



A G E N D A
CITY OF WAUPUN PLAN COMMISSION
Waupun City Hall – 201 E. Main Street, Waupun WI
Wednesday, March 23, 2022 at 4:30 PM

The Waupun Plan Commission will meet in-person, virtual and teleconference. Instructions to join the meeting are provided below:

To Join the Zoom Meeting:

<https://us02web.zoom.us/j/86595822862?pwd=N3l4aEpBbnc5UVJPZ00rOUk5OTBNZz09>

Meeting ID: 865 9582 2862

Passcode: 306287

Dial By Location: 312 626 6799 US (Chicago)

CALL TO ORDER

ROLL CALL

PERSONS WISHING TO ADDRESS THE PLAN COMMISSION--*State name, address, and subject of comments. (2 Minutes)*

No Public Participation after this point.

FUTURE MEETINGS AND GATHERING INVOLVING THE PLAN COMMISSION

CONSIDERATION - ACTION

1. Approve minutes of the February 23, 2022 meeting
2. Public Hearing - Conditional Use Permit Application of Stone & Suede LLC at 417 E Main St. to install a projecting sign on the front of the building per Section 16.11(2)(a) and 16.11(5)(e) of the Waupun Municipal Code.
3. Public Hearing - Conditional Use Permit Application of Todd Cupery at 1 W. Main St. to provide residential living quarters on the first floor per Section 16.04(2)(d)(x) of the Waupun Municipal Code.
4. Public Hearing - Conditional Use Permit Application of the City of Waupun to build a new Senior Center at 520 McKinley St. per Section 16.03(4)(d)(ii) of the Waupun Municipal Code.
5. Site plan review for new building at 103 Gateway Dr.
6. Site Plan Review for an addition to 401 Industrial Dr.

ADJOURNMENT

Upon reasonable notice, efforts will be made to accommodate disabled individuals through appropriate aids and services. For additional information, contact the City Clerk at 920-324-7915.



MINUTES
CITY OF WAUPUN PLAN COMMISSION
Waupun City Hall – 201 E. Main Street, Waupun WI
Wednesday, February 23, 2022 at 4:30 PM

The Waupun Plan Commission met at 4:30 pm on Wednesday, February 23, 2022.

CALL TO ORDER

Chairman Nickel called the meeting to order at 4:30 pm.

ROLL CALL

Members Present: Elton TerBeest, Jerry Medema, Jeff Daane, Julie Nickel, and Jon Dobbratz

Members Excused: Mike Matoushek and Jill Vanderkin

Staff Present: Susan Leahy - Zoning Administrator

Others Present: Devin Winter - Excel Engineering, Roxanne Johnson – WCI, and Bill Wheeler

PERSONS WISHING TO ADDRESS THE PLAN COMMISSION--*State name, address, and subject of comments. (2 Minutes)*

None

FUTURE MEETINGS AND GATHERING INVOLVING THE PLAN COMMISSION

There was a request to move the March meeting up by 2-3 weeks. The next meeting will be on Wednesday, March 23, 2022 at 4:30 pm.

CONSIDERATION - ACTION

1. Approve minutes of the January 10, 2022 Plan Commission meeting.
Motion by Dobbratz, 2nd by Medema to approve the minutes of the January 10, 2022 meeting. Motion carried, unanimously.
2. Public Hearing - Conditional Use Permit application of Central Wisconsin Christian School for a proposed addition to the middle school. Per Municipal Code Section 16.03(1)(d)(i) of the Waupun Municipal Code.

Mayor Julie opened the public hearing. The Central Wisconsin Christian School property at 301 Fox Lake Rd. is zoned in the R-1 Single Family Residential District. Schools are listed as a conditional use in that district. They are proposing a 4,000+ sq. ft. addition. There were no questions asked in the public hearing, so Chairman Nickel closed the public hearing and asked for a motion.

Motion by Daane, 2nd by Medema to approve the Conditional Use Permit of Central Wisconsin Christian School for an addition onto the existing school building.

Vote: TerBeest, Medema, Daane, Nickel, Dobbratz – “AYE”
Motion carried, unanimously.

3. Site Plan Review for Central Wisconsin Christian Schools at 301 Fox Lake Rd.
Devin with Excel Engineering appeared and discussed site plan for Central Wisconsin Christian School at 301 Fox Lake Rd. for a 4000+ sq. ft. addition. They will be closing the access to the property from Visser Ave. MSA has not completed the final review of the stormwater plans yet. There was a concern from 910 Visser Ave. about stormwater during rain events. Jeff stated that the inlet near the school had inlet protection in yet restricting some flow, this has been removed. Landscaping plans have been approved. No further questions or comments were asked so Chairman Nickel called for a motion.

Motion Nickel, 2nd Dobbratz to approve the Site Plan for Central Wisconsin Christian School at 301 Fox Lake on the condition that the City receives the final approval on the stormwater plans from MSA.

Vote: TerBeest, Medema, Daane, Nickel, Dobbratz – “AYE”

Motion carried, unanimously.

4. Site Plan Review - Waupun Correctional Institution - Off Street Parking
Roxanne presented for WCI. They acquired the property from Pella Church that is located across the street from the prison on S. Madison St. They are taking down the garage, widening the approach. There are 20 proposed parking stalls. The project will be completed in September of 2022. This was submitted to MSA for stormwater review. With size of the site being small and if they would install any stormwater facilities it would drastically decrease the number of parking stalls that could be installed, MSA suggested we forgo the requirement. Storm water will be running to inlets to the north and tying into inlet on Madison St. The driveway approach was just installed during road construction project. They want to move the driveway approach and instead of moving it, they will go to the board of public works to receive approval to make driveway approach larger. Landscaping was discussed. They had initially proposed native grasses, however have since changed the plan to lawn grass now. The City would prefer regular lawn and not native grasses as we could receive complaints about that in the natural habitat because it grows longer than the 6” stated in our Noxious Weed Ordinance.

No other comments or questions were asked so Chairman Nickel called for a motion on the Site Plan.

Motion by Dobbratz, 2nd by Nickel to approve the site plan for the parking lot for Waupun Correctional Institution as presented.

Vote: TerBeest, Medema, Daane, Nickel, Dobbratz – “AYE”

Motion carried, unanimously. .

5. Certified Survey Map Review - 523 & 521 Bronson St
CSM Review - Bill Wheeler from 523 Bronson St. appeared and discussed the Certified Survey Map. They are proposing to sell the south 100 feet of the west 23.5 feet of their property to the landowner to the west at 521 Bronson St. to square up the lots. There were no concerns from the Board so Chairman Nickel called for a motion.

Motion by Medema, 2nd by TerBeest to recommend approval by the Common Council of the Certified Survey Map of 523 and 521 Bronson St.

Vote: TerBeest, Medema, Daane, Nickel, Dobbratz – “AYE”

Motion carried, unanimously.

ADJOURNMENT

Motion by Daane, 2nd by Nickel to adjourn meeting. Meeting adjourned at 4:49 pm.

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN, that at a meeting of the Plan Commission of the City of Waupun, to be on Wednesday the 23rd day of March, 2022 at 4:30 pm, there will be considered the application for a Conditional Use Permit of:

1. Stone & Suede LLC at 417 E Main St. to install a projecting sign on the front of the building per Section 16.11(2)(a) and 16.11 (5)(e) of the Waupun Municipal Code.
2. Todd Cupery at 1 W Main St. to provide residential living quarters on the first floor per Section 16.04(2)(d)(x) of the Waupun Municipal Code.

The meeting will be held in person, virtual and teleconference.

To Join Zoom Meeting:

<https://us02web.zoom.us/j/86595822862?pwd=N3l4aEpBbnc5UVJPZ00rOUk5OTBNZz09>

Meeting ID: 865 9582 2862

Passcode: 306287

By Phone: 312 626 6799 US (Chicago)

PLEASE TAKE FURTHER NOTICE that all persons desiring to be heard on the proposed Conditional Use in support thereof or in opposition thereto, must contact the Zoning Administrator prior to said meeting of the Plan Commission of the City of Waupun.

Dated this 2nd day of March, 2022

Susan Leahy
Zoning Administrator
City of Waupun

(PUBLISH March 16, 2022)

Fee: \$150.00

Paid: Cash

Date: 12-21-21



CITY OF WAUPUN
201 E. Main Street
WAUPUN, WISCONSIN 53963

Conditional Use Permit Application

From: Stone+Suehle LLC - Lauren Tillema and Janelle Kartchner
lauren.tillema@gmail.com (business name or individual)
920-382-9392

Property Description and address:

417 E Main St Waupun, WI 53963
Retail Store

Conditional Use Requested:

Projection sign on the front of our building.

Zoning Ordinance Section Involved:

16.11 (2a) PROJECTING SIGNS SHALL BE PERMITTED ONLY AS A
CONDITIONAL USE IN ALL BUSINESS DISTRICTS & INSTITUTIONAL DISTRICTS

16.11 (5) (c) NO SIGN SHALL PROJECT FROM THE STRUCTURE TO WHICH IT IS ATTACHED,
UNLESS PERMITTED AS A CONDITIONAL USE

Date Presented to Plan Commission:

CONDITIONAL USE: ☐ Granted ☐ Denied

Comments:

Signature of Applicant (s)

Lauren Tillema
Janelle Kartchner

Sherwin Williams
Sashay Sand
SW6051
R:207G:180B:168
Hex Value:#cfb4a8



Double Sided Exterior Sign

Digital print on 3M white vinyl

Laminated and applied to substrate

Substrate: 6mm ACM (aluminum composite material)

Size of sign: 48"W x 29"H

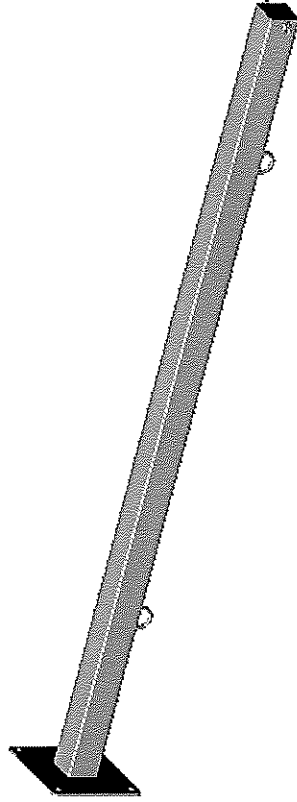
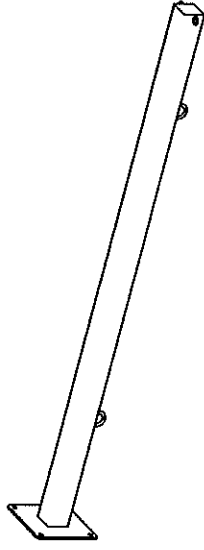
Qty: 1

Arm bracket specs on next page

Price: \$550.00

Installation by customer

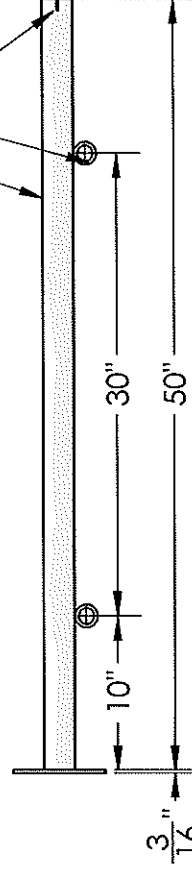
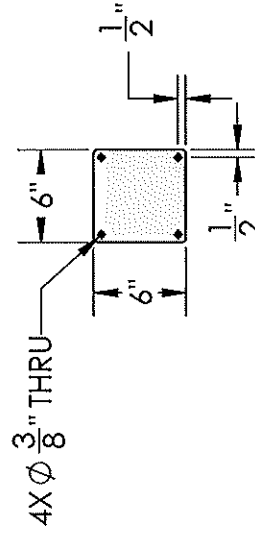
REVISIONS			
REV.	DESCRIPTION	DATE	CB
A	ORIGINAL DRAWING	4/22/2016	CF



2" STEEL
SQUARE TUBE

Ø 1-1/2" OD
BRACKET RING

(2) GUY
WIRE RING



SIDE VIEW

FRONT VIEW

Material: Steel

Scale: 1:12

DB: CF

Rev: A

Sheet: 1 of 1

Content: 50" Universal Straight Arm Bracket w/Rings

PN: 379B-50-WR

Color/Finish: Textured Black Powder Coat

Customer Approval: _____

Design by Sign Bracket Store. All visual representations and designs are the intellectual property of Sign Bracket Store and protected under copyright law. Any duplication of this design is in direct violation of the law and will result in legal action.

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1. Stone & Suede LLC at 417 E Main St. to install a projecting sign on the front of the building per Section 16.11(2)(a) and 16.11 (5)(e) of the Waupun Municipal Code.
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Meeting ID: 865 9582 2862

Passcode: 306287

By Phone: 312 626 6799 US (Chicago)

PLEASE TAKE FURTHER NOTICE that all persons desiring to be heard on the proposed Conditional Use in support thereof or in opposition thereto, must contact the Zoning Administrator prior to said meeting of the Plan Commission of the City of Waupun.

Dated this 2nd day of March, 2022

Susan Leahy
Zoning Administrator
City of Waupun

(PUBLISH March 16, 2022)

Fee: \$150.00 Paid: \$150.00 Date: February 2, 2022



CITY OF WAUPUN
201 E. Main Street
WAUPUN, WISCONSIN 53963

Conditional Use Permit Application

Applicant Name: Todd Cupery Phone #936-648-4822

Address: 13 South Watertown Street E-mail: tcupery@yahoo.com

City, State, Zip Waupun, WI 53963

Property Description and address:

1 West Main Street

Conditional Use Requested:

Provide residential living quarters on first floor for Owner

Zoning Ordinance Section Involved:

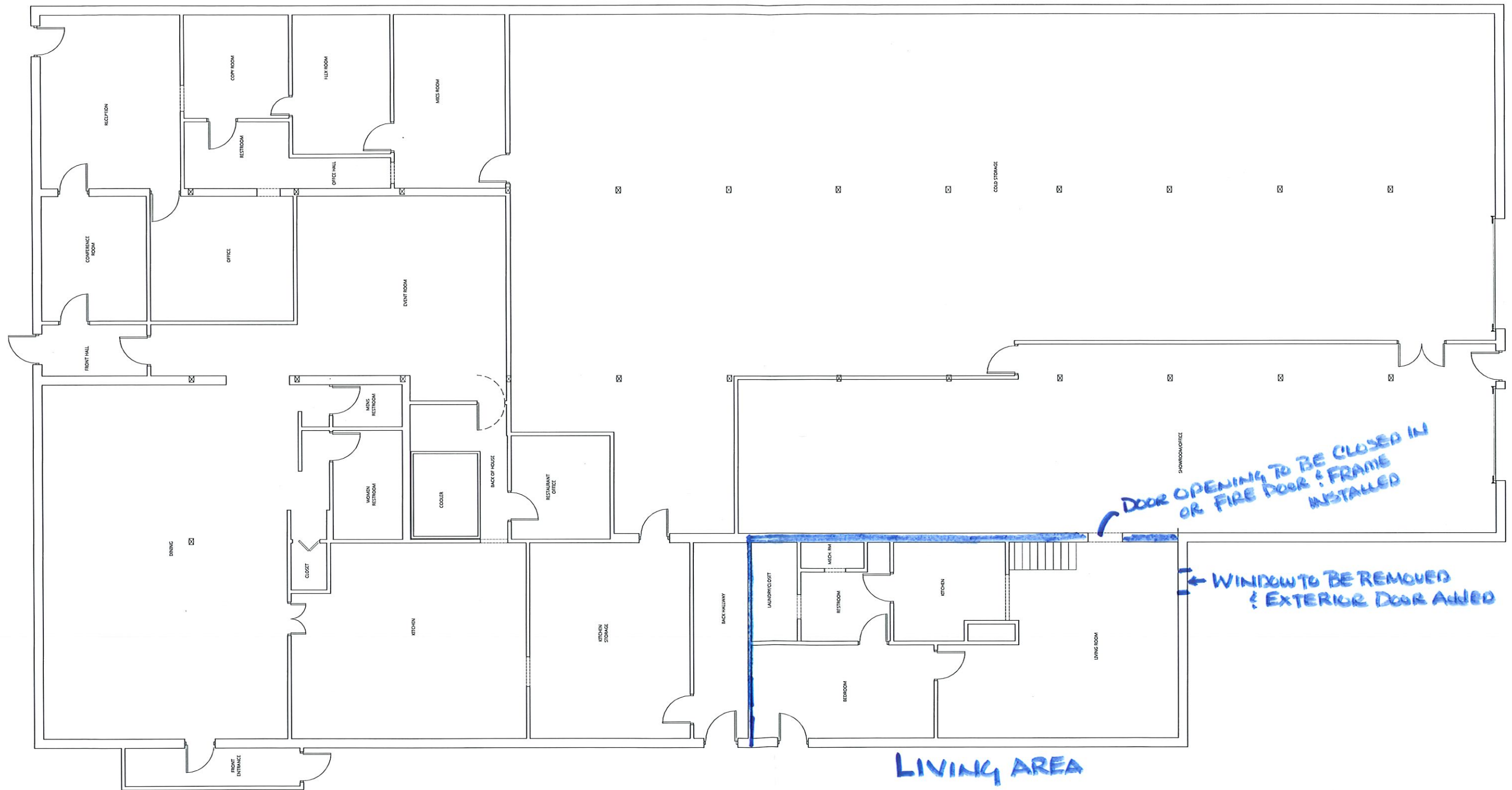
16.04 (2) (d) (X) Residential units located upon the first floor

Date Presented to Plan Commission:

CONDITIONAL USE: ☐ Granted ☐ Denied

Comments:

Signature of Applicant (s)



NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN, that at a meeting of the Plan Commission of the City of Waupun, to be on Wednesday the 23rd day of March, 2022 at 4:30 pm, there will be considered the application for a Conditional Use Permit of:

1. City of Waupun to build a new Senior Center at 520 McKinley St. per Section 16.03(4)(d)(ii) of the Waupun Municipal Code.

The meeting will be held in person, virtual and teleconference.

To Join Zoom Meeting:

<https://us02web.zoom.us/j/86595822862?pwd=N3l4aEpBbnc5UVJPZ00rOUk5OTBNZz09>

Meeting ID: 865 9582 2862

Passcode: 306287

By Phone: 312 626 6799 US (Chicago)

PLEASE TAKE FURTHER NOTICE that all persons desiring to be heard on the proposed Conditional Use in support thereof or in opposition thereto, must contact the Zoning Administrator prior to said meeting of the Plan Commission of the City of Waupun.

Dated this 8th day of March, 2022

Susan Leahy
Zoning Administrator
City of Waupun

(PUBLISH March 16, 2022)

Fee: \$150.00 Paid: _____ Date: _____



CITY OF WAUPUN
201 E. Main Street
WAUPUN, WISCONSIN 53963

Conditional Use Permit Application

From: City of Waupun

(business name or individual)

Property Description and address:

520 McKinley St

Conditional Use Requested:

Build a new Senior Center

Zoning Ordinance Section Involved:

16.03(4)(d)(ii). Conditional Uses - Recreational and community center buildings

Date Presented to Plan Commission: _____

CONDITIONAL USE: ☐ Granted ☐ Denied

Comments:

Signature of Applicant (s) _____

MRV ARCHITECTS, INC.

5105 Tollview Dr., Suite 201, Rolling Meadows, IL 60008

Ph. (224) 318-2140 Email: ErikV@mrvarch.com

March 15, 2022

Susan Leahy - Building Inspector / Zoning Administrator
City of Waupun - City Hall
201 E Main Street
Waupun, WI 53963

Project Address: 103 Gateway Drive, Waupun, WI

Dear Susan Leahy,

On behalf of our client Dairyland Operations, LLC we are pleased to present to you their new proposed Dunkin' Donuts freestanding building located at 103 Gateway Drive, Waupun, WI.

The site will consist of a new 1,890 SF building with a drive-thru lane for quick on-the-go service. The drive-thru lane has been designed to prevent the drive-thru stack from extending onto Gateway Dr or conflicting with on-site circulation. A waiting space will be provided for those whose orders may require more extended preparation to further assist with the continuous flow at the drive-thru window. For those who would like to dine in, 22 parking spaces will be provided. A new sidewalk connection will be made to the public sidewalk along Gateway Rd. Outdoor patio seating will be provided to customers for place to eat during the warmer parts of the year.

Additional site improvement will include trash enclosure, site lighting, directional signage, drive-thru equipment, and landscaping. A new pylon signage will be provided to assist the public locate the site from the city's streets and US Highway 151. Green spaces and a Denton basin will be provided on site to reduce additional loads on the City's stormwater system and beautify the area. To reduce heat island effect trees will be planted around hardscape on site. Additional landscaping has also been introduced along the south property line in order to assist in potential minimal glare and noise from thru speaker.

The building has been design using the Brand's latest building design and finish materials. Along with this the building has been ordinated so that the main façade is facing towards the street while maximizing visibility of building signage. Glazing has been maximized where possible throughout dining space to provide better indoor dining experience. Foundation planting will be planted where possible along the building to assist softening the connection between the building foundation and the adjacent grading.

We appreciate the opportunity to bring this project to your attention, and we look forward to following the procedures for approval. Please feel free to call or reply with any questions or comments.

Sincerely,

Erik Valiulis
LEED Green Associate
MRV Architects, Inc.

SITE CONSTRUCTION PLANS FOR DUNKIN' CITY OF WAUPUN, WISCONSIN

VICINITY MAP



DEVELOPER:

The Kardo Group, Inc.

Kardo Rasha
3209 York Road
Oak Brook, IL 60523

ARCHITECT:

MRV Architects, Inc.

Erik Valiulis
5105 Tollview Dr., Suite 197
Rolling Meadows, IL 60008
(224) 318-2140 office

ENGINEER:

Site Engineering Services

Martin D. Worden, PE
2920 Oakwood Road
Hartland, WI 53029
(262) 367-4960 office
marty.worden@att.net email



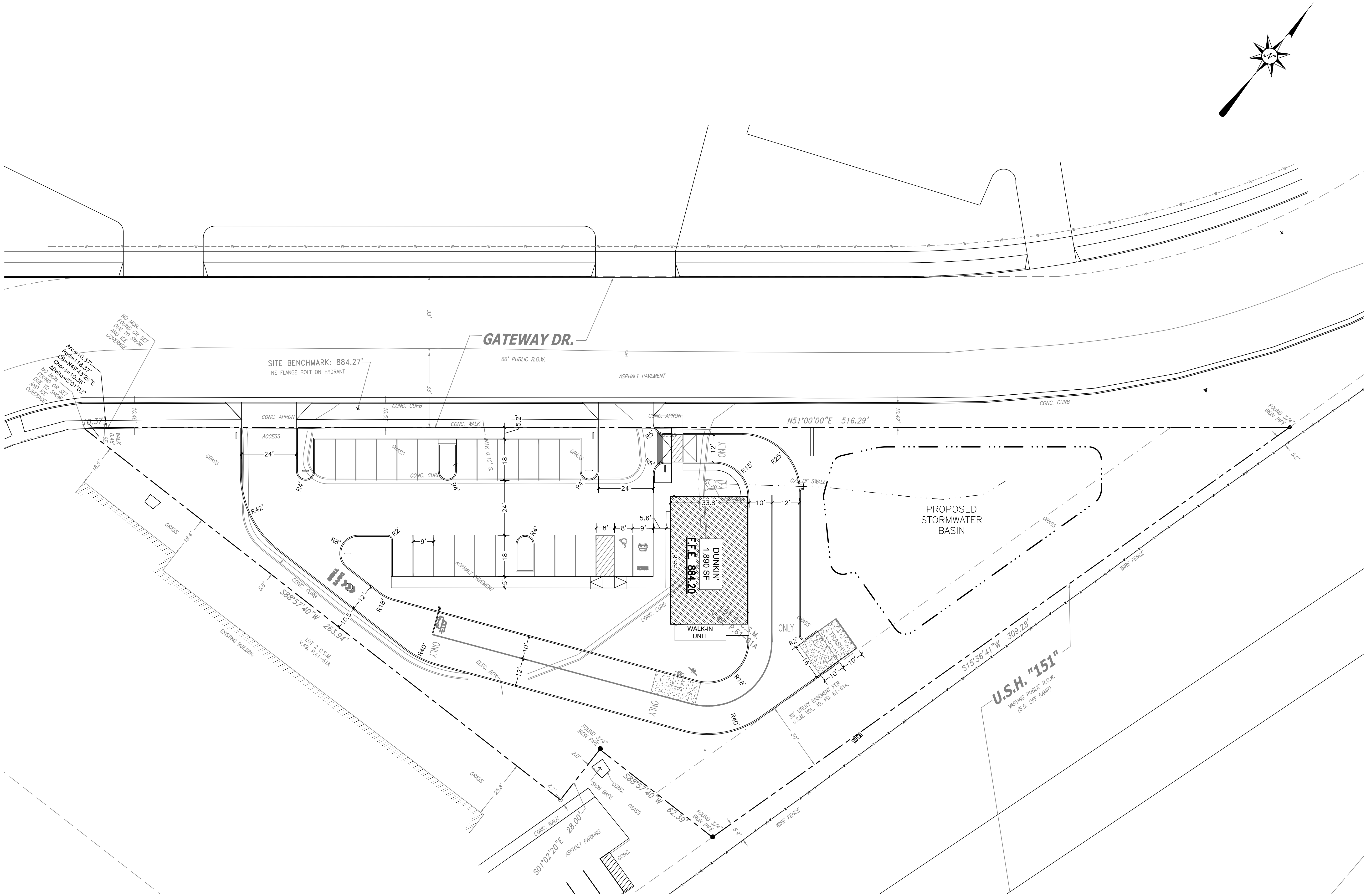
PLAN INDEX


SHEET NO.	DESCRIPTION
CE-1	COVER SHEET
CE-2	SITE PLAN
CE-3	GRADING & EROSION CONTROL PLAN
CE-4	PLUMBING PLAN
CE-5	SPECIFICATIONS & DETAILS
CE-6	SPECIFICATIONS & DETAILS

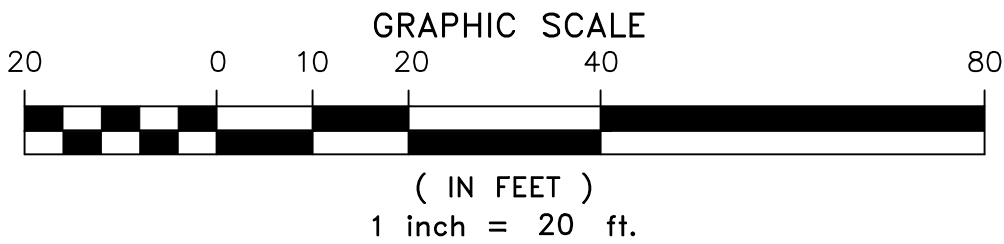
PLAN DATE: February 4, 2022

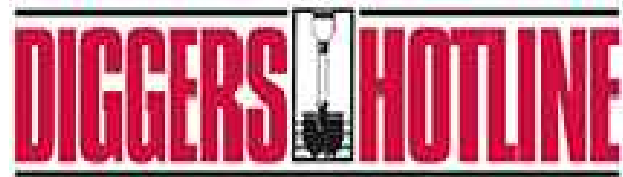
REVISIONS	ISSUE DATE	SHEET NO.'S	ISSUED FOR:

SCALE:
PROJECT NO. 21056
DATE: 2/04/2022
SHEET NUMBER
CE-1

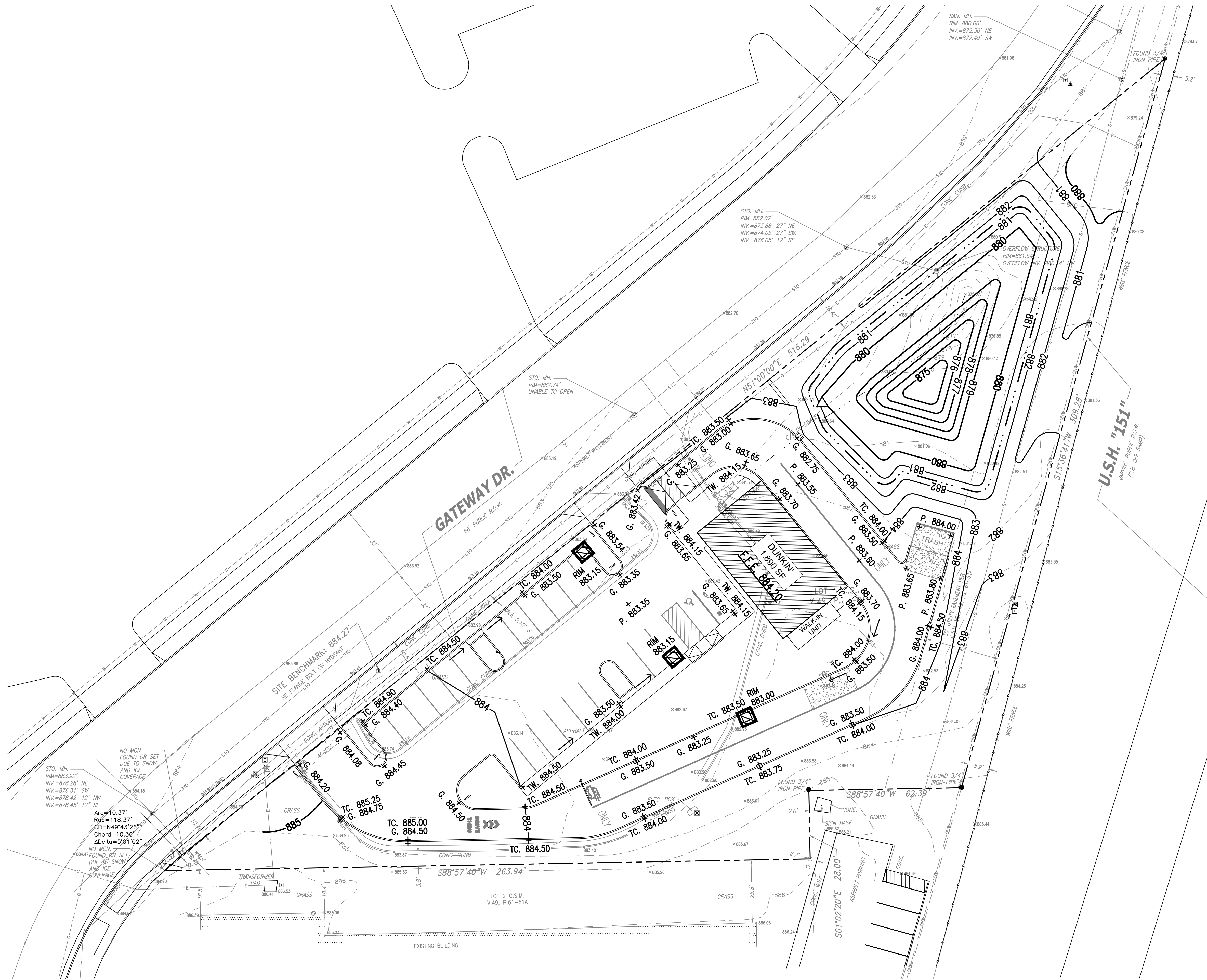


SITE PLAN for Dunkin'		Site Engineering Services		PROJECT TEAM		ISSUE		DESCRIPTION		DATE	
103 Gateway Drive City of Waupun, Fon Du Lac County, Wisconsin 53963		 2920 Oakwood Road Hartland, WI 53029 262-367-4960 office martin.worden@att.net email Martin D. Worden, PE Civil Engineer/Consultant		PROJECT MANAGER: intals		-					
				DESIGNER: intals							
				CAD TECHNICIAN: LDH							
SCALE: 1"= 20'											
PROJECT NO. 21056											
DATE: 2/04/2022											
SHEET NUMBER											
CE-2										ADDED: PARKING SUMMARY	
										4/07/2016	





Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

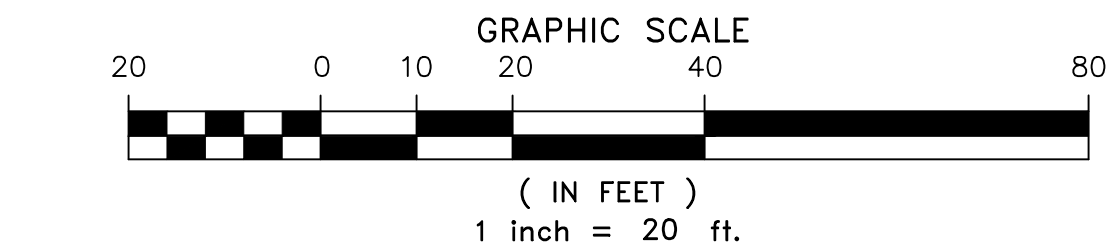


LEGEND

- +P. 61.50 PAVEMENT GRADE
- +G. 61.50 GUTTER GRADE
- +T.C. 61.50 TOP OF CURB GRADE
- ◻ RIM 61.50 PROPOSED CATCH BASIN/ELEV 62
- 62 PROPOSED CONTOURS
- 62 EXISTING CONTOURS
- X — SILT FENCE
- ◻ INLET GRATE SCREEN
- ▨ TRACKING PAD

THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

TOPOGRAPHIC SURVEY PROVIDED BY:
CHAPUT LAND SURVEYS
234 WEST FLORIDA STREET
MILWAUKEE, WI 53204
DATED 1/20/2022 BY: DONALD C. CHAPUT, PLS



GRADING & EROSION CONTROL PLAN

for
Dunkin'

103 Gateway Drive
City of Waupun, Fon Du Lac County, Wisconsin 53963

Site Engineering Services

2920 Oakwood Road
1st Floor
Milwaukee, WI 53209
262-367-4960 office
marty.worden@siteengservices.com email
Martin D. Worden, PE
Civil Engineer/Consultant

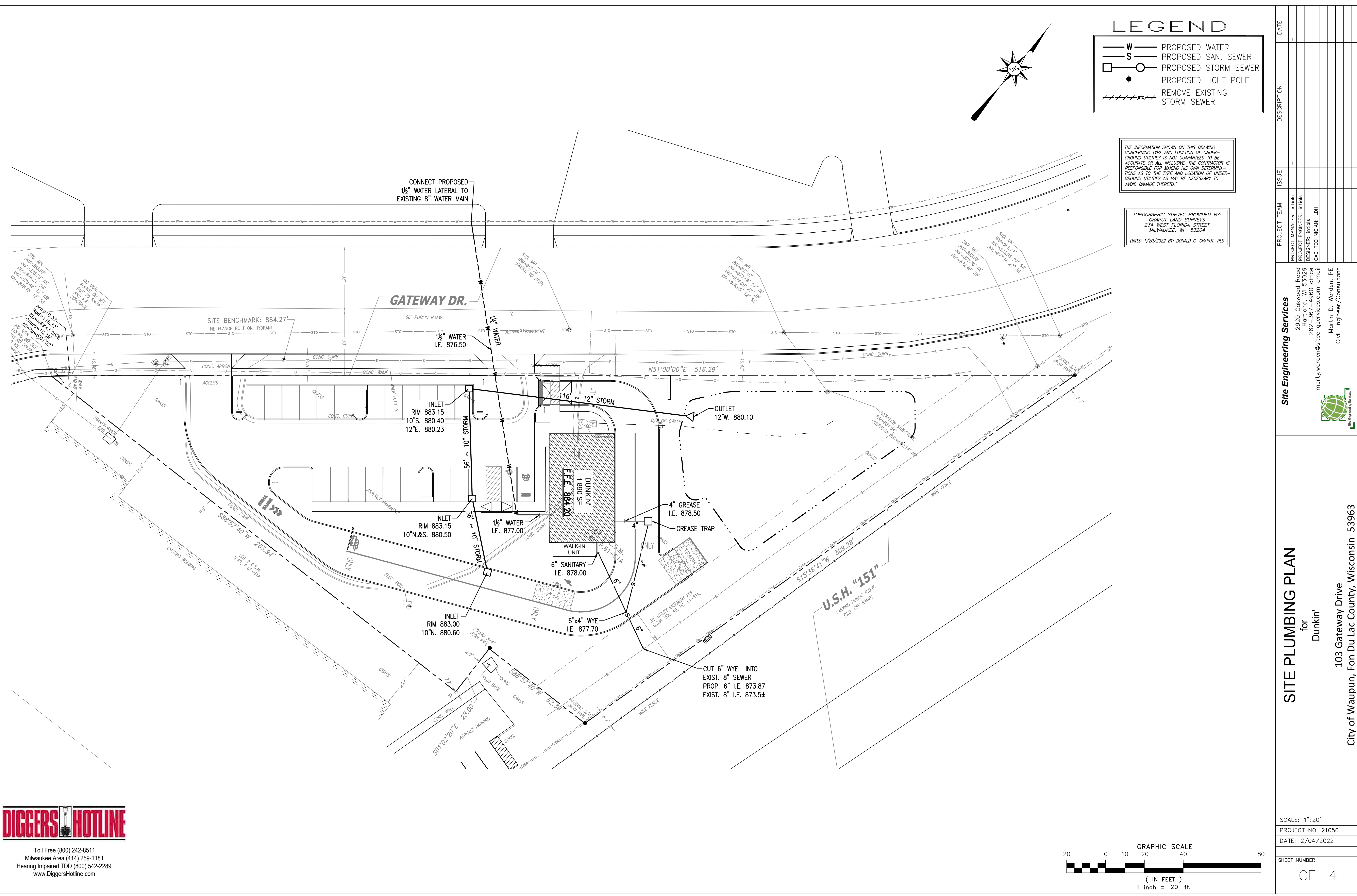


DATE	DESCRIPTION	ISSUE	PROJECT TEAM
			PROJECT MANAGER: initials
			PROJECT ENGINEER: initials
			DESIGNER: initials
			CAD TECHNICIAN: LDH

SCALE: 1"=20'
PROJECT NO. 21056
DATE: 2/02/2022

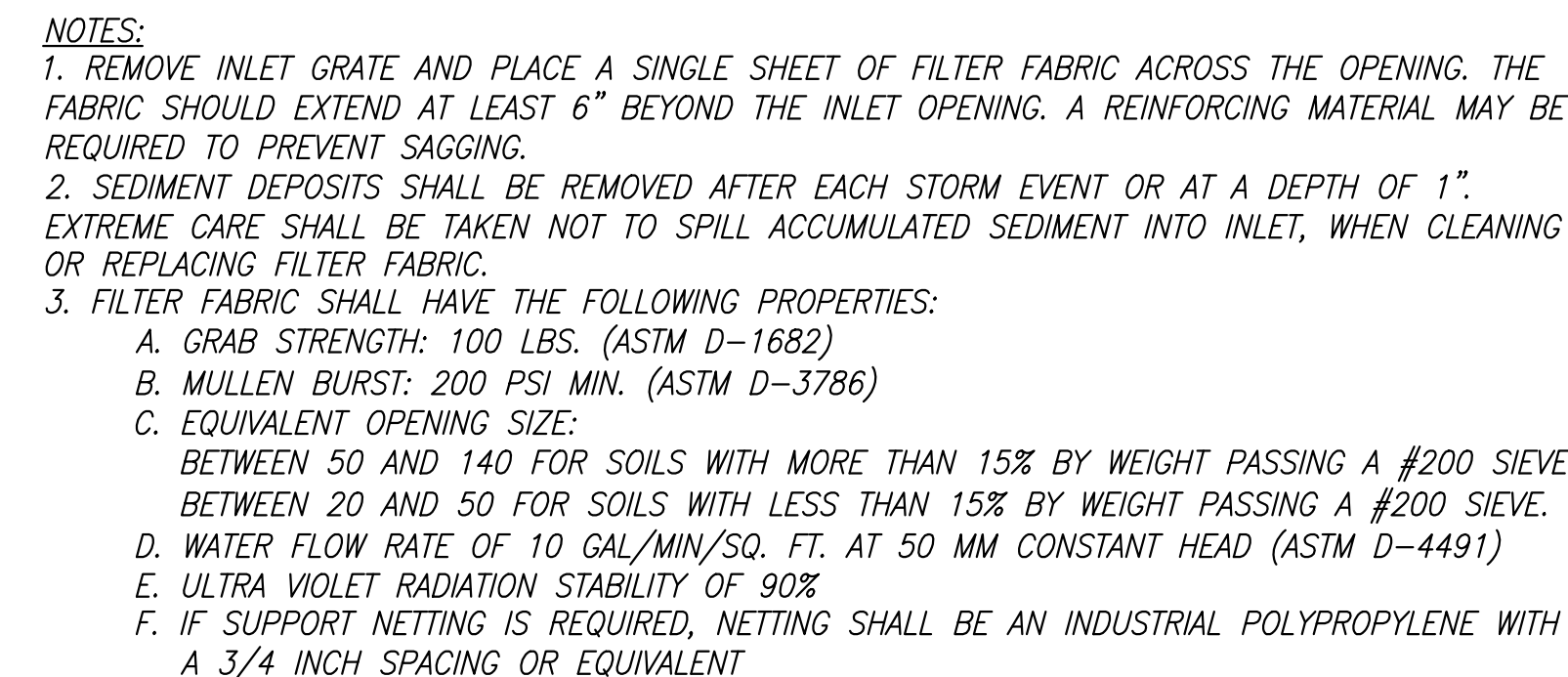
SHEET NUMBER

CE-3



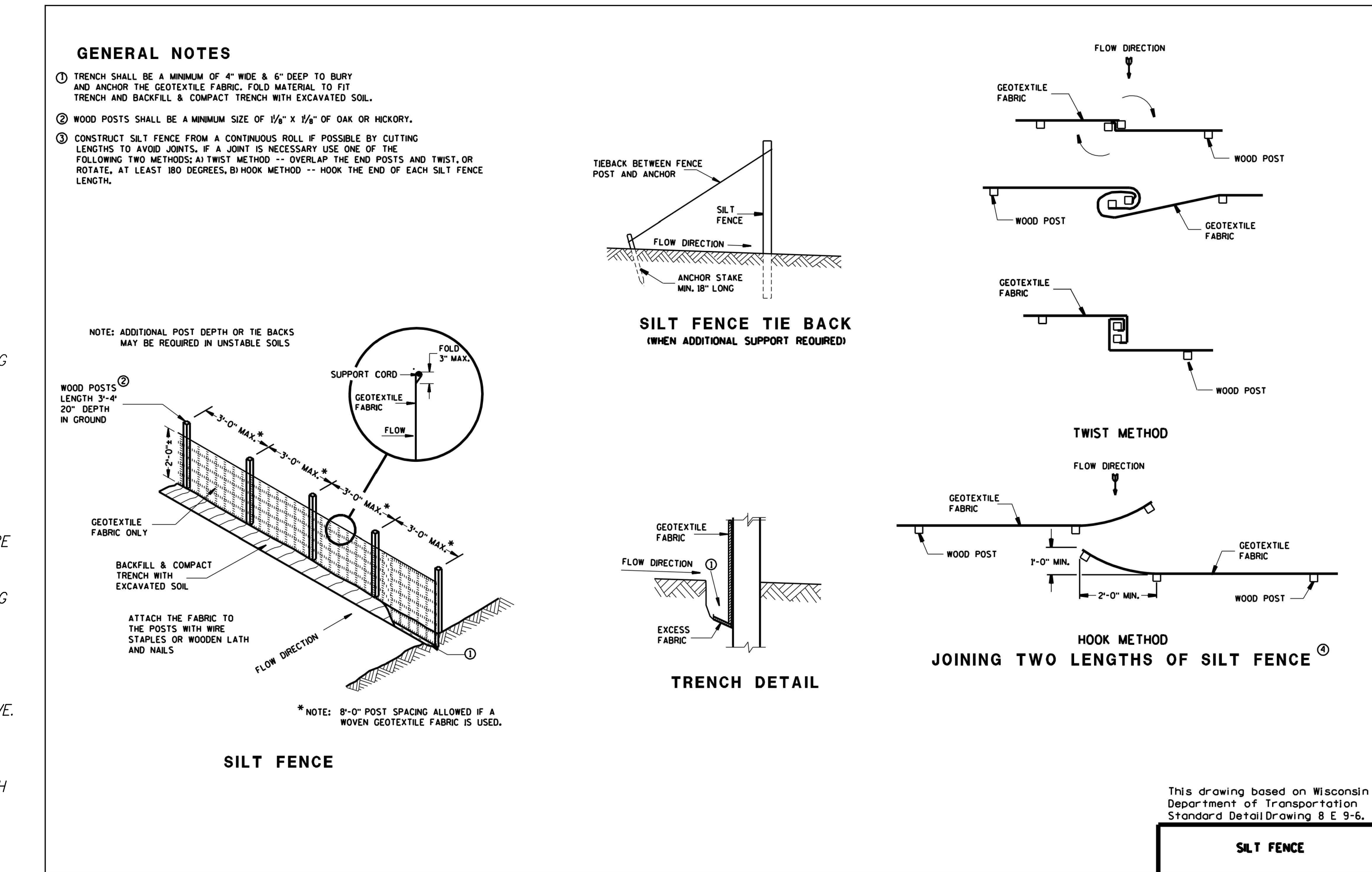
1. No fill shall be placed on a wet, or soft, substrate. The subgrade shall be proof rolled before any base material is placed.
2. The Contractor shall maintain site drainage throughout the construction period. This may include the excavation of temporary ditches, or pumping to alleviate water ponding.
3. The Contractor shall notify the project owner and the municipality forty-eight (48) hours prior to the start of construction.
4. The Municipality shall have the authority to inspect, approve, and reject the construction of the improvements detailed in this project.
5. The Contractor shall indemnify the owner, the Engineer, the Municipality, and their agents from all liability involved with the construction, installation, and testing of the work on this project.
6. The Bidder shall be solely responsible for determining quantities, and shall state such quantities in his proposal. He shall base his bid on his own estimate of the work required and shall not rely on the Engineer's Opinion of quantities.
7. The Contractor is responsible for verifying soil conditions prior to the start of construction. A Geotechnical Report may be available from the Owner.
8. The Contractor is responsible for examining all site conditions prior to the start of construction. If site conditions do not match the plans, the Contractor shall notify the Owner and Engineer immediately, to allow for possible plan revisions.
9. The Contractor shall obtain and pay for all permits required to perform the work. The Contractor shall conduct his work according to the requirements of the permits.
10. The Contractor is responsible to field verify all utility information shown on the plans prior to the start of construction. The Contractor shall call Digger's Hotline to notify the utilities of his intentions, and to request field marking of all existing utilities.
11. Silt fence, inlet screens, and other erosion control facilities shall be installed prior to construction, or other land disturbing activity.

1. The proposed improvements shall be constructed according to the Wisconsin Standard Specifications for Road and Bridge Construction, latest edition, and the local ordinances and specifications.
2. Grading shall consist of installation and maintenance of erosion control measures, stripping topsoil and vegetation, storage and replacement of topsoil, excavation, borrow, haul, placement, of fill material, pick-up and placement of excess utility trench and footing spoils, soil compaction, fine grading, removal of excess soil from the site, and final clean-up. All materials shall be provided by the contractor.
3. Erosion Control shall consist of installation and maintenance of erosion control measures, silt fence, tracking mat, inlet screens, erosion mat, straw bales, seeding, and final clean-up. All materials shall be provided by the contractor.
4. Topsoil, and any other unsuitable soils, shall be removed prior to placing any structural fill material. All fill materials shall meet the project specifications, or be approved by the Owner's Geotechnical Engineer.
5. Place and compact satisfactory soil material in layers (maximum 10" lift thickness) to required elevations. Use solid material free of debris, vegetable matter, waste, and frozen materials, and free of particles larger than 2 inches in any dimension. Non-organic, structurally sound soils that are excavated on-site may be re-used as structural fill on-site, as directed by the Geotechnical Engineer. If sufficient volumes of on-site structural fill is not available, Contractor shall import clean structural fill material from off-site.
6. A Landscaping Plan is available from the Owner to show the final treatment of landscaped areas of the site.
7. Geotextile Fabric: Non-woven geotextile fabric with a minimum weight of 4 ounces per square yard. Acceptable products include: Geotex NW-401, by SI Geosolutions, and 120 NW, by US Fabric.

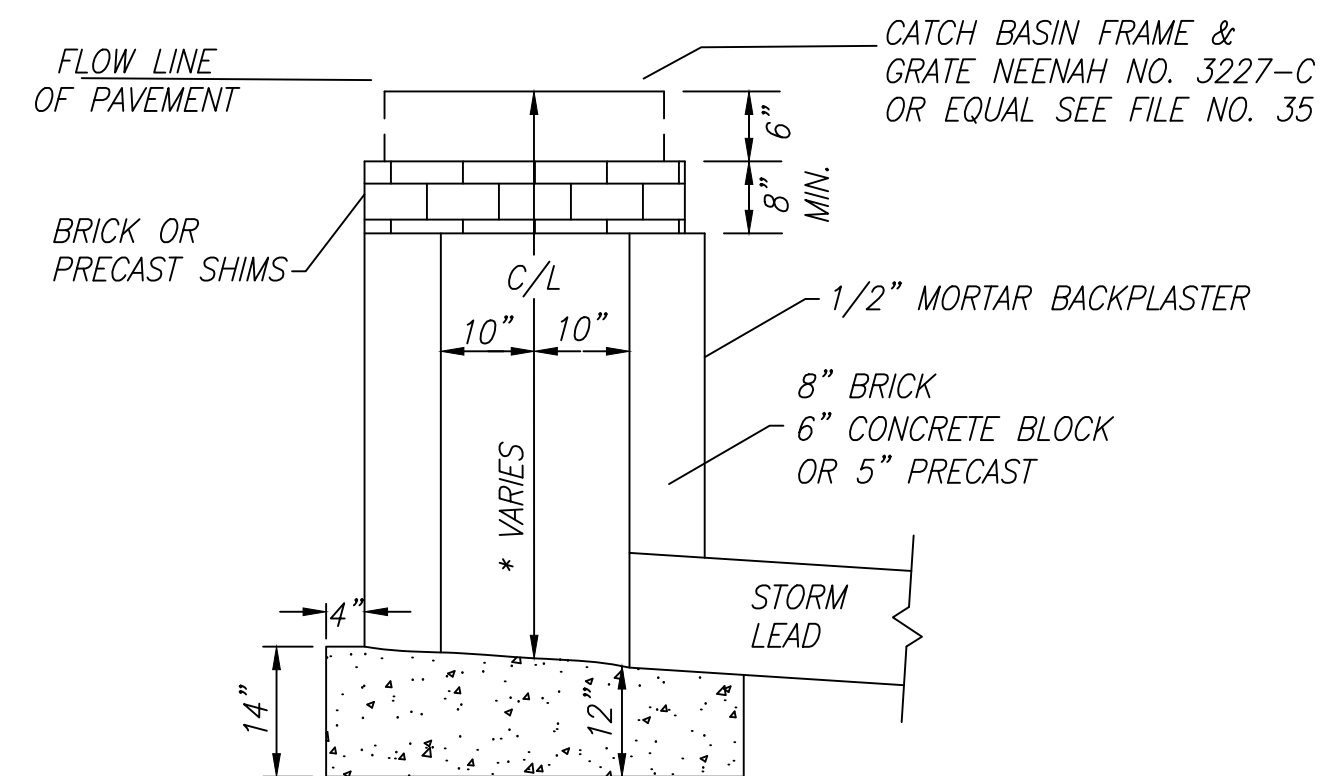


1. The proposed improvements shall be constructed in accordance with the Wisconsin Administrative Code, latest edition, the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition, and the local ordinances and specifications.
2. Materials for private water laterals shall be as follows:
 - HDPE pipe shall conform to SDR11 – PIPS, and shall be one continuous piece from the ROW to the building. A continuous tracer wire shall be installed for the length of the water lateral.
 - Valve boxes shall be Tyler or East Jordan "DD" three piece, with adapters.
 - Bedding and cover material for water lateral trench shall be sand.
3. The Contractor shall pressure test, chlorinate, and obtain a safe water sample before the water lateral, can be placed in service.
4. Materials for both sanitary sewer, and storm sewer pipe, manholes, and inlets, shall be as follows:
 - Pipe 12" diameter and larger shall be reinforced concrete, ASTM C-76, or HDPE, ASTM 2648.
 - Pipe smaller than 12" diameter shall be PVC, SDR-35, ASTM D-3034 with rubber gasket joints.
 - Trench section shall be Class B for sanitary sewer, Class C for storm sewer.
 - Manholes and inlets shall be precast concrete, ASTM D-478. Sanitary manholes shall have rubber joints, and chimney seals meeting ASTM C-923.
 - Castings for manholes and inlets shall be cast iron, Neenah or approved equal. All castings in pavement shall be "heavy duty".
5. All adjustments to manholes and inlets shall be made with precast concrete rings, or concrete brick. All manholes shall include at least one precast adjusting ring, for future adjustment. The maximum adjustment shall not exceed 12".
6. All connections to existing structures shall be cored connections.
7. The Contractor shall barricade all open excavations, especially during non-working hours.
8. Extreme caution must be followed regarding the compaction of all utility trenches. Compacted granular backfill is required in all utility trenches that are located within 5 feet of a building, pavement, or sidewalk. The cost of this material is considered incidental and shall be included in the cost of the proposed utility.
9. The Contractor is responsible for providing the Owner with a set of marked-up plans showing all changes made during the construction process.
10. A minimum 18 gauge, insulated, single-conductor, copper tracer wire shall be installed along the length of all non-metallic pipe. Tracer wire shall be installed 6" above the pipe and shall be accessible at all manholes, inlets, valves and hydrants. Tracer wire insulation color shall be blue for water, green for sanitary, and brown for storm sewer. Tracer wire conductivity shall be tested prior to installation.

1. The proposed improvements shall be constructed according to Wisconsin Standard Specifications for Road and Bridge Construction, latest edition, and the local ordinances and specifications.
2. Paving shall consist of fine grading and final compaction of the soil sub-base, and the base course material, installation of the crushed stone base course and bituminous pavement, and final clean-up. All materials shall be provided by the contractor.
3. Aggregates used for the crushed stone base shall be 1 ½" crushed stone (traffic bound), Gradation No. 1, as defined in sub-section 304.2.6 of the Standard Specifications.
4. Aggregates used in the bituminous concrete binder course shall conform to Gradation No. 2 of sub-section 401.2.5 of the Standard Specifications. Aggregates for bituminous surface course shall conform to Gradation No. 3.
5. Hot Mix Asphalt pavement shall be Superpave E-0.3 in accordance with section 460 of the Standard Specifications.
6. Asphalt in bituminous pavement shall be Performance Graded binders (PG 64-22) in accordance with section 455 of the Standard Specifications.
7. Concrete for curb and gutter, driveways, sidewalk, ramps, and dumpster pads shall conform to the "Standard Specifications for Ready-mixed Concrete", ASTM designation C-94, and shall contain six (6) sacks of cement per cubic yard. Minimum 28 day compressive strength shall be 3,500 PSI. A curing membrane is required for all exposed concrete.
8. This contract includes pavement marking, ADA signage and traffic signage. Parking spaces, and cross-walks shall be painted with an approved traffic paint. Stripes shall be 4" wide unless otherwise noted.



1. The Contractor shall attend a Pre-Construction Meeting with the Owner's Representative, and the City Inspector, to review the schedule and sequence of the work.
2. Verify that all the necessary plans and permits are in hand, and posted on-site as required.
3. Prior to commencing any land disturbing activities, the Contractor shall install silt fence, tracking mat, and inlet grate screens, as shown on the plans and specifications.
4. The Demolition Contractor shall remove the storm sewer, pavement and curbs to be demolished.
5. The Grading Contractor shall strip, and stockpile topsoil on the south end of the parking lot. The topsoil stockpile shall be enclosed by silt fence on the downhill side. Stockpile only enough topsoil for reuse on the site. Excess topsoil shall be trucked off-site.
6. The Grading Contractor shall grade the parking lot to proposed subgrade elevation. Excess soils shall be trucked off-site.
7. All proposed landscaped areas shall be covered with 4" of topsoil, seed, and mulch. Areas that are covered with topsoil during the winter shall be sprayed with polymer or tackifier.
8. Install the sewer and water laterals, and backfill the trenches.
9. Excavate for the storm sewer and install the storm sewer. Backfill the structures, and the storm sewer.
10. Fine grade the parking lot and install the crushed stone base material, and concrete curb & gutter.
11. Install asphalt pavement on the parking lot.
12. All erosion control practices shall be inspected weekly, and within 24 hours after each rain event of 1/2 inch or more.
13. The erosion control measures shall be removed after final approval by the City.
14. Approximate Construction Schedule:



12'x 50' MIN

MIN 12" OF 3" TO 6" CLEAR OR WASHED STONE

EXISTING GRADE

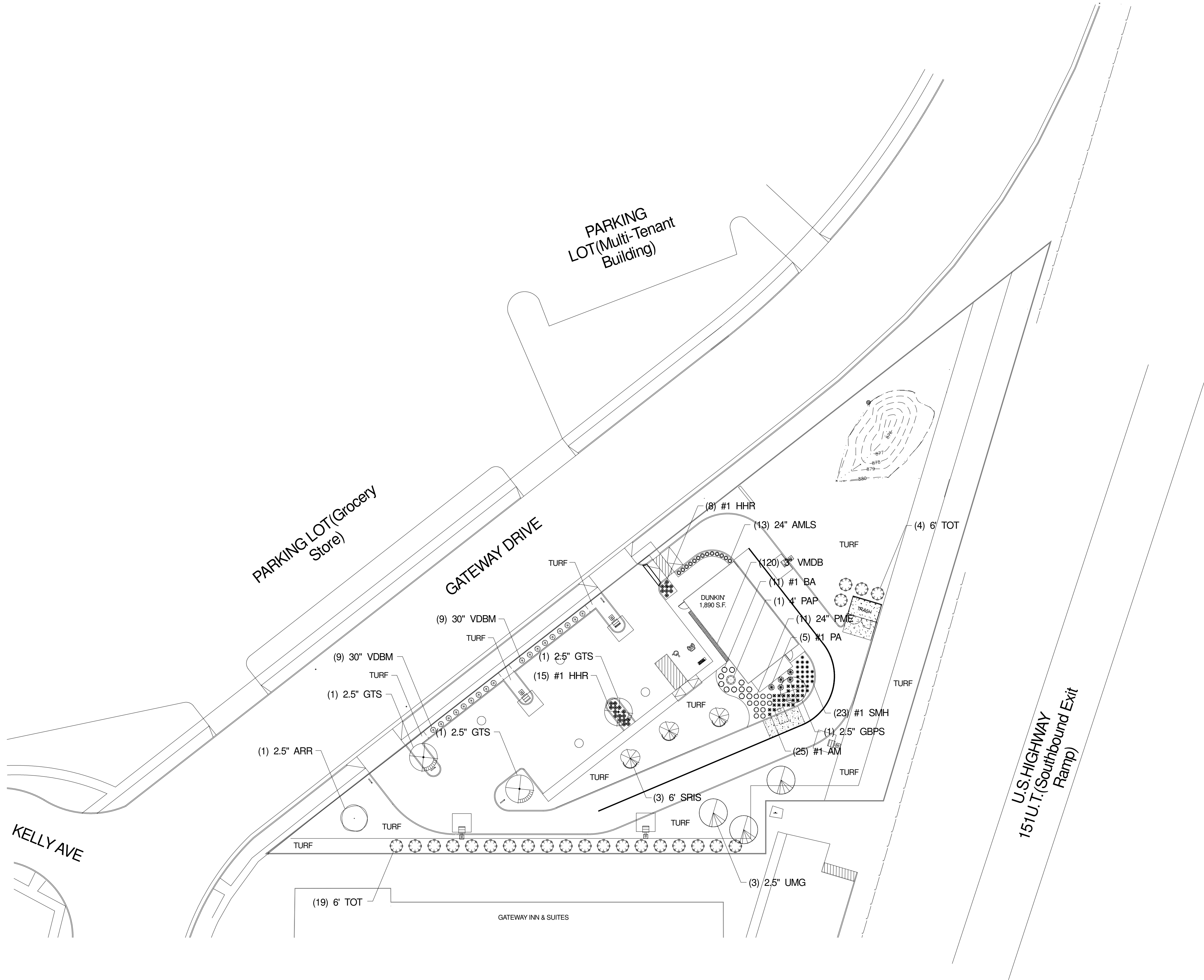
DOT TYPE R GEOTEXTILE FABRIC ON SATURATED SUBGRADE

The diagram illustrates a cross-section of a road construction detail. It shows a trapezoidal stone layer (12'x 50' MIN) resting on a geotextile fabric (DOT TYPE R GEOTEXTILE FABRIC ON SATURATED SUBGRADE). The stone layer is specified to be a minimum of 12 inches thick, composed of 3 to 6 inch clear or washed stone. The existing grade is indicated on the left side of the stone layer.

PAD MAY BE POSITIONED AS PERMANENT DRIVEWAY SUBBASE IF PLACED ON MINERAL SOIL AND IT MEETS BEARING & COMPACTION REQUIREMENTS BEFORE BASE PLACEMENT.

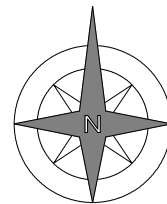
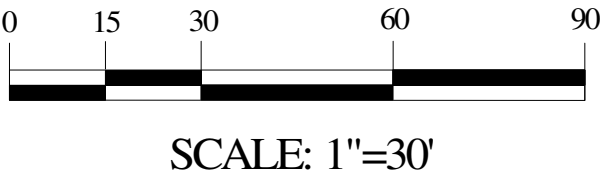
NO SCALE

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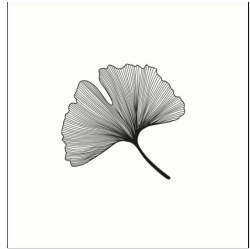


PLANT LIST

Qty.	Common Name	Botanical Name	Size	Remarks	Key
1	Red Pointe Maple	Acer rubrum 'Red Pointe'	2.5"	B&B	ARR
1	Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry'	2.5"	B&B	GBPS
3	Skyline Locust	Gleditsia triacanthos 'Skyline'	2.5"	B&B	GTS
3	Triumph Elm	Ulmus 'Morton Glossy'	2.5"	B&B	UMG
3	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	6'	B&B	SRIS
23	Techny Arborvitae	Thuja occidentalis 'Techny'	6'	B&B	TOT
1	Weeping Norway Spruce	Picea abies 'Pendula'	4'-5'	B&B	PAP
13	Low Scape Barberry	Aronia melanocarpa 'Low Scape'	24"	Cont.	AMLS
11	Enci Dwarf Mugo Pine	Pinus mugo 'Enci'	24"	Cont.	PME
18	Blue Muffin Viburnum	Viburnum dentatum 'Autumn Jazz'	30"	Cont.	VDBM
25	Millenium Allium	Allium 'Millenium'	#1	Pots	AM
11	Blue False Indigo	Baptisia australis	#1	Pots	BA
23	Happy Returns Daylily	Hemerocallis 'Happy Returns'	#1	Pots	HHR
5	Russian Sage	Perovskia atriplicifolia	#1	Pots	PA
23	Hummelo Betony	Stachys monieri 'Hummelo'	#1	Pots	SMH
120	Dart's Blue Periwinkle	Vinca minor 'Dart's Blue'	3"	Pots	VMDB



DATE: 02.01.22
SCALE: 1"=30'
DRAWN: CJD

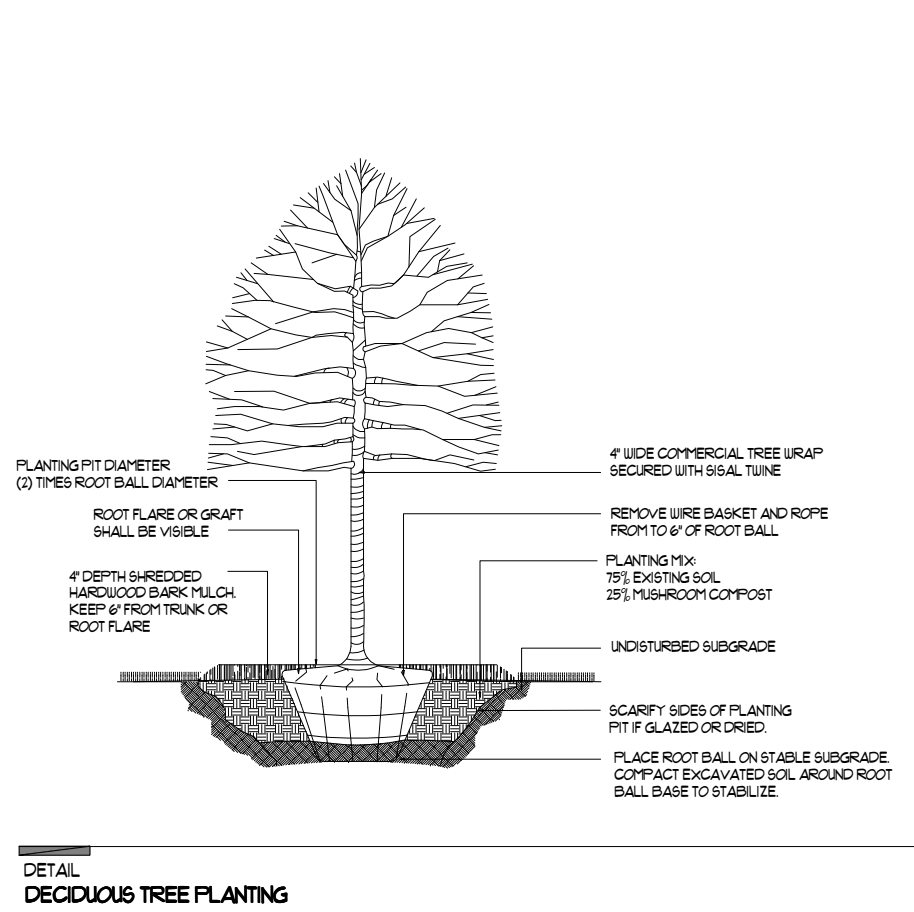


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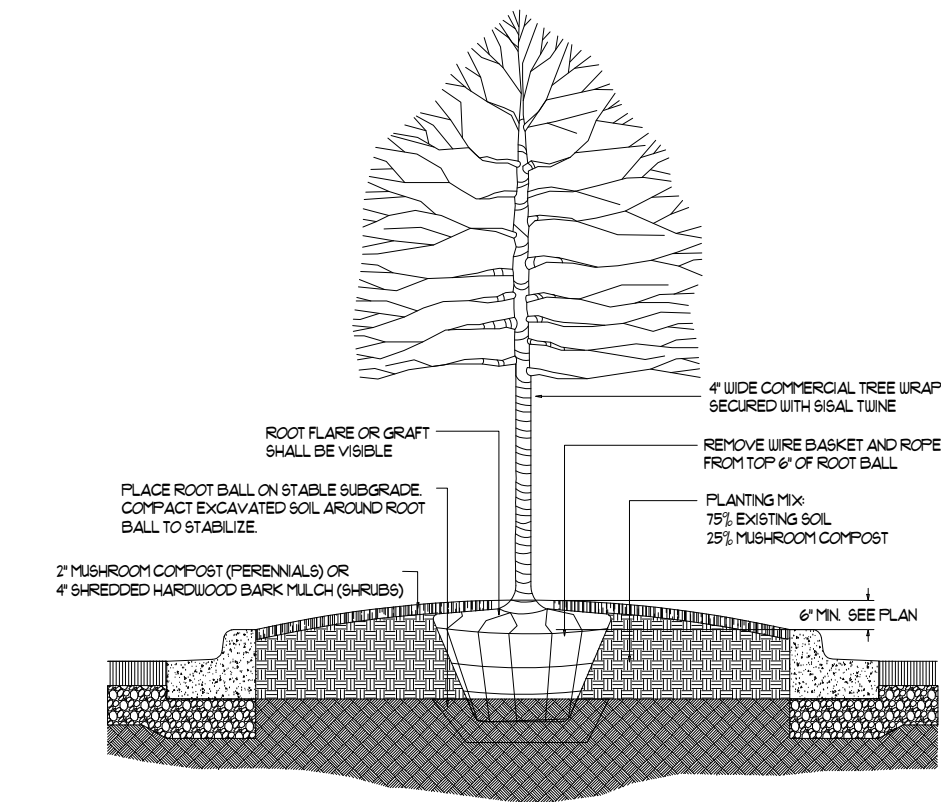
DUNKIN' BRANDS
103 GATEWAY DRIVE
WAUPUN, WISCONSIN

DOWDEN DESIGN GROUP
LANDSCAPE ARCHITECTURE, DESIGN & PLANNING
P.O. BOX 415, LIBERTYVILLE, IL 60048
DOWDENDESIGNGROUP.COM PHONE: (847) 362-1254

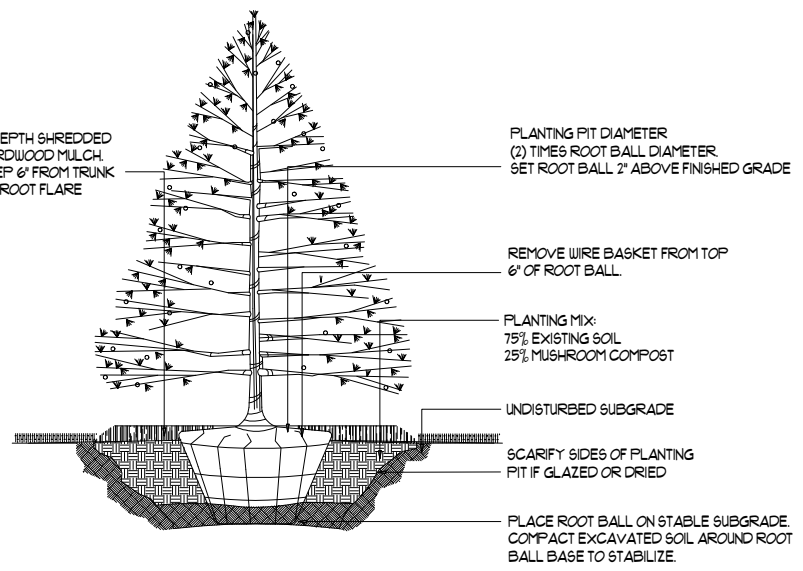
REVISIONS:
02.02.22 (ORDER BOARD & CANOPY)



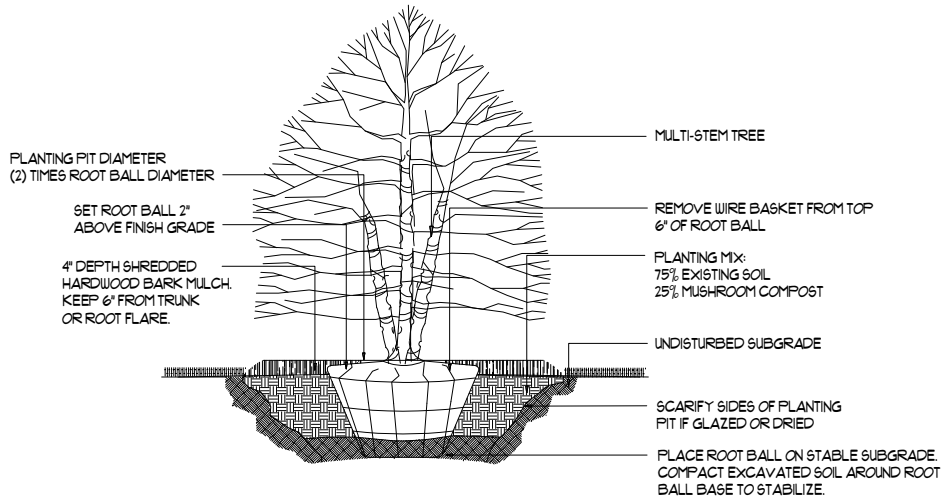
DETAIL
DECIDUOUS TREE PLANTING



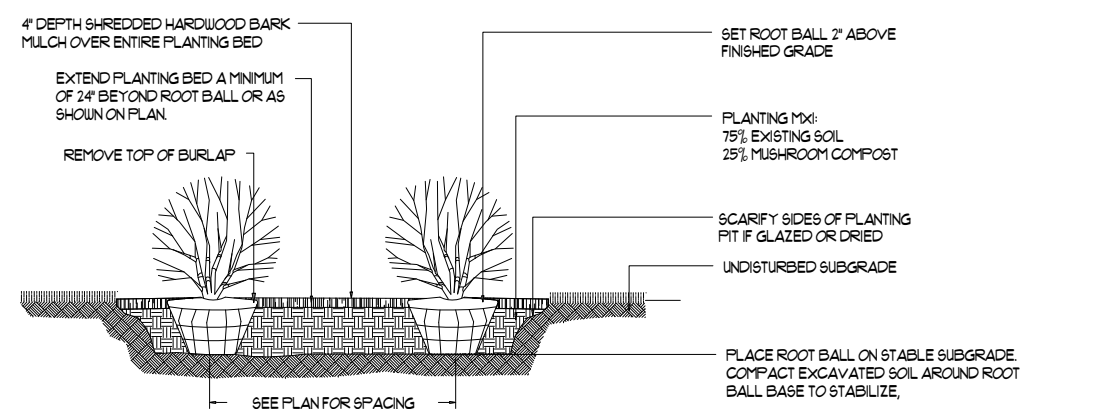
DETAIL
DECIDUOUS TREE PLANTING IN PARKING LOT ISLAND



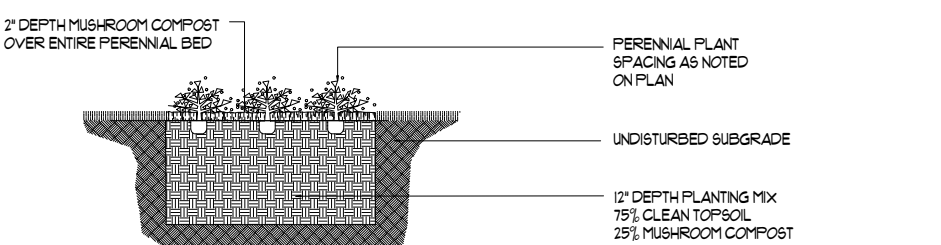
DETAIL
EVERGREEN TREE PLANTING



DETAIL
DECIDUOUS ORNAMENTAL TREE PLANTING



DETAIL
SHRUB PLANTING



DETAIL
PERENNIAL PLANTING

NOTES:

- 1) The Landscape Contractor shall provide and install all plant materials in the quantities and sizes sufficient to complete planting as shown on the Landscape Plans. All plants shall comply with the requirements of the current American Standard for Nursery Stock published by The American Nursery and Landscape Association. Plants shall meet size, genus, species and variety and be in good health, free of insects, diseases or defects. No "park grade" materials shall be accepted. Trees not exhibiting a central (or single) leader will be rejected unless noted in the plant list as multi-stem. Quantity lists are supplied for convenience. The Landscape Contractor shall verify all quantities and, in case of a discrepancy, the drawn plan shall prevail over the plant list. No plants are to be changed or substituted without approval of the Owner or a representative of James Dowden & Associates, Inc.
- 2) All plants shall be watered during the first 24-hour period following installation. A watering schedule must be agreed upon with the Owner (before plantings are installed) of whom, when and how plant materials are to be properly watered. The Landscape Contractor shall verify proper watering is being done for the establishment and health of all plant materials. The Landscape Contractor shall warranty all plant materials for one year from the time of installation and project acceptance.
- 3) Plants shall be balled and burlapped unless otherwise noted on the Landscape Plans. No root bound materials shall be accepted and all synthetic or plastic materials shall be removed at the time of planting. It is the option of the Landscape Contractor to roll back burlap from the top of the root ball.
- 4) Recommended mulch depth is three inches (3") of shredded hardwood bark. The Landscape Contractor shall avoid over-mulching and the creation of "mulch volcanoes." Mulch Beds shall extend a minimum of two feet (2') beyond the center of a tree or shrub. Mulch must be pulled back at least two inches (2") from the base of a tree so the base of the trunk and root crown are exposed.
- 5) Prepare all perennial beds with one cubic yard of garden compost per 100 sf and the compost shall be rototilled to an 8" depth.
- 6) All plants shall be set plumb. It is the option of the landscape contractor to stake deciduous trees but it is also the responsibility of the Landscape Contractor to guarantee the plants remain plumb until the end of the guarantee period.
- 7) Trees shall be installed a minimum of five feet (5') horizontally from underground electrical feeders, sanitary sewers, sanitary services, water mains, and water services. Trees shall be installed a minimum of ten feet (10') horizontally from utility structures including, but not limited to, manholes, valve vaults and valve boxes. Shade trees shall be a minimum of ten feet (10') from all light poles and all shrubs shall be a minimum of three to five feet (3'-5') from all fire hydrants.
- 8) The Landscape Contractor shall locate the existence of all underground utilities prior to starting work. The Landscape Contractor must also keep the pavement and work areas in neat and orderly condition throughout the construction process. The Landscape Contractor shall acquaint himself with. And verify. Working conditions in advance of submitting a proposal. Failure to recognize inherent responsibilities does not relieve the contractor of obligations due to miscalculations.
- 9) Property owners shall be responsible for maintaining all landscaping shown on the approved plans throughout the life of the development.
- 10) Turf shall be Premium Bluegrass Mix seed in all disturbed areas.
- 11) Any changes to the landscape plans after final development approval Require review and approval by the planning and zoning administrator.
- 12) Trees and shrubs shall not be located closer than ten (10) feet to fire hydrants, transformers, or other above ground utilities. Trees shall be a minimum of ten (10) feet from all driveways and entrance ways.
- 13) Bare root plants shall not be allowed as part of this project.
- 14) All planted areas and landscaped islands shall receive a 4 (four) inch layer of shredded hardwood bark mulch.

PREMIUM BLUEGRASS SEED MIX (4-5 LBS/1000 S.F.)

MIX %	SEED	GERMINATION	ORIGIN
22.82%	AWARD KENTUCKY BLUEGRASS	85%	OR
22.22%	NUGLADE KENTUCKY BLUEGRASS	85%	OR/WA
17.79%	JACKPOT KENTUCKY BLUEGRASS	85%	OR/WA
16.11%	EVEREST KENTUCKY BLUEGRASS	85%	OR
9.98%	FIESTA 4 PERENNIAL RYEGRASS	90%	MN
9.97%	HANCOCK PERENNIAL RYEGRASS	90%	MN
1.11%	INERT MATTER		

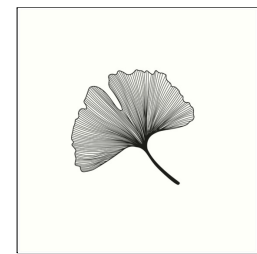
REVISIONS:

DOWDEN DESIGN GROUP
LANDSCAPE ARCHITECTURE, DESIGN & PLANNING
P.O. BOX 415, LIBERTYVILLE, IL 60048
DOWDENDESIGNGROUP.COM PHONE: (847) 362-1254

DUNKIN' BRANDS
103 GATEWAY DRIVE
WAUPUN, WISCONSIN

**LANDSCAPE
PLAN**

DATE: 02.01.22
SCALE: NONE
DRAWN: CJD



L102

PARKING LOT
(Grocery Store)

GATEWAY DRIVE

DUNKIN'
1,890 SF

WALK-IN
UNIT

TRASH

REFER TO CIVIL
DRAWINGS FOR
FURTHER INFORMATION

REFER TO CIVIL
DRAWINGS FOR
FURTHER INFORMATION

DRIVE
THRU

ONLY

ONLY

1 DUNKIN' SITE PLAN

3/32" = 1'-0"

NOTE:

GENERAL NOTES

1. LOT SIZE = 49,860 SF, BUILDING FOOTPRINT = 2,517 SF, 19.8% OF LOT SIZE
2. REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION ON CONDUIT LOCATIONS AND QUANTITY CORRESPONDING TO EACH DRIVE THRU SET UP OPTION. G.C. TO PROVIDE PVC CONDUIT FOR ALL NEW LOCATIONS, REFER TO ELECTRICAL DRAWING FOR ADDITIONAL INFORMATION ON LOOP REQUIREMENTS
3. REFERENCE TO MASTER SCHEDULE FOR TRAFFIC STRIPING PAINT.
4. 8-YARD TRASH DUMPSTER TO FIT INSIDE 12'-0" X 10'-0" FENCED ENCLOSURE.
5. REFER TO CONSTRUCTION SPECIFICATIONS SHEETS AND DUNKIN' WEBSITE FOR FURTHER INFORMATION, <http://extranet.dunkinbrands.com>

SITE NOTES

1. 6" THICK CONC. PAD W/ 18"x54" GROUND LOOPS; TOP OF SLAB SHALL BE FLUSH WITH PAVEMENT SURFACE SHOULD MATCH THE ADJACENT LOT SURFACE MATERIAL AS MUCH AS POSSIBLE-PROVIDE BLACK STAINED CONCRETE WHEN USED ADJACENT TO ASPHALT MATERIAL.
2. GROUND LOOPS INSTALLED FOR:
2A. ORDER CANOPY LOOP
2B. D/T WINDOW LOOP
2C. FAST FORWARD D/T WINDOW LOOP
3. REFER TO DETAIL #1/SP-1.1 LOCATION OF DIGITAL MENU BOARD. TO BE INSTALLED SO THAT MENU BOARD IS AT 30° ANGLE TO ON COMING TRAFFIC.
4. PYLON SIGN, SEE DETAIL #1/SP-1.2.
5. DIRECTIONAL SIGNAGE AGE; REFER TO DETAIL #4/SP-1.0.
5A. INSTALLED PERPENDICULAR TO CURB FACE.
5B. INSTALLED PARALLEL TO CURB FACE.
6. "ARROW" PAINTED (TP-01) WHITE (TYP.)
7. DRIVE THRU WINDOW; REFER TO SHEET A-1.0
8. DUAL HEIGHT LIMITATION BAR, SEE DETAIL #2/SP-1.1.
9. DRIVE THRU GRAPHIC (SEE NATL. ACCOUNTS), PAINT TP-05 PINK
10. 6" LINE STRIPING PAINT (TP-05) PINK
11. TRASH ENCLOSURE AND HEAVY DUTY CONCRETE PAD. REFER TO SHEET SP-1.2.
12. REFER TO DETAIL #11/SP-1.1 LOCATION OF ORDER CANOPY/ SPEAKER POST.
13. HOME RUN CONDUIT TO DRIVE THRU TIMER MONITOR ADJACENT TO DRIVE THRU WINDOW.
14. CONCRETE OUTDOOR PATIO; REFER TO CIVIL DRAWINGS.
15. REFER TO DETAIL #1/SP-1.1 LOCATION OF ALL-IN-ONE DIGITAL MENU BOARD. TO BE INSTALLED SO THAT MENU BOARD IS PERPENDICULAR TO CURB.
16. NEW SITE LIGHTING; REFER TO SHEET PP-1.0

dunkin'
brands.™

MRV

ARCHITECTS, INC.

5105 TOLLVIEW DR., SUITE 197
ROLLING MEADOWS, IL 60008

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REVISION	DESCRIPTION	ISSUE DATES	DRAWN	CHECKED	DATE	PROJECT No	EV	MV	02-11-22	21132
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DD SITE PLAN & NOTES

DUNKIN'

103 GATEWAY DR.
WAUPUN, WI 53963

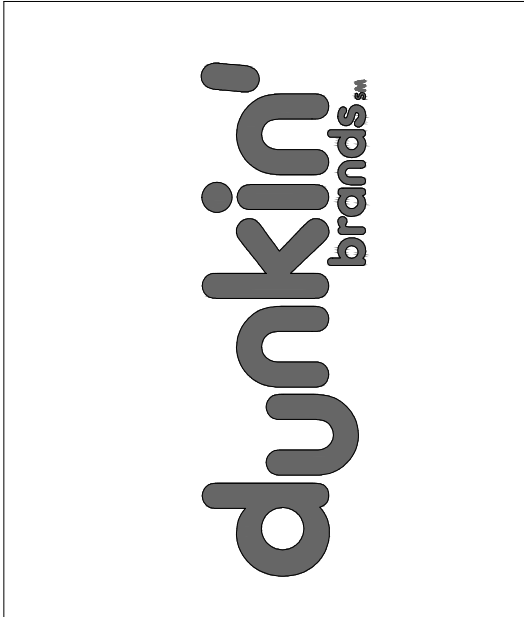
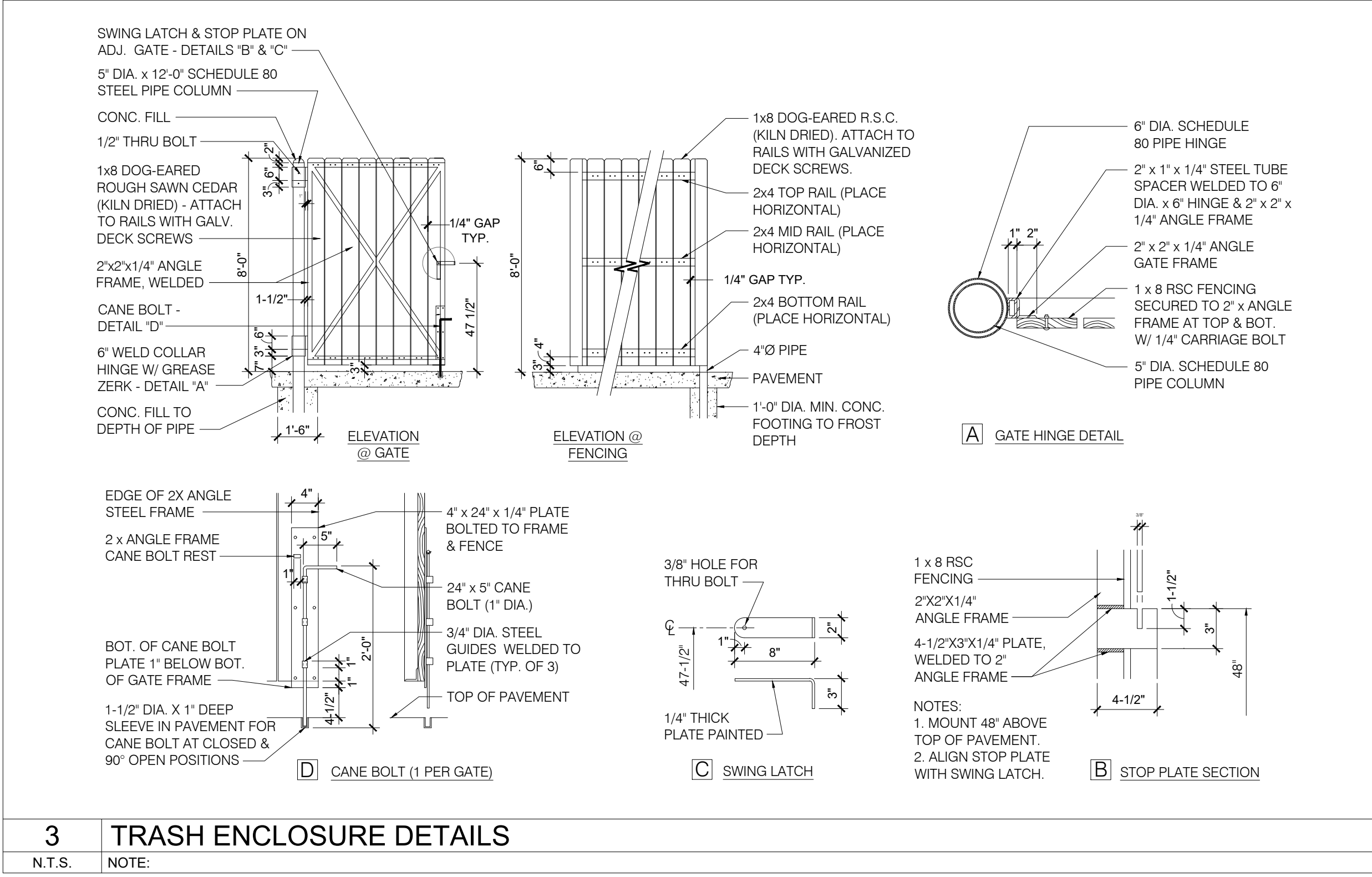
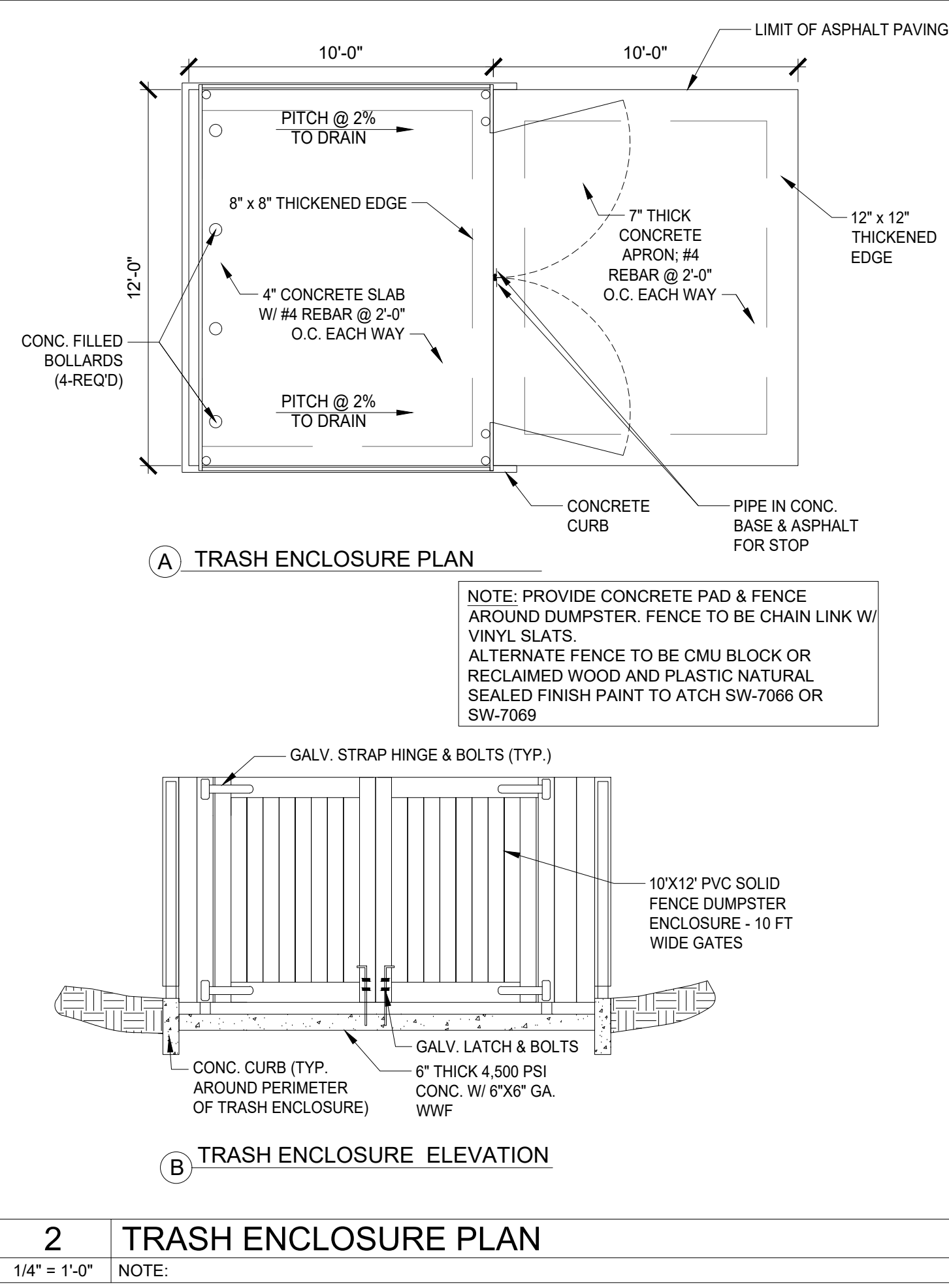
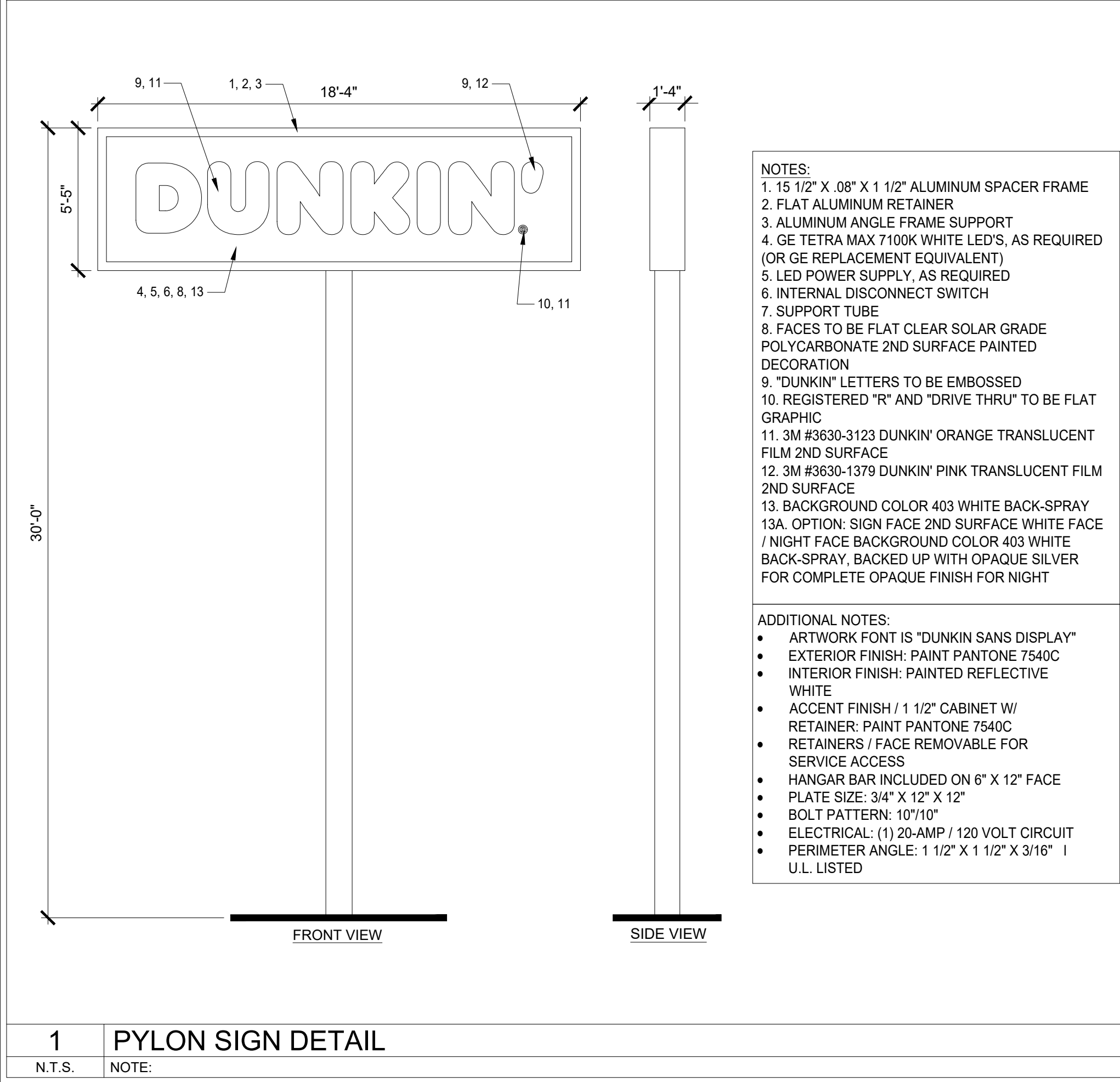
PC#

SHEET

SP-1.0

SHEET

SP-1.1



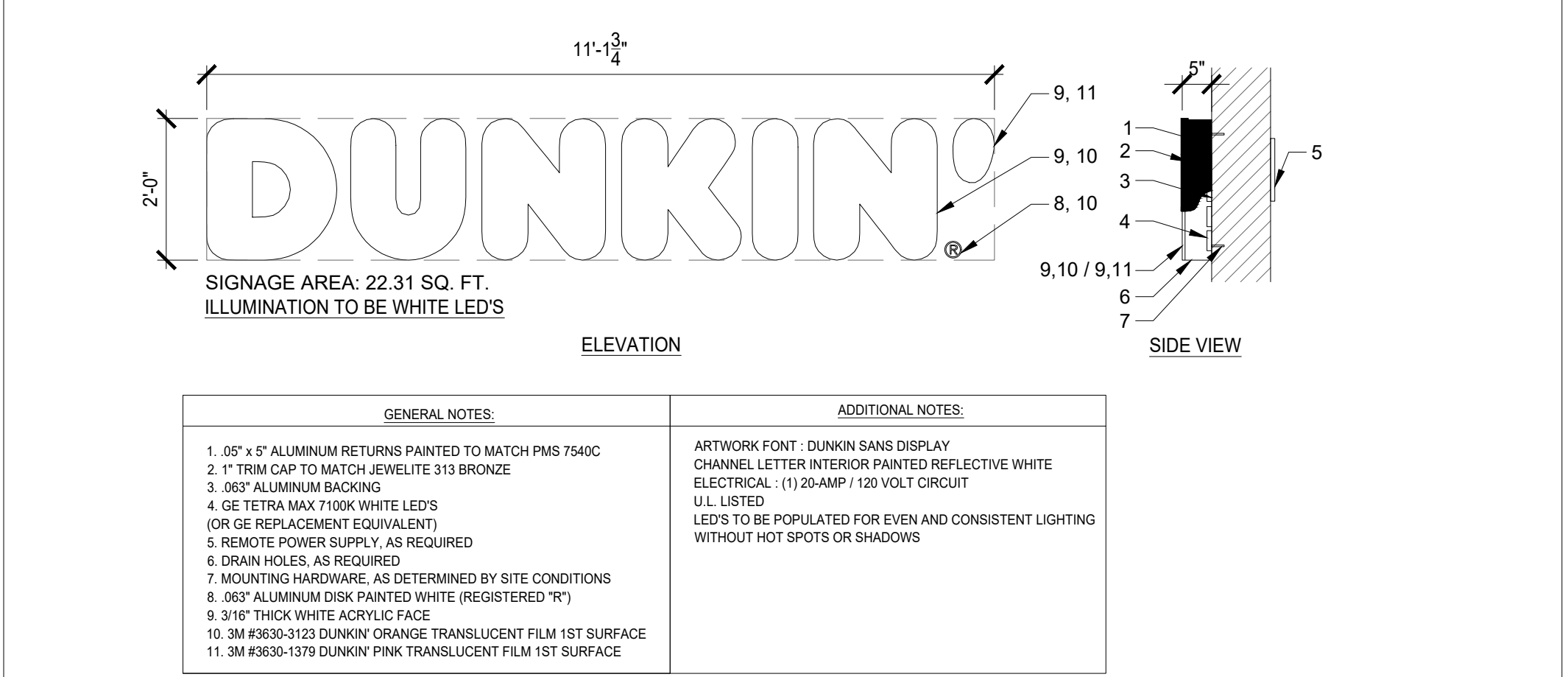
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REVISION	DESCRIPTION	ISSUE DATES	DRAWN	EV	DATE	PROJECT No	2132
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DD SITE DETAILS	DUNKIN' 103 GATEWAY DR. WAUPUN, WI 53963	PC#
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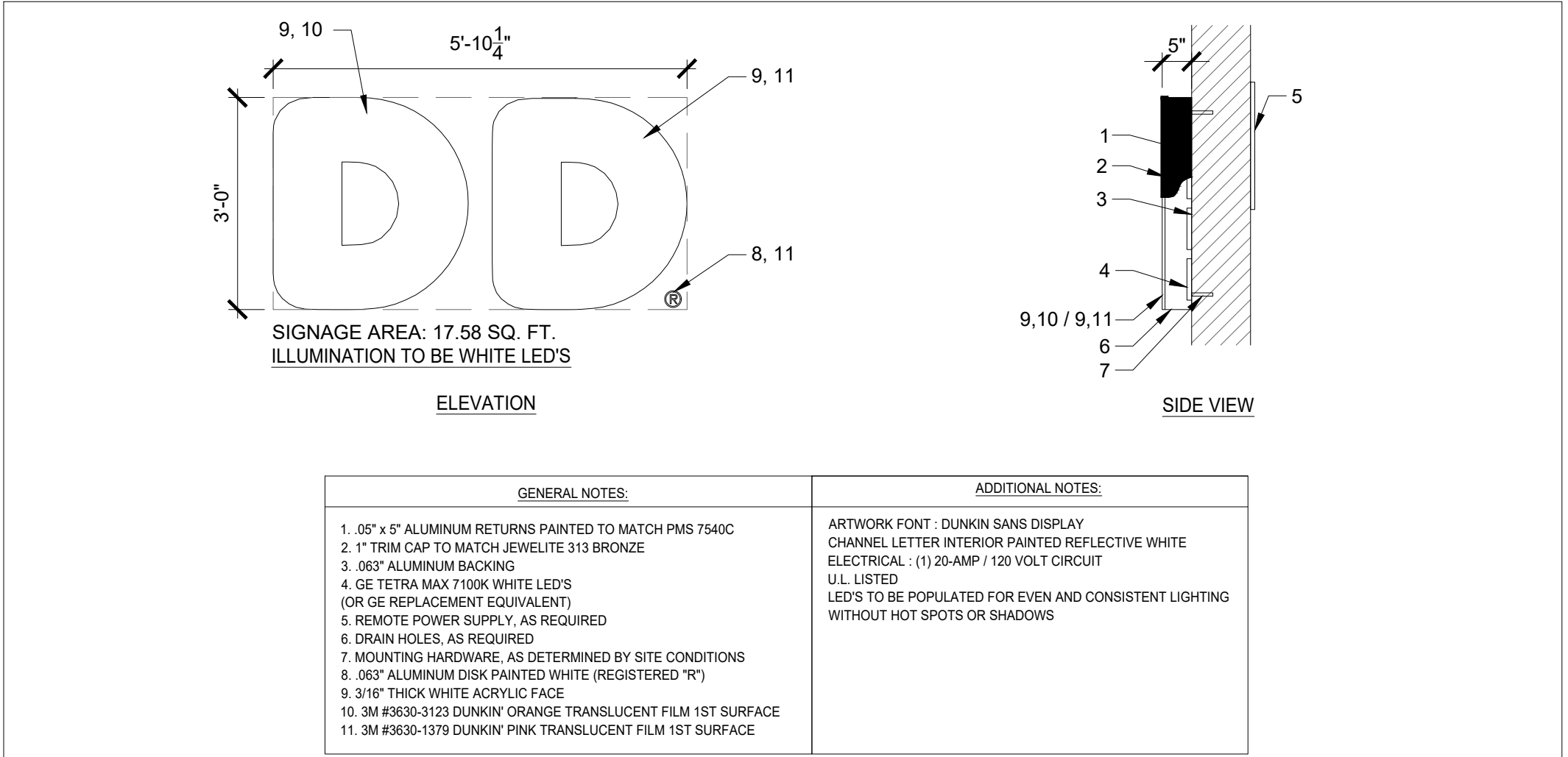
PP-1.0



1

'DUNKIN' - BUILDING SIGNAGE

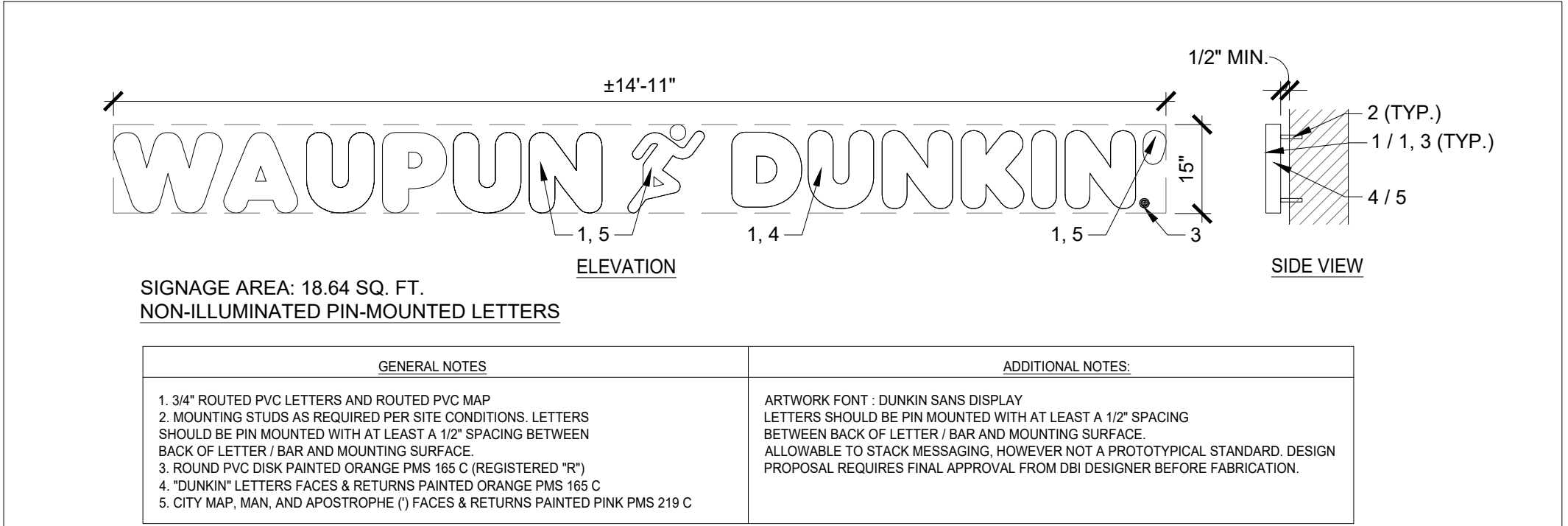
1/2" = 1'-0" NOTE:



2

'DD' - BUILDING SIGNAGE

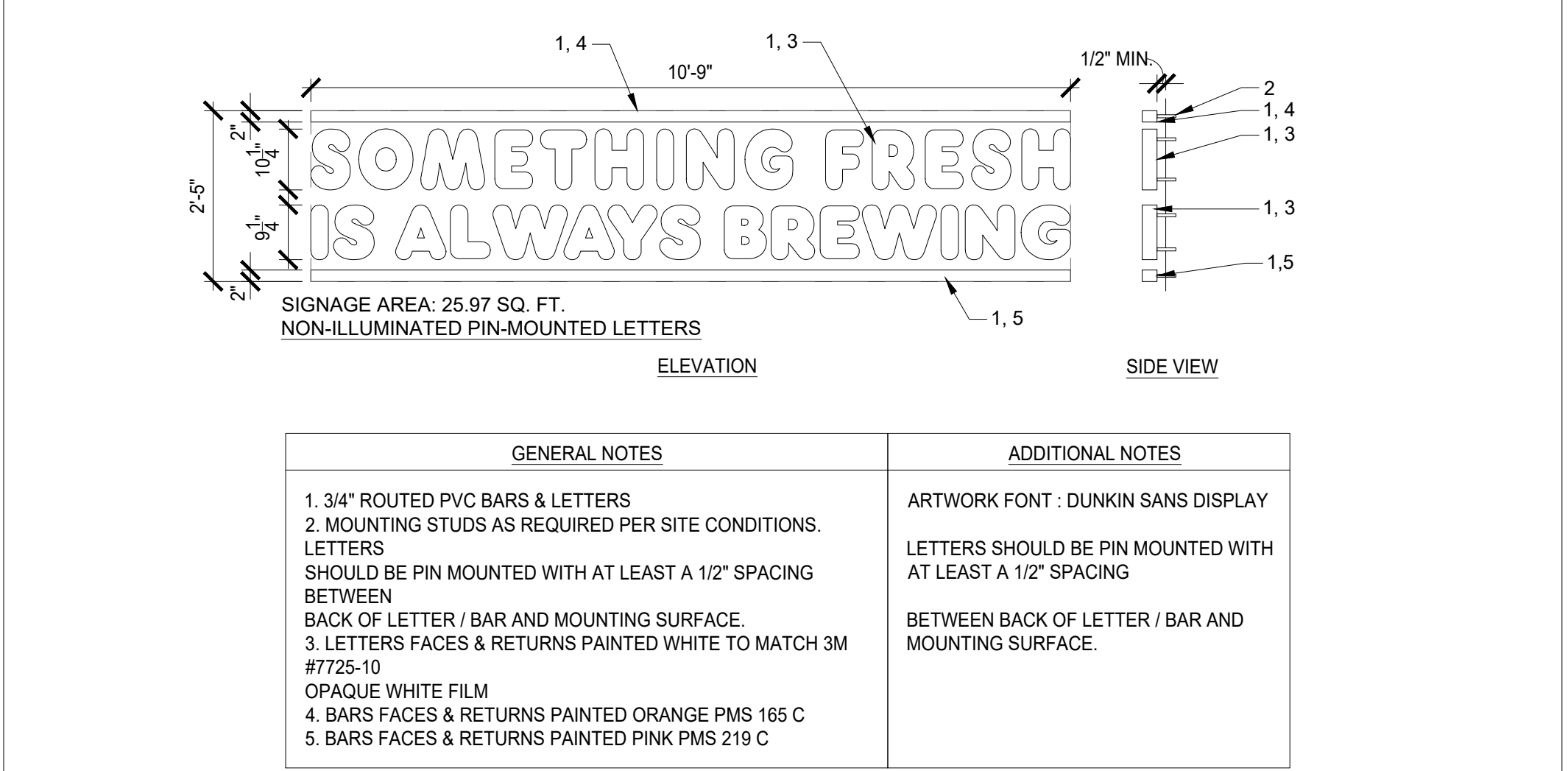
1/2" = 1'-0" NOTE:



3

'WAUPUN RUNS ON DUNKIN' - BUILDING SIGNAGE

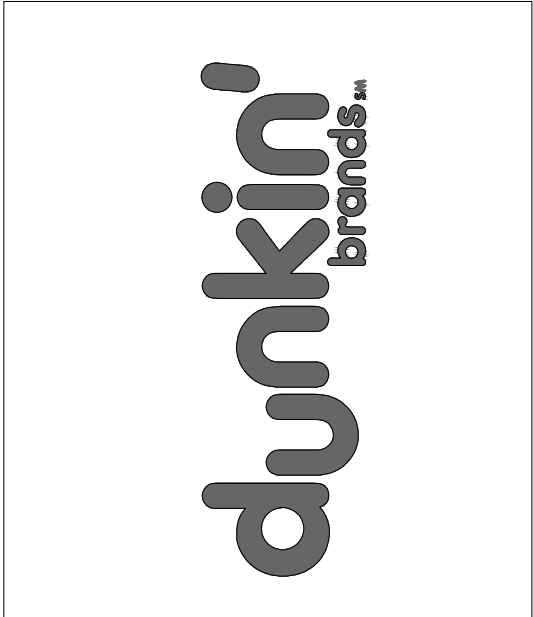
1/2" = 1'-0" NOTE:



4

'SOMETHING FRESH IS ALWAYS BREWING' - BUILDING SIGNAGE

1/2" = 1'-0" NOTE:



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EV	MV	02-11-22	21132
DRAWN	CHECKED	DATE	PROJECT No
ISSUE DATES			
DESCRIPTION			
REVISION			

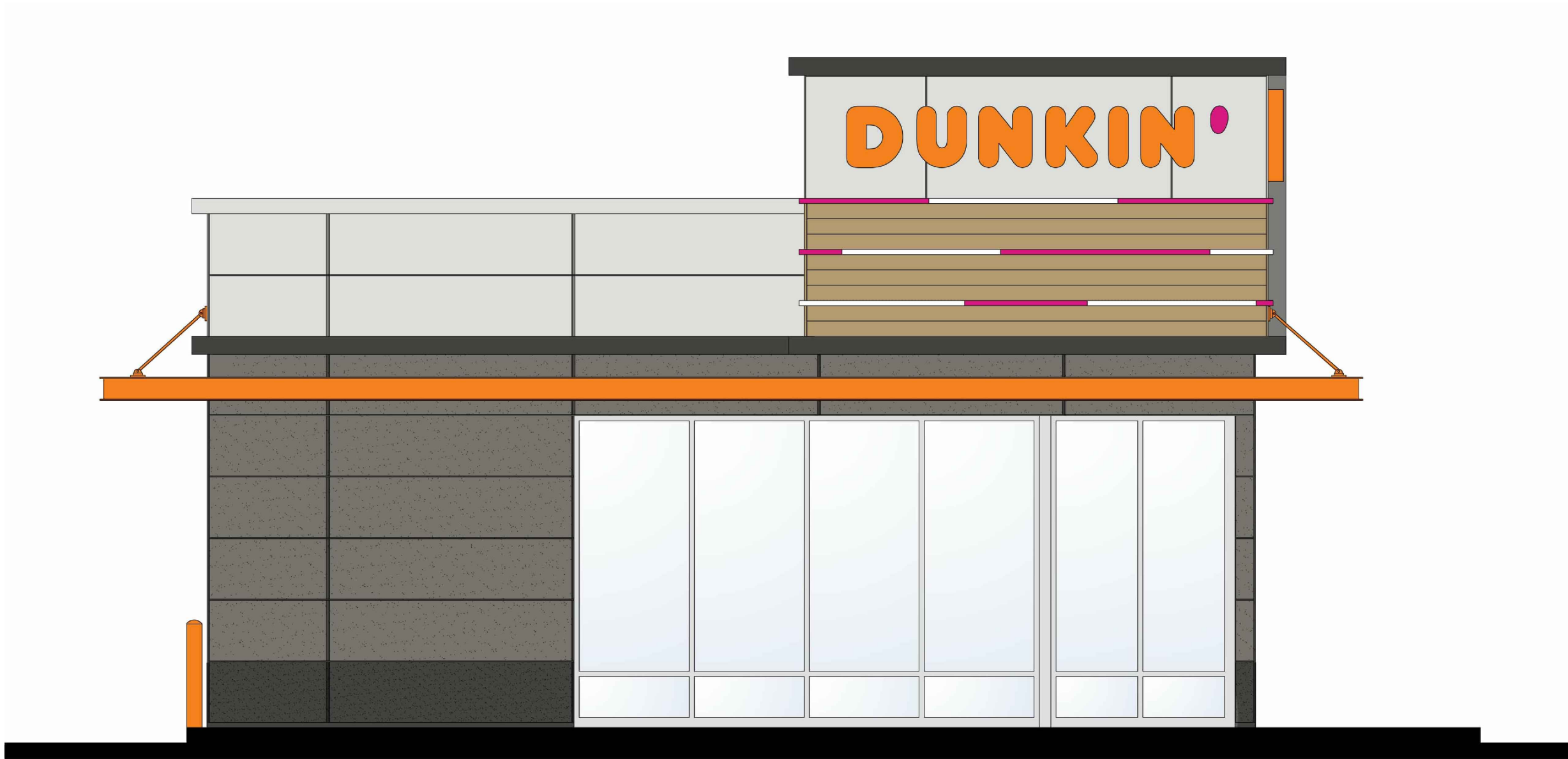
WALL SIGNAGE DETAILS

DUNKIN'
103 GATEWAY DR.
WAUPUN, WI 53963

PC#



1 WEST ELEVATIONS - MAIN ENTRANCE
1/4" = 1'-0" NOTE:



2 NORTH ELEVATIONS - STREET VIEW
1/4" = 1'-0" NOTE:



3 SOUTH ELEVATIONS
1/4" = 1'-0" NOTE:

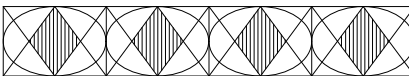


4 EAST ELEVATIONS - DRIVE-THRU
1/4" = 1'-0" NOTE:

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COLOR ELEVATIONS

DUNKIN'
103 GATEWAY DR.
WAUPUN, WI 53963

PC#

SHEET

CE-1.0

METAL BUILDING ADDITION FOR: TENNECO - FEDERAL MOGUL CORP.

WAUPUN, WISCONSIN

PROJECT INFORMATION

APPLICABLE BUILDING CODES

2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL EXISTING BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
WISCONSIN COMMERCIAL BUILDING CODE, SPS 361-366
2017 NATIONAL ELECTRICAL CODE
2012 NATIONAL FIRE PROTECTION ASSOCIATION - NFPA-1
2009 AMERICAN NATIONAL STANDARD - ICC/ANSI A117.1-2009

BUILDING AREA

BUILDING ADDITION 1,800 S.F.
EXISTING BUILDING 150,360 S.F.

OCCUPANCY CLASSIFICATION

BUILDING OCCUPANCY
MODERATE HAZARD FACTORY - GROUP F-1 (SECTION 306)
MODERATE HAZARD STORAGE - GROUP S-1 (SECTION 311)

CONSTRUCTION CLASSIFICATION

2015 IBC SECTION 601 TYPE IIB CONSTRUCTION

BUILDING NOTES

BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM

ACCESSIBLE TOILET ROOMS ARE LOCATED IN EXISTING BUILDING

ALLOWABLE HEIGHT

BUILDING HEIGHT 18'-10"
2015 IBC TABLE 504.3 55'-0"

NUMBER OF STORIES

NUMBER OF STORIES BUILDING IS (1) STORY
2015 IBC TABLE 504.4 MAX. (2) STORY

ALLOWABLE AREAS

2015 IBC 507.4 UNLIMITED AREA
SPRINKLED, ONE STORY

OCCUPANT LOAD

2015 IBC TABLE 1004.1.2 300 SF (GROSS) PER PERSON
1,800 SF / 100 = 18.00
TOTAL OCCUPANT LOAD = 18 PERSONS

MEANS OF EGRESS (AREA OF WORK)

2015 IBC SECTION 1005.3 OTHER COMPONENTS EGRESS
WIDTH PER OCCUPANT = 0.2"
(18) OCCUPANTS x 0.2" = 3.6" REQ'D
36" PROVIDED

2015 IBC TABLE 1017.2 200' EXIT ACCESS TRAVEL DISTANCE

PROJECT LOCATION



ABBREVIATIONS

ADD. ADDITION	EA. EACH	H.M. HOLLOW METAL	RAD. RADIUS
A/C AIR CONDITIONING	E.I.F.S. EXTERIOR INSULATION	HVAC HEATING, VENTILATING & AIR CONDITIONING	R.D. ROOF DRAIN
A.F.F. ABOVE FINISH FLOOR	E.J. FINISH SYSTEM	I.D. IDENTIFICATION	REF. REFERENCE
ALUM. ALUMINUM	ELEC. / E ELECTRICAL	INSUL. INSULATED	SAN. SANITARY SEWER
ALT. ALTERNATE	ENCL. ENCLOSED	INT. INTERIOR	SCHED. SCHEDULE
A.B. ANCHOR BOLT	ENCLOS. ENCLOSED	INVERT. INVERT	SHT. SHEET
ADJ. ADJUSTABLE	E.W.C. ELECTRIC WATER COOLER	JST. JOIST	ST. STORM SEWER
B.F. BARRIER FREE	EQ. EQUAL	JST. JOIST	SIM. SIMILAR
BD. BOARD	EQUIP. EQUIPMENT	LAM. LAMINATED	SPEC. SPECIFICATION
BLDG. BUILDING	EXCAV. EXCAVATE	LAV. LAVATORY	STD. STANDARD
B.L. BUILDING LINE	EXIST. EXISTING	LI. LIGHT	STL. STEEL
BLK. BLOCK	EXT. EXTERIOR	LT. LIGHT	STOR. STORAGE
BLKG. BLOCKING	EXP. EXPANSION	MAX. MAXIMUM	STRUCT. STRUCTURAL
B.O.J. BOTTOM OF JOIST	F.D. FLOOR DRAIN	MECH. MECHANICAL	SYS. SYSTEM
BOT. BOTTOM	FEC. FIRE EXTINGUISHER	MTL. METAL	S.S. SOLID CORE
B.W. BOTH WAY	FIR. FIRE RESISTANT	MFR. MANUFACTURE	SUSP. SUSPENDED
B.M. BENCH MARK	F.F. FINISH FLOOR	M.H. MAN HOLE	T. TREAD
BM. BEAM	FS. FINISH GRADE	MISC. MISCELLANEOUS	T.O.S. TOP OF STUD
BRG. BEARING	FLR. FLOOR	MR. MOISTURE RESISTANT	T.O.B. TOP OF BEARING
B.T.U. BRITISH THERMAL UNITS	FLUOR. FLUORESCENT	MTD. MOUNTED	T.O.W. TOP OF WALL
B.O.W. BOTTOM OF WALL	FTG. FOOTING	MEZZ. MEZZANINE	T.O.P. TOP OF PIER
B.O.C. BOTTOM OF CURB	FTG. FOOTING	N.C. NOT IN CONTRACT	T.O.F. TOP OF FOOTING
CA. CARPET	FRMW. FRAMING	N.I.C. NOT IN CONTRACT	TAB. TOP OF CURB
C.I. CAST IRON	FAB. FABRICATED	NO. # NUMBER	T.C. TELEPHONE
CLG. CEILING	FIX. FIXTURE	NOM. NOMINAL	T&G. TONGUE & GROOVE
CTR. CENTER	F.R. FIRE RATED	NAT. NATURAL	THK. THICK
C.C. CENTER TO CENTER	F.O.S. FACE OF STUD	OFIC. OWNER FURNISHED	T.O. STL. TOP OF STEEL
C.J. CONTROL JOINT	F.O.B. FACE OF BRICK	CONTRACTOR INSTALLED	T.P. TOP PLATE
CL. CENTER LINE	F.O.C. FLOOR CLEAN OUT	OWNER INSTALLED	T.S. TUBE STEEL
C.T. CERAMIC TILE	F.O.C. FACE OF CONCRETE	OP. OUT TO OUT	TYP. TYPICAL
C.O. CLEAN	F.O.C. FACE OF CONCRETE	OUT TO OUT	TEMP. TEMPERED
COL. COLUMN	F.O.C. FACE OF CONCRETE	OUT TO OUT	UNFIN. UNFINISHED
CONC. CONCRETE	F.O.C. FACE OF CONCRETE	OUT TO OUT	UTL. UTILITIES
CONT. CONTINUOUS	F.O.C. FACE OF CONCRETE	OUT TO OUT	VERT. VERTICAL
C.B. CATCH BASIN	F.O.C. FACE OF CONCRETE	OUT TO OUT	V.C.T. VINYL COMPOSITION TILE
CON. CONNECTION	F.O.C. FACE OF CONCRETE	OUT TO OUT	V.T.R. VENT THROUGH ROOF
C.W. COLD WATER	F.O.C. FACE OF CONCRETE	OUT TO OUT	VENT. VENTILATION
DBL. DOUBLE	F.O.C. FACE OF CONCRETE	OUT TO OUT	VOL. VOLUME
DEG. DEGREE	F.O.C. FACE OF CONCRETE	OUT TO OUT	W. WATER
DET. DETAIL	F.O.C. FACE OF CONCRETE	OUT TO OUT	W. WITH
DIAG. DIAGONAL	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.C. WATER CLOSET
DIA. / Ø DIAMETER	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.C.O. WALL CLEAN OUT
DN. DOWN	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.H. WATER HEATER
DIV. DIVISION	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.W. WEATHER RESISTANT
DWG. DRAWING	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.C. WATER COOLER
DEPT. DEPARTMENT	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.C. WALL COVERING
D.F. DRINKING FOUNTAIN	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.P. WATER PROOF
DISP. DISPENSER	F.O.C. FACE OF CONCRETE	OUT TO OUT	W.W.F. WELDED WIRE FABRIC
D.W. DRYWALL	F.O.C. FACE OF CONCRETE	OUT TO OUT	YD. YARD

SHEET INDEX

SHEET	SHEET TITLE	ISSUED FOR CONSTRUCTION	CONSTRUCTION BULLETIN #1	CONSTRUCTION BULLETIN #2	CONSTRUCTION BULLETIN #3
DATE:		2/03/22			
T1.0	TITLE SHEET, BUILDING DATA, LOCATION MAP	●			
T2.0	GENERAL BUILDING SPECIFICATIONS	●			
T2.1	GENERAL BUILDING SPECIFICATIONS (CONT.)	●			
CIVIL					
C1.0	PARTIAL SITE PLAN	●			
ARCHITECTURAL					
A1.1	FLOOR PLAN AND ELEVATIONS	●			
A3.0	BUILDING SECTIONS	●			
A6.0	ARCHITECTURAL SCHEDULES AND DETAILS	●			
ARCHITECTURAL					
S1.0	FOUNDATION PLAN AND FOUNDATION DETAILS	●			
S2.0	FOUNDATION DETAILS	●			
S3.0	STRUCTURAL GENERAL NOTES	●			

SHEET INDEX LEGEND:
PRELIM = PRELIMINARY
● = ISSUED SHEET

CONTACTS:

ARCHITECTURAL

Blowfish Architects, llc
BILL HOCH
920-810-5561
bill@blowfisharchitects.com

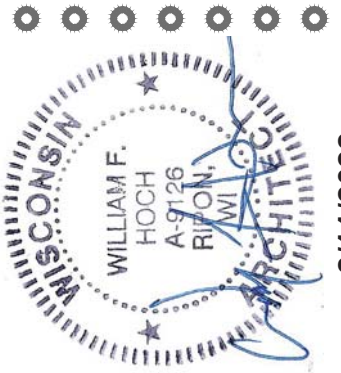
STRUCTURAL

BT GEROLD STRUCTURAL ENGINEERING LLC
BEN GEROLD
920-309-1639
btgerold@gmail.com



Blowfish Architects, llc

752 S. Grove St.
Ripon, WI 54971
920-810-5561
William F Hoch, AIA



TENNECO - Federal Mogul Corporation

Manufacturing Addition
401 Industrial Ave.
Waupun, WI 53963

REVISIONS:

210540

FEB. 3, 2022

SHEET

T1.0



FOND DU LAC, WI 920.922.4446

GENERAL BUILDING SPECIFICATIONS:

DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS

00 72 00 GENERAL CONDITIONS

- A. THE AIA GENERAL CONDITIONS A201 LATEST EDITION IS A PART OF THESE DOCUMENTS. COPIES ARE ON FILE AT THE OFFICE OF BLOWFISH ARCHITECTS, LLC (BHA).

00 73 16 INSURANCE REQUIREMENTS

- A. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A CERTIFICATE OF INSURANCE FOR NOT LESS THAN THE FOLLOWING LIMITS:
- WORKER'S COMPENSATION AND EMPLOYERS LIABILITY
 - PER STATUTORY LIMITS
 - COMMERCIAL GENERAL LIABILITY
 - GENERAL AGGREGATE: \$2,000,000
 - PRODUCTS AND COMPLETED OPERATIONS AGGREGATE: \$2,000,000
 - PERSONAL AND ADVERTISING INJURY: \$1,000,000
 - EACH OCCURRENCE: \$1,000,000
 - BUILDERS RISK INSURANCE:
 - PRIOR TO COMMENCEMENT OF WORK, BUILDERS RISK INSURANCE SHALL BE SECURED BY EITHER THE OWNER OR THE CONTRACTOR. RESPONSIBILITY FOR PROCUREMENT SHALL BE AS AGREED UPON IN CONTRACT NEGOTIATIONS OR AS STATED IN THE CONTRACT FOR CONSTRUCTION BETWEEN THE OWNER AND THE CONTRACTOR.

DIVISION 01 GENERAL REQUIREMENTS

01 11 00 SUMMARY OF WORK

- A. THE PLANS AND SPECIFICATIONS ARE INTENDED TO GIVE A DESCRIPTION OF THE WORK. NO DEVIATION FROM THE PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF BLOWFISH ARCHITECTS, LLC. THE CONTRACTOR IS TO CLARIFY ANY DISCREPANCIES WITH BLOWFISH ARCHITECTS, LLC PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND ACCESS TO THE WORK AREA.

01 25 13 PRODUCT SUBSTITUTION PROCEDURES

- A. REFERENCE TO MATERIALS OR SYSTEMS HEREIN BY NAME, MAKE OR CATALOG NUMBER IS INTENDED TO ESTABLISH A QUALITY STANDARD, AND NOT TO LIMIT COMPETITION. **THE WORDS "OR APPROVED EQUIVALENT" ARE IMPLIED FOLLOWING EACH BRAND NAME/MODEL NUMBER UNLESS STATED OTHERWISE.** "OR APPROVED EQUIVALENT" MATERIALS SHALL BE APPROVED BY BLOWFISH ARCHITECTS, LLC PRIOR TO BIDS BEING ACCEPTED AND ACCEPTANCE FOR USE. PROVIDE A LETTER FROM THE MANUFACTURER CERTIFYING THAT THE PRODUCT MEETS OR EXCEEDS THE SPECIFIED PRODUCT.

01 31 00 PROJECT MANAGEMENT AND COORDINATION

- A. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR AND SHALL HAVE CONTROL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND SAFETY PRECAUTIONS AND PROCEDURES USED TO CONSTRUCT THE WORK.
- B. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL (INCLUDING TAXES) AND EQUIPMENT AS NECESSARY TO COMPLETE THE WORK. PERMITS SHALL BE OBTAINED AND PAID FOR BY THE RESPECTIVE CONTRACTOR, INCLUDING TEMPORARY OCCUPANCY PERMIT IF REQUIRED.

01 32 00 SCHEDULING OF WORK

- A. THE CONTRACTOR SHALL OBTAIN THE OWNER'S APPROVAL OF THE CONSTRUCTION SCHEDULE PRIOR TO PROCEEDING WITH THE WORK.

01 33 23 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

- A. SUBMIT FIVE (5) COPIES OF ARCHITECTURAL AND STRUCTURAL SHOP DRAWINGS TO BLOWFISH ARCHITECTS, LLC FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

ELECTRONIC SUBMISSION OF SHOP DRAWINGS IN PORTABLE DOCUMENT FORMAT (PDF) IS THE PREFERRED METHOD OF TRANSMITTAL. SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTING FOR APPROVAL. SHOP DRAWING SUBMITTALS MUST BE 100% COMPLETE AND IN ONE (1) PACKAGE FOR THE ITEM BEING SUBMITTED. NON-COMPLETE SHOP DRAWINGS OR PARTIAL ITEM SHOP DRAWINGS WILL BE RETURNED TO THE CONTRACTOR WITHOUT COMMENT AND STAMPED "REJECTED-RESUBMIT." CONTRACTORS WHO KNOWINGLY WANT TO SUBMIT NON-COMPLETE SHOP DRAWINGS OR BREAK SINGLE ITEM SHOP DRAWINGS INTO MULTIPLE SUBMITTALS WILL BE RESPONSIBLE TO MAKE ARRANGEMENTS WITH BLOWFISH ARCHITECTS, LLC, PRIOR TO SUBMITTING THE SHOP DRAWING(S), TO COMPENSATE BHA FOR THE EXTRA WORK INVOLVED. NON-STRUCTURAL ITEMS AND SAMPLES FOR FINISHES ARE TO BE SUBMITTED TO BLOWFISH ARCHITECTS, LLC FOR APPROVAL PRIOR TO INSTALLATION. AT A MINIMUM, PROVIDE THE FOLLOWING SUBMITTALS:

-ARCHITECTURAL-

DOORS, FRAMES AND HARDWARE

-STRUCTURAL-

MISCELLANEOUS STEEL
STEEL STAIRS

01 40 00 QUALITY REQUIREMENTS

- A. IN AS MUCH AS THE SPECIFICATIONS ARE BRIEF, THE CONTRACTOR SHALL PROVIDE WORKMANSHIP THAT IS NEAT, SECURE AND OF THE BEST QUALITY WITH THE BEST POSSIBLE APPEARANCE AND UTILITY MEETING ALL APPLICABLE STANDARDS. FAULTY WORK SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER. INDUSTRY STANDARDS SHALL BE USED AS THE GUIDE FOR QUALITY OF MATERIALS AND WORKMANSHIP.

01 41 00 REGULATORY REQUIREMENTS

- A. ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS, INCLUDING THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (A.D.A.) ARE MADE PART OF THESE SPECIFICATIONS AND SHALL BE COMPLIED WITH AS FAR AS THEY APPLY TO WORK UNDER THIS CONTRACT.

01 45 00 QUALITY CONTROL

- A. THE CONTRACTOR SHALL CONTACT BLOWFISH ARCHITECTS, LLC (2) WORKING DAYS PRIOR TO POURING CONCRETE FOOTINGS AND BEFORE THE STRUCTURAL SYSTEM HAS BEEN ENCLOSED. A FINAL INSPECTION WILL BE MADE BY BLOWFISH ARCHITECTS, LLC UPON COMPLETION OF THE PROJECT.
- B. NOTIFY ARCHITECT ONE WEEK IN ADVANCE TO SCHEDULE FINAL COMPLIANCE WALK-THRU. PRIOR TO THIS WALK THRU, PROVIDE THE ARCHITECT WITH THE FIRE PROTECTION SYSTEM TEST REPORT AND A COPY OF THE ELEVATOR INSPECTION REPORT AS APPLICABLE. ALL COMPONENT SUBMITTALS SHOULD BE FILED AND AVAILABLE FOR REVIEW AT THE WALK THRU. THE BUILDING SHALL BE COMPLETE AND ALL SYSTEMS OPERATIONAL AT THE TIME OF THE WALK THRU. IF THE ARCHITECT IS REQUIRED TO MAKE ADDITIONAL VISITS DUE TO NON-COMPLIANCE, THEY WILL BE CHARGED TO THE REQUESTING CONTRACTOR.

01 52 00 CONSTRUCTION FACILITIES

- A. THE CONTRACTOR SHALL FURNISH TEMPORARY OFFICE, TOILET FACILITIES, WORKING TELEPHONE, ELECTRICITY, HEAT, WATER AND FIRE EXTINGUISHERS AS REQUIRED FOR COMPLETION OF THE WORK UNLESS THE OWNER HAS AGREED IN WRITING TO FURNISH OR WAIVE ANY OF THE ABOVE ITEMS.

01 53 00 TEMPORARY CONSTRUCTION

- A. THE CONTRACTOR SHALL FURNISH TEMPORARY BRACING OF ALL BUILDING ELEMENTS DURING CONSTRUCTION. TEMPORARY BRACING SYSTEMS SHALL BE DESIGNED TO WITHSTAND CODE DESIGN LOADS. CONTRACTOR SHALL RETAIN SERVICES OF A PROFESSIONAL ENGINEER TO DESIGN AND SUPERVISE BRACING INSTALLATION IF THEY DO NOT HAVE THE EXPERTISE REQUIRED.

01 71 00 FIELD ENGINEERING

- A. THE CONTRACTOR SHALL PROVIDE ALL LAYOUT AS REQUIRED, COMPETENT FULL TIME ON SITE SUPERVISORY, AND BRIDGE CLEANING OF CONSTRUCTION SITE INCLUDING DUMPSTERS FOR REFUSE DISPOSAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY ON SITE AND PROTECTION OF SITE PER LOCAL, STATE AND FEDERAL REQUIREMENTS.

01 78 00 CLOSEOUT SUBMITTALS

- A. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS REFLECTING ALL CHANGES DURING CONSTRUCTION. PROVIDE TWO (2) COPIES OF OPERATING AND MAINTENANCE MANUALS TO OWNER FOR ALL FURNISHED EQUIPMENT.

01 78 36 WARRANTIES

- A. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION OF THE PROJECT. FURNISH MANUFACTURER'S WRITTEN WARRANTIES FOR SPECIFIED EQUIPMENT STATING EFFECTIVE WARRANTY DATE.

DIVISION 02 EXISTING CONDITIONS

02 41 13 SELECTIVE STRUCTURAL DEMOLITION

- A. CONDUCT DEMOLITION AND DEBRIS REMOVAL OPERATIONS TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- B. IT IS UNKNOWN WHETHER HAZARDOUS MATERIALS WILL BE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER.
- C. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS SHOWN ON THE DEMOLITION PLANS. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.
- D. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED OR TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA APPROVED LANDFILL.

DIVISION 03 CONCRETE

03 30 00 CAST-IN-PLACE CONCRETE

- A. DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO ACI 318 BUILDING CODE AND CRSI MANUAL OF STANDARD PRACTICE.
- B. CONCRETE SLAB CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF GEOTECHNICAL REPORT OR CONSTRUCTION DOCUMENTS.
- C. SEE SHEET S3.0 FOR ADDITIONAL SPECIFICATIONS.
- D. THE SLAB-ON-GRADE FLOOR FLATNESS/LEVELNESS SHALL MEET TO THE FOLLOWING CRITERIA:
- TOP OF FLOOR ELEVATION SHALL BE WITHIN 3/4" OF DESIGN ELEVATION IN ACCORDANCE TO ACI 117 TOLERANCES
 - THE SPECIFIED OVERALL VALUE FOR THE FLOOR FLATNESS/LEVELNESS IS AS FOLLOWS:
 - NONCRITICAL MECHANICAL ROOMS, NONPUBLIC AREAS, AND PARKING - F₂₀/F₁₅.
 - CARPETED AREAS IN COMMERCIAL OFFICE, INDUSTRIAL BUILDING - F₂₅ / F₂₀.
 - THIN-SET FLOORING, WAREHOUSE - F₃₅ / F₂₅.
 - WAREHOUSE WITH AIR-PALLET USE, ICE RINKS - F₄₅ / F₃₅.
 - CRITICAL AREAS AS INDICATED ON PLAN - >F₆₀ / >F₅₀.
 - THE MINIMUM LOCAL VALUE FOR THE FLOOR FLATNESS/LEVELNESS SHALL NOT BE LESS THAN 67% OF THE SPECIFIED OVERALL VALUE
 - CONTRACTOR SHALL REPLACE AREAS THAT DO NOT MEET THESE CRITERIA.
- E. FOUNDATION WALLS EXPOSED 2 FEET OR MORE, RETAINING WALLS, AND BASEMENT WALLS SHALL HAVE CONTROL JOINTS AS DETAILED ON PLANS. WALLS WITH MASONRY OR BRICK CONSTRUCTION ABOVE SHALL HAVE CONTROL JOINTS ALIGNED WITH MASONRY / BRICK JOINTS. ALL EXPOSED FOUNDATION WALLS TO HAVE TIES AND FINS REMOVED PER ACI 301-99, 5.3.3.4.A "SMOOTH--FORM FINISH." AND BE HAND RUBBED PER ACI 301-99, 5.3.3.4.A "SMOOTH-RUBBED FINISH"
- F. BACKFILLING OF FOUNDATIONS
- BACKFILLING OF OPPOSITE SIDES OF UNBRACED FOUNDATION WALLS SHALL MAINTAIN A MAXIMUM 2 FOOT DIFFERENTIAL IN ELEVATION PRIOR TO ACHIEVING FINAL SPECIFIED GRADE.
 - TEMPORARY CONSTRUCTION BRACING DURING BACKFILLING
 - FOUNDATION WALLS WITH PERMANENT TOP LATERAL SUPPORTS SHALL BE TEMPORARILY BRACED UNTIL TOP SUPPORT SYSTEMS ARE INSTALLED.

TEMPORARY CONSTRUCTION BRACING SHALL BE DESIGNED AND INSTALLED BY THE CONTRACTOR.

- G. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. IN HOT, DRY, AND WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELLING.
- H. LIMIT MAXIMUM WATER-CEMENTITIOUS RATIO OF CONCRETE EXPOSED TO FREEZING, THAWING AND DEICING SALTS TO 0.45.

DIVISION 04 MASONRY

04 20 00 UNIT MASONRY

- A. SEE SHEET S3.0 FOR ADDITIONAL SPECIFICATIONS.
- B. MASONRY CONSTRUCTION AND MATERIALS SHALL COMPLY WITH LOCAL AND STATE CODE REQUIREMENTS, SPECIFICATIONS OF NCMA, MASONRY STANDARDS JOINT COMMITTEE'S SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-99/ASCE 6-99/TMS 602-99) AND THE FOLLOWING:
- UNITS SHALL BE FLUSH FACED AND/OR ARCHITECTURAL FACED AS SHOWN ON THE DRAWINGS.
 - UNIT DIMENSIONS SHALL BE EQUAL TO STANDARD UNIT CMU AS MANUFACTURED BY COUNTY MATERIALS CORPORATION OR EQUIVALENT. CHIPPED, CRACKED AND BROKEN UNITS SHALL NOT BE USED.
 - UNIT PROPERTIES SHALL MEET THE NORMAL WEIGHT-ASTM C90 SPECIFICATION WITH A MINIMUM UNIT COMPRESSIVE STRENGTH OF 3,750 PSI. EXTERIOR MASONRY SHALL BE MADE WITH INTEGRAL WATER REPELLENT UNITS (ADMIXTURE TO BE FROM SAME MANUFACTURER AS THE MORTAR). UNITS SHALL BE LAID IN RUNNING BOND, SINGLE WYTHE OR BACKUP WYTHE WALLS SHALL HAVE STANDARD GALVANIZED "DUR-O-WAL" OR EQUAL LADDER TYPE REINFORCING AT 16" ON CENTER, PROVIDE CONTINUITY AT WALL INTERSECTIONS BY USING PREFABRICATED T-SHAPED LADDER TYPE REINFORCING. PROVIDE CONTINUITY AT ALL CORNERS BY USING PREFABRICATED L-SHAPED LADDER TYPE REINFORCING. LAP ALL REINFORCEMENT 6". VERTICAL AND HORIZONTAL REINFORCING BARS SHALL BE ASTM A615 GRADE 60.
 - MORTAR SHALL BE TYPE M OR S PORTLAND-CEMENT LIME MIX WITH INTEGRAL WATER REPELLENT ADMIXTURE (ADMIXTURE TO BE FROM THE SAME MANUFACTURER AS THE MASONRY UNITS) PER MANUFACTURERS RECOMMENDATIONS ON EXTERIOR MASONRY. USE TYPE M BELOW GRADE.
 - UNITS SHALL HAVE CONCAVE TOOL JOINTS FOR WEATHER TIGHTNESS. JOINTS SHALL BE CLEAN, STRAIGHT, PLUMB, LEVEL AND UNIFORM.
 - ALL MASONRY WORK SHALL BE PERFORMED BY SKILLED WORKMEN IN A COMPETENT MANNER AND SHALL BE PROPERLY INSPECTED.
 - PROVIDE WRITTEN PLANT CERTIFICATION TO BLOWFISH ARCHITECTS, LLC PRIOR TO START OF CONSTRUCTION THAT INTEGRAL WATER REPELLANT ADMIXTURE HAS BEEN INCLUDED IN THE MASONRY AND MORTAR PRODUCTS USED FOR THIS PROJECT. CERTIFICATION TO SPECIFICALLY NAME THIS PROJECT.
- C. INSTALL 2 5/8" X 3 1/2" X 1/2" "MORTAR NET" WEEP VENTS AT TOP AND BOTTOM COURSE OF EXTERIOR BLOCK, ABOVE LINTELS AND BOND BEAMS AT 32" ON CENTER OR AS INDICATED ON THE DRAWINGS. COLOR OF WEEP VENTS AND MESH TO MATCH GROUT. INSTALL CONTINUOUS "BLOC-FLASH" FLASHING PANS PER MANUFACTURERS RECOMMENDATIONS AT BASE AND TOP OF LINTEL OF SINGLE WYTHE EXTERIOR WALLS.
- D. ALL EXTERIOR CONCRETE MASONRY SURFACES SHALL BE SEALED WITH (1) COAT "PROSOCO-SURE KLEAN BLOK-GUARD AND GRAFFITI CONTROL" UNLESS A PREMIUM COLOR IS USED OR SPECIFIED ON THE DRAWINGS TO BE PAINTED. PREMIUM COLORS SHALL BE SEALED WITH (2) COATS "PROSOCO-SURE KLEAN BLOK-GUARD AND GRAFFITI CONTROL". INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- E. CONTROL JOINTS SHALL BE SPACED PER NCMA 10-2B: CONTROL JOINTS FOR CONCRETE MASONRY WALLS - EMPIRICAL METHOD AND AS INDICATED ON PLANS. CONTROL JOINT CAULK COLOR TO MATCH COLOR OF THE FIELD MASONRY ADJACENT TO JOINT. CONTROL JOINTS TO ALIGN WITH EXPOSED CONCRETE FOUNDATION WALL JOINTS IF APPLICABLE.

DIVISION 05 METALS

05 12 00 STRUCTURAL STEEL FRAMING

- A. STRUCTURAL STEEL FRAMING SHALL BE OF MATERIAL AS LISTED BELOW AND SHALL BE DETAILED, FABRICATED AND ERECTED TO COMPLY WITH A.I.S.C. MANUAL, NINTH EDITION. PROVIDE ALL HOLES, ANCHOR BOLTS, BEARING PLATES, LINTELS, STIFFENERS, CLIP ANGLES, WELD PLATES, EMBEDMENTS, STAIRS, ETC. AS REQUIRED FOR STEEL STRUCTURE FABRICATION AS SHOWN ON THE DRAWINGS. ALL WELDING SHALL BE PERFORMED BY A LOCAL AND STATE CERTIFIED WELDER. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO REQUIREMENTS OF ASTM A325. ALL WORK PER THE A.I.S.C.'S CODE OF STANDARD PRACTICE IN ACCORDANCE WITH LOCAL AND STATE CODES.
- B. STEEL GRADES SHALL BE AS LISTED BELOW UNLESS INDICATED OTHERWISE:
- STEEL WIDE FLANGE BEAMS: ASTM A992 OR ASTM A572, MIN. 50 KSI YIELD
 - STEEL WIDE FLANGE COLUMNS: ASTM A992 OR ASTM A572, MIN. 50 KSI YIELD
 - STEEL CHANNELS, ANGLES, PLATES, EMBEDMENTS, STAIRS, S-SHAPES, ETC.: ASTM A36.
 - STEEL PIPE: ASTM A53 TYPE E OR S GRADE B.
 - STEEL TUBES: ASTM A500 GRADE B.
- C. STEEL FINISHES:
- ALL STEEL SHALL BE PREFINISHED WITH ONE COAT OF PRIMER UNLESS INDICATED OTHERWISE.
 - ALL FIELD WELDS TO BE CLEANED AND PRIMED.
 - SEE HIGH PERFORMANCE PAINT SPECIFICATION FOR FOOD PROCESSING AREAS.

DIVISION 6 WOOD, PLASTICS AND COMPOSITES

06 10 00 ROUGH CARPENTRY

- A. MISCELLANEOUS LUMBER: PROVIDE NO. 3 OR STANDARD GRADE LUMBER OF ANY SPECIES FOR SUPPORT OR ATTACHMENT OF OTHER CONSTRUCTION, INCLUDING ROOFTOP EQUIPMENT CURBS AND SUPPORT BASES, CANT STRIPS, BUCKS, NAILERS, BLOCKING, AND SIMILAR MEMBERS.

06 20 13 EXTERIOR FINISH CARPENTRY

- A. INSTALL EXTERIOR FINISH CARPENTRY LEVEL, PLUMB, TRUE, AND ALIGNED WITH ADJACENT MATERIALS.
- B. SCRIBE AND CUT EXTERIOR FINISH CARPENTRY TO FIT ADJOINING WORK. REFINISH AND SEAL CUTS AS RECOMMENDED BY MANUFACTURER.
- C. INSTALL TRIM WITH MINIMUM NUMBER OF JOINTS PRACTICAL, USING FULL LENGTH PIECES FROM MAXIMUM LENGHTS OF LUMBER AVAILABLE.
- D. INSTALL EXTERIOR FINISH CARPENTRY TO COMPLY WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
- E. SEE PLANS FOR SIDING, TRIM/FACIA, SOFFIT, ETC MATERIAL TYPE AND LOCATION.

DIVISION 07 THERMAL AND MOISTURE PROTECTION

07 21 00 INSULATION

- A. ALL INSULATION MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL AND STATE CODES.
- B. PRODUCT: **FOUNDATION INSULATION** TO BE STYROFOAM SQUARE EDGE EXTRUDED LYSTYRENE INSULATION PANELS, 25 PSI STRENGTH, R-VALUE OF 5 PER INCH OR GOLD-GUARD FOUNDATION PERIMETER INSULATION, EXPANDED POLYSTYRENE WITH SQUARE EDGE, 15 PSI COMPRESSIVE STRENGTH, R-VALUE 4.17 PER INCH. R-VALUE AS INDICATED ON PLANS.
- MANUFACTURER: DOW OR PLYMOUTH FOAM.
- C. PRODUCT: **BELOW SLAB INSULATION** TO BE STYROFOAM SQUARE EDGE WITH A COMPRESSIVE STRENGTH OF 25 PSI AND AN R-VALUE OF 5 PER INCH OR GOLD-GUARD 25VB WITH A COMPRESSIVE STRENGTH OF 25 PSI AND AN R-VALUE OF 4.35 PER INCH. R-VALUE AS SPECIFIED ON PLANS.
- MANUFACTURER: DOW OR PLYMOUTH FOAM.
- D. FOLLOW MANUFACTURER'S INSTRUCTIONS ON PRODUCT STORAGE AND HANDLING.
- E. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS SHOWN ON PLANS.

07 84 13 PENETRATION FIRE STOPPING:

- A. WALL PENETRATIONS:
- AT LOCATIONS WHERE STRUCTURAL MEMBERS OR OTHER ARCHITECTURAL BUILDING COMPONENTS PENETRATE FIRE RATED WALLS OR FLOORS, PROVIDE FIRE SAFING INSULATION AND/OR FIRE SAFING CAULK TO SEAL THE OPENING IN THE WALL OR FLOOR. CONFIGURATION OF THE FIRE SAFING MATERIAL SHALL CONFORM TO TESTED ASSEMBLIES MEETING THE RATING REQUIREMENTS OF THE WALL OR FLOOR PENETRATED.
 - AT LOCATIONS WHERE FIRE-RATED WALLS MEET THE UNDERSIDE OF FLOORS OR ROOFS, PROVIDE FIRE SAFING INSULATION AND/OR FIRE SAFING CAULK TO SEAL THE OPENING BETWEEN THE TOP OF THE WALL AND ROOF DECK OR FLOOR ASSEMBLY. CONFIGURATION OF THE FIRE SAFING MATERIAL SHALL CONFORM TO TESTED ASSEMBLIES MEETING THE RATING REQUIREMENTS OF THE WALL OR FLOOR ASSEMBLY.
 - SEE MECHANICAL ELECTRICAL, PLUMBING AND FIRE PROTECTION SPECIFICATIONS FOR FIRE SAFING AT PENETRATIONS OF RATED WALLS OR FLOORS BY CONDUITS, WIRING, PIPING, DUCTWORK, AND OTHER MECHANICAL ELECTRICAL ITEMS.
 - FIRE SAFING INSULATION SHALL BE "THERMAFIBER", SAFING INSULATION, FIRE SAFING INSULATION SHALL BE "THERMAFIBER", SAFING INSULATION, AS MANUFACTURED BY UNITED STATES GYPSUM INTERIORS COMPANY OR EQUAL.
 - FIRE SAFING COMPOUND SHALL BE "FIRECODE COMPOUND", AS MANUFACTURED BY UNITED STATES GYPSUM INTERIORS COMPANY OR EQUAL.
 - WRAP STRIPS SHALL BE "F5-155 WRAP STRIP", AS MANUFACTURED BY UNITED STATES GYPSUM INTERIORS COMPANY OR EQUAL.
 - AT LOCATIONS WHERE STRUCTURAL MEMBERS OR OTHER ARCHITECTURAL BUILDING COMPONENTS PENETRATE SMOKE PARTITIONS, OR FLOORS REQUIRING RESISTANCE TO THE PASSAGE OF SMOKE OR OTHER PRODUCTS OF COMBUSTION, PROVIDE SMOKE SEALING COMPOUND TO SEAL THE OPENING IN THE WALL OR FLOOR. CONFIGURATION OF THE SMOKE SEALING MATERIAL SHALL CONFORM TO TESTED ASSEMBLIES MEETING THE RATING REQUIREMENTS OF THE WALL OR FLOOR PENETRATED.
 - SEE MECHANICAL ELECTRICAL, PLUMBING AND FIRE PROTECTION SPECIFICATIONS FOR SMOKE SEALING AT PENETRATIONS OF RATED WALLS OR FLOORS BY CONDUITS, WIRING, PIPING, DUCTWORK, AND OTHER MECHANICAL, ELECTRICAL ITEMS.
 - SMOKE SEALING INSULATION SHALL BE "THERMAFIBER SMOKE SEAL COMPOUND", AS MANUFACTURED BY UNITED STATES GYPSUM INTERIORS COMPANY OR EQUAL.

07 92 00 SEALANTS

- A. GENERAL: IT IS THE INTENTION OF THIS SPECIFICATION THAT ALL JOINTS ARE TO RECEIVE SEALANT. SEALANT SHALL BE APPLIED IN ALL LOCATIONS INDICATED ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING BUT NOT LIMITED TO: JOINT WIDTH, SURFACE PREPARATION, PRIMERS, APPLICATION TEMPERATURE, AND MATERIAL STORAGE. SEALANT IS TO BE APPLIED AFTER FINISH OPERATIONS ARE COMPLETE, UNLESS OTHERWISE NOTED IN THE MANUFACTURER'S INSTRUCTIONS, APPROPRIATE SIZED BACKER RODS AND BOND BREAK IS REQUIRED AT ALL JOINTS.
- B. EXTERIOR:
- SEAL PERIMETER OF ALL WINDOWS, DOORS, LOUVERS, VENT OPENINGS, AND ANY LOCATION WHERE DIFFERENT MATERIALS MEET, WITH SEALANT TYPE ES-1.
 - SEAL JOINTS AT ROOF OPENINGS, EAVES, AND SOFFITS, FOR A WATERTIGHT CONNECTION WITH SEALANT TYPE ES-2.
 - SEAL THRESHOLDS TO SUBSTRATE WITH SEALANT TYPE ES-3.
 - SEAL ALL CMU CONTROL JOINTS, JOINTS IN PRE-CAST CONCRETE PANELS, AND JOINTS BETWEEN PRE-CAST COMPONENTS AND MASONRY OR OTHER PRE-CAST OR CAST-IN--PLACE CONCRETE, WITH SEALANT TYPE ES-4.
 - SEAL ALL JOINTS IN TRAFFIC SURFACES SUCH AS CONCRETE PAVEMENT, SIDEWALKS, AND PADS WITH SEALANT TYPE ES-5. (USE ES-6 AT SURFACES SLOPING IN EXCESS OF 1/2" PER FOOT).
- C. INTERIOR:
- SEAL ALL CMU CONTROL JOINTS, JOINTS IN PRE-CAST CONCRETE PANELS, AND JOINTS BETWEEN PRE-CAST COMPONENTS AND MASONRY OR OTHER PRE-CAST OR CAST-IN--PLACE CONCRETE, WITH SEALANT TYPE ES-4.



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FEB. 3, 2022

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GENERAL BUILDING SPECIFICATIONS (CONT.):

2. SEAL JOINTS IN EXPOSED CONCRETE SLABS IN WITH SEALANT TYPE ES-7.
3. SEAL UNDER BASE TRACK FOR DRYWALL PARTITIONS, INTERIOR DOOR AND WINDOW FRAMES, AND WALL ANGLE AT SUSPENDED CEILINGS WITH SEALANT TYPE AS-1.
- D. SEALANT SCHEDULE: (SIMILAR PRODUCTS BY OTHER MANUFACTURERS MAY BE SUBMITTED FOR APPROVAL.)
1. ES-1: TREMCO "DYMONIC FC" ONE PART HIGH PERFORMANCE POLYURETHANE SEALANT.
2. ES-2: TREMCO "GUTTER SEAL" SYNTHETIC RUBBER AND RESIN SEALANT.
3. ES-3: TREMCO "BUTYL SEALANT"
4. ES-4: TREMCO "VULKEM 116" ONE PART LOW MODULUS POLYURETHANE SEALANT.
5. ES-5: TREMCO "VULKEM 45" ONE PART, SELF LEVELING, POLYURETHANE SEALANT.
6. ES-6: TREMCO "VULKEM 45SSL" ONE PART, SELF LEVELING, POLYURETHANE SEALANT.
7. ES-7: VERSA-FLEX "SL85" TWO PART, SELF-LEVELING, POLYUREA SEALANT.
8. AS-1: DAP "ALEX PLUS" PAINTABLE ACRYLIC-SILICONIZED SEALANT.

DIVISION 08 OPENINGS

08 11 13 HOLLOW METAL DOORS AND FRAMES

- A. HOLLOW METAL FRAMES: COMPLY WITH ANSI/SDI A250.11.
1. SET FRAMES ACCURATELY IN POSITION, PLUMBED, ALIGNED, AND BRACED SECURELY UNTIL PERMANENT ANCHORS ARE SET. AFTER WALL CONSTRUCTION IS COMPLETE, REMOVE TEMPORARY BRACES, LEAVING SURFACES SMOOTH AND UNDAMAGED.
a.) AT FIRE-PROTECTION-RATED OPENINGS, INSTALL FRAMES ACCORDING TO NFPA80
- B. HOLLOW METAL DOORS: FIT HOLLOW METAL DOORS ACCURATELY IN FRAMES, WITHIN CLEARANCES. SHIM AS NECESSARY.
1. FIRE-RATED DOORS: INSTALL DOORS WITH CLEARANCES ACCORDING TO NFPA80
2. SMOKE-CONTROL DOORS: INSTALL DOORS ACCORDING TO NFPA105
- C. SEE PLAN FOR PRODUCT SPECIFICATION AND LOCATION. FURNISH AND INSTALL ALL DOORS AND FRAMES AS INDICATED ON THE PLANS

08 36 13 SECTIONAL DOORS

- A. INSTALL SECTIONAL DOORS AND OPERATING EQUIPMENT COMPLETE WITH NECESSARY HARDWARE, ANCHORS, INSERTS, HANGERS, AND EQUIPMENT SUPPORTS; ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND AS SPECIFIED.
- B. TRACKS: PROVIDE SWAY BRACING, DIAGONAL BRACING, AND REINFORCEMENT AS REQUIRED FOR RIGID INSTALLATION OF TRACK AND DOOR-OPERATING EQUIPMENT. REPAIR GALVANIZED COATING ON TRACKS ACCORDING TO ASTM A 780.
- C. ADJUST HARDWARE AND MOVING PARTS TO FUNCTION SMOOTHLY SO THAT DOORS OPERATE EASILY, FREE OF WARP, TWIST, OR DISTORTION. ADJUST DOORS AND SEALS TO PROVIDE WEATHERTIGHT FIT AROUND ENTIRE PERIMETER.
- D. SEE PLAN FOR PRODUCT SPECIFICATION AND LOCATION. FURNISH AND INSTALL ALL DOORS AS INDICATED ON THE PLANS

08 71 00 HARDWARE

- A. REQUIREMENTS
1. ALL LOCKSETS SHALL BE LEVER TYPE AS REQUIRED TO MEET REQUIREMENTS OF A.D.A.
2. ALL OTHER HARDWARE SHALL CONFORM TO THE REQUIREMENTS OF A.D.A.
3. ALL EXIT DOORS SHALL BE EQUIPPED WITH LEVER TYPE OR PANIC TYPE EXIT HARDWARE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A LATCH, KEY OR BOLT.
CONTRACTOR TO COORDINATE KEYING SCHEDULE WITH OWNER.
- B. MOUNTING HEIGHTS: MOUNT DOOR HARDWARE UNITS AT HEIGHTS REQUIRED TO COMPLY WITH GOVERNING REGULATIONS
- C. INSTALL EACH DOOR HARDWARE ITEM TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS
- D. THRESHOLDS: SET THRESHOLDS FOR EXTERIOR AND ACOUSTICAL DOORS IN FULL BED OF SEALANT
- E. ADJUSTMENT: ADJUST AND CHECK EACH OPERATING ITEM OF DOOR HARDWARE AND EACH DOOR TO ENSURE PROPER OPERATION OR FUNCTION OF EVERY UNIT. REPLACE UNITS THAT CANNOT BE ADJUSTED TO OPERATE AS INTENDED. ADJUST DOOR CONTROL DEVICES TO COMPENSATE FOR FINAL OPERATION OF HEATING AND VENTILATING EQUIPMENT AND TO COMPLY WITH REFERENCED ACCESSIBILITY REQUIREMENTS
- F. SEE PLAN FOR PRODUCT SPECIFICATION AND LOCATION. FURNISH AND INSTALL ALL HARDWARE AS INDICATED ON THE PLAN.

08 80 00 GLAZING

- A. COMPLY WITH COMBINED WRITTEN INSTRUCTIONS OF MANUFACTURERS OF GLASS, SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED, INCLUDING THOSE IN REFERENCED GLAZING PUBLICATIONS.
- B. PROTECT GLASS EDGES FROM DAMAGE DURING HANDLING AND INSTALLATION. REMOVE DAMAGED GLASS FROM PROJECT SITE AND LEGALLY DISPOSE OF OFF PROJECT SITE. DAMAGED GLASS IS GLASS WITH EDGE DAMAGE OR OTHER IMPERFECTIONS THAT, WHEN INSTALLED, COULD WEAKEN GLASS AND IMPAIR PERFORMANCE AND APPEARANCE.
- C. PROVIDE SAFETY GLASS IN ALL GLAZING AS LISTED BELOW UNLESS NOTED OTHERWISE:
1. WHERE REQUIRED BY FEDERAL, STATE AND LOCAL CODES.
- D. SAFETY GLASS REQUIREMENTS
1. SAFETY GLASS SHALL BE, BUT NOT LIMITED TO
a.) TEMPERED GLASS
b.) LAMINATED GLASS
c.) SAFETY PLASTIC
d.) SAFETY INSULATING UNITS WHICH MEET THE TEST REQUIREMENTS OF ANSI Z97.1, AND WHICH ARE CONSTRUCTED, TREATED, OR COMBINED WITH OTHER MATERIALS SO AS TO MINIMIZE THE LIKELIHOOD OF CUTTING

- AND PIERCING INJURIES RESULTING FROM HUMAN IMPACT WITH THE GLAZING MATERIAL.
2. ALL SAFETY GLAZING MATERIAL SHALL BE LABELED PER LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- E. SEE PLAN FOR PRODUCT SPECIFICATION AND LOCATION. FURNISH AND INSTALL THE GLAZING AS INDICATED ON THE PLAN.

DIVISION 09 FINISHES

09 01 00 FINISHES

- A. REQUIREMENTS
1. PROVIDE AND INSTALL ALL FINISHES AS INDICATED ON PLANS.
2. INSTALL ALL MATERIALS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. "FINISH" INSTALLER INSPECT SUBSURFACE AND PREPARE AS PER MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION OF PRODUCT.
4. ALL FINISHES TO MEET ALL CODE REQUIREMENTS AND REGULATIONS INCLUDING FLAME SPREAD AND SMOKE DEVELOPMENT.
- B. EXTRA MATERIAL
1. PROVIDE NEW, EXTRA MATERIAL OF EACH FINISH TYPE AND COLOR TO BE TURNED OVER TO OWNER AT JOB COMPLETION FOR THE FOLLOWING ITEMS:
a.) PAINT: PROVIDE 1 GALLON FOR FIELD COLORS AND 1 QUART FOR ACCENT COLORS APPLIED

09 91 00 PAINTING

- A. REMOVE AND/OR PROTECT ALL HARDWARE, HARDWARE ACCESSORIES, MACHINED SURFACES, PLATES, LIGHTING FIXTURES, SPRINKLER HEADS AND SIMILAR ITEMS THAT ARE NOT TO BE PAINTED, BUT REQUIRE PROTECTION FROM THE PAINTING PROCESS. RE-INSTALL SAME AFTER COMPLETION OF PAINTING. MASK OFF ALL NAMEPLATES, EQUIPMENT IDENTIFICATION AND SIMILAR ITEMS. REMOVE AND REINSTALL OF ITEMS IS TO BE DONE BY CONTRACTOR SKILLED IN SUCH WORK.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PREPARATION OF ALL SURFACES PRIOR TO THE PAINTING INSTALLATION
- C. THE FINISH PRODUCT SHALL HAVE A CONSISTENT, SMOOTH APPEARANCE OF THE SPECIFIED LUSTER.
- D. APPLY PAINT PER MANUFACTURER'S TEMPERATURE AND HUMIDITY REQUIREMENTS.
- E. COMPLETED WORK SHALL BE FREE FROM DEFECTS AND FLAWS.
- F. FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND SCAFFOLDING REQUIRED FOR COMPLETING SURFACE PREPARATION, PAINTING, FINISHING AND RELATED ITEMS.
- G. EXCESS MATERIALS, CONTAINERS AND OTHER ITEMS NECESSARY FOR THE COMPLETION OF THE WORK MUST BE DISPOSED OF IN A MANNER THAT MEETS OR EXCEEDS THE STRICTEST LAWS GOVERNING THE PROJECT'S MUNICIPALITY AND/OR STATE. THE PAINTING CONTRACTOR IS RESPONSIBLE FOR COMPLETE ADHERENCE TO ALL DISPOSAL REGULATIONS.
- H. PAINT ALL EXPOSED MISCELLANEOUS ITEMS, FINISHED OR UNFINISHED (EX. H.V.A.C. RETURN AIR GRILLES, CONDUIT, ETC.) TO MATCH ADJOINING WALL SURFACES.
- I. CONTRACTOR TO VERIFY THAT PAINT IS COMPATIBLE WITH PRIMER OF SHOP PRIMED SURFACES. NOTIFY BLOWFISH ARCHITECTS, LLC IF THERE ARE ANY COMPATIBILITY ISSUES.
- J. THE CONTRACTOR SHALL KEEP EMPTY CONTAINERS ON THE PROJECT SITE UNTIL ALL PRODUCTS ARE VERIFIED AS TO COLOR AND/OR SHEEN. THE CONTRACTOR SHALL LEAVE WITH THE OWNER ALL OPENED PAINT CONTAINERS.
- K. EXTERIOR ITEMS:
1. FERROUS METAL (PRIMED): STRUCTURAL STEEL, MISCELLANEOUS IRON, HANDRAILS, HOLLOW METAL DOORS AND FRAMES, ROOF STRUCTURE, EXPOSED ROOF PIPING, ETC.:
a.) ALKYD SHOP PRIMER ON METAL
b.) 1 COAT S-W KEM BOND HS UNIVERSAL METAL PRIMER B60 SERIES.
c.) 2 COATS METALATEX SEMI-GLOSS COATING B42 SERIES.
2. GALVANIZED:
a.) 2 COATS S-W METALATEX SEMI-GLOSS COATING B42 SERIES.
3. CONCRETE:
a.) 1 COAT S-W LOXON XP A24W300 SERIES (8 MILS WET, 3.2 MILS DRY)
b.) 2 COAT S-W A-100 EXTERIOR LATEX SATIN A83 SERIES (4 MILS WET, 1.4 MILS DRY).

L. INTERIOR ITEMS:

1. FERROUS METAL (PRIMED, BRUSH/ROLLER) – DOORS, FRAMES, HANDRAILS, MISC. METALS, ETC.: ACRYLIC
a.) 1 COAT S-W DTM ACRYLIC PRIMER/FINISH B66W1 (2.5 – 4 MILS DRY/COAT).
b.) 2 COATS S-W DTM ACRYLIC PRIMER/FINISH B66W1 (2.5 – 4 MILS DRY/COAT).
2. GALVANIZED:
a.) BRUSH/ROLLER: 2 COATS S-W DTM ACRYLIC COATING SEMI-GLOSS B66 SERIES (2 MILS DRY/COAT).
b.) SPRAYED: 1 COAT S-W GALVITE HS B50WZ30 (5 MILS WET, 3 MILS DRY) AND 2 COATS S-W SUPER SAVE-LITE HI-TEC DRYFALL B48 SERIES (4 MILS WET, 2 MILS DRY).
3. CONCRETE MASONRY UNITS: SEMI-GLOSS
a.) 1 COAT S-W PREPRITE BLOCK FILLER - WHITE.
b.) 2 COATS S-W PROMAR 200 INTERIOR LATEX SEMI-GLOSS B31 SERIES (4 MILS WET, 1.3 MILS DRY/COAT).

DIVISION 10 SPECIALTIES

10 14 00 SIGNAGE

- A. REQUIREMENTS
1. CONTRACTOR TO FURNISH AND INSTALL SIGNAGE PER LOCAL, STATE, AND FEDERAL CODES AND PER ROOM FINISH SCHEDULE.
2. ALL SIGNAGE SHALL MEET THE REQUIREMENTS OF THE A.D.A. AND ANSI.
3. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.
4. MOUNTING HEIGHT SHALL BE 60" ABOVE FINISH FLOOR TO THE CENTERLINE OF THE SIGN UNLESS INDICATED OTHERWISE.

5. PROVIDE HANDICAP PARKING SIGNS AS INDICATED ON PLANS AND AS REQUIRED BY LOCAL, STATE, AND FEDERAL CODES.

10 44 00 FIRE EXTINGUISHERS

- A. REQUIREMENTS
1. FURNISH AND INSTALL EXTINGUISHERS PER LOCAL, STATE, AND FEDERAL CODES, AND N.F.P.A. NO.10-1978.
2. MOUNT FIRE EXTINGUISHER NOT HIGHER THAN 48" ABOVE FINISH FLOOR UNLESS LOCAL REGULATIONS REQUIRE DIFFERENT HEIGHT.
3. ALL FIRE EXTINGUISHERS AND CABINETS TO MEET THE REQUIREMENTS OF THE A.D.A. AND ANSI A117.1.

DIVISION 13 SPECIAL CONSTRUCTION

13 34 19 PRE-ENGINEERED METAL BUILDING

- A. SEE SHEET S3.0 FOR ADDITIONAL SPECIFICATIONS.
- B. REQUIREMENTS
1. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED FOR LOADS AS INDICATED IN "DESIGN LOADS" SECTION.
2. FURNISH FINAL FOUNDATION LOADS A MINIMUM OF FOUR (4) WEEKS PRIOR TO STEEL DELIVERY. VERIFY SCHEDULE WITH BLOWFISH ARCHITECTS, LLC PRIOR TO PLACING ORDER.
3. THE BUILDING SHALL BE SUPPLIED BY THE CONTRACTOR AS OUTLINED IN THE CONTRACT WITH THE OWNER.
4. THE ERECTION OF THE METAL BUILDING AND THE INSTALLATION OF ACCESSORIES SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S ERECTION DRAWINGS BY A QUALIFIED ERECTOR USING PROPER TOOLS AND EQUIPMENT. ERECTION PRACTICES SHALL, IN ADDITION, CONFORM TO PART IV, MBMA "CODE OF STANDARD PRACTICES." THERE SHALL BE NO FIELD MODIFICATIONS TO PRIMARY STRUCTURAL MEMBERS EXCEPT AS AUTHORIZED AND SPECIFIED BY THE BUILDING MANUFACTURER.
- C. STATE APPROVAL DRAWINGS
1. THE METAL BUILDING SUPPLIER SHALL FURNISH FIVE (5) SETS OF DRAWINGS AND FIVE (5) SETS OF COMPLETE DESIGN CALCULATIONS OF ALL STRUCTURAL COMPONENTS, AND APPLICABLE STRUCTURAL WORKSHEETS AS REQUIRED TO BLOWFISH ARCHITECTS, LLC ALONG WITH AN ORIGINAL SIGNATURE SIGNED AND SEALED BY A WISCONSIN REGISTERED PROFESSIONAL ENGINEER. APPLICABLE STRUCTURAL WORKSHEETS TO INCLUDE:
a.) LATERAL LOAD RESISTING SYSTEMS AND CONNECTIONS WORKSHEET.
b.) STRUCTURAL DESIGN WORKSHEET.
2. BLOWFISH ARCHITECTS, LLC WILL REVIEW AND SUBMIT ONE (1) SET TO THE WISCONSIN DEPARTMENT OF COMMERCE FOR APPROVAL AND DISTRIBUTE RECORD COPIES BACK TO THE CONTRACTOR/OWNER.

DIVISION 21 FIRE SUPPRESSION

21 10 00 FIRE PROTECTION WORK

- REQUIREMENTS
1. SEE FIRE PROTECTION PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE, LOCAL AND APPLICABLE NFPA CODES.
3. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE FIRE PROTECTION WORK IS NOT A PART OF THIS PLAN. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS.

DIVISION 22 PLUMBING

22 05 00 PLUMBING WORK

- A. REQUIREMENTS
1. SEE PLUMBING PLANS FOR SPECIFICATIONS
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES
3. SEPARATE PLANS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE PLUMBING WORK IS NOT A PART OF THIS PLAN.
4. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE A U.L. APPROVED METHODS.

DIVISION 23 HEATING AND VENTILATING AND AIR CONDITIONING

23 05 00 HEATING AND VENTILATION WORK

- A. REQUIREMENTS
1. SEE HVAC PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
3. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL AS THE HEATING AND VENTILATING WORK IS NOT A PART OF THIS PLAN.
4. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS.

DIVISION 26 ELECTRICAL

26 05 00 ELECTRICAL WORK

- A. SEE ELECTRICAL PLANS FOR SPECIFICATIONS.

26 05 00 ELECTRICAL WORK

- A. REQUIREMENTS
1. SEE ELECTRICAL PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
3. SEPARATE PLANS AND CALCULATIONS SHALL BE SUBMITTED TO STATE AND LOCAL AGENCIES BY CONTRACTOR FOR APPROVAL AS THE ELECTRICAL WORK IS NOT A PART OF THIS PLAN.
4. ALL PENETRATIONS THROUGH RATED CONSTRUCTION SYSTEMS SHALL BE OF U.L. APPROVED METHODS.

DIVISION 31 EARTH WORK

31 10 00 SITE CLEARING

- A. REQUIREMENTS
1. SEE CIVIL PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
3. DIGGERS HOTLINE SHALL BE CONTACTED AND ALL UTILITIES SHALL BE LOCATED PRIOR TO STARTING EXCAVATION AND SITE CLEARING.
4. ALL ORGANIC TOPSOIL INSIDE THE BUILDING AREA, UDER PAVED AREAS AND AT SITE FILL AREAS SHALL BE REMOVED. CONTRACTOR SHALL VERIFY TOPSOIL DEPTHS PRIOR TO BIDDING AND CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT AND ACCOUNT FOR EXISTING CONDITIONS PRIOR TO SUBMITTING BID FOR THE PROJECT. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED IN THE PLANS OR BY LOCAL ZONING REQUIREMENTS.

31 20 00 EARTH MOVING

- A. REQUIREMENTS
1. SEE CIVIL PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.
3. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS, UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL LAYER BEFORE COMPACTION AS RECOMMENDED TO ACHIEVE SPECIFIED DRY DENSITY. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, OTHERWISE SATISFACTORY MATERIAL THAT IS TOO WET TO COMPACT TO SPECIFIED DENSITY.
4. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.
5. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698 (STANDARD PROCTOR TEST). FILL MAY NOT BE PLACED ON FROZEN GROUND AND NO FROZEN MATERIALS MAY BE USED FOR BACKFILL.
a. UNDER FOUNDATIONS, SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 95%.
b. UNDER INTERIOR SLABS ON GRADE: PLACE A DRAINAGE COURSE LAYER OF ¾" CRUSHED STONE WITH FINES PER THE THICKNESS INDICATED ON THE PLANS OVER PREPARED SUBGRADE. COMPACT SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95%.
c. UNDER EXTERIOR CONCRETE AND ASPHALT PAVEMENTS: PLACE GRANULAR SUBBASE COURSE ON PREPARED SUBGRADE. COMPACT SUBGRADE AND GRANULAR SUBBASE TO NOT LESS THAN 96%.
d. UNDER WALKWAYS: PLACE GRANULAR SUBBASE COURSE ON PREPARED SUBGRADE. COMPACT SUBGRADE AND GRANULAR SUBBASE TO NOT LESS THAN 95%.
e. UNDER LAWN OR UNPAVED AREAS: COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 85%.
6. CONTRACTOR SHALL ENGAGE AN INDEPENDENT QUALIFIED TESTING AND INSPECTING AGENCY TO PERFORM FILED TESTS AND INSPECTIONS. IT IS SUGGESTED THAT THE GEOTECHNICAL FIRM USED TO PERFORM THE SUBSURFACE SOIL INVESTIGATION BE ENGAGED FOR THE FIELD QUALITY CONTROL TESTS.
7. ALLOW TESTING AGENCY TO TEST AND INSPECT SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLIES WITH REQUIREMENTS. PROVIDE ONE TEST FOR EVERY 2,000 SQUARE FEET OF PAVED AREA OR BUILDING SLAB, ONE TEST FOR EACH SPREAD FOOTING AND ONE TEST FOR EVERY 50 LINEAR FEET OF WALL STRIP FOOTING.
8. WHEN TESTING AGENCY REPORTS THAT SUBGRADE, FILLS OR BACKFILLS HAVE NOT ACHIEVED THE DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED, RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED.
9. THE BUILDING SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING AT A MINIMUM OF 1% SLOPE OR AS INDICATED ON PLANS. PROVIDE 6" OF TOPSOIL AT ALL GRASS AND LANDSCAPED AREAS AND GRADE TO +/- 0.10 FEET.

31 30 00 EROSION CONTROL

- A. REQUIREMENTS
1. SEE CIVIL PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.

DIVISION 32 EXTERIOR IMPROVEMENTS

32 10 00 GRANULAR BASE AND ASPHALT PAVEMENT

- A. REQUIREMENTS
1. SEE CIVIL PLANS FOR SPECIFICATIONS.
2. PROVIDE COMPACTED GRANULAR BASE AND ASPHALT PAVEMENT AS INDICATED ON PLANS AND INACCORDANCE WITH MIX DESIGN METHODS FOR ASPHALT CONCRETE AND OTHER HOT-MIX TYPES. PROVIDE GRANULAR BASE TYPE E-0.3 BASE COURSE AND TYPE E 0.3 SURFACE COURSE. PROVIDE ALL PAVEMENT STRIPING, MARKINGS AND VERBIAGE AS SHOWN ON THE SITE PLANS.
3. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.

32 20 00 CONCRETE AND AGGREGATE BASE

- A. REQUIREMENTS
1. SEE CIVIL PLANS FOR SPECIFICATIONS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES.



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SILT FENCE DETAILS

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

The diagram illustrates the construction and details of a silt fence. The main view shows a cross-section of the fence with the following components and dimensions:

- WOOD POSTS** (3): Length 3'-4", 20" DEPTH IN GROUND.
- GEOTEXTILE FABRIC ONLY** (1): The main body of the fence.
- BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL** (2): The base of the fence.
- ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS** (4): The connection point between the fabric and the post.
- FLOW DIRECTION** (5): Indicated by an arrow pointing away from the fence.
- Dimensions**: 3'-0" MAX. spacing between posts, 2'-0" height, and 3'-0" MAX. width of the backfill trench.
- Support Cord Detail** (6): A circular inset showing a support cord attached to the fabric, with a fold of 3" MAX.
- Tieback Detail** (7): A detail showing the tieback between the fence post and an anchor stake, with a minimum length of 18" for the anchor stake.
- Silt Fence Tie Back** (8): A detail showing the tieback between the fence post and an anchor stake, with a minimum length of 18" for the anchor stake.

NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

JOINING TWO LENGTHS OF SILT FENCE

The diagram illustrates two methods for joining two lengths of silt fence:

- Twist Method** (1): Shows two lengths of geotextile fabric being joined by twisting them together. The flow direction is indicated by an arrow.
- Hook Method** (2): Shows two lengths of geotextile fabric being joined by hooking them together. The flow direction is indicated by an arrow.

THIS DRAWING IS BASED ON WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD DETAIL DRAWING 8 E 9-6.

INSTALL IN ACCORDANCE WITH WDNr TECHNICAL STANDARD 1056.

GENERAL NOTES:

- HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

GENERAL NOTES:

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FILL MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; (A) OVERLAP THE END POSTS AND NAIL, OR (B) ROTATE, AT LEAST 180 DEGREES, (B) HOOK THE END OF EACH SILT FENCE LENGTH.

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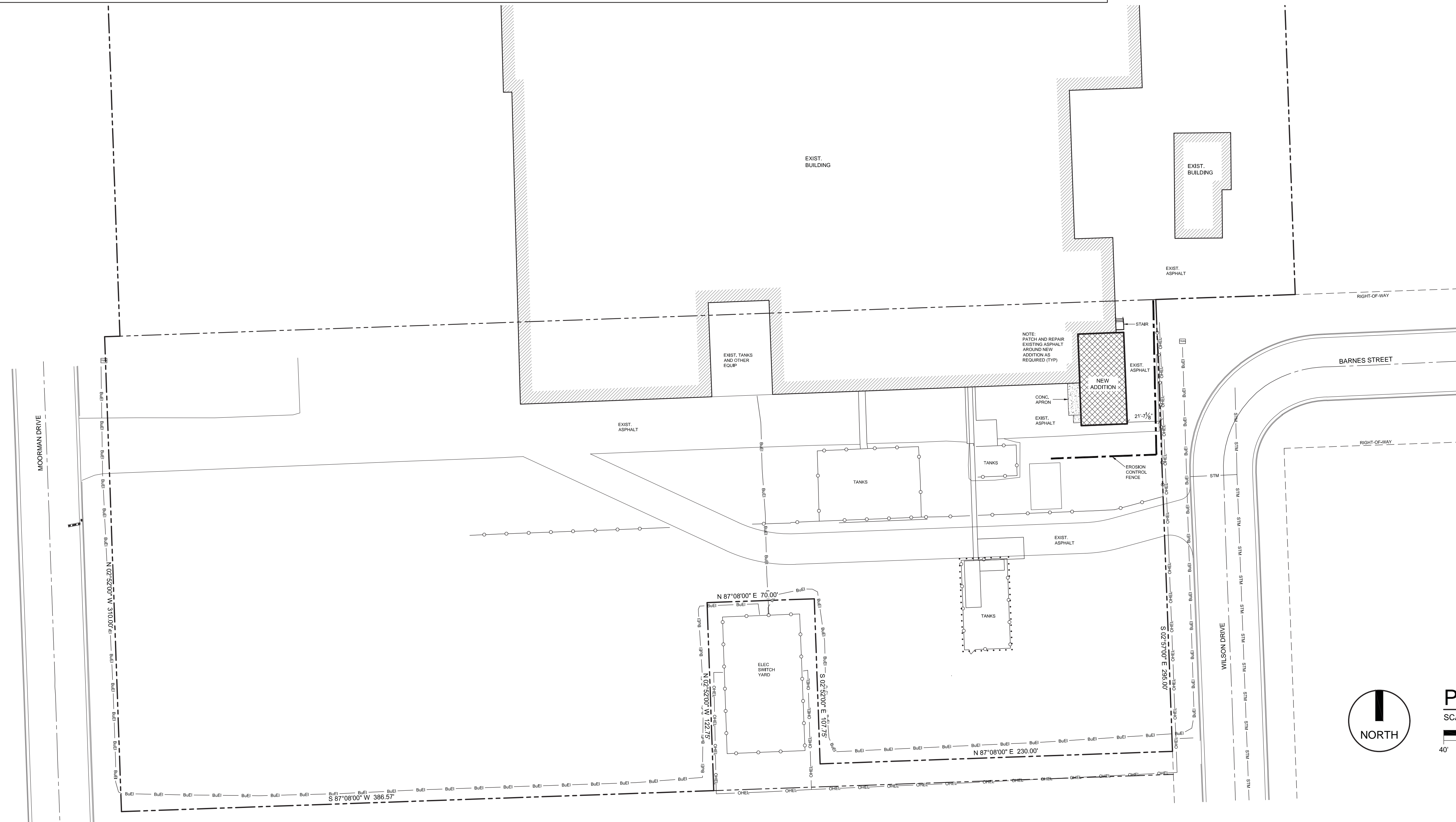
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NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SEWER AND WATER FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITY OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.

PARTIAL SITE PLAN

SCALE: 1" = 40'-0"



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SCALE: 3/32" = 1'-0"



SCALE: 3/32" = 1'-0"








SCALE: 3/32" = 1'-0"



SCALE: 3/32" = 1'-0"



-  EXIT SIGN
 5 LB. WALL MOUNTED FIRE EXTINGUISHER
 D.S. DOWNSPOUT LOCATION
 C.M.U. WALL
 PLAN FOR ALL WALL WIDTHS
 NEW DOOR

SEE PLAN FOR ALL WALL WIDTHS

NEW DOOR



- FIELD VERIFY ALL DIMENSIONS OF EXIST. BUILDING AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO COMMENCING WORK

FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



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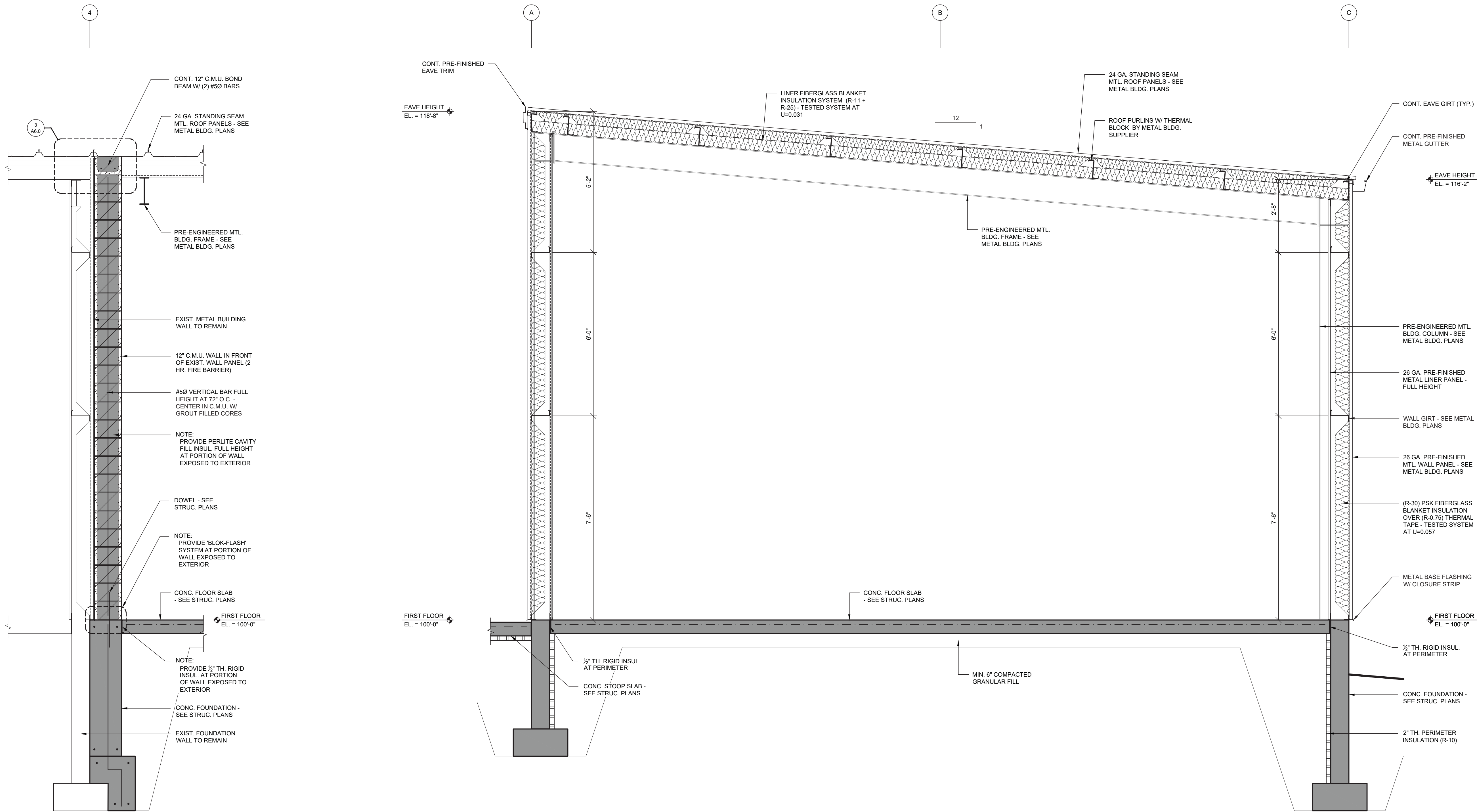
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HOLLOW METAL DOOR & FRAME SPECIFICATIONS:

- MANUFACTURER: CURRIES (APPROVED EQUIVALENT: STEELCRAFT)
- CONSTRUCTION: DOORS:
- 707 N SERIES
 - MIN. 16 GA. W/ POLYURETHANE CORE AND FLUSH TOP CAP AT EXTERIOR DOORS, 'R' VALUE = 10.04
- FRAMES:
- 'M' PROFILE W/ CONT. WELD FACE SEAMS AND FULL WIDTH OF JAMB
 - MIN. 14 GA. AT EXTERIOR FRAMES
- GENERAL:
- ALL EXTERIOR DOORS AND FRAMES TO BE GALVANIZED
 - ALL DOORS & FRAMES TO HAVE BAKED ON PRIMER FINISH
 - ALL DOORS & FRAMES TO BE REINFORCED AND PREPARED FOR HARDWARE
 - ALL REINFORCEMENT TO BE MIN. 12 GA.
 - PROVIDE WELDED IN BASE ANCHORS
 - PROVIDE SILENCERS (3 PER JAMB) AT ALL METAL DOOR FRAMES

SECTIONAL OVERHEAD DOOR SPECIFICATIONS:

- MANUFACTURER: OVERHEAD DOOR CORPORATION OR EQUIVALENT
- CONSTRUCTION: MODEL 591
- 1 5/8" TH. PANEL W/ PVC THERMAL BREAK
 - .015 INCH, HOT DIPPED GALVANIZED EXTERIOR STEEL
 - 16 GA. END STILES
 - 50,000 CYCLE SPRING COUNTERBALANCE
 - FULLY ENCAPSULATED POLYURETHANE INSULATION
 - 14.86 R-VALUE
 - 0.08 CFM AT 15 MPH AIR INFILTRATION
 - TWO COAT BAKED-ON POLYESTER FINISH
 - EXTERIOR AND INTERIOR COLOR: WHITE
 - INTERIOR MOUNTED SLIDE LOCK
 - FLEXIBLE JAMB AND HEADER SEALS
 - EPDM BULB-TYPE STRIP AT BOTTOM
 - 2" GALV. ANGLE MOUNTED LIFT TRACK.
 - LIFT OPTION: VERTICAL LIFT
 - PROVIDE 10 YEAR WARRANTY AGAINST DELAMINATION AND 3 YEAR WARRANTY FOR ALL OTHER COMPONENTS
 - INSTALL AS PER ALL MFR. DETAILS AND SPECIFICATIONS

HARDWARE NOTES:

- HINGES:
- IVES (HAGER, MCKINNEY)
- 4 1/2" x 4 1/2", 1 1/2 PAIR PER DOOR U.N.O.
- H1: 5BB1SS NRP (630)
- LOCKSETS:
- SCHLAGE ND SERIES, RHODES DESIGN (BEST 93K 1SD, SARGENT 10 LINE LL)
- L1: ENTRANCE (NDS3PD) (626)
- CLOSERS:
- LCN (NORTON 7500, SARGENT 351)
- C1: 4111 SPRING H-CUSH (ALUM)
- WEATHER STRIP, SWEEP, THRESHOLD:
- NATIONAL GUARD PRODUCTS (REESE, PEMKO)
- T1: 8424
- SW1: 200MA
- WS1: 190VA

KEY TO FINISHES:

FLOOR FINISH TYPES:

- SC SEALED CONCRETE
- SYMMONS CORPORATION
- CURE & SEAL 1315

WALL FINISH TYPES:

- CMU CMU W/ (1) COAT BLOCK FILLER AND (2) COATS FINISH PAINT (INTERIOR EGGSHELL ACRYLIC ENAMEL)
- MLP 26 GA. PRE-FINISHED METAL LINER PANEL FULL HEIGHT
- EX EXIST. PRE-FINISHED METAL WALL PANEL

CEILING FINISH TYPES:

- EXP EXPOSED STRUCTURE / INSULATION

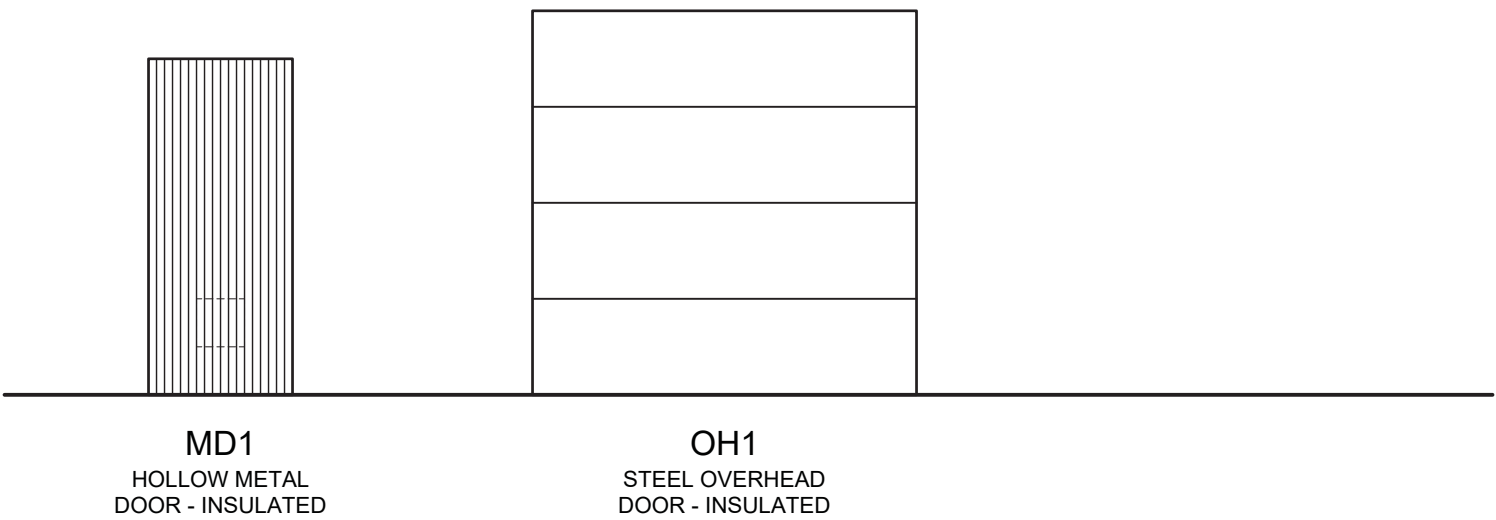
ROOM FINISH SCHEDULE										
RM #	ROOM NAME	FLOOR	BASE	WALL FINISH				CEILING		REMARKS
				NORTH	SOUTH	EAST	WEST	MAT.	HGT.	
FIRST FLOOR										
101	ADDITION	SC		CMU	MLP	MLP	MLP / EX	EXP	VARIES	

ROOM FINISH SCHEDULE REMARKS:

DOOR SCHEDULE														
DOOR NO.	DOOR SIZE	DOOR TYPE	FRAME TYPE	FIRE RATING	UNDERCUT OR GRILLE (W x H)	HARDWARE								
						HINGE	LOCKSET	STOPS	CLOSER	EXIT DEVICE	PUSH/PULL/KICK	MISC.	WS SWP. THRSHL D	REMARKS
FIRST FLOOR														
101A	3'-0" x 7'-0" x 1 3/4"	MD1	HM1			H1	L1		C1				T1 SW1 WS1	(1)
101B	10'-0" x 12'-0"	OH1												(2) (3)
101C	3'-0" x 7'-0" x 1 3/4"	MD1	HM1			H1	L1		C1				T1 SW1 WS1	(1)

DOOR SCHEDULE REMARKS:

- DOOR HARDWARE MFR, STYLE, AND FINISH TO MATCH EXISTING
- PROVIDE "LIFTMASTER" MODEL J OVERHEAD DOOR JACKSHAFT STYLE OPERATOR OR EQUIVALENT. SIZE UNITS AS REQUIRED FOR DOOR SIZE AND TYPE. UNITS SHALL INCLUDE:
 - 3-BUTTON CONTROL STATION W/ OPEN/CLOSE/STOP FUNCTIONALITY
 - ENTRAPMENT PROTECTION DEVICE - MONITORED OPTICAL EDGE SYSTEMINSTALL AS PER ALL MANUF. DETAILS AND SPECIFICATIONS
- OVERHEAD TRACK AND HARDWARE BY DOOR SUPPLIER



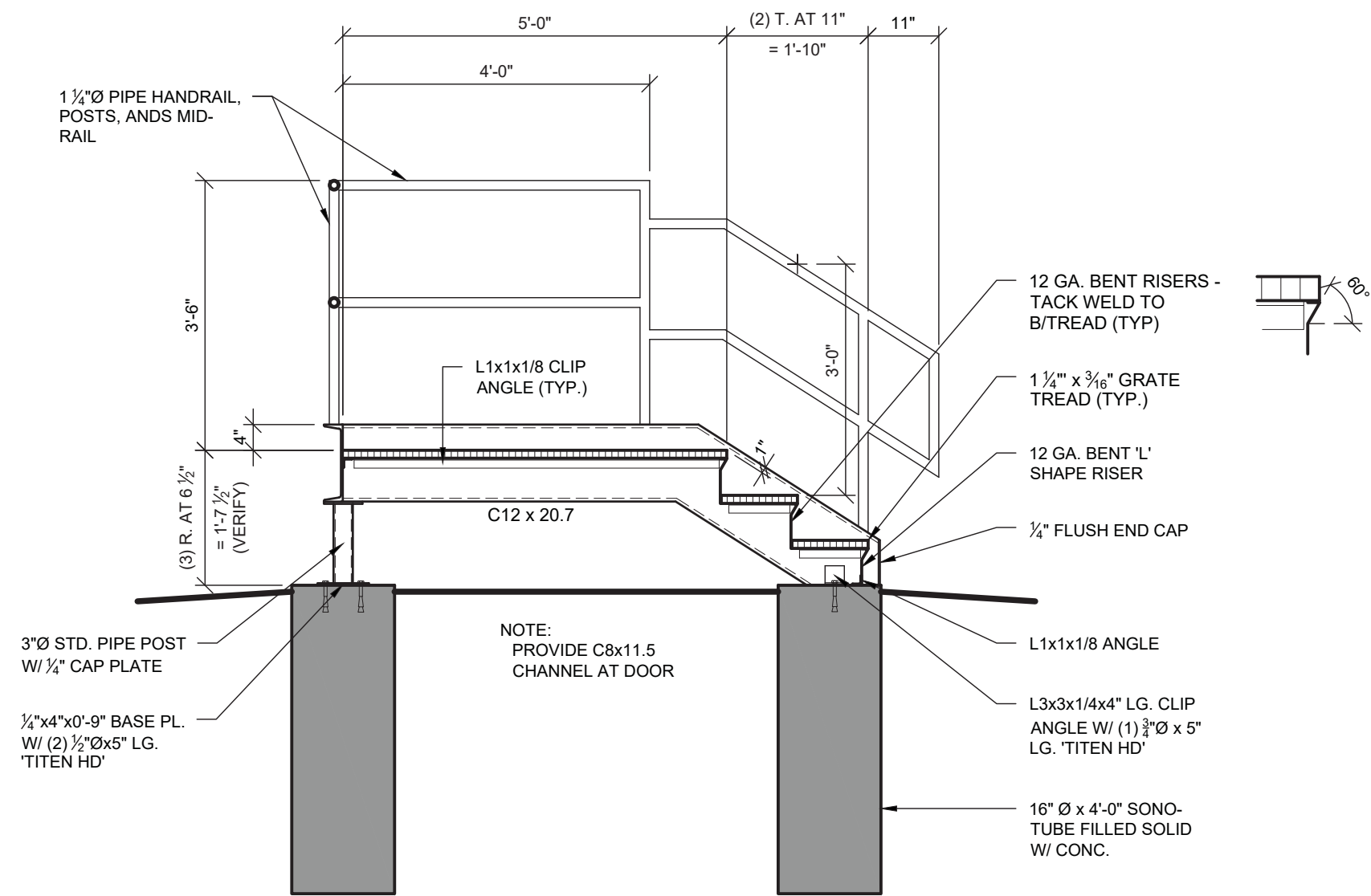
DOOR ELEVATIONS

SCALE: 1/4" = 1'-0"



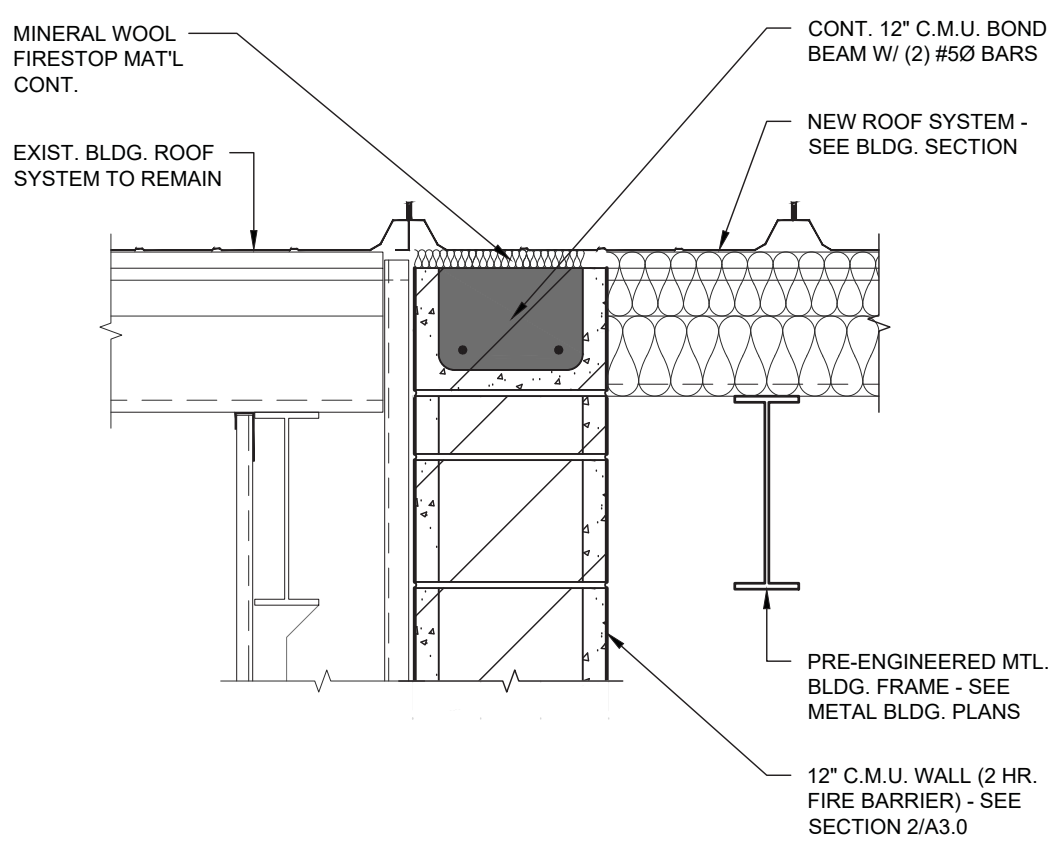
FRAME ELEVATIONS

SCALE: 1/4" = 1'-0"



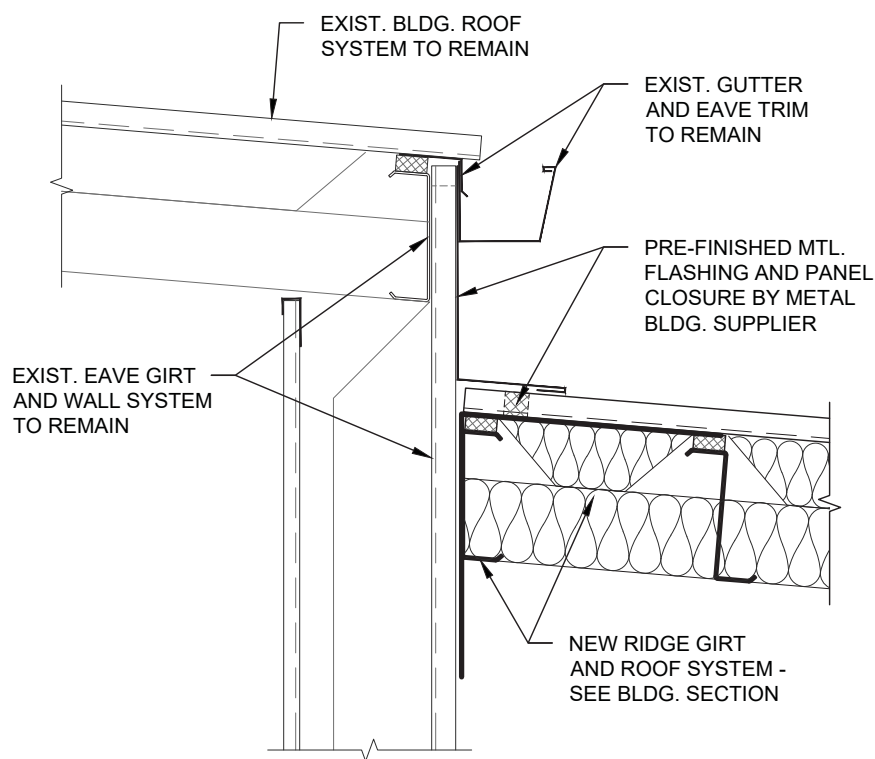
4 EXTERIOR METAL STAIR

SCALE: 1" = 1'-0"
TYPICAL AT TOP OF C.M.U. WALL



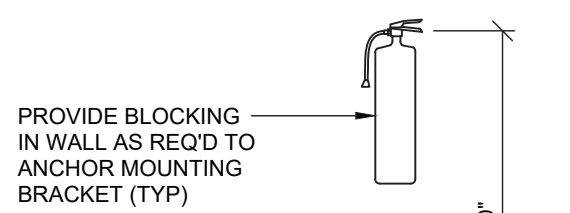
3 TOP OF WALL

SCALE: 1" = 1'-0"
TYPICAL AT TOP OF C.M.U. WALL



2 RIDGE FLASHING

SCALE: 1" = 1'-0"
TYPICAL AT EXISTING BUILDING



FIRE EXTINGUISHER SPECIFICATION:

- MANUFACTURER: JL INDUSTRIES, INC.
- PRODUCT: FIRE EXTINGUISHER:
- "COSMIC" 10E
 - 10 lb. CAPACITY ; 4A-60BC RATING
- BRACKET:
- MARK "MB846" WALL BRACKET

1 FIRE EXT. DETAIL
A6.0 NO SCALE



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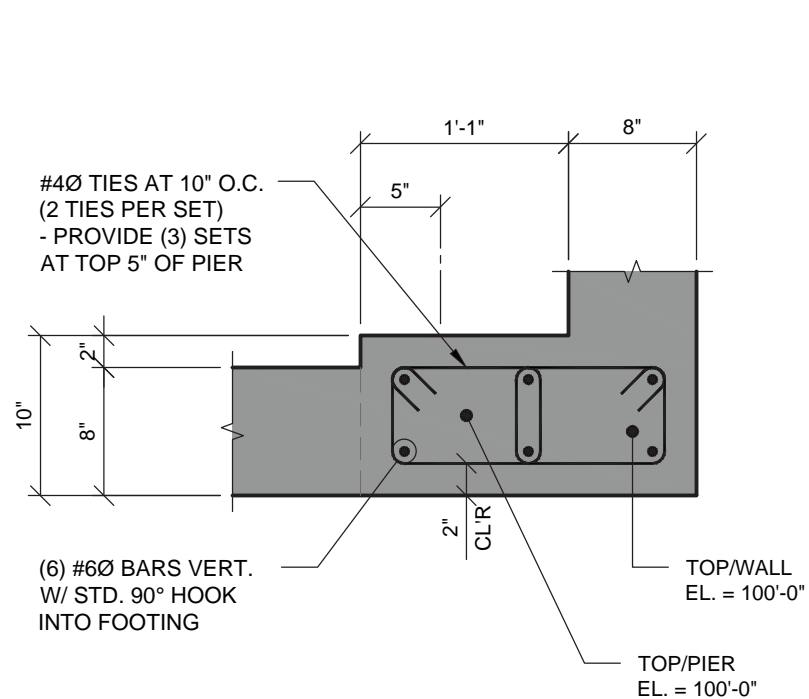
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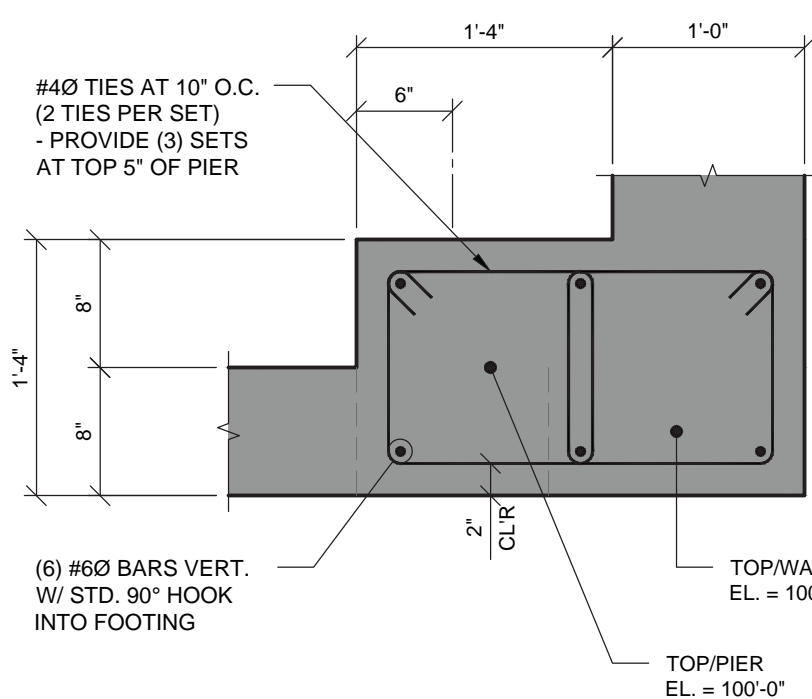
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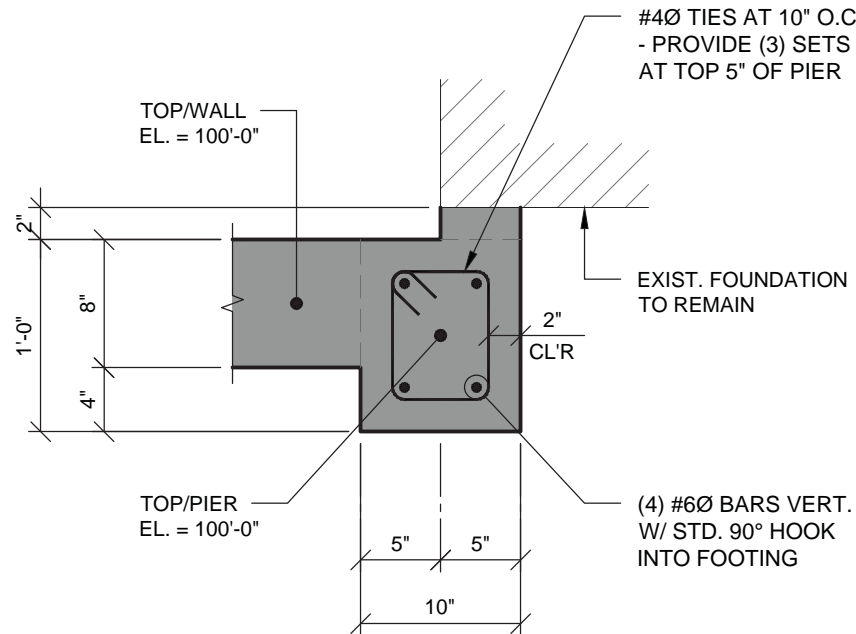
A6.0



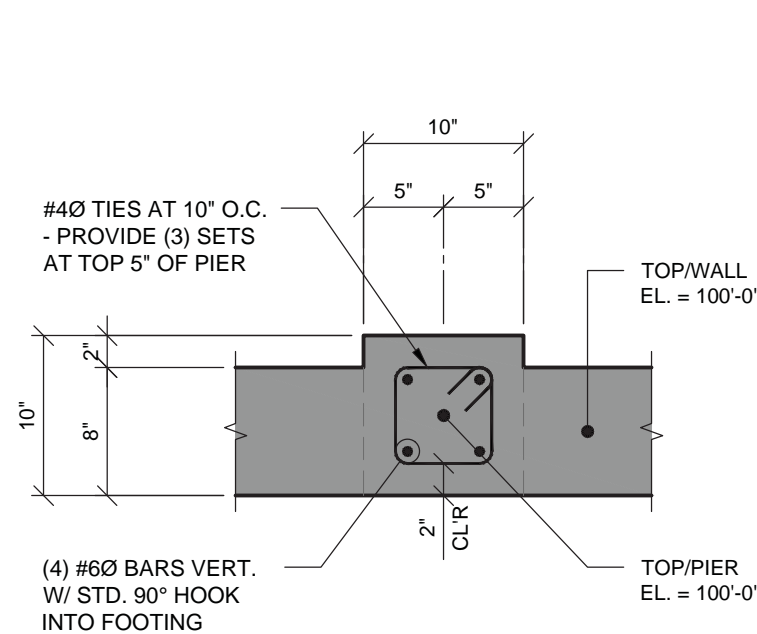
5
S1.0
PIER TYPE 'P5'
SCALE: 1" = 1'-0"
PIER SIZE: 21' x 10'



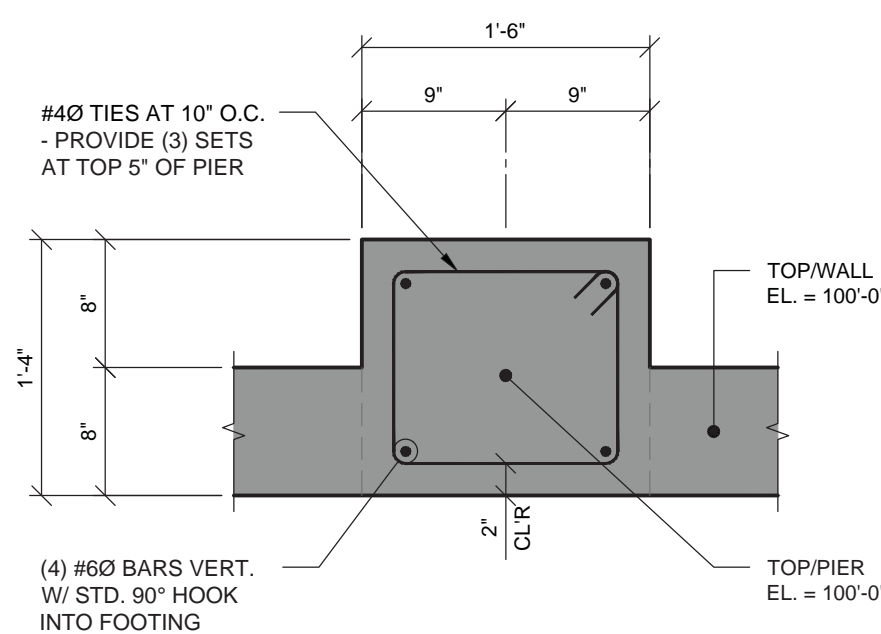
4
S1.0
PIER TYPE 'P4'
SCALE: 1" = 1'-0"
PIER SIZE: 12' x 16'



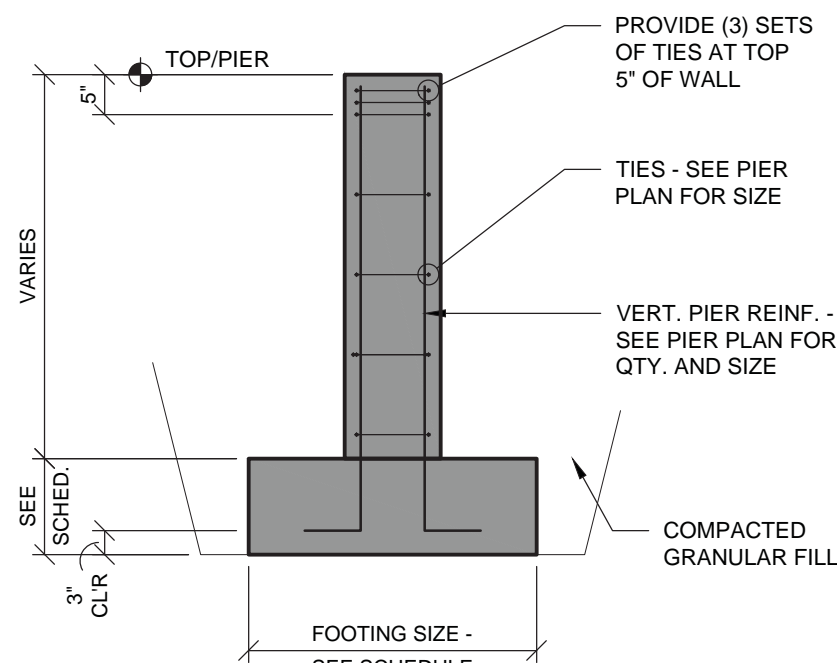
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S1.0
PIER TYPE 'P3'
SCALE: 1" = 1'-0"
PIER SIZE: 10' x 12'



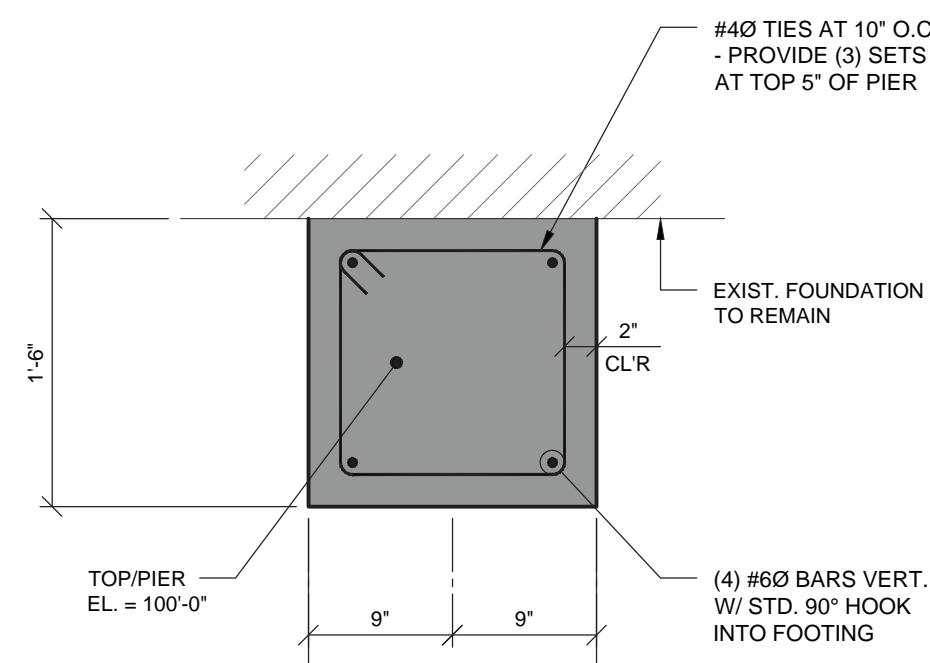
2
S1.0
PIER TYPE 'P2'
SCALE: 1" = 1'-0"
PIER SIZE: 10' x 10'



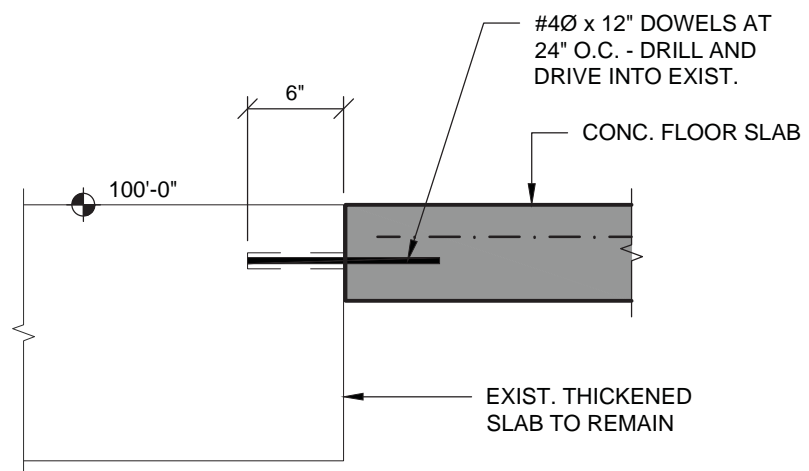
1
S1.0
PIER TYPE 'P1'
SCALE: 1" = 1'-0"
PIER SIZE: 18' x 16'



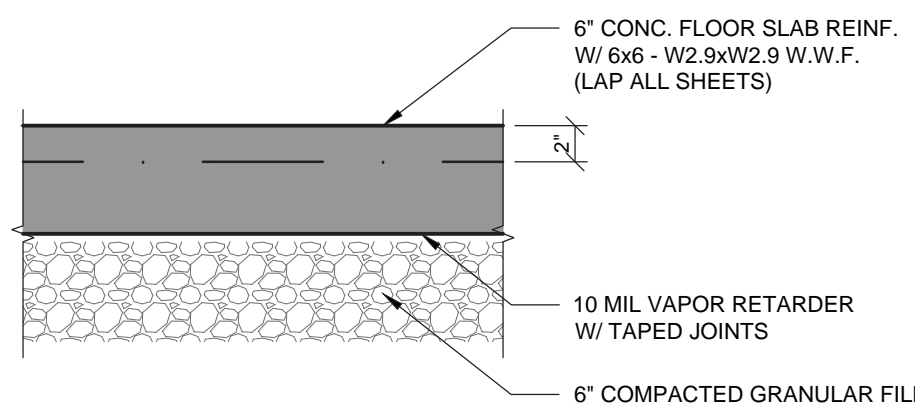
7
S1.0
TYP. PIER SECTION
SCALE: 1/2" = 1'-0"
TYPICAL AT CONCRETE PIERS



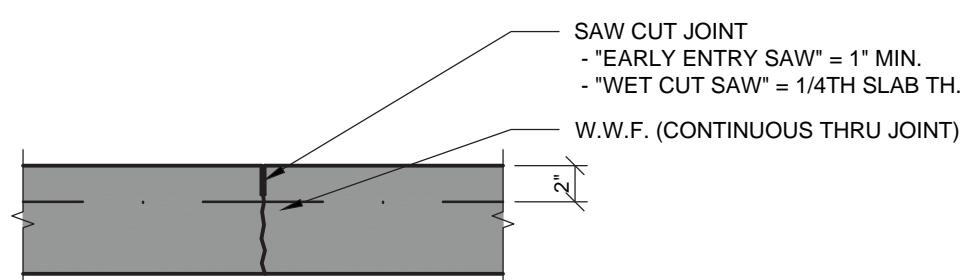
6
S1.0
PIER TYPE 'P6'
SCALE: 1" = 1'-0"
PIER SIZE: 18' x 18'



8
S1.0
CONC. SLAB AT EXIST.
SCALE: 1" = 1'-0"
TYPICAL AT EXISTING FOUNDATION



TYP. FLOOR



TYP. SAWCUT JOINT

9
S1.0
TYP. FLOOR SLAB
NO SCALE

FOOTING SCHEDULE		
MARK	SIZE (W x L x T)	REINFORCING BARS (BOTTOM)
F40	4'-0" x 4'-0" x 12"	(6) #40 BARS EA. WAY
F46	4'-6" x 4'-6" x 12"	(6) #40 BARS EA. WAY
F56	5'-6" x 5'-6" x 12"	(5) #50 BARS EA. WAY

FOOTING SCHEDULE REMARKS:

1. REINFORCING BARS SHALL BE LOCATED AT BOTTOM OF FOOTING

GENERAL STRUCTURAL NOTE:

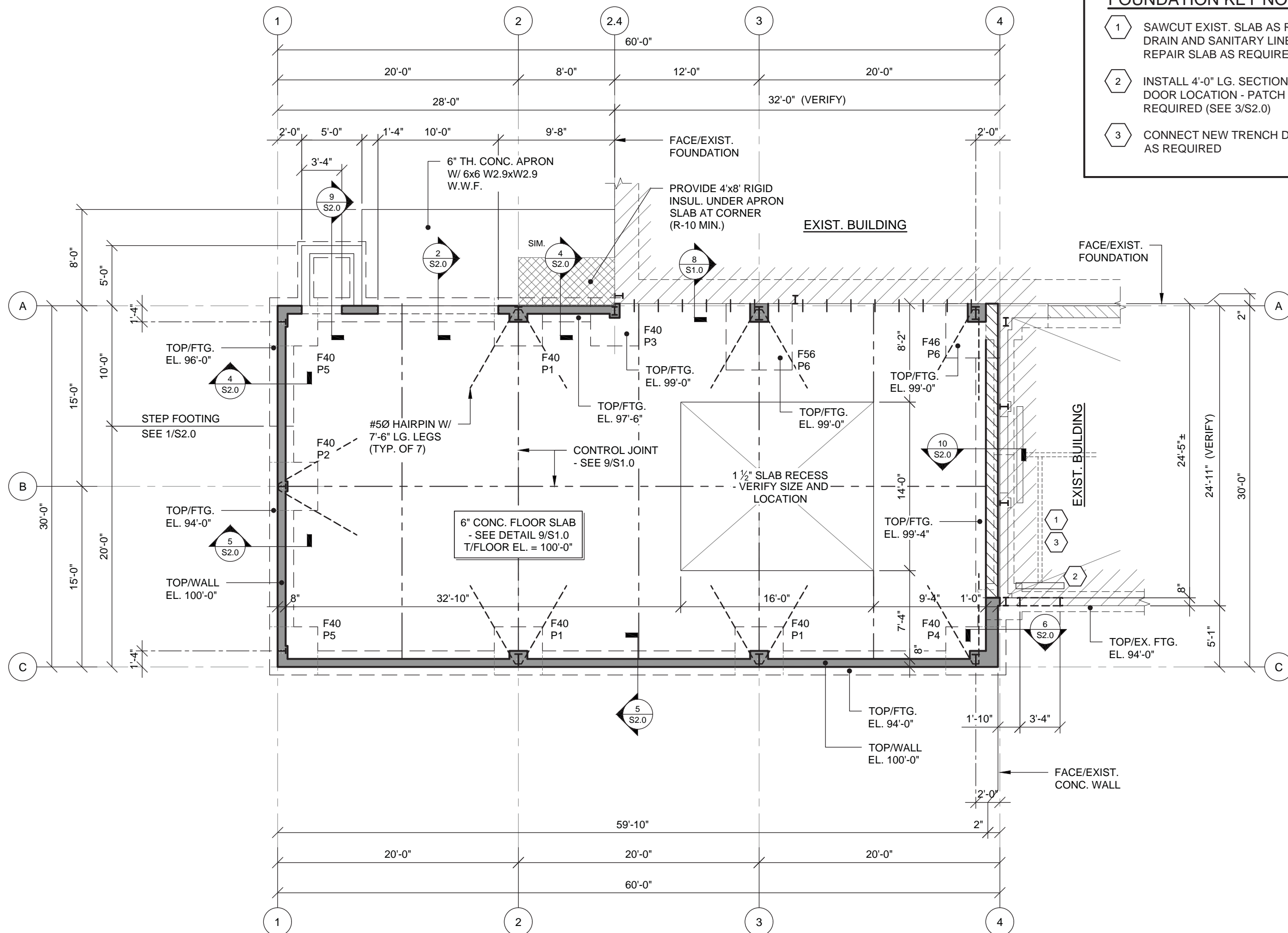
- SEE STRUCTURAL CALCULATIONS FOR ALL DESIGN LOADS NOT SHOWN ON PLANS
- FOR ADDITIONAL MATERIAL SPECIFICATIONS SEE GENERAL BUILDING SPECIFICATIONS ON T2 SHEETS

FOUNDATION PLAN NOTES:

- PERIMETER FOUNDATION INSULATION SHALL BE R-10
- CONTRACTOR TO VERIFY ALL UNDERGROUND WORK PRIOR TO POURING FLOOR SLAB
- SEE SITE PLAN FOR ADDITIONAL CONCRETE WORK
- WHERE SLAB-ON-GRADE ABUTS A WALL OR COLUMN, PROVIDE 1/4" ISOLATION JOINT MATERIAL SET 1/4" BELOW FINISHED SLAB ELEVATION

FOUNDATION KEY NOTES:

- 1 SAWCUT EXIST. SLAB AS REQ'D FOR NEW TRENCH DRAIN AND SANITARY LINE CONNECTION - PATCH AND REPAIR SLAB AS REQUIRED
- 2 INSTALL 4'-0" LG. SECTION OF TRENCH DRAIN AT NEW DOOR LOCATION - PATCH AND REPAIR SLAB AS REQUIRED (SEE 3/S2.0)
- 3 CONNECT NEW TRENCH DRAIN TO EXISTING DRAIN PIPE AS REQUIRED



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



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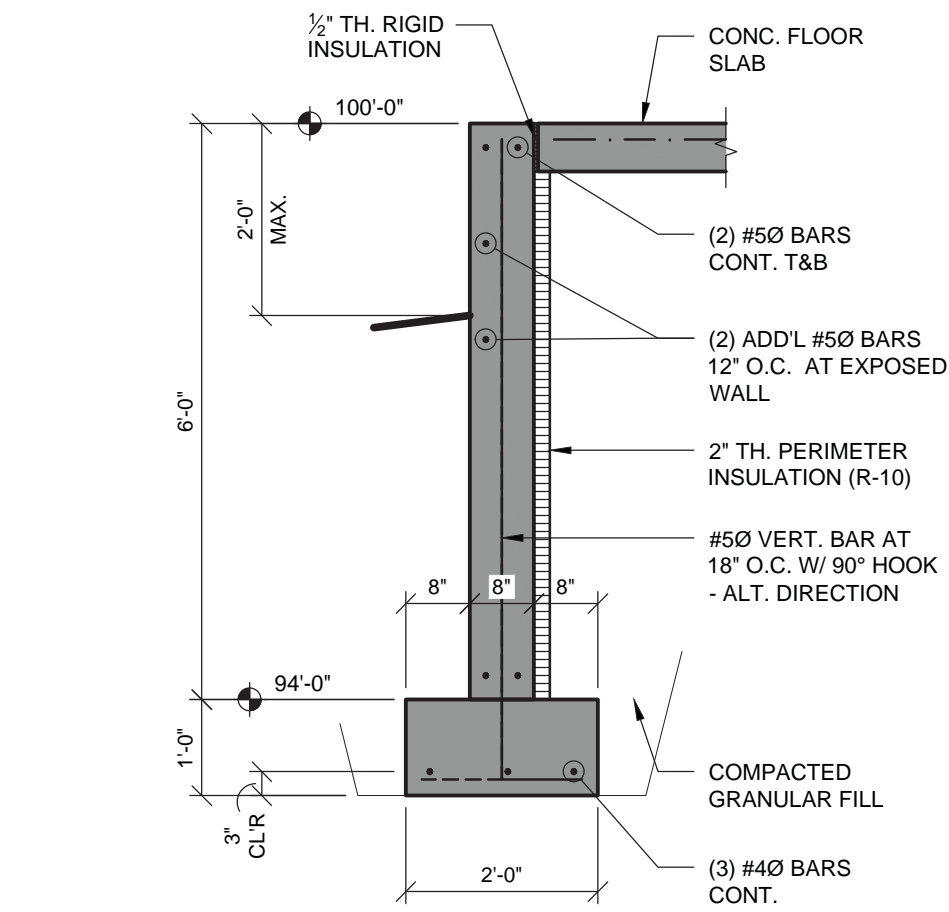
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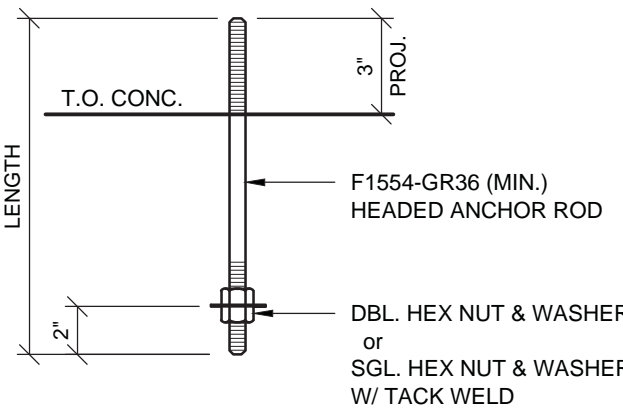
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S1.0

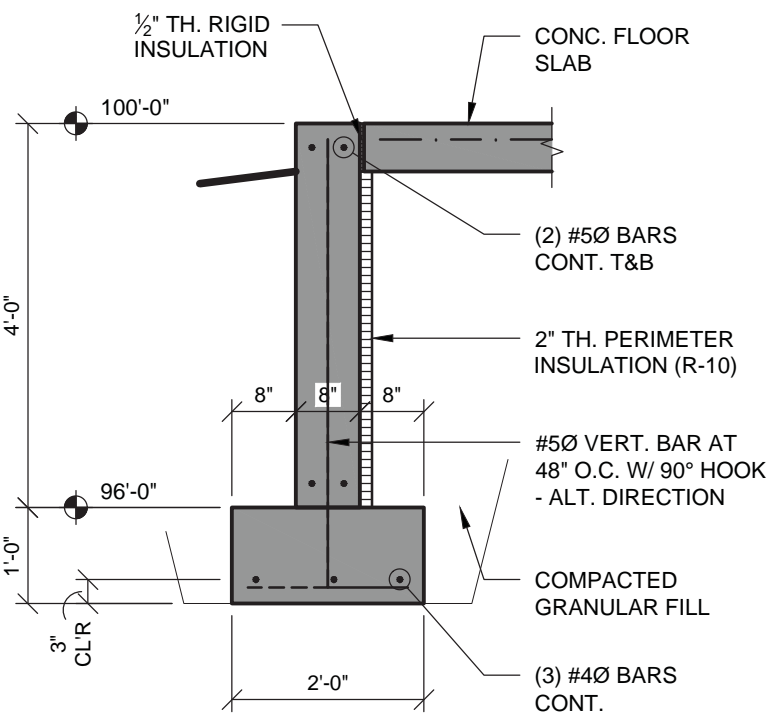


5 FROST WALL
S2.0 SCALE: 1/2" = 1'-0"

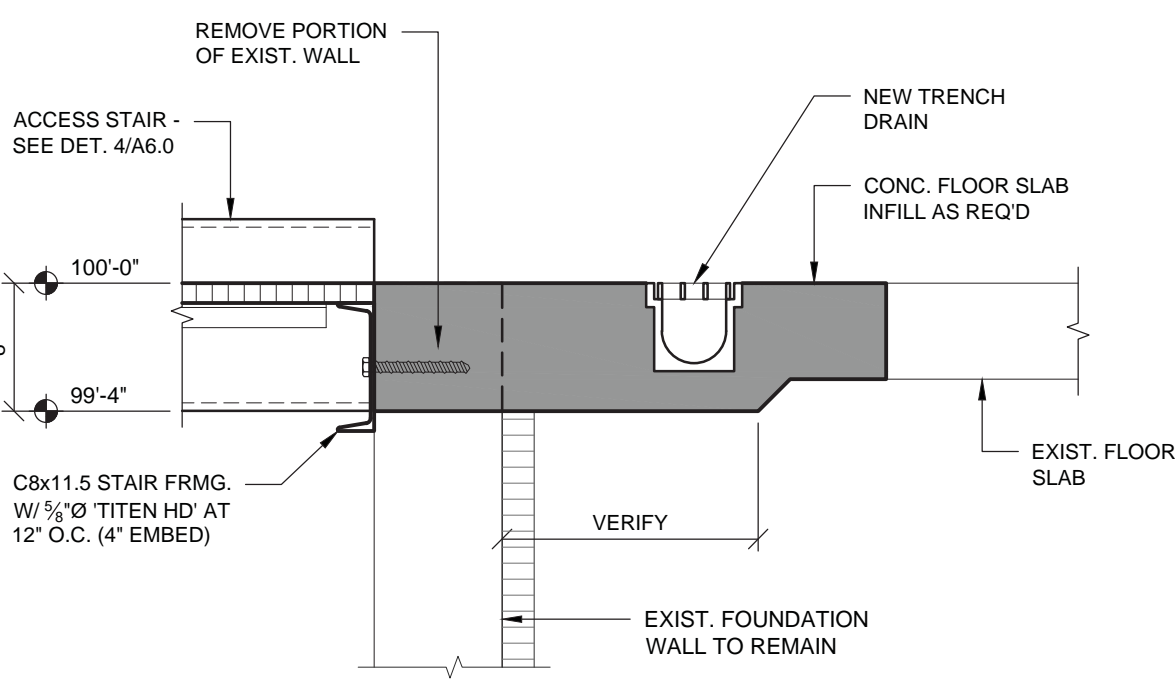


9 TYP. ANCHOR BOLT
S2.0 NO SCALE:

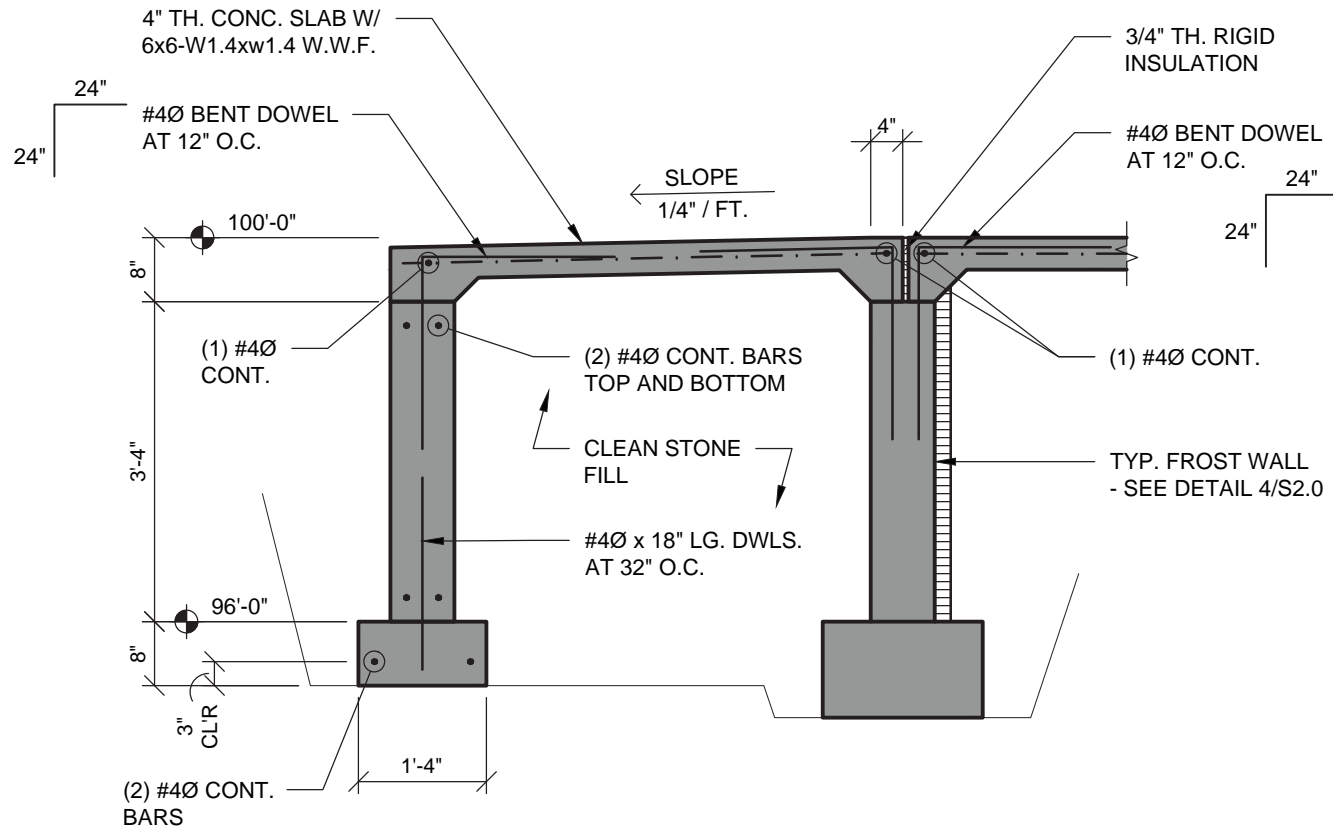
ANCHOR BOLT SCHEDULE		
DIA.	LENGTH	REMARKS
3/4" Ø	1'-9"	1. SEE METAL BUILDING DRAWINGS FOR ANCHOR BOLT SETTINGS
1" Ø	1'-9"	2. ANCHOR BOLTS TO BE SET INTO FOOTINGS @ LINE A-2.4, 3 AND 4



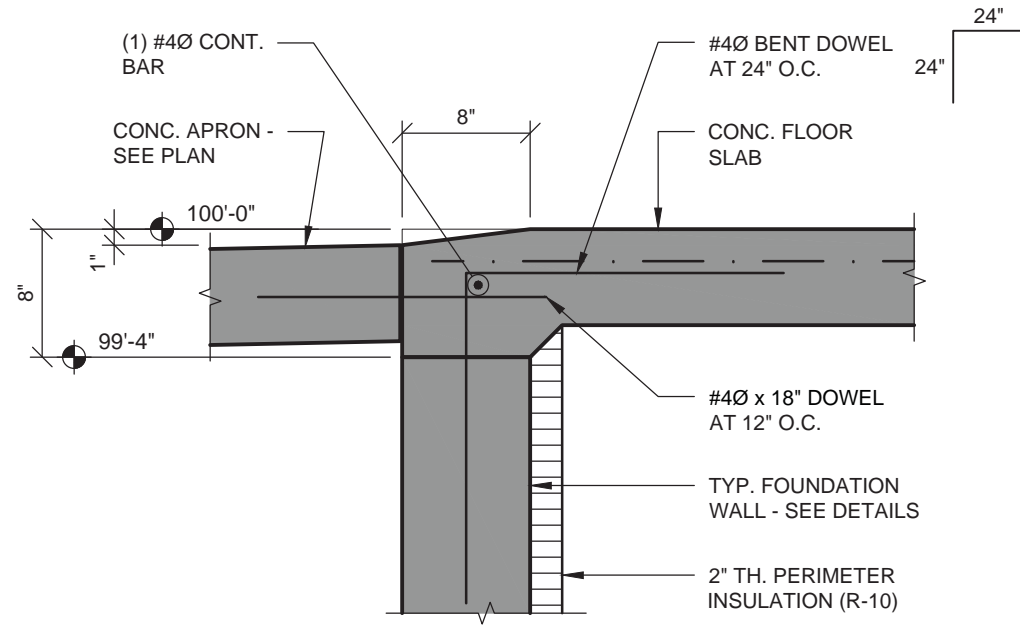
4 FROST WALL
S2.0 SCALE: 1/2" = 1'-0"



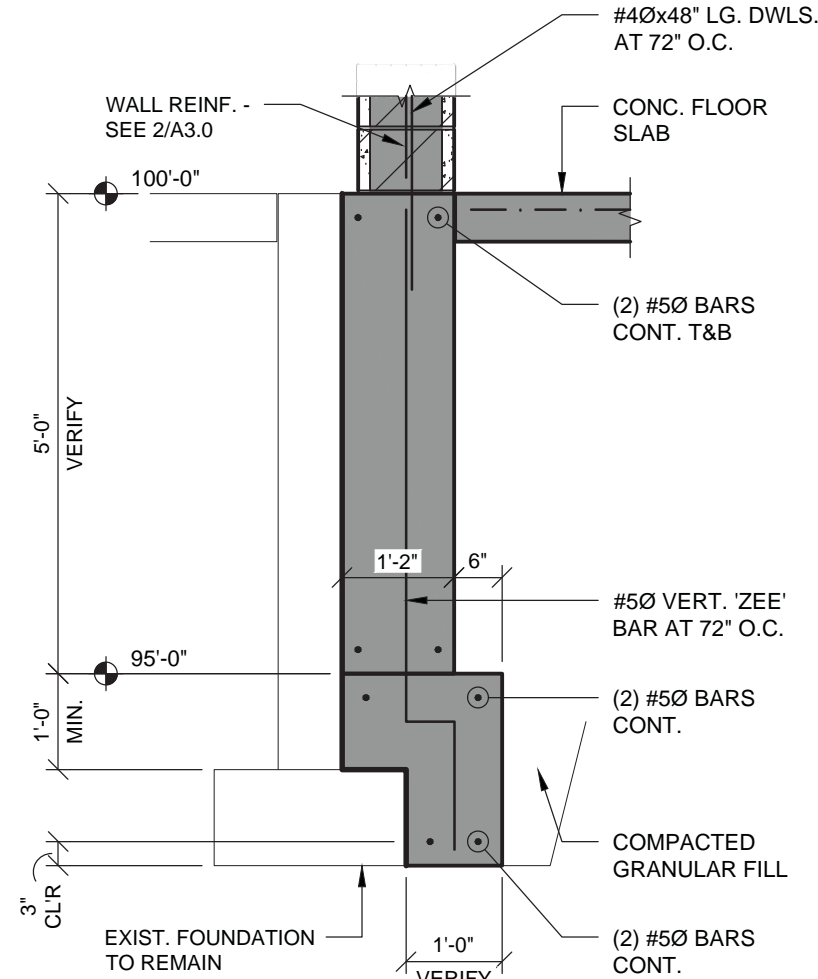
3 TYP. TRENCH DRAIN
S2.0 SCALE: 1" = 1'-0"
SEE FOUNDATION PLAN FOR LOCATION



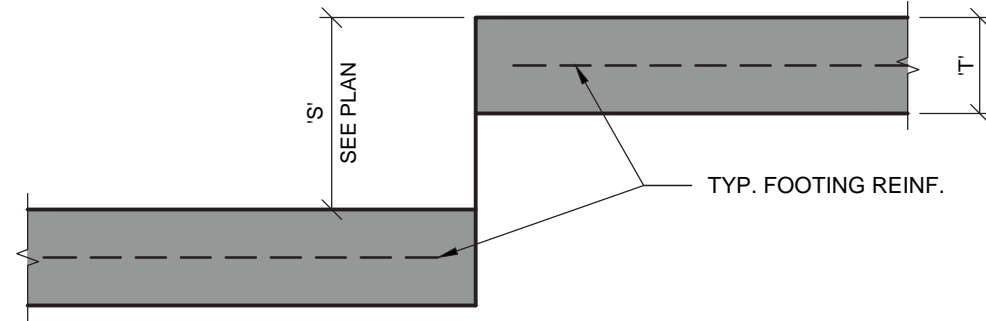
8 TYP. DOOR STOOP
S2.0 SCALE: 1/2" = 1'-0"
SEE FOUNDATION PLAN FOR LOCATION



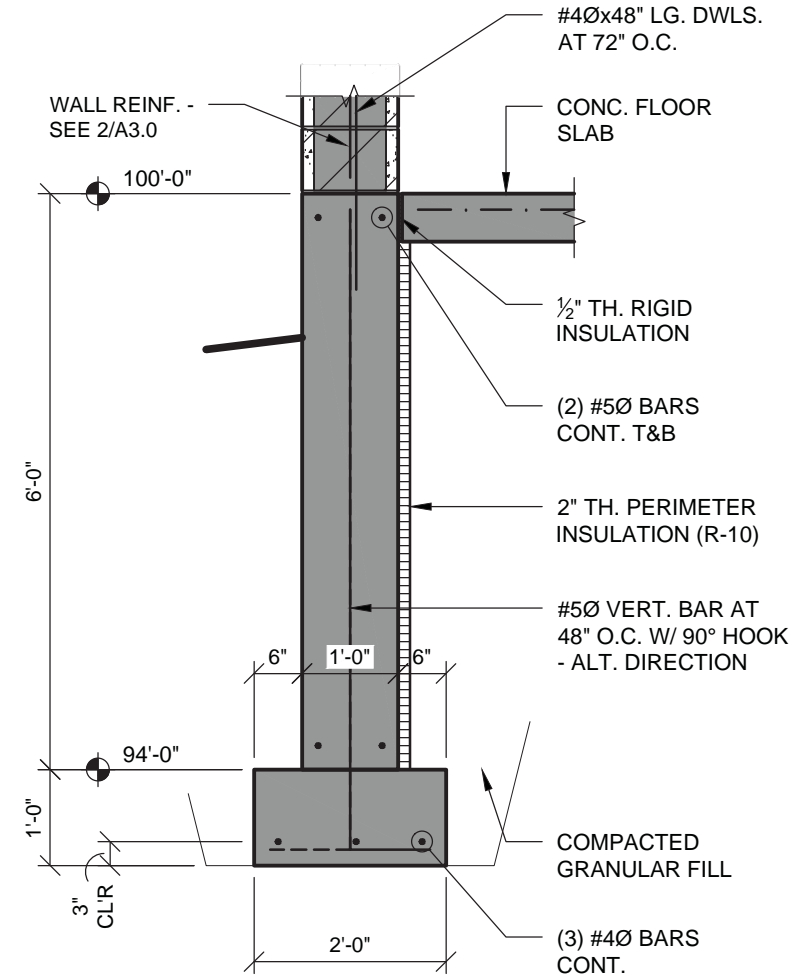
2 OVERHEAD DOOR SILL
S2.0 SCALE: 1" = 1'-0"
SEE FOUNDATION PLAN FOR LOCATION



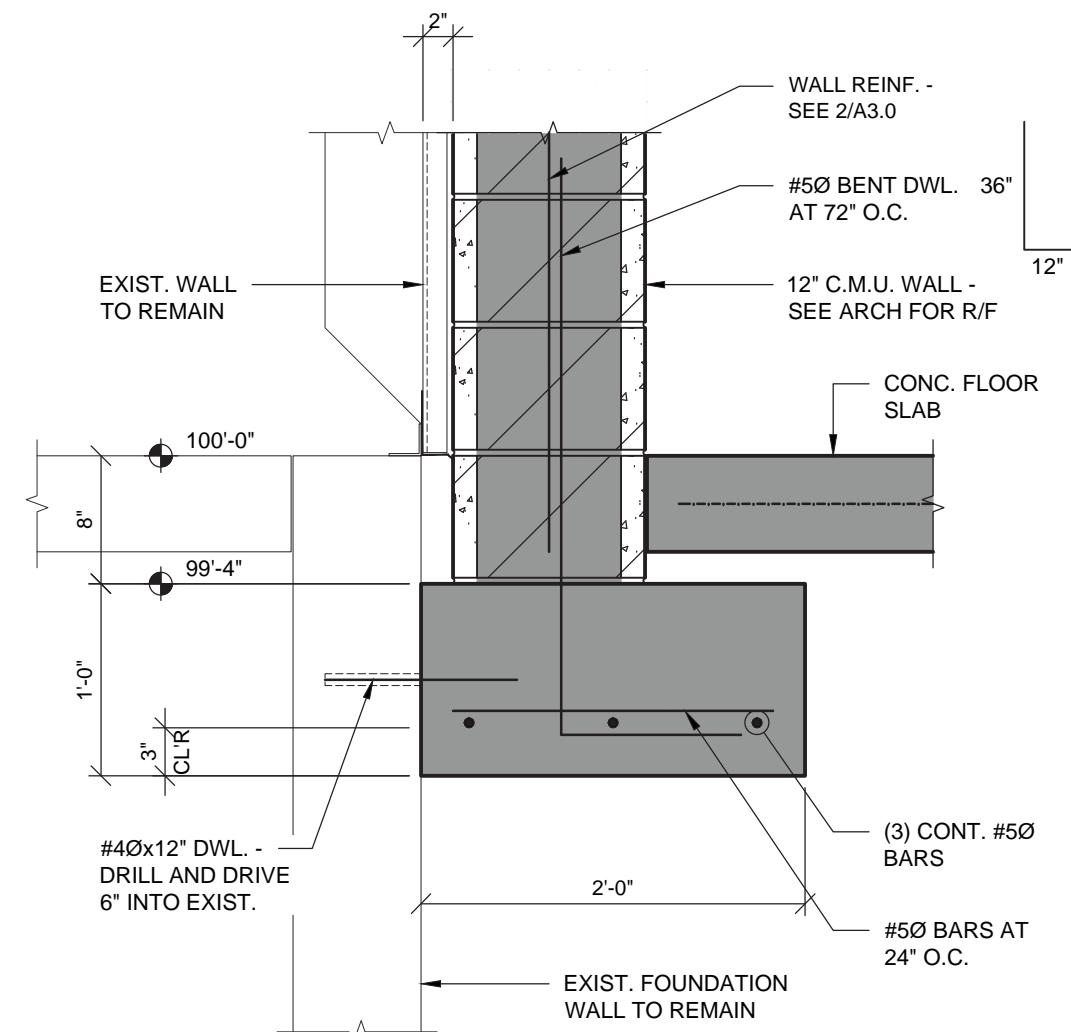
7 FROST WALL
S2.0 SCALE: 1/2" = 1'-0"



1 TYP. STEP FOOTING
S2.0 SCALE: NONE
SEE FOUNDATION PLAN FOR LOCATION



6 FROST WALL
S2.0 SCALE: 1/2" = 1'-0"



10 STRIP FOOTING
S2.0 SCALE: 1" = 1'-0"
TYPICAL AT C.M.U. WALL



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S2.0

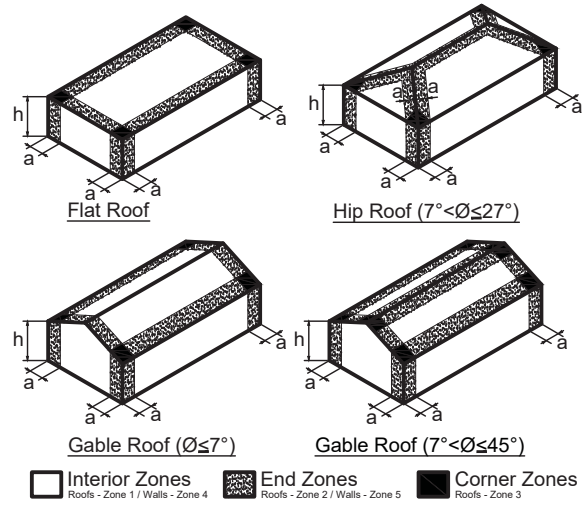


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STRUCTURAL GENERAL NOTES

A. DESIGN LOADS

1. Building Category II
Ie=1.0
Is=1.0
Iw=1.0
2. Roof Dead Load = Per Metal Bldg. Mfr
3. Snow Load: Ground snow Pg
Ce = 1.0 Ct = 1.0 Cs = 1.0 = 30 psf
- Snow load Pf = Pgx0.7CIsxCe/CtCs = 21 psf (Typ)
Ce = 1.0 Ct = 1.2 Cs = 1.0
4. Seismic requirements
Site Class = D SDS = 0.067 SD1 = 0.068
Seismic Design Category = B
Seismic analysis procedure = Per Metal Bldg. Mfr
5. Wind Loads (h < 60')
Wind Speed = 115 MPH
Exposure Category = C



Adjusted Components and Cladding (INCLUDES 0.6 FOR ASD):

Angle	ZONE					OH22	OH23
	AREA	1	2	3	4		
10°	-18.834	-31.476	-47.472	-20.392	-25.155	-27.091	-44.634
20	-18.318	-28.122	-39.345	-19.479	-23.478	-26.574	-34.959
30	-17.873	-23.738	-28.509	-18.447	-21.286	-25.929	-22.317
100	-17.157	-20.382	-20.382	-17.544	-19.479	-25.542	-12.31
500	0	N/A	N/A	-15.609	-15.609	N/A	N/A

B. SPECIFIED MATERIAL STRENGTHS

1. Poured-in-place Concrete, f'c
Slab-on-grade 3500 psi @ 28 days 1" stone
Walls / piers 4000 psi @ 28 days
Foundations 3000 psi @ 28 days 1 1/2" stone
Exposed 3000 psi @ 28 days Air Entrained 5-7%
2. Reinforcing Steel ASTM A615 Fy = 60 ksi
3. Welded Wire Fabric ASTM A185 Fy = 65 ksi
4. Structural Steel (UNO) ASTM A992
5. Steel Tubing ASTM A500, Grade B
6. Miscellaneous ASTM A36
7. Bolts for Structural Connections ASTM A325, Type N
8. Anchor Bolts ASTM AF1554-36
9. Masonry Grout, f'c 2500 psi @ 28 days
10. Masonry Running Bond, f'm 2000 psi
11. Allowable Soil Bearing Pressure 2000 psf
12. Welding Electrodes 3000 E70

C. FOUNDATIONS

1. If there is a question regarding the soils, a Geotechnical Engineer, hired by the owner, shall inspect each footing excavation and shall confirm that the actual soil conditions meet or exceed the design pressure.
2. Remove all topsoil and other soils containing organics from beneath floor slabs and foundations. Proof roll exposed sub grades under direction of the Geotechnical Engineer. Remove all soft or loose soils detected by proof rolling and replace with specified fill on a unit price basis.
3. Provide a minimum of 4'-0" of soil cover above the bottom of all footings exposed to the weather or unheated spaces.
4. Provide sufficient temporary protection to prevent all exposed footing sub grades from freezing and all footings with less than 4'-0" of soil cover from heaving. Do not place concrete or backfill over frozen soil.
5. The Contractor shall slope the bottom of the excavation to a temporary sump pit to keep accumulated groundwater and surface runoff away from the foundation bearing stratum. Pump groundwater out of the excavation before placing backfill. Do not allow the water to stand in the excavation and soften the soils at or below bearing level.
6. The sidewalls of all excavations shall be properly sloped, sheeted and braced in accordance with OSHA regulations and other procedures to provide safe working conditions. The responsibility for safe working conditions is solely that of the Contractor.
7. Center all wall footings on walls unless noted otherwise. Center all column footings and piers on columns unless otherwise noted.
8. Backfill walls with even lifts on alternate sides to prevent excessive horizontal load on walls.
9. When excavating adjacent to an existing structure, use shoring as required to prevent undermining of the existing foundations.
10. When backfilling walls, maintain adequate shoring until supporting elements are poured and cured.
11. No holes, trenches or other disturbances of the soil below footings, other than shown on structural plans, will be allowed within the volume described by lines sloping downward at 45 degrees to the horizontal from the bottom edges of the footings.
12. Specified compacted granular fill shall be well graded pit run sand and gravel mixture with no more than 8% passing a No. 200 sieve. Fill shall be free of shale, clay, friable material and debris. Compact fill to 95% Modified Proctor under footings and 90% under slabs.

D. CONCRETE

1. Proportioning of materials shall be in accordance with ACI 211.1- Latest "Recommended Practice for Selecting Proportions for Normal, Heavyweight and Mass Concrete." Maximum aggregate size shall be 1-1/2" for footings, 3/4" for slabs, walls and columns and 3/8" for toppings. Maximum water-cement ratio 0.45. Proportion concrete mixes for a 3" to 4" slump.

Provide an approved Air Entraining Admixture conforming to ASTM C260 and ACI 318-89 table 4.4.1 for all concrete exposed to freeze thaw conditions.

All concrete mixes may contain an approved non-chloride Water Reducing Admixture in accordance with ASTM C494, Type A. All concrete mixes shall contain a Water-Reducing Admixture except where other Water-Reducing type Admixture is required in the same concrete mix.

Provide an approved non-chloride non-corrosive Accelerator conforming to ASTM C494, Type C or E for all concrete flatwork poured at an ambient temperature of less than 50 degrees F. Provide an approved Water-Reducing Retarding Admixture conforming to ASTM C494, Type D for all concrete flatwork poured at an ambient temperature of 80 degrees F or higher.

Where more than one admixture is used in a concrete mix, provide substantiating data that indicates that these admixtures are compatible without producing detrimental or unpredictable results. Use admixtures from one manufacturer only provide the proper admixture quantities based upon total cementitious materials in accordance with the manufacturer's recommendations to achieve the desired results for specific site conditions and concrete materials. Maximum water soluble chloride ion concentrations in hardened concrete at an age of 28 days contributed from all ingredients including water, aggregates, cementitious materials and admixtures shall not exceed 0.10 percent.

2. Submit two copies of proposed mix designs to the Structural Engineer. Provide sufficient time in the construction schedule to allow a minimum of five full working days of review period in the Engineer's office.

D. CONCRETE (CONT.)

3. A Testing Firm, hired and paid for by the Contractor shall conduct concrete testing.
- a. Four standard cylinders for each 50 cubic yards or 5000 square feet of wall or slab or fraction thereof of each mix design placed in any one day. Test one cylinder at 7 days and one at 14 days for information and the other two at 28 days for acceptance. Comply with ASTM C172-21, C31-69 and C39-72.
- b. Slump test for each pour. Comply with ASTM C143-78.
- c. Air content test for each corresponding set of cylinders. Comply with ASTM C231-78.
- d. The contractor shall pay for all additional testing required for concrete suspected of non compliance.
4. Convey concrete to point of use and deposit continuously in level layers to prevent separation of grout and aggregate. Work the concrete thoroughly around reinforcement, embedded fixtures, and into the corners of forms. Do not deposit concrete in free standing water, loose dirt, rubbish or other foreign matter. Proceed with concreting at such a rate that the concrete is plastic at all times and flows readily into the spaces between the bars. Do not retemper concrete. Use an approved method of vibration.
5. Use MasterKure ER50 by Master Builders or equal on all flatwork constructed without protection of walls and roof.
6. Protect all concrete and grout from premature drying, excessively hot or cold temperature, and mechanical injury. Maintain concrete and grout with minimum moisture loss at relatively constant temperature for the required curing period. When the mean daily ambient temperature is less than 40 degrees F, provide temporary heat, insulating blankets, etc. So as to maintain the temperature of the concrete and grout at a minimum of 50 degrees F for 7 days. Provide adequate venting for equipment exhaust.
7. Cure concrete and grout such that the maximum moisture loss does not exceed 0.55 kg/m2 in 72 hours when tested in accordance with ASTM C156-80. Approved methods include approved curing compounds or soaking with water and covering with polyethylene sheets. Water cure slabs to receive toppings, grout beds, resinous flooring or other special coatings.
8. Seal all exterior concrete with Master Builders' GP' after the full curing period.
9. Provide sawcut control joints in each direction for all slabs on grade. Control joint spacing shall not exceed 24'-0" nor 36 times the slab thickness unless otherwise shown. Control joint spacing shall not be less than 2/3 nor more than 1-1/2 times the spacing of the width of the slab in the other direction.
10. Carefully examine architectural, mechanical, electrical and equipment drawings before each concrete pour to include all cast-in items, anchorage devices, block outs, sleeves, depressions, and other special requirements.
11. Conduit and pipes embedded in concrete shall conform to ACI 318-89 Section 6.3.

E. MASONRY

1. Hollow concrete block masonry units shall conform to ASTM C90, Grade N. f'm = 1500 psi
2. Use Type "M" mortar for below grade masonry. Use Type "M" or "S" mortar for above grade load bearing walls, shear walls and exterior walls. Use Type "M" mortar for interior non-load bearing walls and partitions.
3. Grout for bond beams and vertical cores shall have a minimum compressive strength of 2500 psi @ 28 days.
4. Masonry walls shall be adequately braced during construction to resist backfill and wind forces.
5. Fill masonry solid with grout full height below all lintel bearings.
6. Fill masonry cores with grout at locations which require embedded or drilled-in anchors or bolts.
7. Provide horizontal ladder type wire reinforcing @ 16" o.c. Masonry joint reinforcement and brick shelf angles shall be discontinuous at vertical control joints and expansion joints.
8. Lap splice all reinforcing bars in masonry 48 bar diameters.
9. All vertical reinforcement shall be dove-tailed to the foundation and extend 6" into the bond beam at the top of the wall.
10. Where one reinforcing bar is placed in a single core, it shall be centered in the wall. Where two reinforcing bars are placed in a single core, place bars in separate layers, 2" clear from the outside of each face. Provide bar spacers to rigidly hold vertical reinforcement in place.
11. Fill block cores at vertical reinforcing steel with grout, rodded or vibrated in place.
12. Masonry shall be laid to a maximum height of 4'-0" before placement of grout.
13. Construct all non-load bearing masonry walls 1" clear of structural members and deck. Pack void with fiberglass insulation.
14. Provide an 8" deep continuous bond beam at all floors and roofs. Use (2) #4's in bond beam.

F. REINFORCING STEEL

1. Submit one electronic copy of each shop drawing to the Engineer for approval. Provide sufficient time in construction schedule to allow a minimum of ten full working days of review period in the Engineer's office.
2. Provide bolsters, chairs, dowel blocks, standees and #4 support bars as required to support specified reinforcement at spacings not to exceed 4'-0" in either direction. Tie securely together to hold steel in position.
3. Welding of reinforcement is not permitted. Field bending of reinforcement is not permitted.
4. Concrete cover for reinforcing steel, unless otherwise shown, shall be as follows:
Footings: 3" clear from bottom & sides, 2" clear from top
Walls: 1 1/2" clear from each side
Beams, Columns: 1 1/2" clear to stirrups or ties & piers
Structural Slabs: 1" clear from top & sides, 3/4" clear from bottom
Slab-On-Grade: 3/4" slab thickness from top, but not less the 3/4" nor greater than 2"
5. When welded wire fabric is specified on the plans, Provide the following reinforcement in flat sheets unless otherwise noted for all slabs on grade except sidewalks.
4" slab: WWF 6x6 x W1.8 x w1.4
5" slab: WWF 6 x 6 x W2.0
6" slab: WWF 6 x 6 x W2.9 x W2.9
5. When fiber reinforcing is specified on the plans, Provide the following minimum reinforcing and dosages for all slabs on grade except sidewalks:
4" - 5" slab: 1.5# per cubic yard FRC Bl Blend, or approved Equal
6" Slab: .3# per cubic Yard Forta Ferro, or approved equal
7. All reinforcing bars shall be fabricated in accordance with ACI 318 and ACI Detailing Manual SP-66. Provide "standard hooks" unless otherwise noted. Specified bar length does not include length of hook. Place hooked end of bar 2" clear from edge of concrete, unless otherwise noted.
8. All laps shall be Class "B", unless noted otherwise. Use "top bar" lap lengths for all horizontal wall bars and for top bars in slabs and beams over 14" deep. Mechanical couplers capable of developing the full tensile capacity of the bars may be used at any lap location.
9. Corner bars shall be provided at all wall corners and intersections.
10. Plain weld wire fabric shall be lapped and / or anchored to develop fy per ACI 318.
11. Welding of reinforcing is not permitted.

G. ANCHORS

1. All post installed anchors must conform to ACI Appendix D requirements.
2. All expansion bolts fastened to masonry shall be zinc plated sleeve type in accordance w/ Federal Specification FF-S-325, Group II, Type 3, Class 3.
3. All adhesive anchors shall be POWERS' AC100 + GOLD" -or- equal.
4. All anchor bolts shall conform to ASTM F 1554-36 unless noted otherwise. Provide standard nut and washer tacked in place on embedded end. At gravity only connections, L-Shaped rods are acceptable. Embedment to hooked end shall be 12 rod diameters. Embedment shall not exceed footing thickness minus 3 inches. Hook length shall be 4 rod diameters 3" min. Embedded portion of anchor bolts shall be clean and free of oil, grease and all foreign substances. Provide minimum 6" projection.
5. All anchors in contact with treated lumber shall be hot dipped galvanized, stainless steel or have manufacturer's approved coating for contact with treated lumber.

H. STRUCTURAL STEEL (CONT.)

1. Structural steel details, fabrication, and erection shall conform to the latest edition of the AISC "Manual of Steel Construction - ASD", unless noted otherwise.
2. High strength bolts shall be installed in accordance with AISC "Specifications for Structural Joints Using ASTM A325 or A490 Bolts" latest edition. Bolts are designed as bearing-type connections, unless noted otherwise.
3. Bolts for slip-critical connections and bolts subject to tension shall be tightened to develop minimum tension specified by AISC using direct-tension indicator tightening method. Use direct-tension indicator washers under non-turning part assembly.
4. All welding shall be done by AWS certified welders with experience and certification in the types of welding indicated. Certifications shall not have lapsed due to disuse for 6 months.
5. All welds to be E70XX electrodes, unless noted otherwise.
6. Field connections shall be welded or bolted. Shop connections shall be welded unless otherwise indicated or approved. Welds indicated with a shop weld symbol may be made in the field with the approval of the structural engineer.
7. Unless noted otherwise, all welds shall be continuous 3/16" throat. All full and / or partial penetration welds shall be fully detailed on the shop drawings.
8. Fabricator shall select AISC simple shear connections for steel beams capable of carrying the reaction force when indicated or 50% of the total uniform load for the given size, span, and grade of beam, as tabulated in the AISC tables for allowable loads.

H. STRUCTURAL STEEL (CONT.)

9. Simple shear connections shall be standard double angle or single shear plates, unless noted otherwise. Select connections from the AISC, Simple Shear Connections Design Aid, latest edition whenever possible. All bolted connections shall have minimum 2 bolts, unless noted otherwise.
10. Shop paint structural steel with a standard primer.
11. Beams noted thus W_x_x (number of studs) c-camber in inches shall have 3/8" shear stud connections developing capacity as listed in table 14.1 (ASD). Studs are to be uniformly spaced at the beam top flange.
12. Camber beams as indicated on the drawings. Fabricate and install beams with natural camber upwards.
13. Structural steel members for the work of other trades shall be shown on the shop drawings. Burning of holes and cuts in the field shall not be allowed, except by written authorization from the structural engineer.
14. Furnish and install miscellaneous steel (curbs, hangers, expansion joint angles, struts, etc.) as called for or as necessary per architectural and mechanical / electrical drawings.
15. See architectural drawings for fireproofing of structural steel. Do no prime members which are to receive spray-on fireproofing unless directed by the architect.
16. Submit one reproducible copy, if needed, of each shop drawing to the Engineer for approval. Provide sufficient time in construction schedule to allow a minimum of ten full working days of review period in the Engineer's office.
17. Under all column base plates provide double nuts, or leveling plates. Provide 1 1/2" minimum leveling grout. Use "Set Grout" by Chemrexx, Masterflow 555 by Masterbuilders, or approved equal unless otherwise noted on structural drawings.
2. Erection Drawings: Show method of assembly and erection, bolt setting drawings, base plate connection, and base plate.
3. Building columns shall be designed to have no moment at the footing/piers.
4. Store materials off ground and protect from damage. Slope galvanized secondary material and panel packages to avoid moisture accumulation and provide drainage. Handle material properly to protect from damage.
5. Clean metal surfaces of loose scale, shavings and oil in compliance with SSPC-SP-3. Apply one coat manufacturer's standard shop primer to average 1.5 mil thickness with minimum thickness not less than 1.0 mil. Touch-up surfaces having runs, smears or bare spots. Optional finish preparation as required for optional finishes. Finish Painting: Color as shown on drawings. Apply paint in accordance with manufacturer's instruction. Apply paint evenly, free from drops, ridges, waves and brush marks; finish surface uniform in sheen, color, and texture. Assure primer compatibility with finish paint.
6. Use templates for accurate setting of anchor bolts. Level bearing plate area with steel wedges or shims, and grout.
7. Erect building frame true and level with vertical members plumb and bracing properly installed. Maintain structural stability of frame during erection.
8. Ream holes requiring enlargement to admit bolts. Burned holes for bolted connections not permitted without written approval by designer.
9. Set purlins and girts at right angle and bolt to appropriate clips. Attach to clips as required to satisfy design loads and as shown on drawings.
10. Place screw down roof panels at right angle to purlins and girts. Attach and plumb wall panels as shown on drawings. Maintain consistent 36-inch module coverage for entire length of wall. Pre-drill panels. Lap panel ends minimum 6 inches on roof and 4 inches on walls. Place end laps over purlins or girts. Apply 3/16-inch butyl roof panel side and end lap seal between panel ends and side laps to provide water tight installation per details furnished.
11. Place Standing Seam Roof panels at right angle to purlins. Attach with sliding concealed clip where expansion and contraction must be accounted for. Lap panel ends 2 or 3 inches as determined by panel notch. Place end laps above purlin with backup plate and cinch strap so panel end lap fasteners do not penetrate purlin.
12. Provide trim, flashing and closures as required for weather-tight installation and appearance.
13. See structural steel section for other requirements.



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