measurement technology or procedure used on an ALTA/NSPS Land Title Survey, the surveyor must (1) use appropriately trained personnel, (2) compensate for systematic errors, including those associated with instrument calibration, and (3) use appropriate error propagation and measurement design theory (selecting the proper instruments, geometric layouts, and field and computational procedures) to control random errors such that the maximum allowable Relative Positional Precision outlined in Section 3.E.v. below is not exceeded.

v. The maximum allowable Relative Positional Precision for an ALTA/NSPS Land Title Survey is 2 cm (0.07 feet) plus 50 parts per million (based on the direct distance between the two

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corners being tested). It is recognized that in certain circumstances, the size or configuration of the surveyed property, or the relief, vegetation, or improvements on the surveyed property, will result in survey measurements for which the maximum allowable Relative Positional Precision may be exceeded in which case the reason shall be noted pursuant to Section 6.B.x. below.

4. **Records Research** - It is recognized that for the performance of an ALTA/NSPS Land Title Survey, the surveyor will be provided with appropriate and, when possible, legible data that can be relied upon in the preparation of the survey. In order to complete an ALTA/NSPS Land Title Survey, the surveyor must be provided with the following:
   A. The current record description of the real property to be surveyed or, in the case of an original survey prepared for purposes of locating and describing real property that has not been previously separately described in documents conveying an interest in the real property, the current record description of the parent parcel that contains the property to be surveyed;
   B. Complete copies of the most recent title commitment or, if a title commitment is not available, other title evidence satisfactory to the title insurer;
   C. The following documents from records established under state statutes for the purpose of imparting constructive notice of matters relating to real property (public records):
      i. The current record descriptions of any adjoiners to the property to be surveyed, except where such adjoiners are lots in platted, recorded subdivisions;
      ii. Any recorded easements benefitting the property to be surveyed; and
      iii. Any recorded easements, servitudes, or covenants burdening the property to be surveyed; and
   D. If desired by the client, any unrecorded documents affecting the property to be surveyed and containing information to which the survey shall make reference.

Except, however, if the documents outlined in this section are not provided to the surveyor or if non-public or quasi-public documents are otherwise required to complete the survey, the surveyor must conduct that research which is required pursuant to the statutory or administrative requirements of the jurisdiction where the surveyed property is located and that research (if any) which is negotiated and outlined in the terms of the contract between the surveyor and the client.

5. **Fieldwork** - The survey must be performed on the ground (except as may be otherwise negotiated pursuant to Table A, Item 15 below). Except as related to the precision of the boundary, which is addressed in Section 3.E. above, features located during the fieldwork shall be located to what is, in the surveyor's professional opinion, the appropriate degree of precision based on (a) the planned use of the surveyed property, if reported in writing to the surveyor by the client, lender, or insurer, or (b) the existing use, if the planned use is not so reported. The fieldwork shall include the following:

A. Monuments
   i. The location, size, character, and type of any monuments found during the fieldwork.
   ii. The location, size, character, and type of any monuments set during the fieldwork, if item 1 of Table A was selected or if otherwise required by applicable jurisdictional requirements and/or standards of practice.
   iii. The location, description, and character of any lines that control the boundaries of the surveyed property.

B. Rights of Way and Access
   i. The distance from the appropriate corner or corners of the surveyed property to the nearest right of way line, if the surveyed property does not abut a right of way.
   ii. The name of any street, highway, or other public or private way abutting the surveyed property, together with the width of the travelled way and the location of each edge of the travelled way including on divided streets and highways. If the documents provided to or obtained by the surveyor pursuant to Section 4 indicate no access from the surveyed property to the abutting street or highway, the width and location of the travelled way need not be located.

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iii. Visible evidence of physical access (e.g., curb cuts, driveways) to any abutting streets, highways, or other public or private ways.

iv. The location and character of vehicular, pedestrian, or other forms of access by other than the apparent occupants of the surveyed property to or across the surveyed property observed in the process of conducting the fieldwork (e.g., driveways, alleys, private roads, railroads, railroad sidings and spurs, sidewalks, footpaths).

v. Without expressing a legal opinion as to ownership or nature, the location and extent of any potentially encroaching driveways, alleys, and other ways of access from adjoining properties onto the surveyed property observed in the process of conducting the fieldwork.

vi. Where documentation of the location of any street, road, or highway right of way abutting, on, or crossing the surveyed property was not disclosed in documents provided to or obtained by the surveyor, or was not otherwise available from the controlling jurisdiction (see Section 6.C.iv. below), the evidence and location of parcel corners on the same side of the street as the surveyed property recovered in the process of conducting the fieldwork which may indicate the location of such right of way lines (e.g., lines of occupation, survey monuments).

vii. Evidence of access to and from waters adjoining the surveyed property observed in the process of conducting the fieldwork (e.g., paths, boat slips, launches, piers, docks).

C. Lines of Possession and Improvements along the Boundaries

i. The character and location of evidence of possession or occupation along the perimeter of the surveyed property, both by the occupants of the surveyed property and by adjoiners, observed in the process of conducting the fieldwork.

ii. Unless physical access is restricted, the character and location of all walls, buildings, fences, and other improvements within five feet of each side of the boundary lines observed in the process of conducting the fieldwork (see Section 5.E.iv. regarding utility poles). Trees, bushes, shrubs, and other vegetation need not be located other than as specified in the contract, unless they are deemed by the surveyor to be evidence of possession or occupation pursuant to Section 5.C.i.

iii. Without expressing a legal opinion as to the ownership or nature of the potential encroachment, the evidence, location, and extent of potentially encroaching structural appurtenances and projections observed in the process of conducting the fieldwork (e.g., fire escapes, bay windows, windows and doors that open out, flue pipes, stoops, eaves, cornices, areaways, steps, trim) by or onto adjoining property, or onto rights of way, easements, or setback lines disclosed in documents provided to or obtained by the surveyor.

D. Buildings

The location of buildings on the surveyed property observed in the process of conducting the fieldwork.

E. Easements and Servitudes

i. Evidence of any easements or servitudes burdening the surveyed property as disclosed in the documents provided to or obtained by the surveyor pursuant to Section 4 and observed in the process of conducting the fieldwork.

ii. Evidence of easements, servitudes, or other uses by other than the apparent occupants of the surveyed property not disclosed in the documents provided to or obtained by the surveyor pursuant to Section 4, but observed in the process of conducting the fieldwork if they are on or across the surveyed property (e.g., roads, drives, sidewalks, paths and other ways of access, utility service lines, utility locate markings (including the source of the markings, with a note if unknown), water courses, ditches, drains, telephone lines, fiber optic lines, electric lines, water lines, sewer lines, oil pipelines, gas pipelines).

iii. Surface indications of underground easements or servitudes on or across the surveyed property observed in the process of conducting the fieldwork (e.g., utility cuts, vent pipes, filler pipes, utility locate markings (including the source of the markings, with a note if unknown)).

iv. Evidence on or above the surface of the surveyed property observed in the process of

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conducting the fieldwork, which evidence may indicate utilities located on, over, or beneath the surveyed property. Examples of such evidence include pipeline markers, utility locate markings (including the source of the markings, with a note if unknown), manholes, valves, meters, transformers, pedestals, clean-outs, overhead lines, guy wires, and utility poles on or within ten feet of the surveyed property. Without expressing a legal opinion as to the ownership or nature of the potential encroachment, the extent of all encroaching utility pole crossmembers or overhangs.

F. Cemeteries
As accurately as the evidence permits, the perimeter of cemeteries and burial grounds, and the location of isolated gravesites not within a cemetery or burial ground, (i) disclosed in the documents provided to or obtained by the surveyor, or (ii) observed in the process of conducting the fieldwork.

G. Water Features

i. The location of springs, ponds, lakes, streams, rivers, canals, ditches, marshes, and swamps on, running through, or outside, but within five feet of, the perimeter boundary of the surveyed property and observed during the process of conducting the fieldwork.

ii. The location of any water feature forming a boundary of the surveyed property. The attribute(s) of the water feature located (e.g., top of bank, edge of water, high water mark) should be congruent with the boundary as described in the record description or, in the case of an original survey, in the new description (see Section 6.B.vi. below).

6. Plat or Map - A plat or map of an ALTA/NSPS Land Title Survey shall show the following information. Where dimensioning is appropriate, dimensions shall be annotated to what is, in the surveyor's professional opinion, the appropriate degree of precision based on (a) the planned use of the surveyed property, if reported in writing to the surveyor by the client, lender, or insurer, or (b) existing use, if the planned use is not so reported.

A. Field Locations. The evidence and locations gathered, and the monuments and lines located during the fieldwork pursuant to Section 5 above, with accompanying notes if deemed necessary by the surveyor or as otherwise required as specified below.

B. Boundary, Descriptions, Dimensions, and Closures

i. (a) The current record description of the surveyed property, or
(b) In the case of an original survey, the current record document number of the parent tract that contains the surveyed property.

ii. Any new description of the surveyed property that was prepared in conjunction with the survey, including a statement explaining why the new description was prepared. Except in the case of an original survey, preparation of a new description should be avoided unless deemed necessary or appropriate by the surveyor and insurer. Preparation of a new description should also generally be avoided when the record description is a lot or block in a platted, recorded subdivision. Except in the case of an original survey, if a new description is prepared, a note must be provided stating (a) that the new description describes the same real estate as the record description or, (b) if it does not, how the new description differs from the record description.

iii. The point of beginning, the remote point of beginning or point of commencement (if applicable) and all distances and directions identified in the record description of the surveyed property (and in the new description, if one was prepared). Where a measured or calculated dimension differs from the record by an amount deemed significant by the surveyor, such dimension must be shown in addition to, and differentiated from, the corresponding record dimension. All dimensions shown on the survey and contained in any new description must be horizontal ground dimensions unless otherwise noted.

iv. The direction, distance, and curve data necessary to compute a mathematical closure of the surveyed boundary. A note if the record description does not mathematically close. The basis of bearings and, where it differs from the record basis, the difference.

v. The remainder of any recorded lot or existing parcel, when the surveyed property is

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composed of only a portion of such lot or parcel, shall be graphically depicted. Such remainder need not be included as part of the actual survey, except to the extent necessary to locate the lines and corners of the surveyed property, and it need not be fully dimensioned or drawn at the same scale as the surveyed property.

vi. When the surveyed property includes a title line defined by a water boundary, a note on the face of the plat or map noting the date the boundary was measured, which attribute(s) of the water feature was/were located, and the caveat that the boundary is subject to change due to natural causes and that it may or may not represent the actual location of the limit of title. When the surveyor is aware of natural or artificial realignments or changes in such boundaries, the extent of those changes and facts shall be shown or explained.

vii. The relationship of the boundaries of the surveyed property to its adjoiners (e.g., contiguity, gaps, overlaps) where ascertainable from documents provided to or obtained by the surveyor pursuant to Section 4 and/or from field evidence gathered during the process of conducting the fieldwork. If the surveyed property is composed of multiple parcels, the extent of any gaps or overlaps between those parcels must be identified. Where gaps or overlaps are identified, the surveyor must, prior to or upon delivery of the final plat or map, disclose this to the insurer and client.

viii. When, in the opinion of the surveyor, the results of the survey differ significantly from the record, or if a fundamental decision related to the boundary resolution is not clearly reflected on the plat or map, the surveyor must explain this information with notes on the face of the plat or map.

ix. The location of buildings on the surveyed property dimensioned perpendicular to those perimeter boundary lines that the surveyor deems appropriate (i.e., where potentially impacted by a setback line) and/or as requested by the client, lender or insurer.

x. A note on the face of the plat or map explaining the site conditions that resulted in a Relative Positional Precision that exceeds the maximum allowed pursuant to Section 3.E.v.

xi. A note on the face of the plat or map identifying areas, if any, on the boundaries of the surveyed property, to which physical access within five feet was restricted (see Section 5.C.ii.).

xii. A note on the face of the plat or map identifying the source of the title commitment or other title evidence provided pursuant to Section 4, and the effective date and the name of the insurer of same.

C. Easements, Servitudes, Rights of Way, Access, and Documents

i. The location, width, and recording information of all plottable rights of way, easements, and servitudes burdening and benefitting the surveyed property, as evidenced by documents provided to or obtained by the surveyor pursuant to Section 4.

ii. A summary of all rights of way, easements, and other survey-related matters burdening the surveyed property and identified in the title evidence provided to or obtained by the surveyor pursuant to Section 4. Such summary must include the record information of each such right of way, easement, or other survey-related matter, a statement indicating whether it lies within or crosses the surveyed property, and a related note if:

(a) its location is shown;
(b) its location cannot be determined from the record document;
(c) there was no observed evidence at the time of the fieldwork;
(d) it is a blanket easement;
(e) it is not on, does not touch, and/or – based on the description contained in the record document – does not affect, the surveyed property;
(f) it limits access to an otherwise abutting right of way;
(g) the documents are illegible; or
(h) the surveyor has information indicating that it may have been released or otherwise terminated.

In cases where the surveyed property is composed of multiple parcels, indicate which of such

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parcels the various rights of way, easements, and other survey-related matters cross or touch.

iii. A note if no physical access to an abutting street, highway, or other public or private way was observed in the process of conducting the fieldwork.

iv. The locations and widths of rights of way abutting or crossing the surveyed property and the source of such information (a) where available from the controlling jurisdiction, or (b) where disclosed in documents provided to or obtained by the surveyor pursuant to Section 4.

v. The identifying titles of all recorded plats, filed maps, right of way maps, or similar documents that the survey represents, wholly or in part, with their recording or filing data.

vi. For non-platted adjoining land, recording data and, where available, tax parcel number, identifying adjoining tracts according to current public records. For platted adjoining land, the recording data of the subdivision plat.

vii. Platted setback or building restriction lines that appear on recorded subdivision plats or that were disclosed in documents provided to, or obtained by, the surveyor.

viii. If in the process of preparing the survey the surveyor becomes aware of a recorded easement not otherwise listed in the title evidence provided, the surveyor must advise the insurer prior to delivery of the plat or map and, unless the insurer provides evidence of a release of that easement, show or otherwise explain it on the face of the plat or map, with a note that the insurer has been advised.

D. Presentation

i. The plat or map must be drawn on a sheet of not less than 8 ½ by 11 inches in size at a legible, standard engineering scale, with that scale clearly indicated in words or numbers and with a graphic scale.

ii. The plat or map must include:

(a) The boundary of the surveyed property drawn in a manner that distinguishes it from other lines on the plat or map.

(b) If no buildings were observed on the surveyed property in the process of conducting the fieldwork, a note stating *"No buildings observed."*

(c) A north arrow (with north to the top of the drawing when practicable).

(d) A legend of symbols and abbreviations.

(e) A vicinity map showing the surveyed property in reference to nearby highway(s) or major street intersection(s).

(f) Supplementary or detail diagrams when necessary.

(g) Notes explaining any modifications to Table A items and the nature of any additional Table A items (e.g., 20(a), 20(b), 20(c)) that were negotiated between the surveyor and client.

(h) The surveyor's project number (if any), and the name, registration or license number, signature, seal, street address, telephone number, company website, and email address (if any) of the surveyor who performed the survey.

(i) The date(s) of any revisions made by the surveyor who performed the survey.

(j) Sheet numbers where the plat or map is composed of more than one sheet.

(k) The caption "ALTA/NSPS Land Title Survey."

iii. When recordation or filing of a plat or map is required by state statutes or local ordinances, such plat or map shall be produced in the required form.

7. Certification - The plat or map of an ALTA/NSPS Land Title Survey must bear only the following unaltered certification except as may be required pursuant to Section 3.B. above:

To (name of insured, if known), (name of lender, if known), (name of insurer, if known), (names of others as negotiated with the client):

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title

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Surveys, jointly established and adopted by ALTA and NSPS, and includes Items _____ of Table A thereof. The fieldwork was completed on _____ *[date].*

Date of Plat or Map: _____ *(Surveyor's signature, printed name and seal with Registration/License Number)*

8. **Deliverables** - The surveyor shall furnish copies of the plat or map of survey to the insurer and client and as otherwise negotiated with the client. Hard copies shall be on durable and dimensionally stable material of a quality standard acceptable to the insurer. A digital image of the plat or map may be provided in addition to, or in lieu of, hard copies pursuant to the terms of the contract. If the surveyor is required to record or file a plat or map pursuant to state statute or local ordinance it shall be so recorded or filed.

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TABLE A

OPTIONAL SURVEY RESPONSIBILITIES AND SPECIFICATIONS

NOTE: Whether any of the nineteen (19) items of Table A are to be selected, and the exact wording of and fee for any selected item, may be negotiated between the surveyor and client. Any additional items negotiated between the surveyor and client must be identified as 20(a), 20(b), etc. Any additional items negotiated between the surveyor and client, and any negotiated changes to the wording of a Table A item, must be explained pursuant to Section 6.D.ii.(g). Notwithstanding Table A Items 5 and 11, if an engineering design survey is desired as part of an ALTA/NSPS Land Title Survey, such services should be negotiated under Table A, Item 20.

If checked, the following optional items are to be included in the ALTA/NSPS LAND TITLE SURVEY, except as otherwise qualified (see note above):

1. ☐ *Monuments placed (or a reference monument or witness to the corner) at all major corners of the boundary of the surveyed property, unless already marked or referenced by existing monuments or witnesses in close proximity to the corner.*
2. ☑ *Address(es) of the surveyed property if disclosed in documents provided to or obtained by the surveyor, or observed while conducting the fieldwork.*
3. ☑ *Flood zone classification (with proper annotation based on federal Flood Insurance Rate Maps or the state or local equivalent) depicted by scaled map location and graphic plotting only.*
4. ☑ *Gross land area (and other areas if specified by the client).*
5. ☐ *Vertical relief with the source of information (e.g., ground survey, aerial map), contour interval, datum, with originating benchmark, when appropriate.*
6. ☑ *(a) If the current zoning classification, setback requirements, the height and floor space area restrictions, and parking requirements specific to the surveyed property are set forth in a zoning report or letter provided to the surveyor by the client or the client's designated representative, list the above items on the plat or map and identify the date and source of the report or letter.*

   ☑ *(b)If the zoning setback requirements specific to the surveyed property are set forth in a zoning report or letter provided to the surveyor by the client or the client's designated representative, and if those requirements do not require an interpretation by the surveyor, graphically depict those requirements on the plat or map and identify the date and source of the report or letter.*
7. ☐ *(a) Exterior dimensions of all buildings at ground level.*

   ☐ *(b) Square footage of:*

   ☐ *(1) exterior footprint of all buildings at ground level.*

   ☐ *(2) other areas as specified by the client.*

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☐ *(c) Measured height of all buildings above grade at a location specified by the client. If no location is specified, the point of measurement shall be identified.*

8. ☐ *Substantial features observed in the process of conducting the fieldwork (in addition to the improvements and features required pursuant to Section 5 above) (e.g., parking lots, billboards, signs, swimming pools, landscaped areas, substantial areas of refuse).*

9. ☐ *Number and type (e.g., disabled, motorcycle, regular, and other marked specialized types) of clearly identifiable parking spaces on surface parking areas, lots, and in parking structures. Striping of clearly identifiable parking spaces on surface parking areas and lots.*

10. ☐ *As designated by the client, a determination of the relationship and location of certain division or party walls with respect to adjoining properties.*

11. *Evidence of underground utilities existing on or serving the surveyed property (in addition to the observed evidence of utilities required pursuant to Section 5.E.iv.) as determined by:*

    ☑ *(a) plans and/or reports provided by client (with reference as to the sources of information)*

    ☐ *(b) markings coordinated by the surveyor pursuant to a private utility locate request.*

    Note to the client, insurer, and lender – With regard to Table A, item 11, information from the sources checked above will be combined with observed evidence of utilities pursuant to Section 5.E.iv. to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response, in which case the surveyor shall note on the plat or map how this affected the surveyor's assessment of the location of the utilities. Where additional or more detailed information is required, the client is advised that excavation may be necessary.

12. ☐ *As specified by the client, Governmental Agency survey-related requirements (e.g., HUD surveys, surveys for leases on Bureau of Land Management managed lands). The relevant survey requirements are to be provided by the client or client's designated representative.*

13. ☐ *Names of adjoining owners according to current tax records. If more than one owner, identify the first owner's name listed in the tax records followed by "et al."*

14. ☐ *As specified by the client, distance to the nearest intersecting street.*

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15. ☐ *Rectified orthophotography, photogrammetric mapping, remote sensing, airborne/mobile laser scanning and other similar products, tools or technologies as the basis for showing the location of certain features (excluding boundaries) where ground measurements are not otherwise necessary to locate those features to an appropriate and acceptable accuracy relative to a nearby boundary. The surveyor must (a) discuss the ramifications of such methodologies (e.g., the potential precision and completeness of the data gathered thereby) with the insurer, lender, and client prior to the performance of the survey, and (b) place a note on the face of the survey explaining the source, date, precision, and other relevant qualifications of any such data.*

16. ☐ *Evidence of recent earth moving work, building construction, or building additions observed in the process of conducting the fieldwork.*

17. ☐ *Proposed changes in street right of way lines, if such information is made available to the surveyor by the controlling jurisdiction. Evidence of recent street or sidewalk construction or repairs observed in the process of conducting the fieldwork.*

18. ☐ *Pursuant to Sections 5 and 6 (and applicable selected Table A items, excluding Table A item 1), include as part of the survey any plottable offsite (i.e., appurtenant) easements disclosed in documents provided to or obtained by the surveyor.*

19. ☐ *Professional liability insurance policy obtained by the surveyor in the minimum amount of $_____ to be in effect throughout the contract term. Certificate of insurance to be furnished upon request, but this item shall not be addressed on the face of the plat or map.*

20. ☐ _____

Adopted by the American Land Title Association on October 1, 2020. More at: www.alta.org.
Adopted by the National Society of Professional Surveyors on October 30, 2020. More at: www.nsps.us.com.

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American Land Title Association and
National Society of Professional Surveyors

ADDENDUM A TO OFFER TO PURCHASE
dated January 26, 2026
by Jason Burke and/or assigns, Buyer

The following terms and conditions shall be deemed to be a part of the foregoing attached Offer to Purchase dated January 26, 2026, ("Offer") for the real estate described in the Offer ("Property"). The terms of this Addendum shall supersede any conflicting provisions in the Offer.

I. Contingencies: Buyer's and Seller's obligation to conclude this transaction shall be contingent upon the following:

A. Buyer's Contingency (Review Period): Buyer shall have up to and including June 1, 2026 (the "Review Period") to conduct physical inspections of the Property, to obtain all governmental and other approvals and permits deemed necessary by Buyer to allow the Buyer to use the Property for Buyer's intended use, to review the title insurance commitment, survey and Seller Documents (as defined in II C. below). If Buyer is dissatisfied for any reason with the Property or any of Seller Documents, or is unable to obtain such approvals or permits for any reason whatsoever, Buyer may terminate this Offer by giving written notice of termination to Seller at any time during the Review Period. If Buyer so terminates this Offer during the Review Period, Seller shall promptly return all earnest money to Buyer.

B. Wetland Delineation Contingency: This Offer is contingent upon Seller providing a wetland delineation of the Property, dated within the last six (6) months by May 1, 2026. Buyer shall have up to and including June 1, 2026 to review the wetland delineation and determine whether the delineation is acceptable for Buyer's intended use of the Property. If Buyer determines, in Buyer's sole discretion, that the wetland delineation is unacceptable for Buyer's intended purpose, Buyer may terminate this Offer by delivering written notice to Seller on or before the expiration of the Review Period, in which event all earnest money shall be returned to Buyer and this Offer shall be null and void.

C. ALTA Survey: Seller shall provide to Buyer, at Seller's expense, on or before June 1, 2026, an ALTA boundary survey of the Property dated and stamped within 6 months prior to closing, prepared by a certified Wisconsin surveyor showing all property lines, improvements, encroachments, easements, alleys and adjoining roadways, cross-parking easements, and utility installations located therein. Such survey shall be in satisfactory form and accompanied by any required surveyor's report sufficient to enable Buyer to obtain removal of the standard survey exception on the title policy at no additional cost to Buyer. If the Survey shows the existence of conditions that would be detrimental to the Buyer's intended use on the Property, Buyer shall have the option (a) to terminate the Offer by written notice to Seller within three (3) days of delivery of the Survey whereby this Offer shall be null and void and all earnest money paid hereunder shall be returned to Buyer forthwith or (b) if such condition is subject to correction, to request Seller, at Seller's option and sole discretion and at its sole cost and expense, to correct such condition as promptly as possible, exercising due diligence, in which case the closing shall be extended for a commensurate period.

D. Environmental/Soils Inspection: This Offer is contingent upon Buyer obtaining, at Buyer's sole cost and expense, a written report from a qualified environmental consultant and a geotechnical soil investigation up to and including June 1, 2026, for the purpose of detecting the presence of air pollutants, water pollutants, processed waste water, solid and hazardous wastes, soil conditions, or any other toxic substance or environmental condition that would

have a material adverse impact on Buyer's anticipated use of the Property. Such tests may include a Phase I and/or Phase II environmental audit of the Property. In the event such Phase I and/or Phase II environmental audit is conducted and yields results that indicate the existence of levels of environmental contamination on the Property, Buyer may, in Buyer's reasonable discretion, terminate this Offer in writing, in which case this Offer shall be null and void and all earnest money paid hereunder shall be returned to Buyer forthwith.

E. **Start of Construction Agreement Contingency:** This Offer is contingent upon Buyer and Seller mutually negotiating and executing a written Start of Construction Agreement ("Construction Agreement") on or prior to June 1, 2026. The Construction Agreement shall address the terms, conditions, timing, and obligations of the parties relating to the commencement of construction on the Property and must be acceptable to both Buyer and Seller in their respective sole discretion. If Buyer and Seller do not reach and execute a mutually acceptable Construction Agreement within the 180-day period, Buyer may terminate this Offer by delivering written notice to Seller prior to the expiration of the 180-day period, in which event all earnest money shall be promptly returned to Buyer and this Offer shall be null and void.

Contingencies Waived or Satisfied:

If Buyer does not provide Seller written notice on or prior to June 1, 2026 that the contingencies set forth in the Offer have not been satisfied or waived, the contingencies shall automatically be deemed to be waived and satisfied.

II. Additional Provisions:

A. **Access to Property:** Seller agrees that Buyer shall have full and complete access to the Property to go upon the Property for the purpose of completing physical inspections, soil borings and testings, environmental audits, excavation and engineering testing, surveying and topography measurements, and any work related thereto ("Buyer's Due Diligence Activities"), all at Buyer's sole cost. Buyer shall not permit any liens to attach to the Property by reason of such activities. Buyer or Buyer's contractors shall maintain liability insurance for all such activities on the Property. At the conclusion of Buyer's Due Diligence Activities, any material damage to the Property caused thereby shall be repaired, and the Property shall be restored to substantially the condition existing prior to Buyer's Due Diligence Activities at the sole cost and expense of Buyer. Buyer agrees to indemnify and hold Seller harmless from and against any and all claims or liability arising from Buyer's Due Diligence Activities, except that such indemnification shall not apply to claims and liabilities related to Property conditions discovered during performance of said Due Diligence Activities.

B. **Earnest Money Escrow Payment:** Buyer shall deliver to the Title Company any and all earnest money deposits as required in the Offer.

Title Company shall hold and disburse these funds in accordance with the terms of the Offer, and shall rely upon a good faith decision based upon advice of an attorney not representing any party to the Offer. In addition, in the event of a dispute and Title Company's inability to comply with any of the foregoing provisions for payment, Title Company may deposit the funds into the Circuit Court for Jefferson County where the Property is located, and thereafter be relieved from responsibility. On any disbursement to which the Buyer and Seller do not agree, Title Company shall send written notice to all parties of the intent to disburse. The

notice shall state to whom, the amount and when the disbursement will be made, and the disbursement shall not occur until at least ten (10) days after mailing the notice.

Title Company shall not be liable for any acts or omissions performed in good faith pursuant to this Offer. Also, the undersigned parties shall hold Title Company harmless from all reasonable actions taken in accordance with this Offer and agree to share all out-of-pocket expenses incurred by Title Company, which may arise out of this Offer.

C. **Seller Documents:** Seller agrees to provide Buyer, within ten (10) days following acceptance of this Offer, copies of any documents available to or in Seller's possession relating to a survey of the property, environmental reports, floor plans, proposed construction plans, leases or other property related data.

D. **Insulation, Asbestos, Lead, Radium and Radon Gas:** The parties are aware that newspaper and other public information indicated that urea-formaldehyde foam insulation, asbestos, lead, radium, toxic substances and naturally occurring radon gas pollution, within a structure, or in soils or water supplies, could represent a serious health hazard. Seller states to the best of Seller's knowledge that this Property does not contain urea-formaldehyde foam insulation or asbestos and has not had a history of radon gas pollution or abnormal concentrations of lead, radium or toxic substances. Broker and Broker's agents make no representation or warranties regarding such matters and Buyer is encouraged to inspect and test the Property regarding such matters.

E. **Closing:** If Buyer does not terminate this Offer during the Contingency Period, closing of the purchase and sale of the Property, shall occur within ten (10) days after the date Buyer waives or satisfies all of its contingencies set forth in this Offer. Buyer may, at its sole option, elect to close the purchase of the Property at any time prior to said date, upon five (5) days prior written notice to Seller. If the date for closing falls on Saturday, Sunday, or a federal or a state holiday, the closing date shall be the next Business Day.

F. **Assignment of Offer to Purchase:** Buyer may assign this Offer by one or more successive assignments at any time prior to the closing of this transaction. Upon any such assignment, the assignee shall have all the rights and obligations of Buyer hereunder and Buyer shall thereupon, automatically and without the execution of further instruments or documents, be relieved and released from any obligations hereunder.

G. **Authorization to Sign Documents:** Buyer and Seller represent and warrant to each other that the individuals signing this Offer and Addendum on behalf of Buyer and Seller are duly authorized and have full written authority to so sign and to bind the respective parties to the provisions hereof.

H. **Electronic Signature/s:** Signatures made electronically using DocuSign or any other electronic signature software shall be considered original signatures.

I. **Legal Counsel:** Anderson Commercial Group, LLC makes no representation as to the accuracy or completeness of the disclosures made in this Offer to Purchase. The Buyer and Seller are advised to be represented by their attorneys in the preparation, review and signing of this Offer to Purchase and all other legal documents associated with the purchase/sale of this Property.

Entire Agreement: This agreement constitutes the entire agreement between the parties and no modification shall be binding unless in writing and signed by all parties.

In witness whereof, Seller and Buyer have caused this Addendum A to be executed on the date written below, their respective signatures, to be effective as of the full executed date of the Offer.

Buyer: Jason Burke and/or assigns

By: _____ Date: _____
Jason Burke

Seller: City of Whitewater and/or assigns

By: _____ Date: _____

WHITEWATER FORWARD

MOVING TOGETHER TOWARD 2045

COMPREHENSIVE PLAN

PARC Meeting

City of WHITEWATER

PLANNING ● DESIGN

AGENDA

- Introductions
- Schedule Overview
- Process Overview

WHITEWATER FORWARD

MOVING TOGETHER TOWARD 2045

INTRODUCTIONS



Charlie Cowell
Project Manager + Planner



Maya Struhar
Planner + Engagement



Flavia Tourek
Urban Planner + GIS + Communication



Cory Scott
Land Use + Mobility + Districts



Ryan Peterson
Environments

Plan Advisory Work Group members

- Neil Hicks – Common Council
- Brian Shanen – Common Council
- Orin Smith – Common Council
- Sherry Stanek - PARC
- Elizabeth Anderson - Generac
- Corey Davis – Kiwanian, UWW
- Rebecca Goodacre - Chamber
- Terry Tumbarello - UWW Executive of Housing
- Benjamin Freiermuth – WRA
- Chris Christian - CDA and local business owner
- Dave Friend - Whitewater School District

WHITEWATER FORWARD
MOVING TOGETHER TOWARD 2045

RDG PLANNING ● DESIGN

INTRODUCTIONS

What is a Comprehensive Plan?

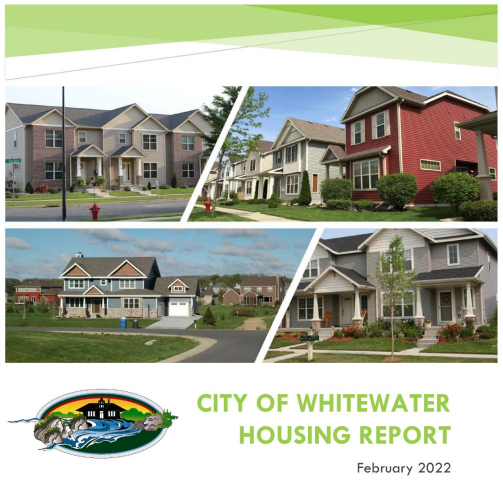
A guide for development policy

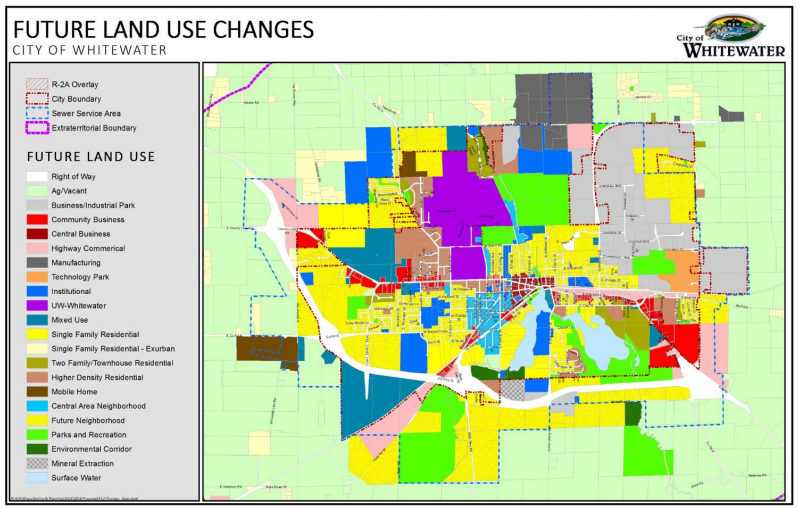
A context for making key land use and public investment decisions

A vision for the city's future

A tool to guide city priorities and directions, including capital improvement programming

A strategic document that is adapted to the specific needs and hopes of the city





Rental Housing Market Analysis
-- A Strategy Plan --
Whitewater, Wisconsin

Prepared on behalf of:

City of Whitewater
312 W. Whitewater Street
Whitewater, WI 53190

April 12, 2024

Residential Market Analysis
-- Strategy Planning Guidelines --
Whitewater, Wisconsin

Prepared on behalf of:

Cedar Corporation
1695 Bellevue Street
Green Bay, WI 54311

June 30, 2023

PROCESS OVERVIEW

Project Launch



Input

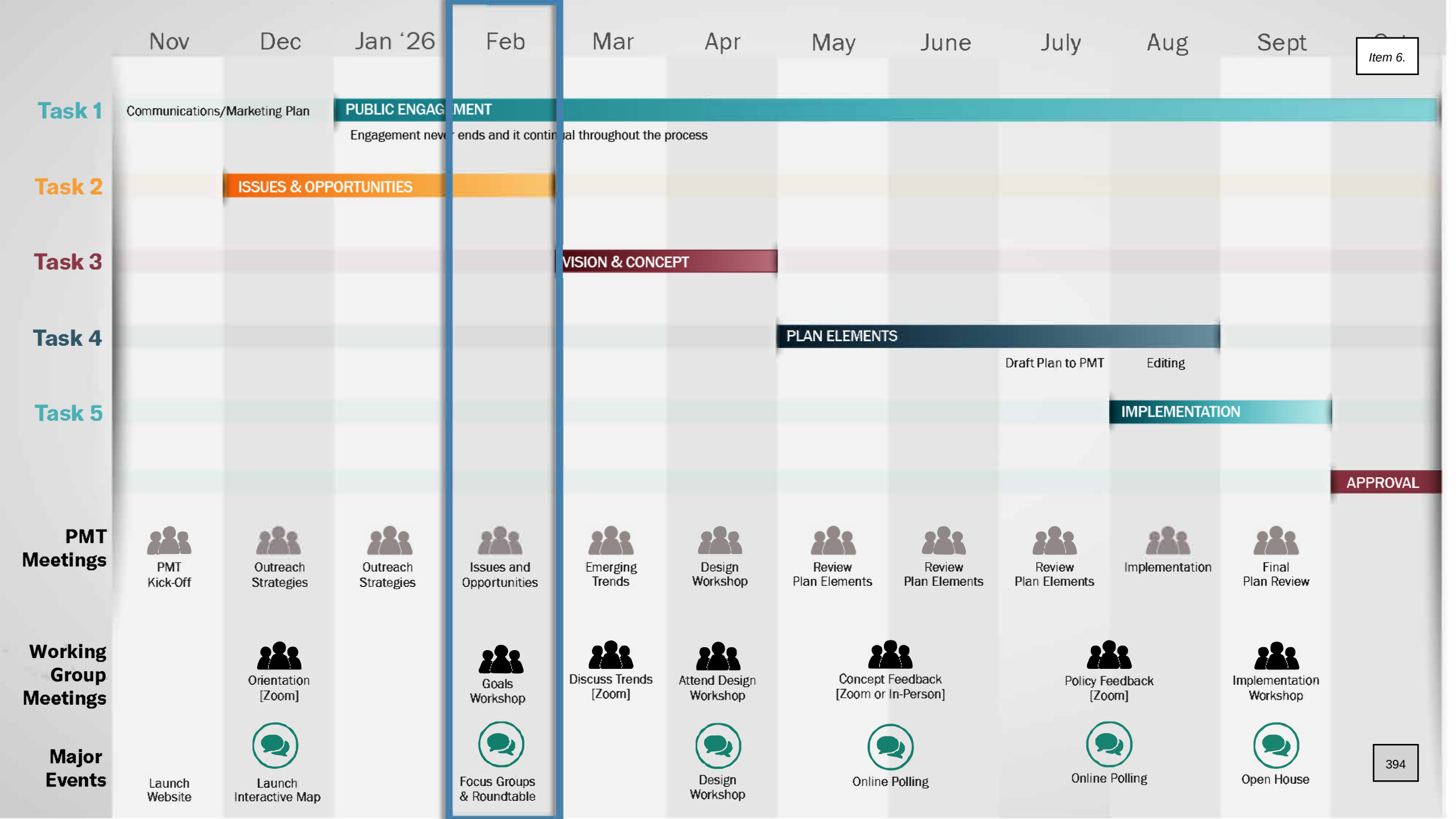
Today: Collect and Analyze Data

Tomorrow: Land Use & Special Area Concepts

Tomorrow: Plan Elements

Implementation

Approval


Nov
Dec
Jan '26
Feb
Mar
Apr
May
June
July
Aug
Sept
Task 1
Communications/Marketing Plan
PUBLIC ENGAGEMENT
Engagement never ends and it continual throughout the process
Task 2
ISSUES & OPPORTUNITIES
Task 3
VISION & CONCEPT
Task 4
PLAN ELEMENTS
Draft Plan to PMT
Editing
Task 5
IMPLEMENTATION
APPROVAL
PMT Meetings
PMT Kick-Off
Outreach Strategies
Outreach Strategies
Issues and Opportunities
Emerging Trends
Design Workshop
Review Plan Elements
Review Plan Elements
Review Plan Elements
Implementation
Final Plan Review
Working Group Meetings
Orientation [Zoom]
Goals Workshop
Discuss Trends [Zoom]
Attend Design Workshop
Concept Feedback [Zoom or In-Person]
Policy Feedback [Zoom]
Implementation Workshop
Major Events
Launch Website
Launch Interactive Map
Focus Groups & Roundtable
Design Workshop
Online Polling
Online Polling
Open House

PROCESS

Communications

- Reaching a diverse population, including historically underrepresented
- Translation services
- Using established connections and data
- Virtual, in-person, physical

Project Branding

- Generate excitement
- Announce project
- Custom website & engagement hub
- Virtual, in-person, physical

WHITEWATER FORWARD
MOVING TOGETHER TOWARD 2045

PROCESS

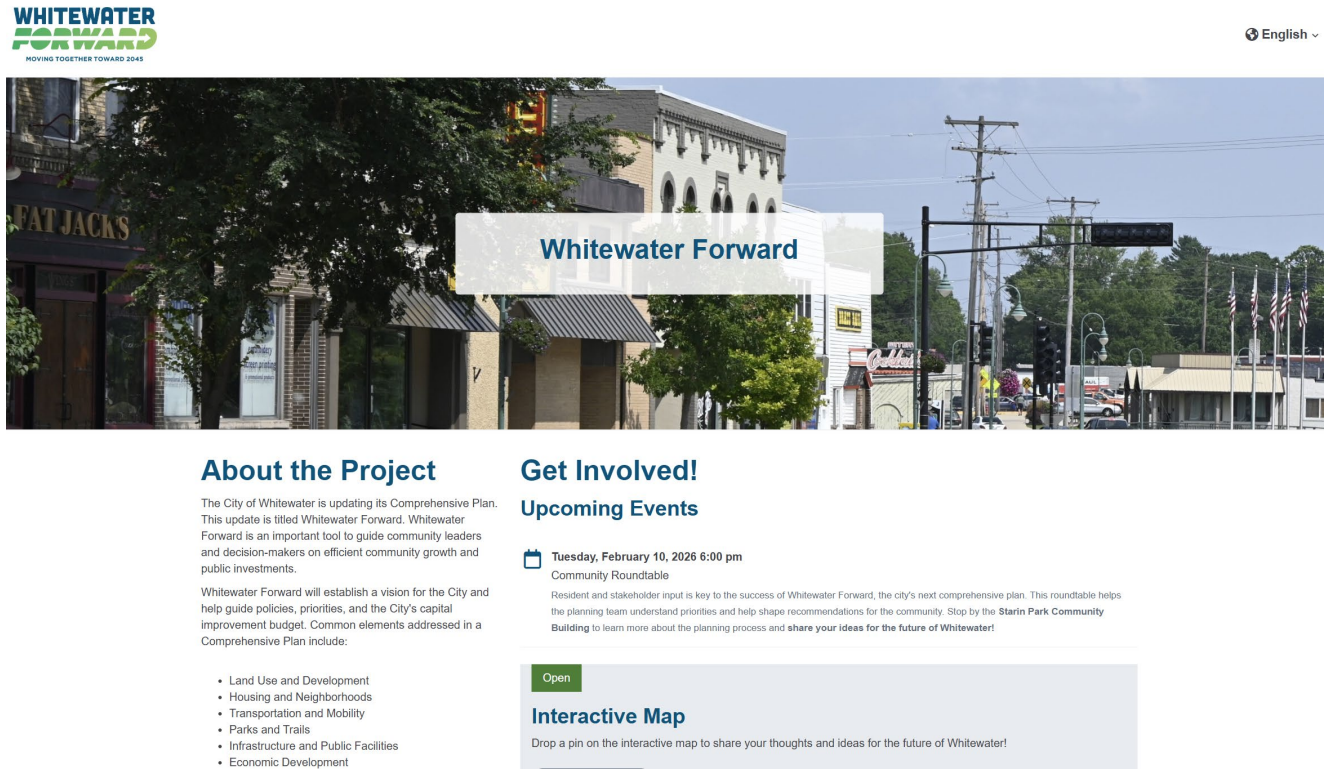
Project Website

- Anytime access
- Interactive mapping
- Social media campaign
- Regular polling questions

Planned Engagements

- Regular Advisory Work Group meetings
- Stakeholder listening sessions
- Polls
- Community events
- Community roundtable and open house
- Committee Land Use Studio
- Community Design Workshop
- Implementation Workshop
- Board Presentations

WhitewaterForward.com



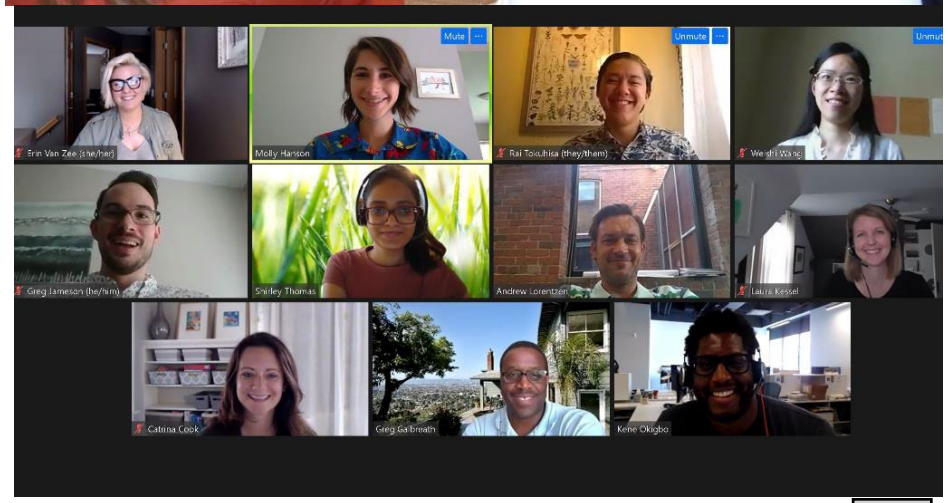
WHITEWATER FORWARD
MOVING TOGETHER TOWARD 2045

RDG PLANNING ● DESIGN

PROCESS

- February/March
  - Local stakeholder discussions
  - Multi-disciplinary
- Groups:
  - Local Government & Planning
    - Council Members
    - Planning Commission Representatives
    - City Planning Staff / Urban Planners
    - County Staff
    - Other department leads based on project focus
  - Business & Economic Development
    - Chamber of Commerce Representative
    - Local Small Business Owner (especially from downtown or core areas)
    - Economic Development Groups
    - Real Estate or Development Professionals
  - Community Voices
    - School District Representative
    - University
    - Arts and Culture Representatives
    - Senior or Retiree Representatives
    - Immigrant Support Organizations
    - Faith-Based Leaders
    - Housing Organization or Advocates
    - Environmental Organization or Advocates
    - Other Social Services or Nonprofit Leaders

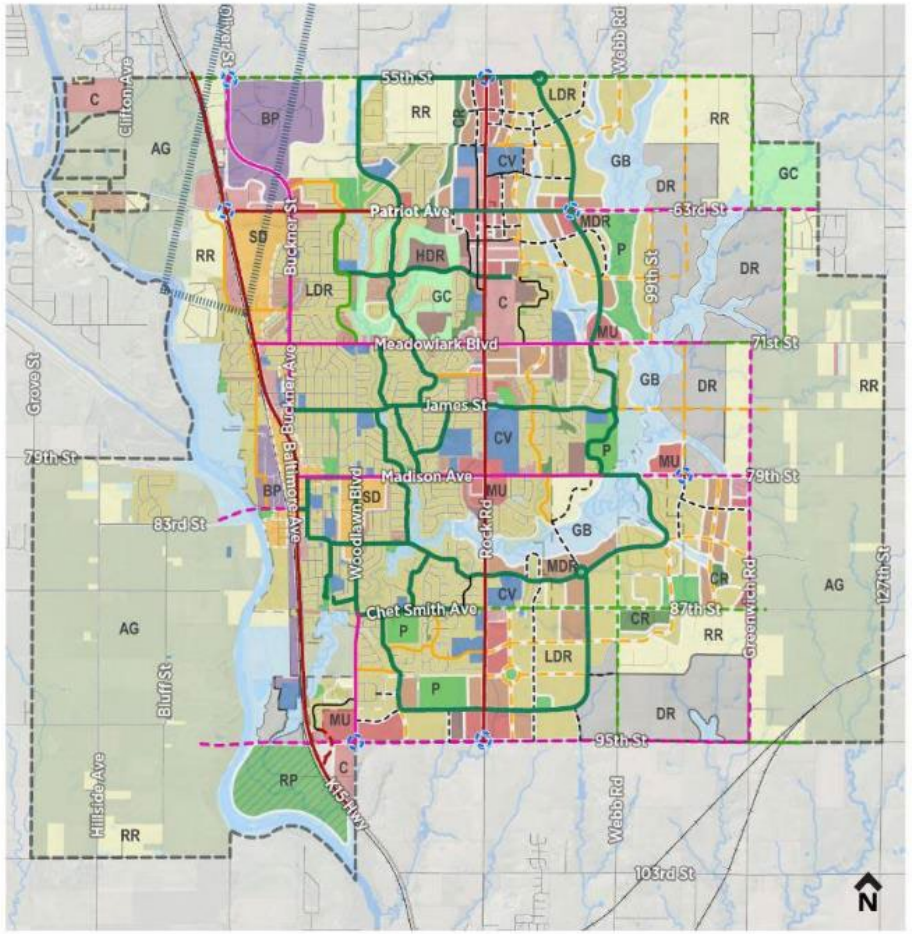




RDG PLANNING ● DESIGN

PROCESS





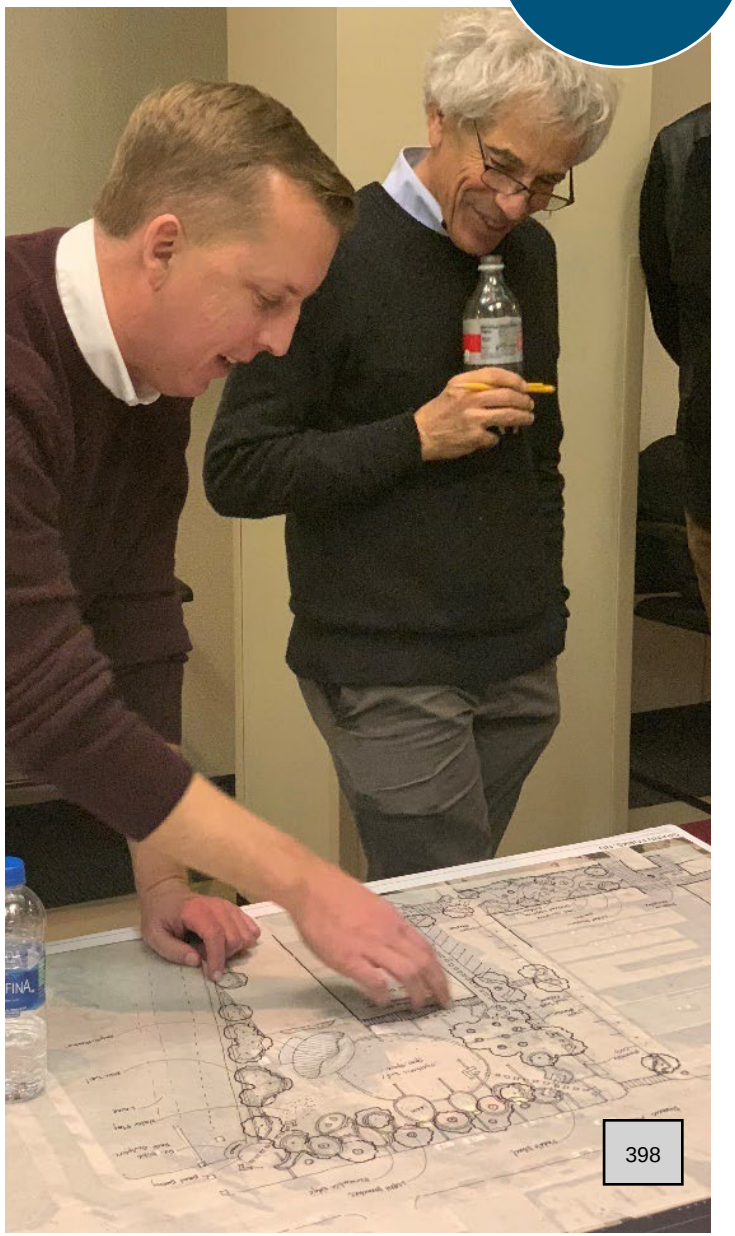
Roads

- Major Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Local Street
- Derby Grand Tour
- Gateway
- Traffic Circle

Proposed

Future Land Use

- RR Rural Residential
- LDR Low Density Residential
- MDR Medium Density Residential
- HDR High Density Residential
- MU Mixed Use
- C Commercial
- BP Industrial/Business Park
- CV Civic
- Accident Potential Zone
- GC Golf Course
- P Park/Open Space
- GB Greenbelt (floodplain)
- RP Regional Park
- CR Conservation Reserve
- AG Agricultural
- SD Special Development Area
- DR Development Reserve
- Subdivision Area Boundary



PROCESS

LAND USE TYPES: MEDIUM DENSITY RESIDENTIAL (MDR)

240-300 Acres Needed: About 540 Acres Shown in the Future Land Use Map





DESCRIPTION:

Neighborhoods that incorporate a mix of housing types, including single-family detached, single-family attached, townhouse, duplexes, and small lot single-family. Civic uses would also generally be allowed. For reference, the density of this district is similar to the traditional neighborhoods around high use areas like the Derby Recreation Center.

POTENTIAL ZONING:

- R-1 Single-Family Residential
- R-1A Single-Family/Zero Lot Line Residential
- R-2 Two-Family Residential
- R-3 Multiple-Family Residential (subject to Design Standards)

INTENSITY (DU/A):

4-12 dwelling units per acre

USES:

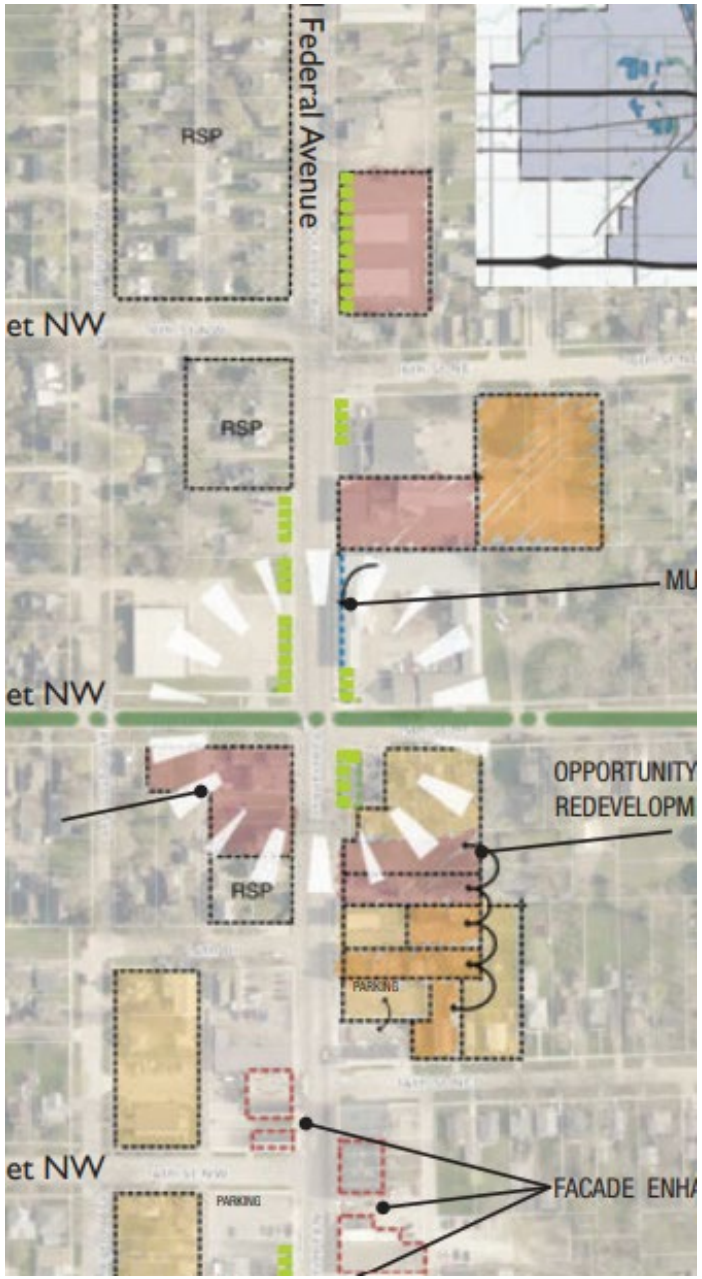
Restrictive land use, emphasizing a mix of housing styles including single-family detached, single-family attached, duplexes, and townhouses. Limited multi-family development may be allowed with special review, generally compatibility achieved through increased attention to traffic circulation and parking, site and building design, and on-site operations. Civic uses are generally allowed, with special review for higher intensity uses.

FORM:

High level of connectivity between and within developments. Connections to neighborhood commercial services and civic destinations should provide a sense of neighborhood. Developments should have articulated scale and maintain the identity of individual units. Densities should be higher at transitions points with other more intensive districts.

COMPATIBILITY (See Design Guides for aids):

Applies to older established neighborhoods of Derby which have diverse housing types, and in developing areas that incorporate a mix of development types. Projects may be incorporated in a limited way into Mixed-Use areas.



WHITEWATER FORWARD
MOVING TOGETHER TOWARD 2045

RDG PLANNING ● DESIGN

PROCESS



Implementation Workshop

- Next Steps for Implementation
- Establish Criteria
- Phasing and Milestones
- Discuss Partnerships

RDG PLANNING ● DESIGN

WHITEWATER FORWARD

MOVING TOGETHER TOWARD 2045

www.WhitewaterForward.com

Take the monthly polls, drop map pins, come see us at the Roundtable!!

City of WHITEWATER

RDG PLANNING ● DESIGN