THE CITY OF WATERTOWN

SITE PLAN REVIEW COMMITTEE MEETING AGENDA

MONDAY, JANUARY 23, 2023 AT 1:30 PM

COUNCIL CHAMBERS, SECOND FLOOR, MUNICIPAL BUILDING, 106 JONES STREET, WATERTOWN, WI

By Phone or GoToMeeting: Members of the media and the public may attend by calling: (Toll Free): 1-866-899-4679 Access Code: 170-369-365 or https://meet.goto.com/170369365. All public participants' phones will be muted during the meeting except during the public comment period.

1. **CALL TO ORDER**
2. **APPROVAL OF MINUTES**
   A. Review and take action: Site Plan Review minutes dated December 12, 2022
3. **BUSINESS**
   A. Review and take action: 801 S. Twelfth Street – Building addition and new parking lot construction
4. **ADJOURNMENT**

Persons requiring other reasonable accommodations for any of the above meetings, may contact the office of the City Clerk at mdunneisen@CityofWatertown.org, phone 920-262-4006

A quorum of any City of Watertown Council, Committee, Board, Commission, or other body, may be present at this meeting for observing and gathering of information only

SITE PLAN REVIEW COMMITTEE
December 12, 2022

The Site Plan Review Committee met on the above date at 1:30 P.M. in the Council Chambers on the second floor of City Hall. The following members were present: Brian Zirbes, Ben Olsen, Kristine Butteris, Mike Zitelman, Maureen McBroom, Anthony Rauterberg, and Stacy Winkelman. Also in attendance were Nikki Zimmerman, Sonja Kruesel of Vandewalle & Associates, Stephanie Pirkel, and Kyle Pirkel.

1. **Call to Order**
   The meeting was called to order by Acting Chairperson Sonja Kruesel.

2. **Review and approve Site Plan Review Committee Minutes Dated November 14, 2022**
   Motion was made by Anthony Rauterberg and seconded by Stacy Winkelman to approve the November 14, 2022 Site Plan Review minutes as submitted. Unanimously approved.

3. **Review and take action: 208 S. Third Street – Rage rooms, arcade, escape rooms**
   Kyle and Stephanie Pirkel were present to discuss the proposed use of rage rooms, arcade equipment, and a paint splatter room with the potential for escape rooms at some point in the future. There will not be alcohol allowed on site.

   The following was presented by city staff:

Fire:	A Knox Box will be required. An inspection will be required prior to opening. If escape rooms are implemented in the future, the Fire Department should be contacted to discuss the sprinkler system requirements associated with that use.
Police:	Verified the hours of operation. The applicants stated they will be done by 10 p.m. on Friday and Saturday and no later than 7 p.m. on Sunday.
Building:	If any structural work is being completed, architectural plans will need to be submitted.
Street:	Asked about the disposal of the wrecked equipment. The applicants stated the company they will be using will be a private company. Whatever can be recycled will be and whatever cannot, will be placed in the garbage.
Stormwater/Engineering:	If there is ever any work that occurs on the exterior of the property, be sure to check in with these departments (Stormwater and Engineering).
Zoning:	The current zoning is CB, Central Business and this will require a conditional use permit approval by the Plan Commission. This item is going before the Plan Commission on this same date (December 12th).

   Motion was made by Maureen McBroom and seconded by Kristine Butteris to recommend approval to the Plan Commission for this item as submitted with the following conditions:

   A) Knox Box shall be installed on the building.
   B) Inspection will have to be completed by the Fire Department before the business opens.
   C) Ensure any structural alterations or signage is discussed with the Building, Safety & Zoning Department.
   D) Hours of operation shall stay within the compliance of the Police Department.
   E) Discuss the sprinkler system with the Fire Department at the time the escape rooms are installed.

   Unanimously approved.

4. **Adjournment**
   Motion was made by Kristine Butteris and seconded by Stacy Winkelman to adjourn. Unanimously approved.

Respectfully submitted,
Nikki Zimmerman, Recording Secretary

NOTE: These minutes are uncorrected, and any corrections made thereto will be noted in the proceedings at which these minutes are approved.

Main Office
920-262-4060

Brian Zirbes
920-262-4041

Mark Hady
920-342-0986

Nikki Zimmerman
920-262-4045

Dell Zwieg
920-262-4042

Doug Zwieg
920-262-4062

Dennis Quest
920-262-4061

TO: Site Review Committee / Plan Commission
DATE: January 16th, 2023
SUBJECT: Griffin Armament Site Plan Review

Site Plan Review requested by David O'Brien, Agent for Griffin Armament, for a building addition on property located at 801 S. Twelfth Street, Watertown WI. Parcel PIN: 28-291-0815-1022-037. A Site Plan Review Committee recommendation and Plan Commission approval of the site plan is required pursuant to Section 550-144 & 550-145 of the zoning code.

SITE DETAILS:
Acres: 2.03
Current Zoning: GI General Industrial
Existing Land Use: Industrial
Future Land Use Designation: Mixed Industrial. No identified conflicts with Comprehensive Plan.

BACKGROUND & APPLICATION DESCRIPTION:
Applicant is proposing an approximately 38,755 sq. ft. addition to the existing building, formerly Watertown Packaging. Site plan modifications include removing and relocating the existing parking lot and storm sewers, as well as additional landscaping improvements. Existing exterior building materials include stone veneer and metal panel siding. The stone veneer is to be removed with the building addition. Proposed new building materials include aluminum composite material panels (AMC), steel wall panels, and precast concrete panels. Applicant has submitted a color rendering of the proposed exterior building materials for review. A new entrance and several new windows on two floors are proposed on the west elevation (S.12th St.). The loading dock will remain in its current location.

STAFF EVALUATION:

Land Use and Zoning:
Within the GI General Industrial zoning district 'Light Industrial' as a principal land use and 'On-site Parking Lot' as an accessory use are permitted by right. The property is subject to Airport Height Limitations with all parts of the structure being below the maximum height 924 feet above mean sea level allowed at this location.

Site Layout and Design:
The proposed addition meets building and pavement setbacks, as well as the maximum building height limits for the GI General Industrial zoning district. The west elevation (S.12th Street.) is the front lot line, per zoning code definitions, with a required setback of 25ft. The north elevation (Mary St.) is a street-side lot line also requiring a 25ft setback. The south elevation is a non-residential side lot line requiring a 20ft setback. The east elevation is the rear lot line requiring a 30ft setback. The required pavement setback is 10ft for the front and street-side lot lines, and 5ft for side and rear lot lines. The height of the proposed addition is 31ft, below the 35ft maximum building height in the GI General Industrial zoning district.

Vehicle Access and Circulation
The proposed vehicle access moves the main parking lot access to the south end of the property o Street, while also maintaining the Mary Street access on the north end of the property. A separate double driveway loop is being added from South 12th Street.

Landscaping:
The proposal meets minimum landscaping requirements. Landscape point calculations have been provided by the applicant in the site plan. The project has a LSR (Landscape Surface Area Ratio) of 22% meeting and exceeding the minimum LSR of 15%.

Parking:
Parking requirements in the GI General Industrial zoning district require one space per each employee on the largest work shift. Applicant has indicated that the largest work shift at the facility will be 40 employees. Site Plan includes 62 parking stalls meeting and exceeding the one stall per employee requirement.

Lighting:
An exterior lighting plan that includes shielded lighting fixtures and the required lighting for parking, loading, and circulation areas has been submitted by the applicant.

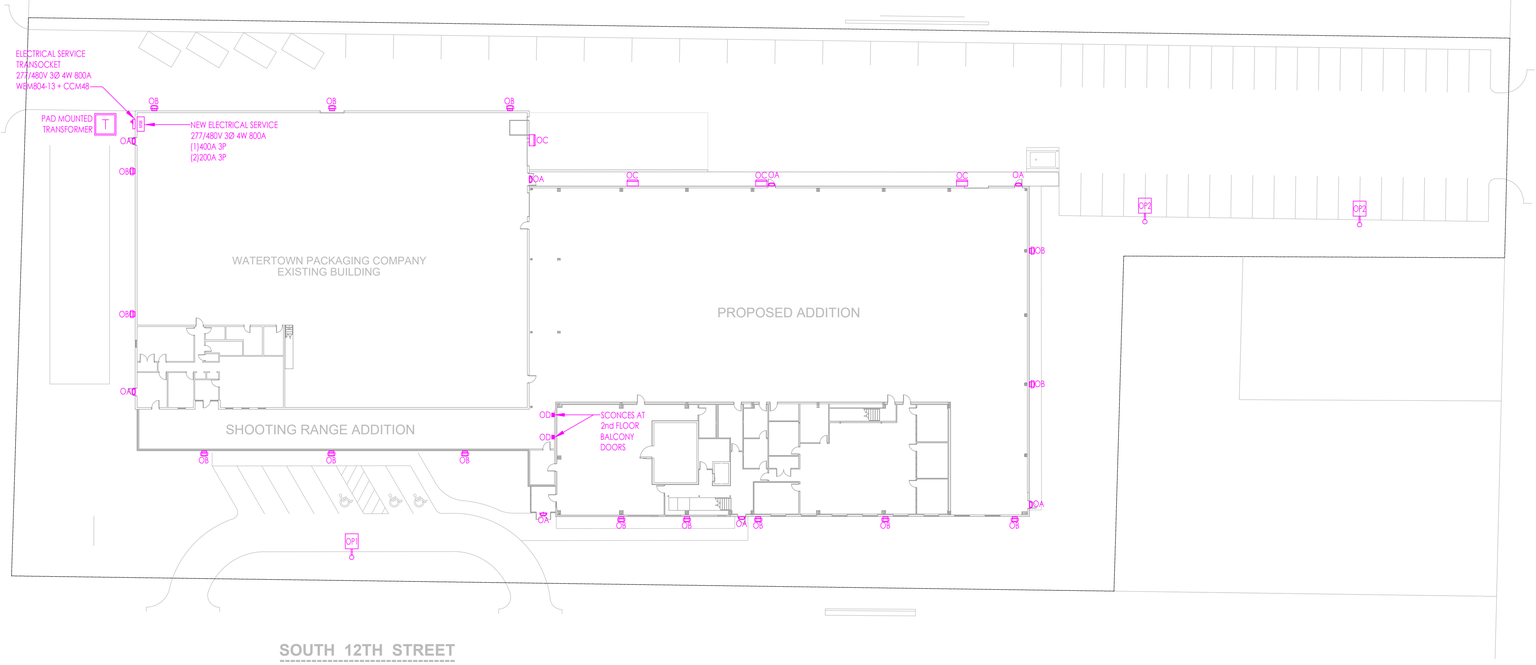
RECOMMENDATION:

Staff recommends approval of the proposed Site Plan, subject to review comments from the Site Plan Review Committee, the Plan Commission, and conditions of approval as follows:

1. Applicant will obtain sign permits for any proposed on-building or on-site signage.

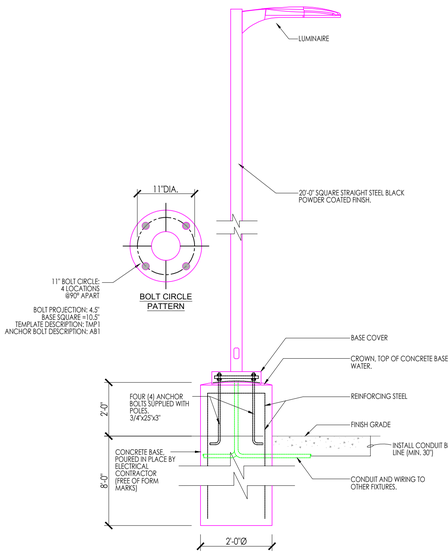
ATTACHMENTS:

- Application materials



SITE PLAN - ELECTRICAL

SCALE: 1" = 30'-0"



LIGHTING STANDARD ELEVATION (TYPE OP1/OP2)

1

NO SCALE

EXTERIOR LIGHTING FIXTURE SCHEDULE

QTY	TYPE	LAMP DATA TYPE	DESCRIPTION	LIGHTING FIXTURE MAKE	CATALOG NO.	MOUNTING		DIMMING	DRIVER LOCATION	VOLT	SEE NOTE
8	OA	32W LED 1600L 40K	LED SECURITY WALLPACK LIGHT WITH BLACK FINISH & EM DRIVER/HEATER/PHOTOCELL	MULE LIGHTING	MERU-LED ACEM BK IH	WALL	N/A	-	-	120	
15	OB	75W LED 10000L 40K	SLIM LED ADJUSTABLE WALL PACK WITH BLACK FINISH	ILP LIGHTING	SWP-10L-U-CCTS{40K}-BLK + EK4036S	WALL	N/A	0-10V	FIXTURE	120	
4	OC	119W LED 16000L 40K	OPEN FACE LED WALL PACK WITH BLACK FINISH	ILP LIGHTING	OWL-10L/13L/16L-U-CCTS{40K}-BLK + EK4036S	WALL	N/A	0-10V	FIXTURE	120	
2	OD	24W LED LED 1000L 40K	DECORATIVE OUTDOOR LED LIGHT WITH METAL ACCENTS IN TEXTURED GRAY FINISH	AFX LIGHTING	SEWS182300L30MVTG-PC	WALL	N/A	0-10V	FIXTURE	120	
1	OP1	131W LED 17172L 40K	SINGLE LED POLE HEAD WITH TYPE 2 DIST./HSS ON 20'-0" POLE/2'-0" BASE WITH BLACK FINISH	COOPER	PRV-P-C40-D-UNV-T2-SA-BK-HSS (HEAD) + SSS4A20SYM1 / AB1 / TMP1 (POLE)	2'-0" CONC BASE		0-10V	FIXTURE	120	
2	OP2	131W LED 17144L 40K	SINGLE LED POLE HEAD WITH TYPE 5 DIST. ON 15'-0" POLE/2'-0" BASE WITH BLACK FINISH	COOPER	PRV-P-C40-D-UNV-T3-SA-BK-HSS (HEAD) + SSS4A20SYM1 / AB1 / TMP1 (POLE)	2'-0" CONC BASE		0-10V	FIXTURE	120	

ELECTRICAL SYMBOLS LEGEND

OUTLETS
- DUPLEX RECEPTACLE (120 VOLT)
- SEPERATE CIRCUIT RECEPTACLE
- WEATHERPROOF RECEPTACLE
- GROUND FAULT RECEPTACLE
- GROUND FAULT PROTECTED RECEPTACLE (WIRE TO LOAD SIDE OF 1st GFI)
- ISOLATED GROUND RECEPTACLE
- TAMPERPROOF RECEPTACLE
- SHOW WINDOW RECEPTACLE (MOUNT WITHIN 18" OF TOP OF WINDOW)
- DUPLEX RECEPTACLE AT COUNTER HEIGHT (VERIFY COUNTER/BACKSPLASH HEIGHT)
- DOUBLE DUPLEX RECEPTACLE
- TAMPER RESISTANT RECEPTACLE
- USB RECEPTACLE
- USB/WEATHER RATED RECEPTACLE
- RECEPTACLE IN WIREMOLD SYSTEM
- CLOCK RECEPTACLE
- FLOOR RECEPTACLE: DUPLEX
- FLOOR BOX/DATA DUPLEX
- FURNITURE BASE FEED
- SPECIAL EQUIPMENT RECEPTACLE
- TELEPHONE/DATA OUTLET
- TELEPHONE OUTLET
- FAX OUTLET
- FLOOR TELEPHONE OUTLET
- DATA OUTLET
- WIRELESS ACCESS POINT
- TV OUTLET (COAX/VERIFY)
- TELEPOWER POLE
- JUNCTION BOX
- WALL/SURFACE JUNCTION BOX
- JUNCTION BOX WITH FLEX PIGTAIL
- PULL (JUNCTION) BOX

SWITCHES
- SINGLE-POLE SWITCH
- DOUBLE-POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- SWITCH WITH PILOT LIGHT
- COMB. SWITCH/DUPLEX RECEPTACLE
- MANUAL MOTOR SWITCH (AS REQ'D)
- LOW-VOLTAGE SWITCH
- KEY SWITCH
- WEATHERPROOF SWITCH
- OCCUPANCY SENSOR SWITCH
- DIMMER SWITCH (WATTAGE SHOWN)
- DIMMER SWITCH (LED DIMMER)
- DIMMER SWITCH (0-10V LED DIMMER) (GRAY/PURPLE CONTROL WIRES REQ.)
- DUAL LEVEL SWITCHING

CONTROL
- CEILING OCCUPANCY SENSOR
- PHOTOCELL (voltage as required)
- DUAL TECHNOLOGY OCC SENSOR (PIHJT)
- PASSIVE INFRARED OCC SENSOR
- POWER PACK LOCATION FOR LOW VOLTAGE MULTI-SENSOR SYSTEM
- ULTRASONIC TECHNOLOGY OCC SENSOR
- TIME CLOCK (24 hour U.O.N.)
- LIGHTING CONTACTOR
- PUSHBUTTON STATION (number of buttons indicated)
- THERMOSTAT (line voltage U.O.N. furnished by HVAC U.O.N.)
- HUMIDISTAT (line voltage U.O.N. furnished by HVAC U.O.N.)

FIXTURES
- SURFACE FLUOR. FIXTURE W/BOX
- RECESSED FLUORESCENT FIXTURE
- FLUORESCENT STRIP FIXTURE
- NIGHT LIGHT (on 24 hours)
- FIXTURE ON EMERGENCY CIRCUIT
- RECESSED DOWNLIGHT
- RECESSED WALLWASHER
- SPOTLIGHT (number of heads shown)
- KEYLESS LAMPHOLDER
- PULLCHAIN LAMPHOLDER
- EXIT FIXTURE (arrows indicate number of faces)
- EXIT FIXTURE, WALL MOUNTED
- INCANDESCENT WALL BRACKET
- INCANDESCENT CEILING MOUNTED
- LIGHT TRACK
- LIGHT TRACK FIXTURE
- NEMA TYPE V PADDLE MTD. FIXTURE
- NEMA TYPE III PADDLE MTD. FIXTURE
- NEMA TYPE III WALL MTD. FIXTURE
- SPECIAL PURPOSE FIXTURE
- H.I.D. CEILING FIXTURE
- EMERGENCY BATTERY LIGHT (number of heads shown)
- EXTERIOR EGRESS REMOTE FIXTURE

SERVICE and EQUIPMENT
- TRANSFORMER, PAD MOUNTED
- TRANSFORMER, DRY (KVA shown)
- DISCONNECT SWITCH (fuse size shown)
- NON-FUSED DISC. (switch size shown)
- MAGNETIC STARTER (BY HVAC U.O.N.)
- COMB. STARTER (BY HVAC U.O.N.)
- PANELBOARD, SURFACE MOUNTED
- PANELBOARD, FLUSH MOUNTED
- WEATHERHEAD
- UTILITY METER, AS REQUIRED
- GENERATOR, KW SHOWN
- TELEPHONE TERMINAL BOARD
- TELEPHONE TERMINAL CABINET (surface unless otherwise noted)
- GROUND CONNECTION PER N.E.C.
- WIREWAY
- CIRCUIT BREAKER
- ENCLOSED CIRCUIT BREAKER

MECHANICAL
- MOTOR AND CONNECTION, AS NOTED
- ELECTRIC BASEBOARD HEATER
- ELECTRIC CABINET HEATER
- ELECTRIC WATER HEATER
- PADDLE FAN

CIRCUITRY and RACEWAYS
- CONDUIT INSTALLED (underground)
- CONDUIT INSTALLED (overhead)
- CIRCUIT UP
- CIRCUIT DOWN
- HOME RUN (with circuit numbers)
- CONDUCTORS (ground, neutral, phase, switch leg, two travelers)
- END OF RUN, CAP AND STAKE
- "RUN CONTINUES" INDICATION
- FLEXIBLE PIGTAILS/CONNECTIONS
- WIREMOLD, AS NOTED
- PLUGMOLD, AS NOTED
- BUS DUCT, AS NOTED
- UNDERFLOOR DUCT, AS NOTED

DESIGNATIONS
- C — RECEPTACLE MOUNTED ABOVE COUNTER HEIGHT (VERIFY WITH ARCH./MILLWORK DWGS)
- BC — RECEPTACLE MOUNTED BELOW COUNTER WITH GROMMET(VERIFY WITH ARCH./MILLWORK DWGS)
- DLS — DUAL LEVEL SWITCHING
- TP — TAMPERPROOF
- UON — UNLESS OTHERWISE NOTED
- ETR — EXISTING TO REMAIN (AS-IS)
- EX — EXISTING LOCATION
- EXN — EXISTING LOCATION/REPLACE WITH NEW
- AFF — ABOVE FINISH FLOOR
- AFG — ABOVE FINISH GRADE
- REVISION NOTE
- FLAG NOTE

FIRE ALARM
- FACP — FIRE ALARM CONTROL PANEL
- ANN — ANNUNCIATOR PANEL
- NAC — NAC BOOSTER PANEL
- FLOW SWITCH
- TAMPER SWITCH
- PULL STATION
- REMOTE STROBE LIGHT, WALL MTD.
- REMOTE STROBE LIGHT, CLG. MTD.
- HORN & STROBE, WALL MTD.
- HORN & STROBE, CLG MTD.
- VISUAL CANDELA RATING FOR UNIT — #cd
- DETECTOR: SMOKE ALARM
- DETECTOR: HEAT DETECTOR
- DUCT DETECTOR
- DETECTOR: IONIZATION
- DETECTOR, RATE OF RISE
- SPRINKLER BELL
- SPEAKER & LIGHT
- END OF LINE DEVICE — EOL
- CONTROL MODULE — C
- MONITOR MODULE — M
- MAGNETIC DOOR HOLDER — DH
- FIREFIGHTER COMMUNICATION JACK — FC
- AUDIBLE SIGNAL — AS
- COMBINATION SMOKE/CARBON MONOXIDE ALARM IN LIVING UNITS — SC
- MINI HORN IN LIVING UNITS
- 120V SMOKE ALARM WITH BATTERY BACK-UP FOR LIVING UNITS — S

SECURITY/ACCESS
- DOOR CONTACT — DC
- DOOR POSITIONING SWITCH/CONTACT — DPS
- ELECTRIC DOOR STRIKE — ES
- REQUEST TO EXIT (ABOVE DOOR) — RTE
- MOTION DETECTOR — MD
- KEYPAD — KP
- CARD READER — CR
- CAMERA
- CEILING SPEAKER — S
- COLUMN SPEAKER — S
- DOOR BELL BUTTON — DB
- INTERIOR 2-TONE BELLS (PROVIDE 120V OUTLET FOR LV XFMR) — B
- PUSH PAD FOR POWER AUTO DOOR ACCESS — PP
- PANIC BUTTON UNDER DESK — PANIC PB

SOUND and SIGNAL
- SPEAKER
- VOLUME CONTROL — V
- BUZZER — B
- CHIME — CH
- TELEVISION OUTLET (VERIFY REQ) — TV
- MICROPHONE OUTLET — M
- INTERCOM OUTLET — I

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CONTACT: NATHAN STOPPENBACH
TEL: 262.366.6045
EMAIL: NATHAN@EDGEELECTRICWI.COM

PROJECT NAME:

GRIFFIN ARMAMENT
ENGINEERED SILENCE®

GRIFFIN ARMAMENT
ADDITION

801 S. 12TH STREET
WATERTOWN, WISCONSIN 53094

Revisions

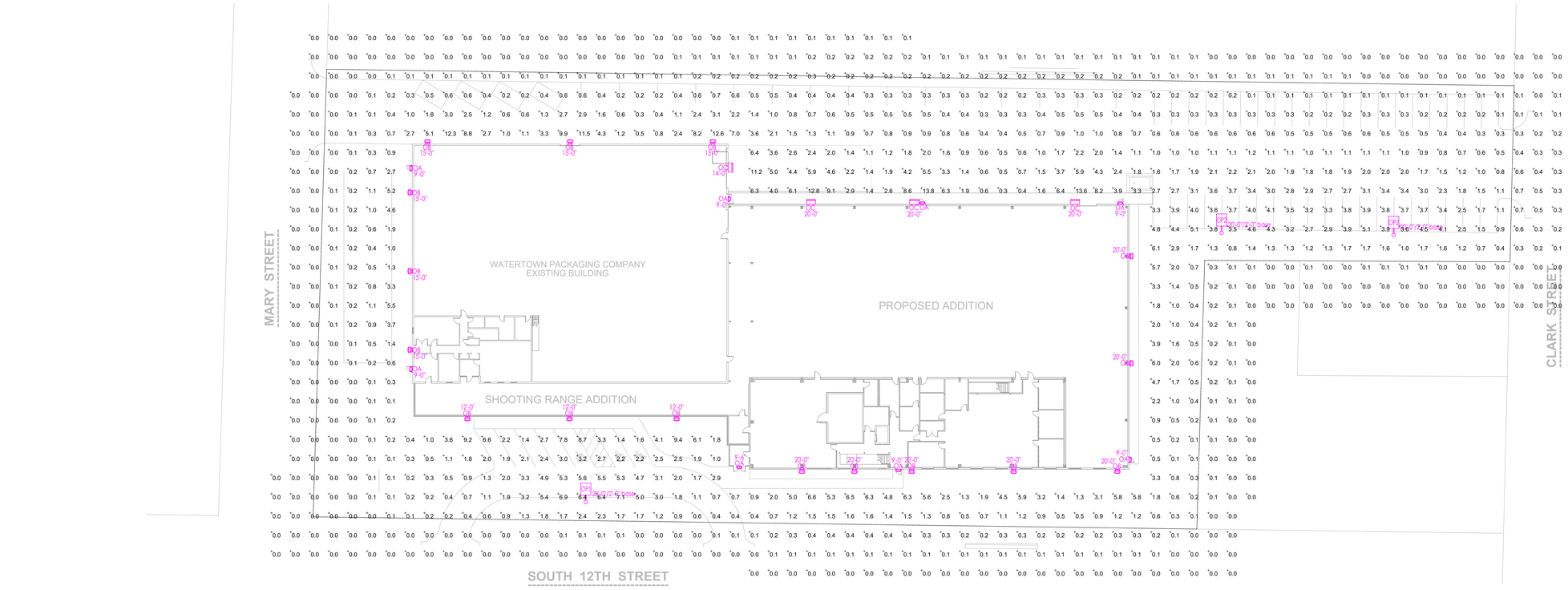
Description	Date

SHEET TITLE:
Site Plan - Electrical

DRAWN BY:
RC

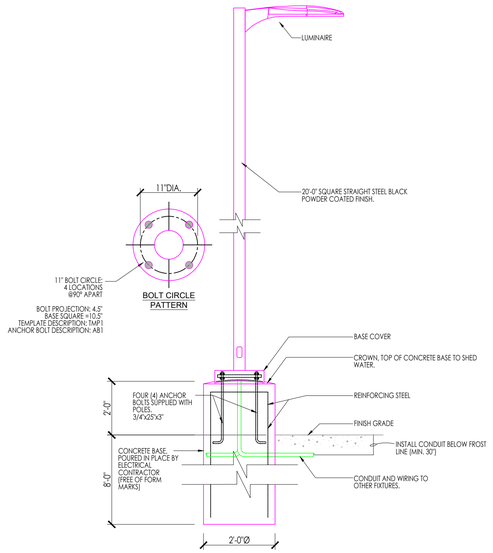
DATE:
01/06/2023

SHEET:
E0



SITE PLAN - PHOTOMETRIC

SCALE: 1" = 30'-0"



LIGHTING STANDARD ELEVATION (TYPE OP1/OP2)

1

NO SCALE

EXTERIOR LIGHTING FIXTURE SCHEDULE

QTY	TYPE	LAMP DATA TYPE	DESCRIPTION	LIGHTING FIXTURE MAKE	LIGHTING FIXTURE CATALOG NO.	MOUNTING		DIMMING	DRIVER LOCATION	VOLT	SEE NOTE
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2	OP2	131W LED 17144L 40K	SINGLE LED POLE HEAD WITH TYPE 5 DIST. ON 15'-0" POLE/2'-0" BASE WITH BLACK FINISH	COOPER	PRV-P-C40-D-UNV-T3-SA-BK-HSS (HEAD) + SSS4A20SYM1 / AB1 / TMP1 (POLE)	2'-0" CONC BASE		0-10V	FIXTURE	120	

Statistics

Description	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone	1.1 fc	13.8 fc	0.0 fc	N/A	N/A

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PROJECT NAME:

GRIFFIN ARMAMENT
ENGINEERED SILENCE®

GRIFFIN ARMAMENT ADDITION

801 S. 12TH STREET
WATERTOWN, WISCONSIN 53094

Revisions

Description	Date

SHEET TITLE:
Site Plan - Photometric

DRAWN BY:
RC

DATE:
01/06/2023

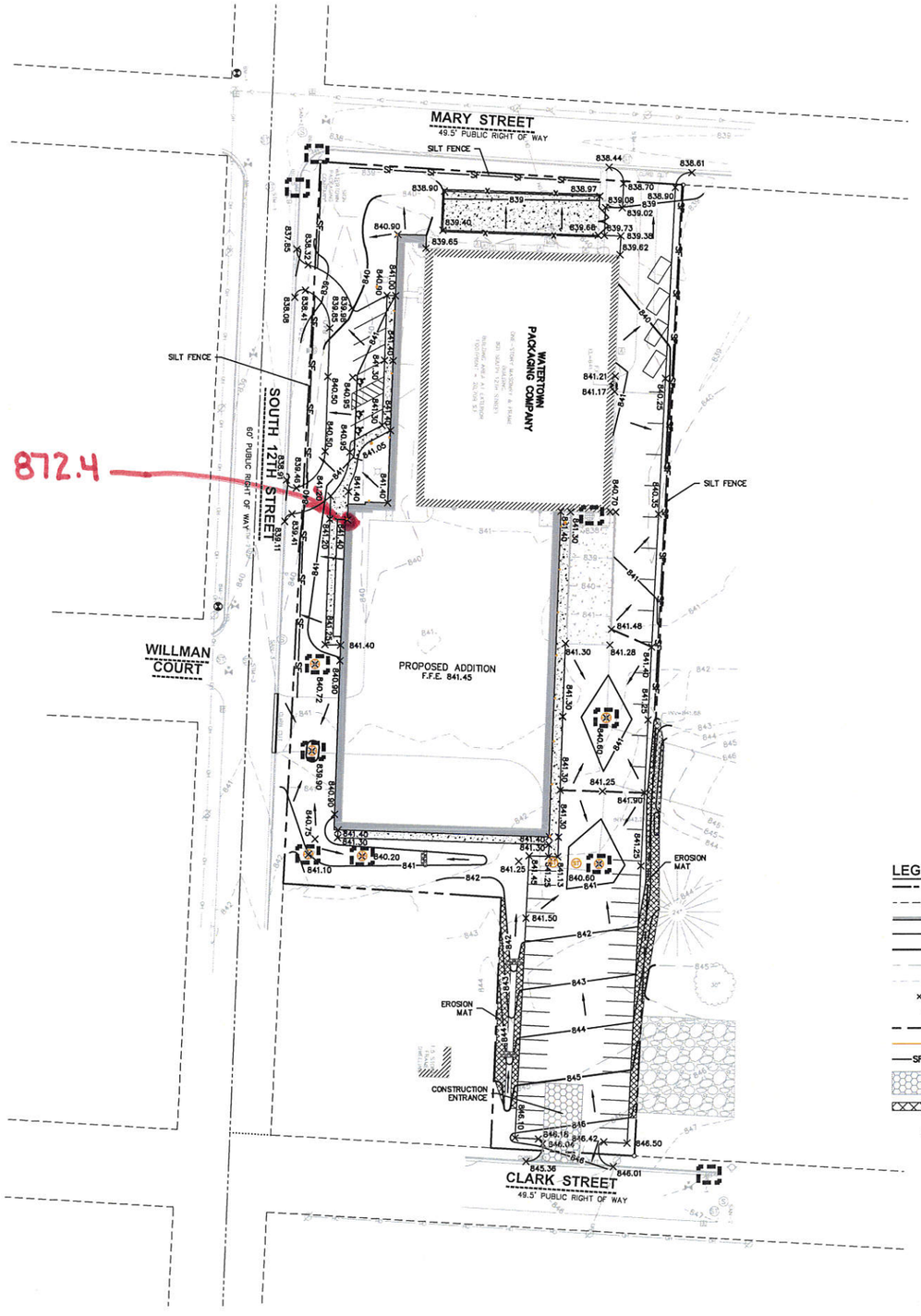
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EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF WATERTOWN OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF WATERTOWN ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF WATERTOWN PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF WATERTOWN.
9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
    A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
    B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
    C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.
17. STABILIZATION PRACTICES:
    - 17.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
    - 17.2. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
    - 17.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
    - 17.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
        - PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
        - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE)
        - HYDRO-MULCHING WITH A TACKIFIER
        - GEOTEXTILE EROSION MATTING
        - SODDING

GRADING AND SEEDING NOTES

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
3. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.
4. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
5. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
6. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
7. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
8. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
9. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND CITY OF WATERTOWN ORDINANCE.



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- BUILDING OUTLINE
- 844 PROPOSED 1 FOOT CONTOUR
- 845 PROPOSED 5 FOOT CONTOUR
- 844 EXISTING 1 FOOT CONTOUR
- 845 EXISTING 5 FOOT CONTOUR
- × 846.50 SPOT ELEVATION
- DRAINAGE DIRECTION
- GRADE BREAK
- ST STORM SEWER
- SF SILT FENCE
- CONSTRUCTION ENTRANCE
- EROSION MATTING
- DITCH CHECK
- INLET PROTECTION

north

SCALE IN FEET
40' 0 40'

DIGGERS HOTLINE
Toll Free (800) 242-8511

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com
MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
BAYLAND BUILDINGS, INC.

CLIENT ADDRESS:
P.O. BOX 13571
GREEN BAY, WI 54307-3571

PROJECT:
GRIFFIN ARMAMENT

PROJECT LOCATION:
801 SOUTH 12TH ST.
WATERTOWN, WI 53094
JEFFERSON COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	01.03.23	DOWNSPOUTS & SANITARY
2	01.06.23	ADDED FENCE
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: JJS
Reviewed By: TJB
Approved By: JLJ

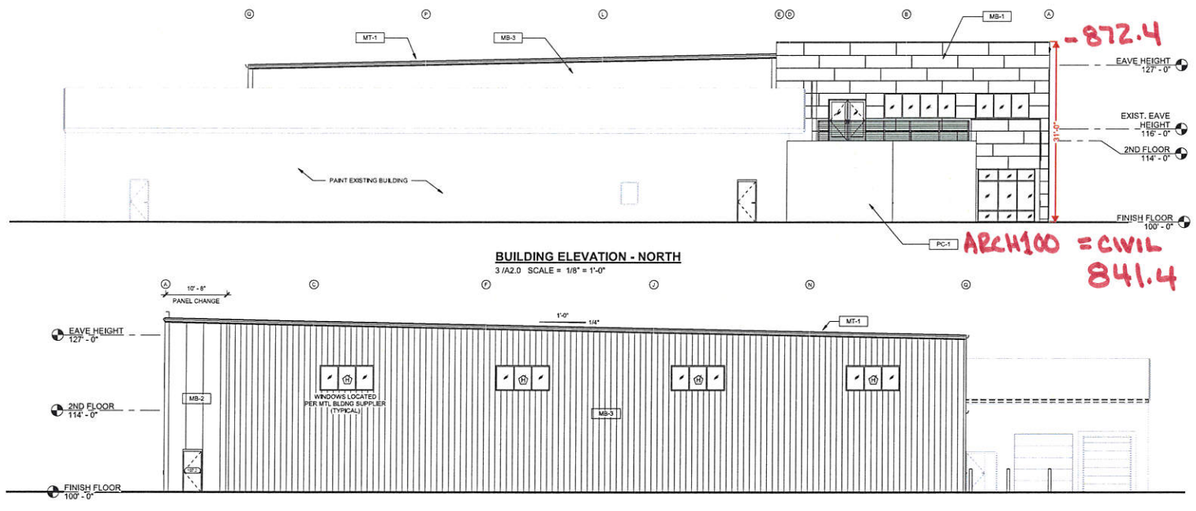
SHEET TITLE:
SITE GRADING & EROSION CONTROL PLAN

SHEET NUMBER:
C3.0

JSD PROJECT NO: 22-11674

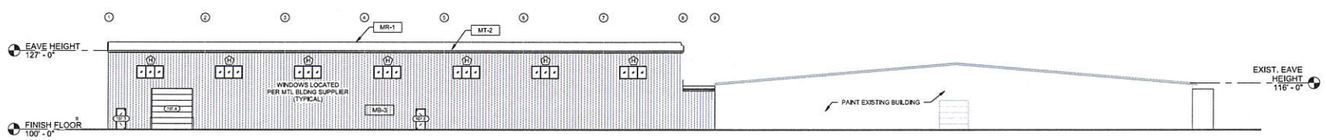
THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

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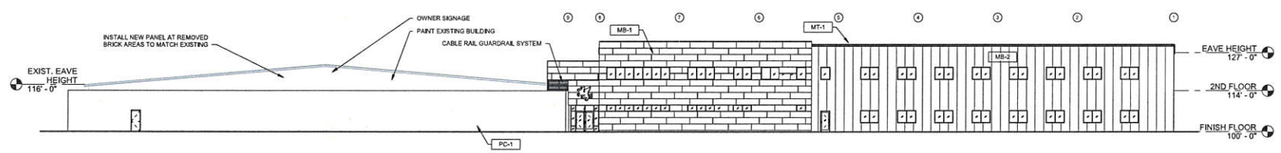


BUILDING ELEVATION - NORTH
3 /A2.0 SCALE = 1/8" = 1'-0"

BUILDING ELEVATION - SOUTH
4 /A2.0 SCALE = 1/8" = 1'-0"



BUILDING ELEVATION - EAST
2 /A2.0 SCALE = 1/16" = 1'-0"



BUILDING ELEVATION - WEST
1 /A2.0 SCALE = 1/16" = 1'-0"

12/1/2022 2:13:56 PM

EXTERIOR FINISH LEGEND

MARK	DESCRIPTION
MB-1	MATERIAL: ACM PANEL SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MB-2	MATERIAL: 16" TEXTURECLAD PANEL SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MB-3	LOCATION: WALL PANEL MATERIAL: 26GA SEMI-CONCEALED SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MR-1	LOCATION: ROOF PANEL MATERIAL: 26GA SSR SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MT-1	LOCATION: FASCIA TRIMS & SOFFITS MATERIAL: VERIFY SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MT-2	LOCATION: RAKE, GUTTERS & TRIMS MATERIAL: VERIFY SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
PC-1	MATERIAL: PRECAST CONCRETE WALL PANELS SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:

BAYLAND

BAYLAND BUILDINGS
P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX: (920) 498-3053
www.bayandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:
GRIFFIN ARMAMENT
WATERTOWN, WISCONSIN; COUNTY OF:
JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION FOR THE ARCHITECTURAL WORK EXTENDS TO THE DESIGN AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS TO CONSTRUCT A BUILDING REPRESENTED CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 22-5181
PROJECT EXECUTIVE: MATT RITTER
DRAWN BY: CMP / LJP
DATE: 12/02/22
REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☒ DESIGN REVIEW		
☐ CHECKSET		
☐ CONSTRUCTION		

EXTERIOR ELEVATIONS

A2.0

EDGE ELECTRIC

EXTERIOR SITE LIGHTING CUT SHEETS

GRIFFIN ARMAMENT
ENGINEERED SILENCE®

801 S 12th STREET
WATERFORD, WI 53094

GENERAL CONTRACTOR
BAYLAND BUILDINGS
P.O. BOX 13571
GREEN BAY, WI 54307

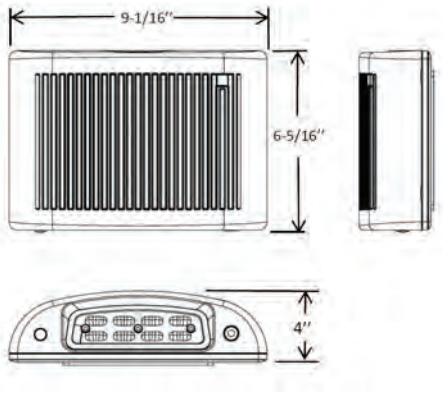
MERU Series

LED GENERAL & EMERGENCY LIGHTING

PRODUCT DESCRIPTION

The MERU Series is an architectural, low-profile outdoor light, offering “normally On” AC and emergency lighting with powerful LED illumination. The housing is fully sealed and gasketed, and has an IP65 rating. Designed for wall mounting with universal K/O pattern in back-plate for easy installation to most standard size junction boxes. Includes a single ½” NPT conduit entry in the top, center of the housing. Illumination provided by 8 high power LEDs which achieve 1,600 lumens in AC and 600 lumens in emergency. LED color at 4000K.





PRODUCT SPECIFICATIONS

CONSTRUCTION

Die cast aluminum housing with superior heat sink • Scratch resistant Polyester powder coat finish • UV resistant polycarbonate lens • Snap-fit housing and mounting plate are held together by four stainless steel clips • Universal mounting pattern molded into the back plate • 1/2" threaded top access for surface conduit installation • Silicone rubber seal with hollow center, shape adaptive design protects the electrical components • Junction box neoprene seal is attached to the back plate for a weather proof installation • Dark Bronze or White textured finish.

ELECTRICAL

Dual voltage 120/277VAC 60Hz input • Solid state charging and switching • Battery low voltage disconnect • AC power indicator and test switch at the bottom of the unit • Standard with Self Diagnostics to monitor proper operation.

LAMPS

Supplied with eight (8) LG SMD 4000K LED'S • L70 > 72,000hours • 17 Watts total (32 Watts with IH option) • 1600 Lumens in AC mode, 600 Lumens in Emergency mode • Full cut-off optics for Dark Sky compliance

BATTERY

Maintenance-free, long-life rechargeable NiCad battery will operate fixture for a minimum of 90 minutes in the event of a power outage • 24 hour recharge after 90 minute discharge.

CODE COMPLIANCE

UL924 • Listed for wet location applications (0˚C-50˚C) • Optional "IH" cold weather package for (-40˚C-50˚C) • IP65 Rated • NFPA 101 Life Safety Code compliant • NEC and OSHA compliant • DLC Listed • RoHS Compliant

WARRANTY

5-year warranty. Product specifications subject to change without notice.

ACEM Model (NiCad Battery Backup)

Integral photocell: Unit operates as a dusk to dawn luminaire and in the event of a power failure as an emergency light.
Remote Switched: The integral photocell can be defeated to allow remote switching for normal operation. In the event of a power failure unit operates as an emergency light.

INSTALLATION

MOUNTING

Suitable for indoor or outdoor wall mounting on junction box, or with surface conduit using the supplied 1/2" threaded top access • Mounting plate has molded universal mounting pattern for simple mounting over junction box.

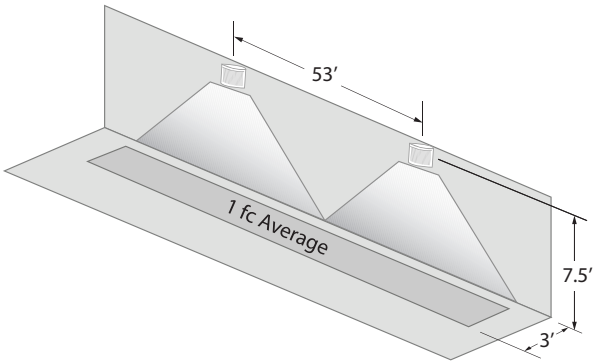
ORDERING INFORMATION

model	operation mode	housing color	options
MERU-LED	ACEM = General & Emergency Lighting	DB = Dark Bronze	*Self-Diagnostics & Photocell (Included Standard)*
	AC = General Lighting	WH = White	IH = Internal Heater
		BK = Black	PIR = Passive Infra-Red Motion Sensor
Ordering Example: MERU-ACEM-DB		NK = Nickel	

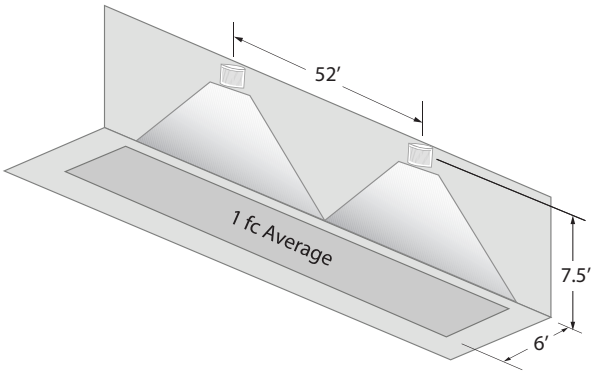
Mule Lighting , Inc. 46 Baker Street Providence, RI 02905 800 556-7690 P 401 941-2929 F www.mulelighting.com

PHOTOMETRICS

3ft Path Spacing



6ft Path Spacing



SELF DIAGNOSTICS

Included Self Diagnostic

Diagnostic Indicator / Test Switch	Manual Testing
Ready	
In Test	
Battery Circuit Fault	
Battery Capacity Failure	
Charger Failure	
Transformer Fault	
Lamp Failure	
	Press button once - 1 minute test
	Press button twice - 5 minute test
	Press button 3 times - 30 minute test
	Press button 4 times - 90 minute test

Full self-test, self-diagnostic system is standard in every unit, performs a monthly, test as well as continuously monitoring all functions to ensure reliability, a manual test may be initiated at any time



Project Name:	Part Number: SWP-10L-U-CCTS-BLK+ EK4036S	Type:

SLIM WALL PACK

LED ADJUSTABLE WALL PACK

SET TO 10L/4000K

ILP
407-478-3759
www.ilp-inc.com

FEATURES

- Low profile die-cast aluminum housing
- Bronze polyester powder coat finish (std.)
- Custom and factory select colors available[1]
- Isolated optical compartment with tempered glass lens and silicone gaskets
- 90° adjustable Type IV distribution or Optional IDA fixed model[2]
- Quick mount bracket standard for easy surface mount installation
- Three ½" coin plugs on sides for conduit or electronic photocell
- 120–277V Universal Voltage or 347V–480V High Voltage[3]
- Achieve code compliance with a fixed down PIR sensor with fully adjustable distribution aiming
- 0–10V Dimmable Driver (std.)
- Deep box 10W CEC Title 20 compliant battery backup & cold weather battery[1]
- Optional Field Adjustable Output device (FAO) allows individual luminaire lumen output control
- 3000K, 4000K & 5000K CCT Selectable via Integral selector
- >70 Color Rendering Index (CRI)
- Calculated L_{70} >100,000 hrs @ 25°C per TM-21-11
- IP65 Rated Luminaire
- 5 Year Warranty (std); 10 Year Warranty Optional
- ETL Listed for Wet Locations
- DesignLights Consortium® Premium Qualified Luminaire

[1]Contact factory for pricing and availability [2]Fixed 3000K CCT model only
[3]347–480V available in 5L, 8L, 10L Lumen Packages Only



Small Housing 2L - 3L



Large Housing 5L-10L
Shown with Sensor Box

*With FAO Option

SUITABLE APPLICATIONS

- Pedestrian Walkways
- Building Entrances
- Multi-use Facilities
- Industrial Facilities
- Parking Lots
- Storage Facilities
- Institutions
- Schools
- Loading Docks

ORDERING GUIDE:

SERIES	LUMENS	DRIVER	CCT	FINISH	WARRANTY
☑ **SWP** Slim Wall Pack	☐ **2L** ☐ **3L** ☐ **5L** ☐ **8L** ☑ **10L**	☑ **U** 120-277V ☐ **HV**[1] 347-480V	☑ **CCTS** Selectable CCT (5000K, 4000K, 3000K) ☐ **30**[3]	☐ **BRZ** Bronze ☑ **BLK**[4] Black ☐ **WHT**[4] White ☐ **SLV**[4] Silver	☐ **BLANK** 5 Year ☐ **10YR**[7,8] 10 Year

OPTIONS

Factory Installed		Ship with Accessories	
☐ **SP1**[2,6]	10kA Max Univolt Surge Protection	☐ **SWP-FAO10V**	Field Adjustable Output via 0-10V Wires
☐ **SP2**[2,6]	22kA Max 120–277V Surge Protector	☐ **SWP-ARM3-xxx**	Pole Mount Arm Kit, 3" long (xxx=BRZ, BLK, WHT, SLV)
☐ **IDA**[3]	Dark Sky IDA Fixture Seal of Approval	☐ **SWP-BPS-xxx**	18x9 Beauty Plate Kit, Small (xxx=BRZ, BLK, WHT, SLV)
☐ **LEDBB**[1,2]	10W UNIV Battery Backup (32°–100°F)	☐ **SWP-BPL-xxx**	18x9 Beauty Plate Kit, Large (xxx=BRZ, BLK, WHT, SLV)
☐ **LEDBBCT**[1,2]	20W UNIV CT Battery Backup (-4°–122°F)		
☐ **FAO**	Field Adjustable Output via 0-10V Wires		
Controls			
☐ **PCU**[2]	Electronic UNIV Photocell (120-277V)		
☐ **USBD/Lx**[5,9]	Bluetooth User Select Bi-Level Dim Occ. Sensor; (x= Mounting height; 2=8', 3=20')		

[1]5L, 8L, 10L Lumen Packages Only
[2]Not available with HV option
[3]Fixed to 3000K CCT and no angle adjustability for IDA Compliance. Must choose 30 CCT and IDA option to qualify
[4]Contact Factory for pricing and availablity
[5]Does not qualify for DLC
[6]SP1/SP2 specified in combination with battery backups, separate surge protectors are required per electrical line
[7]Contact Factory for more details
[8]Requires additional surge protection (SP1,SP2, SP480V2); For additional details see general terms and conditions
[9]Requires bluetooth enabled device for programming (provided by others)

QUICK SHIP ITEMS:

SERIES	LUMENS	DRIVER	COLOR	FINISH
☑ **SWP** Slim Wall Pack	☐ **2L** ☐ **3L** ☐ **5L** ☐ **8L** ☑ **10L**	☑ **U** 120-277V	☑ **CCTS** Selectable CCT (5000K, 4000K, 3000K)	☑ **BRZ** Bronze

SLIM WALL PACK

LED ADJUSTABLE WALL PACK

LED SYSTEMS INFO[1]	3000K			4000K			5000K					
Part Numbers	Lumens	Efficacy	BUG Rating	Lumens	Efficacy	BUG Rating	Lumens	Efficacy	BUG Rating	Watts[2]	Replaces	DLC Listing
SWP-2L-U-CCTS	2,445 lm	121 lm/W	B1-U0-G0	2,649 lm	139 lm/W	B1-U0-G0	2,493 lm	125 lm/W	B1-U0-G0	20 W	100W MH	Premium
SWP-3L-U-CCTS	3,125 lm	133 lm/W	B2-U0-G0	3,310 lm	145 lm/W	B2-U0-G0	3,226 lm	136 lm/W	B2-U0-G0	24 W	150W MH	Premium
SWP-5L-U-CCTS	5,323 lm	133 lm/W	B2-U0-G0	5,674 lm	147 lm/W	B2-U0-G0	5,515 lm	137 lm/W	B2-U0-G0	40 W	175W MH	Premium
SWP-8L-U-CCTS	8,173 lm	137 lm/W	B3-U0-G1	8,678 lm	150 lm/W	B3-U0-G1	8,455 lm	141 lm/W	B3-U0-G1	60 W	250W MH	Premium
SWP-10L-U-CCTS	10,092 lm	135 lm/W	B3-U0-G1	10,581 lm	147 lm/W	B3-U0-G1	10,335 lm	138 lm/W	B3-U0-G1	75 W	320W MH	Premium

[1]LED Chips are frequently updated therefore values are nominal
[2]Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

SPECIFICATIONS

CONSTRUCTION

Slim Wall Pack luminaire features a sleek low-profile die-cast aluminum housing with matching housing styles for both a small and medium size housings. Slim Wall Pack is protected with a durable Bronze polyester powder coat finish to withstand extreme weather changes without cracking or peeling (Consult factory for availability of alternate finishes). The Adjustable head pivots up to 90° to allow for more forward throw illumination (IDA option eliminates the adjustability). Universal quick mount bracket eliminates the need to drill through the luminaire housing ensuring reliable IP65 ingress protection and fast hands-free mounting via hanging mechanism. One-piece silicone gasket seals door and back box.

ELECTRICAL

High-performance driver features over-voltage, under-voltage, short circuit and over temperature protection. 0-10V dimming (10% - 100%) standard. Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac). L70 >100,000 hrs. in accordance of IESNA TM-21-11 Projected values at 25°C Ambient temperature. Total harmonic distortion: <20%. Power factor: >0.90. Input power stays constant over life. Minimum 2.5kV surge rating. Optional Field Adjustable Output (FAO) accessory allows for individual lumen output control with 7 adjustable light levels per lumen package. 10W CEC Title 20 compliant battery backup & cold weather battery option available. 120-277V 10W CEC Title 20 compliant battery backup & cold weather battery options provide 90 minutes of constant power to the LED system, ensuring code compliance.

INSTALLATION

The Slim Wall Pack features a universal quick mount bracket, allowing for effortless installation to standard 3½" to 4" round/octagonal, 4" square, single gang, masonry junction boxes or vertical surface mounting (secured by four lag bolts (supplied by others)). ½" NPT conduit entry points allow for surface-conduit or thru-branch wiring. Back box is an authorized electrical wiring compartment. Fixture leads exit the back of the casting through a poke-in water-tight grommet. Integral CCT selector allows for toolless CCT tuning at installation.

OPTICS

The isolated silicone sealed optical chamber utilizes a proprietary high-reflective white molded baffle. Optical assembly features an impact-resistant tempered glass lens and meets IESNA requirements for full cutoff compliance. Available in five lumen packages and CCT selectable via an integral CCT selector switch (3000K, 4000K, & 5000K). The Adjustable head pivots up to 90° to allow for more forward throw illumination. IDA option is fixed 3000K and does not allow for head pivoting (full-cutoff).

THERMAL

The Slim Wall Pack features an array of High-efficacy mid-power LED's on a metal core circuit board. The LED board is mounted directly to a cast aluminum housing with heat dissipating fins to provide excellent thermal performance extending the life of electronic components. Operating Ambient Temperature: -40°C to +40°C (-40°F to 104°F) Operating temperature for standard battery backup: 0°C to +50°C (+32°F to +122°F), Cold Weather battery backup: -20°C to +50°C (-4°F to +122°F).

CONTROLS

Three ½" NPT apertures allow for field or factory installed 120-277V universal electronic photocell.Optional PIR sensors available installed in added sensor housing (see page 3 for more details). Sensors provide optional on/off control, photocell capability, bi-level dimming, and bluetooth configuration allows for on-site modifications. (See page 4 for more information)

CERTIFICATIONS

UL Listed for wet locations. Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY

5 Year Warranty Standard; 10 Year Warranty Optional (Terms and Conditions apply).

SLIM WALL PACK
LED ADJUSTABLE WALL PACK

ADDITIONAL FEATURES & OPTIONS

Quick Mount Bracket



90° Adjustable Type IV Distribution



Optional Beauty Plate



Optional Battery Pack



CONTROLS OPTIONS



USBD
Optional Bluetooth Programmable PIR sensor allows for Continuous Dimming, Motion and/or daylight harvesting, Fully adjustable high/low dimmed light levels, and Adjustable time delay/cutoff delay. The sensor is programmed via a free iOS® or Android® Sensor Configuration App (compatible device provided by others). Available in 8' or 20' mounting lenses. See coverage patterns below.

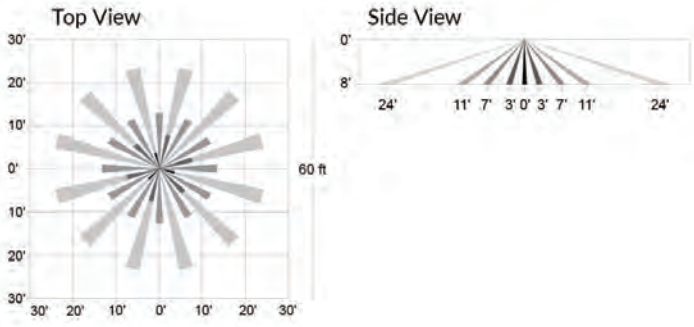
- Default settings:
- High Mode: 100% Output
- Low Mode: 10% Output
- Time Delay: 5 mins
- Cutoff: 1 hr
- Sensitivity: High
- Photocell: Disabled
- Continuous Dimming: Disabled



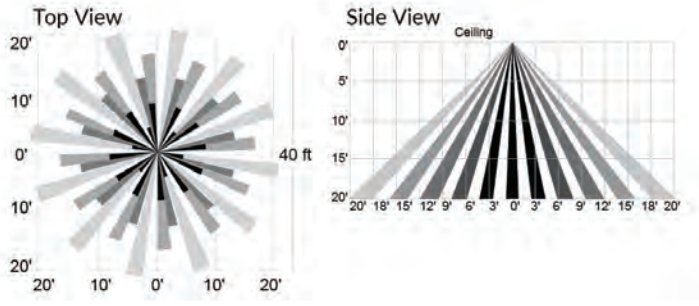
PCU
Three 1/2" apertures allow for field or factory installed 120-277V universal electronic pencil photocell.

COVERAGE PATTERN

USBD/L2



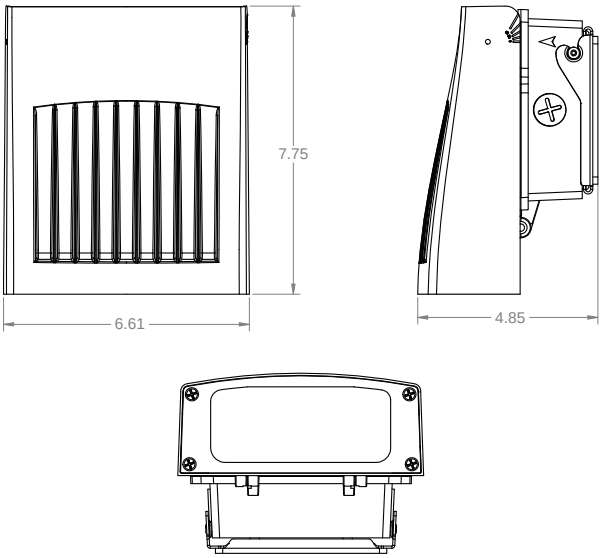
USBD/L3



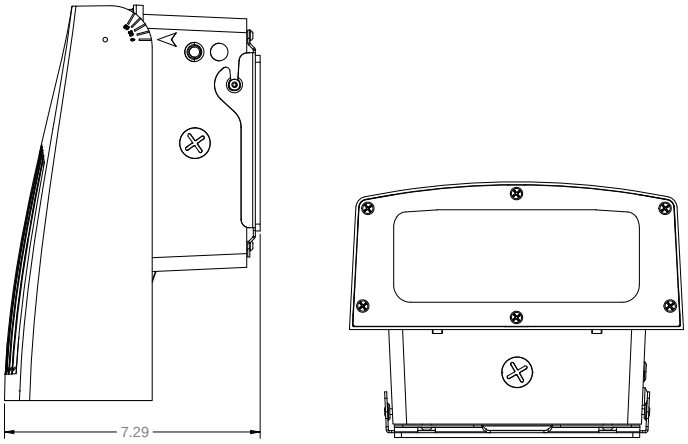
SLIM WALL PACK
LED ADJUSTABLE WALL PACK

LINE DRAWINGS

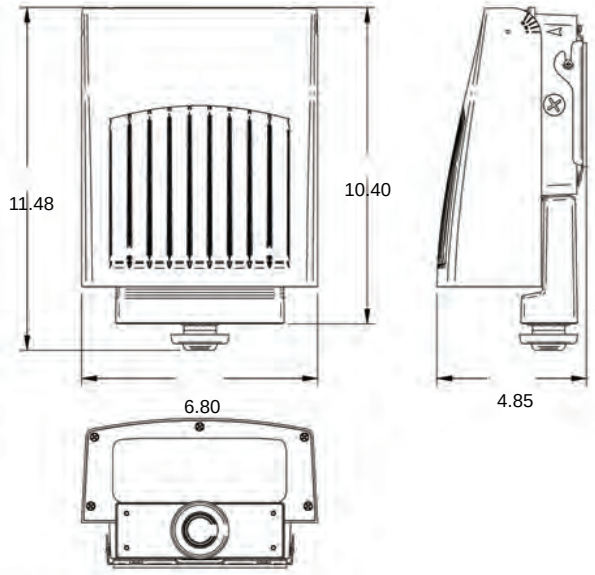
2L & 3L Small Housing



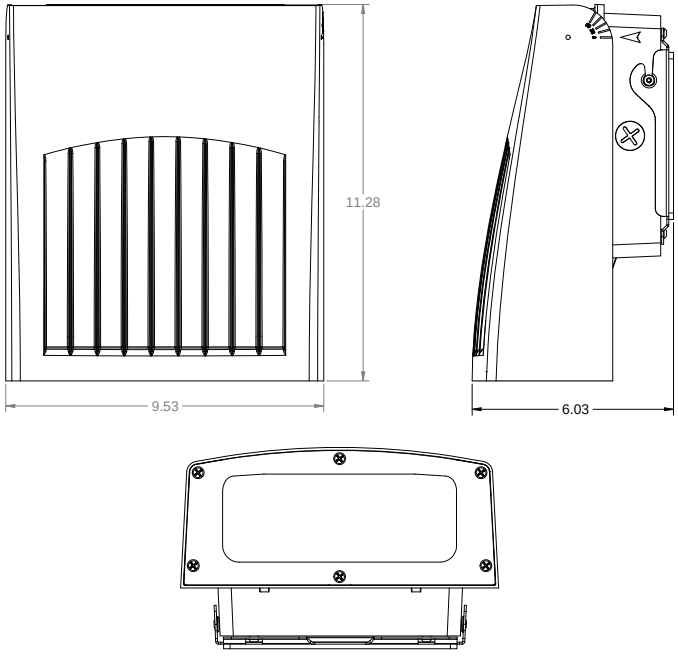
Large with Deep Box Cold Temp Battery Backup



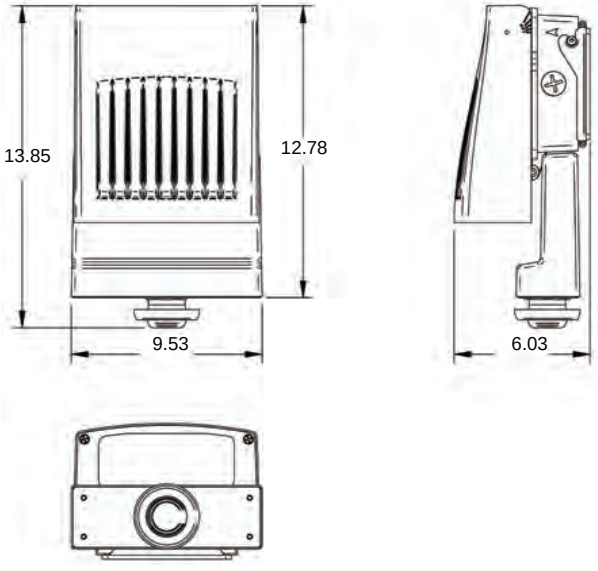
Large with Sensor Box



5L, 8L & 10L Large Housing



Small with Sensor Box



Photocontrol - NightFox™ Button Electronic Photocontrol, 120-277 V

Item EK4036S



PRODUCT DESCRIPTION

NightFox™ electronic photocontrols permanently install on outdoor electrical boxes, in-wall boxes or outdoor lighting fixtures. Ideal for LED fixtures with long-life expectations. Mounts internally to an enclosure with a minimum installation hole size of 5/8" diameter. Comes with 9" wire leads.

FEATURES

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- Conformal coated PCB
- 15-year design life
- Exceeds 10,000 ON/OFF switching cycles
- Fail ON mode
- Ideal for single or multi fixture HID and LED installations (up to 1,650 W @ 277 VAC)
- 255 J MOV surge protection element
- Mounts internally to enclosure
- Features 3/8" - 18 NPSM thread for a minimum installation hole size of 5/8 inch diameter

APPLICATIONS

- Outdoor Lighting Control

TECHNICAL DATA

General	
Model Number	EK4036S
Description	NightFox™ Button Electronic Photocontrol, 120-277 V
UPC Code	078275146280
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	8-Year limited
Usage Environments	Outdoor
Photocontrol Type	Electronic
Expected Lifetime (Years)	15
Expected Lifetime (Operations)	10000
Application Compatibilities	LED; Incandescent; HID
Photocontrol Style	Button
Photocontrol Sensor Location	Front

Control Specifications	
Sensor Time Delay	Instant ON; 2 sec to 5 sec OFF
Photocell Type	Silicon Diode
Photo Control Switch Type	Relay
Fail Mode	ON
Activation On	1.5 fc
Activation Off	4.5 fc

Dimensions

Product Height (in)	2 1/4
Product Height (mm)	57.2
Product Width (in)	1 5/16
Product Width (mm)	33.3
Product Depth (in)	1 1/4
Product Depth (mm)	31.8
Wire Lead Length (in)	9
Wire Lead Length (mm)	228.6
Wire Size Max	#18 AWG

Material Specifications	
Cover Color	Gray
Housing Material	Polycarbonate

Load Ratings	
Tungsten Range(s)	1000 W
Ballast Fluorescent Ranges	1800 VA
Electronic Ballast Load Ratings Ranges	6 A, 120-277 VAC, 50/60 Hz

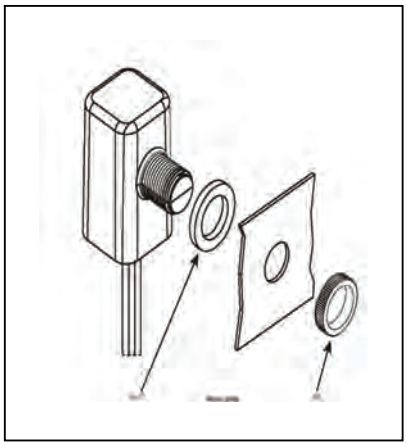
Electrical Specifications	
Wiring Option	Wire leads
Input Voltage Range(s)	120-277 VAC, 50/60 Hz
Surge Protection Technology	255 J MOV, 5,000 A Surge

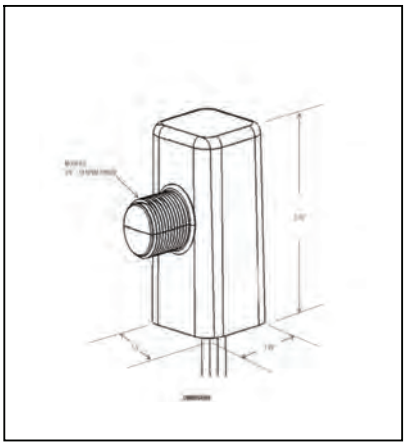
Packaging	
Shipping Weight (lbs)	0.196
Unit Carton Dimensions (H x W x D) in	4.875 x 3 x 1.75 in

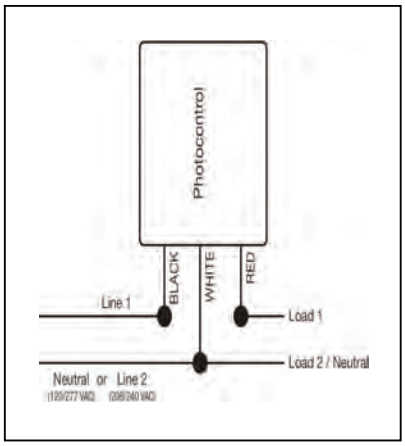
Environmental Specifications	
Temperature (operation)	-40°C..70°C

Standards and Certifications	
UL Certification	UL
CSA Certification	CSA
Other Certifications and Compatibilities	Title 20; Ansi C136.24
California Proposition 65	DEHP
RoHS Certification	Yes
PDF Standards And Certifications	UL; CSA; Title 20
Epi Certifications	UL; CSA; Title 20

DRAWINGS AND DIAGRAMS







ACCESSORIES



6LV1352

Light Shield Accessory for EK4036S, EK4436SM, K4000 Series Button Photocontrols



K43-WP-KIT

Wall Plate Kit for EK4036S, K4000 Series Button Photocontrols



LGLBL

Lens Sticker Accessory for EK4000 & K4000 Series Photocontrols

Project Name:	Part Number: OWL-10L/13L/16L-U-CCTS-BLK + EK4036S	Type:

OPEN FACE WALL PACK - OWM/OWL

LED WALL PACK

SET TO 16L/4000K

ILP
407-478-3759
www.ilp-inc.com

Product Overview

SCAN ME

FEATURES

- Rugged die-cast aluminum housing
- Bronze polyester powder coat finish
- Custom and factory select colors available[1]
- Non-Cutoff Type IV Distribution
- Optional Hood for semi-cutoff Type IV distribution
- Isolated optical compartment with tempered prismatic glass lens and silicone gaskets
- 3000K, 4000K & 5000K CCT Selectable via Integral selector
- Three ½" coin plugs on sides for conduit or electronic photocell
- 120–277V Universal Voltage or 277V–480V High Voltage
- 0–10V Dimmable Driver (std.)
- Battery backup & cold weather battery options available
- 6kV Surge protection 120-277V (std.)
- Calculated L70 >100,000 hrs @ 25°C per TM-21-11
- >70 Color Rendering Index (CRI)
- IP65 Rated Luminaire
- 5 Year Warranty (std); 10 Year Warranty Optional
- ETL Listed for Wet Locations[1]

[1]Contact factory for pricing and availability



SUITABLE APPLICATIONS

- Pedestrian Walkways
- Storage Facilities
- Building Entrances
- Institutions
- Multi-use Facilities
- Schools
- Industrial Facilities
- Loading Docks
- Parking Lots

ORDERING GUIDE:

SERIES	LUMENS	DRIVER	CCT	FINISH	WARRANTY
☐ OWM	☐ 3L/5L ☐ 3L ☐ 5L	☑ U 120-277V ☐ HV 347-480V	☑ CCTS Selectable CCT (5000K, 4000K, 3000K)	☐ BRZ Bronze ☑ BLK[4] Black ☐ WHT[4] White ☐ SLV[4] Silver	☑ 5 Year Blank ☐ 10 Year[1] 10YR
☑ OWL	☐ 5L/8L/10L ☐ 5L ☐ 8L ☐ 10L ☑ 10L/13L/16L ☐ 13L ☐ 16L				

OPTIONS		CONTROLS	
Factory Installed		Basic - Ship with Accessories	
☐ SP1[2,3]	10KA Max 120-277V Surge Protector	☐ PCU [3]	Electronic UNIV Photocell (120-277V)
☐ SP2[2,3]	22KA Max 120-277V Surge Protector		
☐ SP480V2	20kA Max 480V Surge Protector		
☐ FUSE/SXXX	Fuse - Single-line Voltage (120, 277 or 347)		
☐ FUSE/DXXX	Fuse - Dual-line Voltage (208V, 240V or 480V)		
☐ EM5[2,3]	5W 120-277V Battery backup (32°F)		
☐ EM10[2,3]	10W 120-277V High Efficacy CEC Title 20 Battery Backup (32°F)		
☐ EMCT10[2,3]	10W UNIV CT Battery backup (-4°F)		
Ship with Accessories			
☐ HD/xxx	Hood/Glare Shield (xxx=OWM or OWL)		

[1] Requires additional surge protection (SP1,SP2, SP480V2); For additional details see general terms and conditions
[2] SP1/SP2 specified in combination with Battery Backups, separate surge protectors are required per electrical line
[3] Not Available with HV Drivers
[4] Contact factory for pricing and availability

OPEN FACE WALL PACK - OWM/OWL

LED WALL PACK

QUICK SHIP ITEMS:

SERIES	LUMENS	DRIVER	COLOR	FINISH
☐ **OWM** Open Face Wall Pack - Med	☐ **3L/5L**	☐ **U** 120-277V	☐ **CCTS** Selectable CCT (5000K, 4000K, 3000K)	☐ **BRZ** Bronze
☐ **OWL** Open Face Wall Pack - Lg	☐ **5L/8L/10L** ☐ **10L/13L/16L**			

CONTROLS

Basic - Ship with Accessories

☐ **PCU** Electronic UNIV Photocell (120-277V)

LED SYSTEMS INFO[1,3]	3000K			4000K			5000K				
Part Numbers	**Lumens**	**Efficacy**	**Bug Rating**	**Lumens**	**Efficacy**	**Bug Rating**	**Lumens**	**Efficacy**	**Bug Rating**	**Watts[2]**	**Replaces**
OWM-3L/5L-U-CCTS	5202 lm	131 lm/W	B1-U3-G3	5294 lm	137 lm/W	B1-U3-G3	5237 lm	135 lm/W	B1-U3-G3	40 W	175W MH
OWM-3L-U-CCTS	3678 lm	132 lm/W	B1-U3-G2	3720 lm	136 lm/W	B1-U3-G2	3727 lm	132 lm/W	B1-U3-G2	28 W	75W MH
OWM-5L-U-CCTS	5202 lm	131 lm/W	B1-U3-G3	5294 lm	137 lm/W	B1-U3-G3	5237 lm	135 lm/W	B1-U3-G3	40 W	175W MH
OWL-5L/8L/10L-U-CCTS	10536 lm	131 lm/W	B2-U4-G4	10915 lm	137 lm/W	B2-U4-G4	10676 lm	134 lm/W	B2-U4-G4	80 W	320W MH
OWL-5L-U-CCTS	5320 lm	143 lm/W	B1-U3-G3	5442 lm	148 lm/W	B1-U3-G3	5500 lm	146 lm/W	B1-U3-G3	38 W	175W MH
OWL-8L-U-CCTS	7827 lm	140 lm/W	B2-U3-G3	8018 lm	146 lm/W	B2-U3-G3	8012 lm	141 lm/W	B2-U3-G3	57 W	250W MH
OWL-10L-U-CCTS	10536 lm	131 lm/W	B2-U4-G4	10915 lm	137 lm/W	B2-U4-G4	10676 lm	134 lm/W	B2-U4-G4	80 W	320W MH
OWL-10L/13L/16L-U-CCTS	15653 lm	132 lm/W	B3-U4-G5	16033 lm	137 lm/W	B3-U4-G5	15881 lm	134 lm/W	B3-U4-G5	119 W	400W MH
OWL-10L-U-CCTS	11282 lm	142 lm/W	B2-U4-G4	11428 lm	147 lm/W	B2-U4-G4	11538 lm	143 lm/W	B2-U4-G4	81 W	320W MH
OWL-13L-U-CCTS	13805 lm	138 lm/W	B3-U4-G5	14090 lm	144 lm/W	B3-U4-G5	14058 lm	138 lm/W	B3-U4-G5	102 W	360W MH
OWL-16L-U-CCTS	15653 lm	132 lm/W	B3-U4-G5	16033 lm	137 lm/W	B3-U4-G5	15881 lm	134 lm/W	B3-U4-G5	119 W	400W MH

[1]LED Chips are frequently updated therefore values are nominal
[2]Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
[3]Predictive Data, Subject to change per compliance testing completion

ELECTRICAL DATA (AMPS)

Lumen Package	Wattage	120V	208V	240V	277V	357V	480V
1L	9 W	0.08	0.04	0.04	0.03	0.03	0.02
2L	19 W	0.16	0.09	0.08	0.07	0.05	0.04
3L	27 W	0.24	0.14	0.12	0.11	0.08	0.06
4L	29 W	0.23	0.13	0.11	0.10	0.08	0.06
5L	39 W	0.32	0.19	0.16	0.14	0.11	0.08
5L	37 W	0.31	0.18	0.15	0.13	0.10	0.08
8L	55 W	0.46	0.26	0.23	0.20	0.15	0.11
10L	80 W	0.66	0.38	0.33	0.29	0.22	0.17
10L	78 W	0.65	0.37	0.32	0.28	0.22	0.16
13L	98 W	0.82	0.47	0.41	0.35	0.27	0.20
16L	117 W	0.98	0.56	0.49	0.42	0.33	0.24

- [1]Electrical data at 25C (77F). Actual wattage may differ by +/-10%. [2]Predictive Data, Subject to change per compliance testing completion

OPEN FACE WALL PACK - OWM/OWL

LED WALL PACK

SPECIFICATIONS

CONSTRUCTION

The OW Series Wall Packs feature a rugged die-cast aluminum housing available in 3 different sizes for a fully scalable solution. The fully gasketed housing is IP65 rated for whole luminaire ingress protection against moisture and environmental contaminants. The OW Series is protected with a durable bronze polyester powder coat finish to withstand extreme weather changes without cracking or peeling (Consult factory for availability of alternate finishes). Salt Spray tested for 500 hrs.

ELECTRICAL

Class 1 High-performance drivers features over-voltage, under-voltage, short circuit and over temperature protection. 0-10V dimming (10% - 100%) standard. Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (277-480 Vac). L70 >100,000 hrs. in accordance with IESNA TM-21-19 projected values at 25°C Ambient temperature. Total harmonic distortion: <20%. Power factor: >0.90. Input power stays constant over life. Minimum 6kV surge rating meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2). Additional protection is available in 10kV and 20kV options. Battery backup & cold weather battery options provide 90 minutes of constant power to the LED system, ensuring code compliance.

INSTALLATION

The OW Series Wall Pack is designed for effortless installation to standard 31/2" to 4" round/octagonal, 4" square, single gang, masonry junction boxes or vertical surface mounting (secured by lag bolts (supplied by others)). 1/2" NPT conduit entry points allow for surface-conduit or thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral CCT selector allows for CCT tuning at time of installation.

OPTICS

The isolated IP65 rated silicone gasket sealed optical chamber utilizes a tempered borosilicate prismatic glass lens to provide exceptional coverage in a T4 forward throw distribution. CCT selectable via an integral CCT selector switch (3000K, 4000K, & 5000K). Minimum CRI of 70. Optional Hood/Glare shield for semi-cutoff Type 4 distribution.

THERMAL

The OW Series features an array of High-efficacy mid-power LED's mounted on a metal core circuit board. The LED boards are mounted directly to the cast aluminum housing with heat dissipating fins to provide excellent thermal performance extending the life of electronic components. Operating Ambient Temperature: -40°C to +45°C (-40°F to 113°F). Operating temperature for standard battery backup: 0°C to +45°C (+32°F to +113°F), Cold Weather battery backup: -20°C to +45°C (-4°F to +113°F).

CONTROLS

Three 1/2" NPT apertures allow for field or factory installed 120-277V universal electronic photocell.

CERTIFICATIONS

ETL Listed for wet locations. Tested in accordance with IESNA LM-79 and LM-80 standards. RoHS Compliant. IP65 rated Luminaire per IEC 60598. IP65 rated optical chamber. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

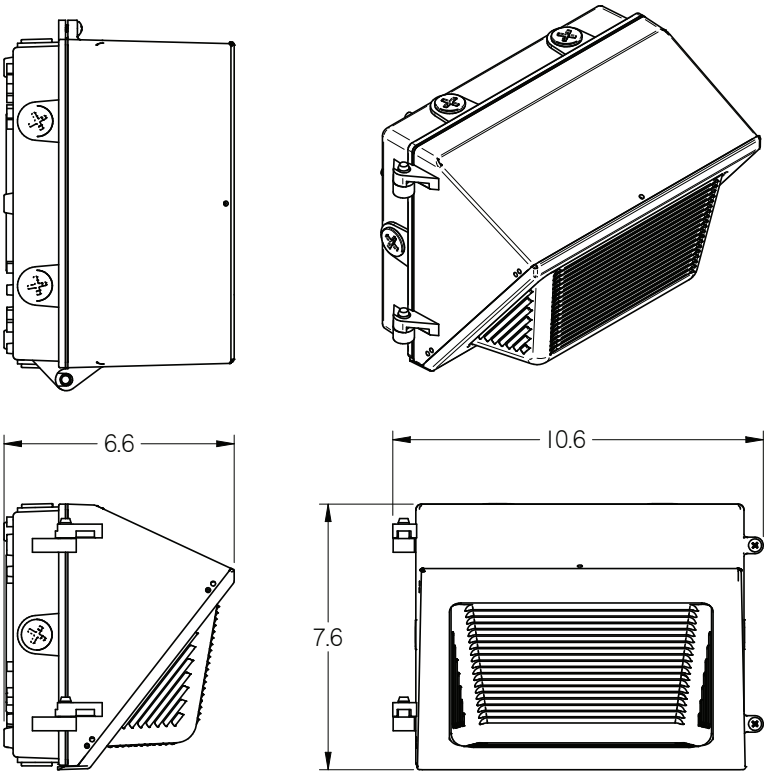
5 Year Warranty Standard; 10 Year Warranty Optional (Terms and Conditions apply).

OPEN FACE WALL PACK - OWM/OWL

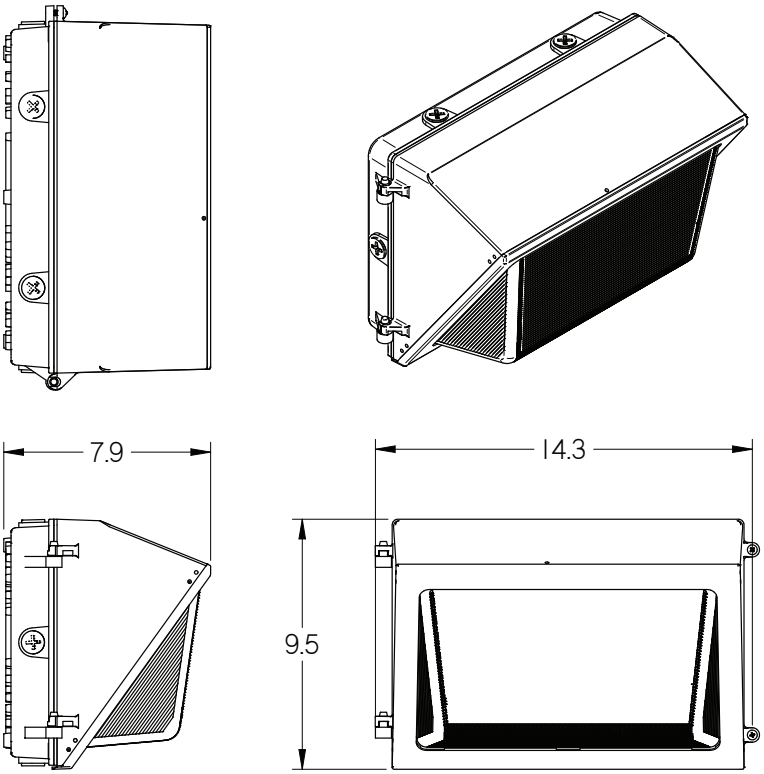
LED WALL PACK

LINE DRAWINGS

OWM



OWL



OPEN FACE WALL PACK - OWM/OWL

LED WALL PACK

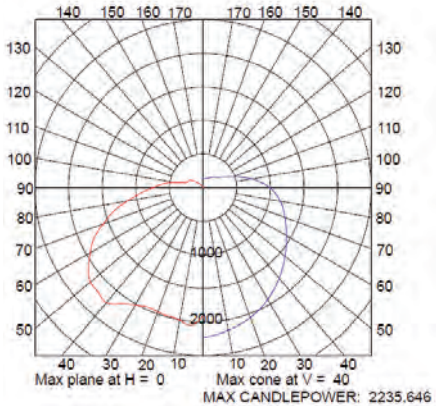
PHOTOMETRIC DATA

OWM-3L5L-U-CCTs-BRZ

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100%
EFFICIENCY (Down / Up):	91.7 % / 8.3 %
EFFICIENCY (Street / House):	84.4 % / 15.6 %
ROADWAY CLASSIFICATION:	TYPE IV, VERY SHORT
CUTOFF CLASSIFICATION:	NONCUTOFF
LUMENS/LAMPS:	5230.86
NO. OF LAMPS:	1
Width:	0.00 (Meters)
Length:	0.00
Height:	0.00
INPUT WATTS:	39.748

CANDELA PLOT



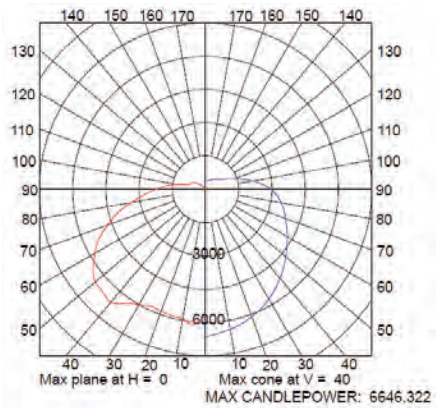
Photometric values based upon tests performed in compliance w/ LM-79. Download IES files at www.ilp-inc.com

OWL-10L13L16L-U-CCTs-BRZ

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100%
EFFICIENCY (Down / Up):	91.7 % / 8.3 %
EFFICIENCY (Street / House):	84.4 % / 15.6 %
ROADWAY CLASSIFICATION:	TYPE IV, VERY SHORT
CUTOFF CLASSIFICATION:	NONCUTOFF
LUMENS/LAMPS:	15546.79
NO. OF LAMPS:	1
Width:	0.00 (Meters)
Length:	0.00
Height:	0.00
INPUT WATTS:	118.62

CANDELA PLOT



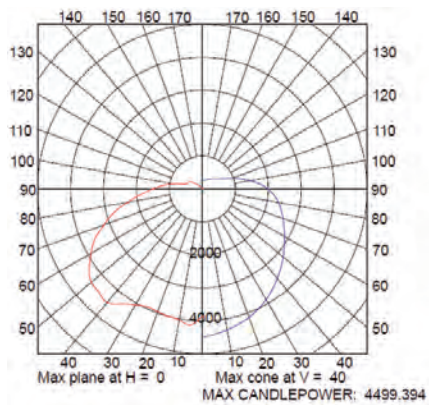
Photometric values based upon tests performed in compliance w/ LM-79. Download IES files at www.ilp-inc.com

OWL-5L8L10L-U-CCTs-BRZ

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100%
EFFICIENCY (Down / Up):	91.7 % / 8.3 %
EFFICIENCY (Street / House):	84.4 % / 15.6 %
ROADWAY CLASSIFICATION:	TYPE IV, VERY SHORT
CUTOFF CLASSIFICATION:	NONCUTOFF
LUMENS/LAMPS:	10527.47
NO. OF LAMPS:	1
Width:	0.00 (Meters)
Length:	0.00
Height:	0.00
INPUT WATTS:	80.16

CANDELA PLOT



Photometric values based upon tests performed in compliance w/ LM-79. Download IES files at www.ilp-inc.com

Photocontrol - NightFox™ Button Electronic Photocontrol, 120-277 V

Item EK4036S



PRODUCT DESCRIPTION

NightFox™ electronic photocontrols permanently install on outdoor electrical boxes, in-wall boxes or outdoor lighting fixtures. Ideal for LED fixtures with long-life expectations. Mounts internally to an enclosure with a minimum installation hole size of 5/8" diameter. Comes with 9" wire leads.

FEATURES

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- Conformal coated PCB
- 15-year design life
- Exceeds 10,000 ON/OFF switching cycles
- Fail ON mode
- Ideal for single or multi fixture HID and LED installations (up to 1,650 W @ 277 VAC)
- 255 J MOV surge protection element
- Mounts internally to enclosure
- Features 3/8" - 18 NPSM thread for a minimum installation hole size of 5/8 inch diameter

APPLICATIONS

- Outdoor Lighting Control

TECHNICAL DATA

General	
Model Number	EK4036S
Description	NightFox™ Button Electronic Photocontrol, 120-277 V
UPC Code	078275146280
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	8-Year limited
Usage Environments	Outdoor
Photocontrol Type	Electronic
Expected Lifetime (Years)	15
Expected Lifetime (Operations)	10000
Application Compatibilities	LED; Incandescent; HID
Photocontrol Style	Button
Photocontrol Sensor Location	Front

Control Specifications	
Sensor Time Delay	Instant ON; 2 sec to 5 sec OFF
Photocell Type	Silicon Diode
Photo Control Switch Type	Relay
Fail Mode	ON
Activation On	1.5 fc
Activation Off	4.5 fc

Dimensions

Product Height (in)	2 1/4
Product Height (mm)	57.2
Product Width (in)	1 5/16
Product Width (mm)	33.3
Product Depth (in)	1 1/4
Product Depth (mm)	31.8
Wire Lead Length (in)	9
Wire Lead Length (mm)	228.6
Wire Size Max	#18 AWG

Material Specifications	
Cover Color	Gray
Housing Material	Polycarbonate

Load Ratings	
Tungsten Range(s)	1000 W
Ballast Fluorescent Ranges	1800 VA
Electronic Ballast Load Ratings Ranges	6 A, 120-277 VAC, 50/60 Hz

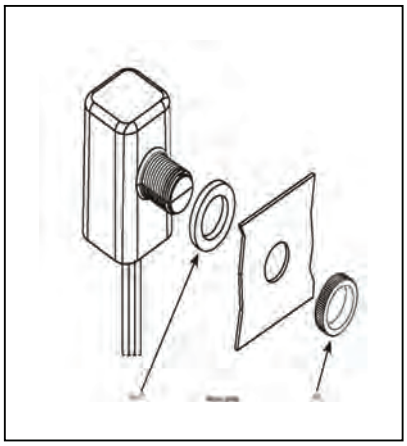
Electrical Specifications	
Wiring Option	Wire leads
Input Voltage Range(s)	120-277 VAC, 50/60 Hz
Surge Protection Technology	255 J MOV, 5,000 A Surge

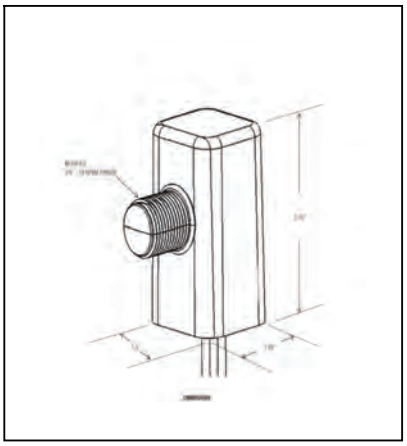
Packaging	
Shipping Weight (lbs)	0.196
Unit Carton Dimensions (H x W x D) in	4.875 x 3 x 1.75 in

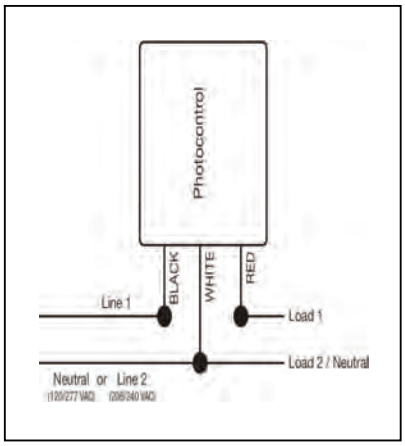
Environmental Specifications	
Temperature (operation)	-40°C..70°C

Standards and Certifications	
UL Certification	UL
CSA Certification	CSA
Other Certifications and Compatibilities	Title 20; Ansi C136.24
California Proposition 65	DEHP
RoHS Certification	Yes
PDF Standards And Certifications	UL; CSA; Title 20
Epi Certifications	UL; CSA; Title 20

DRAWINGS AND DIAGRAMS







ACCESSORIES



6LV1352

Light Shield Accessory for EK4036S, EK4436SM, K4000 Series Button Photocontrols



K43-WP-KIT

Wall Plate Kit for EK4036S, K4000 Series Button Photocontrols



LGLBL

Lens Sticker Accessory for EK4000 & K4000 Series Photocontrols

LOCATION	ROOF PATIO
PREPARED BY	
COMMENTS	
CATALOG NUMBER	SEW5182300L30MVTG-PC
QUANTITY	
FIXTURE TYPE	OD

State LED Outdoor Sconce
SEW Series

Features
This outdoor LED light is ideal for security and general lighting. Decorative metal accents. Provides lighting in indoor or outdoor residential, commercial, and hospitality applications. Meets ADA requirements. Fixture mounts to standard junction box (not included).

Construction
Aluminum housing. Standard mounting holes and hardware are included. Power supply connections must be made inside a junction box (not included).

Finish
Textured Grey or Textured Bronze powder coat finish.

Diffuser
Diffuser is .100" thick matte white acrylic.

Electrical
Input 120-277 VAC / 60 Hz.
Compatible with 0-10V dimmers.
Minimum starting temp -4° F/-20° C

LED
Integrated LED modules capable of producing:
19W =1500 source lumens, 766 delivered lumens
24W = 2300 source lumens, 1039 delivered lumens
3000K (CCT). Rated for 50,000 Hrs. 90 CRI.

Certification
All fixtures are cETLus listed for outdoor wet locations.
Title 24/JA8 Compliant

Option (Consult Factory)
Integrated dusk-to-dawn photocell, add -PC to the end of part number.

Warranty
Limited warranty: This fixture is free from defects in materials and workmanship for a period of 5 years from date-of-purchase.

Specifications and dimensions subject to change without notice.

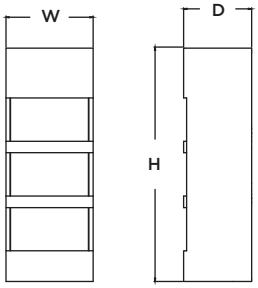


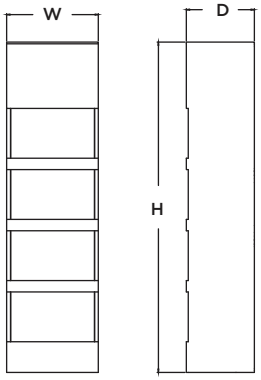
12"



17"

TEXTURED GRAY





Ordering Information:

Textured Grey	Textured Bronze	LED	Source Lumens	Delivered Lumens	CCT	H	W	D
SEW5121500L30MVTG	SEW5121500L30MVBZ	19W	1500	766	3000K	12"	4-1/2"	3-1/2"
SEW5182300L30MVTG	SEW5182300L30MVBZ	24W	2300	1039	3000K	17"	4-3/4"	3-1/2"

Project		**Catalog #**	PRV-P-C40-D-UNV-T2-SA-BK-HSS (HEAD) SSS4A20SYM1 / AB1 / TMP1 (POLE)	**Type**	OP1
Prepared by		**Notes**	SINGLE TYPE 2 POLE HEAD WITH HOUSE SIDE SHIELD	**Date**	



Lumark

Prevail LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Configurations page 4
- Product Specifications page 4
- Energy and Performance Data page 5
- Control Options page 6

Product Certifications

Quick Facts

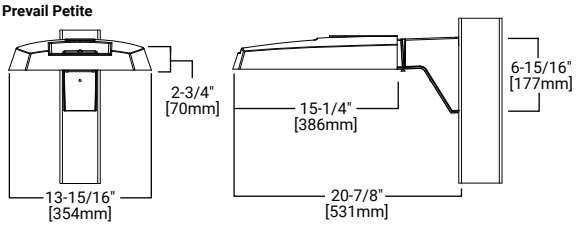
- Lumen packages range from 4,800 - 52,300 lumens (35W - 350W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Connected Systems

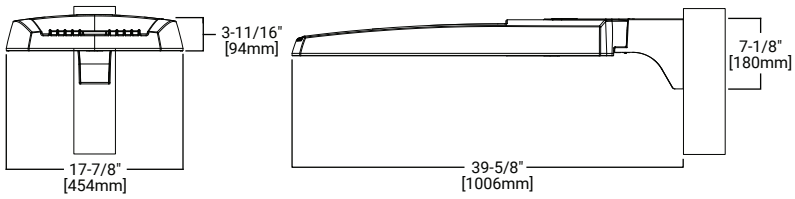
- WaveLinx

Dimensional Details

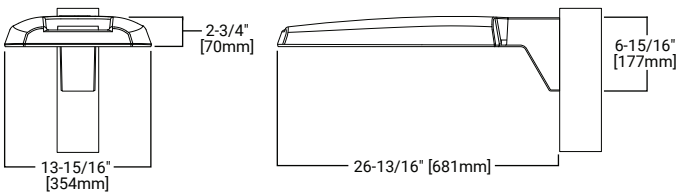
Prevail Petite



Prevail XL



Prevail



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-C75-D-UNV-T4-SA-BZ**

Product Family [1, 2]	Light Engine [4]	Driver	Voltage	Distribution	Mounting	Color
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Compliant [3]	**C10**=(1 LED) 4,900 Nominal Lumens **C15**=(1 LED) 6,900 Nominal Lumens **C20**=(1 LED) 9,800 Nominal Lumens **C25**=(1 LED) 11,800 Nominal Lumens	**D**=Dimming (0-10V)	**UNV**=Universal (120-277V) **347**=347V **480**=480V [5] **DV**=DuraVolt (277-480V) [5, 6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**SA**=Standard Versatile Arm **MA**=Mast Arm **WM**=Wall Mount Arm **ADJA**=Adjustable Arm - Pole Mount **ADJS**=Adjustable Arm - Slipfitter, 3in vertical tenon **ADJA-WM**=Adjustable Arm - Wall Mount	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Compliant [3] **TAA-PRV**=Prevail TAA Compliant [3]	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens					
PRV-XL=Prevail XL **BAA-PRV-XL**=Prevail XL BAA Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Compliant [3]	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens					

Options (Add as Suffix)

7030=70 CRI / 3000K CCT [7]
7050=70 CRI / 5000K CCT [7]
HSS=House Side Shield [8]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=Series 20kV UL 1449 Surge Protective Device
HA=50°C High Ambient Temperature [9]
CC=Coastal Construction [10]
PER=NEMA 3-PIN Twistlock Photocontrol Receptacle [11]
PER7=NEMA 7-PIN Twistlock Photocontrol R eceptacle [11]
MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [12, 13]
MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [12, 13]
MS/DIM-L40=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [12, 13]
SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [12, 14]
SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [12, 14]
SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [12, 14]
ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle [12]
ZD=SR Driver-enabled 4-PIN Twistlock Receptacle [12]
ZW-SWPD4XX=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 15, 16, 17]
ZW-SWPD5XX=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 15, 16, 17]
ZD-SWPD4XX=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 15, 16, 17]
ZD-SWPD5XX=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [18]
PRVXLMA-XX=Mast Arm Mounting Kit [18]
PRVXLWM-XX=Wall Mount Kit [18]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [18]
PRV-XL-ADJS-XX=Adjustable Arm - Slipfitter Kit [18]
PRV-XL-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [18]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 2-3/8" to 3"
PRV/COB-FDV=Full Drop Visor [23]
PRVXL/COB-FDV=Full Drop Visor [18]
HS/VERD=House Side Shield [8, 24]
VGS-F/B=Vertical Glare Shield, Front/Back [24]
VGS-SIDE=Vertical Glare Shield, Side [24]
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
SWPD4-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [15, 16, 17, 26]
SWPD5-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [15, 16, 17, 26]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [27]

NOTES:

1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for alll applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Standard 4000K CCT and 70CRI.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. Use dedicated IES files on product website for non-standard CCTs.
8. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package.
9. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package.
10. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply.
11. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
12. Controls system is not available in combination with a photocontrol receptacle (PER or PER7) or another controls system (MS, SPB, ZD, or ZW). Option not available with DuraVolt (DV) voltage option.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ, or BK).
18. Only available in PRV-XL configurations C75, C100, C125, C150, or C175.
19. Not available with 347V, 480V, DV, or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Only for use with PRV and PRV-P.
23. Only for use with PRV. Not available for use with PRV-P or PRV-XL configurations.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, or 6).
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 4-PIN twistlock receptacle (ZD or ZW) option.
27. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZD, ZW or LWR). Operates on 120-347V input voltages.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul		
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card	**V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**E**=Ethernet Networking

Stock Ordering Information

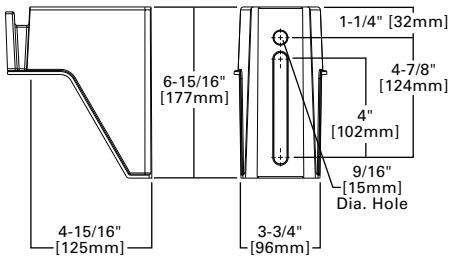
Product Family [1]	Light Engine	Voltage	Distribution
PRVS=Prevail	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens	**UNV**=Universal (120-277V) **347**=347V [2]	**T3**=Type III **T4**=Type IV
PRVS-XL=Prevail XL	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens		

NOTES:

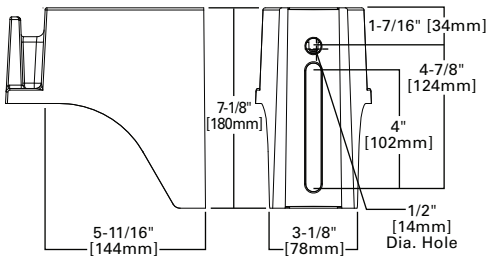
1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm.
2. Only available in PRVS configurations C15, C25, C40 or C60.

Mounting Details

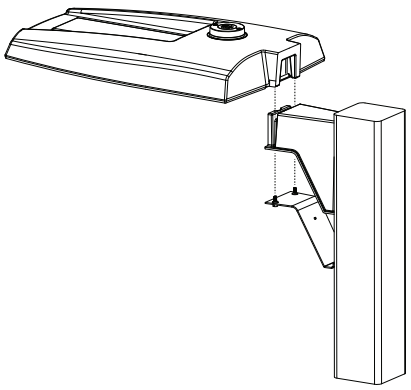
Pole Mount Arm (PRV & PRV-P)



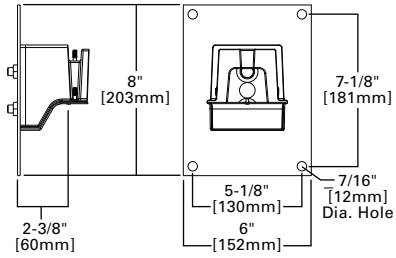
Pole Mount Arm (PRV-XL)



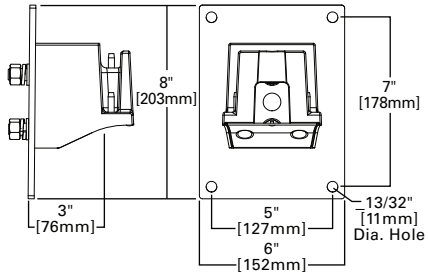
Versatile Mount System



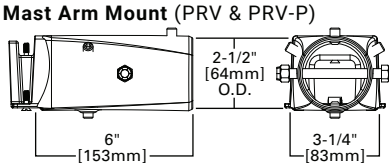
Wall Mount (PRV & PRV-P)



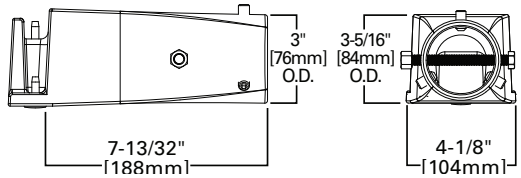
Wall Mount (PRV-XL)



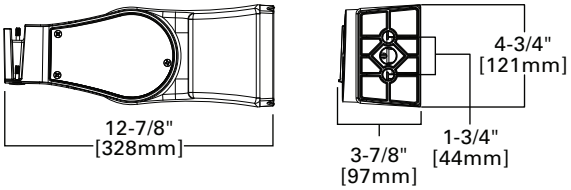
Mast Arm Mount (PRV & PRV-P)



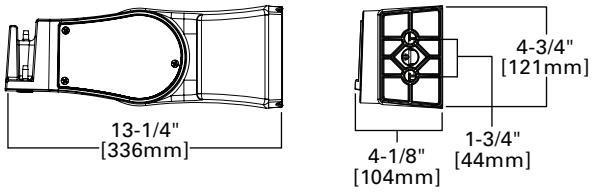
Mast Arm Mount (PRV-XL)



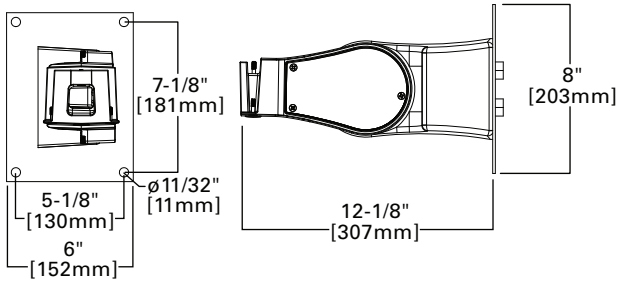
Adjustable Pole Mount Arm (PRV & PRV-P)



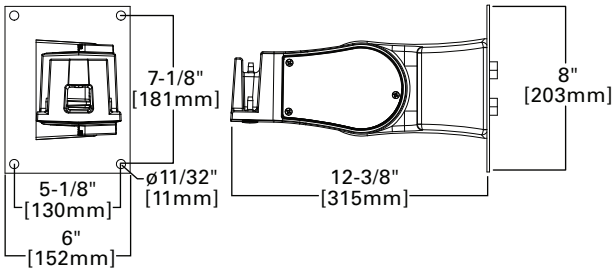
Adjustable Pole Mount Arm (PRV-XL)



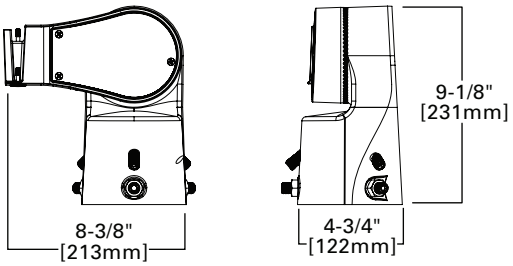
Adjustable Wall Mount (PRV & PRV-P)



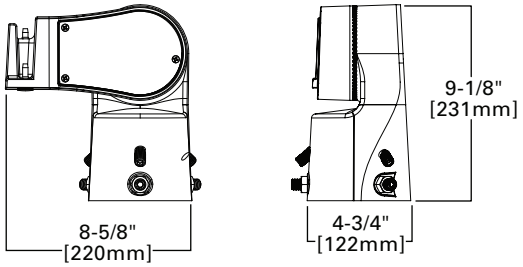
Adjustable Wall Mount (PRV-XL)



Adjustable Slipfitter (PRV & PRV-P)



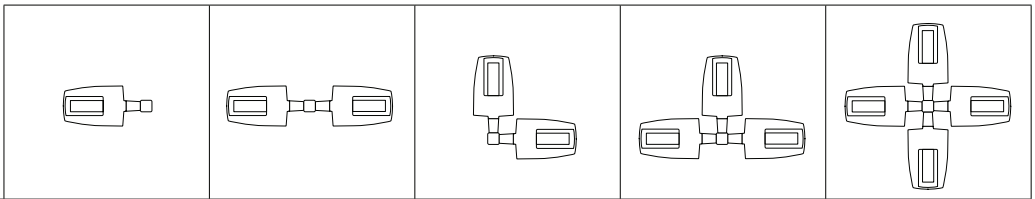
Adjustable Slipfitter (PRV-XL)



Mounting Details

Mounting Configurations and EPAs

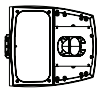
NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications.



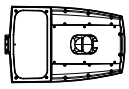
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49

Optical Configurations

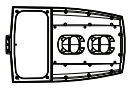
PRV-P-C10/C15/C20/C25 (4,900/6,900/9,800/11,800 Nominal Lumens)



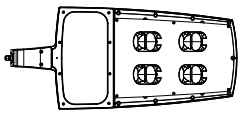
PRV-C15 (7,100 Nominal Lumens)



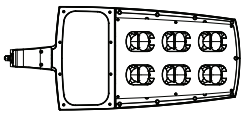
PRV-C25/C40/C60 (13,100/17,100/20,000 Nominal Lumens)



PRV-XL-C75/C100/C125 (26,100/31,000/36,300 Nominal Lumens)

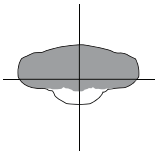


PRV-XL-C150/C175 (41,100/48,600 Nominal Lumens)

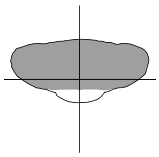


Optical Distributions

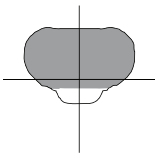
T2 (Type II)



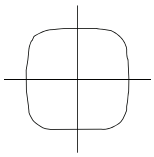
T3 (Type III)



T4 (Type IV)



T5 (Type V)



= Distribution with House Side Shield (HSS)

= Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Adjustable Arms: 1.5G vibration rated
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Power and Lumens

Product Family		Prevail Petite				Prevail				Prevail XL				
Light Engine		C10	C15	C20	C25	C15	C25	C40	C60	C75	C100	C125	C150	C175
Power (Watts)		35	49	73	94	52	96	131	153	176	217	264	285	346
Input Current @ 120V (A)		0.29	0.41	0.61	0.79	0.43	0.80	1.09	1.32	1.50	1.84	2.21	2.38	2.92
Input Current @ 277V (A)		0.13	0.18	0.27	0.35	0.19	0.35	0.48	0.57	0.66	0.82	0.97	1.04	1.25
Input Current @ 347V (A)		0.11	0.16	0.23	0.29	0.17	0.30	0.41	0.48	0.54	0.66	0.79	0.84	1.02
Input Current @ 480V (A)		0.08	0.12	0.17	0.22	0.12	0.22	0.30	0.35	0.40	0.48	0.57	0.62	0.74
Distribution [1]														
Type II	4000K Lumens	4,775	6,717	9,542	11,521	7,123	13,205	17,172	20,083	26,263	31,231	36,503	41,349	48,876
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	138	137	131	122	137	138	131	131	149	144	138	145	141
	3000K Lumens [1]	4,869	6,595	9,369	11,312	6,994	12,965	16,860	19,718	25,786	30,664	35,840	40,598	47,989
Type III	4000K Lumens	4,782	6,727	9,556	11,538	7,111	13,183	17,144	20,050	26,120	31,061	36,304	41,124	48,610
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	138	137	131	123	137	137	131	131	148	143	138	144	140
	3000K Lumens [1]	4,695	6,605	9,383	11,329	6,982	12,944	16,832	19,686	25,646	30,497	35,645	40,377	47,727
Type IV	4000K Lumens	4,880	6,865	9,752	11,774	7,088	13,140	17,087	19,984	26,098	31,035	36,274	41,089	48,569
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	141	140	134	125	136	137	130	131	148	143	137	144	140
	3000K Lumens [1]	4,792	6,740	9,575	11,561	6,959	12,901	16,777	19,621	25,624	30,471	35,615	40,343	47,687
Type V	4000K Lumens	5,067	7,128	10,126	12,226	7,576	14,045	18,264	21,360	28,129	33,450	39,097	44,287	52,349
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	145	139	130	146	146	139	140	160	154	148	155	151
	3000K Lumens [1]	4,975	6,999	9,942	12,004	7,438	13,790	17,932	20,972	27,618	32,843	38,387	43,483	51,398

NOTES:
1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Prevail and Prevail Petite at 25°C	91.30%	> 194,000
Prevail and Prevail Petite at 40°C	87.59%	> 134,000
Prevail XL at 25°C	91.40%	> 204,000
Prevail XL at 40°C	89.41%	> 158,000

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

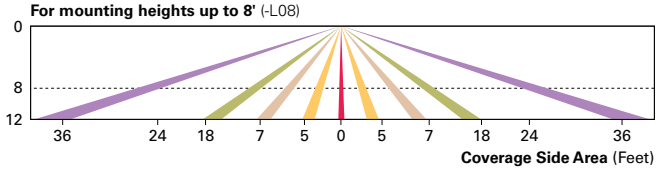
Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

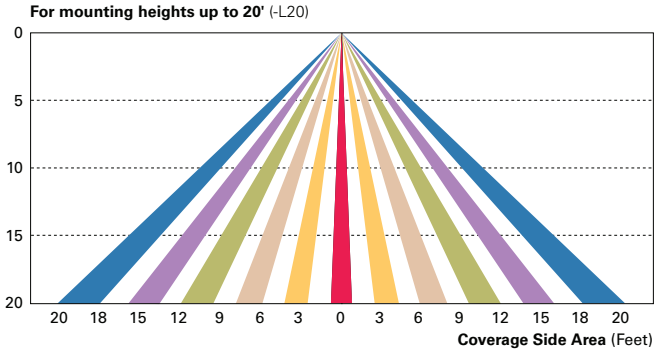
Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PER7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

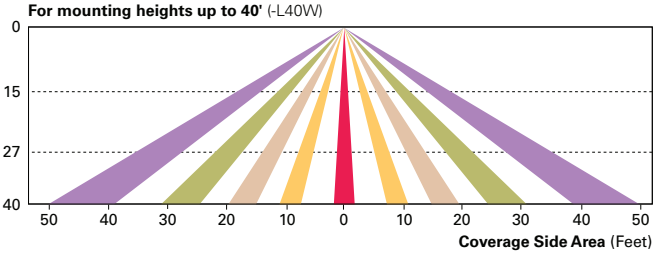
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

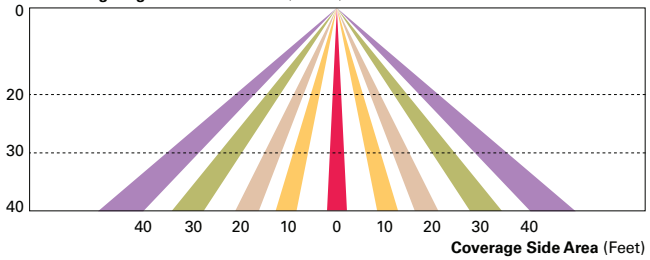


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (SWPD)



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

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Specifications and dimensions subject to change without notice.



SSS SQUARE STRAIGHT STEEL

Catalog #	SSS4A20SYM1	Type
	20' POLE	OP1 POLE
	BLACK FINISH	Date
	AB1 / TMP1 (BOLTS)	

FEATURES
- ASTM Grade steel base plate with ASTM A366 base cover
- Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole
- 10'-39' mounting heights
- Drilled or tenon (specify)

DESIGN CONSIDERATIONS - VIBRATIONS AND NON-GROUND MOUNTED INSTALLATIONS

The information contained herein is for general guidance only and is not a replacement for professional judgment. Design considerations for wind-induced vibrations and non-ground mounted installations (e.g., installations on bridges or buildings) are not included in this document. Consult with a professional, and local and federal standards, before ordering to ensure product is appropriate for the intended purpose and installation location. Refer to the Cooper Lighting Solutions Light Pole White Paper for risk factors and design considerations. Learn more.

NOTE: The Limited Warranty for this product specifically excludes fatigue failure or similar damage resulting from vibration, harmonic oscillation or resonance.

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutinos or visit www.cooperlighting.com for available options, accessories and ordering information.

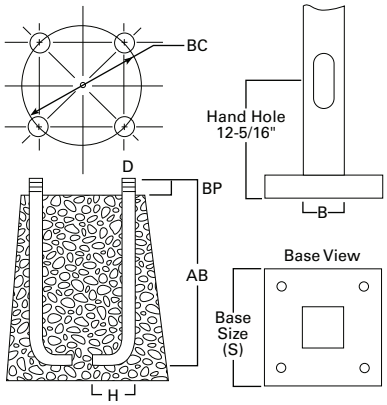
ORDERING INFORMATION

SAMPLE NUMBER: SSA5A20SFM1XG

Product Family	Shaft Size (Inches)[1]	Wall Thickness (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Arm Lengths (Feet)	Options (Add as Suffix)
SSS=Square Straight Steel	**4**=4" **5**=5" **6**=6"	**A**=0.120" **M**=0.188" **X**=0.250"	**10**=10' **15**=15' **20**=20' **25**=25' **30**=30' **35**=35' **39**=39'	**S**=Square Steel Base	**F**=Dark Bronze **G**=Galvanized Steel **J**=Summit White **K**=Carbon Bronze **L**=Dark Platinum **R**=Hartford Green **S**=Silver **T**=Graphite Metallic **V**=Grey **W**=White **X**=Custom Color **Y**=Black	**2**=2-3/8" O.D. Tenon (4" Long) **3**=3-1/2" O.D. Tenon (5" Long) **4**=4" O.D. Tenon (6" Long) **9**=3" O.D. Tenon (4" Long) **6**=2-3/8" O.D. Tenon (6" Long) **7**=4" O.D. Tenon (10" Long) **A**=Type A Drilling **C**=Type C Drilling **E**=Type E Drilling **F**=Type F Drilling **G**=Type G Drilling **J**=Type J Drilling **K**=Type K Drilling **M**=Type M Drilling **N**=Type N Drilling **R**=Type R Drilling **S**=Standard Upsweep Arm[6] **Z**=Type Z Drilling	**1**=Single **2**=2 at 180° **3**=Triple[2] **4**=4 at 90° **5**=2 at 90° **X**=None	**X**=None **2**=2' **3**=2.5' **4**=4' **6**=6' **8**=8'	**A**=1/2" Tapped Hub[3] **B**=3/4" Tapped Hub[3] **C**=Convenience Outlet[4] **E**=GFCI Convenience Outlet[4] **G**=Ground Lug **H**=Additional Hand Hole[5] **V**=Vibration Dampener

NOTES: 1. All shaft sizes nominal. **2.** Square poles are 3 at 90°, round poles are 3 at 120°. **3.** Tapped Hub is located 5' below the pole top and on the same side of pole as hand hole, unless specified otherwise. **4.** Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only. **5.** Additional hand hole is located 12" below pole top and 90° from standard hand hole location, unless otherwise specified. **6.** Arm must be ordered separately.

ANCHORAGE DATA



See technical information.

Pole	Template Number	Bolt Number	Bolt Circle (inches)	Number of Bolts	Bolt Size (inches)
SSS4	TMP1	AB1	8.5 - 11.0	4	3/4 x 25 x 3
SSS5	TMP1	AB1	11.0	4	3/4 x 25 x 3
SSS6	TMP2	AB3	12.5	4	1 x 36 x 4

EFFECTIVE PROJECTED AREA (At Pole Top)

Mounting Height (Feet)	Catalog Number [1,2]	Wall Thickness (Inches)	Base Square [3] (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection [3] (Inches)	Shaft Size [3] (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) [4]				Max. Fixture Load - Includes Bracket (Pounds)
MH			S	BC	BP	B	D x AB x H		80 mph	90 mph	100 mph	110 mph	
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	30.0	22.0	17.0	13.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	15.0	11.5	8.7	6.5	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	8.7	5.9	3.9	2.5	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	15.4	11.1	7.9	5.5	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.7	1.7	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	9.3	6.0	3.5	1.6	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.9	6.1	3.5	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	4.7	2.1	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	10.4	6.4	3.5	1.5	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.3	1.4	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	19.0	13.0	8.7	5.6	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.8	2.8	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	12.8	7.2	3.7	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.5	11.0	6.8	3.5	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.3	3.0	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	13.0	7.0	3.7	0.8	300

EFFECTIVE PROJECTED AREA (Two Feet Above Pole Top)

Mounting Height (Feet)	Catalog Number [1,2]	Wall Thickness (Inches)	Base Square [3] (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection [3] (Inches)	Shaft Size [3] (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) [4]				Max. Fixture Load - Includes Bracket (Pounds)
MH			S	BC	BP	B	D x AB x H		80 mph	90 mph	100 mph	110 mph	
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	23.0	17.5	14.0	11.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	13.4	10.0	7.5	5.7	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	7.6	5.2	3.4	2.1	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	13.8	9.9	7.1	4.9	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.4	1.6	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	8.5	5.5	3.2	1.5	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.1	5.6	3.0	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	1.8	--	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	9.6	5.9	1.9	0.2	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.1	1.3	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	18.5	12.5	8.4	5.3	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.5	2.4	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	11.8	7.0	3.5	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.0	10.5	6.4	3.4	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.0	2.4	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	12.0	6.7	3.0	0.5	300

NOTES:

1. Catalog number includes pole with hardware kit. Anchor bolts not included. Before installing, make sure proper anchor bolts and templates are obtained.
2. Tenon size or machining for rectangular arms must be specified. Hand hole position relative to drill location.
3. Shaft size, base square, anchor bolts and projections may vary slightly. All dimensions nominal.
4. EPAs based on shaft properties with wind normal to flat. EPAs calculated using base wind velocity as indicated plus 30% gust factor.

VIBRATION

Vibrations may cause damage to structures, including poles. Vibrations are unpredictable, and there are many factors and variables that can cause damaging vibrations. Many wind conditions exist that can create damaging vibrations to poles and luminaires, such as constant winds between 10-30 mph. Although all pole types can experience vibration, straight square poles seem to be most prone. Vibration dampers and/or a round tapered design may be used to mitigate damage from vibrations, but there is no guarantee damaging vibrations will be prevented. Vibration dampers are not included with this pole but can be ordered separately. Consult with a professional, and local and federal standards, to ensure this pole is appropriate for the intended purpose and installation location. Refer to Cooper Lighting Solutions' Light Pole White Paper for risk factors and design considerations.

MAINTENANCE

Perform inspections periodically. A prudent inspection schedule would be: one week after installation, one month after installation, yearly after installation, and following any major wind event. During the inspection, check the poles for cracks. If cracks are detected, remedial action is required. Recheck anchor bolt torques and re-tighten according to the recommended torque values. Check for missing covers and pole caps and replace as necessary. Check the pole for corrosion and deterioration of the finish. Should there be corrosion or deterioration, take remedial action to correct.

WARNING: Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to pole white paper WP513001EN for additional support information. Before installing, make sure proper anchor bolts and templates are obtained. The use of unauthorized accessories such as banners, signs, cameras or pennants for which the pole was not designed voids the pole warranty and may result in pole failure causing serious injury or property damage. Information regarding total loading capacity can be supplied upon request. The pole warranty is void unless poles are used and installed as a complete pole and luminaire combination. This warranty specifically excludes failure as the result of a third party act or omission, misuse, unanticipated uses, fatigue failure or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutions or visit www.cooperlighting.com for available options, accessories and ordering information.

Project		**Catalog #**	PRV-P-C40-D-UNV-T3-SA-BK-HSS (HEAD) SSS4A20SYM1 / AB1 / TMP1 (POLE)	**Type**	OP3
Prepared by		**Notes**	SINGLE TYPE 3 POLE HEAD WITH HOUSE SIDE SHIELD	**Date**	



Lumark

Prevail LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Configurations page 4
- Product Specifications page 4
- Energy and Performance Data page 5
- Control Options page 6

Product Certifications

Quick Facts

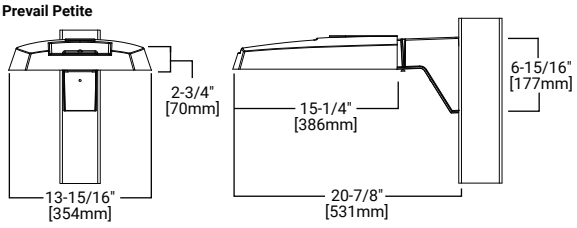
- Lumen packages range from 4,800 - 52,300 lumens (35W - 350W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Connected Systems

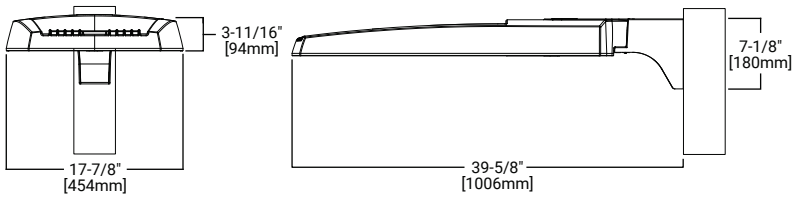
- WaveLinx

Dimensional Details

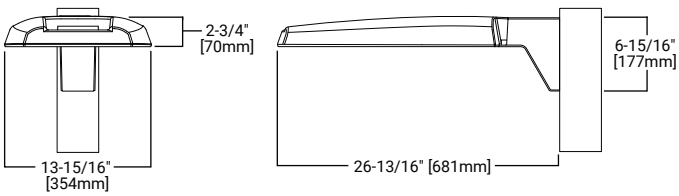
Prevail Petite



Prevail XL



Prevail



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-C75-D-UNV-T4-SA-BZ**

Product Family [1, 2]	Light Engine [4]	Driver	Voltage	Distribution	Mounting	Color
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Compliant [3]	**C10**=(1 LED) 4,900 Nominal Lumens **C15**=(1 LED) 6,900 Nominal Lumens **C20**=(1 LED) 9,800 Nominal Lumens **C25**=(1 LED) 11,800 Nominal Lumens	**D**=Dimming (0-10V)	**UNV**=Universal (120-277V) **347**=347V **480**=480V [5] **DV**=DuraVolt (277-480V) [5, 6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**SA**=Standard Versatile Arm **MA**=Mast Arm **WM**=Wall Mount Arm **ADJA**=Adjustable Arm - Pole Mount **ADJS**=Adjustable Arm - Slipfitter, 3in vertical tenon **ADJA-WM**=Adjustable Arm - Wall Mount	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Compliant [3] **TAA-PRV**=Prevail TAA Compliant [3]	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens					
PRV-XL=Prevail XL **BAA-PRV-XL**=Prevail XL BAA Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Compliant [3]	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens					

Options (Add as Suffix)

7030=70 CRI / 3000K CCT [7]
7050=70 CRI / 5000K CCT [7]
HSS=House Side Shield [8]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=Series 20kV UL 1449 Surge Protective Device
HA=50°C High Ambient Temperature [9]
CC=Coastal Construction [10]
PER=NEMA 3-PIN Twistlock Photocontrol Receptacle [11]
PER7=NEMA 7-PIN Twistlock Photocontrol R eceptacle [11]
MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [12, 13]
MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [12, 13]
MS/DIM-L40=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [12, 13]
SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [12, 14]
SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [12, 14]
SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [12, 14]
ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle [12]
ZD=SR Driver-enabled 4-PIN Twistlock Receptacle [12]
ZW-SWPD4XX=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 15, 16, 17]
ZW-SWPD5XX=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 15, 16, 17]
ZD-SWPD4XX=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 15, 16, 17]
ZD-SWPD5XX=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [18]
PRVXLMA-XX=Mast Arm Mounting Kit [18]
PRVXLWM-XX=Wall Mount Kit [18]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [18]
PRV-XL-ADJS-XX=Adjustable Arm - Slipfitter Kit [18]
PRV-XL-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [18]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 2-3/8" to 3"
PRV/COB-FDV=Full Drop Visor [23]
PRVXL/COB-FDV=Full Drop Visor [18]
HS/VERD=House Side Shield [8, 24]
VGS-F/B=Vertical Glare Shield, Front/Back [24]
VGS-SIDE=Vertical Glare Shield, Side [24]
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
SWPD4-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [15, 16, 17, 26]
SWPD5-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [15, 16, 17, 26]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [27]

NOTES:

1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for alll applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Standard 4000K CCT and 70CRI.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. Use dedicated IES files on product website for non-standard CCTs.
8. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package.
9. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package.
10. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply.
11. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
12. Controls system is not available in combination with a photocontrol receptacle (PER or PER7) or another controls system (MS, SPB, ZD, or ZW). Option not available with DuraVolt (DV) voltage option.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ, or BK).
18. Only available in PRV-XL configurations C75, C100, C125, C150, or C175.
19. Not available with 347V, 480V, DV, or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Only for use with PRV and PRV-P.
23. Only for use with PRV. Not available for use with PRV-P or PRV-XL configurations.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, or 6).
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 4-PIN twistlock receptacle (ZD or ZW) option.
27. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZD, ZW or LWR). Operates on 120-347V input voltages.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul		
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card	**V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**E**=Ethernet Networking

Stock Ordering Information

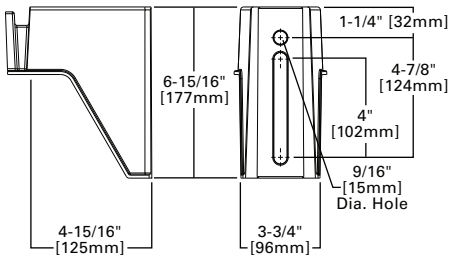
Product Family [1]	Light Engine	Voltage	Distribution
PRVS=Prevail	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens	**UNV**=Universal (120-277V) **347**=347V [2]	**T3**=Type III **T4**=Type IV
PRVS-XL=Prevail XL	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens		

NOTES:

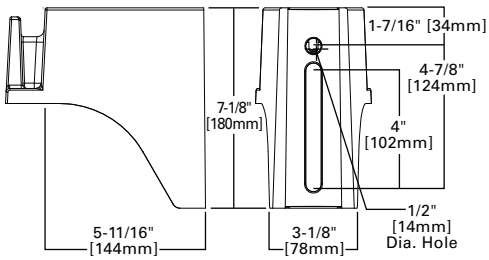
1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm.
2. Only available in PRVS configurations C15, C25, C40 or C60.

Mounting Details

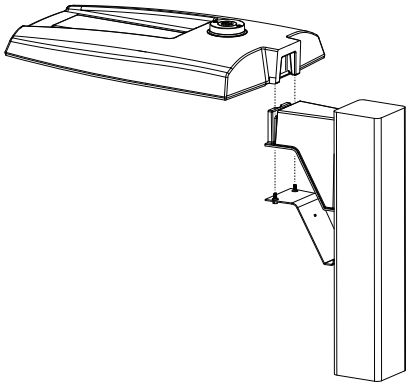
Pole Mount Arm (PRV & PRV-P)



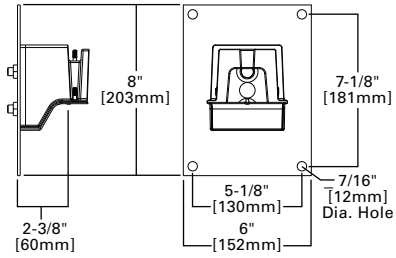
Pole Mount Arm (PRV-XL)



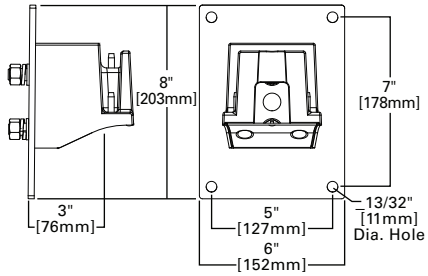
Versatile Mount System



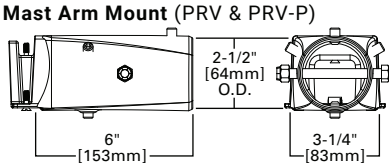
Wall Mount (PRV & PRV-P)



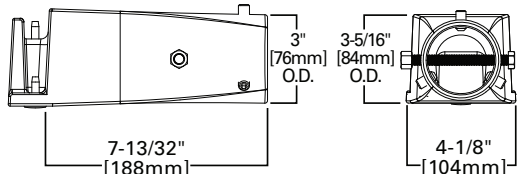
Wall Mount (PRV-XL)



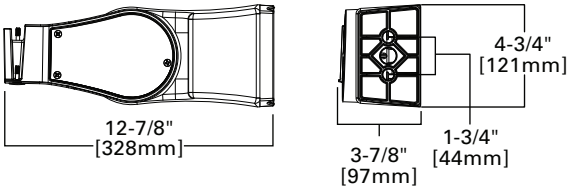
Mast Arm Mount (PRV & PRV-P)



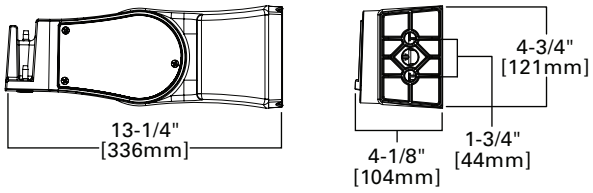
Mast Arm Mount (PRV-XL)



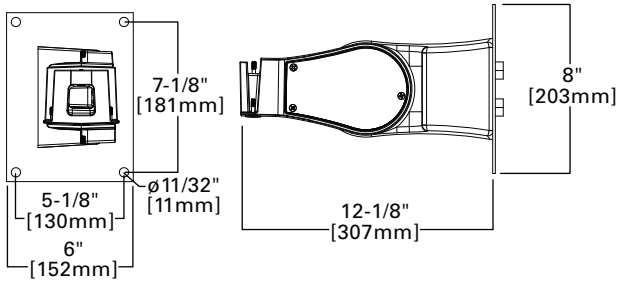
Adjustable Pole Mount Arm (PRV & PRV-P)



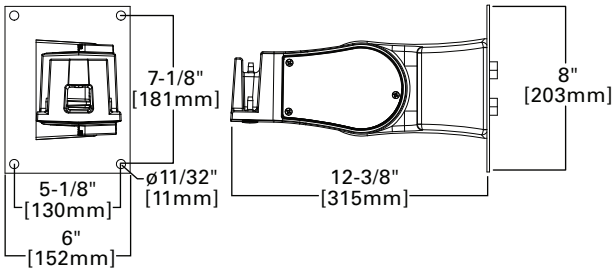
Adjustable Pole Mount Arm (PRV-XL)



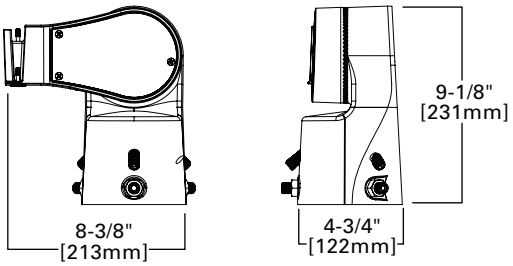
Adjustable Wall Mount (PRV & PRV-P)



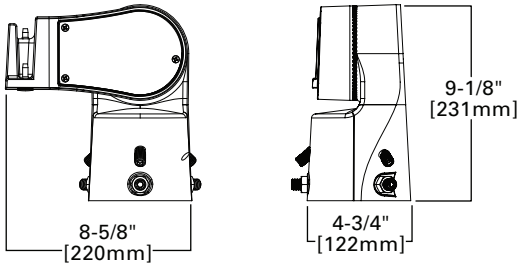
Adjustable Wall Mount (PRV-XL)



Adjustable Slipfitter (PRV & PRV-P)



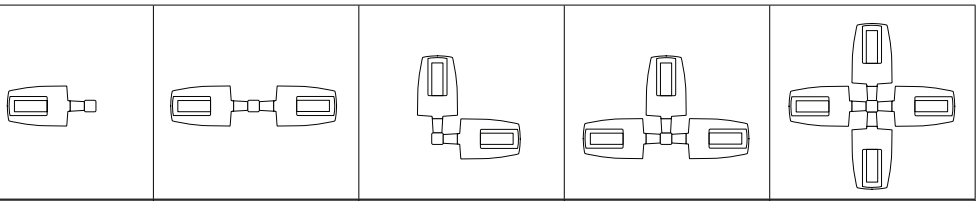
Adjustable Slipfitter (PRV-XL)



Mounting Details

Mounting Configurations and EPAs

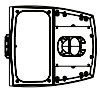
NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications.



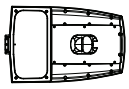
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49

Optical Configurations

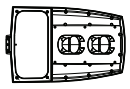
PRV-P-C10/C15/C20/C25 (4,900/6,900/9,800/11,800 Nominal Lumens)



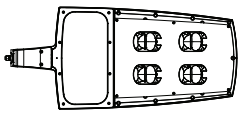
PRV-C15 (7,100 Nominal Lumens)



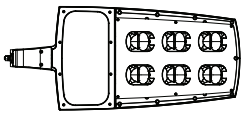
PRV-C25/C40/C60 (13,100/17,100/20,000 Nominal Lumens)



PRV-XL-C75/C100/C125 (26,100/31,000/36,300 Nominal Lumens)

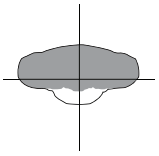


PRV-XL-C150/C175 (41,100/48,600 Nominal Lumens)

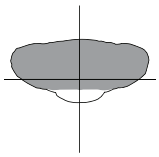


Optical Distributions

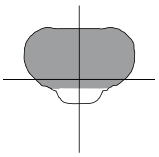
T2 (Type II)



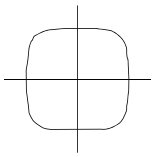
T3 (Type III)



T4 (Type IV)



T5 (Type V)



= Distribution with House Side Shield (HSS)

= Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Adjustable Arms: 1.5G vibration rated
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Power and Lumens

Product Family		Prevail Petite				Prevail				Prevail XL				
Light Engine		C10	C15	C20	C25	C15	C25	C40	C60	C75	C100	C125	C150	C175
Power (Watts)		35	49	73	94	52	96	131	153	176	217	264	285	346
Input Current @ 120V (A)		0.29	0.41	0.61	0.79	0.43	0.80	1.09	1.32	1.50	1.84	2.21	2.38	2.92
Input Current @ 277V (A)		0.13	0.18	0.27	0.35	0.19	0.35	0.48	0.57	0.66	0.82	0.97	1.04	1.25
Input Current @ 347V (A)		0.11	0.16	0.23	0.29	0.17	0.30	0.41	0.48	0.54	0.66	0.79	0.84	1.02
Input Current @ 480V (A)		0.08	0.12	0.17	0.22	0.12	0.22	0.30	0.35	0.40	0.48	0.57	0.62	0.74
Distribution [1]														
Type II	4000K Lumens	4,775	6,717	9,542	11,521	7,123	13,205	17,172	20,083	26,263	31,231	36,503	41,349	48,876
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	138	137	131	122	137	138	131	131	149	144	138	145	141
	3000K Lumens [1]	4,869	6,595	9,369	11,312	6,994	12,965	16,860	19,718	25,786	30,664	35,840	40,598	47,989
Type III	4000K Lumens	4,782	6,727	9,556	11,538	7,111	13,183	17,144	20,050	26,120	31,061	36,304	41,124	48,610
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	138	137	131	123	137	137	131	131	148	143	138	144	140
	3000K Lumens [1]	4,695	6,605	9,383	11,329	6,982	12,944	16,832	19,686	25,646	30,497	35,645	40,377	47,727
Type IV	4000K Lumens	4,880	6,865	9,752	11,774	7,088	13,140	17,087	19,984	26,098	31,035	36,274	41,089	48,569
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	141	140	134	125	136	137	130	131	148	143	137	144	140
	3000K Lumens [1]	4,792	6,740	9,575	11,561	6,959	12,901	16,777	19,621	25,624	30,471	35,615	40,343	47,687
Type V	4000K Lumens	5,067	7,128	10,126	12,226	7,576	14,045	18,264	21,360	28,129	33,450	39,097	44,287	52,349
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	145	139	130	146	146	139	140	160	154	148	155	151
	3000K Lumens [1]	4,975	6,999	9,942	12,004	7,438	13,790	17,932	20,972	27,618	32,843	38,387	43,483	51,398

NOTES:
1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Prevail and Prevail Petite at 25°C	91.30%	> 194,000
Prevail and Prevail Petite at 40°C	87.59%	> 134,000
Prevail XL at 25°C	91.40%	> 204,000
Prevail XL at 40°C	89.41%	> 158,000

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

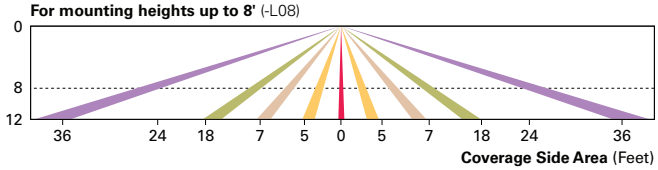
Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

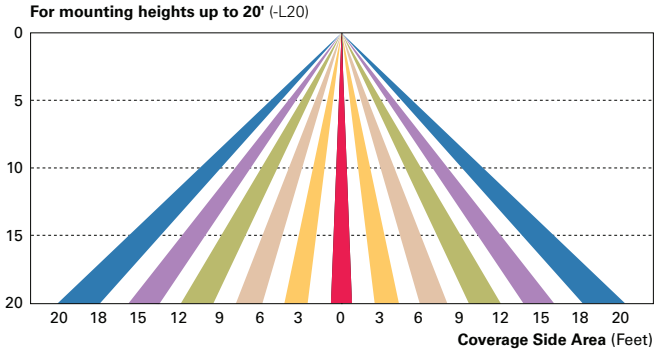
Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PER7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

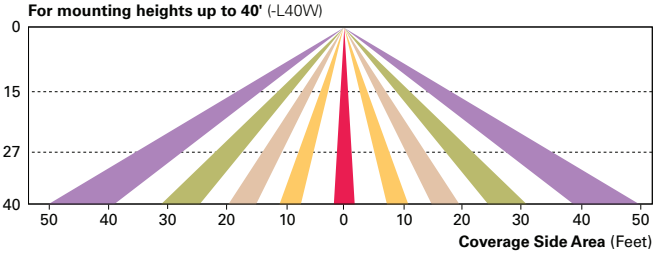
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

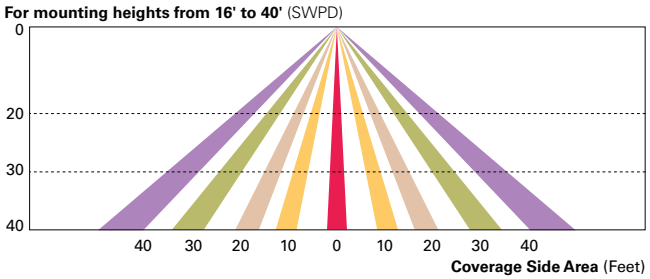


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (SWPD)



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

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Specifications and dimensions subject to change without notice.



SSS SQUARE STRAIGHT STEEL

Catalog #	SSS4A20SYM1	Type
	20' POLE	OP1 POLE
	BLACK FINISH	Date
	AB1 / TMP1 (BOLTS)	

FEATURES
- ASTM Grade steel base plate with ASTM A366 base cover
- Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole
- 10'-39' mounting heights
- Drilled or tenon (specify)

DESIGN CONSIDERATIONS - VIBRATIONS AND NON-GROUND MOUNTED INSTALLATIONS

The information contained herein is for general guidance only and is not a replacement for professional judgment. Design considerations for wind-induced vibrations and non-ground mounted installations (e.g., installations on bridges or buildings) are not included in this document. Consult with a professional, and local and federal standards, before ordering to ensure product is appropriate for the intended purpose and installation location. Refer to the Cooper Lighting Solutions Light Pole White Paper for risk factors and design considerations. Learn more.

NOTE: The Limited Warranty for this product specifically excludes fatigue failure or similar damage resulting from vibration, harmonic oscillation or resonance.

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutinos or visit www.cooperlighting.com for available options, accessories and ordering information.

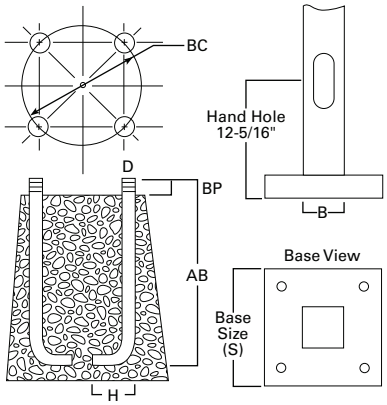
ORDERING INFORMATION

SAMPLE NUMBER: SSA5A20SFM1XG

Product Family	Shaft Size (Inches)[1]	Wall Thickness (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Arm Lengths (Feet)	Options (Add as Suffix)
SSS=Square Straight Steel	**4**=4" **5**=5" **6**=6"	**A**=0.120" **M**=0.188" **X**=0.250"	**10**=10' **15**=15' **20**=20' **25**=25' **30**=30' **35**=35' **39**=39'	**S**=Square Steel Base	**F**=Dark Bronze **G**=Galvanized Steel **J**=Summit White **K**=Carbon Bronze **L**=Dark Platinum **R**=Hartford Green **S**=Silver **T**=Graphite Metallic **V**=Grey **W**=White **X**=Custom Color **Y**=Black	**2**=2-3/8" O.D. Tenon (4" Long) **3**=3-1/2" O.D. Tenon (5" Long) **4**=4" O.D. Tenon (6" Long) **9**=3" O.D. Tenon (4" Long) **6**=2-3/8" O.D. Tenon (6" Long) **7**=4" O.D. Tenon (10" Long) **A**=Type A Drilling **C**=Type C Drilling **E**=Type E Drilling **F**=Type F Drilling **G**=Type G Drilling **J**=Type J Drilling **K**=Type K Drilling **M**=Type M Drilling **N**=Type N Drilling **R**=Type R Drilling **S**=Standard Upsweep Arm[6] **Z**=Type Z Drilling	**1**=Single **2**=2 at 180° **3**=Triple[2] **4**=4 at 90° **5**=2 at 90° **X**=None	**X**=None **2**=2' **3**=2.5' **4**=4' **6**=6' **8**=8'	**A**=1/2" Tapped Hub[3] **B**=3/4" Tapped Hub[3] **C**=Convenience Outlet[4] **E**=GFCI Convenience Outlet[4] **G**=Ground Lug **H**=Additional Hand Hole[5] **V**=Vibration Dampener

NOTES: 1. All shaft sizes nominal. **2.** Square poles are 3 at 90°, round poles are 3 at 120°. **3.** Tapped Hub is located 5' below the pole top and on the same side of pole as hand hole, unless specified otherwise. **4.** Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only. **5.** Additional hand hole is located 12" below pole top and 90° from standard hand hole location, unless otherwise specified. **6.** Arm must be ordered separately.

ANCHORAGE DATA



See technical information.

Pole	Template Number	Bolt Number	Bolt Circle (inches)	Number of Bolts	Bolt Size (inches)
SSS4	TMP1	AB1	8.5 - 11.0	4	3/4 x 25 x 3
SSS5	TMP1	AB1	11.0	4	3/4 x 25 x 3
SSS6	TMP2	AB3	12.5	4	1 x 36 x 4

EFFECTIVE PROJECTED AREA (At Pole Top)

Mounting Height (Feet)	Catalog Number [1,2]	Wall Thickness (Inches)	Base Square [3] (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection [3] (Inches)	Shaft Size [3] (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) [4]				Max. Fixture Load - Includes Bracket (Pounds)
MH			S	BC	BP	B	D x AB x H		80 mph	90 mph	100 mph	110 mph	
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	30.0	22.0	17.0	13.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	15.0	11.5	8.7	6.5	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	8.7	5.9	3.9	2.5	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	15.4	11.1	7.9	5.5	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.7	1.7	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	9.3	6.0	3.5	1.6	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.9	6.1	3.5	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	4.7	2.1	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	10.4	6.4	3.5	1.5	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.3	1.4	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	19.0	13.0	8.7	5.6	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.8	2.8	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	12.8	7.2	3.7	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.5	11.0	6.8	3.5	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.3	3.0	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	13.0	7.0	3.7	0.8	300

EFFECTIVE PROJECTED AREA (Two Feet Above Pole Top)

Mounting Height (Feet)	Catalog Number [1,2]	Wall Thickness (Inches)	Base Square [3] (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection [3] (Inches)	Shaft Size [3] (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) [4]				Max. Fixture Load - Includes Bracket (Pounds)
MH			S	BC	BP	B	D x AB x H		80 mph	90 mph	100 mph	110 mph	
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	23.0	17.5	14.0	11.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	13.4	10.0	7.5	5.7	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	7.6	5.2	3.4	2.1	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	13.8	9.9	7.1	4.9	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.4	1.6	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	8.5	5.5	3.2	1.5	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.1	5.6	3.0	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	1.8	--	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	9.6	5.9	1.9	0.2	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.1	1.3	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	18.5	12.5	8.4	5.3	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.5	2.4	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	11.8	7.0	3.5	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.0	10.5	6.4	3.4	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.0	2.4	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	12.0	6.7	3.0	0.5	300

NOTES:

1. Catalog number includes pole with hardware kit. Anchor bolts not included. Before installing, make sure proper anchor bolts and templates are obtained.
2. Tenon size or machining for rectangular arms must be specified. Hand hole position relative to drill location.
3. Shaft size, base square, anchor bolts and projections may vary slightly. All dimensions nominal.
4. EPAs based on shaft properties with wind normal to flat. EPAs calculated using base wind velocity as indicated plus 30% gust factor.

VIBRATION

Vibrations may cause damage to structures, including poles. Vibrations are unpredictable, and there are many factors and variables that can cause damaging vibrations. Many wind conditions exist that can create damaging vibrations to poles and luminaires, such as constant winds between 10-30 mph. Although all pole types can experience vibration, straight square poles seem to be most prone. Vibration dampers and/or a round tapered design may be used to mitigate damage from vibrations, but there is no guarantee damaging vibrations will be prevented. Vibration dampers are not included with this pole but can be ordered separately. Consult with a professional, and local and federal standards, to ensure this pole is appropriate for the intended purpose and installation location. Refer to Cooper Lighting Solutions' Light Pole White Paper for risk factors and design considerations.

MAINTENANCE

Perform inspections periodically. A prudent inspection schedule would be: one week after installation, one month after installation, yearly after installation, and following any major wind event. During the inspection, check the poles for cracks. If cracks are detected, remedial action is required. Recheck anchor bolt torques and re-tighten according to the recommended torque values. Check for missing covers and pole caps and replace as necessary. Check the pole for corrosion and deterioration of the finish. Should there be corrosion or deterioration, take remedial action to correct.

WARNING: Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to pole white paper WP513001EN for additional support information. Before installing, make sure proper anchor bolts and templates are obtained. The use of unauthorized accessories such as banners, signs, cameras or pennants for which the pole was not designed voids the pole warranty and may result in pole failure causing serious injury or property damage. Information regarding total loading capacity can be supplied upon request. The pole warranty is void unless poles are used and installed as a complete pole and luminaire combination. This warranty specifically excludes failure as the result of a third party act or omission, misuse, unanticipated uses, fatigue failure or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

Specifications and dimensions subject to change without notice. Consult your lighting representative at Cooper Lighting Solutions or visit www.cooperlighting.com for available options, accessories and ordering information.



GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
5. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

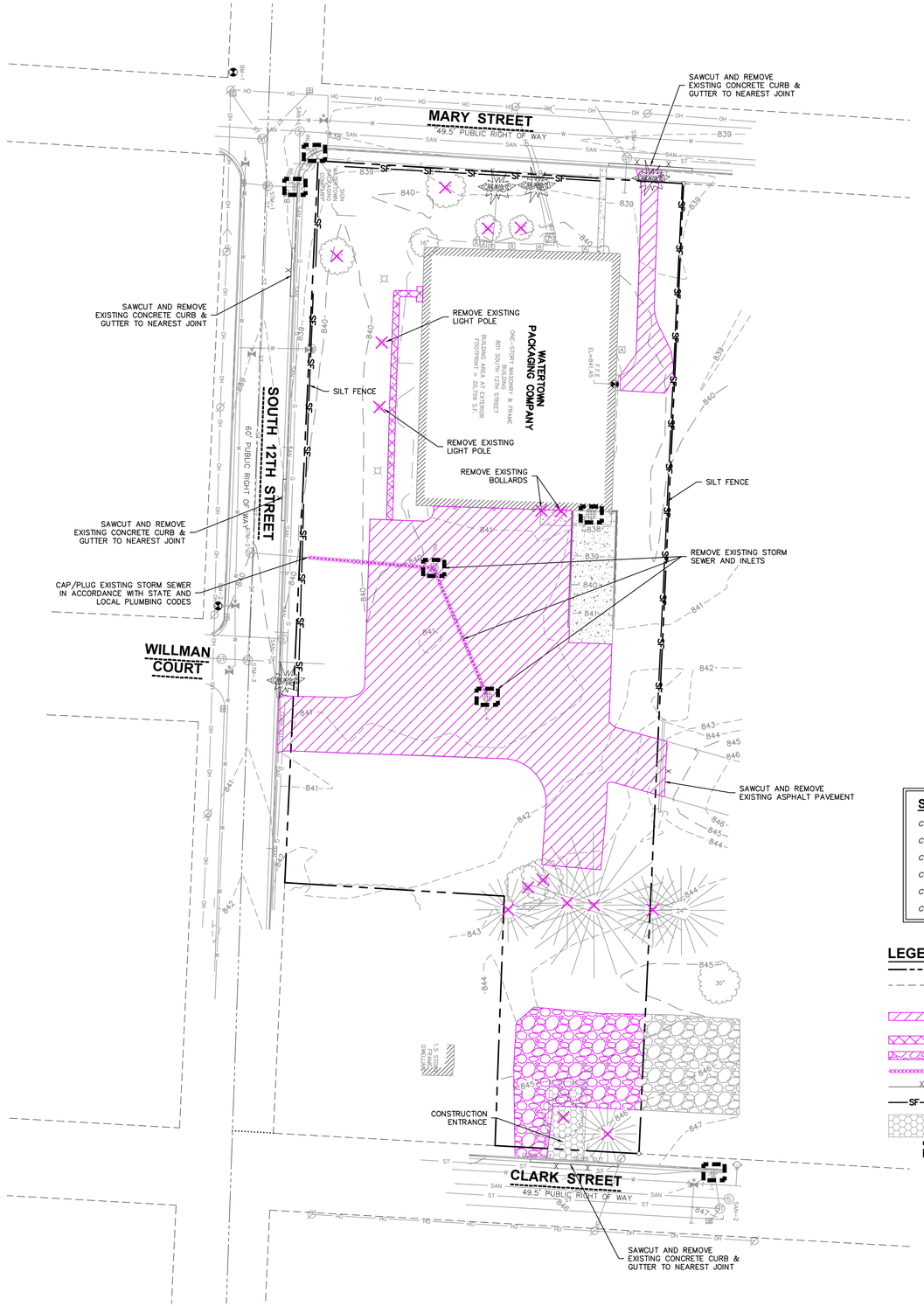
DEMOLITION NOTES

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE.
3. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
4. ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO REPLACE ALL CURB AND GUTTER ABUTTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY CURB AND GUTTER THAT THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
   - 6.1. EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - 6.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
   - 6.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
   - 6.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
7. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
9. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
10. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
11. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
12. EXISTING FIBER OPTIC LINE TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE LOCATION.
13. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF WATERTOWN SPECIFICATIONS.
14. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF WATERTOWN SPECIFICATIONS.
15. ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
16. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED SOILS SHALL BE REMOVED TO A LANDFILL IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
17. CONTRACTOR TO REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
18. RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

CONSTRUCTION SEQUENCING

1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION, AND TEMPORARY CONSTRUCTION ENTRANCE.
2. CONDUCT DEMOLITION AND SITE CLEARING AS INDICATED ON PLANS.
3. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
4. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED.
5. CONSTRUCT BUILDING FOOTINGS/FOUNDATIONS.
6. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
7. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
8. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
9. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.



SHEET INDEX

C1.0 SITE DEMOLITION PLAN
C2.0 SITE PAVEMENT ID AND DIMENSION PLAN
C3.0 SITE GRADING & EROSION CONTROL PLAN
C4.0 SITE UTILITY PLAN
C5.0 NOTES & DETAILS
C5.1 NOTES & DETAILS

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- FEATURE TO BE REMOVED
- ASPHALT PAVEMENT TO BE REMOVED
- CONCRETE PAVEMENT TO BE REMOVED
- GRAVEL TO BE REMOVED/SALVAGED
- STORM SEWER TO BE REMOVED
- SAWCUT EXISTING PAVEMENT
- SILT FENCE
- CONSTRUCTION ENTRANCE
- INLET PROTECTION

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P. 262.513.0666

CLIENT:
BAYLAND BUILDINGS, INC.

CLIENT ADDRESS:
P.O. BOX 13571
GREEN BAY, WI 54307-3571

PROJECT:
GRIFFIN ARMAMENT

PROJECT LOCATION:
801 SOUTH 12TH ST.
WATERTOWN, WI 53094
JEFFERSON COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	01.03.23	DOWNSPOUTS & SANITARY
2	01.06.23	ADDED FENCE
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By:	JJS
Reviewed By:	TJB
Approved By:	JLJ

SHEET TITLE:
SITE DEMOLITION PLAN

SHEET NUMBER:
C1.0

JSD PROJECT NO: 22-11674

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PAVING NOTES

1. GENERAL

1.1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF WATERTOWN ORDINANCES AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER OF RECORD.

1.2. SURFACE PREPARATION – NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.

1.3. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.

2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS

2.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.

2.2. WEATHER LIMITATIONS – APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (–1° C).

2.3. GRADE CONTROL – ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.

2.4. CRUSHED AGGREGATE BASE COURSE – THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.

2.5. BINDER COURSE AGGREGATE – THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 315, STATE HIGHWAY SPECIFICATIONS.

2.6. SURFACE COURSE AGGREGATE – THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465, STATE HIGHWAY SPECIFICATIONS.

2.7. ASPHALTIC MATERIALS – THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.

3. CONCRETE PAVING SPECIFICATIONS

3.1. CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.

3.2. CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOVOMESH 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.

3.3. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.

3.4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE–QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.

3.5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.

3.6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.

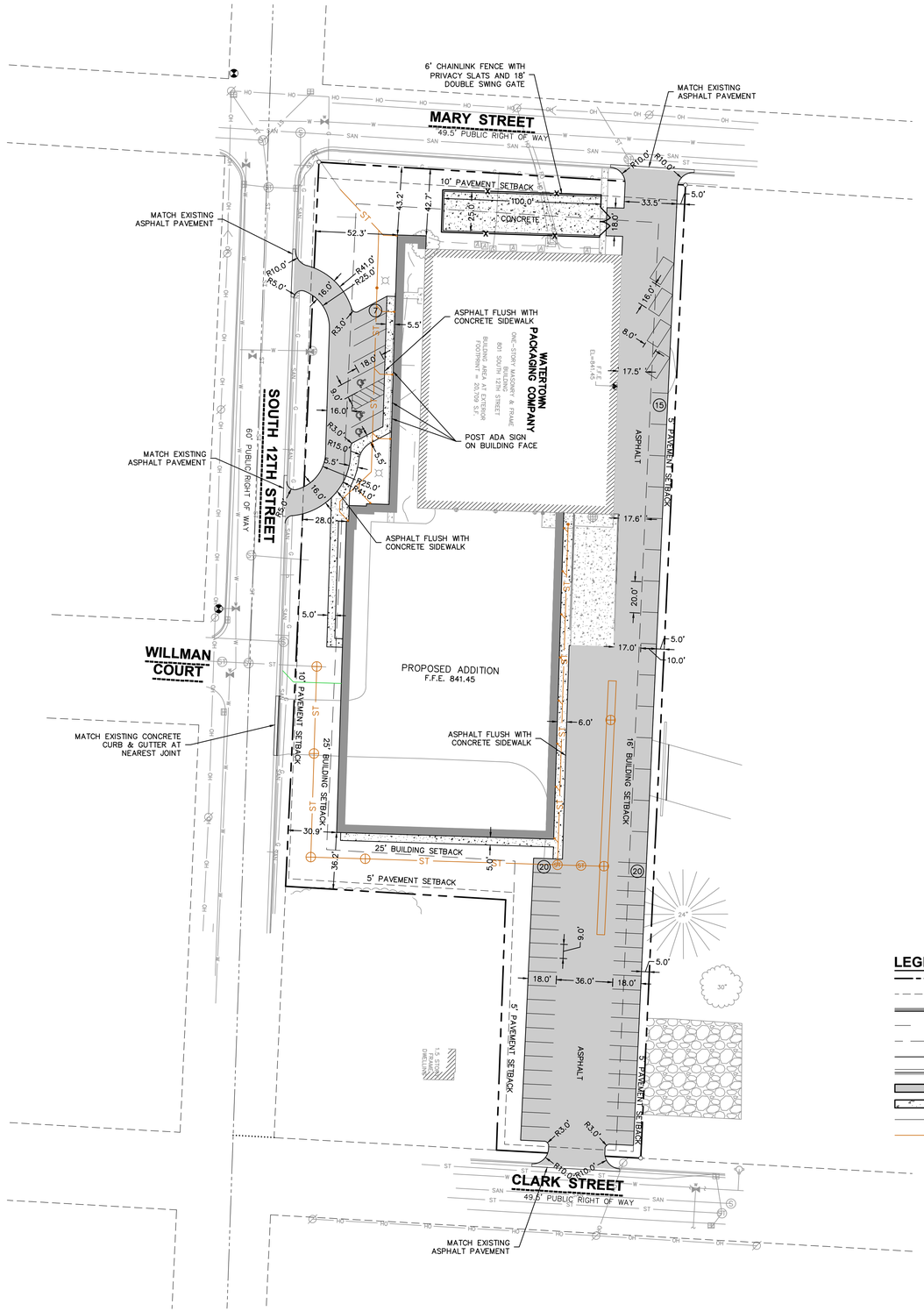
3.7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK–26UV CONCRETE SEALANT.

4. PAVEMENT MARKING SPECIFICATIONS

4.1. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.

4.2. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.

4.3. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP–OFF/PICK–UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.



SITE DATA TABLE

LOT AREA	123,008 SF (2.82 ACRES)	
BUILDING AREA	52,700 SF	(43%)
PAVEMENT AREA	42,849 SF	(35%)
PERVIOUS AREA	27,459 SF	(22%)

LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- BUILDING OUTLINE
- BUILDING SETBACK LINE
- PAVEMENT SETBACK LINE
- EDGE OF PAVEMENT
- CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- SAWCUT EXISTING PAVEMENT
- STORM SEWER

north

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Designed By:	JJS
Reviewed By:	TJB
Approved By:	JLJ

SHEET TITLE:
SITE PAVEMENT ID & DIMENSION PLAN

SHEET NUMBER:
C2.0

JSD PROJECT NO: 22-11674

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EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF WATERTOWN OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.

2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF WATERTOWN ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.

3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF WATERTOWN PRIOR TO DEVIATION OF THE APPROVED PLAN.

4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.

5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.

6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.

7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.

8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF WATERTOWN.

9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.

10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."

11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.

12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
    A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
    B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
    C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.

13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.

14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.

15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.

16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.

17. STABILIZATION PRACTICES:

    17.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:

    17.2. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.

    17.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.

    17.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
    - PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
    - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE)
    - HYDRO-MULCHING WITH A TACKIFIER
    - GEOTEXTILE EROSION MATTING
    - SODDING

GRADING AND SEEDING NOTES

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING: SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.

3. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.

4. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.

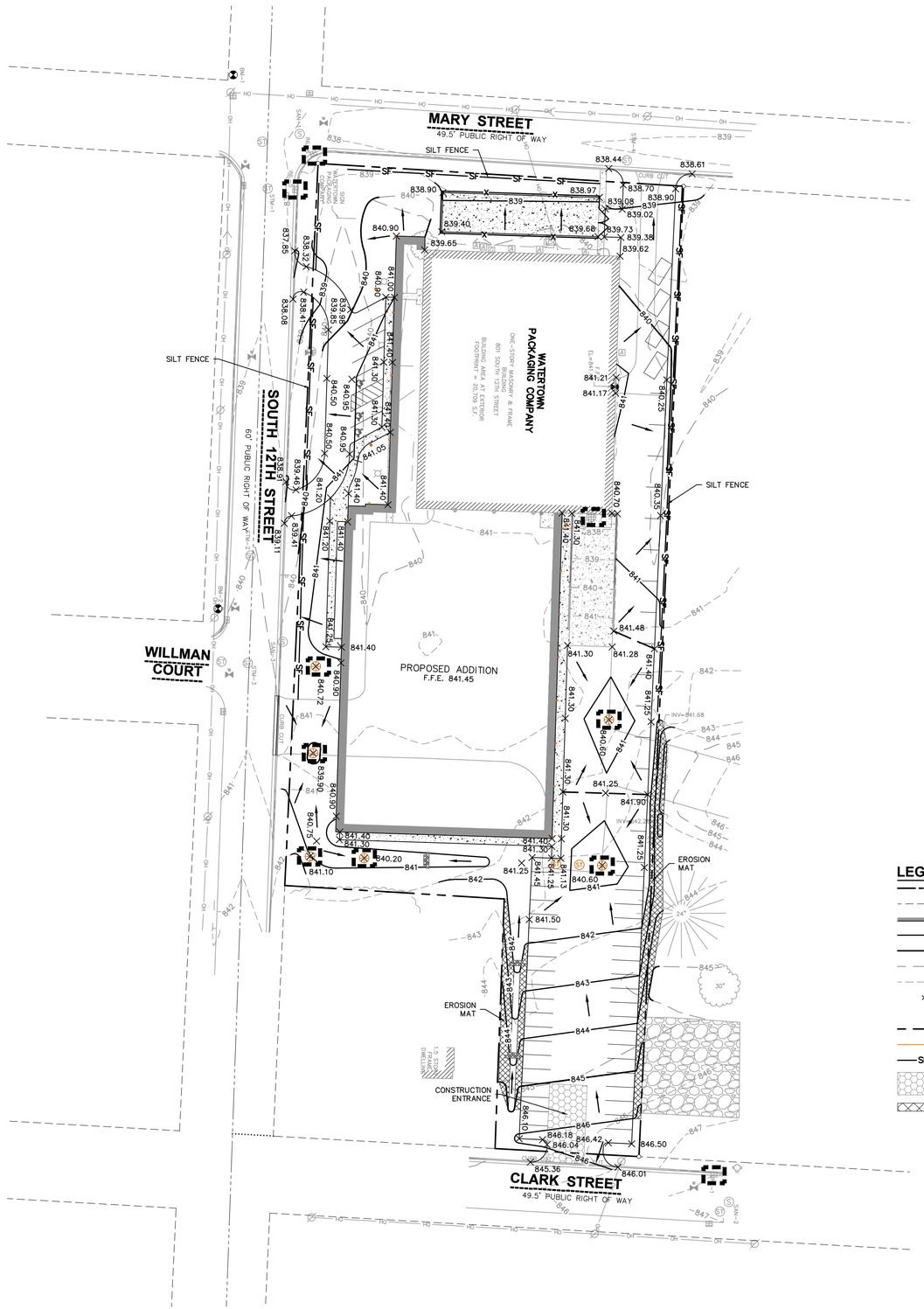
5. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.

6. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.

7. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.

8. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.

9. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND CITY OF WATERTOWN ORDINANCE.



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- BUILDING OUTLINE
- 844 PROPOSED 1 FOOT CONTOUR
- 845 PROPOSED 5 FOOT CONTOUR
- 844 EXISTING 1 FOOT CONTOUR
- 845 EXISTING 5 FOOT CONTOUR
- × 846.50 SPOT ELEVATION
- DRAINAGE DIRECTION
- GRADE BREAK
- ST STORM SEWER
- SF SILT FENCE
- CONSTRUCTION ENTRANCE
- EROSION MATTING
- DITCH CHECK
- INLET PROTECTION

north

SCALE IN FEET

40' 0 40'

DIGGERS HOTLINE
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CREATE THE VISION TELL THE STORY
jsdinc.com
MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
BAYLAND BUILDINGS, INC.

CLIENT ADDRESS:
P.O. BOX 13571
GREEN BAY, WI 54307-3571

PROJECT:
GRIFFIN ARMAMENT

PROJECT LOCATION:
801 SOUTH 12TH ST.
WATERTOWN, WI 53094
JEFFERSON COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	01.03.23	DOWNSPOUTS & SANITARY
2	01.06.23	ADDED FENCE
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: JJS
Reviewed By: TJB
Approved By: JLJ

SHEET TITLE:
SITE GRADING & EROSION CONTROL PLAN

SHEET NUMBER:
C3.0

JSD PROJECT NO: 22-11674

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UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
   - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
   - VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
   - NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
   - NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
   - COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.

3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN – AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.

4. SPECIFICATIONS SHALL COMPLY WITH THE CITY OF WATERTOWN SPECIAL PROVISIONS.

5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

6. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.

7. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.

8. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.

9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS–BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.

10. STORM SEWER SPECIFICATIONS –

    PIPE – HIGH DENSITY DUAL–WALL POLYETHYLENE CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M–294 TYPE "S".

    BACKFILL AND BEDDING – STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".

    FIELD TILE CONNECTION – ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

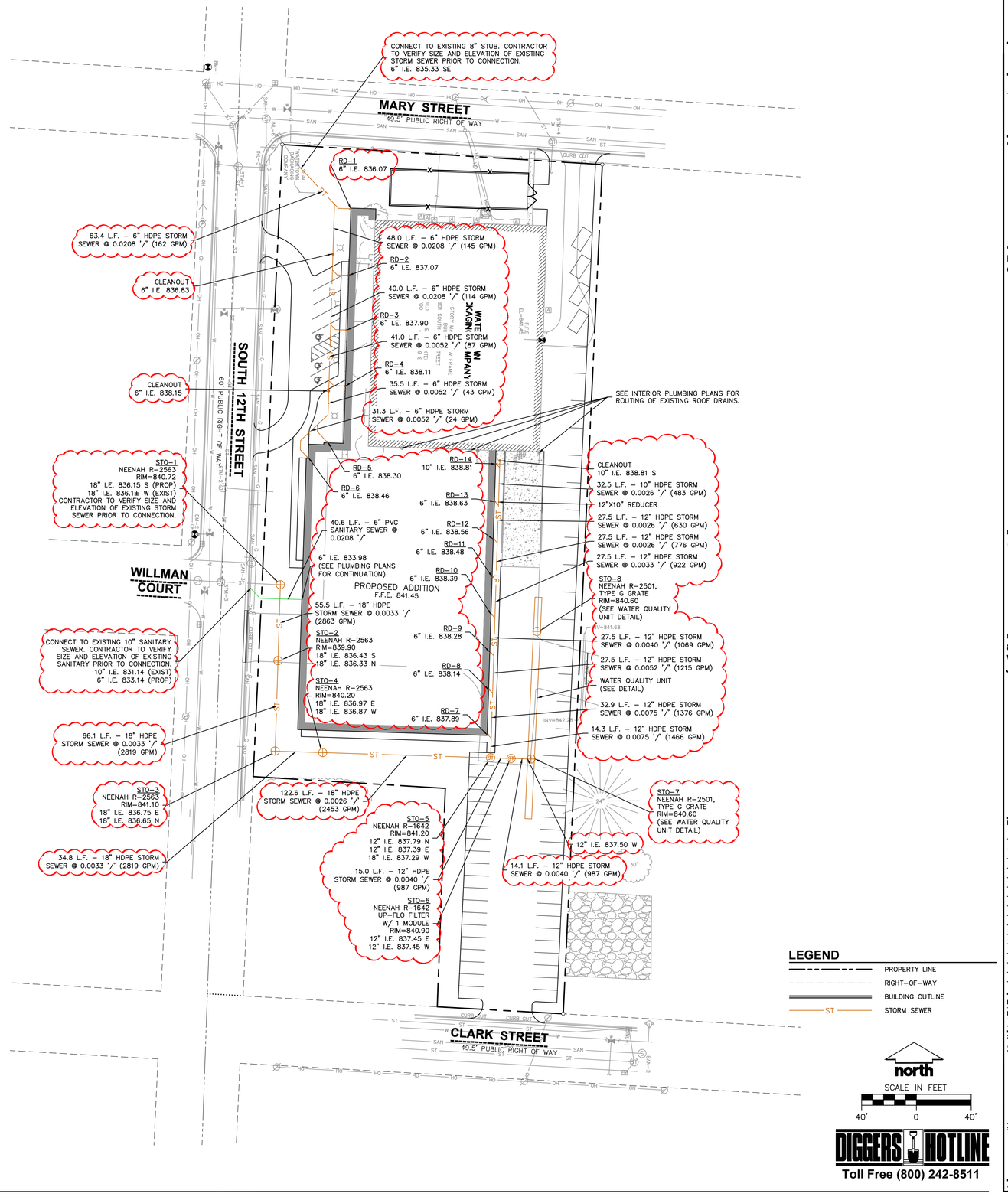
11. SANITARY SEWER SPECIFICATIONS –

    PIPE – SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR–35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D–3212.

    BEDDING AND COVER MATERIAL – BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

    BACKFILL – BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS."

12. SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).



LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- BUILDING OUTLINE
- ST — STORM SEWER

north

SCALE IN FEET

40' 0 40'

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PROJECT:
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Designed By: JJS
Reviewed By: TJB
Approved By: JLJ

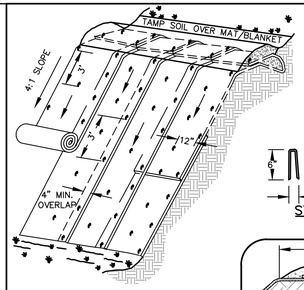
SHEET TITLE:
SITE UTILITY PLAN

SHEET NUMBER:
C4.0

JSD PROJECT NO: 22-11674

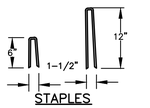
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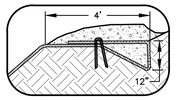


ISOMETRIC VIEW
TYPICAL SLOPE SOIL STABILIZATION

NOTE:
MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.



STAPLES



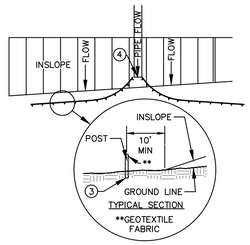
BERM

GENERAL NOTES:

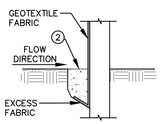
1. EROSION MAT CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1052 "NON-CHANNEL EROSION MAT".
2. ONLY WisDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) APPROVED MATS SHALL BE ALLOWED. REFER TO EROSION CONTROL PLAN FOR EXACT MAT CLASSIFICATION.
3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
5. ONLY WisDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) APPROVED MATS SHALL BE ALLOWED. REFER TO EROSION CONTROL PLAN FOR EXACT MAT CLASSIFICATION.

REV. 11-19-2018

EROSION MATTING
N.T.S.

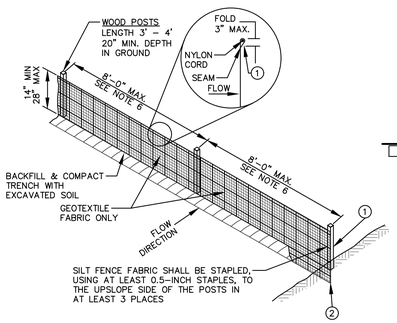


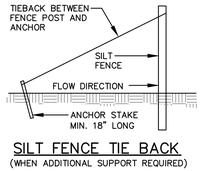
SILT FENCE ALONG SLOPES & OUTFALLS



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

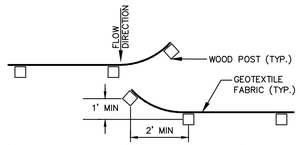
TRENCH DETAIL



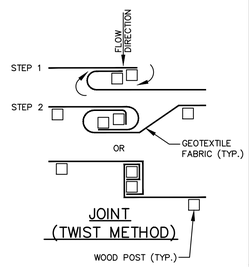


SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)

REV. 7-01-2019



JOINT (HOOK METHOD)

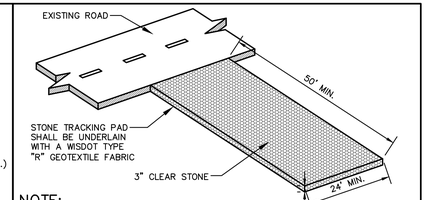


JOINT (TWIST METHOD)

GENERAL NOTES:

1. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
2. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
4. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
5. SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO WDNR TECHNICAL STANDARD 1056.
6. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8-FEET FOR WOVEN & 3-FEET FOR NON-WOVEN)

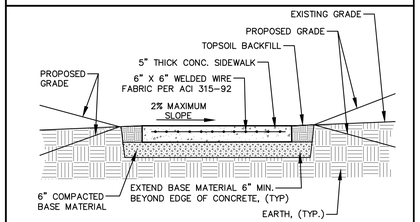
SILT FENCE
N.T.S.



NOTE:
CONTRACTOR TO VERIFY LOCATION WITH OWNER.

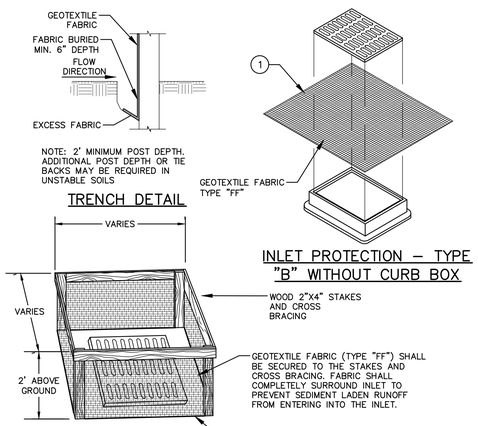
CONSTRUCTION ENTRANCE
N.T.S.

REV. 12-10-2018



CONCRETE SIDEWALK
N.T.S.

REV. 7-01-2019



NOTE: 2' MINIMUM POST DEPTH. ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

TRENCH DETAIL

INLET PROTECTION - TYPE "B" WITHOUT CURB BOX

INLET PROTECTION - TYPE "A"

GENERAL NOTES:

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

(1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER OF FACILITATE MAINTENANCE OR REMOVAL.

(2) FOR INLET PROTECTION, TYPE "C" (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

(3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT A WOOD 2X4

INSTALLATION NOTES:

TYPE "B" & "C"

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE.

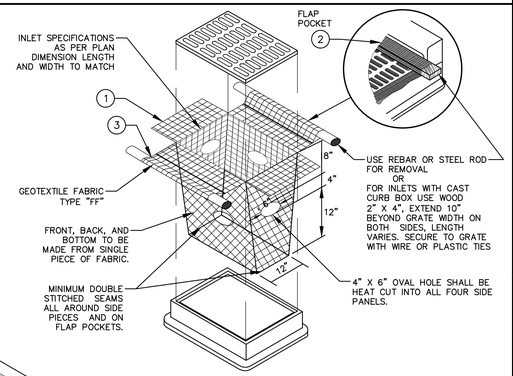
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHODS TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE "D"

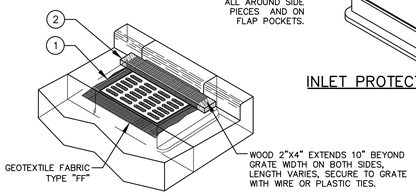
DO NOT INSTALL INLET PROTECTION TYPE "D" IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3 INCHES. WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCHES CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4 INCHES FROM THE BOTTOM OF THE BAG.



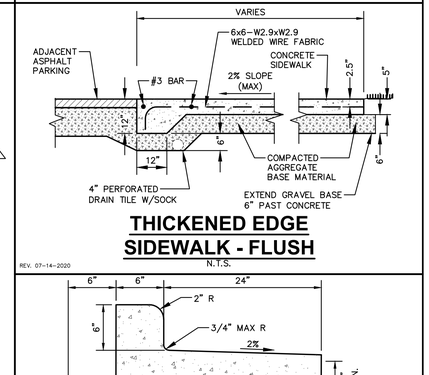
INLET PROTECTION - TYPE "D"



INLET PROTECTION - TYPE "C" WITH CURB BOX

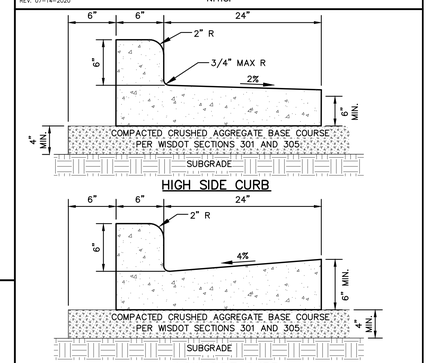
INLET PROTECTION
N.T.S.

REV. 11-19-2018



THICKENED EDGE SIDEWALK - FLUSH
N.T.S.

REV. 07-14-2020

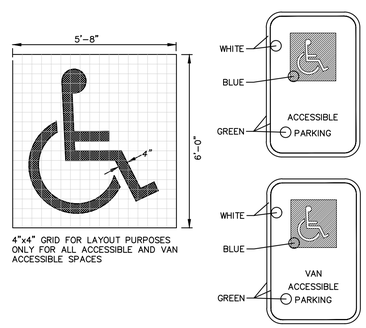


GENERAL NOTES:

1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15 FEET NOR LESS THAN 6 FEET. THE JOINTS SHALL BE A MINIMUM OF 3 INCHES IN DEPTH.
2. EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200 FEET OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER OF RECORD. THE EXPANSION JOINT FILLER SHALL BE A ONE PIECE FIBER BOARD OR THE APPROVED EQUIVALENT MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 0.5 INCH THICK.
3. IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.

30" STANDARD CURB & GUTTER
N.T.S.

REV. 12-24-2020



4"x4" GRID FOR LAYOUT PURPOSES ONLY FOR ALL ACCESSIBLE AND VAN ACCESSIBLE SPACES

NOTE:
SYMBOL DETAILS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS PRIOR TO CONSTRUCTION.

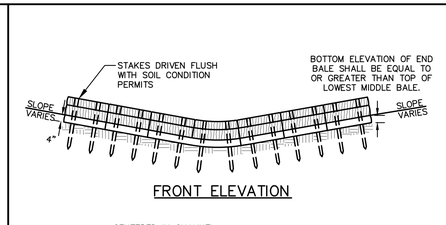
PAINTED SYMBOL
N.T.S.

NOTE:
SIGNAGE AND SYMBOL DETAILS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS PRIOR TO CONSTRUCTION.

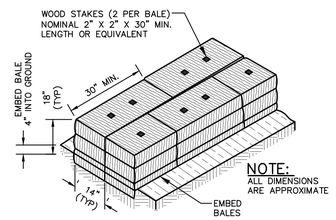
SIGN DETAILS
N.T.S.

ADA PARKING
N.T.S.

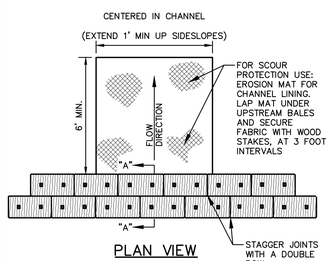
REV. 11-19-2018



FRONT ELEVATION



SECTION "A-A"



PLAN VIEW

GENERAL NOTES:

1. INSTALLED, THE MINIMUM HEIGHT OF DITCH CHECKS SHALL BE 10-INCHES AND SHALL NOT EXCEED A MAXIMUM HEIGHT OF 16-INCHES FOR MANUFACTURED OR BIODEGRADABLE MATERIALS.
2. DITCH CHECKS MUST BE INSTALLED WITH THE CENTER LOWER THAN THE SIDES FORMING A WEIR.
3. AT A MINIMUM, INSTALL ONE DITCH CHECK FOR EVERY TWO-FEET OF DROP IN THE CHANNEL.
4. DITCH CHECK SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24- HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5-INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
5. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN DEPOSITS REACH HALF OF THE HEIGHT OF THE LOWEST BALE.
6. DITCH CHECKS SHALL BE UTILIZED DURING ROUGH GRADING AND SHALL BE REMOVED ONCE FINAL GRADING AND CHANNEL STABILIZATION IS APPLIED.
7. DITCH CHECK CONSTRUCTION AND MAINTENANCE SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD (1062). EROSION MATTING SCOUR PROTECTION SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD (1053).

DITCH CHECK (STRAW BALES)
N.T.S.

REV. 11-19-2018

DIGGERS HOTLINE
Toll Free (800) 242-8511

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MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
BAYLAND BUILDINGS, INC.

CLIENT ADDRESS:
P.O. BOX 13571
GREEN BAY, WI 54307-3571

PROJECT:
GRIFFIN ARMAMENT

PROJECT LOCATION:
801 SOUTH 12TH ST.
WATERTOWN, WI 53094
JEFFERSON COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	01.03.23	DOWNSPOUTS & SANITARY
2	01.06.23	ADDED FENCE
3		
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15		

Designed By:	JJS
Reviewed By:	TJB
Approved By:	JLJ

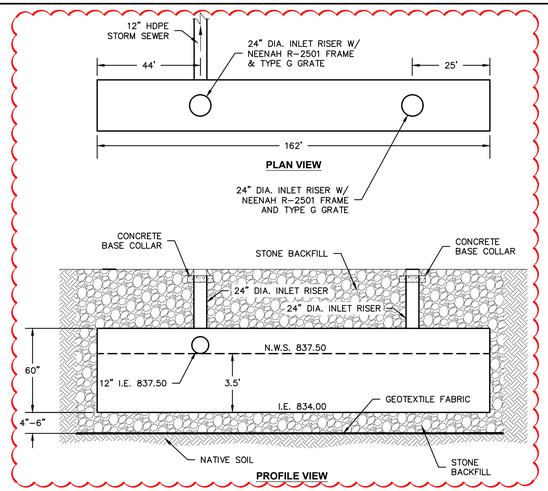
SHEET TITLE:
NOTES & DETAILS

SHEET NUMBER:
C5.0

JSD PROJECT NO: 22-11674

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File: R:\2022\22-11674\DWG\22-11674 SHEET5 Details.dwg Layout: C5.0 User: jsimon Plotted: Jan 06, 2023 - 12:28pm Xref's:

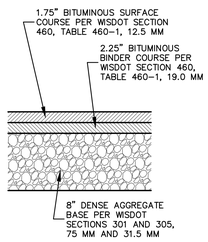


GENERAL NOTES

1. WATER QUALITY UNIT SHALL BE CONSTRUCTED USING 60" DIA. HDPE PIPE AND FITTINGS. INSTALL PIPE AND FITTINGS PER MANUFACTURER'S RECOMMENDATIONS.
2. BASE COLLARS SHALL BE 4' X 4' CONCRETE SLABS WITH A MINIMUM THICKNESS OF 6 INCHES.

WATER QUALITY UNIT

N.T.S.



STANDARD ASPHALT PAVEMENT SECTION

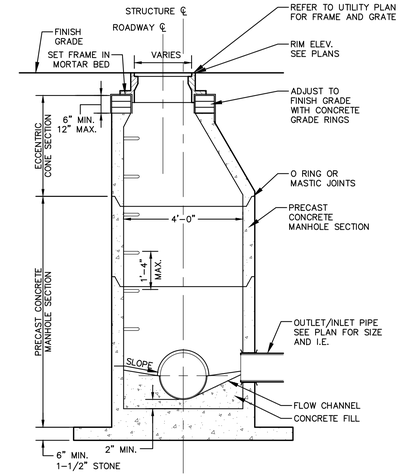
GENERAL NOTES:

1. PAVEMENT SECTIONS ARE MINIMUM THICKNESS BASED ON SIMILAR PROJECTS WITH SIMILAR EXPECTED TRAFFIC LOADING, JSD CANNOT GUARANTEE PERFORMANCE AND/OR LIFE EXPECTANCY OF PROPOSED PAVEMENT DESIGN.
2. REFER TO GEOTECHNICAL ENGINEER OF RECORD FOR PAVEMENT RECOMMENDATION.
3. WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
   - BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
   - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
4. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

REV. 7-01-2019

PAVEMENT SECTIONS

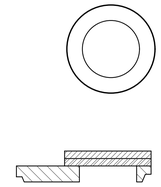
N.T.S.



REV. 12-07-2018

STORM SEWER MANHOLE

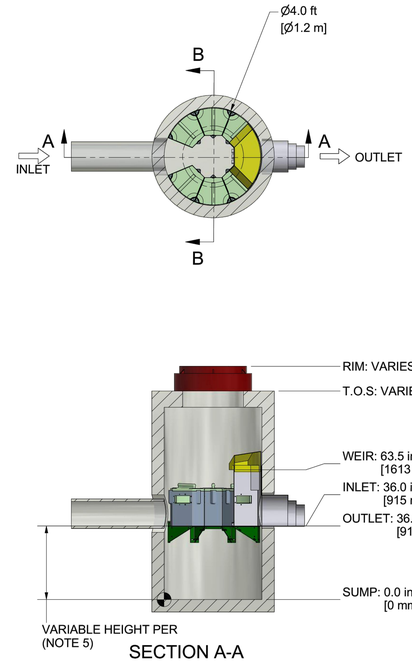
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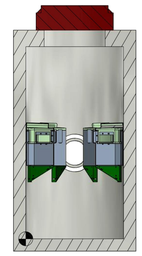
FLAT TOP SLAB

GENERAL NOTES:

1. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. PROVIDE FLAT TOP SLAB FOR MANHOLES 5' OR LESS IN DEPTH. FLAT TOP SLABS TO BE IN-BELL TYPE.
3. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
4. USE MORTAR FOR PIPE CONNECTIONS.
5. ECCENTRIC CONE SECTION OF MANHOLE TO BE SET OUTSIDE OF VEHICULAR WHEEL PATH NEAR ℄ ROADWAY.



SECTION A-A



SECTION B-B

CALL 811 OR 1-800-242-8511 DIGGERS HOTLINE

CAPACITIES:

- Minimum performance: 80% removal. Washington DOE/NJCAT verified at the peak treatment flow.
- Peak treatment flow:
  .033 CFS (0.9 LPS) (15 GPM) per module (Ribbons)
  .022 CFS (0.6 LPS) (10 GPM) per module (Long Ribbons)
  .056 CFS (1.6 LPS) (25 GPM) per module (CPZ)
- Maximum number of ribbon modules per outlet module: 36
- Maximum number of CPZ modules per outlet module: 18 (contract Hydro if more are required)

ADDITIONAL DESIGN INFORMATION:

- Normal operating W.S.E. is 26-30" (660-762mm) above the outlet invert
- Media Types Available: Ribbons, CPZ

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.
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DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERENCES ARE:
FRACTIONS ± 1/16
DECIMALS:
X.X ± .06
X.XX ± .03
X.XXX ± .015
ANGLES: ± .5°

PROJECTION

COMMENTS:
1. STRUCTURE WALL AND SLAB THICKNESSES ARE NOT TO SCALE
2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING THE STRUCTURE
3. NOT FOR CONSTURCION CONTACT HYDRO FOR SITE SPECIFIC DRAWING
4. NOT ALL SIZES AVAILABLE IN ALL AREAS
5. SUMP DEPTH AVAILABLE IN 24" (610mm) CPZ, RIBBONS AND 36" (914mm) LONG RIBBONS DEPTH

REVISION HISTORY

REV	BY	DESCRIPTION	DATE
-	ER	FIRST RELEASE	6/17/2019

DATE: 6/17/2019 | SCALE: NTS
DRAWN BY: ER | CHECKED BY: | APPROVED BY:
Title: UP-FLO FILTER 4ft Manhole

6 MODULES MAX

Sizing Tool

WEIGHT: N/A | MATERIAL:
NEXT ASSEMBLY: 4 MH-1
DRAWING NO.: 4 MH-UFF-1
SHEET SIZE: B | SHEET: 1 OF 1 | Rev: -

Hydro International

94 Hutchins Drive
Portland, ME 04102
Tel: +1 (207) 756-6200
Fax: +1 (207) 756-6212
hydro-int.com

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Toll Free (800) 242-8511

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MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
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Designed By: JJS
Reviewed By: TJB
Approved By: JLJ

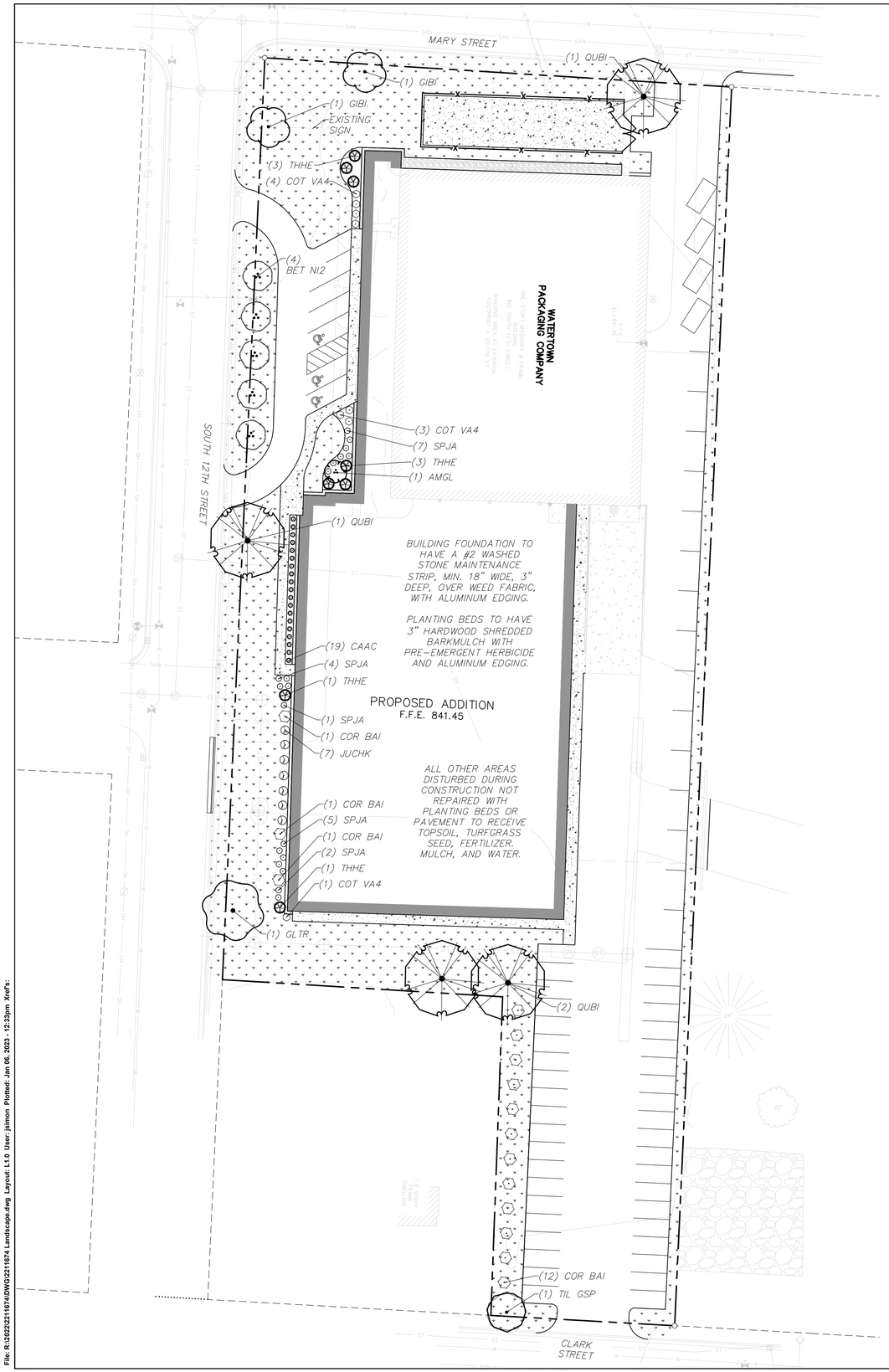
SHEET TITLE:
NOTES & DETAILS

SHEET NUMBER:
C5.1

JSD PROJECT NO: 22-11674

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PLANT SCHEDULE

CLIMAX TREES				
Code	Quantity	Botanical/Common	Root	Size
GIBI	2	Ginkgo biloba `Autumn Gold` TM / Autumn Gold Maidenhair Tree	B & B	2.5" Cal
QUBI	4	Quercus bicolor / Swamp White Oak	B & B	2.5" Cal
TALL DECIDUOUS TREES				
Code	Quantity	Botanical/Common	Root	Size
GLTR	1	Gleditsia triacanthos inermis `Shademaster` TM / Shademaster Locust	B & B	2" Cal
TIL GSP	1	Tilia cordata 'Greenspire' / Greenspire Littleleaf Linden	B & B	2" Cal
MEDIUM DECIDUOUS TREES				
Code	Quantity	Botanical/Common	Root	Size
BET NI2	4	Betula nigra `BNMTF` TM / Dura Heat River Birch	B & B	7' (Multi-Stem)
LOW DECIDUOUS TREES				
Code	Quantity	Botanical/Common	Root	Size
AMGL	1	Amelanchier x grandiflora `Autumn Brilliance` / Autumn Brilliance Serviceberry	B & B	5' (Multi-Stem)
MEDIUM EVERGREEN TREE				
Code	Quantity	Botanical/Common	Root	Size
THHE	8	Thuja occidentalis 'Hetz Wintergreen' / Hetz Wintergreen Arborvitae	B & B	5` Ht.
TALL DECIDUOUS SHRUB				
Code	Quantity	Botanical/Common	Root	Size
COR BAI	15	Cornus baileyi / Bailey`s Red-twig Dogwood	B & B	36" Ht.
MEDIUM DECIDUOUS SHRUB				
Code	Quantity	Botanical/Common	Root	Size
COT VA4	8	Cotoneaster acutifolius lucidus / Hedge Cotoneaster	Cont.	#3 - 24" Ht.
LOW DECIDUOUS SHRUB				
Code	Quantity	Botanical/Common	Root	Size
SPJA	19	Spiraea japonica `SMNSJMFR` TM / Double Play Red Spirea	Cont.	#3 - 18" Ht.
LOW EVERGREEN SHRUBS				
Code	Quantity	Botanical/Common	Root	Size
JUCHK	7	Juniperus chinensis `Pfitzerana Kallays Compacta` / Kally Pfitzer Compact Juniper	Cont.	#2 - 12" Ht.
PERENNIALS & GRASSES				
Code	Quantity	Botanical/Common	Root	Size
CAAC	19	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	Cont.	#1

north

SCALE IN FEET

40' 0 40'

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P. 262.513.0666

CLIENT:
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JEFFERSON COUNTY

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Designed By: KDB
Reviewed By: RDB
Approved By: KDB

SHEET TITLE:
OVERALL LANDSCAPE PLAN

SHEET NUMBER:
L1.0

JSD PROJECT NO: 22-11674

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File: R:\2022\22116741\DWG\22116741 Landscape.dwg Layout: L1.0 User: jaimon Plotted: Jan 06, 2023 - 12:33pm Xref's:

MUNICIPAL REQUIREMENTS

Sec. 55-96(A) BUILDING FOUNDATIONS (1,090 LF)

Landscape Requirement: *20 Points per 100 LF of building foundation*
Provisions: calculated by total building perimeter
Calculation: *1,090 LF / 100 x 20 = 218*
Required: ***218 Points***
Provided: ***249 Points***

	Quantity	Points	Total
Climax Tree	0	75	0
Tall Deciduous Tree	0	30	0
Medium Deciduous Tree	0	15	0
Low Deciduous Tree	1	10	10
Tall Evergreen Tree	0	40	0
Medium Evergreen Tree	8	20	160
Low Evergreen Tree	0	12	0
Tall Deciuous Shrub	3	5	15
Medium Deciduous Shrub	8	3	24
Low Deciduous Shrub	19	1	19
Medium Evergreen Shrub	0	5	0
Low Evergreen Shrub	7	3	21
	Total Points =		***249***

Sec. 55-96(B) STREET FRONTAGES

Landscape Requirement: *20 Points per 100 LF of street frontage*
Provisions: within 10-feet of public ROW
minimum 50% of all points to be climax or tall trees, 30% to be medium trees

MARY STREET (235 LF)

Calculation: *235 LF / 100 x 20 = 47*
Required: ***47 Points***
Provided: ***75 Points***

	Quantity	Points	Total
Climax Trees	1	75	75
Tall Deciduous Trees	0	30	0
Medium Deciduous Trees	0	15	0
	Total Points =		***75***

SOUTH 12TH STREET (463 LF)

Calculation: *463 LF / 100 x 20 = 92.6*
Required: ***93 Points***
Provided: ***105 Points***

	Qauntity	Points	Total
Climax Trees	0	75	0
Tall Deciduous Trees	1	30	30
Medium Deciduous Trees	5	15	75
	Total Points =		***105***

CLARK STREET (93 LF)

Calculation: *93 LF / 100 x 20 = 18.6*
Required: ***19 Points***
Provided: ***30 Points***

	Quantity	Points	Total
Climax Trees	0	75	0
Tall Deciduous Trees	1	30	30
Medium Deciduous Trees	0	15	0
	Total Points =		***30***

Sec. 55-96(C) PAVED AREA (33,719 SF, 62 STALLS)

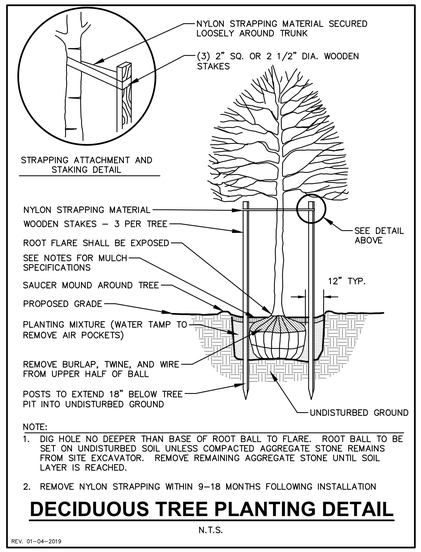
Landscape Requirement: *40 points per 20 parking stalls, or 10,000 SF of parking area*
Provisions: minimum 30% climax/tall trees and 40% shrubs
within 10 feet of paved area
Calculation: *33,719 LF / 10,000 x 40 = 134.9*
62 / 20 X 40 = 124
Required: ***135 Points***
Provided: ***135 Points***

	Qauntity	Points	Total
Climax Trees	1	75	75
Tall Deciduous Trees	0	30	0
Medium Deciduous Trees	0	15	0
Tall Deciuous Shrubs	12	5	60
Medium Deciduous Shrubs	0	3	0
Low Deciduous Shrubs	0	1	0
Medium Evergreen Shrubs	0	5	0
Low Evergreen Shrubs	0	3	0
	Total Points =		***135***

Sec. 55-96(D) DEVELOPED LOTS (52,583 SF)

Landscape Requirement: *5 points per 1,000 SF of building footprint*
Calculation: *52,583 / 1,000 x 5 = 262.9*
Required: ***263 points***
Provided: ***300 points***
Provisions: located away from other requirements

	Quantity	Points	Total
Climax Tree	4	75	300
Tall Deciduous Tree	0	30	0
Medium Deciduous Tree	0	15	0
Low Deciduous Tree	0	10	0
Tall Evergreen Tree	0	40	0
Medium Evergreen Tree	0	20	0
Low Evergreen Tree	0	12	0
Tall Deciuous Shrub	0	5	0
Medium Deciduous Shrub	0	3	0
Low Deciduous Shrub	0	1	0
Medium Evergreen Shrub	0	5	0
Low Evergreen Shrub	0	3	0
	Total Points =		***300***

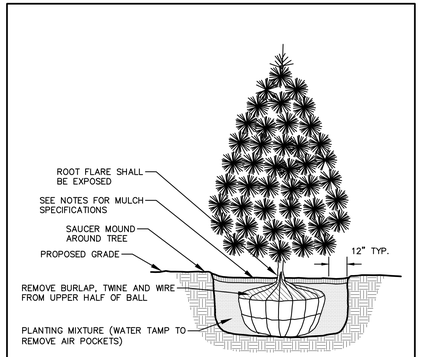


NOTE:
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED.
2. REMOVE NYLON STRAPPING WITHIN 9–18 MONTHS FOLLOWING INSTALLATION

DECIDUOUS TREE PLANTING DETAIL

N.T.S.

REV. 01-04-2019

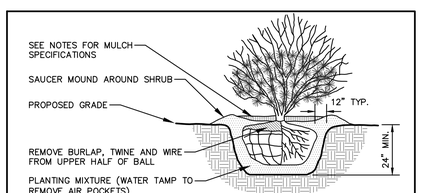


NOTE:
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED

EVERGREEN TREE PLANTING DETAIL

N.T.S.

REV. 01-03-2019

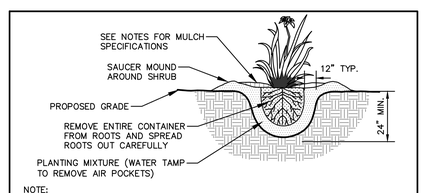


NOTE:
1. ROOT FLARE TO BE EXPOSED.

SHRUB PLANTING DETAIL

N.T.S.

REV. 01-03-2019



NOTE:
1. ROOT FLARE TO BE EXPOSED

PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL

N.T.S.

REV. 01-03-2019

GENERAL NOTES

1. GENERAL: ALL WORK IN THE R–O–W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1–800–242–8511 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
2. DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
3. MATERIALS – PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL–DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
4. PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS "IN SEASON". DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
5. CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL AND BRANCHES. BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
6. ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

1. MATERIALS – PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.
2. MATERIALS – TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
3. MATERIALS – SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3–INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
4. MATERIALS – STONE MULCH: ALL MAINTENANCE STRIP AREAS LABELED ON PLAN SHALL RECEIVE #2 WASH DECORATIVE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3–INCHES. DECORATIVE STONE MULCH TYPE, SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED.
5. MATERIALS – TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4' DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3–INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE–EMERGENT GRANULAR HERBICIDE WEED–PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
6. MATERIALS – ALUMINUM EDGING: EDGING SHALL BE 1/8" X 4", ALUMINUM EDGING, MILL FINISH. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.
7. MATERIALS – TREE PROTECTION: ALL TREES TO BE INSTALLED WITH LDPE TREE GUARDS AS MANUFACTURED BY A.M. LEONARD HORTICULTURAL TOOL & SUPPLY CO., OR APPROVED EQUAL.

SEEDING NOTES

1. MATERIALS – TURFGRASS SEED: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND EARTH CARPET'S "MADISON PARKS" GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO TURFGRASS SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS. MULCH SHALL BE CERTIFIED NOXIOUS WEED SEED–FREE

north
SCALE IN FEET
10' 0 10'

DIGGERS HOTLINE
Toll Free (800) 242-8511

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com
MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
BAYLAND BUILDINGS, INC.

CLIENT ADDRESS:
P.O. BOX 13571
GREEN BAY, WI 54307-3571

PROJECT:
GRIFFIN ARMAMENT

PROJECT LOCATION:
801 SOUTH 12TH ST.
WATERTOWN, WI 53094
JEFFERSON COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	01.03.23	DOWNSPOUTS & SANITARY
2	01.06.23	ADDED FENCE
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: KDB
Reviewed By: KDB
Approved By: KDB

SHEET TITLE:
DETAILED LANDSCAPE PLAN

SHEET NUMBER:
L1.1

JSD PROJECT NO: 22-11674

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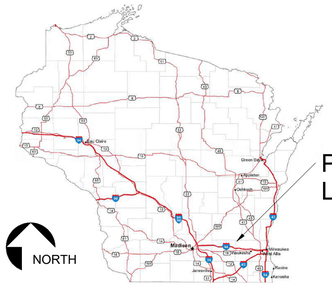
File: R:\2022\22116\74\DWG\2211674 Landscape.dwg Layout: L1.1 User: jalmon Plotted: Jan 06, 2023 - 12:31pm XrefS:

PROPOSED PROJECT FOR:

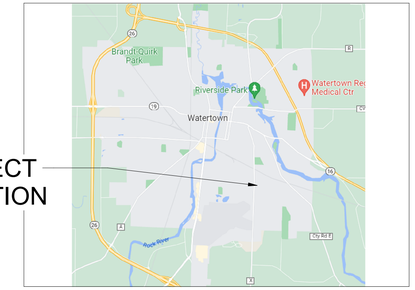
GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN

PROJECT LOCATION MAP

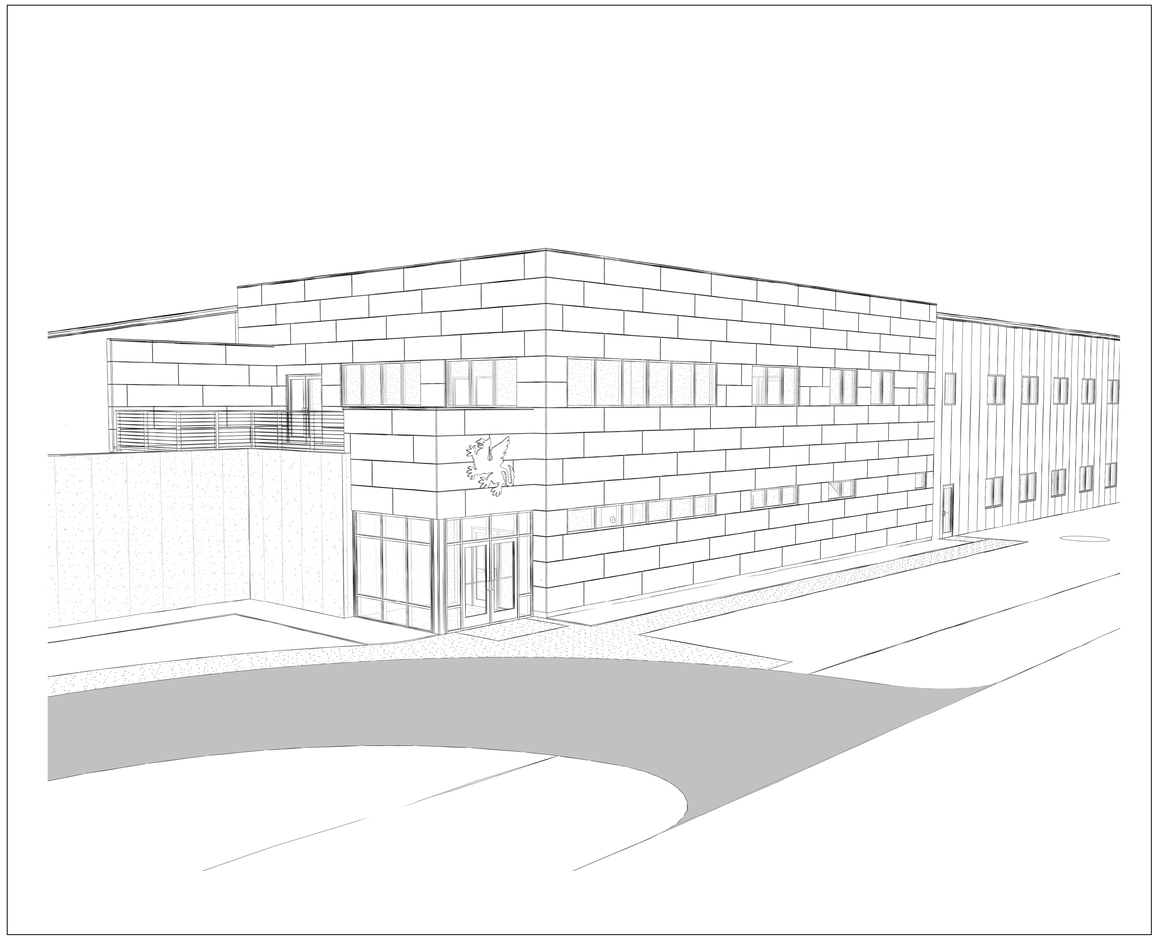


ENLARGED MAP



PROJECT PERSPECTIVE (NTS)

- FOR CONCEPTUAL PROPOSES ONLY!
REFERENCE FLOOR PLANS, ELEVATIONS, SECTIONS, ETC. FOR MORE INFORMATION



SHEET INDEX

NUMBER	SHEET NAME / DESCRIPTION	LATEST SHEET REVISION		
		DATE	ISSUED BY	NUMBER
001 TITLE				
T1.0	TITLE SHEET			
002 CIVIL				
C1.0	SITE PLAN			
004 ARCHITECTURAL				
A0.1	PLAN NOTES			
A0.2	PLAN NOTES			
A1.0	OVERALL FLOOR PLANS			
A1.1	FLOOR PLAN - FIRST FLOOR PLAN			
A1.2	FLOOR PLAN - 1ST FLOOR ENLARGED			
A1.3	FLOOR PLAN - 2ND FLOOR ENLARGED			
A2.0	EXTERIOR ELEVATIONS			
A3.0	BUILDING SECTIONS			
A3.1	BUILDING SECTIONS			
A3.2	BUILDING SECTIONS			
A3.3	BUILDING SECTIONS			
A3.4	BUILDING SECTIONS			
A3.5	BUILDING SECTIONS			
A3.6	BUILDING SECTIONS			
A5.0	STAIR SECTIONS			
A6.0	DOOR SCHEDULE			
A6.1	WINDOW SCHEDULE			
A6.2	FIRST FLOOR FINISH PLAN			
A6.3	SECOND FLOOR FINISH PLAN			
A6.4	REFLECTED CEILING PLANS			
A8.0	ROOF PLAN			
005 STRUCTURAL				
S0.1	STRUCTURAL DESIGN CRITERIA			
S0.2	LOADING PLANS			
S1.0	FOUNDATION PLAN - OVERALL			
S1.1	FOUNDATION PLAN - DIMENSION PLAN			
S1.2	FOUNDATION PLAN - ENLARGED PLAN			
S1.3	ANCHOR BOLT PLAN			
S1.4	ANCHOR BOLT DETAILS			
S2.0	FOUNDATION SCHEDULES & DETAILS			
S2.1	FOUNDATION DETAILS			
S3.0	FRAMING PLANS			
S3.1	FRAMING PLANS			
S3.2	FRAMING PLANS			
S4.0	STRUCTURAL SCHEDULES & DETAILS			
S4.1	STRUCTURAL SCHEDULES & DETAILS			
S4.2	STRUCTURAL SCHEDULES & DETAILS			
S4.3	STRUCTURAL SCHEDULES & DETAILS			
S4.4	STRUCTURAL SCHEDULES & DETAILS			
S5.0	STRUCTURAL DETAILS			

PROJECT INFORMATION

OWNER INFORMATION:
OWNER
ADDRESS
CITY, STATE ZIP
CONTACT:
TENANT:
DIS NO:

ARCHITECTURAL DATA:
BUILDING CODES:
IBC 2015
WECBC SPS 361-366
IEBC 2015
SCOPE OF WORK:
BUILDING USE:

FIRE PROTECTION SYSTEM:
BUILDING IS NOT PROTECTED BY AN AUTOMATIC FIRE SPRINKLER

BUILDING IS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER NFPA 13

BUILDING IS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM FOR HIGH PILED COMBUSTIBLE STORAGE PER NFPA 13 ESFR

BUILDING IS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER NFPA 13R

FIRE & SMOKE PROTECTION FEATURES:
ALLOWABLE AREA DETERMINED BY IBC 508.3 NONSEPARATED OCCUPANCIES

ALLOWABLE AREA DETERMINED BY IBC 508.4 FIRE BARRIER USED TO SEPARATE OCCUPANCIES

ALLOWABLE AREA DETERMINED BY IBC 706.1 FIRE WALL USED TO CREATE SEPARATE BUILDINGS

ALLOWABLE AREA DETERMINED BY IBC 507.3 UNLIMITED AREA, NONSPRINKLERED, ONE STORY

ALLOWABLE AREA DETERMINED BY IBC 507.4 UNLIMITED AREA, SPRINKLERED, ONE STORY

ALLOWABLE AREA DETERMINED BY IBC 507.5 UNLIMITED AREA, SPRINKLERED, TWO STORY

BUILDING IS SURROUNDED AND ADJOINED BY PUBLIC WAY OR YARDS NOT LESS THAN 60 FT IN WIDTH

BUILDING AREA:
FIRST FLOOR (EXISTING)
OCCUPANCY___ AREAS XXX SQ. FT.
SECOND FLOOR (EXISTING)
OCCUPANCY___ AREAS XXX SQ. FT.
FIRST FLOOR (ADDITION)
OCCUPANCY___ AREAS XXX SQ. FT.
SECOND FLOOR (ADDITION)
OCCUPANCY___ AREAS XXX SQ. FT.

TOTAL BUILDING AREA ***XXX SQ. FT.***

OCCUPANT LOAD TABULATED

FIRST FLOOR (EXISTING) OCCUPANCY___	XXX SQ. FT.	XXX GROSS	XXX OCC
SECOND FLOOR (EXISTING) OCCUPANCY___	XXX SQ. FT.	XXX GROSS	XXX OCC
FIRST FLOOR ADDITION OCCUPANCY___	XXX SQ. FT.	XXX GROSS	XXX OCC
SECOND FLOOR ADDITION OCCUPANCY___	XXX SQ. FT.	XXX GROSS	XXX OCC
TOTAL OCCUPANT LOAD			XXX OCC

OCCUPANT LOAD (ACTUAL)
VERIFY w/ OWNER

PLUMBING FIXTURE REQUIRED
OCCUPANCY___
XX / X = XX MEN AND XX WOMEN
XX / X PER XX FIRST XX THEN X PER XX = XX WATER CLOSETS FOR MEN
XX / X PER XX FIRST XX THEN X PER XX = XX WATER CLOSETS FOR WOMEN
XX / X PER XX FIRST XX THEN X PER XX = XX LAVATORIES FOR MEN
XX / X PER XX FIRST XX THEN X PER XX = XX LAVATORIES FOR WOMEN
XX / XX = XX DRINKING FOUNTAINS

OCCUPANCY___
XX / XX = XX MEN AND 28 WOMEN
XX / XX = XX WATER CLOSETS FOR MEN
XX / XX = XX WATER CLOSETS FOR WOMEN
XX / XX = XX LAVATORIES FOR MEN
XX / XX = XX LAVATORIES FOR WOMEN
XX / XX = XX DRINKING FOUNTAINS

TOTAL PLUMBING FIXTURES REQUIRED
XX (X) WATER CLOSETS FOR MEN
XX (X) WATER CLOSETS FOR WOMEN
XX (X) LAVATORIES FOR MEN
XX (X) LAVATORIES FOR WOMEN
XX (X) DRINKING FOUNTAINS

PLUMBING FIXTURE PROVIDED
(X) WATER CLOSETS FOR WOMEN
(X) LAVATORIES FOR WOMEN
(X) WATER CLOSETS AND (2) URINAL FOR MEN
(X) LAVATORIES FOR MEN
(X) HI/LOW DRINKING FOUNTAIN
(X) SERVICE SINK

PROJECT LOCATION:
ADDRESS
SUITE:
CITY, STATE ZIP
MUICIPALITY
COUNTY

OCCUPANCY GROUP:
BUSINESS GROUP:
FACTORY GROUP:

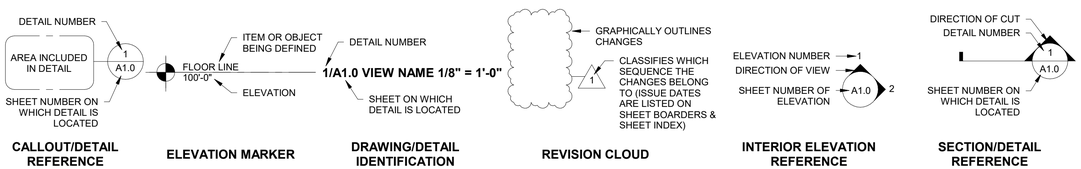
CONSTRUCTION TYPE:
EXISTING BULDING:
NEW BUILDING:

ALLOWABLE AREA CALCULATION
FIRE AREA #1:
OCCUPANCY ___, XXX SQ. FT.
TABULATED: XXX SQ. FT.
PERIMETER: XXX FT.
FRONTAGE: XXX FT.
FRONTAGE FACTOR: [(F__/P__)-0.25] = XXX
ALLOWABLE MODIFIED AREA:
XXX + (XXX x XXX) = XXX SQ. FT.
ALLOWABLE AREA RATIO: XXX

FIRE AREA #2:
OCCUPANCY ___, XXX SQ. FT.
TABULATED: XXX SQ. FT.
PERIMETER: XXX FT.
FRONTAGE: XXX FT.
FRONTAGE FACTOR: [(F__/P__)-0.25] = XXX
ALLOWABLE MODIFIED AREA:
XXX + (XXX x XXX) = XXX SQ. FT.
ALLOWABLE AREA RATIO: XXX

SUM OF ALLOWABLE AREA RATIOS: XXX
ALLOWABLE HEIGHT:
ALLOWABLE STORY(S):

SYMBOLS LEGEND



CALLOUT/DETAIL REFERENCE | **ELEVATION MARKER** | **DRAWING/DETAIL IDENTIFICATION** | **REVISION CLOUD** | **INTERIOR ELEVATION REFERENCE** | **SECTION/DETAIL REFERENCE**

1/9/2023 12:35:44 PM

BAYLAND

BAYLAND BUILDINGS
P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED PROJECT FOR:
GRIFFIN ARMAMENT
WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS, WORK OR BUILDING REPRESENTED, CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 22-5181
PROJECT EXECUTIVE: MATT RITTER
DRAWN BY: CMP / LJP
DATE: 01-09-23

Revision Schedule

Rev. No.	Revision Description	Rev. Date

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

TITLE SHEET

T1.0

COMcheck Software Version 4.1.5.1

Envelope Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	
Location:	Watertown, Wisconsin
Climate Zone:	6a
Project Type:	Addition
Vertical Glazing / Wall Area:	7%

Construction Site: Owner/Agent: Designer/Contractor:

Building Area	Floor Area
1-Main Addition (Manufacturing Facility) : Nonresidential	28661
2-Firing Range (Manufacturing Facility) : Nonresidential	3232

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor$_{alt}$
Roof 1: Other Metal Building Roof, [Bldg. Use 1 - Main Addition] (b)	28661	---	---	0.030	0.031
Roof 2: Insulation Entirely Above Deck, [Bldg. Use 2 - Firing Range]	3232	---	34.8	0.028	0.032
Floor 1: Slab-On-Grade Unheated, Horizontal with vertical 2 ft., [Bldg. Use 1 - Main Addition] (d)	1024	---	1.8	0.720	0.540
NORTH					
Exterior Wall 1: Other Metal Building Wall, [Bldg. Use 1 - Main Addition] (b)	1154	---	---	0.049	0.052
Window 4: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	122	---	---	0.290	0.360
Exterior Wall 5: Solid Concrete:10" Thickness, Medium Density, Furring: None, [Bldg. Use 2 - Firing Range]	454	---	15.0	0.057	0.080
Exterior Wall 9: Steel-Framed, 16" o.c., [Bldg. Use 1 - Main Addition]	871	19.0	0.0	0.109	0.064
Window 5: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	198	---	---	0.290	0.360
Door 4: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	42	---	---	0.400	0.770
existing wall: Other Metal Building Wall, [Bldg. Use 1 - Main Addition] (b)	1365	---	---	0.049	0.052
existing wall: Other Metal Building Wall, [Bldg. Use 1 - Main Addition] (b)	2300	---	---	0.049	0.052
EAST					
Exterior Wall 2: Other Metal Building Wall, [Bldg. Use 1 - Main Addition] (b)	5367	---	---	0.049	0.052
Window 1: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	284	---	---	0.290	0.360
Door 1: Insulated Metal, Swinging, [Bldg. Use 1 - Main Addition]	42	---	---	0.290	0.370
Door 2: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Main Addition]	100	---	---	0.170	0.179

Project Title: Report date: 12/05/22
Data filename: M:\Matt\Const\22-5181 Griffin Armament\07 Calcs\22-5181_GriffinArmament.cck Page 1 of 9

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor$_{alt}$
Exterior Wall 10: Steel-Framed, 16" o.c., [Bldg. Use 1 - Main Addition]	38	19.0	0.0	0.109	0.064
SOUTH					
Exterior Wall 3: Other Metal Building Wall, [Bldg. Use 1 - Main Addition] (b)	3871	---	---	0.049	0.052
Window 2: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	162	---	---	0.290	0.360
Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Main Addition]	21	---	---	0.290	0.370
WEST					
Exterior Wall 4: Other Metal Building Wall, [Bldg. Use 1 - Main Addition] (b)	3657	---	---	0.049	0.052
Window 3: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	454	---	---	0.290	0.360
Door 5 copy 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	21	---	---	0.400	0.770
Exterior Wall 6: Solid Concrete:10" Thickness, Medium Density, Furring: None, [Bldg. Use 2 - Firing Range]	2470	---	15.0	0.057	0.080
Door 3 copy 1: Insulated Metal, Swinging, [Bldg. Use 2 - Firing Range]	21	---	---	0.290	0.370
Exterior Wall 11: Steel-Framed, 16" o.c., [Bldg. Use 1 - Main Addition]	2340	19.0	0.0	0.109	0.064
Window 6: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	344	---	---	0.290	0.360
Door 5: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID direct set, SHGC 0.23, [Bldg. Use 1 - Main Addition] (c)	42	---	---	0.400	0.770

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.3% better than code

Envelope Compliance Statement

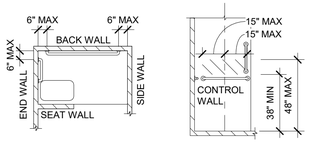
Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: Report date: 12/05/22
Data filename: M:\Matt\Const\22-5181 Griffin Armament\07 Calcs\22-5181_GriffinArmament.cck Page 2 of 9

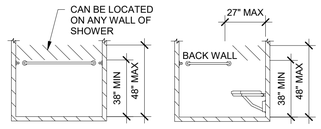
1. ALL NEW CONTROLS FOR USE BY OCCUPANTS SHALL BE MOUNTED BETWEEN 15" A.F.F. MIN. TO 48" A.F.F. MAX. TO TOP EDGE OF OPERATING COMPONENT AND PROVIDE A CLEAR FLOOR SPACE OF 30"x48" AT CONTROLS, OUTLETS, FIXTURES, ETC. CONTROLS LOCATED OVER AN OBSTRUCTION DEEPER THAN 10" MUST BE MOUNTED NO HIGHER THAN 46" A.F.F. ACCESSIBLE CONTROLS MUST NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. ALL CONTROLS SHALL COMPLY WITH THE CURRENT ADA STANDARDS IN TYPE AND INSTALLATION.
2. TAKE MEASURES TO ENSURE THAT EXPOSED EDGES OF CARPET (INCLUDING FLOOR MATS) ARE SECURELY ATTACHED, FASTENED OR WEIGHTED DOWN TO THE FLOOR WITH TRIM ALONG ENTIRE LENGTH OF ALL EDGES.
3. ALL NEW DOORS ALONG THE PATH OF TRAVEL SHALL NOT REQUIRE MORE THAN 5 POUND OF FORCE TO PUSH/PULL OPEN DOORS PER CURRENT ADA STANDARDS
4. CONTRACTOR TO CONTRACT WITH PROPERTY'S LIFE SAFETY VENDOR TO FURNISH, INSTALL, AND/OR RELOCATE VISUAL ALARM DEVICES, IF REQUIRED. DEVICES SHALL BE MOUNTED TO 80" A.F.F. TO CENTER OF BOTTOM OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER, UNLESS INDICATED OTHERWISE. DEVICES SHALL COMPLY WITH CURRENT ADA STANDARDS, NFPA 72 AND LOCAL/STATE CODES.
5. ALL FINISHES , INCLUDING FLOOR FINISHES, SHALL COMPLY WITH CURRENT ADA STANDARDS IN TYPE AND INSTALLATION
6. FURNITURE CONFIGURATIONS AT PUBLIC SPACES SHALL FOLLOW THE CLEAR FLOOR SPACE AND CIRCULATION SPACE REQUIREMENTS PER 2010 ADA STANDARDS. SEE ADDITIONAL NOTES THIS SHEET FOR ADDITIONAL INFORMATION AND CLARIFICATIONS
7. ALL PUBLIC RESTROOM FIXTURES, ACCESSORIES, ETC. SHALL BE ADA COMPLIANT IN TYPE AND INSTALLATION PER CURRENT ADA STANDARDS. SEE NOTES, ELEVATIONS/DETAILS, AND FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION AND SPECS.
8. NOTE THAT ALL ADA INSTALLATION RANGES (i.e. WATER CLOSET DIMENSIONS) AS INDICATED ON THESE DRAWINGS ARE PER CURRENT ADA STANDARDS. LOCAL AND STATE CODES MAY CONFLICT. G.C. SHALL VERIFY DURING PERMIT PROCESS AND/OR PRE-CONSTRUCTION DISCUSSION WITH LOCAL AUTHORITIES.
9. GC SHALL COORDINATE WITH PROPERTY SIGNAGE VENDOR TO PROVIDE NEW ADA COMPLIANT SIGNAGE AT ACCESSIBLE DOORS.
10. NEW ROOM I.D. AND/OR DIRECTIONAL SIGNAGE SHALL BE TACTILE TYPE MOUNTED AT 48" A.F.F. TO THE BASELINE OF THE LOWEST TACTILE CHARACTERS AND 60" A.F.F. TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER. SIGNAGE TO BE LOCATED AT THE LATCH SIDE OF DOOR, IF THERE IS NO WALL SPACE AT THE LATCH SIDE OF DOOR THEN SIGNAGE SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNAGE AT DOUBLE DOORS WITH INACTIVE LEAF SHALL BE LOCATED ON THE INACTIVE LEAF. DOUBLE DOORS WITH TWO ACTIVE LEAFS, LOCATE SIGNAGE TO THE RIGHT OF THE RIGHT HAND DOOR PER CURRENT ADA STANDARDS.
11. BRAILLE ON SIGNAGE SHALL BE CONTRACTED (GRADE 2) BRAILLE DOTS SHALL HAVE DOMED OR ROUNDED SHAPE. THERE SHOULD BE A MIN. OF 3/8" BETWEEN BRAILLE AND ANY OTHER RAISED CHARACTER, BORDER OR ELEMENT PER CURRENT ADA STANDARDS.
12. ALL OBJECTS MOUNTED BETWEEN 27" A.F.F. AND 80" A.F.F. SHALL NOT PROTRUDE MORE THAN 4" FROM THE FACE OF THE WALL PER CURRENT ADA STANDARDS.

7 /A0.1 ADA GENERAL CONSTRUCTION NOTES N.T.S.



GRAB BARS IN ALTERNATE ROLL-IN-TYPE SHOWERS

TRANSFER-TYPE SHOWER CONTROL AND HANDSHOWERS LOCATION



(a) WITHOUT SEAT (b) WITH SEAT

STANDARD ROLL-IN-TYPE SHOWER CONTROL AND HANDSHOWER LOCATION

8 /A0.1 BATHTUB / SHOWER GRAB BAR & SEAT REQ. N.T.S.

1. ICC/ANSI A117.1 Sec. 608.2.1 SHOWER COMPARTMENTS. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES WIDE BY 36 INCHES DEEP INSIDE FINISHED DIMENSIONS AND SHALL HAVE A MINIMUM 36 INCH WIDE ENTRY ON THE FACE OF THE COMPARTMENT. THE CLEARANCE IN FRONT OF THE COMPARTMENT SHALL BE 48 INCHES LONG MINIMUM MEASURED FROM THE CONTROL WALL AND 36 INCHES WIDE.
2. ICC/ANSI A117.1 Sec. 608.3.1 IN TRANSFER-TYPE SHOWERS, GRAN BARS, SHALL BE PROVIDED ACROSS THE CONTROL WALL AND ON THE BACK WALL TO A POINT 18 INCHES FROM THE CONTROL WALL.
3. ICC/ANSI A117.1 Sec. 608.8 SHOWER ENCLOSURES SHALL NOT OBSTRUCT THE CONTROLS OR THE TRANSFER FROM A WHEELCHAIR ONTO THE SEAT. ALSO SEE SECTION 608.2.1 THROUGH 608.2.3 FOR OPENING SIZE
4. ICC/ANSI A117.1 Sec. 609 GRAB BARS SHALL HAVE A DIAMETER BETWEEN 1 1/4 INCHES AND 2 INCHES TO PROVIDE GRASP ABILITY. GRAB BARES SHALL BE 1 1/2 INCHES FROM THE WALL SURFACE AND LOCATED HORIZONTALLY AT 33 INCHES TO 36 INCHES ABOVE THE FINISH FLOOR.

9 /A0.1 SHOWER COMPARTMENTS REQ. N.T.S.

IBC 1210.2 FLOORS AND WALL BASES. IN OTHER THAN DWELLING UNITS, TOILET, BATHING AND SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE SMOOTH, HARD NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALL NOT LESS THAN 4 INCHES.

1210.2.2 WALLS AND PARTITIONS. WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALL SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. ACCESSORIES SUCH AS GRAB BARS, TOWEL BARS, PAPER DISPENSERS AND SOAP DISHES, PROVIDED ON OR WITHIN WALLS, SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.

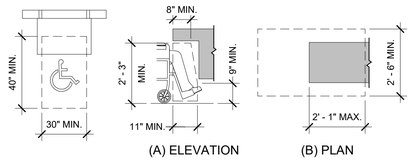
ICC A117.1 606.6 WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIRMED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

10 /A0.1 BATHROOM REQUIREMENTS N.T.S.

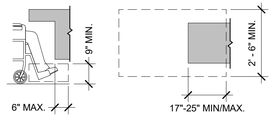
IBC 1013.1 EXIT SIGNS

EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS SHALL BE MARKED BY EXIT SIGNS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN AN EXIT ACCESS CORRIDOR OR EXIT PASSAGEWAY IS MORE THAN 100 FEET OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN. THE SYMBOL TO DENOTE AN EXIT SIGN LOCATION IS THAT OF A CIRCLE CONTAINING AN "X".

4 /A0.1 EXIT SIGNS N.T.S.



(A) ELEVATION (B) PLAN



(A) ELEVATION (B) PLAN

SALES & SERVICE COUNTER (ICC ANSI A117.1)

904.3.1 PARALLEL APPROACH. A PORTION OF THE COUNTER SURFACE 36 INCHES MINIMUM IN LENGTH AND 36 INCHES MAXIMUM IN HEIGHT ABOVE THE FLOOR SHALL BE PROVIDED. WHERE THE COUNTER SURFACE IS LESS THAN 36 INCHES IN LENGTH, THE ENTIRE COUNTER SURFACE SHALL BE 36 INCHES MAXIMUM IN HEIGHT ABOVE THE FLOOR. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FOR A PARALLEL APPROACH ADJACENT TO THE ACCESSIBLE COUNTER, SHALL BE PROVIDED.

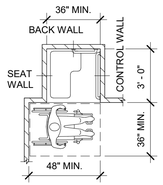
904.3.2 FORWARD APPROACH. A PORTION OF THE COUNTER SURFACE 30 INCHES MINIMUM IN LENGTH AND 36 INCHES MAXIMUM IN HEIGHT ABOVE THE FLOOR SHALL BE PROVIDED. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FOR A FORWARD APPROACH TO THE ACCESSIBLE COUNTER, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED UNDER THE ACCESSIBLE COUNTER.

DINING SURFACES AND WORK SURFACES (ICC ANSI A117.1)

902.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FOR A FORWARD APPROACH, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED.

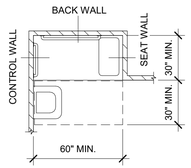
902.4 HEIGHT. THE TOPS OF DINING SURFACES AND WORK SURFACES SHALL BE 28 INCHES MINIMUM AND 34 INCHES MAXIMUM IN HEIGHT ABOVE THE FLOOR.

5 /A0.1 SERVICE, DINING, & WORKSURFACE COUNTERS N.T.S.



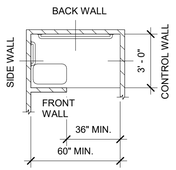
NOTE:
INSIDE FINISH DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES

TRANSFER-TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE



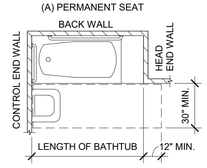
NOTE:
INSIDE FINISH DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES

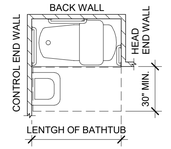
STANDARD ROLL-IN-TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE



NOTE:
INSIDE FINISH DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES

ALTERNATE ROLL-IN-TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE





(B) REMOVABLE IN-TUB SEAT

6 /A0.1 SHOWER & BATHTUB CLEARANCES N.T.S.

1. ANY DEVIATION FROM PLANS SHALL HAVE BEEN CONSULTED WITH AND DOCUMENTED BY THE SUPERVISING PROFESSIONAL OF RECORD.
2. THIS IS A DESIGN-BUILD PROJECT. ALL MATERIALS, WORKMANSHIP AND DETAILS SHALL CONFORM TO INDUSTRY STANDARDS. THE SUBCONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SPECIFICATIONS REFERENCED HEREIN AND SHALL CLARIFY ANY DISCREPANCIES WITH BAYLAND BUILDINGS, INC. PRIOR TO BEGINNING WORK.
3. NON-CONTRACT ITEMS MAY APPEAR ON THESE PLANS THAT ARE DONE BY OTHERS AND ARE NOT PART OF THE BAYLAND BUILDINGS, INC. CONTRACT.
4. PLUMBING, ELECTRICAL, & MECHANICAL CONTRACTORS
THIS IS A DESIGN BUILD PROJECT. EACH SUBCONTRACTOR SHALL PROVIDE PLANS TO THE PROJECT MANAGER AND THE SUPERVISING PROFESSIONAL FOR REVIEW PRIOR TO THE PLANS BEING SUBMITTED TO THE AUTHORITY HAVING JURISDICTION (AHJ). EACH SUBCONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS AT THE JOB SITE TO RECORD ANY CHANGES TO THE DESIGN. THIS DRAWING OF RECORD AND THE AHJ APPROVED PLANS SHALL BE TURNED OVER TO THE PROJECT MANAGER AT THE END OF THE PROJECT.
5. ALL MATERIALS, WORKMANSHIP AND DETAILS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE COMMERCIAL BUILDING CODE.
6. SUBCONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS TO VERIFY THE LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, REGLETS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AND NOTIFY THE SUPERVISING PROFESSIONAL OF RECORD OF ANY DISCREPANCIES.

7. THE TYPICAL DETAILS SHOWN ON THE DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE CONTRACT DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.

1 /A0.1 GENERAL REQUIREMENTS N.T.S.

A.B.('s)	anchor bolt (s)	HDR	header
A/C	air conditioning	HORZ	horizontal
AC.T	acoustical tile	HSS	hollow structural section
AFF	above finished floor	HT	height
ALT	alternate	HVAC	heating, ventilating & a/c
ALUM	aluminum		
ARCH	architectural	ID	inside diameter
ASPH	asphalt	INSUL	insulation
		INT	interior
B.BD	base board		
BBP	block between purlins	JST(S)	joist(s)
B-FD	bi-folding		
BD(S)	board(s)	K.O.	knockout
BIT	bituminous		
BLDG	building	L	angle
BLK(G)	block(ing)	LAM	laminate(d)
BM	bench mark or beam	LAV	lavatory
BR	brace	L.L.H.	long leg horiz..
BRG	bearing	L.L.V.	long leg vertical
BRK	brick	LTG	lighting
B.S.	both sides		
BSMT	basement	MECH	mechanical
		MH	manhole
CL	centerline	MISC	miscellaneous
C	channel	M.O.	masonry opening
CB	catch basin		
C.H.	ceiling height	N.I.C.	not in contract
C.J.	control joint	N.T.S.	not to scale
CLG	ceiling		
CLR	clear	O.A.	overall
CMU	concrete masonry unit	O.C.	on center
COL	column	O.D.	outside diameter
CONC	concrete	O.H.	overhead
CONN	connection(s)	O/O	out to out
CONST	construction	OPG	opening
CONT	continue(uous)	OPP	opposite
CPT	carpet		
C.T.	ceramic tile	PEMB	pre-engineered metal building
CVR	cont. vented ridge	PERI	perimeter
CYD	cubic yard	PL	property line
		PLWD	plywood
d	penny	PPE	polypropylene
DBL	double	PSF	pounds per square foot
D.F.	drinking fountain	PSI	pounds per square inch
DIA	diameter	P.T.	pressure treated
DIAG	diagonal	PTN	partition
DIM	dimension	PVC	polyvinyl chloride
DN	down	PVMT	pavement
DR	door		
DS	downspout	R	radius
		RECP	receptacles
E.E.	each end	REM	remove
EIFS	ext. insul. & finish system	REV	revise(on)(s)(d)
ELEC	electric(al)	RH	right hand
ELEV	elevation	RM	room
EQ	equal	R.O.	rough opening
EQPT	equipment	R.O.W.	right of way
EQV	equivalent	RQ'D	required
E.W.	each way		
EXG	existing	SCH	schedule
EXP	exposed	SGL	single
EXT	exterior	S.O.G.	slab on grade
		SQ	square
F.A.	fire alarm	STAG	staggered
F.D.	floor drain	STD	standard
FE	fire extinguisher	STL	steel
FEC	fire exiting. w/ cabinet	STR	structural
FFE	finished floor elevation		
FLR(G)	floor(ing)	TB	thermal broke
FNDN	foundation	T&B	top and bottom
F.O.C.	face of concrete	T&G	tongue and groove
F.O.M.	face of masonry	T.O.M.	top of masonry
F.O.S.	face of studs	T.O.S.	top of steel
FT	foot	T.O.S.J.	top of steel joist
FTG	footing	T.O.W.	top of wall
		T.S.	tube steel
GA	gauge	TYP	typical
GYP	gypsum		
HC	handicapped	U.N.O.	unless noted otherwise
		UTIL	utility
		V.B.	vapor barrier
		V.C.T.	vinyl composition tile
		W.I.C.	walk in closet
		WH	water heater
		WWF	welded wire fabric

2 /A0.1 ABBREVIATIONS N.T.S.

MEANS OF EGRESS ILLUMINATION (IBC 1008)
ILLUMINATION LEVEL UNDER NORMAL POWER. THE MEANS OF EGRESS ILLUMINATION LEVEL WHICH SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE DURING ALL PERIODS OF OCCUPANCY, UNLESS MEETING THE EXCEPTION FOR AISLES IN ASSEMBLY USES AND SELECT SLEEPING AND DWELLING UNITS. IN THE EVENT OF POWER SUPPLY FAILURE IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE AISLES, CORRIDORS, AND EXIT ACCESS STAIRWAYS AND RAMPS

FIRE EXTINGUISHERS (IBC 906)
PORTABLE FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH IBC 906 AND NFPA 10. FOR OCCUPANCIES OF ORDINARY HAZARD THE MAX. TRAVEL DISTANCE TO A FIRE EXTINGUISHER IS 75'.

3 /A0.1 EGRESS LIGHTING & FIRE EXTINGUISHERS N.T.S.

BAYLAND BUILDINGS
P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT.
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS, WORK OR BUILDING REPRESENTED, CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

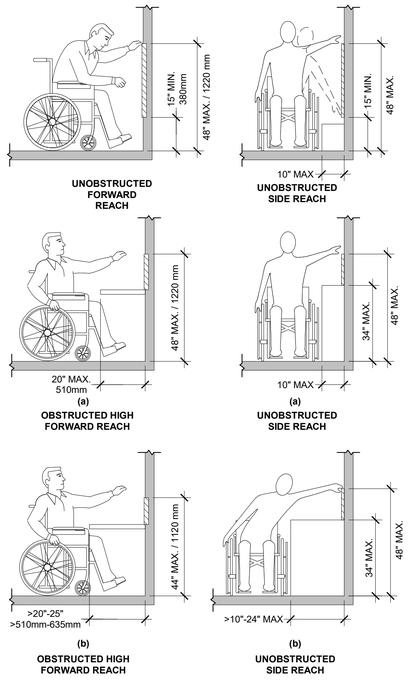
REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
[ ] PRELIMINARY		
[ ] BID SET		
[ ] DESIGN REVIEW	MR/SM/LP	12/19/22
[X] CHECKSET		
[ ] CONSTRUCTION		

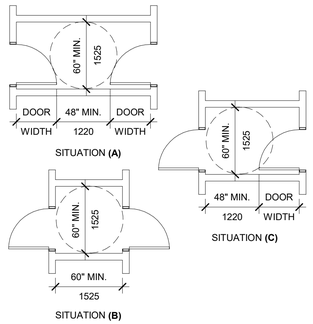
PLAN NOTES

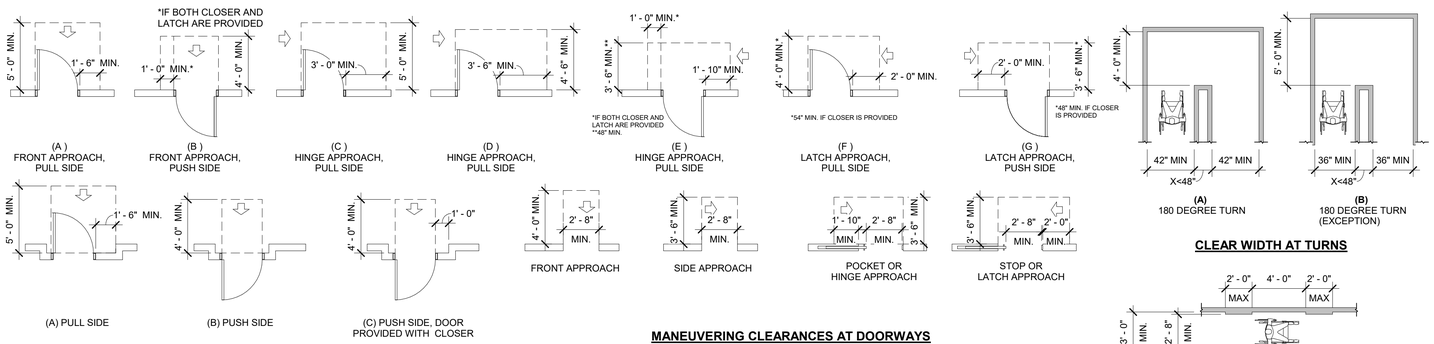
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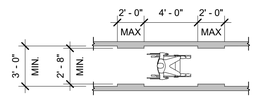
4 /A0.2 UNOBSTRUCTED REACH DETAILS N.T.S.





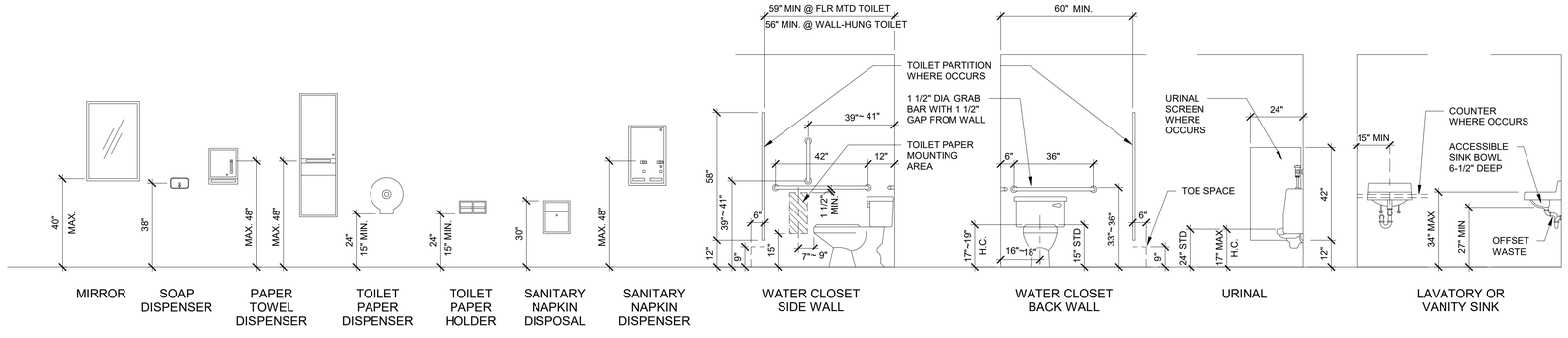
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS

CLEAR WIDTH AT TURNS

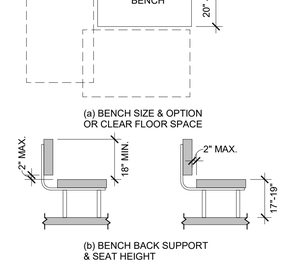


CLEAR WIDTH AT ACCESSIBLE ROUTE

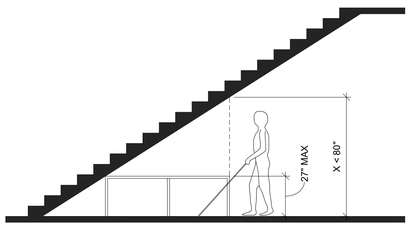
1 /A0.2 MANEUVERING CLEARANCES AT DOORS N.T.S.



4 /A0.2 UNOBSTRUCTED REACH DETAILS N.T.S.

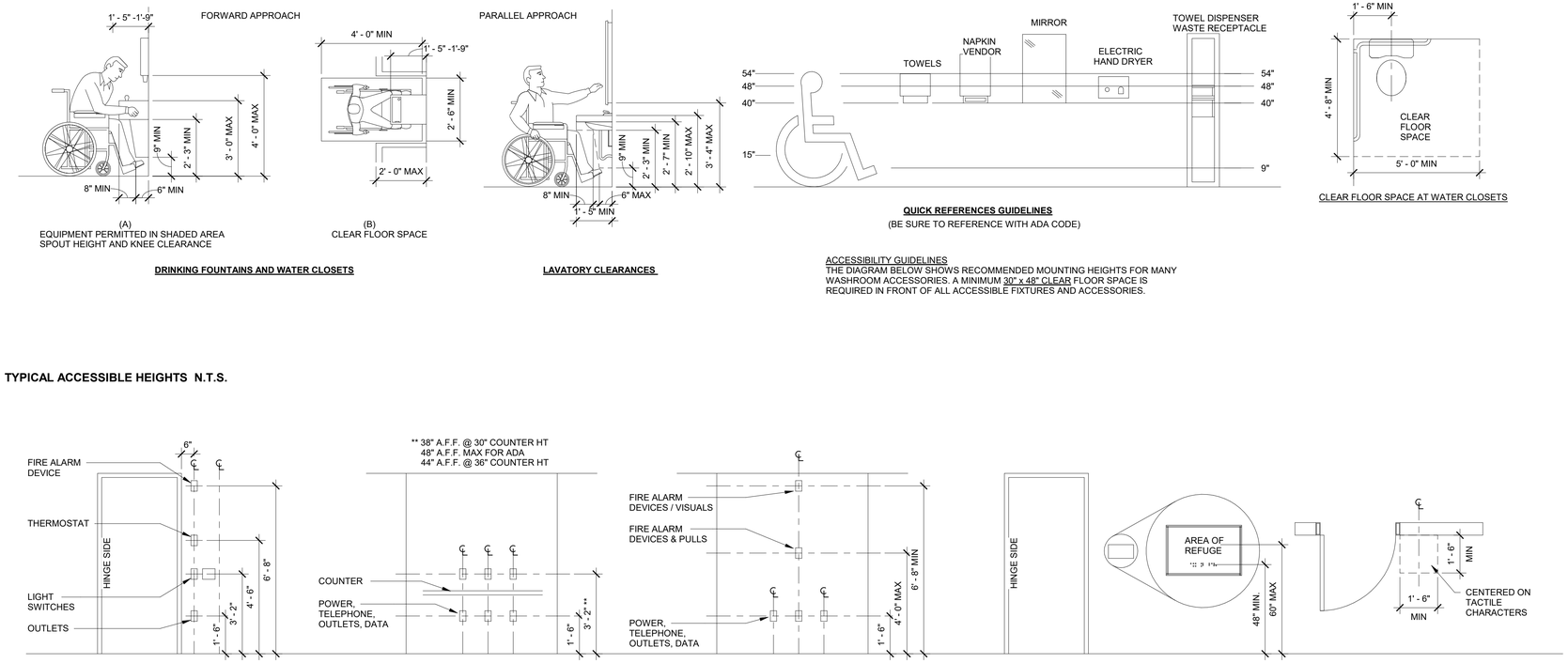


5 /A0.2 BENCHES AND LOCKER ROOM STORAGE N.T.S.



6 /A0.2 REDUCED VERTICAL CLEARANCE N.T.S.

2 /A0.2 TYPICAL ACCESSIBLE HEIGHTS N.T.S.



ACCESSIBILITY GUIDELINES
THE DIAGRAM BELOW SHOWS RECOMMENDED MOUNTING HEIGHTS FOR MANY WASHROOM ACCESSORIES. A MINIMUM 30" x 48" CLEAR FLOOR SPACE IS REQUIRED IN FRONT OF ALL ACCESSIBLE FIXTURES AND ACCESSORIES.

3 /A0.2 ADA - DEVICE MOUNTING HEIGHTS N.T.S.

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PROPOSED BUILDING FOR:
GRIFFIN ARMAMENT
WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
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ADJUST SCALE ACCORDINGLY

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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

REVISIONS:

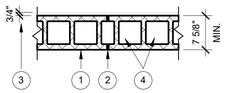
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☐ DESIGN REVIEW	MR/SM/LP	12/19/22
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☐ CONSTRUCTION		

PLAN NOTES

A0.2

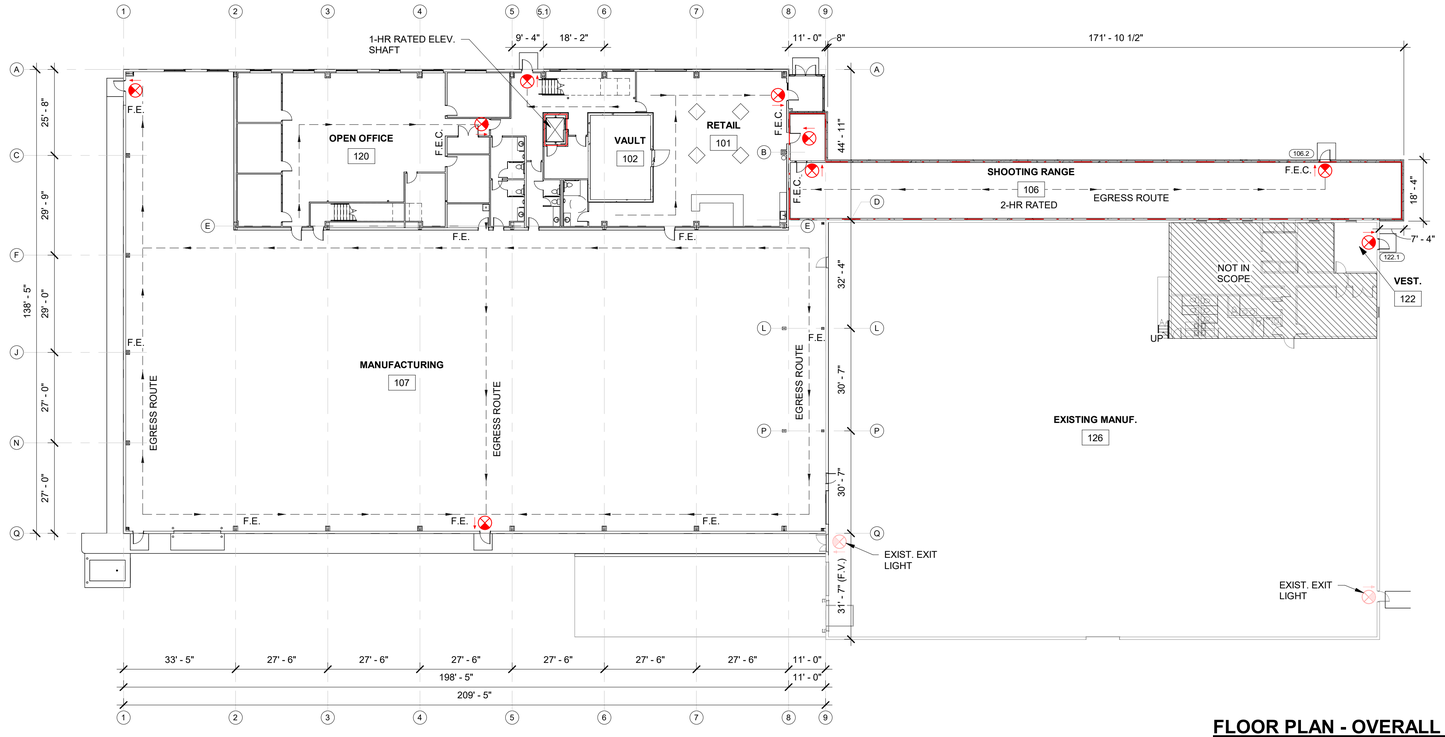
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1. CONCRETE BLOCKS* - VARIOUS DESIGNS. CLASSIFICATION C-3 (3 hr). SEE CONCRETE BLOCKS CATEGORY FOR LIST OF ELIGIBLE MANUFACTURES.
2. MORTAR - BLOCKS LAID IN FULL BED OF MORTAR, NOM. 3/8 in. THICK, OF NOT PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.
3. PORTLAND CEMENT STUCCO OR GYPSUM PLASTER - ADD 1/2 hr TO CLASSIFICATION IF USED. ATTACHED TO CONCRETE BLOCKS (ITEM 1).
4. LOOSE MASONRY FILL - IF ALL CORE SPACES ARE FILLED WITH LOOSE DRY EXPANDED SLAG, EXPANDED CLAY OR SHALE (ROTARY KILN PROCESS), WATER REPELLANT VERMICULITE MASONRY FILL INSULATION, OR SILICONE TREATED PERLITE LOOSE FILL INSULATION ADD 1 hr TO CLASSIFICATION.
5. FOAMED PLASTIC* - (OPTIONAL-NOT SHOWN) - 1 1/2 in. THICK MAX, 4 ft WIDE SHEATHING ATTACHED TO CONCRETE BLOCKS (ITEM 1).
BPB AMERICA INC BPB CELOTEX - TYPE THERMAX*BEARING THE UL CLASSIFICATION MARK



3-HR CONC. MASONRY WALL DESIGN NO. U904

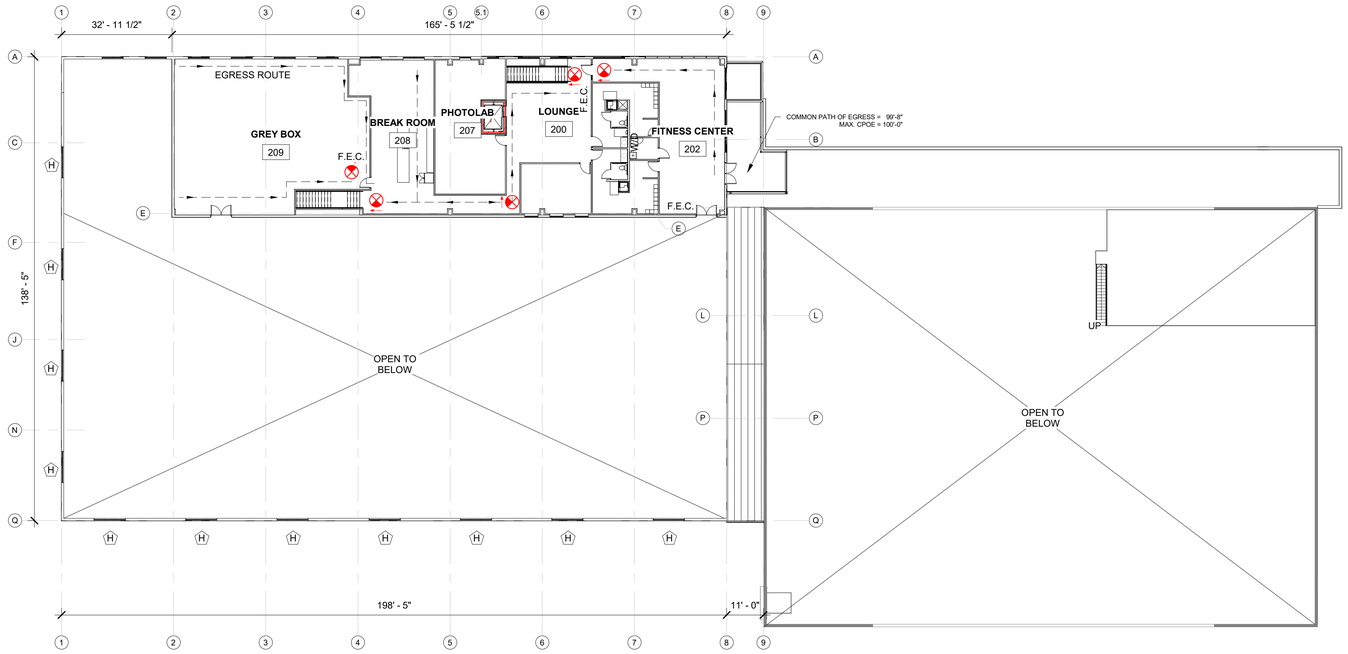
3 /A1.0 SCALE = 3/4" = 1'-0"



FLOOR PLAN - OVERALL PLAN

1 /A1.0 SCALE = 3/64" = 1'-0"

NORTH



FLOOR PLAN - SECOND FLOOR OVERALL

2 /A1.0 SCALE = 3/64" = 1'-0"

NORTH

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DRAWN BY: CMP / LJP

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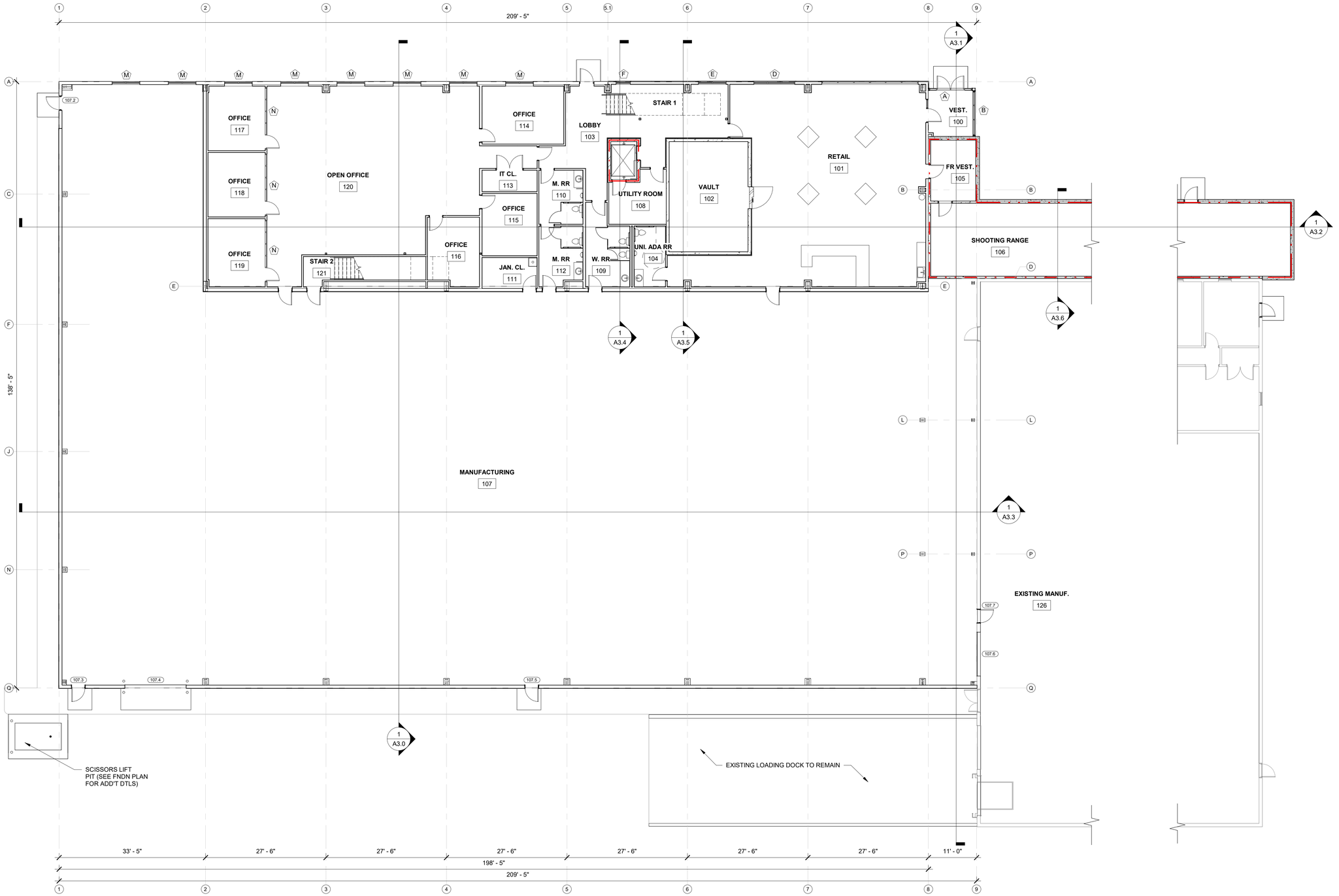
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OVERALL FLOOR PLANS

A1.0

1/9/2023 12:34:36 PM



FLOOR PLAN - FIRST FLOOR PLAN

1 /A1.1 SCALE = 3/32" = 1'-0"

NORTH

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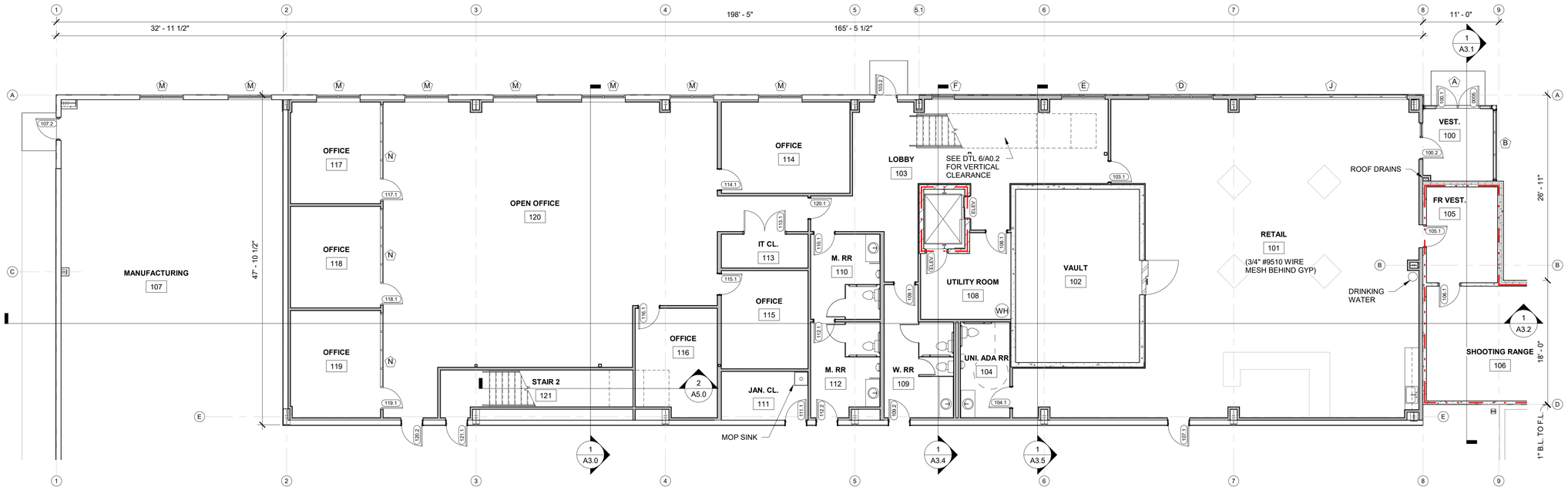
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☐ CONSTRUCTION		

FLOOR PLAN - FIRST FLOOR PLAN

A1.1

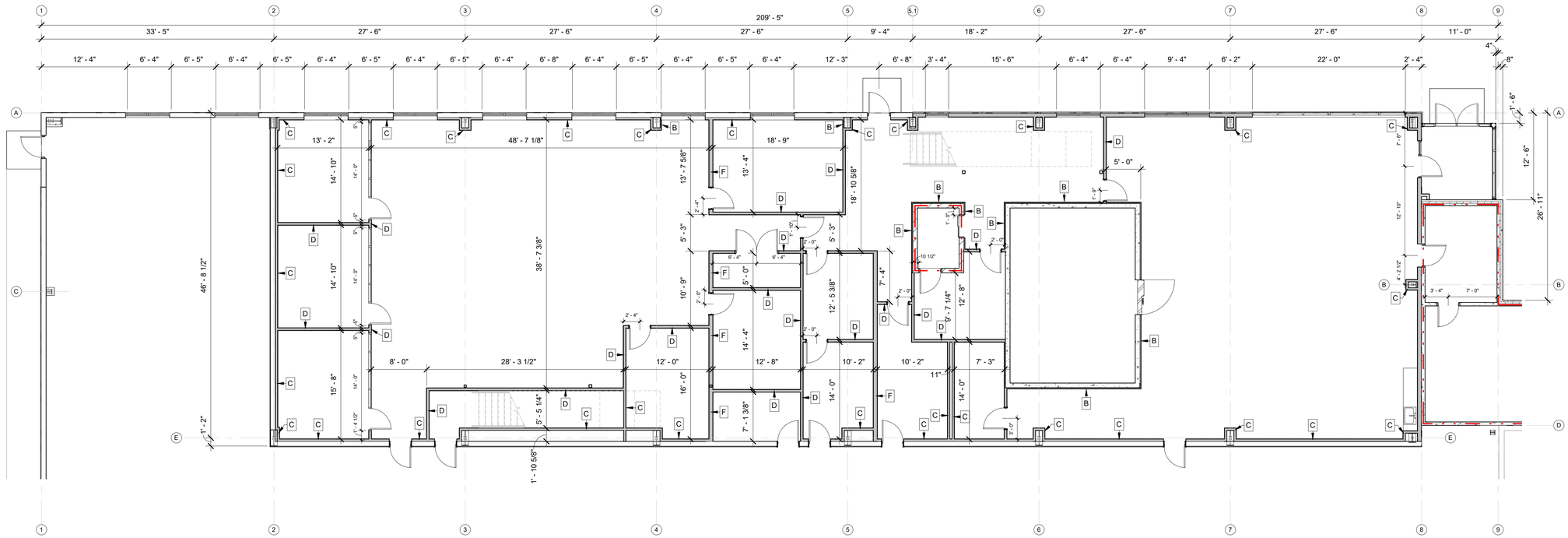
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ENLARGED PLAN - 1ST FLOOR OFFICE

1 /A1.2 SCALE = 1/8" = 1'-0"

NORTH



ENLARGED PLAN - 1ST FLOOR OFFICE DIMENSION

2 /A1.2 SCALE = 1/8" = 1'-0"

NORTH

1/9/2023 12:34:42 PM

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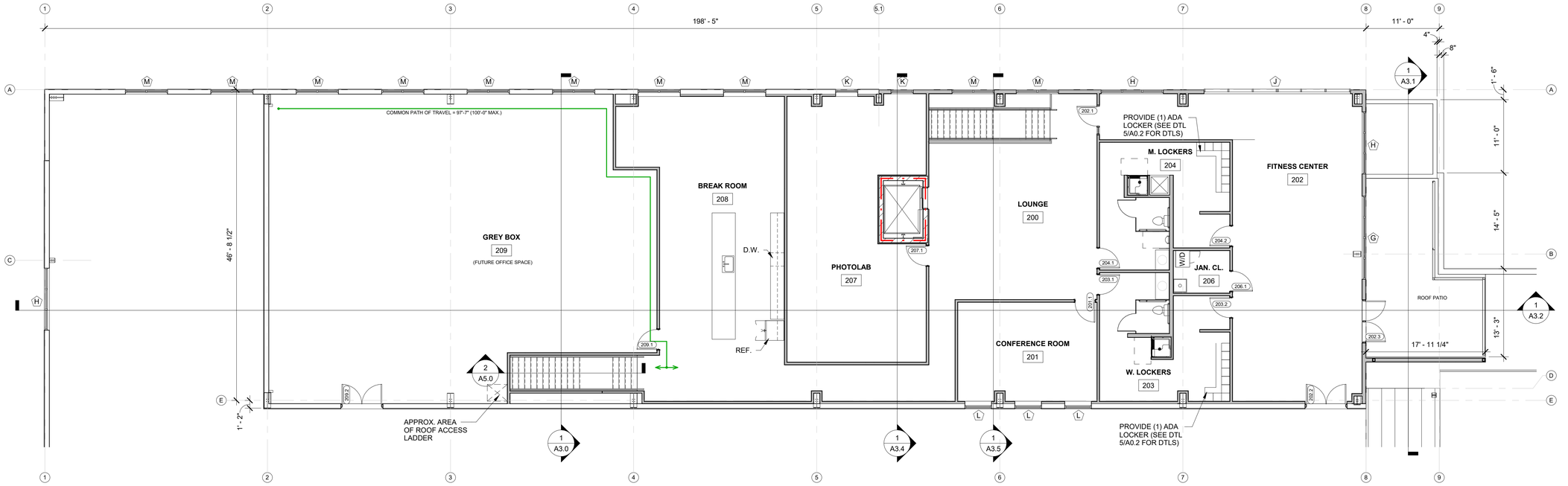
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FLOOR PLAN - 1ST FLOOR ENLARGED

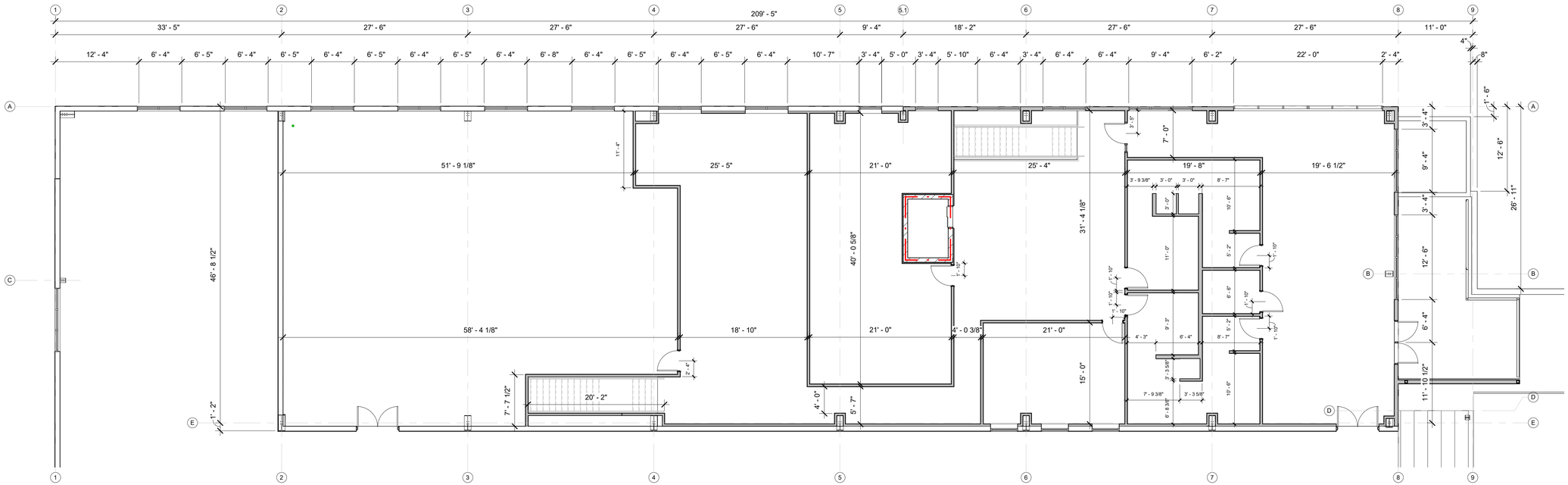
A1.2



ENLARGED PLAN - 2ND FLOOR OFFICE

1 /A1.3 SCALE = 1/8" = 1'-0"

NORTH



ENLARGED PLAN - 2ND FLOOR OFFICE DIMENSION

2 /A1.3 SCALE = 1/8" = 1'-0"

NORTH

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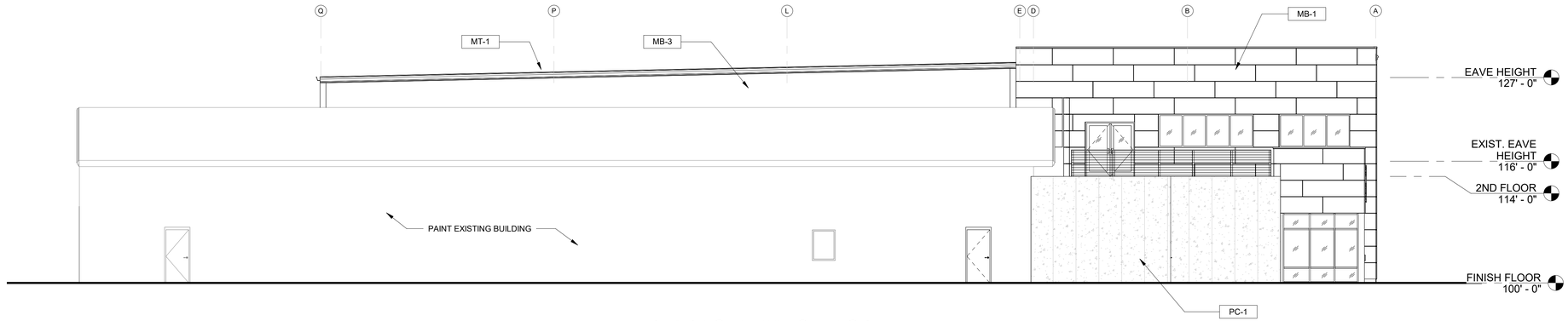
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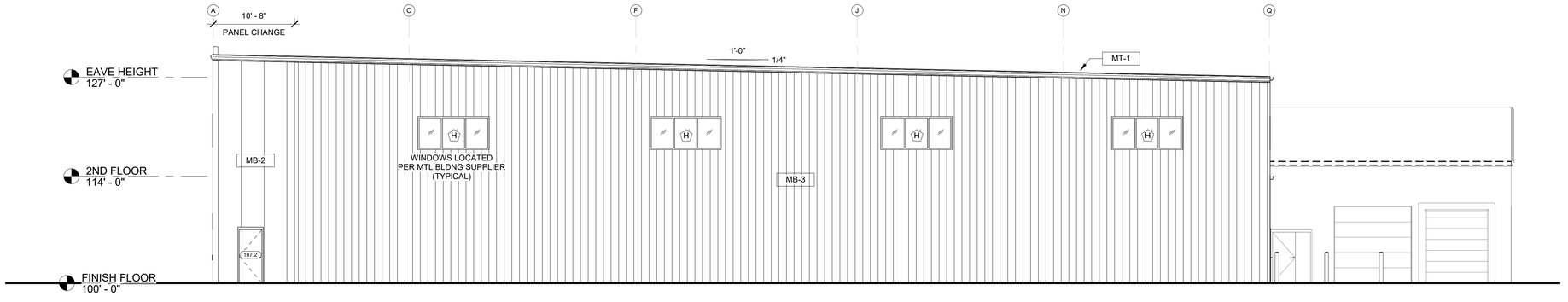
FLOOR PLAN - 2ND FLOOR ENLARGED

A1.3



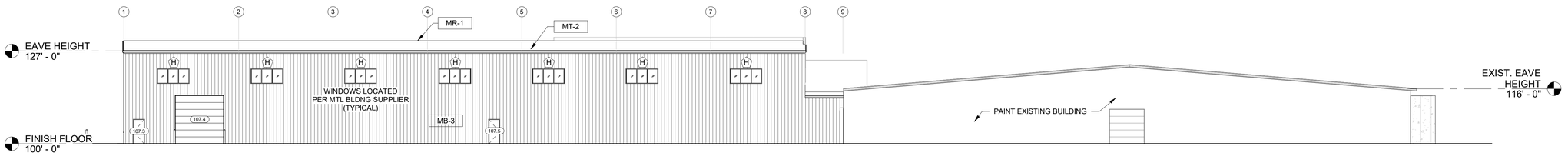
BUILDING ELEVATION - NORTH

3 /A2.0 SCALE = 1/8" = 1'-0"



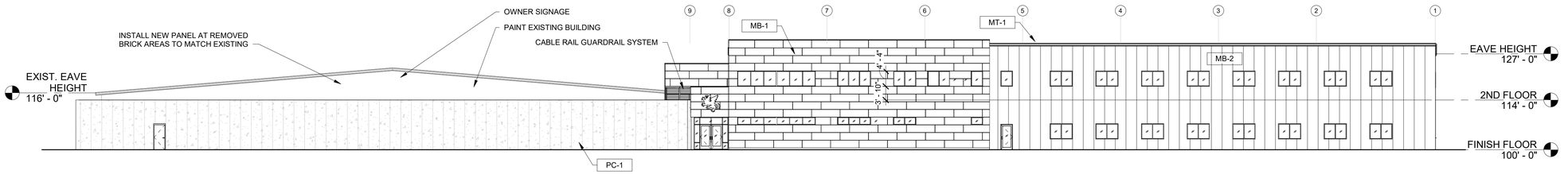
BUILDING ELEVATION - SOUTH

4 /A2.0 SCALE = 1/8" = 1'-0"



BUILDING ELEVATION - EAST

2 /A2.0 SCALE = 1/16" = 1'-0"



BUILDING ELEVATION - WEST

1 /A2.0 SCALE = 1/16" = 1'-0"

EXTERIOR FINISH LEGEND

MARK	DESCRIPTION
MB-1	MATERIAL: ACM PANEL SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MB-2	MATERIAL: 16" TEXTURECLAD PANEL SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MB-3	LOCATION: WALL PANEL MATERIAL: 26GA SEMI-CONCEALED SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MR-1	LOCATION: ROOF PANEL MATERIAL: 26GA SSR SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MT-1	LOCATION: FASCIA TRIMS & SOFFITS MATERIAL: VERIFY SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
MT-2	LOCATION: RAKE, GUTTERS & TRIMS MATERIAL: VERIFY SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:
PC-1	MATERIAL: PRECAST CONCRETE WALL PANELS SUPPLIER: VERIFY COLOR: VERIFY COMMENTS:

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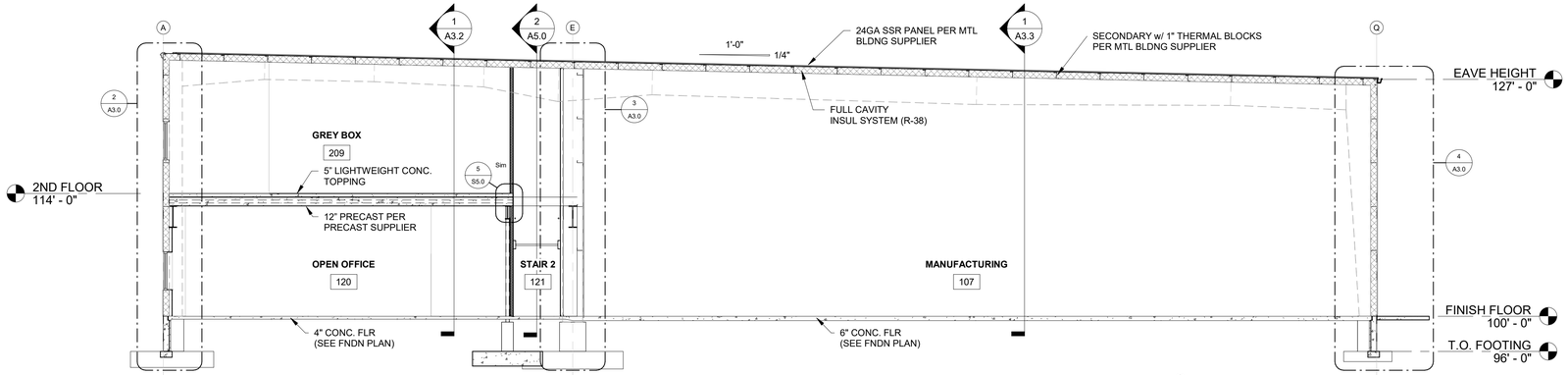
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EXTERIOR ELEVATIONS

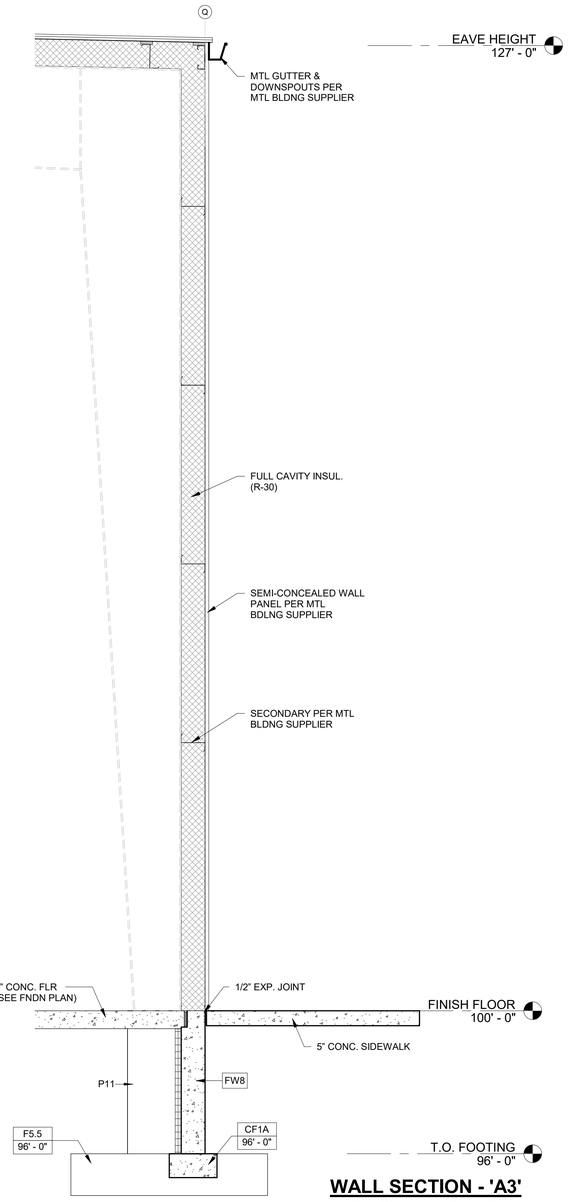
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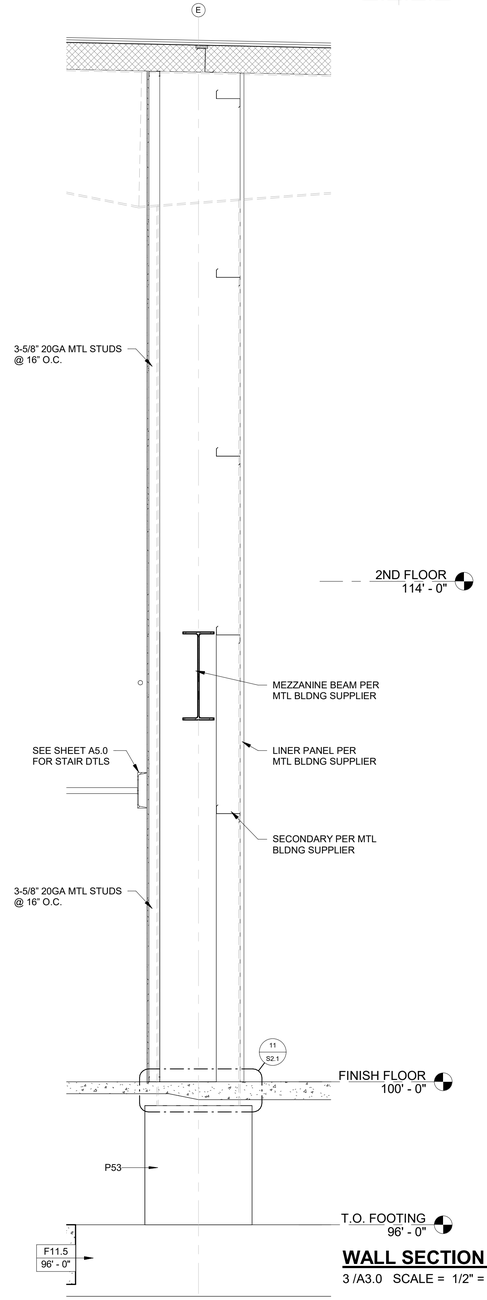
BUILDING SECTION - SECTION 'A'

1 /A3.0 SCALE = 1/8" = 1'-0"



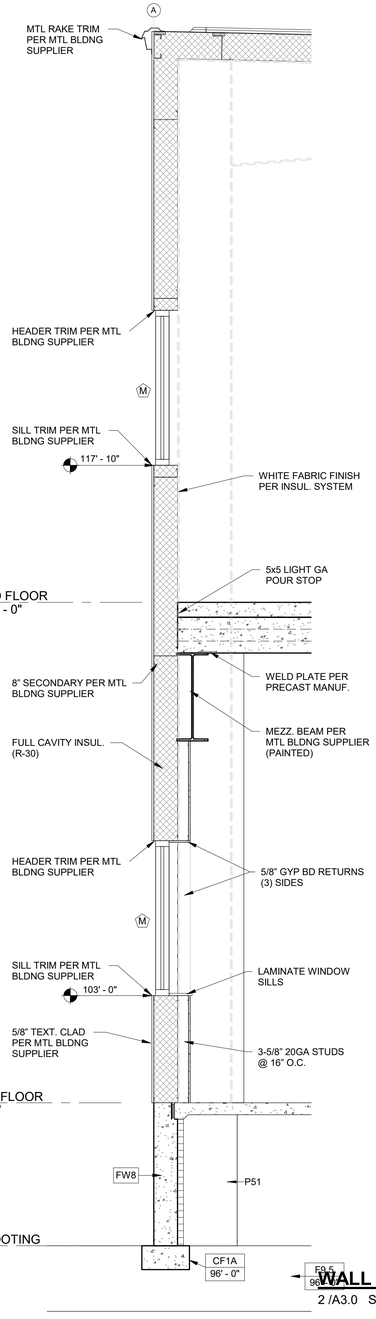
WALL SECTION - 'A3'

4 /A3.0 SCALE = 1/2" = 1'-0"



WALL SECTION - 'A2'

3 /A3.0 SCALE = 1/2" = 1'-0"



WALL SECTION - 'A1'

2 /A3.0 SCALE = 1/2" = 1'-0"

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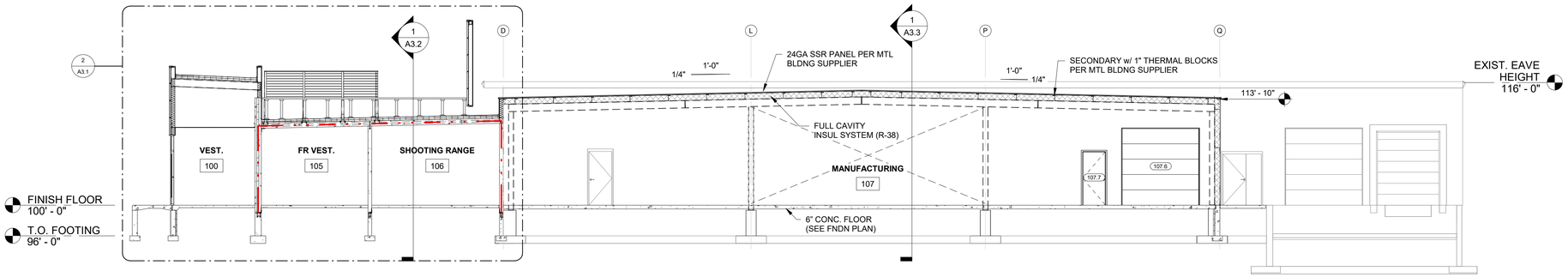
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BUILDING SECTIONS

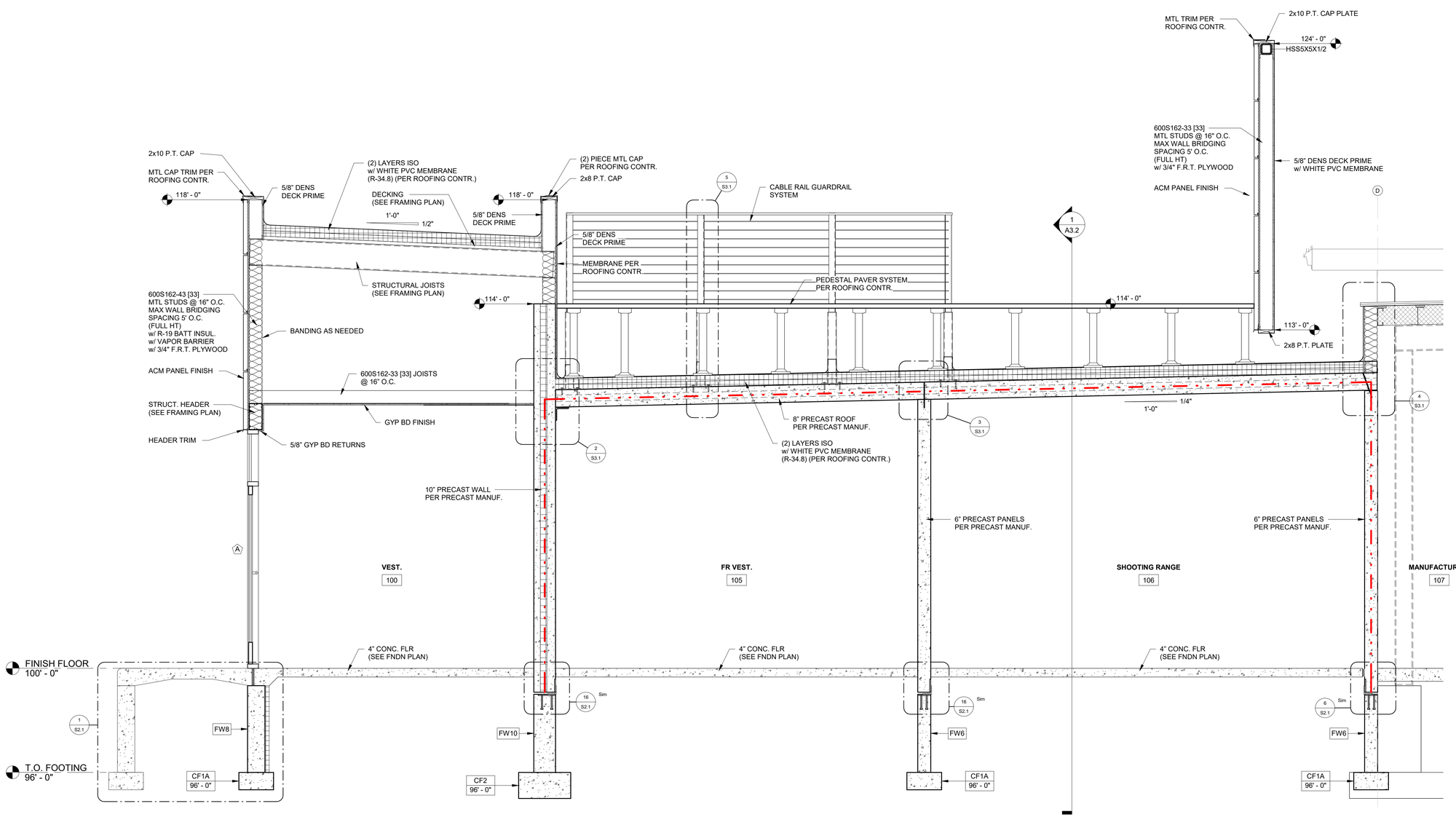
A3.0

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BUILDING SECTION - SECTION 'B'

1 /A3.1 SCALE = 1/8" = 1'-0"



ENLARGED DETAIL - SECTION 'B'

2 /A3.1 SCALE = 1/2" = 1'-0"

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P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

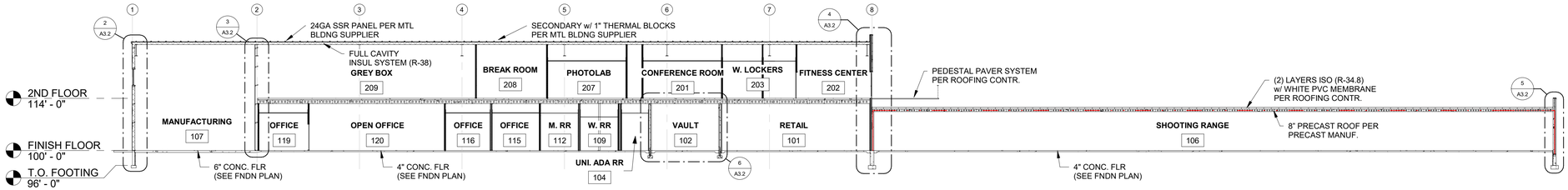
REVISIONS:

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☐ CONSTRUCTION		

BUILDING SECTIONS

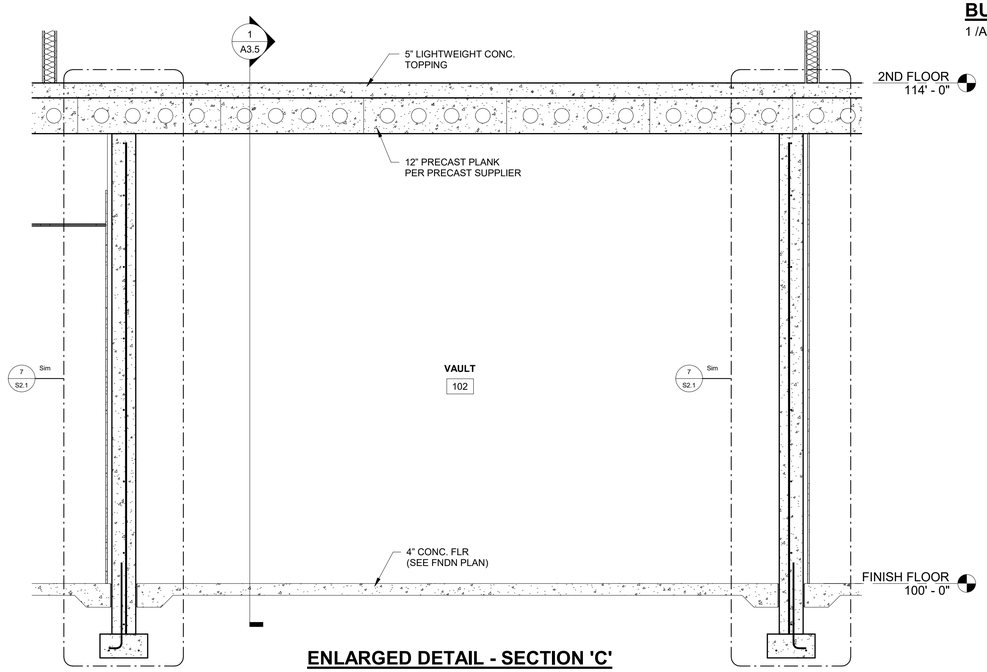
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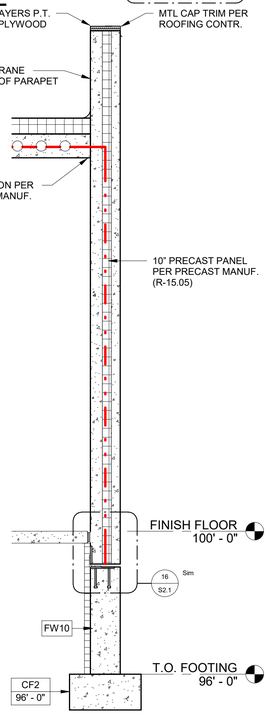
BUILDING SECTION - SECTION 'C'

1 /A3.2 SCALE = 1/16" = 1'-0"



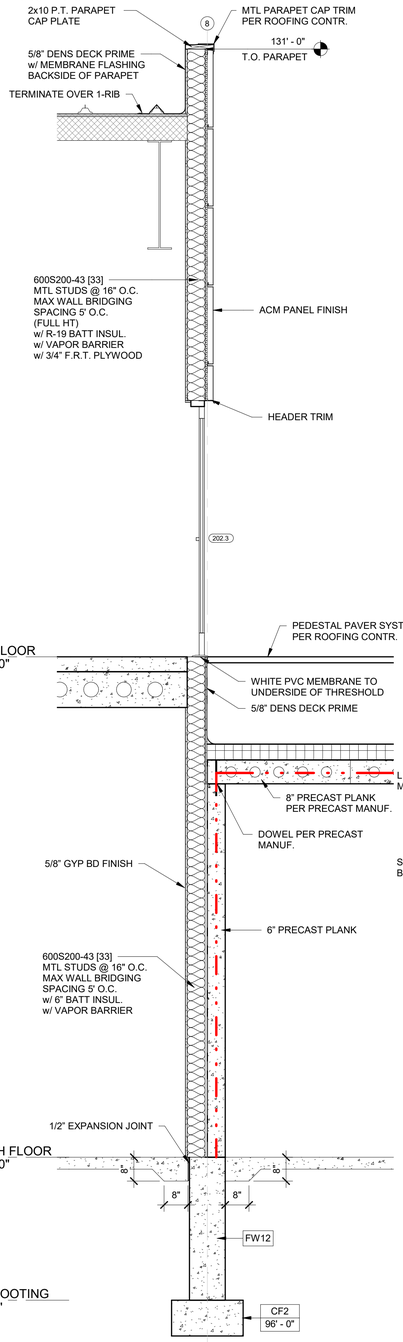
ENLARGED DETAIL - SECTION 'C'

6 /A3.2 SCALE = 1/2" = 1'-0"



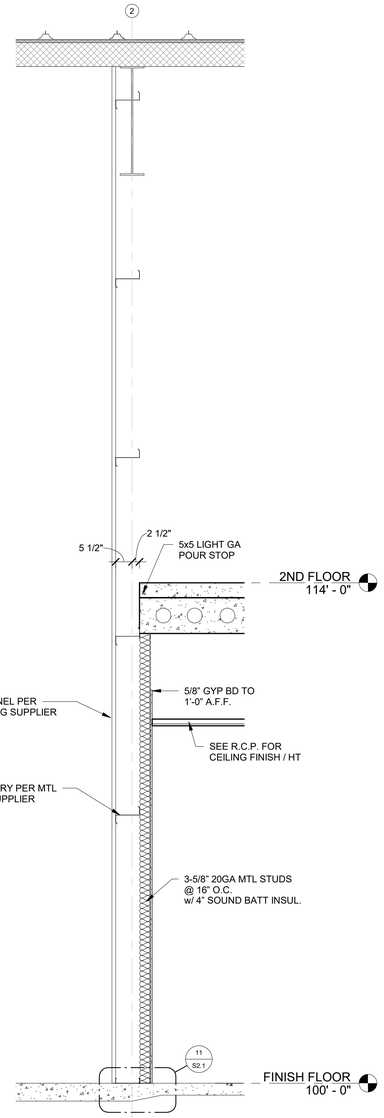
WALL SECTION - 'C4'

5 /A3.2 SCALE = 1/2" = 1'-0"



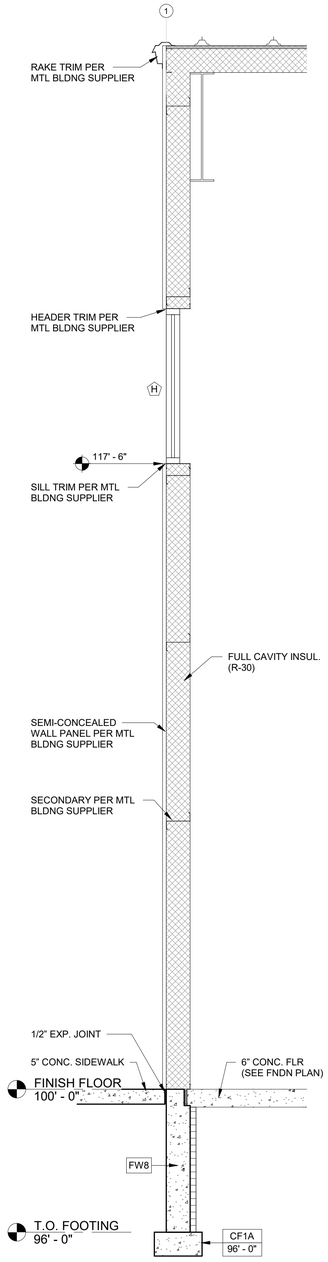
WALL SECTION - 'C3'

4 /A3.2 SCALE = 1/2" = 1'-0"



WALL SECTION - 'C2'

3 /A3.2 SCALE = 1/2" = 1'-0"



WALL SECTION - 'C1'

2 /A3.2 SCALE = 1/2" = 1'-0"

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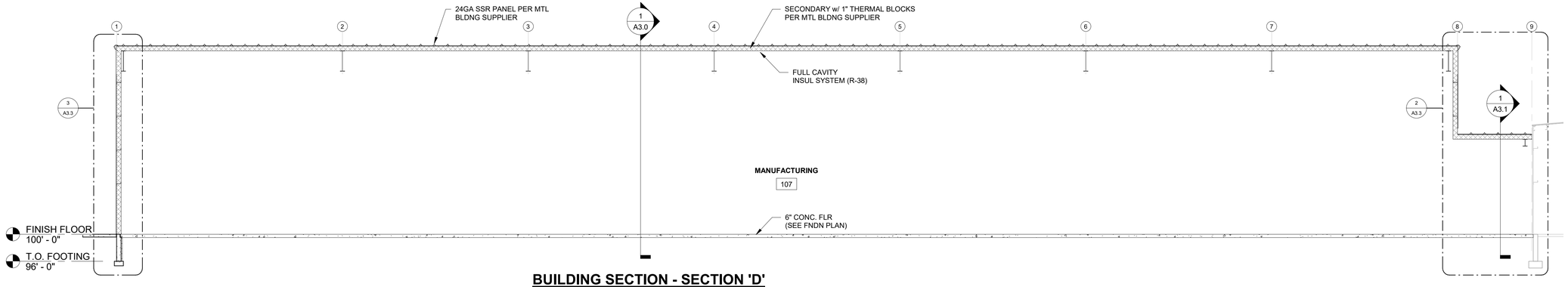
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BUILDING SECTIONS

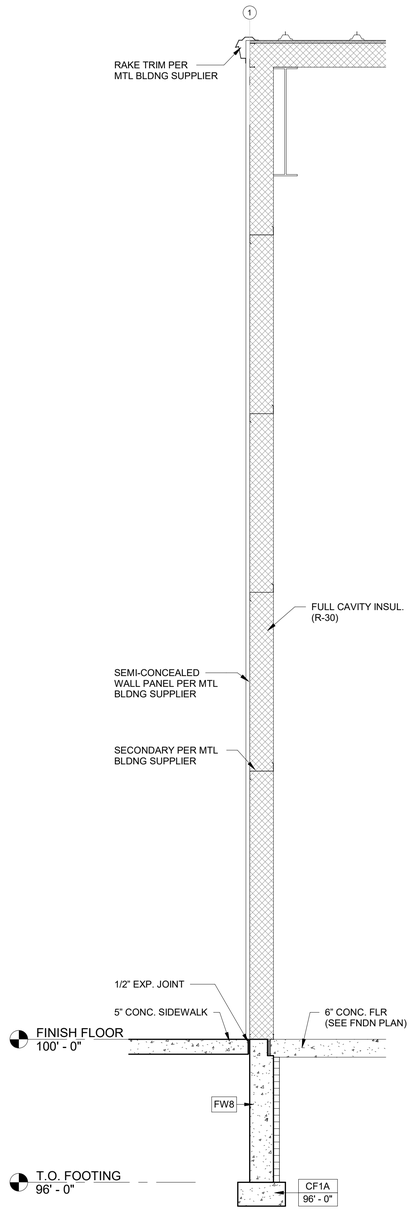
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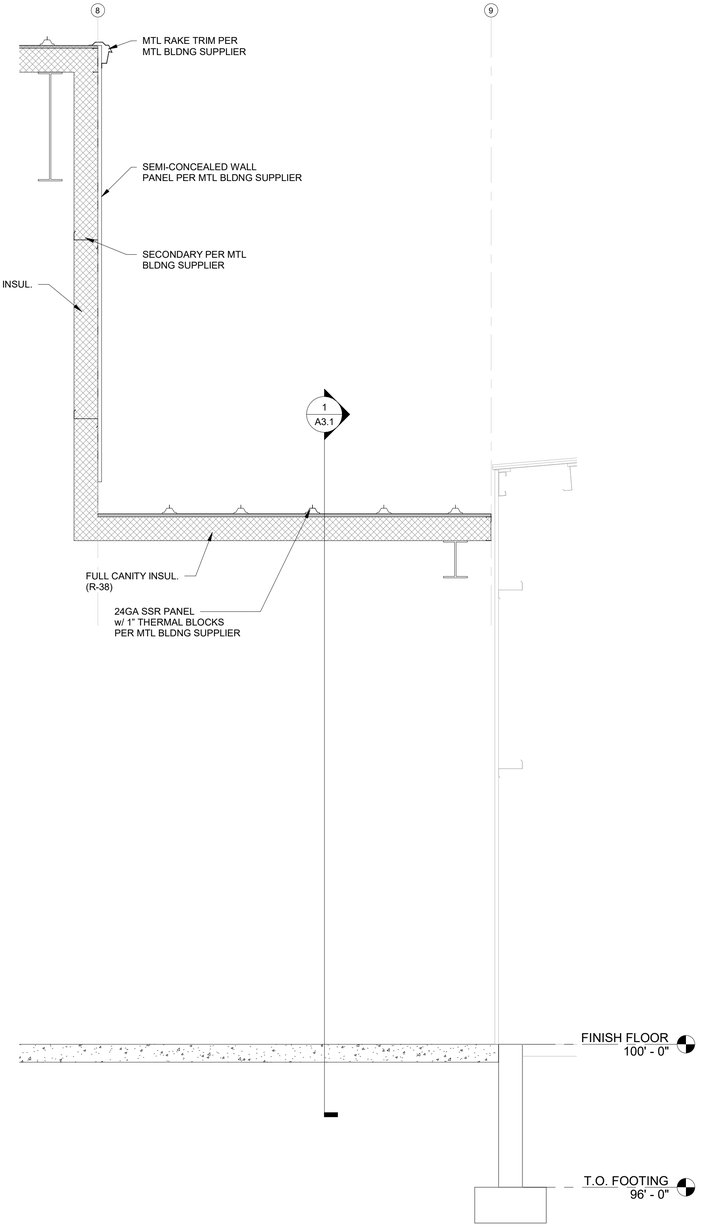
BUILDING SECTION - SECTION 'D'

1 /A3.3 SCALE = 1/8" = 1'-0"



WALL SECTION - 'D1'

3 /A3.3 SCALE = 1/2" = 1'-0"



ENLARGED DETAIL - SECTION 'D'

2 /A3.3 SCALE = 1/2" = 1'-0"

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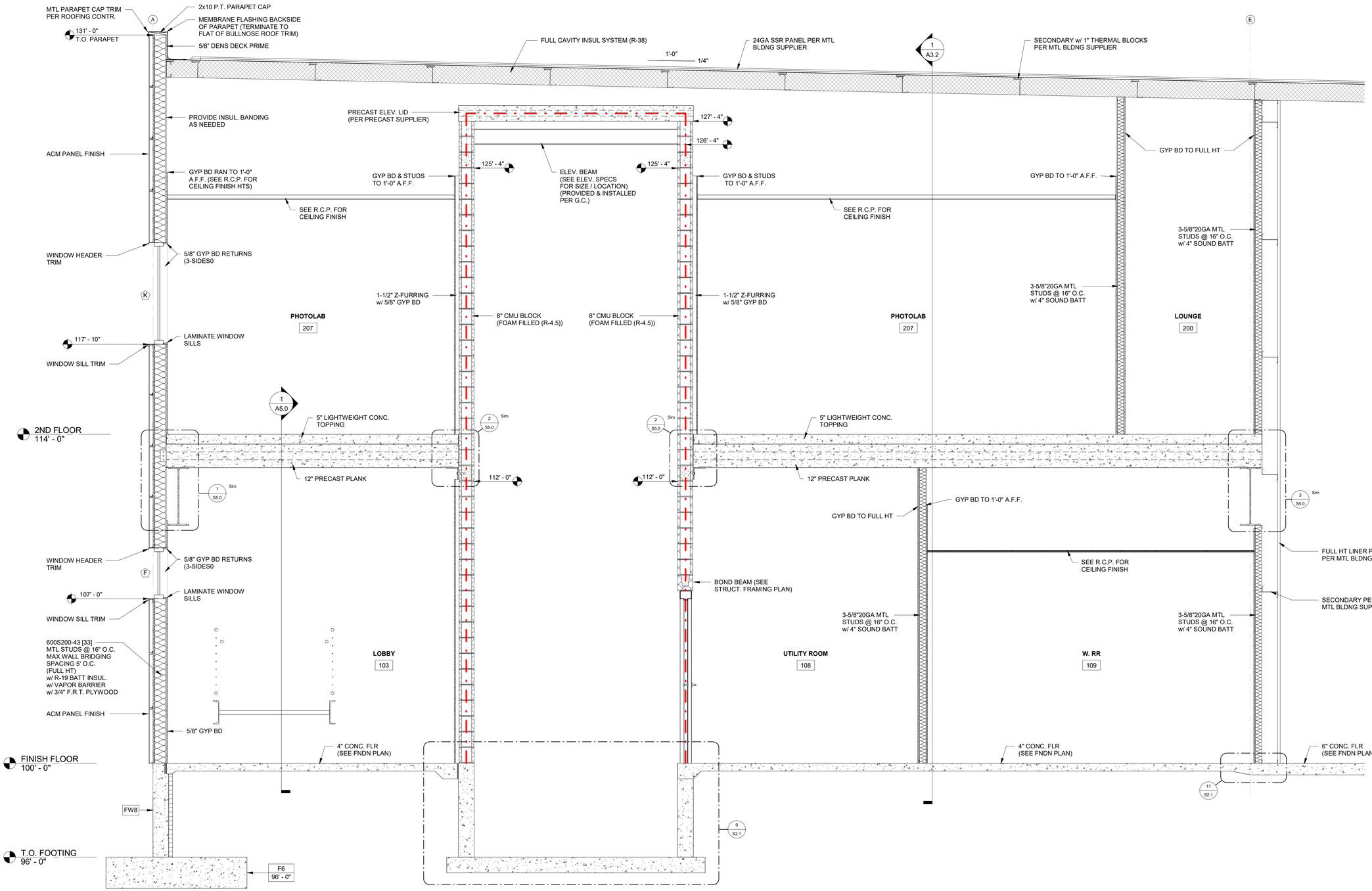
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[X] CHECKSET		
[ ] CONSTRUCTION		

BUILDING SECTIONS

A3.3

1/9/2023 12:34:55 PM



BUILDING SECTION - OFFICE SECTION 'A'

1 /A3.4 SCALE = 1/2" = 1'-0"

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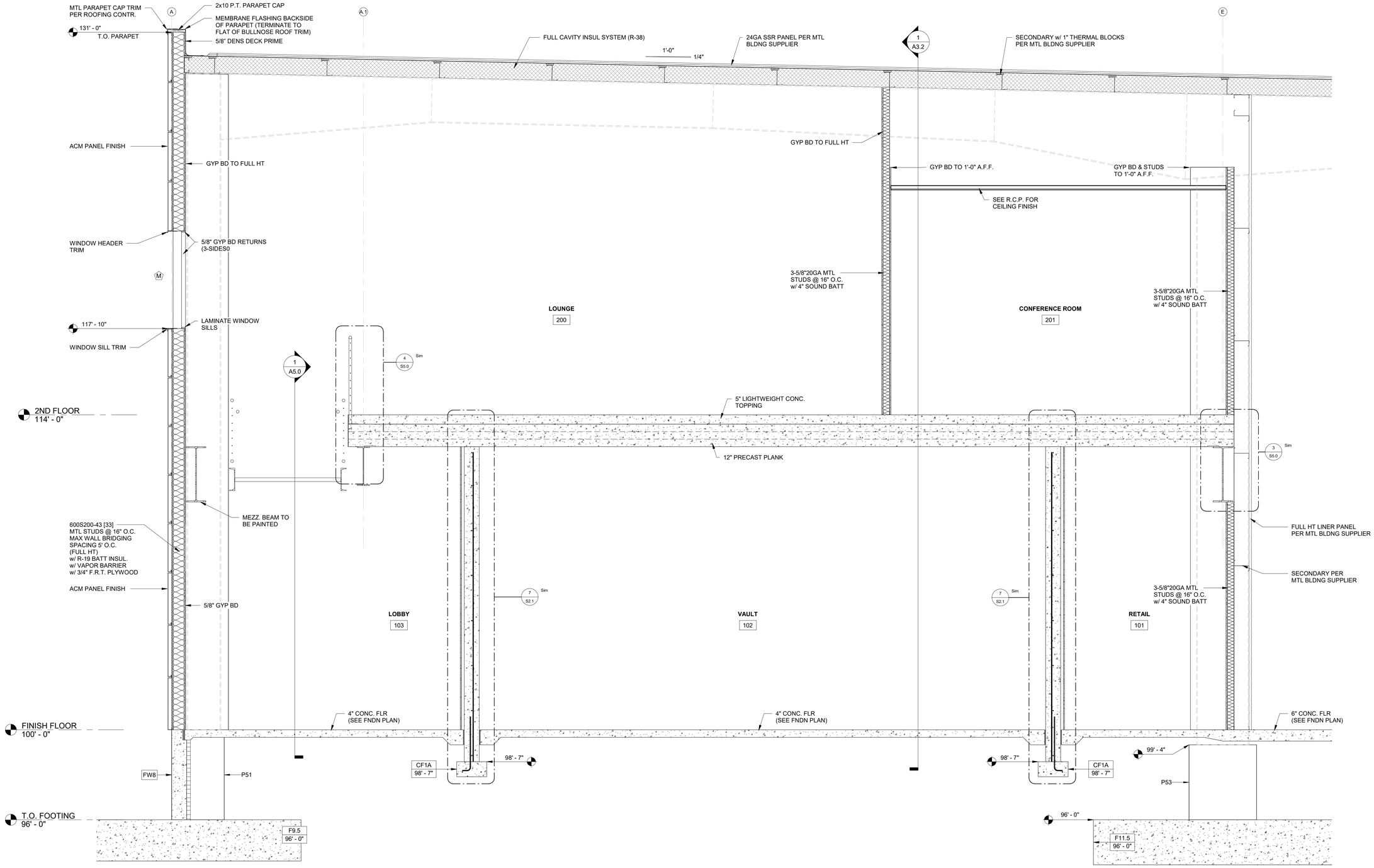
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☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

BUILDING SECTIONS

A3.4

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BUILDING SECTION - OFFICE SECTION 'B'

1 /A3.5 SCALE = 1/2" = 1'-0"

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

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[ ] BID SET		
[ ] DESIGN REVIEW	MR/SM/LP	12/19/22
[X] CHECKSET		
[ ] CONSTRUCTION		

BUILDING SECTIONS

A3.5

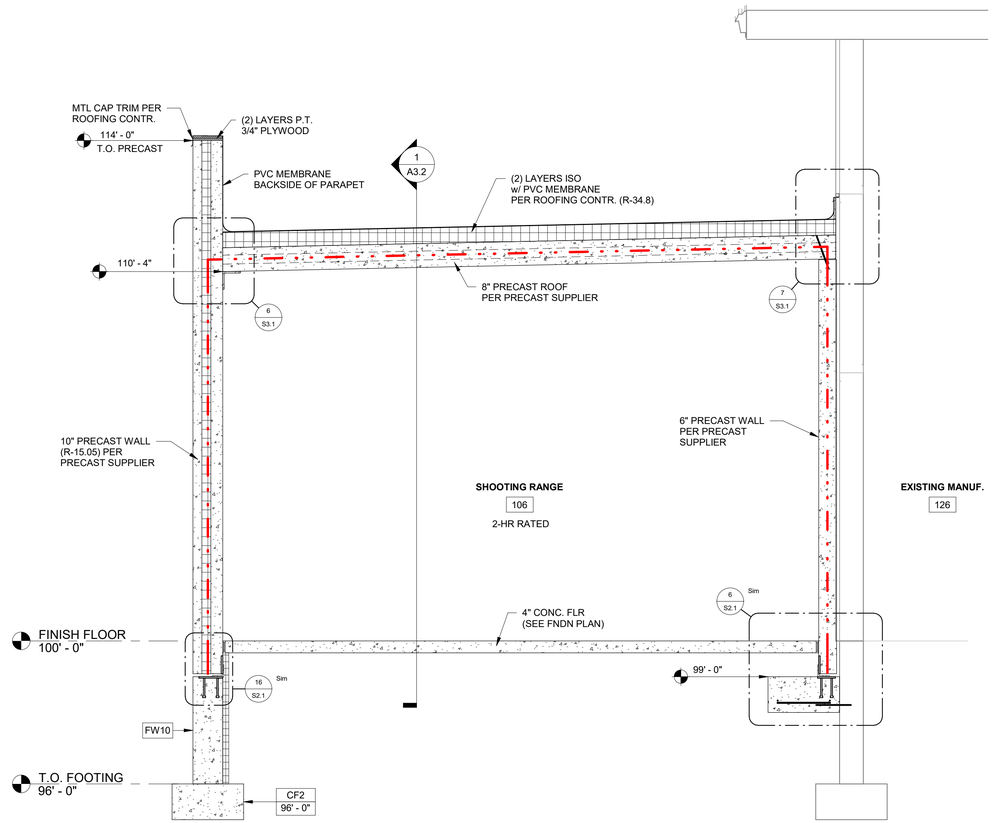
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BUILDING SECTION - RANGE SECTION

1 /A3.6 SCALE = 1/2" = 1'-0"

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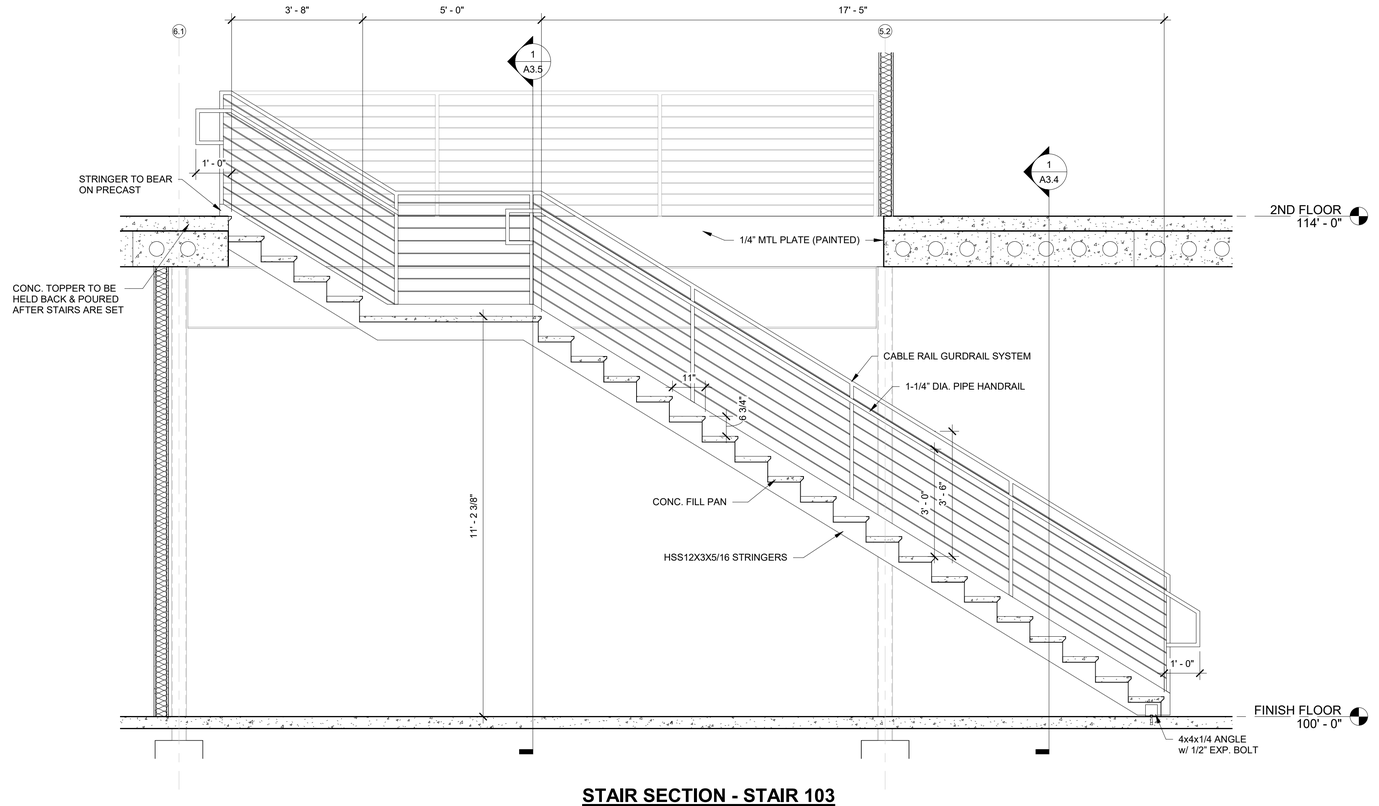
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☒ CHECKSET		
☐ CONSTRUCTION		

BUILDING SECTIONS

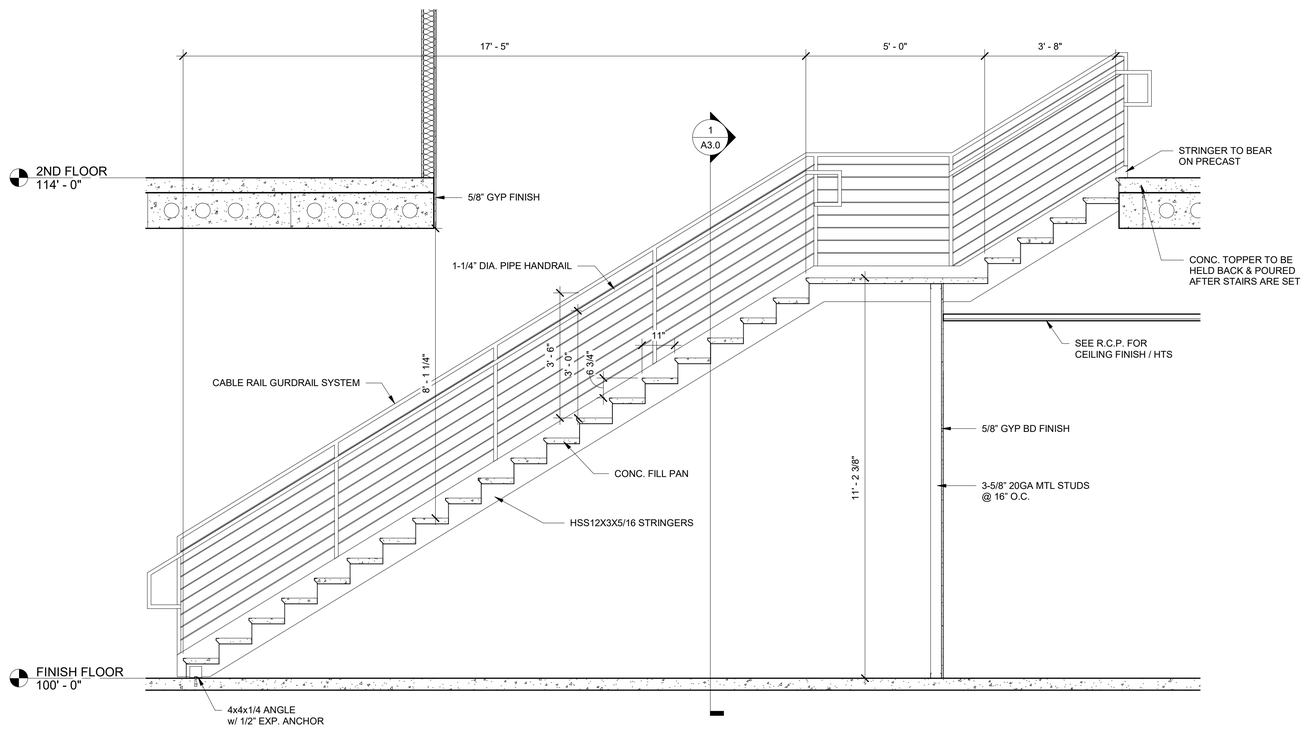
A3.6

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STAIR SECTION - STAIR 103

1 /A5.0 SCALE = 1/2" = 1'-0"



STAIR SECTION - STAIR 121

2 /A5.0 SCALE = 1/2" = 1'-0"

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STAIR SECTIONS

A5.0

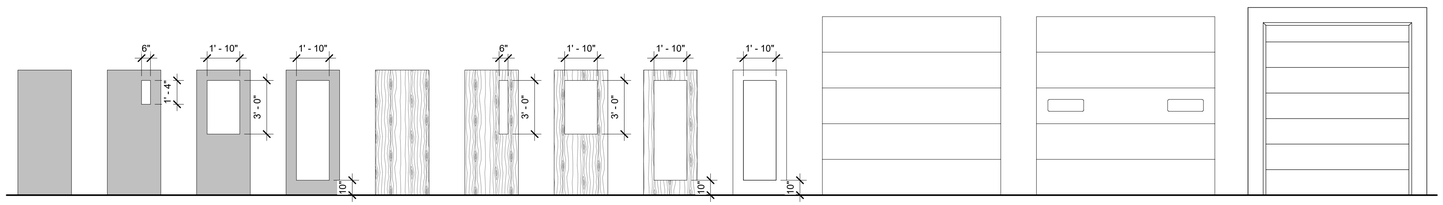
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DOOR SCHEDULE

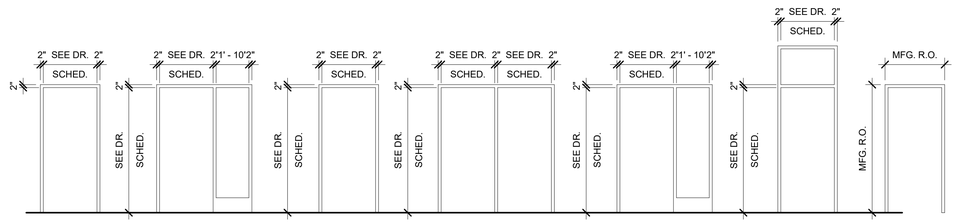
NUMBER	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	FIRE RATING	LOCK	PASSAGE	CLOSER	PANIC	PRIVACY	WALL STOP	WEATHER STRIPPING	REMARKS
100.1	3' - 0"	6' - 10"	AD1	AF2	N/A	■		■				■	SEE WINDOW LEGEND FOR FRAME. PUSH/PULL HARDWARE
100.2	3' - 0"	7' - 0"	AD1	AF3	N/A	■	■	■			■		INC. PUSH/PULL HARDWARE
103.1	3' - 0"	7' - 0"	MD4	HM1	N/A	■		■			■		
103.2	3' - 0"	7' - 0"	AD1	AF1	N/A	■		■				■	INC. ENTRANCE LEVER
104.1	3' - 0"	7' - 0"	MD1	HM1	N/A			■		■			
105.1	3' - 0"	7' - 0"	MD1	HM1	2-HR		■	■				■	
106.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■				■	
106.2	3' - 0"	7' - 0"	MD1	HM1	N/A	■		■				■	
107.1	3' - 0"	7' - 0"	MD1	HM1	N/A	■	■	■			■		
107.2	3' - 0"	7' - 0"	MD1	HM1	N/A	■		■	■				
107.3	3' - 0"	7' - 0"	MD1	HM1	N/A	■		■				■	
107.4	14' - 0"	14' - 0"	OH1	-	N/A								OVERHEAD DOOR FRAME, MOTOR, & HARDWARE
107.5	3' - 0"	7' - 0"	MD1	HM1	N/A	■		■				■	
107.6	10' - 0"	10' - 0"	OH1	-	N/A								OVERHEAD DOOR FRAME, MOTOR, & HARDWARE
107.7	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■					
108.1	3' - 0"	7' - 0"	MD1	HM1	N/A			■		■	■		
109.1	3' - 0"	7' - 0"	MD1	HM1	N/A								
109.2	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
110.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■				■		
111.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
112.1	3' - 0"	7' - 0"	MD1	HM1	N/A	■	■				■		
112.2	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
113.1	6' - 0"	7' - 0"	MD1 (2 LEAF)	HM1	N/A					■	■		
114.1	3' - 0"	7' - 0"	MD1	HM1	N/A					■	■		
115.1	3' - 0"	7' - 0"	MD1	HM1	N/A					■	■		
116.1	3' - 0"	7' - 0"	MD1	HM1	N/A					■	■		
117.1	3' - 0"	7' - 0"	AD1	AF2	N/A					■	■		
118.1	3' - 0"	7' - 0"	AD1	AF2	N/A					■	■		
119.1	3' - 0"	7' - 0"	AD1	AF2	N/A					■	■		
120.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
120.2	3' - 0"	7' - 0"	MD1	HM1	N/A		■				■		
121.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■				■		
122.1	3' - 0"	7' - 0"	MD1	HM1	N/A	■		■				■	
201.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■				■		
202.1	3' - 0"	7' - 0"	AD1	AF3	N/A		■				■		
202.2	6' - 0"	7' - 0"	MD1 (2 LEAF)	HM1	N/A					■	■		
202.3	3' - 0"	7' - 0"	AD1	AF2	N/A	■		■				■	
203.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
203.2	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
204.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
204.2	3' - 0"	7' - 0"	MD1	HM1	N/A		■	■			■		
206.1	3' - 0"	7' - 0"	MD1	HM1	N/A		■				■		
207.1	3' - 0"	7' - 0"	MD1	HM1	N/A					■	■		
209.1	3' - 0"	7' - 0"	MD1	HM1	N/A					■	■		
209.2	6' - 0"	7' - 0"	MD1 (2 LEAF)	HM1	N/A					■	■		
ELEV	1' - 6"	7' - 0"											
ELEV.	3' - 0"	7' - 0"	MD1	HM1									
ELEV.	1' - 6"	7' - 0"											



MD1 HOLLOW METAL DOOR PANEL
MD2 HOLLOW METAL DOOR PANEL w/ VIEW LITE
MD3 HOLLOW METAL DOOR PANEL w/ HALF LITE
MD4 HOLLOW METAL DOOR PANEL w/ FULL LITE
WD1 SOLID CORE DOOR PANEL
WD2 SOLID CORE DOOR PANEL w/ VIEW LITE
WD3 SOLID CORE DOOR PANEL w/ HALF LITE
WD4 SOLID CORE DOOR PANEL w/ FULL LITE
AD1 ALUMINUM DOOR PANEL w/ FULL LITE
OH1 INSULATED STEEL OVERHEAD DOOR
OH2 INSULATED STEEL OVERHEAD DOOR w/ LITES VERIFY WITH OWNER
DOH1 DOCK OVERHEAD DOOR (VISION LITES OPTIONAL PER OWNER) (SEE SPECS.)

GENERAL NOTES:

1. ALL WOOD DOOR/ WINDOW & CASINGS SPECIES TO BE OAK U.N.O.



HM1 HOLLOW METAL DOOR FRAME
HM2 HOLLOW METAL DOOR FRAME
AF1 ALUMINUM DOOR FRAME
AF2 ALUMINUM DOOR FRAME
AF3 ALUMINUM DOOR FRAME
AF4 ALUMINUM DOOR FRAME
WF1 WOOD DOOR FRAME

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

DOOR SCHEDULE

A6.0

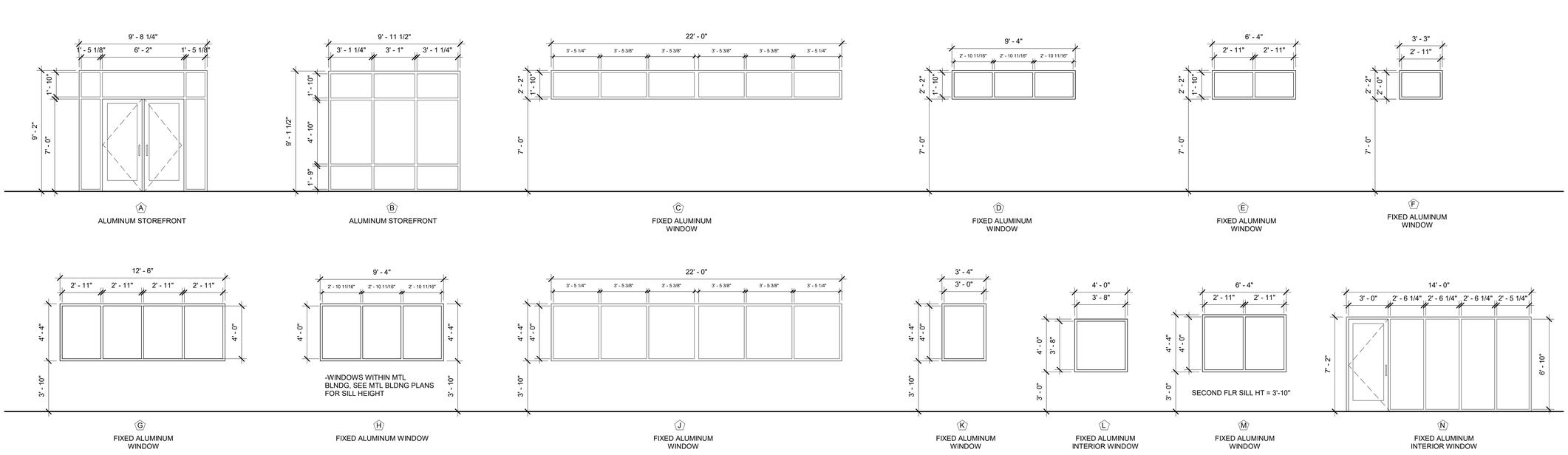
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BAYLAND BUILDINGS
P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF:
JEFFERSON



GENERAL NOTES:

1. ANY WINDOW GLAZING BELOW 24" NEEDS TO BE TEMPERED OR BE CLASSIFIED AS SAFETY GLAZING PER IBC SECTION 2406 SAFETY GLAZING

2. VERIFY INTERIOR WINDOW SILLS & JAMB FINISH

WINDOW THERMAL PERFORMANCE DATA

PRODUCT:	MARVIN MODERN SIERIES OR EQ.
GLASS TYPE:	LOW-E SMARTSUN (2.2mm ANNEALED GLASS), OR EQUAL
NFRC DIRECTORY #:	AND-N-80-00887-00001
U-FACTOR:	0.29 (MIN)
SHGC:	0.19 (MIN)
VT:	0.43 (MIN)

SCALE VERIFICATION
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ADJUST SCALE ACCORDINGLY

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[X] CHECKSET		
[ ] CONSTRUCTION		

WINDOW SCHEDULE

A6.1

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FLOOR PLAN - FIRST FLOOR FINISH PLAN

1 /A6.2 SCALE = 3/32" = 1'-0"

NORTH

MATERIAL LEGEND

FLOORING FINISH

MARK	DESCRIPTION
CPT-1	FINISH: CARPET TILE MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
CT-1	FINISH: CERAMIC TILE MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
LVT-1	FINISH: LUXURY VINYL TILE MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
CONC-1	FINISH: POLISHED CONCRETE MANUF: VERIFY STYLE: POLISHED COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: SEALER APPLIED U.N.O.
CONC-2	FINISH: SEALED CONCRETE MANUF: VERIFY STYLE: SMOOTH TROWEL & SEALED COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: SEALER APPLIED U.N.O.
CONC-3	FINISH: CONCRETE MANUF: VERIFY STYLE: SMOOTH TROWEL COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: SEALER APPLIED U.N.O.
RSF-1	FINISH: RUBBER SPORTS FLOORING MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
EXIST-FLR	EXISTING FLOOR FINISH CONDITIONS

STAIR FINISH

MARK	DESCRIPTION
ECS-1	FINISH: EXPOSED CONCRETE STAIR TREADS MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
RBS-1	FINISH: RUBBER STAIR TREADS MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY

WALL BASE FINISH

MARK	DESCRIPTION
VB-1	FINISH: VINYL BASE MANUF: VERIFY STYLE: 4" HIGH COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
CTB-1	FINISH: CERAMIC TILE BASE MANUF: VERIFY STYLE: 4" HIGH COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
EXIST-WB	EXISTING WALL BASE FINISH CONDITIONS

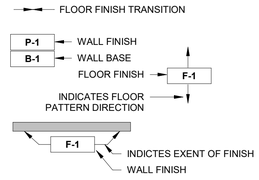
WALL FINISH

MARK	DESCRIPTION
BLS-1	FINISH: BANDED LINER SYSTEM MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
P-1	FINISH: PAINTED GYP. BD. MANUF: VERIFY STYLE: ***VERIFY LEVEL OF FINISH*** COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
P-2	FINISH: PAINTED BLOCK MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
LP-1	FINISH: 29 GA LINER PANEL MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
FRP-1	FINISH: FRP MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
EXP-WF	EXPOSED WALL/ STRUCTURE
EXIST-WF	EXISTING WALL FINISH CONDITIONS

FINISH GENERAL NOTES

1. ALL FINISH SELECTIONS IDENTIFIED IN LEGENDS, SCHEDULES, AND SPECIFICATIONS ARE SUBJECT TO 'OR EQUAL' SUBSTITUTIONS U.N.O. FINAL SELECTIONS TO BE SELECTED BY G.C.
2. NOTIFY ARCHITECT OF SCHEDULED FINISHES THAT ARE UNAVAILABLE OR DISCONTINUED AT THE EARLIEST OPPORTUNITY SUCH THAT A SUBSTITUTION CAN BE SELECTED WITHOUT JEOPARDIZING THE CONSTRUCTION SCHEDULE.
3. REFER TO THE MATERIAL SCHEDULE FOR MANUFACTURER, PRODUCT/STYLE NAME, COLOR SPECIFICATION.
4. INSTALL ALL FINISH MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, SURFACE PREPARATION, ADHESIVES AND BACKINGS; INCLUDING WALLCOVERINGS, COATINGS, FLOORING MATERIALS, LAMINATES, ETC.
5. THE CONTRACTOR SHALL REPAIR ALL ROUGH FLOOR SLAB UNEVENNESS SUITABLE FOR PROPER FLOOR COVERING INSTALLATION.
6. FLOOR MATERIAL TRANSITIONS AT DOOR OPENINGS ARE TO BE CENTERED BELOW THE DOOR IN THE CLOSED POSITION, U.N.O.
7. THE PAINTING SUBCONTRACTOR SHALL ENSURE THAT ALL PAINTS COMPLY WITH THE MUNICIPAL & STATE CODES AND BUILDING REGULATIONS FOR LOW VOC EMISSIONS.
8. ELECTRICAL SWITCH AND OUTLET COVER PLATES, SURFACE HARDWARE, ETC. SHALL BE INSTALLED AFTER PAINTING AND/OR APPLICATION OF WALL COVERINGS AND SPECIFIED CARPET.
9. STAINED AND PAINTED SURFACES SHALL BE FINISHED SUCH THAT JOINTS/IMPERFECTIONS ARE NOT VISIBLE.
10. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES IN THE FIELD. GC TO GET CLARIFICATION FROM ARCHITECT BEFORE CONTINUING WITH ANY WORK.
11. PROVIDE VINYL TRANSITION STRIPS AT ALL FLOORING MATERIAL CHANGES, U.N.O. REFER TO PLAN FOR DETAIL LOCATIONS.
12. HARD FLOORING GROUT IS TO BE SEALED WITH MANUFACTURER'S RECOMMENDED SEALERS.
13. RUBBER/VINYL BASE SHALL BE STRAIGHT BASE AT ALL LOCATIONS FOR CARPET AND COVE BASE AT TILE AND RESILIENT FLOORS.
14. ALL ELECTRICAL PANELS IN THE CORRIDORS SHALL BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.N.O
15. PAINT CEILING ACCESS PANELS TO MATCH ADJACENT CEILING FINISH.
16. UNDERSIDE OF SOFFITS (WHERE OCCURS) TO BE PAINTED TO RECEIVE FINISH TO MATCH WALL, U.N.O.
17. FINISH FLOORING TO EXTEND FROM WALL TO WALL INCLUDING UNDER CABINETS AND UNDERCABINET EQUIPMENT.
18. ALL INTERIOR WALL & CEILING FINISHES AND TRIM OF PUBLIC AREAS TO COMPLY WITH CLASS A MATERIAL CLASSIFICATION; FLAME SPREAD RATING 0 TO 25, SMOKE DEVELOPED 200. ALL INTERIOR WALL AND CEILING FINISHES AND TRIM IN NON PUBLIC AREAS TO COMPLY WITHCLASS B MATERIAL CLASSIFICATION; FLAME SPREAD RATING 26-75, SMOKE DEVELOPED 450.
19. ALL PAINTED SURFACES ARE TO RECEIVE A PRIME COAT AND A MINIMUM OF TWO COATS FINAL COLOR, U.N.O.
20. CARPET CONTRACTOR SHALL VERIFY THAT ALL CARPET OF EACH VARIETY IS TO BE SHIPPED FROM THE SAME DYE-LOT.
21. ALL WALLS PAINTED WITH A LATEX PAINT TO HAVE AN EGGSHELL FINISH, U.N.O. REFER TO THE MATERIAL SCHEDULE AND FINISH LEGEND FOR MANUFACTURER'S PRODUCT NAME.
22. GYPSUM BOARD CEILINGS SCHEDULED TO RECEIVE PAINT SHALL HAVE A FLAT FINISH, U.N.O.
23. PROVIDE ARCHITECT WITH A MINIMUM OF (3) 8" X 10" BRUSH-OUTS OF EACH COLOR AND FINISH FOR ARCHITECT'S APPROVAL PRIOR TO APPLICATION.
24. PAINTS AND COATINGS : APPLIED TO INTERIOR WALLS AND CEILINGS MUST NOT EXCEED THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT LIMITS ESTABLISHED IN GREEN SEAL STANDARD GS-11, PAINTS, 1ST EDITION, MAY 20, 1993.
25. ANTI-CORROSIVE AND ANTI-RUST PAINTS: APPLIED TO INTERIOR FERROUS METAL SUBSTRATES MUST NOT EXCEED THE VOC CONTENT LIMIT OF 250 G/L ESTABLISHED IN GREEN SEAL STANDARD GC-03, ANTI-CORROSIVE PAINTS, 2ND EDITION, JANUARY 7, 1997.
26. CLEAR WOOD FINISHES, FLOOR COATINGS, STAINS, PRIMERS, SEALERS, AND SHELLACS: APPLIED TO INTERIOR ELEMENTS MUST NOT EXCEED THE VOC CONTENT LIMITS ESTABLISHED FOR THOSE COATING TYPES IN SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1113, ARCHITECTURAL COATINGS, AMENDED FEBRUARY 5, 2016.

FINISH PLAN LEGEND



FINISH PLAN KEYNOTES

100. NO FINISH WORK IN THIS AREA.
101. CARPET TO BE INSET WITHIN CERAMIC TILE. VERIFY DIMS. AS SHOWN.
102. PROVIDE 1/8" THICK ZINC TRANSITION STRIP BETWEEN CERAMIC TILE AND CARPET. FEATHER FLOORING BENEATH CARPET AS REQUIRED FOR A SMOOTH TRANSITION.
103. PROVIDE VINYL STRIP AT CARPET TO VINYL TRANSITION. SUBMIT COLOR SAMPLES TO ARCHITECT FOR APPROVAL.
104. PATH/EXTEND FINISHES WITHIN COMMON CORRIDOR. ANY NEW FLOOR AND/OR WALL FINISHES TO MATCH EXISTING FOR A SEAMLESS TRANSITION.

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PROPOSED BUILDING FOR:
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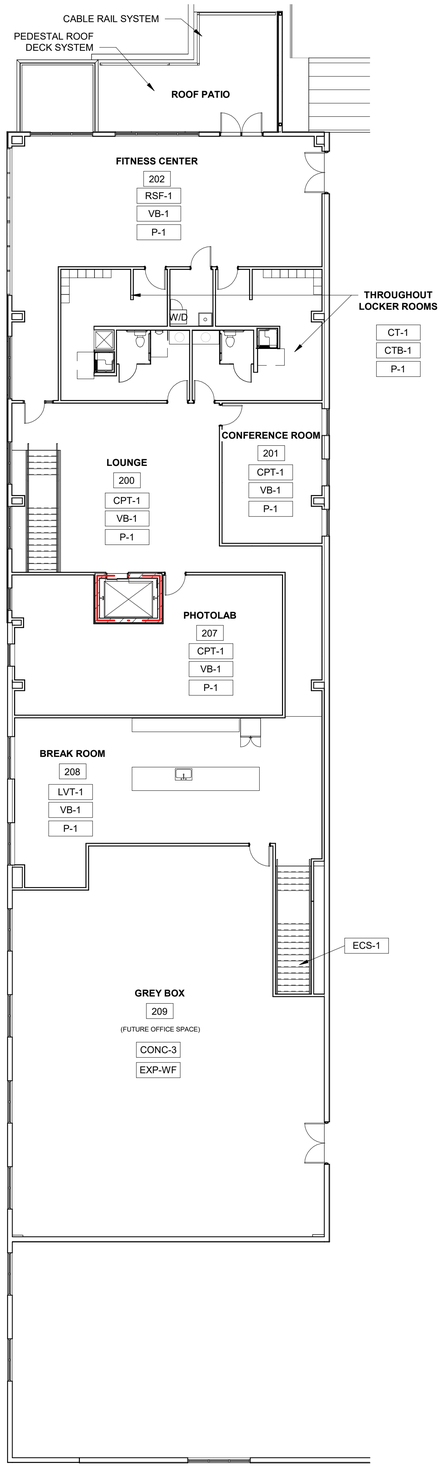
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FIRST FLOOR FINISH PLAN

A6.2

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FLOOR PLAN - SECOND FLOOR FINISH PLAN

1 /A6.3 SCALE = 3/32" = 1'-0"

NORTH

MATERIAL LEGEND

FLOORING FINISH

MARK	DESCRIPTION
CPT-1	FINISH: CARPET TILE MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
CT-1	FINISH: CERAMIC TILE MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
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CONC-1	FINISH: POLISHED CONCRETE MANUF: VERIFY STYLE: POLISHED COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: SEALER APPLIED U.N.O.
CONC-2	FINISH: SEALED CONCRETE MANUF: VERIFY STYLE: SMOOTH TROWEL & SEALED COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: SEALER APPLIED U.N.O.
CONC-3	FINISH: CONCRETE MANUF: VERIFY STYLE: SMOOTH TROWEL COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: SEALER APPLIED U.N.O.
RSF-1	FINISH: RUBBER SPORTS FLOORING MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
EXIST-FLR	EXISTING FLOOR FINISH CONDITIONS

STAIR FINISH

MARK	DESCRIPTION
ECS-1	FINISH: EXPOSED CONCRETE STAIR TREADS MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY
RBS-1	FINISH: RUBBER STAIR TREADS MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: VERIFY

WALL BASE FINISH

MARK	DESCRIPTION
VB-1	FINISH: VINYL BASE MANUF: VERIFY STYLE: 4" HIGH COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
CTB-1	FINISH: CERAMIC TILE BASE MANUF: VERIFY STYLE: 4" HIGH COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
EXIST-WB	EXISTING WALL BASE FINISH CONDITIONS

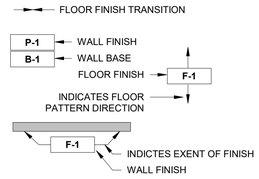
WALL FINISH

MARK	DESCRIPTION
BLS-1	FINISH: BANDED LINER SYSTEM MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
P-1	FINISH: PAINTED GYP. BD. MANUF: VERIFY STYLE: ***VERIFY LEVEL OF FINISH*** COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
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LP-1	FINISH: 29 GA LINER PANEL MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
FRP-1	FINISH: FRP MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
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5. THE CONTRACTOR SHALL REPAIR ALL ROUGH FLOOR SLAB UNEVENNESS SUITABLE FOR PROPER FLOOR COVERING INSTALLATION.
6. FLOOR MATERIAL TRANSITIONS AT DOOR OPENINGS ARE TO BE CENTERED BELOW THE DOOR IN THE CLOSED POSITION, U.N.O.
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15. PAINT CEILING ACCESS PANELS TO MATCH ADJACENT CEILING FINISH.
16. UNDERSIDE OF SOFFITS (WHERE OCCURS) TO BE PAINTED TO RECEIVE FINISH TO MATCH WALL, U.N.O.
17. FINISH FLOORING TO EXTEND FROM WALL TO WALL INCLUDING UNDER CABINETS AND UNDERCABINET EQUIPMENT.
18. ALL INTERIOR WALL & CEILING FINISHES AND TRIM OF PUBLIC AREAS TO COMPLY WITH CLASS A MATERIAL CLASSIFICATION; FLAME SPREAD RATING 0 TO 25, SMOKE DEVELOPED 200. ALL INTERIOR WALL AND CEILING FINISHES AND TRIM IN NON PUBLIC AREAS TO COMPLY WITHCLASS B MATERIAL CLASSIFICATION; FLAME SPREAD RATING 26-75, SMOKE DEVELOPED 450.
19. ALL PAINTED SURFACES ARE TO RECEIVE A PRIME COAT AND A MINIMUM OF TWO COATS FINAL COLOR, U.N.O.
20. CARPET CONTRACTOR SHALL VERIFY THAT ALL CARPET OF EACH VARIETY IS TO BE SHIPPED FROM THE SAME DYE-LOT.
21. ALL WALLS PAINTED WITH A LATEX PAINT TO HAVE AN EGGSHELL FINISH, U.N.O. REFER TO THE MATERIAL SCHEDULE AND FINISH LEGEND FOR MANUFACTURER'S PRODUCT NAME.
22. GYPSUM BOARD CEILINGS SCHEDULED TO RECEIVE PAINT SHALL HAVE A FLAT FINISH, U.N.O.
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24. PAINTS AND COATINGS : APPLIED TO INTERIOR WALLS AND CEILINGS MUST NOT EXCEED THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT LIMITS ESTABLISHED IN GREEN SEAL STANDARD GS-11, PAINTS, 1ST EDITION, MAY 20, 1993.
25. ANTI-CORROSIVE AND ANTI-RUST PAINTS: APPLIED TO INTERIOR FERROUS METAL SUBSTRATES MUST NOT EXCEED THE VOC CONTENT LIMIT OF 250 G/L ESTABLISHED IN GREEN SEAL STANDARD GC-03, ANTI-CORROSIVE PAINTS, 2ND EDITION, JANUARY 7, 1997.
26. CLEAR WOOD FINISHES, FLOOR COATINGS, STAINS, PRIMERS, SEALERS, AND SHELLACS: APPLIED TO INTERIOR ELEMENTS MUST NOT EXCEED THE VOC CONTENT LIMITS ESTABLISHED FOR THOSE COATING TYPES IN SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1113, ARCHITECTURAL COATINGS, AMENDED FEBRUARY 5, 2016.

FINISH PLAN LEGEND



FINISH PLAN KEYNOTES

100. NO FINISH WORK IN THIS AREA.
101. CARPET TO BE INSET WITHIN CERAMIC TILE. VERIFY DIMS. AS SHOWN.
102. PROVIDE 1/8" THICK ZINC TRANSITION STRIP BETWEEN CERAMIC TILE AND CARPET. FEATHER FLOORING BENEATH CARPET AS REQUIRED FOR A SMOOTH TRANSITION.
103. PROVIDE VINYL STRIP AT CARPET TO VINYL TRANSITION. SUBMIT COLOR SAMPLES TO ARCHITECT FOR APPROVAL.
104. PATH/EXTEND FINISHES WITHIN COMMON CORRIDOR. ANY NEW FLOOR AND/OR WALL FINISHES TO MATCH EXISTING FOR A SEAMLESS TRANSITION.

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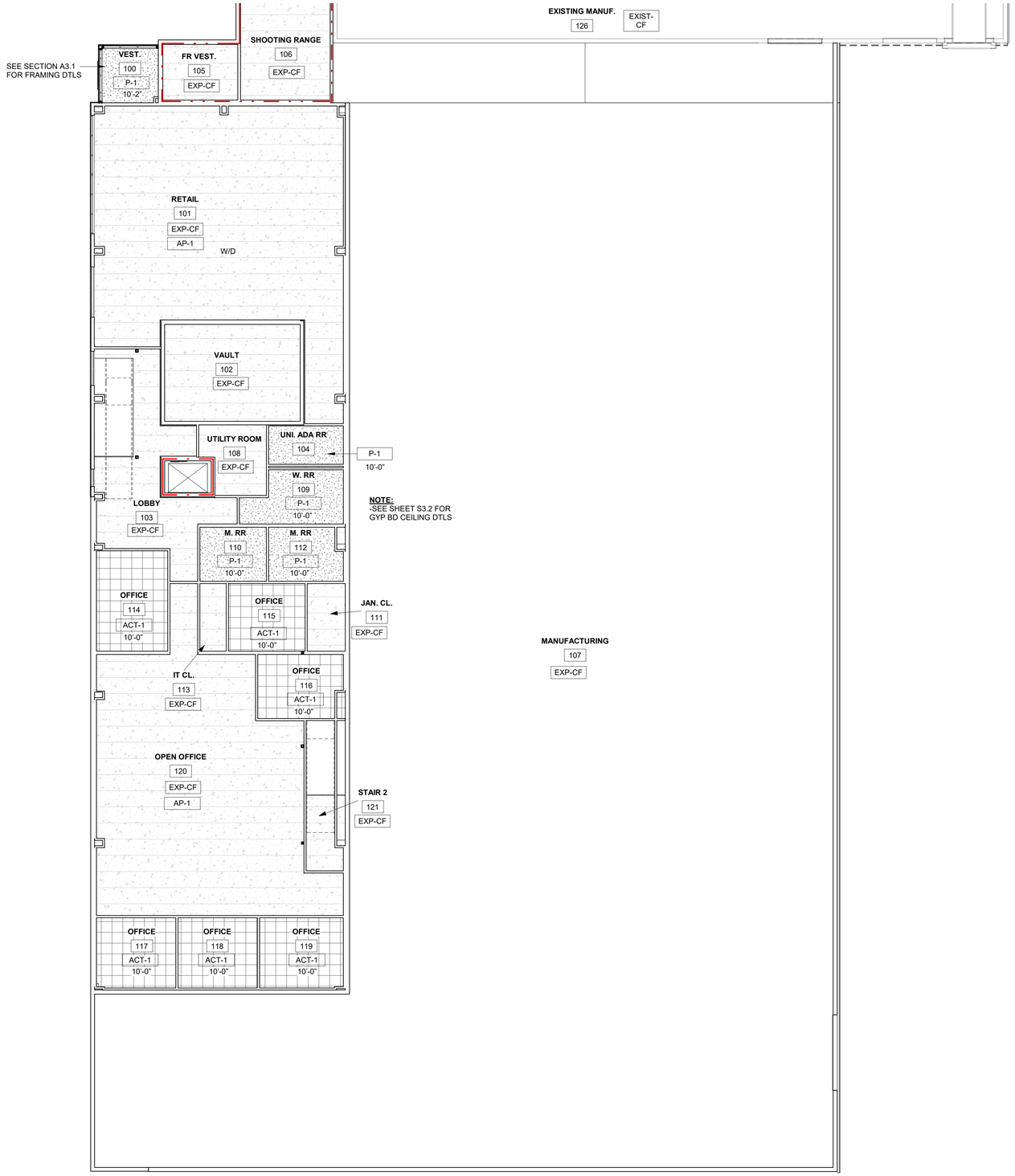
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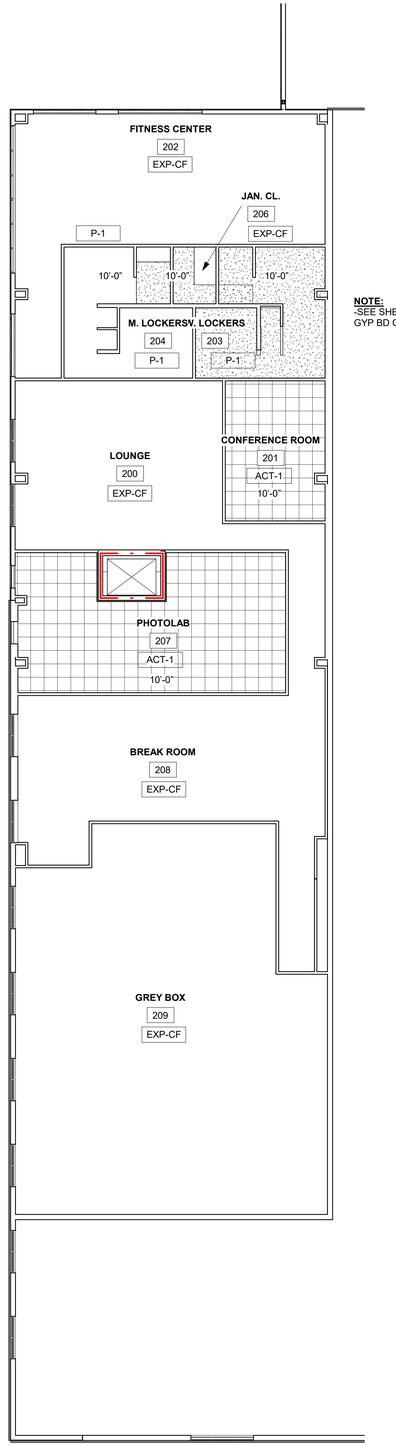
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SECOND FLOOR FINISH PLAN

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CEILING LEGEND

MARK	DESCRIPTION
P-1	FINISH: PAINTED GYP. BD. MANUF: VERIFY STYLE: ***VERIFY LEVEL OF FINISH*** COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
ACT-1	FINISH: SUSPENDED ACOUSTICAL CEILING SYSTEM MANUF: VERIFY STYLE: 2x2 STANDARD REVEALED EDGE COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS:
AP-1	FINISH: CEILING MOUNTED ACOUSTICAL PANEL MANUF: VERIFY STYLE: VERIFY COLOR: VERIFY INSTALLATION METHOD: VERIFY REMARKS: 50% CEILING AREA COVERAGE
EXP-CF	EXPOSED CEILING/ STRUCTURE
EXIST-CF	EXISTING CEILING FINISH CONDITIONS

REFLECTED CEILING PLAN - FIRST FLOOR

1 /A6.4 SCALE = 3/32" = 1'-0"

NORTH

REFLECTED CEILING PLAN - SECOND FLOOR

2 /A6.4 SCALE = 3/32" = 1'-0"

NORTH

BAYLAND BUILDINGS
P.O. BOX 13571 GREEN BAY, WI 54307
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www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

REFLECTED CEILING PLANS

A6.4

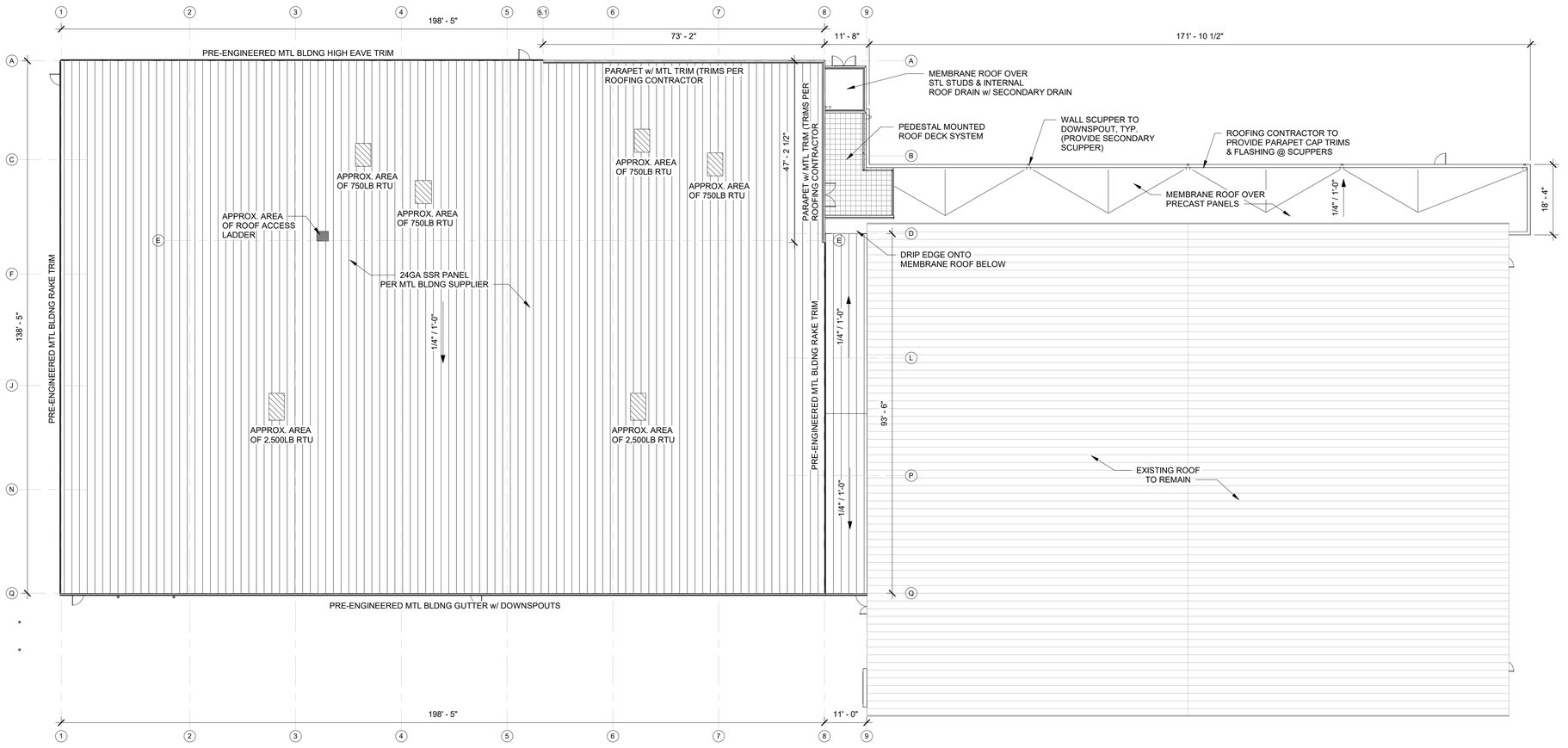
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ROOF PLAN - OVERALL PLAN

1 /A8.0 SCALE = 1/16" = 1'-0"

NORTH

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[ ] CONSTRUCTION		

ROOF PLAN

A8.0

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STRUCTURAL DESIGN

GOVERNING CODES				
2015 INTERNATIONAL BUILDING CODE ASCE 7-10				
ROOF SNOW LOAD				
GROUND SNOW LOAD (Pg)				30 PSF
FLAT ROOF SNOW LOAD (Pf)				21 PSF
SNOW EXPOSURE FACTOR (Ce)				1.0
SNOW IMPORTANCE FACTOR (Is)				1.0 (RISK CATEGORY II)
THERMAL FACTOR (Ct)				1.0
COLD ROOF SLOPE FACTOR (Cs)				1.0
UNBALANCED SNOW LOADING				
SNOW DRIFT LOADING				SEE LOADING PLAN
SLIDING SNOW LOADING				SEE LOADING PLAN
ROOF LIVE LOAD				
MINIMUM ROOF LIVE LOAD				20 PSF
ROOF DEAD LOAD				
PRE-ENGINEERED METAL BUILDING	ROOF STEEL, SECONDARY, INSULATION			4 PSF
	COLLATERAL			5 PSF
PRECAST ROOF	ROOF PLANK, INSULATION			65 PSF
	COLLATERAL			5 PSF
MEZANNINES AND FLOORS				
PRECAST FLOOR	LIVE LOAD	OFFICE		80 PSF
	DEAD LOAD	PLANK, TOPPER		135 PSF
	COLLATERAL			5 PSF
	DEFLECTION REQUIREMENTS (MIN.)			L/360 LL, L/240 TL
STAIRS AND EXITS				
LIVE LOAD				100 PSF
DEAD LOAD	CONCRETE FILLED PANS			30 PSF
DEFLECTION REQUIREMENTS (MIN.)				L/360 LL, L/240 TL
LATERAL				
WIND LOADS	BASIC WIND SPEED = 115 MPH (RISK CATEGORY II)			
	WIND EXPOSURE = C			
	INTERNAL PRESSURE COEFFICIENT = + OR - 0.18			
	COMPONENT AND CLADDING PRESSURES/SUCTIONS FOR EFFECTIVE AREAS <= 10 S.F. AS FOLLOWS:			
		ROOF ZONE 1 PRESSURE = 16 PSF, SUCTION = -29.86 PSF		
		ROOF ZONE 2 PRESSURE = 16 PSF, SUCTION = -35.39 PSF		
		ROOF ZONE 3 PRESSURE = 16 PSF, SUCTION = -35.39 PSF		
		WALL ZONE 4 PRESSURE = 22.39 PSF, SUCTION = -24.88 PSF		
		WALL ZONE 5 PRESSURE = 22.39 PSF, SUCTION = -24.88 PSF		
SEISMIC	SEISMIC IMPORTANCE FACTOR, Ie = 1.0 (RISK CATEGORY = II)			
	GROUND MOTION		S(S) = 0.083	S(1) = 0.045
	SITE CLASS = D			
	SEISMIC DESIGN CATEGORY = B			
FOUNDATIONS				
DESIGN SOIL BEARING CAPACITY				2000 PSF

1. STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING:
   AISC: "SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STEEL FOR BUILDINGS".
   AISC: "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
   AWS D1.1: "STRUCTURAL WELDING CODE - STEEL".
   AISC: "STRUCTURAL STEEL DETAILING MANUAL".
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
   HOT ROLLED WIDE-FLANGE: ASTM A992 (Fy=50 KSI)
   ALL OTHER STRUCTURAL SHAPES AND PLATES: ASTM A36 (Fy=36KSI)
   STRUCTURAL STEEL PIPE: ASTM A53 GRADE B (Fy=35 KSI).
   TUBULAR STEEL: ASTM A500 GRADE B (Fy=46 KSI)
   HIGH STRENGTH BOLTS: ASTM A325N (BEARING) ASTM A325F (FRICTION)
   ANCHOR BOLTS: ASTM A307 OR A36
3. PROVIDE 2 MIL. THICK RED OR GREY OXIDE PRIMER ON ALL STEEL SURFACES UNLESS NOTED OTHERWISE.
4. ANCHOR BOLTS SHALL BE PRESET WITH TEMPLATES AT REQUIRED LOCATIONS.
5. LEVELING PLATES AND BEARING PLATES SHALL BE SET IN FULL BED OF NON-SHRINK GROUT
6. CONNECTIONS MAY BE EITHER BOLTED OR WELDED AT THE FABRICATOR'S OPTION.BOLTED CONNECTIONS SHALL BE AS FOLLOWS:
   MINIMUM BOLT DIAMETER: 3/4"
   SHEAR CONNECTIONS FOR MOMENT CONNECTED MEMBERS: FRICTION TYPE HIGH STRENGTH BOLTS IN SINGLE OR DOUBLE SHEAR.
   SHEAR CONNECTIONS FOR OTHER MEMBERS: BEARING TYPE HIGH STRENGTH BOLTS IN SINGLE OR DOUBLE SHEAR. SIMPLE SHEAR CONNECTIONS SHALL BE CAPABLE OF END ROTATION PER AISC REQUIREMENTS FOR "UNRESTRAINED MEMBERS".
7. ALL BEAM CONNECTIONS NOT DETAILED, SHALL SUPPORT 1/2 THE TOTAL UNIFORM LOAD CAPACITY FOR THE GIVEN BEAM AND SPAN OR THE INDICATED REACTION, WHICHEVER IS GREATER. CONNECTIONS SHALL GENERALLY FOLLOW THE TYPES SHOWN IN THE "AISC MANUAL OF STEEL CONSTRUCTION", TABLE II, III, OR X.
8. WELDS SHALL FULLY DEVELOP STRENGTH OF THE MATERIALS BEING WELDED, UNLESS NOTED OTHERWISE, EXCEPT THAT FILLET WELDS SHALL BE A MINIMUM 3/16".
9. WELDED CONNECTIONS SHALL BE MADE BY APPROVED CERTIFIED WELDERS USING FILLER METAL CONFORMING TO E70XX.
10. CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SUPPORTS TO HOLD STRUCTURAL STEEL FRAMING SECURELY IN POSITION. TEMPORARY BRACING SHALL REMAIN UNTIL THE PERMANENT LATERAL BRACING HAS BEEN INSTALLED AND AND THE CONCRETE FOR FLOOR SLABS HAS ATTAINED 75% OF ITS REQUIRED STRENTGH.
11. STRUCTURAL STEEL FRAMING SHALL BE TRUE AND PLUMB BEFORE FINAL BOLTING OR WELDING OF CONNECTIONS.
12. CONTRACTOR SHALL NOT MODIFY OR CUT ANY STRUCTURAL STEEL WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
13. CONTRACTOR SHALL FIELD TOUCH UP ALL ABRASIONS, BURNS AND SIMILAR DEFECTS IN PAINT OF THE STRUCTURAL STEEL, JOISTS AND STEEL DECK.
14. COMPOSITE BEAMS, NOTED (S.C.) STEEL SECTION DEPTH = D (INCH); Rc = REQUIRED REACTION CAPACITY FOR COMPOSITE BEAMS; R = UNIFORM LOAD CONSTANT BEAM REACTION.
   - FOR D > OR = 24" Rc = 1.5R.
   - FOR D > OR = 21", BUT LESS THAT 24' Rc = 1.75R.
   - FOR D > OR = 14", BUT LESS THAN 21' Rc = 2.OR.
   - FOR D LESS THAN 14" Rc = 2.25R.

5 /S0.1 STRUCTURAL STEEL NOTES N.T.S.

MASONRY
1. ALL REINFORCED CONCRETE MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING:
   ACI 530.1-95/ASCE 6-95/TMS 602-95 "SPECIFICATIONS FOR MASONRY STRUCTURES"
   ACI 530-95/ASCE 5-95/TMS 402-95 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
2. CONCRETE BLOCK SHALL CONFORM TO ASTM C-90. THE REQUIRED STRENGTH ON THE NET CROSS SECTIONAL AREA OF THE CONCRETE BLOCK SHALL BE 2,500 PSI.
3. MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
4. GROUT SHALL CONFORM TO ASTM C476. GROUT MAY BE PLACED BY THE "HIGH LIFT" METHOD, CONFORMING TO THE GROUTING PATTERNS REQUIRED BY THE CONTRACT DRAWINGS.
5. THE REQUIRED MINIMUM 28-DAY COMPRESSIVE STRENGTH OF THE COMBINATION OF CONCRETE BLOCK, GROUT AND MORTAR ON THE NET AREA OF THE WALL (F'm) SHALL BE MINIMUM OF 1,830 PSI.
6. ALL CONCRETE BLOCK MASONRY UNITS SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
7. MASONRY BLOCK CELLS CONTAINING VERTICAL REINFORCING SHALL BE GROUTED SOLID. FILLING CELLS WITH MORTAR IS UNACCEPTABLE.
8. THE BASE OF EACH CELL IN WHICH A BAR IS PLACED, MUST HAVE A CLEANOUT HOLE.
9. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. VERTICAL REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS.
10. PROVIDE CONTINUOUS REINFORCED BOND-BEAMS IN ALL REINFORCED MASONRY WALLS AT TOPS OF WALLS, IMMEDIATELY BELOW STEEL BEARINGS AND WHEREVER CALLED FOR IN CONTRACT DRAWINGS. BOND BEAM REINFORCING SHALL EXTEND INTO AND BE CONTINUOUS WITH ALL INTERSECTING BOND BEAMS
11. REINFORCED MASONRY WALLS SHALL HAVE #9 GAUGE (TRUSS TYPE) HORIZONTAL REINFORCING AT SPACING AS NOTED ON THE CONTRACT DRAWINGS, BUT AT A MAXIMUM OF 16" O.C.
12. FILL CORES OF MASONRY UNDER ALL BEARING PLATES FOR A WIDTH EQUAL TO THREE TIMES THE BEARING PLATE LENGTH FOR THREE COURSES BELOW BEARING.
13. ANCHORED MASONRY VENEER SHALL COMPLY WITH ACI 530/ASCE 5/TMS 402. SPACE ANCHORS AT A MAXIMUM OF 32" HORIZONTALLY AND 18" VERTICALLY. PROVIDE ADDITIONAL ANCHORS AROUND ALL OPENINGS LARGER THAN 16" IN EITHER DIMENSION. SPACE ANCHORS MAX 3' O C WITH 12" OF OPENING.
14. HOLLOW CONCRETE BLOCK UNITS, GRADEN, f´m= 2,OOO PSI
15. GROUT = 2,000 PSI.
16. MORTAR = TYPE S = 2,000 PSI ABOVE GRADE
    MORTAR = TYPE M = 2,500 PSI BELOW GRADE
17. JOINT REINFORCEMENT - NEW MASONRY WALLS TO BE REINFORCED W/ 9 GAUGE DUR-O-WAL EVERY OTHER BLOCK COURSE.
18. SEE PLANS FOR VERTICAL MASONRY CONTROL JOINT LOCATIONS (V.M.C.J.) (U.N.O. SPACE 24´-0" O.C. OR 1.5 TIMES WALL HT (WHICHEVER IS LESS), 10' FROM CORNERS, UNLESS NOTED OTHERWISE)
19. MAXIMUM GROUT LIFT WITHOUT CLEAN-OUTS = 4'-0" MAXIMUM GROUT LIFT WITH CLEAN-OUTS = 8'-0"
20. SEE ARCHITECTURAL PLANS FOR REQUIRED FIRE RATINGS.
21. PROVIDE BOND BEAM W/ 2-#4 CONT. AT TOP OF MASONRY WALLS (U.N.O.)
22. ALL VERTICAL REINFORCING SHALL BE CONTINUOUS GROUTED IN CELLS
23. CHECK ELECTRICAL PLANS TO LOCATE ANY ELECTRICAL CONDUIT TO BE INSTALLED IN MASONRY CORE.
24. FULL MORTAR BED JOINTS ARE REQUIRED, TYPICAL.
25. ON EXTERIOR WALLS, PROVIDE WEEP HOLES, TO THE EXTERIOR ABOVE LINTELS AND AT BOTTOM OF WALL.
26. PROVIDE SPECIAL BLOCKS AT CORNERS, LINTELS, JAMBS, AND WALL ENDS.
27. SEE MASONRY DETAILS BELOW.
28. VENEER LINTEL:

SPAN	MEMBER	BRG
7'-4"	L3-1/2"x3-1/2"x5/16" LLV	6"
9'-0"	L5"x3-1/2"x5/16" LLV	8"
10'-0"	L6"x3-1/2"x5/16" LLV	8"
12'-0"	L6"x4"x5/16" LLV	8"
14'-0"	L7"x4"x5/16" LLV	8"
16'-0"	L8"x4"x1/2" LLV	8"

6 /S0.1 MASONRY NOTES N.T.S.

1. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING STANDARDS:
   ACI 301 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
   ACI MCP - "MANUAL OF CONCRETE PRACTICE"
   ACI 318 - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
   ACI 318.1 - "BUILDING CODE REQUIREMENTS FOR STRUCTURAL PLAIN CONCRETE"
2. CONCRETE SHALL HAVE A MINIMUM 28-DAY ULTIMATE COMPRESSIVE STRENGTH AS FOLLOWS (U.N.O.):
   STRUCTURAL SLABS: 4,000 PSI
   SLABS-ON-GRADE: 4,000 PSI
   FOOTINGS AND WALL: 4,000 PSI
   PRECAST CONCRETE: 5,000 PSI
   EXTERIOR EXPOSED CONCRETE: 4,000 PSI
3. CONCRETE MIX DESIGN (INCLUDING AGGREGATE SIZE, WATER/CEMENT RATIO, AIR ENTRAINMENT, ADMIXTURES AND SLUMP) SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY WORK.
   MAXIMUM WATER/CEMENT RATIO IS:
   0.50 FOR SLABS ON GRADE
   0.54 FOR BELOW GRADE CONCRETE
   0.48 FOR EXPOSED CONCRETE
4. CONCRETE TO BE EXPOSED TO THE WEATHER SHALL HAVE AIR-ENTRAINING ADMIXTURE AS REQUIRED TO PROVIDE 4-6% AIR ENTRAINMENT.
5. CONCRETE STRENGTH SHALL BE EVALUATED ACCORDING TO METHOD 1 OR METHOD 2 AS PRESCRIBED IN ACI 301. THE RESULTS OF THESE ANALYSES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ANY WORK.
6. CONTRACTOR SHALL MAKE PROVISIONS TO CAST FOUR TEST CYLINDERS FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED OR FOR ANY ONE DAY'S CONFORMANCE TO ASTM C31 AND TESTING SPECIMENS IN CONFORMANCE TO ASTM C39.
7. CONSTRUCTION JOINTS SHOWN ON THE CONTRACT DRAWINGS SHALL NOT BE ALTERED WITHOUT WRITTEN APPROVAL OF THE SUPERVISING PROFESSIONAL.
8. DRAWINGS SHOWING THE LOCATION OF CONSTRUCTION JOINTS, CONTROL JOINTS AND PLACING SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE PREPARATION OF REINFORCING SHOP DRAWINGS.
9. GROUT USED TO SET PLATES SHALL BE NON-SHRINK AND NON-METALLIC.
10. CONTRACTOR SHALL USE SMOOTH FORMS FOR EXPOSED CONCRETE SURFACES. BOARD FORMS MAY BE USED FOR UNEXPOSED CONCRETE SURFACES. EARTH FORMS ARE FORBIDDEN.
11. PROVIDE A MINIMUM OF 6" COMPACTED GRANULAR FILL UNDER ALL SLABS-ON-GRADE.
12. FLATWORK SUBCONTRACTOR SHALL SUBMIT FLOOR SLAB PLACEMENT SEQUENCE TO ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.

1 /S0.1 CONCRETE NOTES N.T.S.

1. FOUNDATION WORK FOR THIS PROJECT SHALL CONSIT OF SPREAD FOOTINGS, CONTINUOUS WALL FOOTING AND SLABS-ON-GRADE
2. FOUNDATIONS ARE DESIGNED TO BE SUPPORTED ON APPROVED EXISTING SUBGRADE OR AN APPROVED COMPACTED STRUCTURAL FILL HAVING A PRESUMED BEARING CAPACITY OF 2000 PSF.
3. ALL EXTERIOR FOUNDATIONS SHALL BEAR ON APPROVED SUBGRADE AT A MINIUMUM DEPTH OF 4'-0" BELOW ADJACENT FINISH EXTERIOR GRADE.
4. FOOTING ELEVATIONS SHOWN ON THE DRAWINGS REPRESENT ESTIMATED DEPTHS AND ARE NOT TO BE CONSTRUED AS LIMITING THE AMOUNT OF EXCAVATION REQUIRED TO REACH SUITABLE BEARING MATERIAL.
5. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS AS REQUIRED TO PREVENT HORIZONTAL MOVEMENT OR VERTICAL SETTLEMENT WHICH WILL ENDANGER ADJACENT STRUCTURES, STREETS OR UTILITITIES.
6. CONTRACTOR SHALL PROVIDE CONTROL OF SURFACE AND SUBSURFACE WATER PROMPTLY TO INSURE THAT ALL FOUNDATION WORK IS DONE IN THE DRY.
7. NO FOUNDATION(S) SHALL BE PLACED ON FROZEN SUBGRADE
8. PROTECT IN-PLACE FOUNDATIONS AND SLABS-ON-GRADE FROM FROST PENETRATION UNTIL THE PROJECT IS COMPLETE.
9. FOUNDATION WALLS SHALL BE BRACED DURING BACKFILLING AND COMPACTION OPERATIONS. BRACING SHALL BE LEFT IN POSITION UNTIL PERMANENT STRUCTURAL SUPPORT SYSTEM IS INSTALLED AND APPROVED BY ENGINEER.
10. BACKFILLING SHALL BE DONE SIMULTANEOUSLY ON BOTH SIDES OF WALL.

2 /S0.1 FOUNDATION NOTES N.T.S.

1. DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING:
   ACI 315 - "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
   ACI 318 - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
   MSP2 - "CRSI MANUAL OF STANDARD PRACTICE"
   AWS D1.4 - "STRUCTURAL WELDING CODE - REINFORCING STEEL"
   WRI - "WELDED WIRE FABRIC MANUAL OF STANDARD PRACTICE"
2. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615 (GRADE 60), DEFORMED WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
3. REINFORCEMENT FABRICATOR SHALL PROVIDE AND SCHEDULE ON SHOP DRAWINGS ALL REQUIRED REINFORCING STEEL AND THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN PLACE AT THE CORRECT LOCATIONS.
4. CLEARANCES FOR REINFORCEMENT: CONCRETE PLACED DIRECTLY ON EARTH (FOOTINGS, SLABS, ETC.) 3" FROM BOTTOM. ALL OTHER CONCRETE PROVIDE 2" CLEAR TO REINFORCING.
5. SUBCONTRACTOR SHALL REFER TO TYPICAL DETAILS SHOWN ON CONTRACT DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
6. WHERE REINFORCEMENT IS REQUIRED IN SECTIONS, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER SECTION APPLIES.
7. WELDED WIRE FABRIC SHALL LAP A MINIMUM OF 6" AND BE TIED TOGETHER.
8. CONTRACTOR SHALL NOTIFY ENGINEER OF COMPLETION OF REINFORCEMENT INSTALLATION AND ALLOW AT LEAST 24 HOURS BEFORE SCHEDULED CONCRETE PLACEMENT FOR ENGINEER TO INSPECT REINFORCEMENT.

3 /S0.1 REINFORCEMENT NOTES N.T.S.

1. ALL COLD FORMED STRUCTURAL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING:
   AISI "SPECIFICATIONS FOR THE DESIGN OF LIGHT-GAUGE COLD-FORMED STEEL STRUCTURAL MEMBERS"
   AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
2. COLD FORMED STEEL SHALL CONFORM TO THE FOLLOWING:
   LIGHT GAUGE STUDS, JOISTS, TRACKS AND ACCESORIES; ASTM A 653/653 M, G60 GALVANIZED.
   ASTM A653 COLD FORMED GALVANIZED LIGHT GAUGE FRAMING MEMBERS.
   STUDS AND JOISTS SHALL BE CHANNEL SHAPED WITH LIPPED FLANGES, PUNCHED WEB, SIZE, GAUGE AND GRADE AS SHOWN ON THE DRAWINGS (AS REQUIRED BY STRUCTURAL CALCULATIONS).
   TRACKS SHALL BE CHANNEL SHAPED SOLID WEB, DEPTH COMPATIBLE WITH STUDS, GAUGE AND GRADE AS SHOWN ON THE DRAWINGS (AS REQUIRED BY STRUCTURAL CALCULATIONS).
   FRAMING ACCESORIES SHALL HAVE A MINIMUM YIELD STRENGTH OF 65 KSI.
   SCREWS SHALL BE CORROSION RESISTANT, SELF DRILLING PAN OR HEX WASHER HEAD, AS SHOWN ON THE DRAWINGS (AS REQUIRED BY STRUCTURAL CALCULATIONS).
   POWDER ACTUATED FASTENERS: AISI 1062 OR 1065 STEEL, MINIMUM CORE HARDNESS 50 TO 54 HRC AND ZINC PLATED IN ACCORDANCE WITH ASTM B633.
   DIAMETER AND LENGTH AS SHOWN ON THE DRAWINGS (AS REQUIRED BY STRUCTURAL CALCULATIONS).
   ALL LIGHT GAUGE FRAMING MEMBERS SHALL BE DIETRICH CSJ SERIES UNLESS NOTED OTHERWISE.

4 /S0.1 STRUCTURAL COLD FORMED STEEL NOTES N.T.S.

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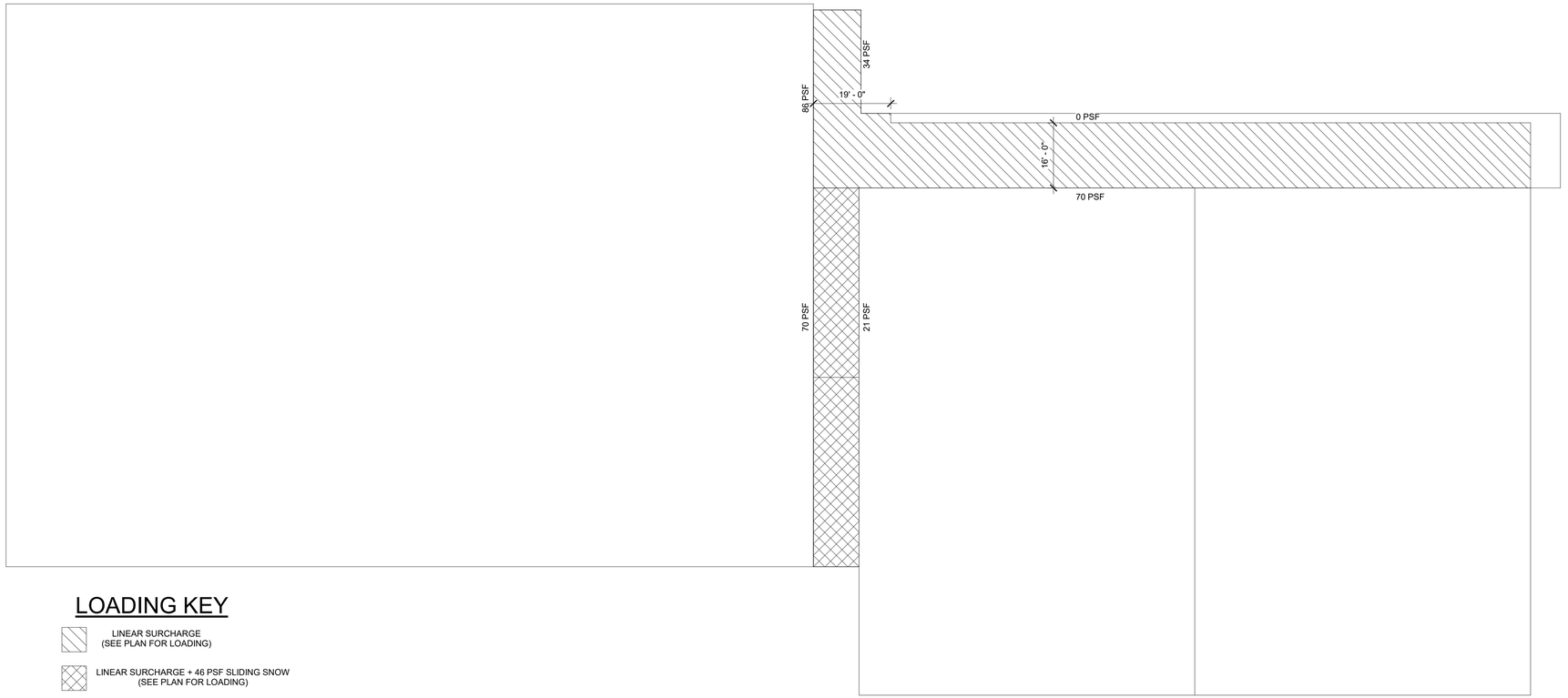
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STRUCTURAL DESIGN CRITERIA

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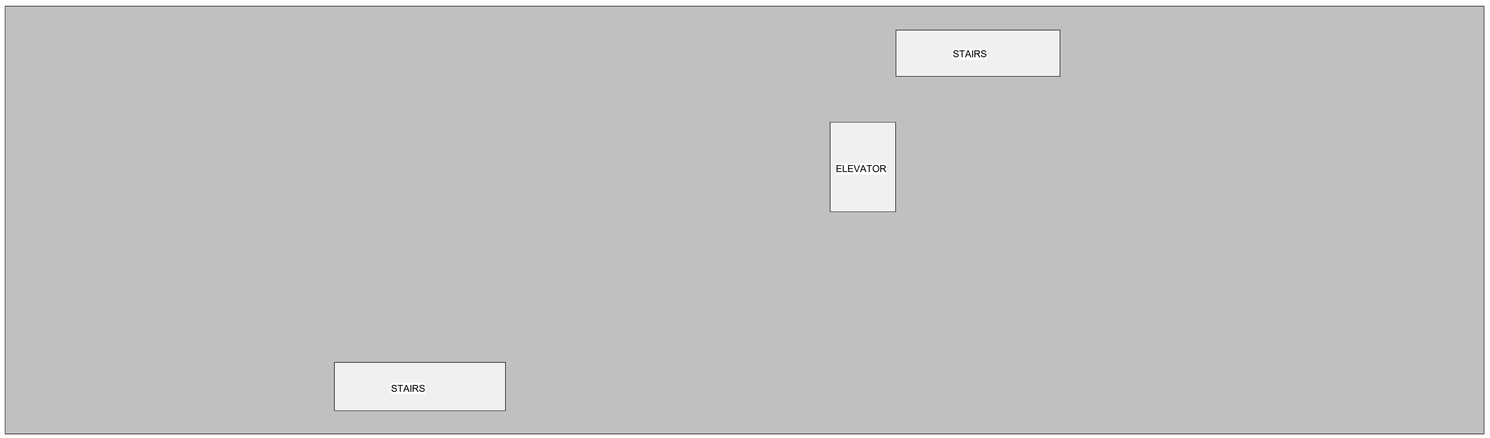
LOADING KEY

LINEAR SURCHARGE
(SEE PLAN FOR LOADING)

LINEAR SURCHARGE + 46 PSF SLIDING SNOW
(SEE PLAN FOR LOADING)

LOADING PLAN - ROOF

1 /S0.2 SCALE = 1/16" = 1'-0"



LOADING KEY

80 PSF OFFICE LOADING

LOADING PLAN - 2ND FLOOR

2 /S0.2 SCALE = 1/8" = 1'-0"

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WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

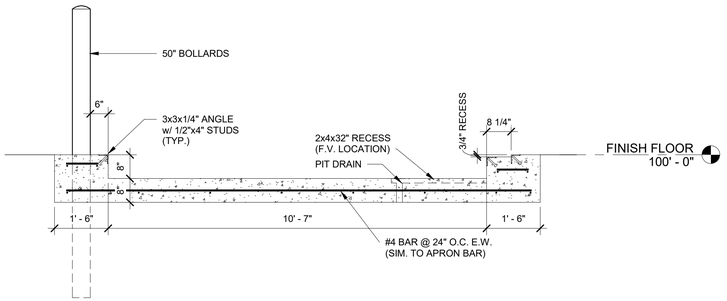
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ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

LOADING PLANS

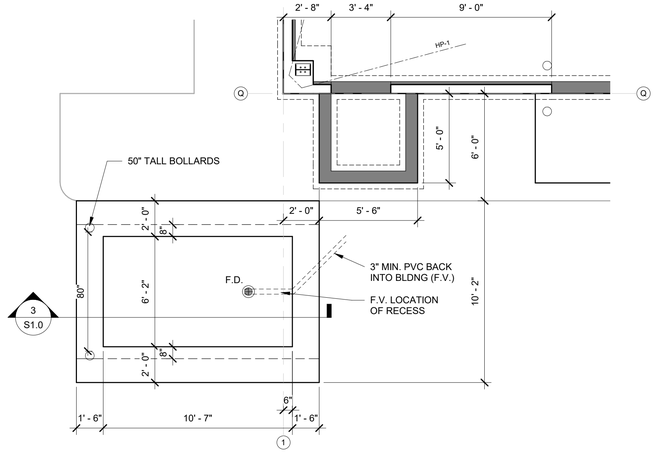
S0.2

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LIFT SECTION

3 /S1.0 SCALE = 1/2" = 1'-0"

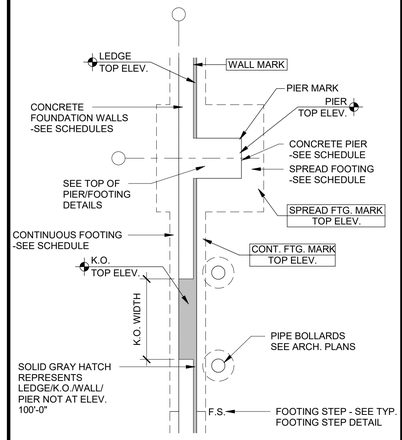


FOUNDATION PLAN - ENLARGED LIFT AREA

2 /S1.0 SCALE = 1/4" = 1'-0"

NORTH

FOUNDATION PLAN SYMBOLS



BAYLAND

BAYLAND BUILDINGS

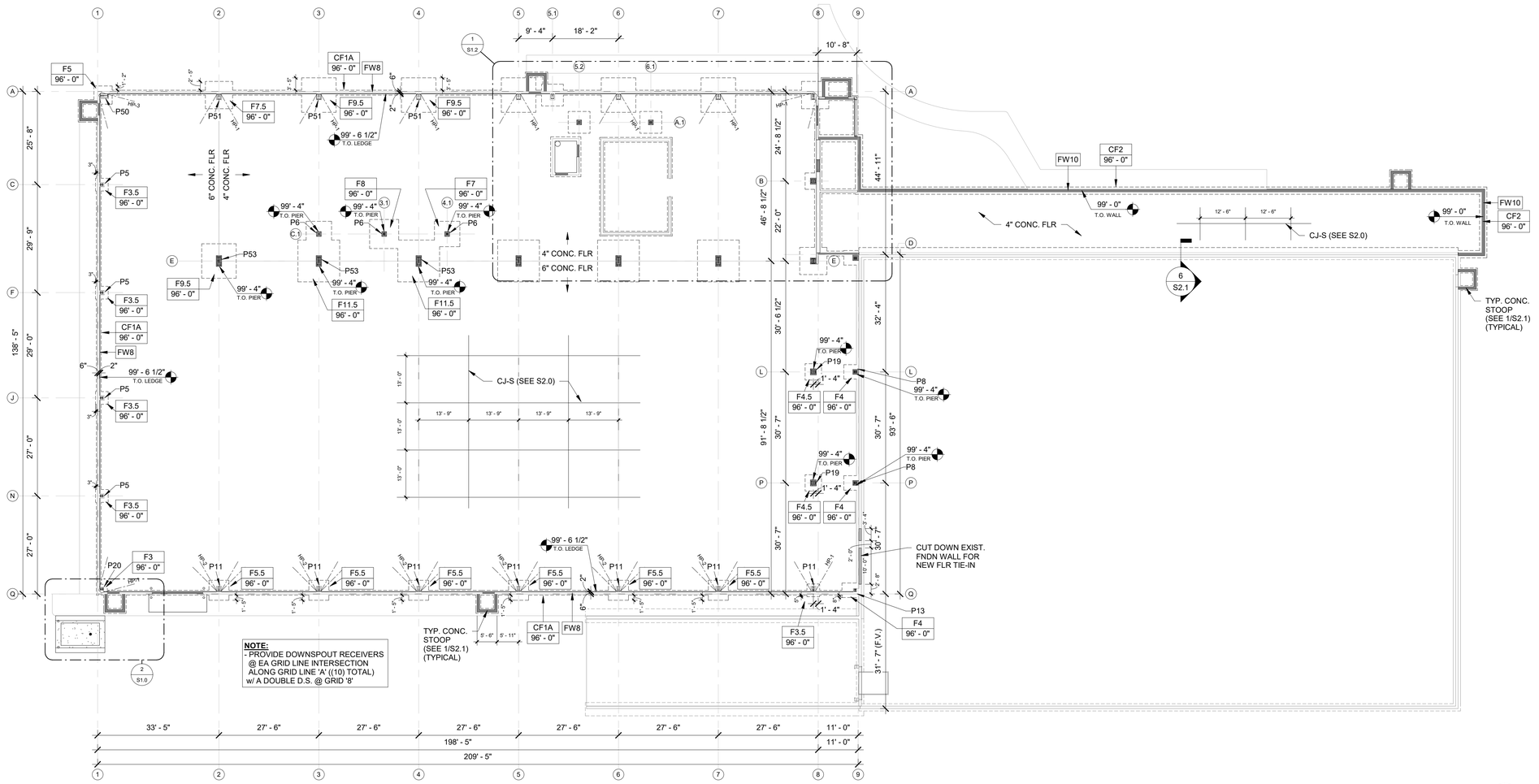
P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com

DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON



FOUNDATION PLAN - OVERALL

1 /S1.0 SCALE = 1/16" = 1'-0"

NORTH

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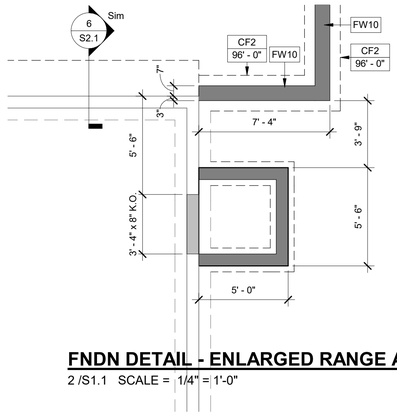
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[ ] BID SET		
[ ] DESIGN REVIEW	MR/SM/LP	12/19/22
[X] CHECKSET		
[ ] CONSTRUCTION		

FOUNDATION PLAN - OVERALL

S1.0

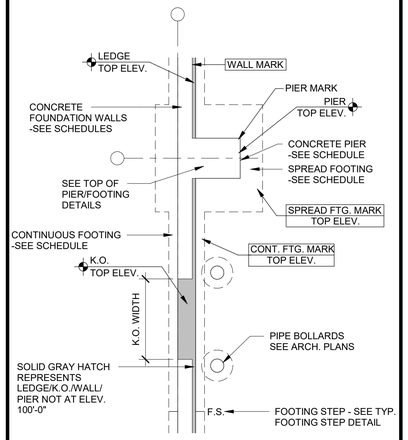
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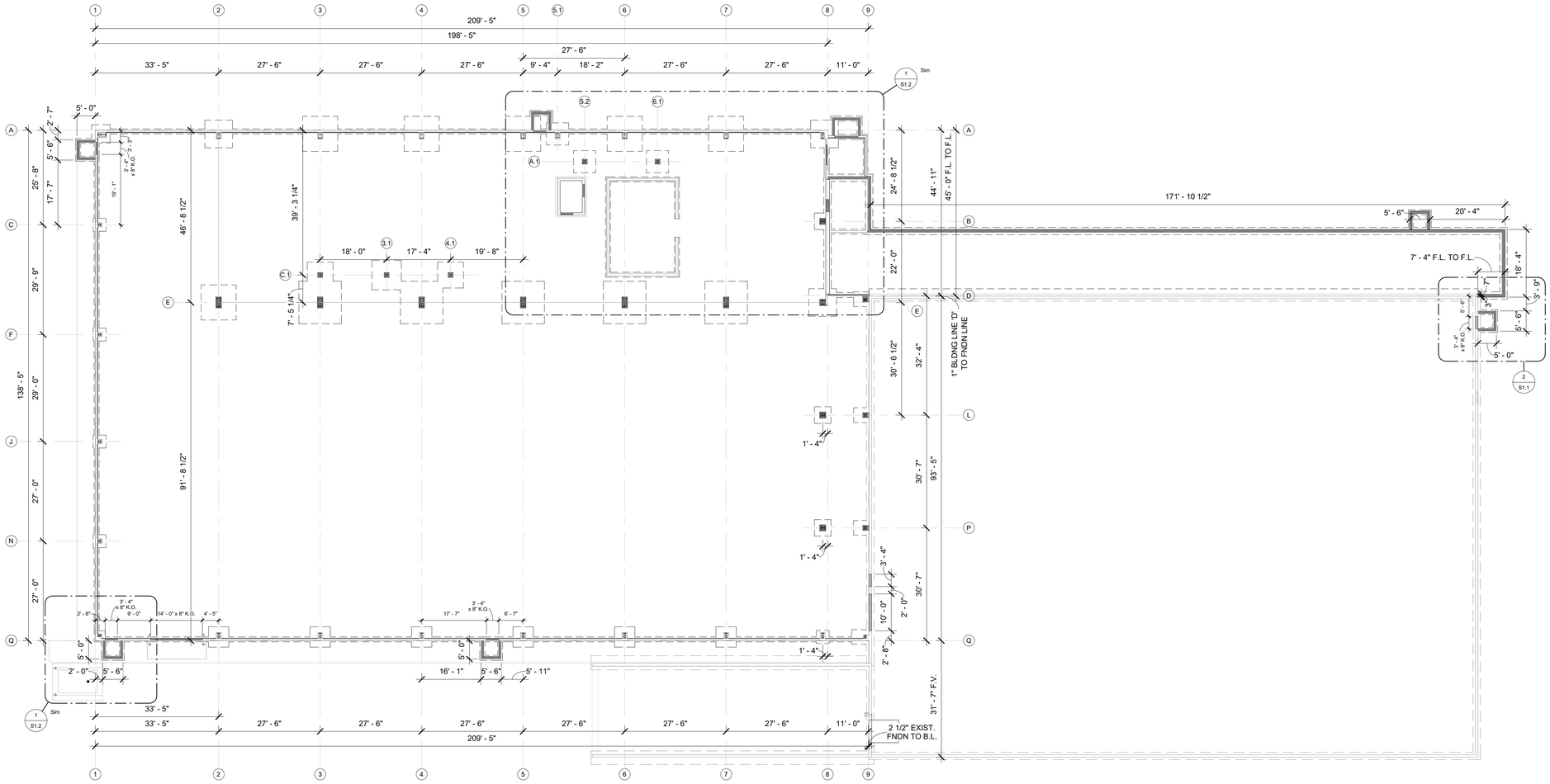


FNDN DETAIL - ENLARGED RANGE AREA
2 /S1.1 SCALE = 1/4" = 1'-0"

NORTH

FOUNDATION PLAN SYMBOLS





FOUNDATION PLAN - DIMENSION PLAN
1 /S1.1 SCALE = 1/16" = 1'-0"

NORTH

BAYLAND

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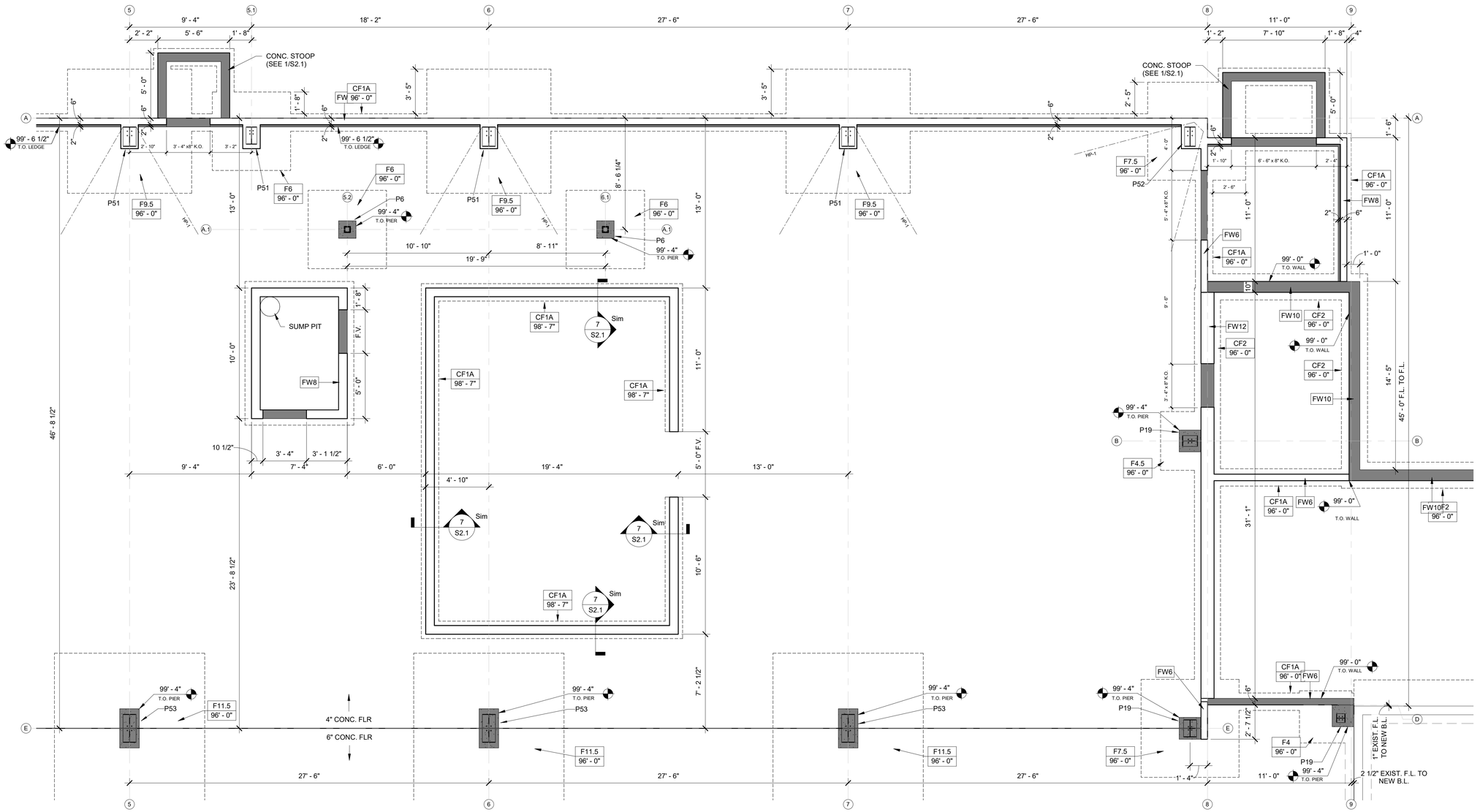
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☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
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FOUNDATION PLAN - DIMENSION PLAN

S1.1

1/9/2023 12:35:14 PM

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FOUNDATION PLAN - ENLARGED PLAN

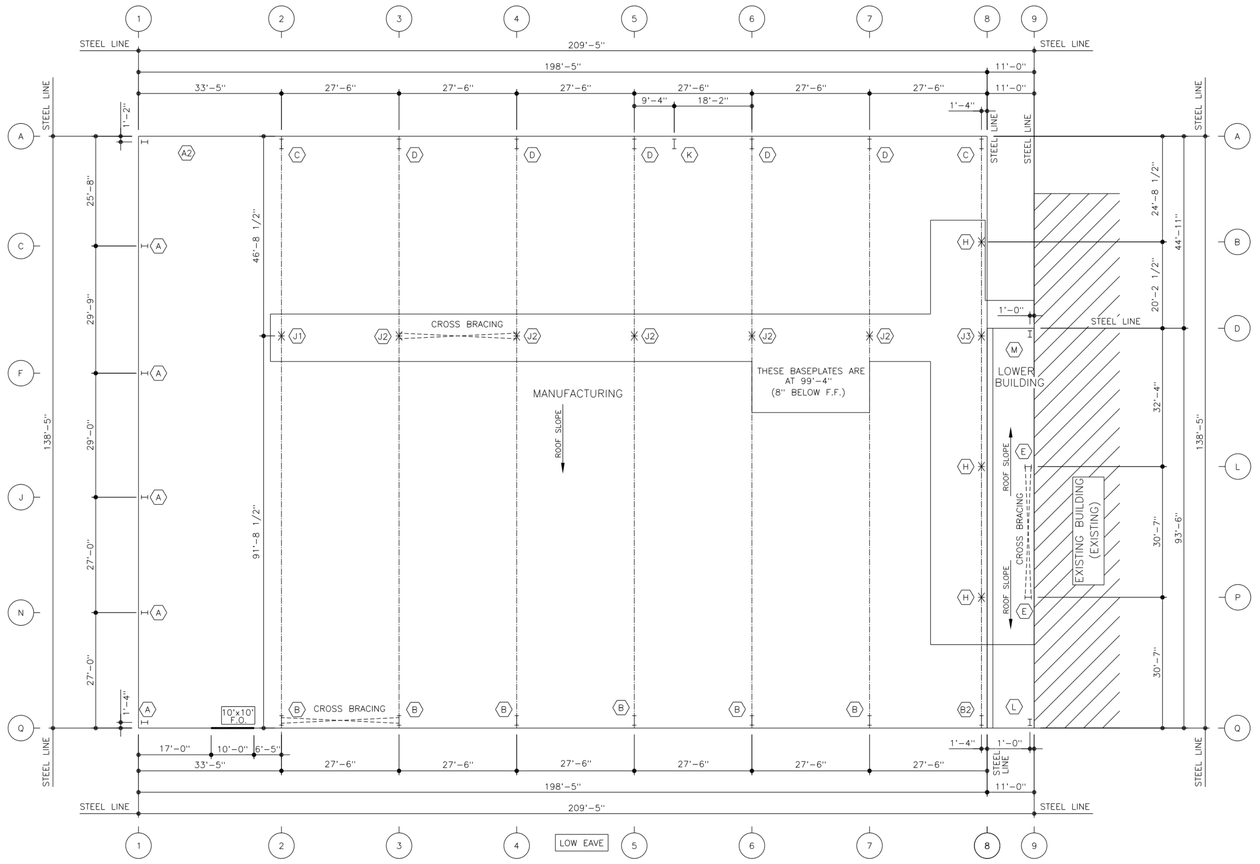
S1.2

FOUNDATION PLAN - ENLARGED

1 /S1.2 SCALE = 1/4" = 1'-0"

NORTH

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ANCHOR ROD PLAN

ANCHOR ROD PLAN GENERAL NOTES

AN1: THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR ROD MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER. ANCHOR ROD EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION ENGINEER.

AN2: METAL BUILDING MAUNFACTURER IS NOT RESPONSIBLE FOR PROJECT FOUNDATION DESIGN. THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS

AN3: ANCHOR RODS, NUTS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS AND CONCRETE / MASONRY EMBEDMENT PLATES ARE NOT BY THE METAL BUILDING MANUFACTURER.

AN4: THE ANCHOR ROD LOCATIONS PROVIDED BY THE METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO MAKE CERTAIN THAT SUFFICIENT EDGE DISTANCE IS PROVIDED FOR ALL ANCHOR RODS IN THE DETAILS OF THE FOUNDATION DESIGN.

AN5: DRAWINGS ARE NOT TO SCALE. SEE DETAILS FOR COLUMN ORIENTATION.

AN6: THE ANCHOR ROD PLAN INDICATES WHERE THE ANCHOR RODS ARE TO BE PLACED AS WELL AS THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE ANCHOR ROD PATTERNS BE FOLLOWED. IF THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY - BEFORE CONCRETE IS PLACED.

AN7: SINGLE "CEE" COLUMNS SHALL BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS NOTED OTHERWISE.

AN8: ALL DIMENSIONS ARE OUT TO OUT OF STEEL. IF A CONCRETE NOTCH IS REQUIRED THEN THE REQUIRED DIMENSION SHOULD BE ADDED TO OBTAIN THE OUT TO OUT OF CONCRETE DIMENSIONS.

TYPICAL BASEPLATE ELEVATION

FINISHED FLOOR = 100'-0"

BOTTOM OF BASEPLATE ELEVATION = 100'-0"

(AT FINISHED FLOOR U.N.O.)

ANCHOR ROD SCHEDULE

QUANTITY	SIZE	MATERIAL	PROJECTION
60	3/4"	F1554 GR 36	3" FROM BOTTOM OF BASE PLATE
82	1"	F1554 GR 36	3" FROM BOTTOM OF BASE PLATE
-	1 1/4"	F1554 GR 36	3" FROM BOTTOM OF BASE PLATE

BUILDING REFERENCE LINES

NOTE: ANCHOR BOLT DIMENSIONS PROVIDED BY THE METAL BUILDING MANUFACTURER ARE WITH RESPECT TO THE METAL BUILDING MANUFACTURER'S DEFINITION OF BUILDING LINE. BUILDING LINE CAN DIFFER FROM FOUNDATION LINE. REFERENCE ALL BUILDING PLAN SHEETS WHEN SETTING ANCHOR BOLTS OFF OF REFERENCE LINES

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NUCOR BUILDING SYSTEMS GROUP
MBMA
PHONE: (260) 837-7891
FAX: (260) 837-7384

JOB NUMBER: W22A0508A
PROJECT NAME: Griffin Armament Watertown, Jefferson, WI
BUYER NAME: Bayland Buildings, INC
DRAWING STATUS: FOR CONSTRUCTION
SHEET: F1
DRAWING TITLE: ANCHOR ROD PLAN
11/09/2022 02:48:57 pm

#	RELEASE / REVISION	DWN / CHK	ENG	DATE
0	ANCHOR RODS	DAS / MSM	DNM	11/09/2022

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ANCHOR BOLT PLAN

S1.3

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IMPORTANT NOTES ABOUT BASE PLATES BELOW FINISHED FLOOR ELEVATION

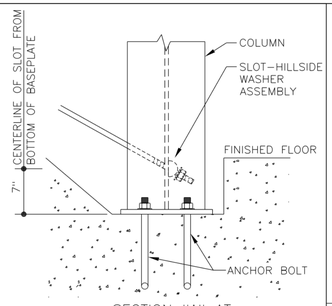
NUCOR BUILDING SYSTEMS ASSUMES THAT THE PRIMARY STRUCTURAL STEEL WILL BE ERECTED PRIOR TO THE FINISHED FLOOR BEING POURED.

THE FOLLOWING DETAILS SHOW THE STANDARD NUCOR BRACING LOCATIONS IN RELATION TO THE FINISHED FLOOR ELEVATION.

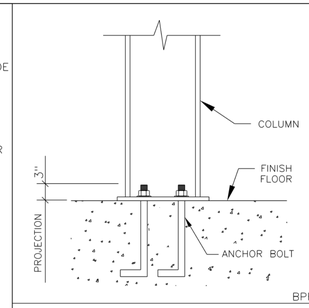
WHEN THE STANDARD WEB SLOT–HILLSIDE WASHER CONNECTION IS REQUIRED, (SECTION "A") THE SLOT WILL BE PLACED 7" ABOVE THE BOTTOM OF THE BASE PLATE ELEVATION (NOMINAL DIMENSION).

WHEN A CLEVIS BRACING OR ANGLE BRACING ATTACHMENT IS REQUIRED BY DESIGN (SECTION "B"), THE SHOP WELDED CLEVIS PLATE AT THIS CONNECTION WILL BE LOCATED AT THE TOP OF THE BASE PLATE.

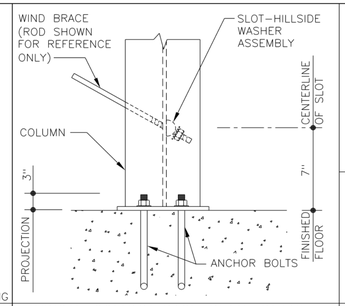
IT IS THE ERECTOR'S RESPONSIBILITY TO ALLOW ADEQUATE ROOM IN THE POURING OF THE SLAB FOR BRACING CLEARANCE.



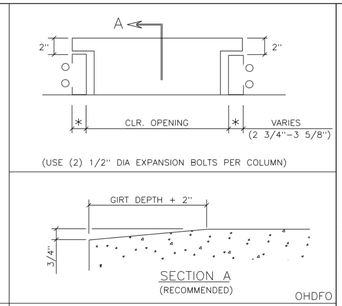
SECTION "A" AT SLOT–HILLSIDE WASHER CONNECTION



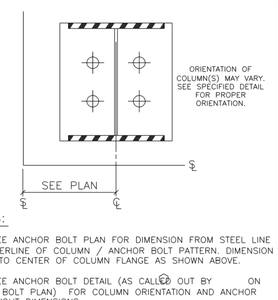
TYPICAL COLUMN BASE PLATE DETAIL



TYPICAL COLUMN BASE PLATE DETAIL AT SLOT–HILLSIDE WASHER LOCATION



TYPICAL OVERHEAD DOOR FRAMED OPENING

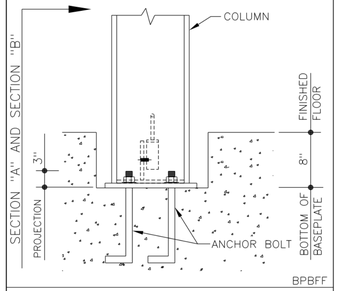


NOTES:

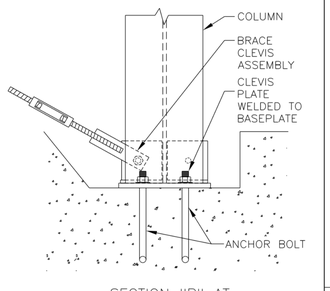
SEE ANCHOR BOLT PLAN FOR DIMENSION FROM STEEL LINE TO CENTERLINE OF COLUMN / ANCHOR BOLT PATTERN. DIMENSION PULLED TO CENTER OF COLUMN FLANGE AS SHOWN ABOVE.

SEE ANCHOR BOLT DETAIL (AS CALLED OUT BY ON ANCHOR BOLT PLAN) FOR COLUMN ORIENTATION AND ANCHOR BOLT LAYOUT DIMENSIONS.

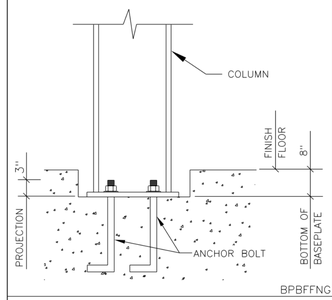
TYPICAL CORNER COLUMN LOCATION NOTES



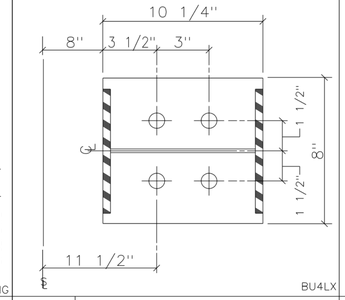
TYPICAL COLUMN BASE PLATE DETAIL



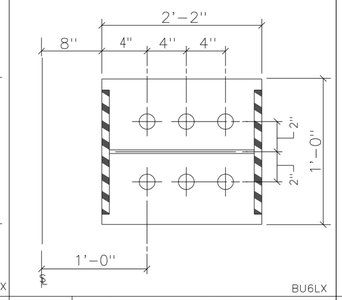
SECTION "B" AT BRACE CLEVIS CONNECTION



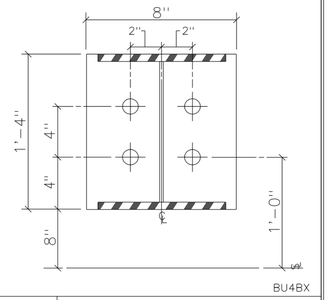
TYPICAL COLUMN BASE PLATE DETAIL



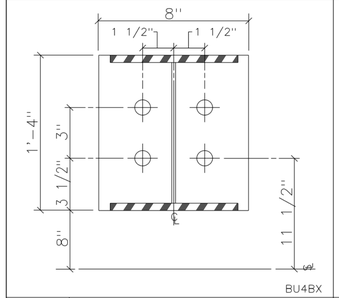
A | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



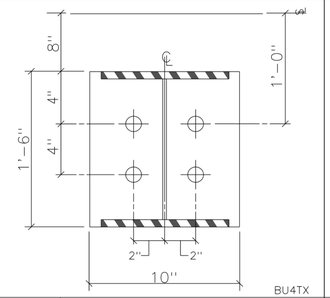
A2 | (6) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



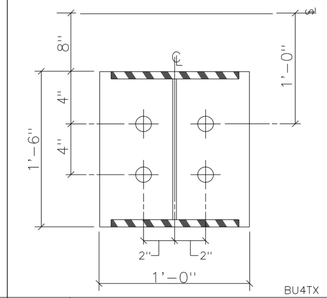
B | (4) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



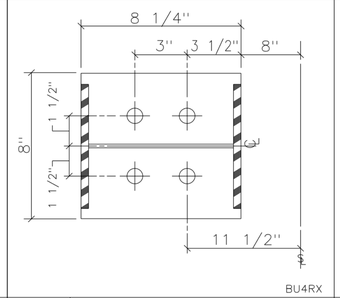
B2 | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



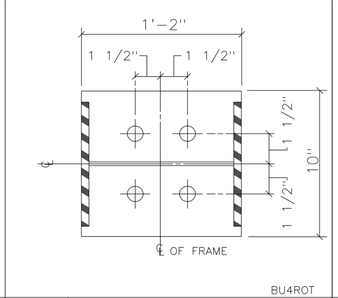
C | (4) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



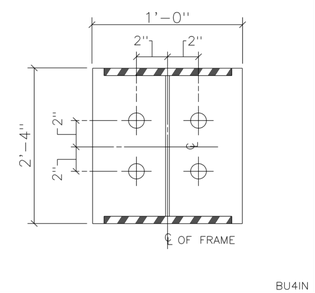
D | (4) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



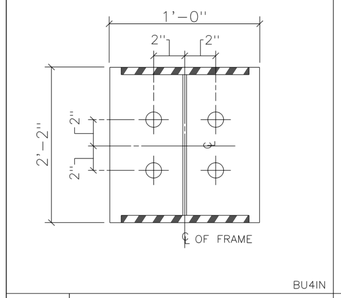
E | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



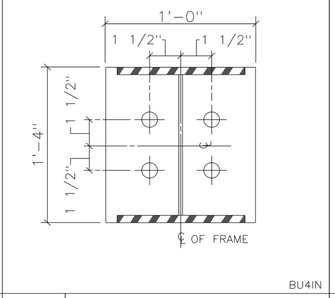
H | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



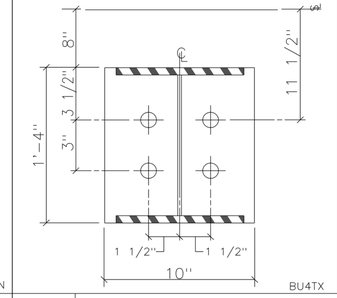
J1 | (4) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



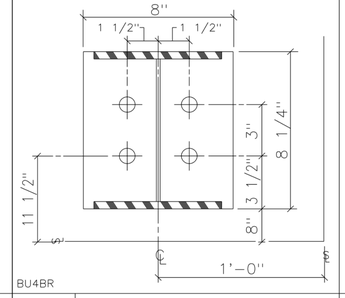
J2 | (4) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



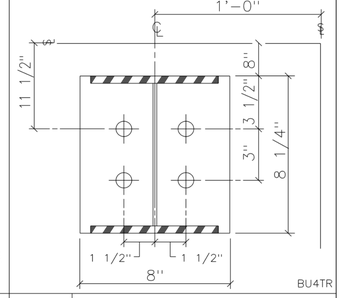
J3 | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



K | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



L | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



M | (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION

PEMB NOTES

1) ALL ANCHORS TO BE ANCHOR 'A' SEE DETAIL S4.0
2) ALL ANCHOR EMBEDMENT 12"

JOB NUMBER W22A0508A
PROJECT NAME Griffin Armament
Watertown, Jefferson, WI
BUYER NAME Bayland Buildings, INC
DRAWING STATUS FOR CONSTRUCTION
SHEET F2
DRAWING TITLE ANCHOR ROD DETAILS

#	RELEASE / REVISION	DWN / CHK	DATE
0	ANCHOR RODS	DAS / MSM	11/09/2022

NUCOR BUILDING SYSTEMS GROUP
MBMA
PHONE: (260) 837-7891
FAX: (260) 837-7384
ACCREDITED
CERTIFIED CSA W47.1
11/09/2022 02:48:56pm

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF:
JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS, WORK OR BUILDING REPRESENTED, CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

ANCHOR BOLT DETAILS

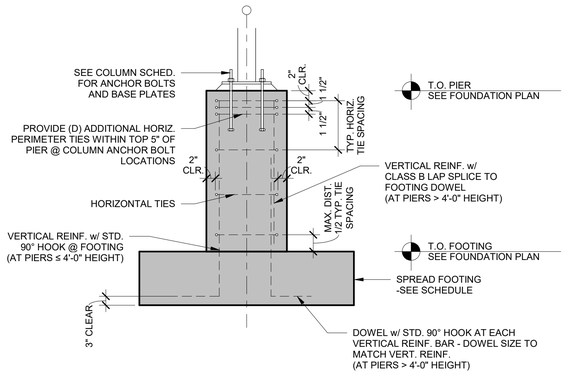
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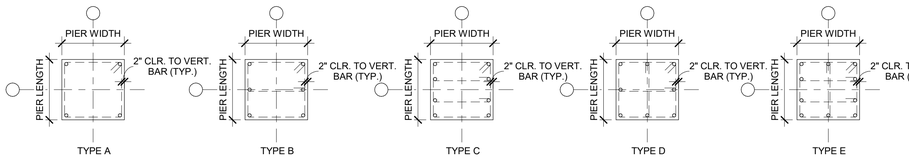
PIER SCHEDULE						
MARK	SIZE		VERTICAL REINF.	HORIZONTAL TIES	REINF. TOP VIEW	REMARKS
	WIDTH	LENGTH				
P5	14"	22"	(6) #5	#3 @ 12" O.C.	TYPE B	
P6	16"	16"	(6) #5	#3 @ 12" O.C.	TYPE B	
P8	16"	20"	(6) #5	#3 @ 12" O.C.	TYPE B	
P11	16"	26"	(8) #5	#3 @ 12" O.C.	TYPE C	
P13	18"	18"	(6) #5	#3 @ 12" O.C.	TYPE B	
P19	20"	20"	(6) #5	#3 @ 12" O.C.	TYPE B	
P20	20"	22"	(8) #5	#3 @ 12" O.C.	TYPE D	
P50	36"	24"		#3 @ 12" O.C.	TYPE D	
P51	16"	28"		#3 @ 12" O.C.	TYPE C	
P52	24"	28"		#3 @ 12" O.C.	TYPE E	
P53	18"	36"		#3 @ 12" O.C.	TYPE B	

CONCRETE PIER SCHEDULE NOTES:

- ALL PIERS ARE CENTERED ON GRID INTERSECTIONS UNLESS NOTED ELSEWHERE ON PLANS
- SEE **TYPICAL PIER DETAIL** FOR TYPICAL CONSTRUCTION & NOTES
- SEE **FOUNDATION PLAN** FOR TOP OF PIER ELEVATIONS
- SEE **FOUNDATION PLAN** FOR PIER ORIENTATION
- SEE **COLUMN SCHEDULE** FOR COLUMN ANCHOR BOLT INFORMATION
- VERTICAL REINF. BARS SHALL BE EQUALLY SPACED, U.N.O.
- SEE **REINFORCING TOP VIEW DETAILS** FOR ORIENTATION OF VERTICAL REINFORCING
- HORIZONTAL TIES SHALL MEET REQ'S OF ACI 318-7.10.5.3 FOR LATERAL SUPPORT OF VERTICAL REINFORCING



TYP. CONCRETE PIER DETAIL

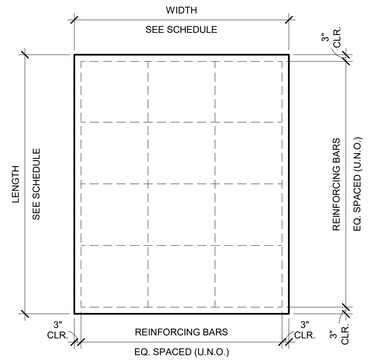


PIER REINF. TYPES - TOP VIEW

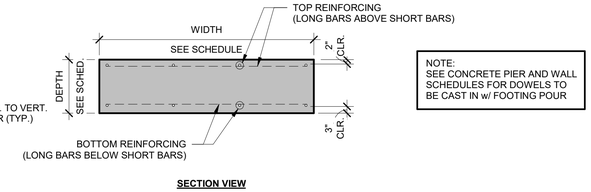
SPREAD FOOTING SCHEDULE								
MARK	FOOTING SIZE			REINFORCEMENT - LONG BARS		REINFORCEMENT - SHORT BARS		Remarks
	LENGTH	WIDTH	DEPTH	BOTTOM	TOP	BOTTOM	TOP	
F3	3' - 0"	3' - 0"	12"	(4) #4	-	(4) #4	-	
F3.5	3' - 6"	3' - 6"	12"	(3) #5	-	(3) #5	-	
F4	4' - 0"	4' - 0"	12"	(4) #5	-	(4) #5	-	
F4.5	4' - 6"	4' - 6"	12"	(4) #5	-	(4) #5	-	
F5	5' - 0"	5' - 0"	14"	(5) #5	-	(5) #5	-	
F5.5	5' - 6"	5' - 6"	14"	(6) #5	-	(6) #5	-	
F6	6' - 0"	6' - 0"	16"	(7) #5	-	(7) #5	-	
F7	7' - 0"	7' - 0"	18"	(9) #5	-	(9) #5	-	
F7.5	7' - 6"	7' - 6"	18"	(10) #5	-	(10) #5	-	
F8	8' - 0"	8' - 0"	20"	(8) #6	-	(8) #6	-	
F9.5	9' - 6"	9' - 6"	22"	(11) #6	-	(11) #6	-	
F11.5	11' - 6"	11' - 6"	24"	(14) #6	-	(14) #6	-	

SPREAD FOOTING SCHEDULE NOTES:

- ALL FOOTINGS ARE CENTERED ON COLUMN GRID LINE INTERSECTIONS UNLESS DIMENSIONED OTHERWISE
- SEE TYPICAL SPREAD FOOTING DETAIL FOR TYPICAL CONSTRUCTION & NOTES
- SEE FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS
- SEE FOUNDATION PLAN FOR FOOTING ORIENTATION
- SEE COLUMN SCHEDULE FOR COLUMN ANCHOR BOLT INFORMATION (WHERE APPLICABLE)



PLAN VIEW



SECTION VIEW

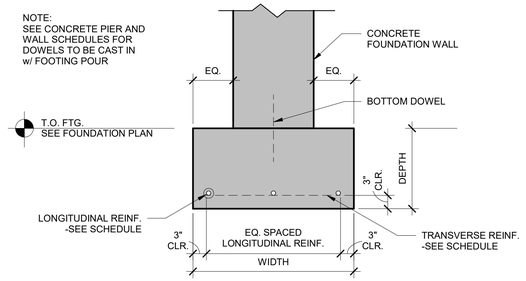
NOTE:
SEE CONCRETE PIER AND WALL SCHEDULES FOR DOWELS TO BE CAST IN w/ FOOTING POUR

TYP. SPREAD FOOTING DETAIL

CONTINUOUS FOOTING SCHEDULE					
MARK	FOOTING SIZE		REINFORCEMENT		
	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE	REMARKS
CF1A	1' - 4"	8"	(2) #4 BARS	-	
CF2	2' - 0"	12"	(2) #5 BARS	-	

CONTINUOUS FOOTING SCHEDULE NOTES:

- ALL FOOTINGS ARE CENTERED ON FOUNDATION WALLS UNLESS DIMENSIONED OTHERWISE ON PLANS
- SEE **TYPICAL CONTINUOUS FOOTING DETAIL** FOR TYPICAL CONSTRUCTION & NOTES
- SEE **FOUNDATION PLAN** FOR TOP OF FOOTING ELEVATIONS



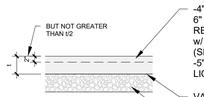
TYP. CONTINUOUS FOOTING DETAIL

FROST WALL SCHEDULE				
MARK	WIDTH	HORIZONTAL REINF.	BOTTOM DOWEL	REMARKS
FW6	6"	(2) #4 TOP & BOT.	STRAIGHT 30" #4 48" O.C.	
FW8	8"	(2) #4 TOP & BOT.	STRAIGHT 30" #4 48" O.C.	1-1/2 BD INSUL. (R7.5)
FW10	10"	(2) #4 TOP & BOT.	STRAIGHT 30" #4 48" O.C.	1-1/2 BD INSUL. (R7.5)
FW12	12"	(2) #4 TOP & BOT.	STRAIGHT 30" #4 48" O.C.	

CONCRETE FROST WALL SCHEDULE NOTES:

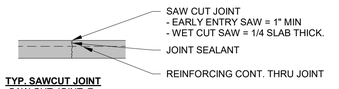
- SEE **TYPICAL CONCRETE FROST WALL DETAIL** FOR TYPICAL CONSTRUCTION & NOTES
- SEE **FOUNDATION PLAN** FOR TOP OF WALL & LEDGE (IF APPLICABLE) ELEVATIONS

TYP. CONCRETE FROST WALL DETAIL

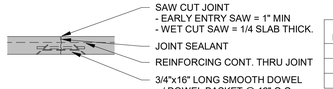


TYP. SLAB DETAIL

NOTE:
- PROVIDE SEALER @ AREAS OF EXPOSED CONCRETE

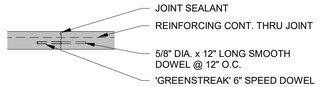


TYP. SAWCUT JOINT
-SAW CUT JOINT @
MAX 12'-6" O.C. U.N.O.



TYP. CONSTRUCTION JOINT
-CONSTRUCTION JOINT @
MAX 60'-0" O.C.

SLAB DEPTH	SPEED PLATE DIMENSIONS	SPACING
5"-6"	1/4" x 4" x 6"	18" O.C.
7"-8"	3/8" x 4" x 6"	18" O.C.
9"-11"	3/4" x 4" x 6"	18" O.C.



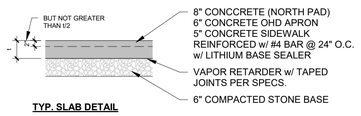
TYP. POUR JOINT
-POUR JOINT @ MAX 60'-0" O.C.

TYPICAL INTERIOR CONCRETE SLAB - MIX B7

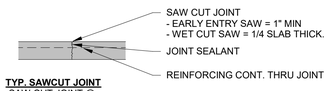
CONCRETE MIX KEY					
BAYLAND MIX	USE	COMPRESSIVE STRENGTH (PSI)	AGGREGATE (IN.)	AIR (%)	SLAG
A1	FOOTING / WALL	3,000	3/4	4-8	Y
A2	FOOTING / WALL	3,500	3/4	4-8	Y
A3	FOOTING / WALL	4,000	3/4	4-8	Y
B1	INTERIOR FLOOR	3,000	3/4	3-4	Y
B2	INTERIOR FLOOR	3,000	3/4	3-4	N
B3	INTERIOR FLOOR	3,500	3/4	3-4	Y
B4	INTERIOR FLOOR	3,500	3/4	3-4	N
B5	INTERIOR FLOOR	3,500	1-1/2	3-4	Y
B6	INTERIOR FLOOR	3,500	1-1/2	3-4	N
B7	INTERIOR FLOOR	4,000	3/4	3-4	Y
B8	INTERIOR FLOOR	4,000	3/4	3-4	N
B9	INTERIOR FLOOR	4,000	1-1/2	3-4	Y
B10	INTERIOR FLOOR	4,000	1-1/2	3-4	N
C1	EXTERIOR FLATWORK	4,000	3/4	6 +/- 1.5	Y
C2	EXTERIOR FLATWORK	4,500	3/4	6 +/- 1.5	Y

M13/13/16

TYPICAL EXTERIOR CONCRETE SLAB - MIX C1



TYP. SLAB DETAIL



TYP. SAWCUT JOINT
-SAW CUT JOINT @
MAX 12'-6" O.C. U.N.O.

Fy = 60 KSI f'c = 3000 PSI										
BAR SIZE		#3	#4	#5	#6	#7	#8	#9	#10	#11
CLASS A SPICE LENGTH	TOP BARS	13	17	22	26	38	43	48	55	61
	OTHERS	12	13	17	20	29	33	37	42	47
CLASS B SPICE LENGTH	TOP BARS	17	23	28	34	49	56	63	71	79
	OTHERS	13	17	22	26	38	43	48	55	61

Fy = 60 KSI f'c = 4000 PSI										
BAR SIZE		#3	#4	#5	#6	#7	#8	#9	#10	#11
CLASS A SPICE LENGTH	TOP BARS	12	15	19	22	33	37	42	47	52
	OTHERS	12	12	15	17	25	29	32	36	40
CLASS B SPICE LENGTH	TOP BARS	15	20	24	29	42	48	55	61	68
	OTHERS	12	15	19	22	33	37	42	47	52

NOTES- (APPLY TO BOTH 3000 PSI & 4000 PSI CONCRETE)
1. ALL SPLICE LENGTHS SHALL BE CLASS B UNLESS NOTED OTHERWISE.
2. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
3.TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-05, SECTIONS 12.2.2 AND 12.15, RESPECTIVELY.TABULATED VALUES FOR BEAMS AND COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MIN. CODE REQUIREMENTS. LENGHTS ARE IN INCHES.
4. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
5. SPLICE AND DEVELOPMENT LENGHTS IN THIS SCHEDULE ARE BASED ON CASE 1 PER CRSI(1996):

BEAMS OR COLUMNS: COVER AT LEAST 1.0 BAR AND C.-C. SPACING AT LEAST 2.0 BAR

ALL OTHERS: COVER AT LEAST 1.0 BAR AND C.-C. SPACING AT LEAST 3.0 BAR

PROPOSED BUILDING FOR:

GRIFFIN ARMAMENT

WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

BAYLAND BUILDINGS
P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

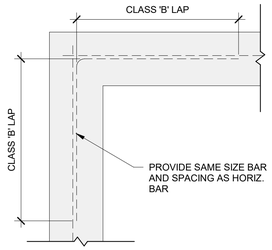
REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
☐ DESIGN REVIEW	MR/SM/LP	12/19/22
☒ CHECKSET		
☐ CONSTRUCTION		

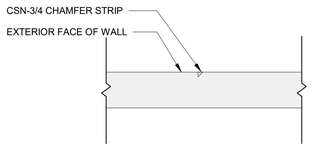
FOUNDATION SCHEDULES & DETAILS

S2.0

1/9/2023 12:35:20 PM

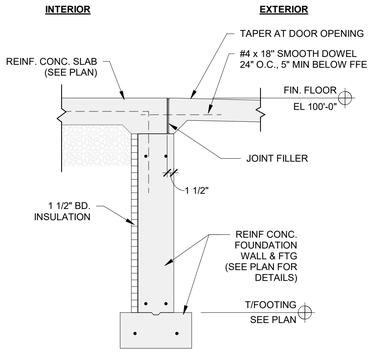


5 /S2.1 CORNER REINFORCEMENT SINGLE MATT N.T.S.

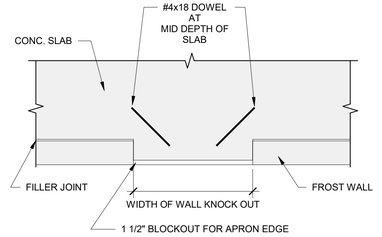


NOTE:
SEE PLAN FOR CJ-W LOCATIONS. UNLESS NOTED OTHERWISE PROVIDE WALL CONTROL JOINT (CJ-W) IN LINE WITH SLAB CONTROL JOINTS OR 60 LINEAL FEET MAX.

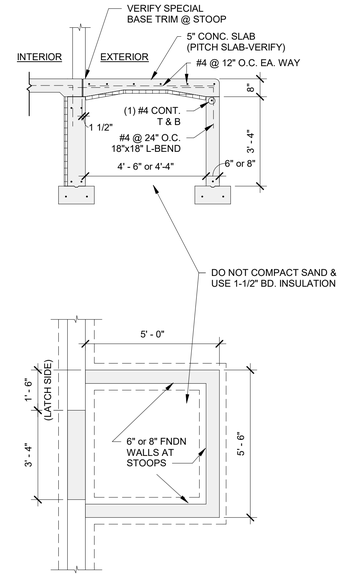
4 /S2.1 WALL CONTROL JOINT (CJ-W) N.T.S.



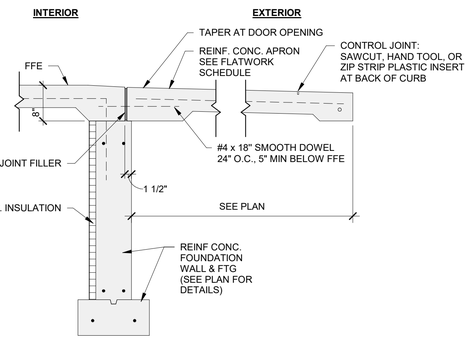
3 /S2.1 DOOR KNOCK-OUT DETAIL N.T.S.



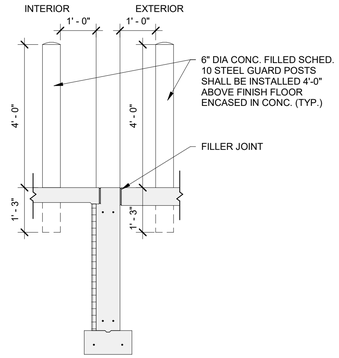
2 /S2.1 REBAR @ ALL DOOR OPENINGS N.T.S.



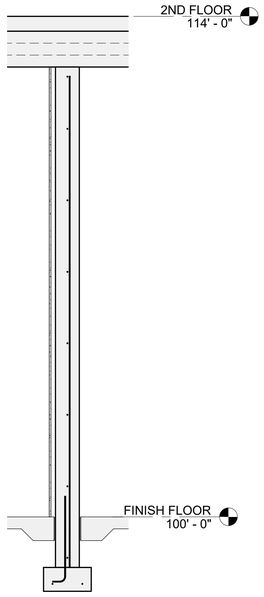
1 /S2.1 STOOP DIMENSIONS AT SERVICE DOORS N.T.S.



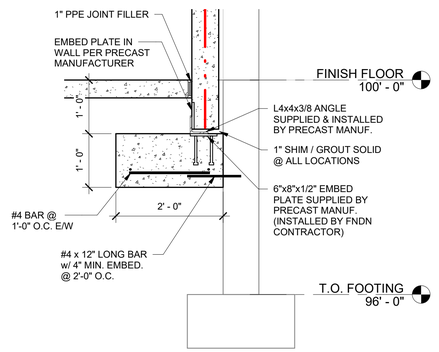
10 /S2.1 APRON DETAIL N.T.S.



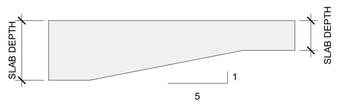
8 /S2.1 BOLLARD DETAIL N.T.S.



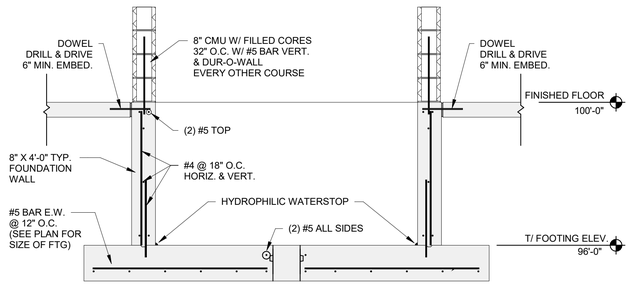
7 /S2.1 FNDN DETAIL - 'B' N.T.S.



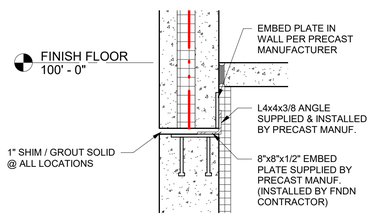
6 /S2.1 FNDN DETAIL - 'A' N.T.S.



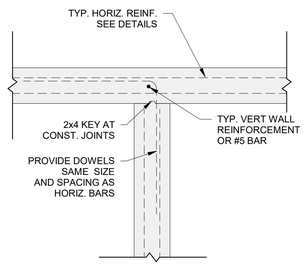
11 /S2.1 SLAB THICKNESS CHANGE DETAIL N.T.S.



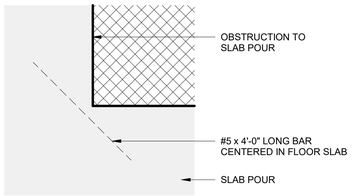
9 /S2.1 ELEVATOR PIT DETAIL N.T.S.



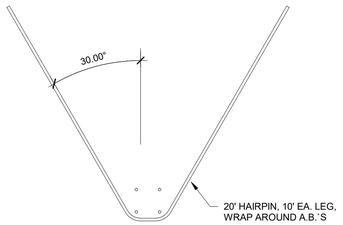
16 /S2.1 FNDN DETAIL - PRECAST TO FNDN N.T.S.



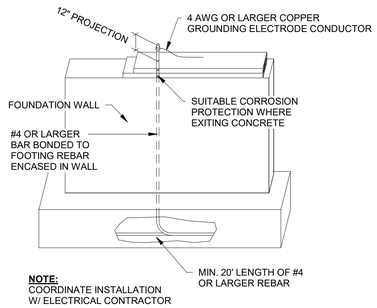
15 /S2.1 WALL INTERSECTION DETAIL SINGLE MATT N.T.S.



14 /S2.1 INTERIOR CORNER REINF. DETAIL N.T.S.



13 /S2.1 HAIRPIN-HP N.T.S.



NOTE:
COORDINATE INSTALLATION W/ ELECTRICAL CONTRACTOR

12 /S2.1 CONCRETE ENCASED ELECTRODE FROST WALL N.T.S.

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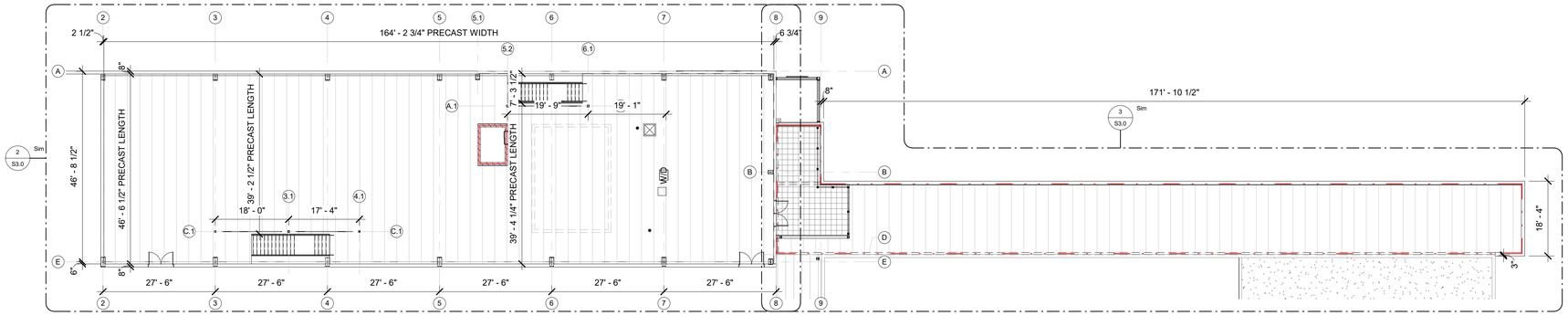
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PROJECT EXECUTIVE: MATT RITTER
DRAWN BY: CMP / LJP
DATE: 01-09-23
REVISIONS:

ISSUED FOR:	CHECKED BY:	DATE:
☐ PRELIMINARY		
☐ BID SET		
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☐ CONSTRUCTION		

FOUNDATION DETAILS

S2.1

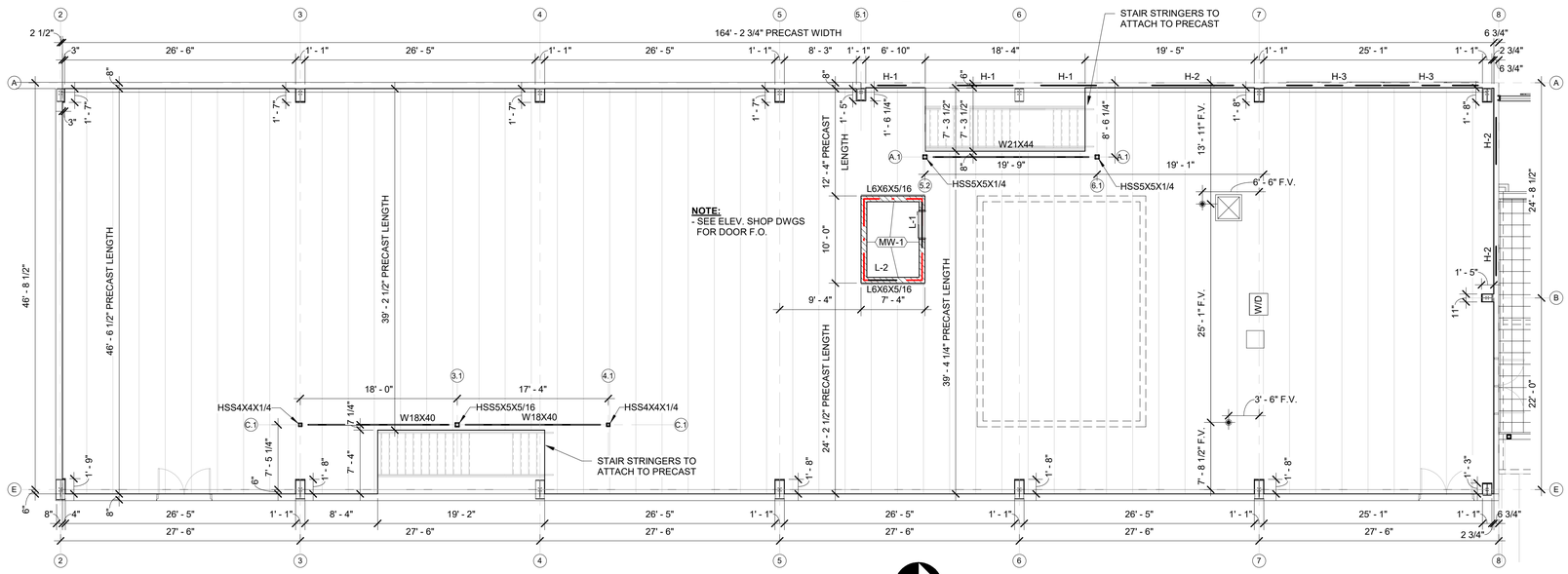
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FRAMING PLAN - OVERALL

1 /S3.0 SCALE = 1/16" = 1'-0"

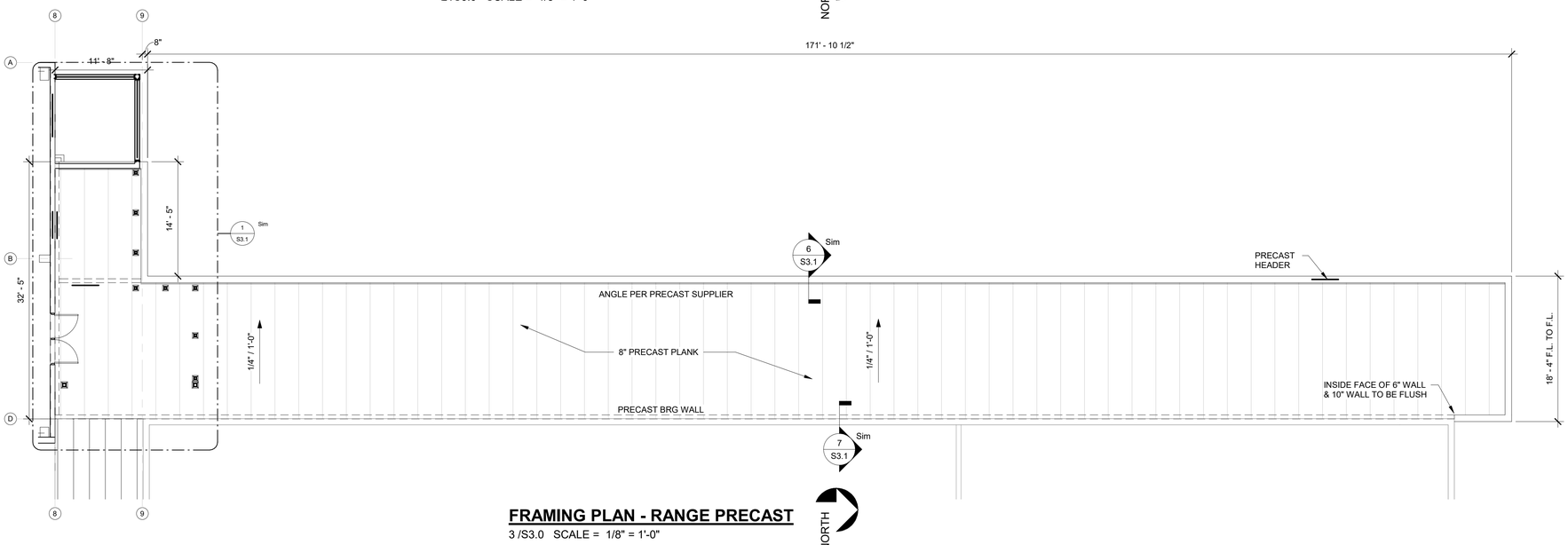
NORTH



FRAMING PLAN - 2ND FLR OFFICE PRECAST

2 /S3.0 SCALE = 1/8" = 1'-0"

NORTH

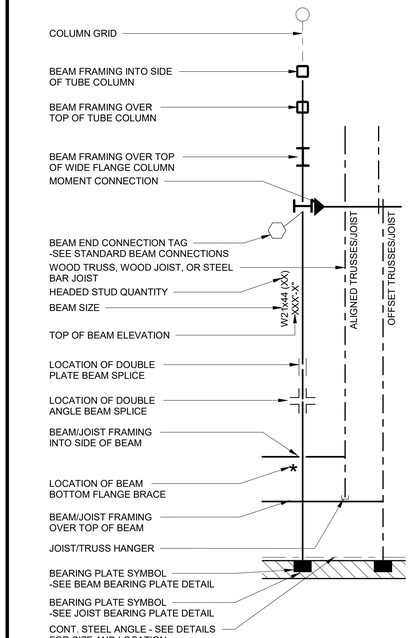


FRAMING PLAN - RANGE PRECAST

3 /S3.0 SCALE = 1/8" = 1'-0"

NORTH

FRAMING PLAN SYMBOLS



LINTEL - SEE LINTEL SCHEDULE — L-1

HEADER - SEE STEEL STUD HEADER SCHEDULE — H-1

WOOD HEADER - SEE WOOD HEADER SCHEDULE — WH-1

INTERIOR BEARING WALL

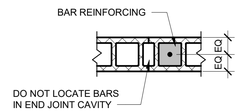
MASONRY SHEAR WALL - SEE SHEAR WALL SCHEDULE — MSW-1

WOOD SHEAR WALL - SEE SHEAR WALL SCHEDULE — WSW-1

CMU WALL NOTES

MW-1 — 8" CMU WALL w/ (1) #5 VERTICAL BARS @ 48" O.C. w/ GROUT FILLED CORES FULL HEIGHT. SEE DETAIL BELOW

MW-2 — 12" CMU WALL w/ (1) #5 VERTICAL BARS @ 48" O.C. w/ GROUT FILLED CORES FULL HEIGHT. SEE DETAIL BELOW



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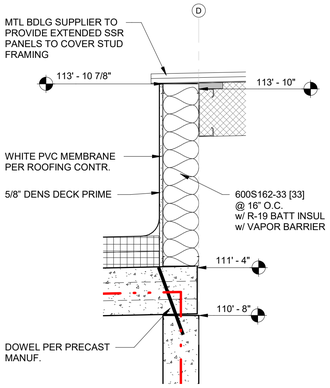
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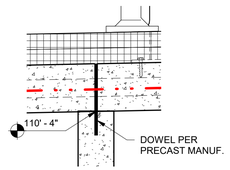
FRAMING PLANS

S3.0

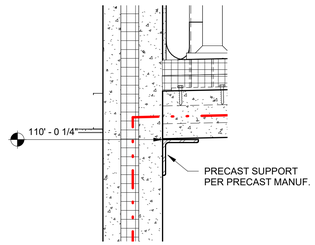
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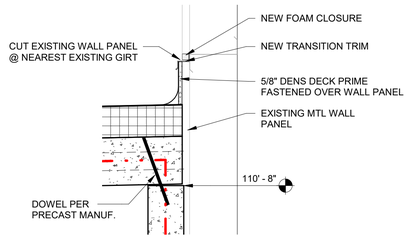
FRAMING DETAIL - '3'
4 /S3.1 SCALE = 1" = 1'-0"



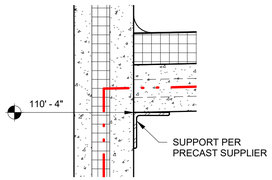
FRAMING DETAIL - '2'
3 /S3.1 SCALE = 1" = 1'-0"



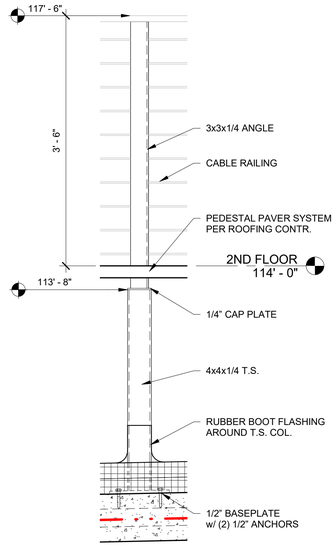
FRAMING DETAIL - '1'
2 /S3.1 SCALE = 1" = 1'-0"



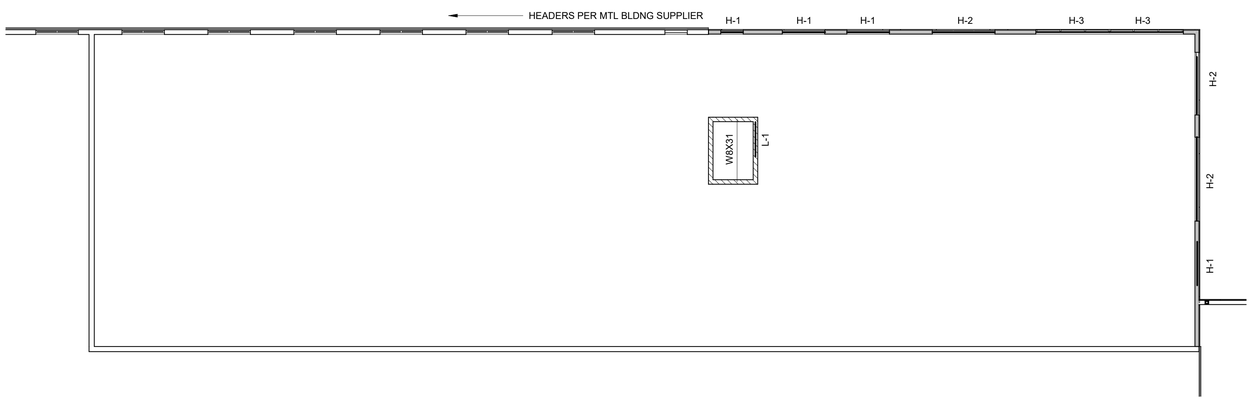
FRAMING DETAIL - '5'
7 /S3.1 SCALE = 1" = 1'-0"



FRAMING DETAIL - '4'
6 /S3.1 SCALE = 1" = 1'-0"

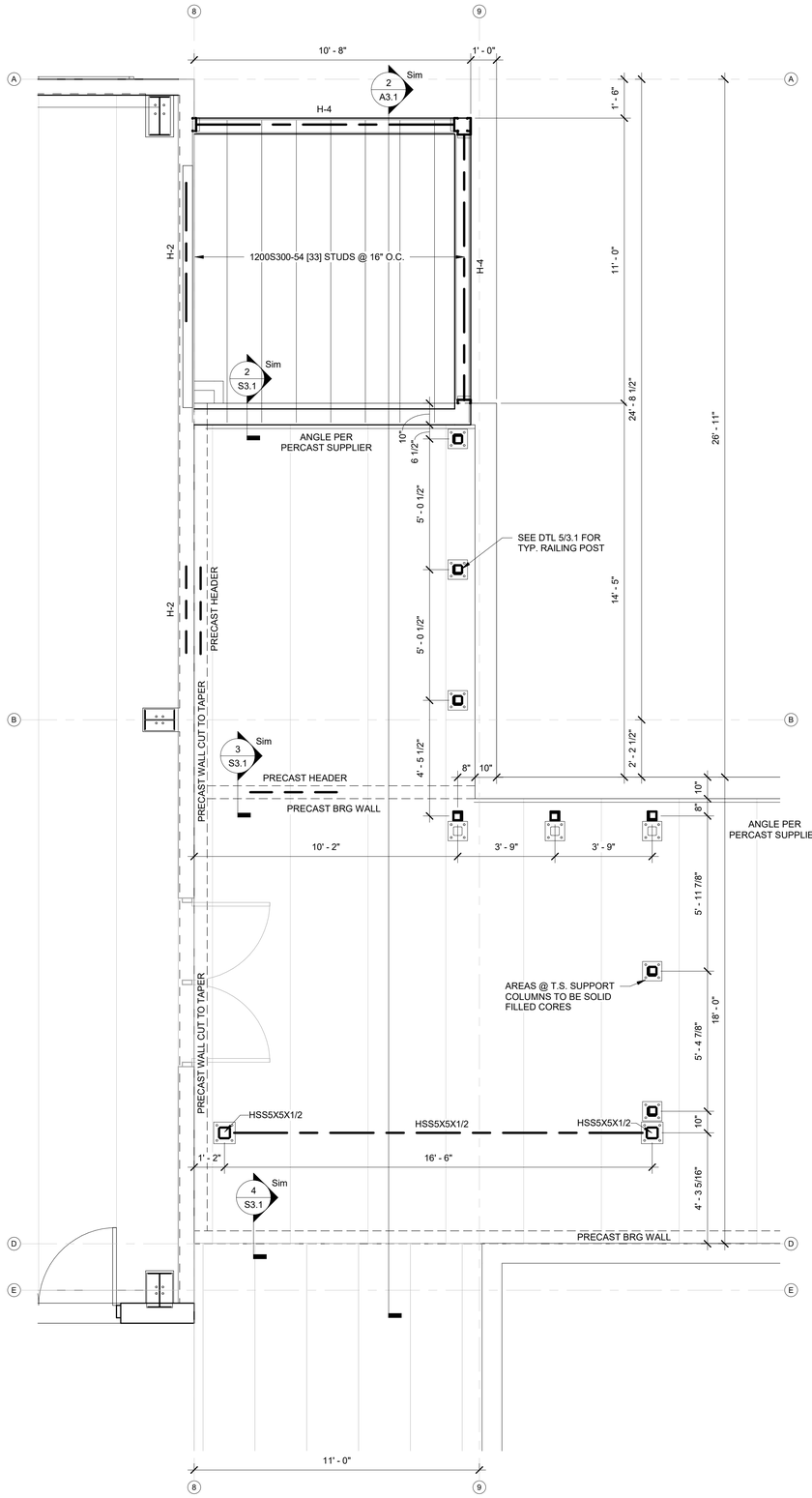


FRAMING DETAIL - PATIO RAILING
5 /S3.1 SCALE = 1" = 1'-0"



FRAMING PLAN - 2ND FLOOR HEADERS
8 /S3.1 SCALE = 3/32" = 1'-0"

NORTH



FRAMING PLAN - 2ND FLR PATIO
1 /S3.1 SCALE = 3/8" = 1'-0"

NORTH

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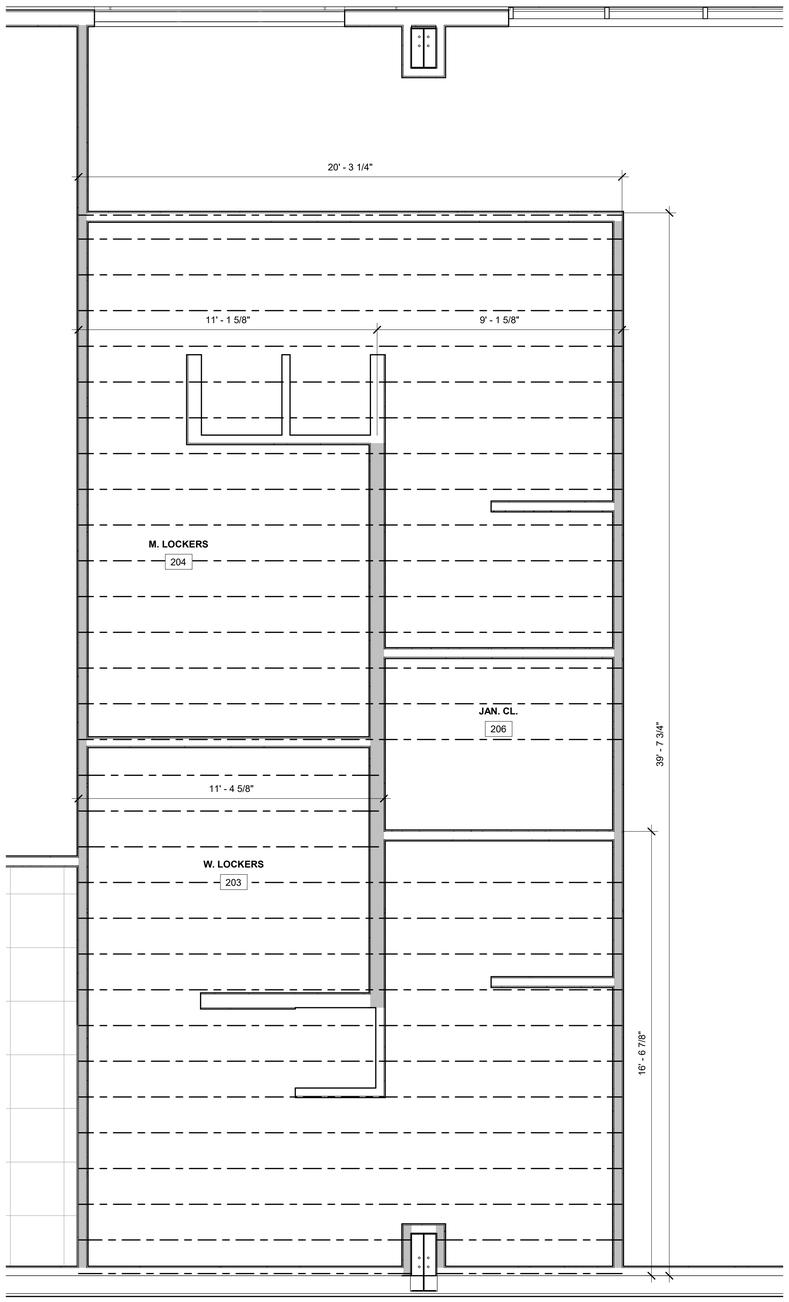
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[ ] CONSTRUCTION		

FRAMING PLANS

S3.1

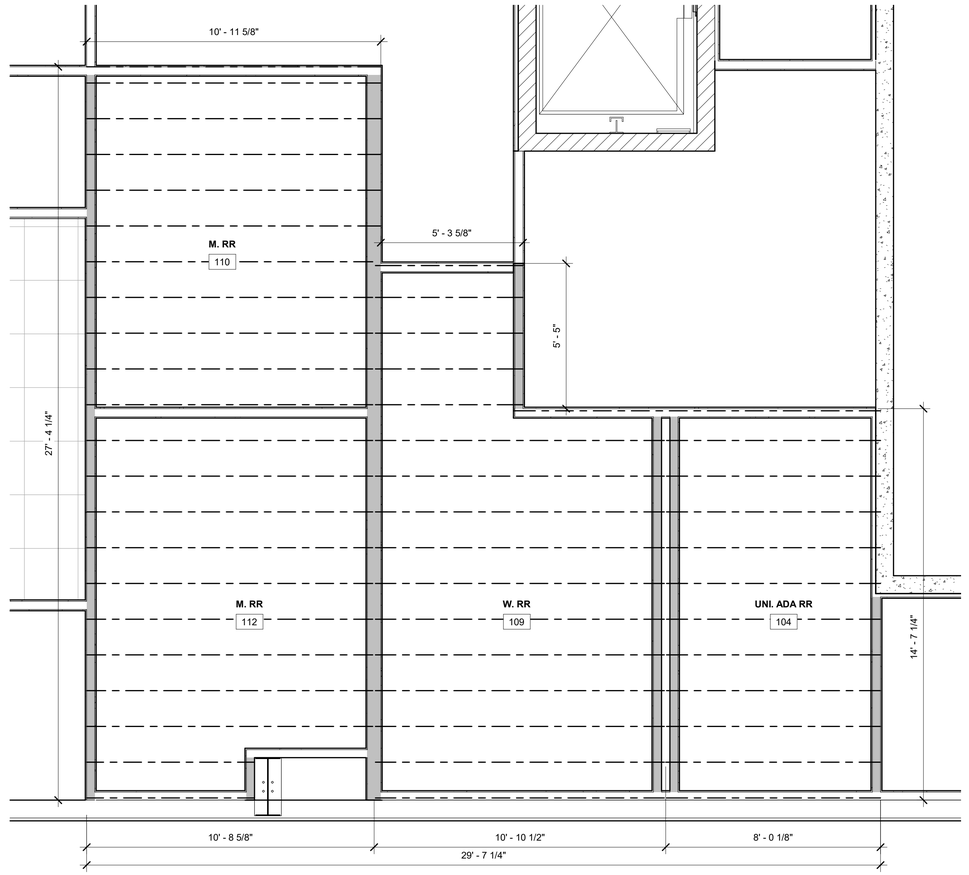
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FRAMING PLAN - SECOND FLOOR GYP CEILING AREA

2 /S3.2 SCALE = 3/8" = 1'-0"

NORTH



FRAMING PLAN - FIRST FLOOR GYP CEILING AREA

1 /S3.2 SCALE = 3/8" = 1'-0"

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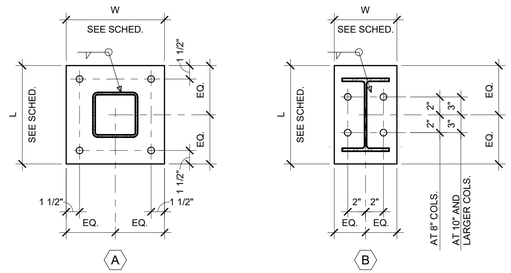
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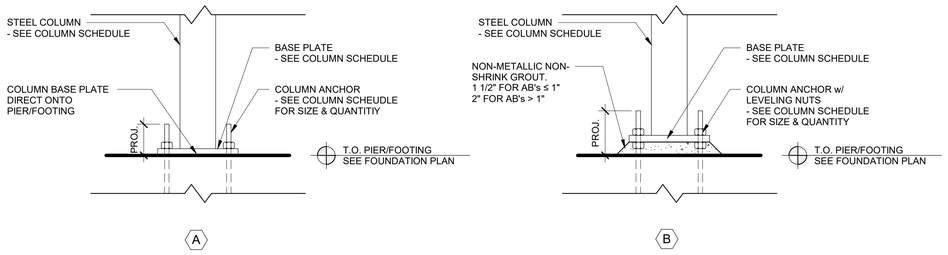
FRAMING PLANS

S3.2

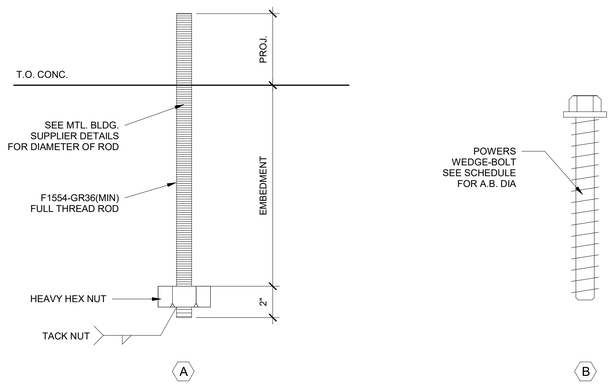
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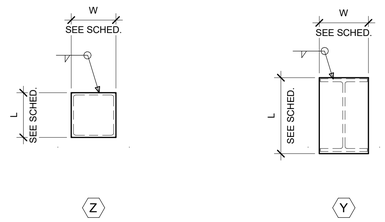
COLUMN BASE PLATE TYPES



COLUMN BASE LEVELING TYPES



COLUMN ANCHOR TYPES



COLUMN CAP PLATE TYPES

STEEL COLUMN SCHEDULE

COLUMN LOCATION MARK	SIZE	BASEPLATE							CAP PLATE					REMARKS
		PLATE			ANCHORS				PLATE		BOLTS			
		T x W x L	WELD	LEVELING TYPE	QTY.	DIA. x L (IN.)	PROJ. (IN.)	TYPE	T x W x L	WELD	QTY.	DIA. (IN.)	TYPE	
A(1' - 9")-8														
A(1' - 9")-8(2 1/2")														
A(1' - 9")-9(-1' - 1 1/4")														
A(1' - 9")-9(-4")														
A(1' - 9")-9(-11 5/8")														
A(2' - 1 5/8")-9(-7")														
A(2' - 3 1/4")-9(-7")														
A(12' - 2 3/4")-9(-7")														
A(12' - 4 3/8")-9(-7")														
A.1-5.2	HSS5X5X1/4													
A.1-6.1	HSS5X5X1/4													
B(3' - 7 13/16")-9(2' - 11 11/16")														
B(3' - 7 13/16")-9(-9 5/16")														
B(3' - 8 1/2")-9(2' - 11")	HSS4X4X1/4													
B(3' - 8 1/2")-9(6' - 8")	HSS4X4X1/4													
B(3' - 8 1/2")-9(-10")	HSS4X4X1/4													
B(3' - 9 1/8")-9(6' - 7 3/8")														
B(9' - 8 5/16")-9(6' - 8")	HSS4X4X1/4													
B(9' - 9")-9(6' - 7 3/8")														
B(-5' - 8 7/8")-9(-10 11/16")														
B(-5' - 9 1/2")-9(-10")	HSS4X4X1/4													
B(-8 3/8")-9(-10 11/16")														
B(-9")-9(-10")	HSS4X4X1/4													
B(-10' - 10 11/16")-9(-10 11/16")														
B(-10' - 10")-9(-10")	HSS4X4X1/4													
C.1-3	HSS4X4X1/4													
C.1-3.1	HSS5X5X5/16													
C.1-4.1	HSS4X4X1/4													
D(-4' - 3 5/16")-8(1' - 2")	HSS5X5X1/2													
D(-4' - 3 5/16")-9(6' - 8")	HSS5X5X1/2													
D(-5' - 0 11/16")-9(6' - 7 3/8")														
D(-5' - 1 5/16")-9(6' - 8")	HSS4X4X1/4													

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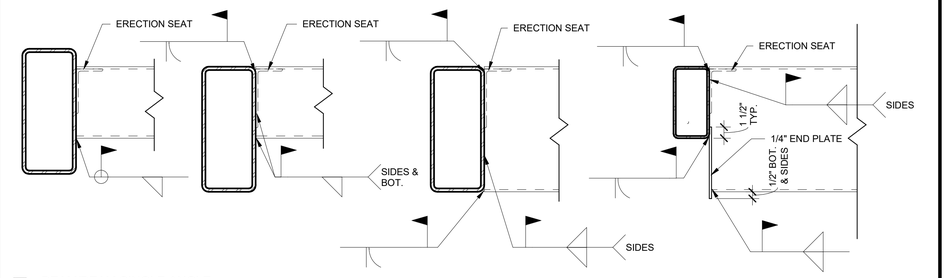
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☐ CONSTRUCTION		

STRUCTURAL SCHEDULES & DETAILS

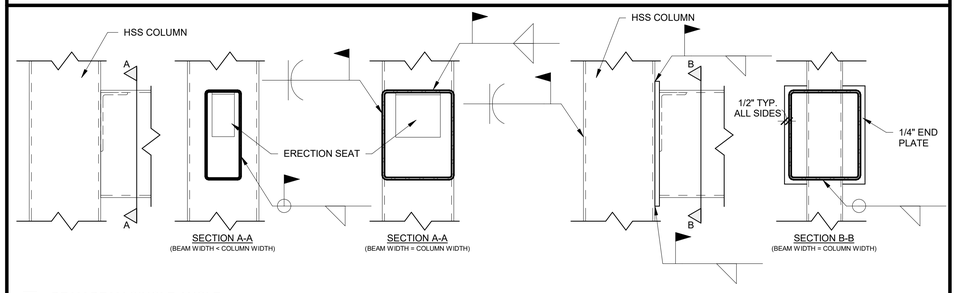
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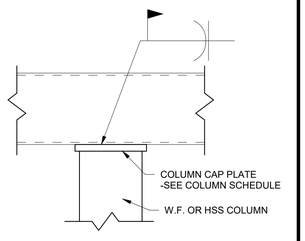
STANDARD HSS BEAM CONNECTION DETAILS



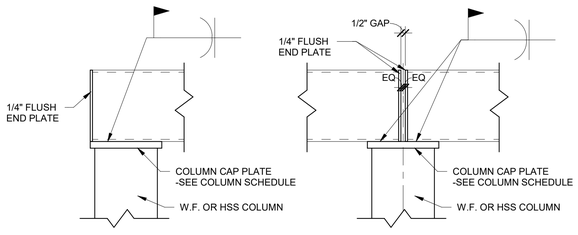
L BEAM/BEAM SINGLE ANGLE
SEE FRAMING PLANS FOR BEAM SIZES



M BEAM/BEAM SINGLE ANGLE
SEE FRAMING PLANS FOR BEAM SIZES



N BEAM/BEAM SINGLE ANGLE
SEE FRAMING PLANS FOR BEAM SIZES



O BEAM/BEAM SINGLE ANGLE
SEE FRAMING PLANS FOR BEAM SIZES

STANDARD BEAM CONNECTION SCHEDULE

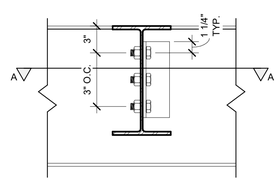
	BEAM SIZE	BOLT DIA.	NO. OF BOLT ROWS	(T) CONN. THICKNESS (MIN.)	(L) CONN. LENGTH (MIN.)	CONN. WELDMENT (MIN.)	REMARKS
SHEAR TAB DETAIL E	W8, W10	3/4"	2	3/8"	6"	3/16"	
	W12, W14	3/4"	3	3/8"	9"	3/16"	
	W16	3/4"	4	3/8"	12"	3/16"	
	W18, W21	3/4"	5	3/8"	15"	3/16"	
	W24	3/4"	6	1/2"	18"	1/4"	
	W27, W30, W33, W36	3/4"	7	1/2"	21"	1/4"	
DBL. ANGLE DETAIL B & D	W8, W10	3/4"	2	5/16"	5 1/2"	1/4"	
	W12, W14	3/4"	3	5/16"	8 1/2"	1/4"	
	W16	3/4"	4	5/16"	11 1/2"	1/4"	
	W18, W21	3/4"	5	5/16"	14 1/2"	1/4"	
	W24	3/4"	6	5/16"	17 1/2"	1/4"	
	W27, W30, W33, W36	3/4"	7	5/16"	20 1/2"	1/4"	
SINGLE ANGLE DETAIL A	W8, W10	3/4"	2	-	5 1/2"	1/4"	
	W12, W14	3/4"	3	-	8 1/2"	1/4"	
	W16	3/4"	4	-	11 1/2"	1/4"	
	W18, W21	3/4"	5	-	14 1/2"	1/4"	
	W24	3/4"	6	-	17 1/2"	1/4"	
	W27, W30, W33, W36	3/4"	7	-	20 1/2"	1/4"	
SPLICE PLATE DETAIL J	W8, W10	3/4"	2	1/4"	6"	-	
	W12, W14	3/4"	3	1/4"	9"	-	
	W16	3/4"	4	1/4"	12"	-	
	W18, W21	3/4"	5	1/4"	15"	-	
	W24	3/4"	6	5/16"	18"	-	
	W27, W30, W33, W36	3/4"	7	5/16"	21"	-	
STIFFENER PLATE DETAIL I	W8, W10	3/4"	2	1/4"	-	3/16"	
	W12, W14	3/4"	3	1/4"	-	3/16"	
	W16	3/4"	4	1/4"	-	3/16"	
	W18, W21	3/4"	5	1/4"	-	3/16"	
	W24	3/4"	6	5/16"	-	1/4"	
	W27, W30, W33, W36	3/4"	7	5/16"	-	1/4"	

STIFFENER TAB DETAIL I	BEAM SIZE	WELD 'A' SIZE	WELD 'B' SIZE	(T) CONN. THICKNESS (MIN.)	(L) CONN. LENGTH (MIN.)	REMARKS
	W8, W10	1/4"	5/16"	3/8"	5 1/2"	
	W12, W14	1/4"	5/16"	3/8"	8 1/2"	
	W16	1/4"	5/16"	3/8"	11 1/2"	
	W18, W21	1/4"	5/16"	3/8"	14 1/2"	
	W24	1/4"	5/16"	3/8"	17 1/2"	
	W27, W30, W33, W36	1/4"	5/16"	3/8"	20 1/2"	

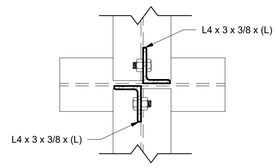
STANDARD BEAM CONNECTION SCHEDULE NOTES:

1. REFER TO FRAMING PLANS FOR CONNECTION ASSIGNMENTS
2. ("T") DIMENSION APPLIES TO DOUBLE ANGLE AND SHEAR TAB CONNECTIONS ONLY USE L4x3x3/8 AT SINGLE ANGLE CONNECTIONS, UNLESS NOTED OTHERWISE

STANDARD W.F. BEAM CONNECTION DETAILS



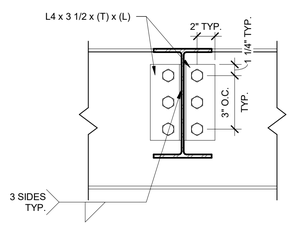
NOTE: VERTICAL WELD TO HAVE TOP HORIZONTAL RETURN EQUAL TO 2x WELD SIZE



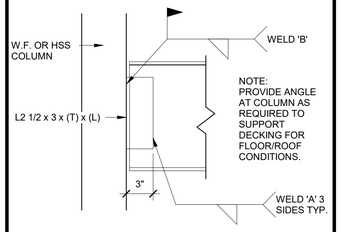
SECTION A-A

NOTE: AT BACK TO BACK BEAMS SUPPORTED BY A COMMO WEB, STAGGER CLIP ANGLES

A BEAM/BEAM SINGLE ANGLE
SEE FRAMING PLANS FOR BEAM SIZES

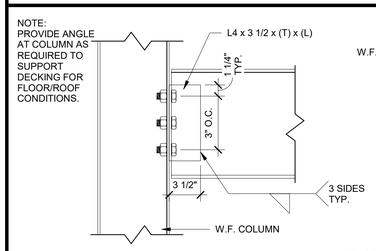


B BEAM/BEAM SINGLE ANGLE
SEE FRAMING PLANS FOR BEAM SIZES

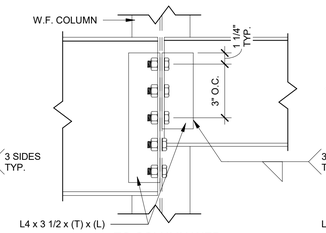


NOTE: WELD 'B' TO HAVE TOP RETURN EQUAL TO 2x WELD 'B'

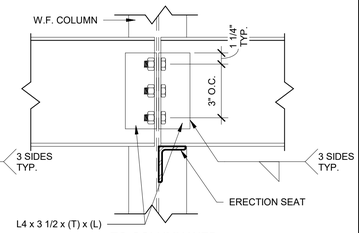
C WELDED DBL. ANGLE
SEE FRAMING PLANS FOR BEAM SIZES



TO COLUMN FLANGE

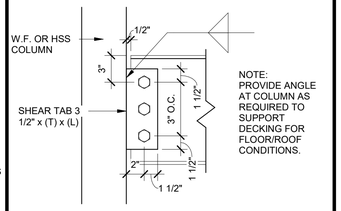


TO COLUMN WEB
STAGGER CONNECTION BEAM DEPTHS ALLOWS

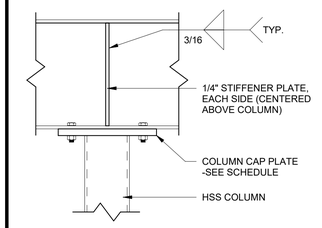


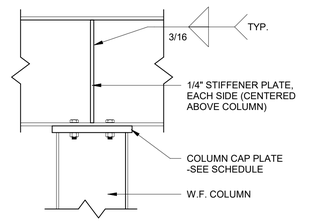
TO COLUMN WEB
USE ERECTION SEAT IF STAGGERED CONNECTION IS NOT POSSIBLE

D BEAM/COL. DBL. ANGLE
SEE FRAMING PLANS FOR BEAM SIZES

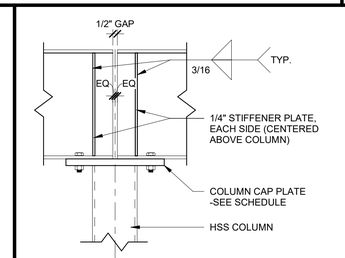


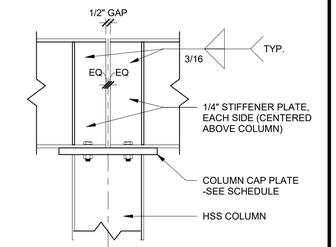
E BEAM/COL. SHEAR TAB
SEE FRAMING PLANS FOR BEAM SIZES





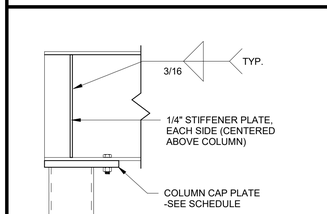
F CONT. BEAM TO COL.
SEE FRAMING PLANS FOR BEAM SIZES

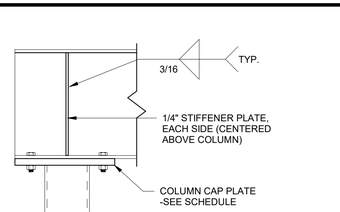




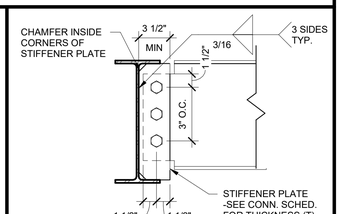
PROVIDE SHIM PLATE @ SHALLOWER BEAM IF BEAM DEPTHS DIFFER

G BEAM TO COLUMN
SEE FRAMING PLANS FOR BEAM SIZES

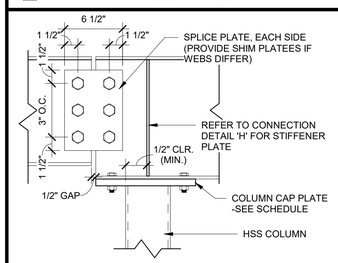


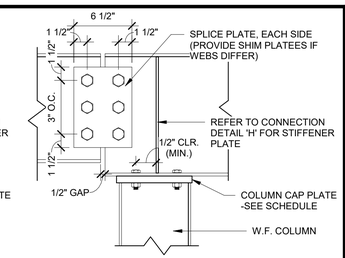


H CONT. BEAM TO COL.
SEE FRAMING PLANS FOR BEAM SIZES

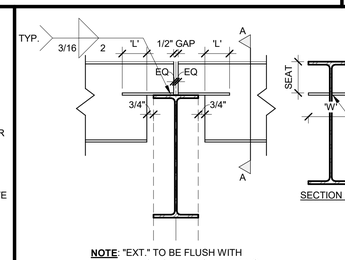


I BEAM/STIFFENER PLATE
SEE FRAMING PLANS FOR BEAM SIZES





J BEAM SPLICE AT COL.
SEE FRAMING PLANS FOR BEAM SIZES



NOTE: "EXT." TO BE FLUSH WITH BEAM FLANGE OR END OF BEARING PLATE IN WALL U.N.O. IN SCHEDULE

REFERENCE	'T'	'W'	'L'	'WELD X'	SEAT	EXT.
K1	-	-	-	-	-	-
K2	-	-	-	-	-	-
K3	-	-	-	-	-	-
K4	-	-	-	-	-	-

K BEAM SEAT PLATE
SEE FRAMING PLANS FOR BEAM SIZES

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P.O. BOX 13571 GREEN BAY, WI 54307
(920) 498-9300 FAX (920) 498-3033
www.baylandbuildings.com
DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:
GRIFFIN ARMAMENT
WATERTOWN, WISCONSIN; COUNTY OF: JEFFERSON

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

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JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

DRAWN BY: CMP / LJP

DATE: 01-09-23

REVISIONS:

ISSUED FOR: | **CHECKED BY:** | **DATE:**

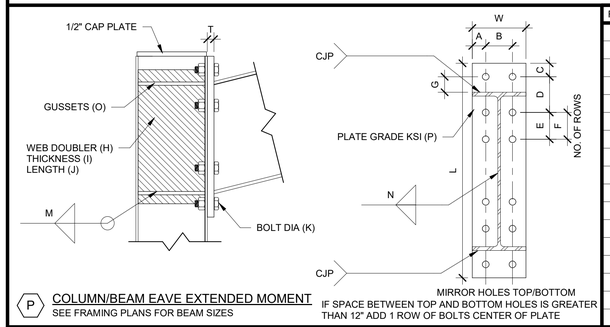
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- [ ] BID SET
- [ ] DESIGN REVIEW MR/SM/LP 12/19/22
- [X] CHECKSET
- [ ] CONSTRUCTION

STRUCTURAL SCHEDULES & DETAILS

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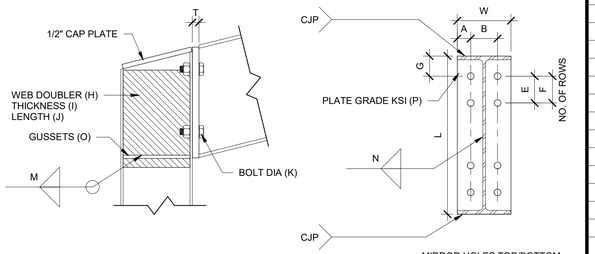
STANDARD W.F. BEAM CONNECTION DETAILS



MIRROR HOLES TOP/BOTTOM
IF SPACE BETWEEN TOP AND BOTTOM HOLES IS GREATER THAN 12" ADD 1 ROW OF BOLTS CENTER OF PLATE

P COLUMN/BEAM EAVE EXTENDED MOMENT
SEE FRAMING PLANS FOR BEAM SIZES

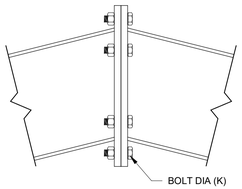
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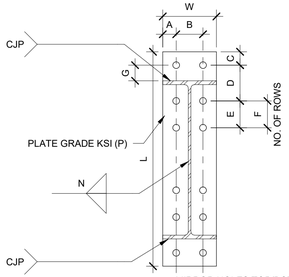


MIRROR HOLES TOP/BOTTOM
IF SPACE BETWEEN TOP AND BOTTOM HOLES IS GREATER THAN 12" ADD 1 ROW OF BOLTS CENTER OF PLATE

Q COLUMN/BEAM EAVE FLUSH MOMENT
SEE FRAMING PLANS FOR BEAM SIZES

REFERENCE	'W'	'L'	'T'	'A'	'B'	'E'	'F'	'G'	'H'	'I'	'J'	'K'	'M'	'N'	'O'	'P'
Q1	5"	12"	3/4"	1"	3"	-	1	1 3/4"	N	-	-	3/4"	1/4"	1/4"	3/8"	36
Q2	6"	18"	3/4"	1 1/2"	3"	-	1	2 1/2"	N	-	-	3/4"	1/4"	1/4"	3/8"	36
Q3	5"	14"	3/4"	1"	3"	-	1	2 1/2"	N	-	-	3/4"	1/4"	1/4"	3/8"	36

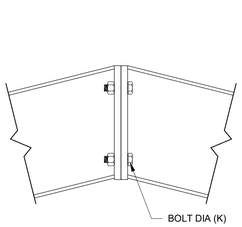


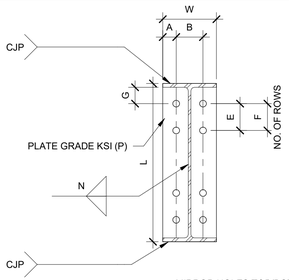


MIRROR HOLES TOP/BOTTOM
IF SPACE BETWEEN TOP AND BOTTOM HOLES IS GREATER THAN 12" ADD 1 ROW OF BOLTS CENTER OF PLATE

R BEAM/BEAM PEAK EXTENDED MOMENT
SEE FRAMING PLANS FOR BEAM SIZES

REFERENCE	'W'	'L'	'T'	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'K'	'N'	'P'
R1	4"	18"	1/2"	7/8"	2 1/4"	1 1/2"	4"	-	1	1 1/2"	1/2"	1/4"	36
R2	6"	25"	3/4"	1 1/2"	3"	1 1/2"	5"	3"	2	2"	1"	1/4"	36
R3	5"	20"	3/4"	1 1/2"	3"	1 1/2"	4"	-	1	1 1/2"	3/4"	1/4"	36





MIRROR HOLES TOP/BOTTOM
IF SPACE BETWEEN TOP AND BOTTOM HOLES IS GREATER THAN 12" ADD 1 ROW OF BOLTS CENTER OF PLATE

S BEAM/BEAM PEAK FLUSH MOMENT
SEE FRAMING PLANS FOR BEAM SIZES

REFERENCE	'W'	'L'	'T'	'A'	'B'	'E'	'F'	'G'	'K'	'N'	'P'

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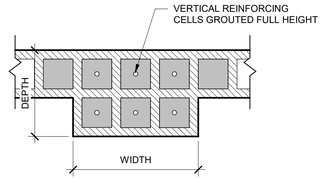
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[ ] PRELIMINARY		
[ ] BID SET		
[ ] DESIGN REVIEW	MR/SM/LP	12/19/22
[X] CHECKSET		
[ ] CONSTRUCTION		

STRUCTURAL SCHEDULES & DETAILS

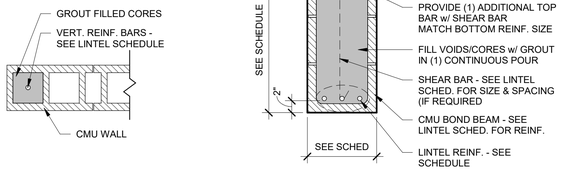
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MASONRY PIER SCHEDULE			
MARK	WIDTH	DEPTH	VERT REINFORCING
MP-1	16"	8"	(2) #5
MP-2	16"	16"	(4) #5
MP-3	24"	8"	(3) #5
MP-4	24"	16"	(6) #5
MP-5	16"	12"	(2) #5
MP-6	16"	24"	(4) #5
MP-7	24"	12"	(3) #5
MP-8	24"	24"	(6) #5



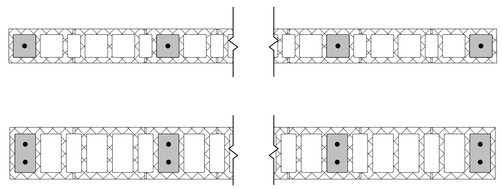
CMU LINTEL SCHEDULE							
MARK	CMU BEAM			BEARING REQUIREMENTS			
	SIZE	REINF.	VERTICAL SHEAR BARS	END BEARING	VERT. BARS	GROUT # CORES	GROUT HEIGHT
L-1	8" x 8" HIGH	(1) #5	-	8"	#5	1	FULL HEIGHT
L-2	8" x 16" HIGH	(2) #5	-	8"	#5	1	FULL HEIGHT
L-3	8" x 24" HIGH	(3) #5	-	16"	#5	2	FULL HEIGHT
L-4	12" x 8" HIGH	(1) #5	-	8"	#5	1	FULL HEIGHT
L-5	12" x 16" HIGH	(2) #5	-	8"	#5	1	FULL HEIGHT
L-6	12" x 24" HIGH	(3) #5	-	16"	#5	2	FULL HEIGHT

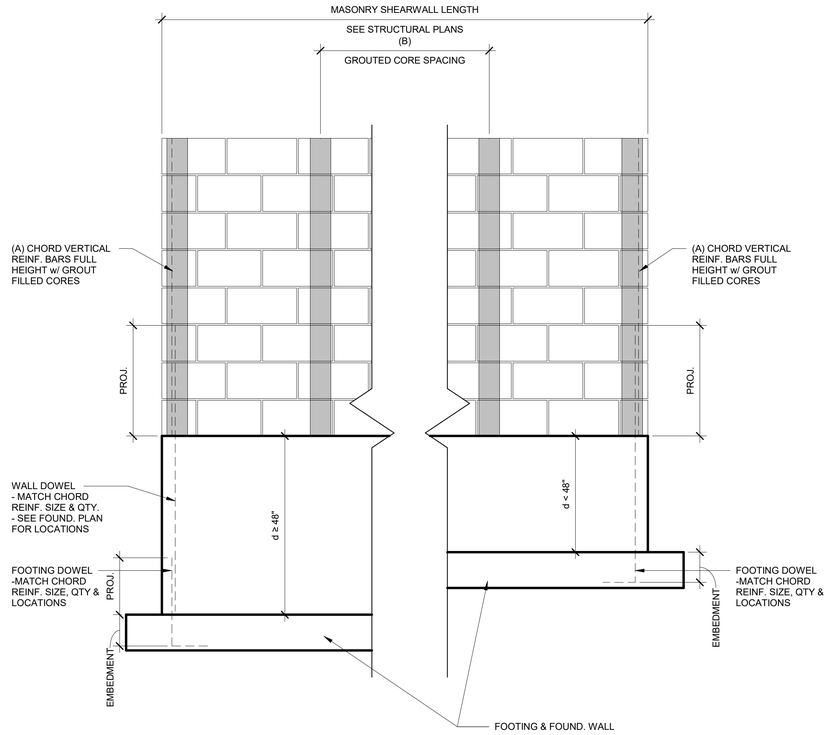


LINTEL BEARING DETAILS

MASONRY LINTEL TYPES

MASONRY SHEARWALL SCHEDULE						
MARK	NOMINAL WALL THICKNESS	CHORD VERTICAL REINF. (A) QTY.	CHORD VERTICAL REINF. (A) SIZE	GROUTED CORES (B) SPACING	GROUTED CORES (B) REINF. SIZE	REMARKS
MSW-1	8"	1	#5	48"	#5	STD HORIZONTAL TRUSS 48" O.C.
MSW-2	10"	2	#5	48"	#5	STD HORIZONTAL TRUSS 48" O.C.
MSW-3	12"	2	#5	48"	#5	STD HORIZONTAL TRUSS 48" O.C.

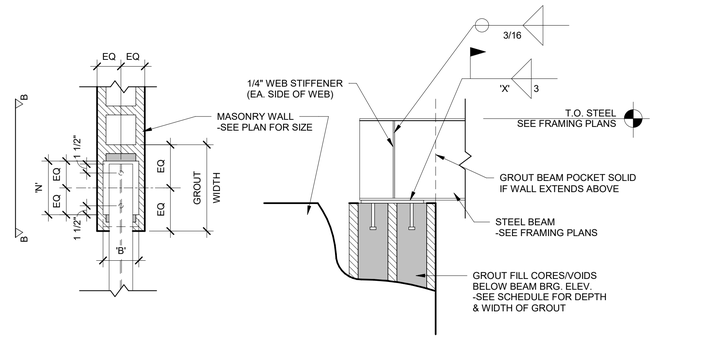


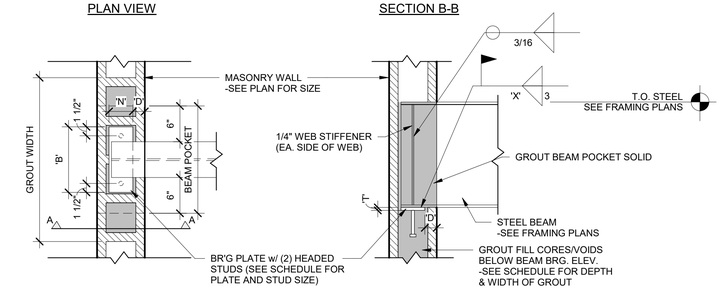


MINIMUM BAR PROJECTION LENGTHS
#4 BAR: 24"
#5 BAR: 30"
#6 BAR: 36"
#7 BAR: 55"

MINIMUM BAR EMBEDMENT LENGTHS
#4 BAR: 8" + STD. 90° HOOK
#5 BAR: 9" + STD. 90° HOOK
#6 BAR: 12" + STD. 90° HOOK
#7 BAR: 13" + STD. 90° HOOK

BEAM BEARING PLATE									
BEAM SIZE	'B'	'N'	'T'	'D'	STUD DIAMETER	STUD LENGTH	WELD 'X'	GROUT DEPTH	GROUT WIDTH





BEAM BEARING PLATE DETAIL

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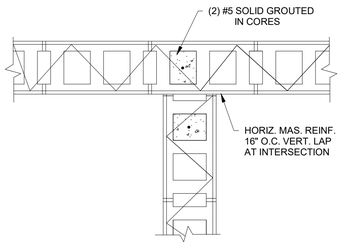
JOB NUMBER: 22-5181

PROJECT EXECUTIVE: MATT RITTER

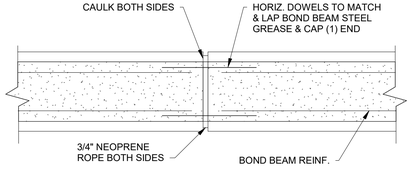
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DATE: 01-09-23

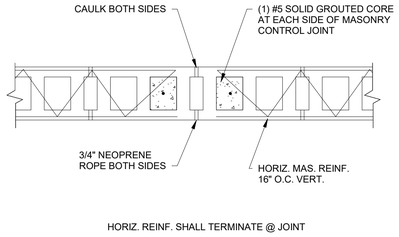
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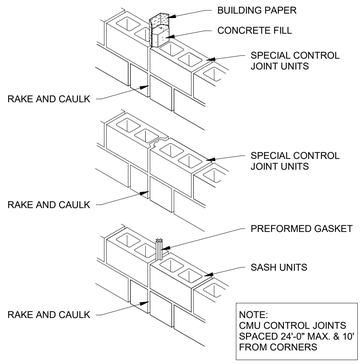
5 /S4.3 INTERSECTION 1" = 1'-0"



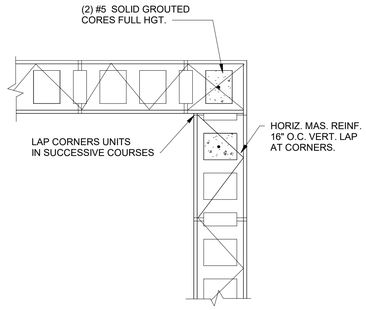
4 /S4.3 BOND BEAM CONTROL JOINT 1 1/2" = 1'-0"



3 /S4.3 CONTROL JOINT (C.J.) 1" = 1'-0"



2 /S4.3 CONTROL JOINTS 1/2" = 1'-0"



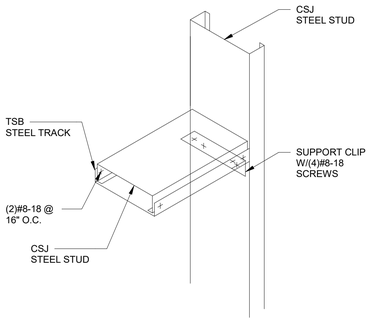
1 /S4.3 CORNERS 1" = 1'-0"

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[ ] PRELIMINARY		
[ ] BID SET		
[ ] DESIGN REVIEW	MR/SM/LP	12/19/22
[X] CHECKSET		
[ ] CONSTRUCTION		

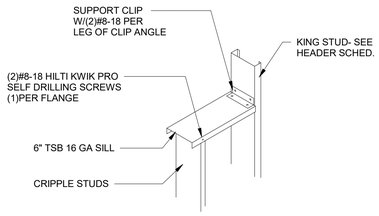
STRUCTURAL SCHEDULES & DETAILS

S4.3

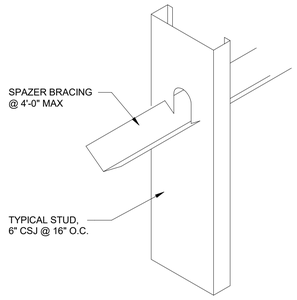
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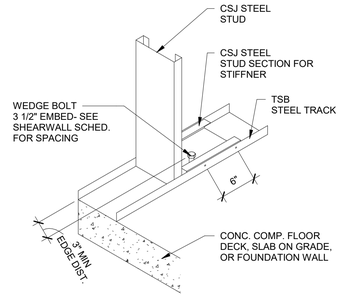
5 /S4.4 METAL STUD DETAIL 8 N.T.S.



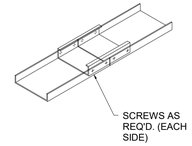
4 /S4.4 METAL STUD DETAIL 2 N.T.S.



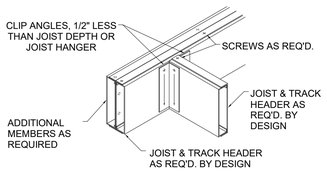
3 /S4.4 METAL STUD DETAIL 1 N.T.S.



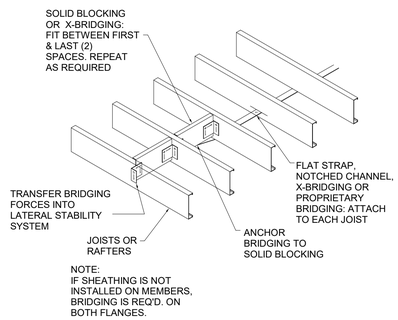
2 /S4.4 METAL STUD DETAIL 9 N.T.S.



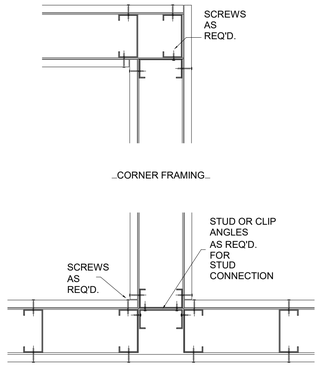
1 /S4.4 LGSF TRACK SPLICE DETAIL N.T.S.



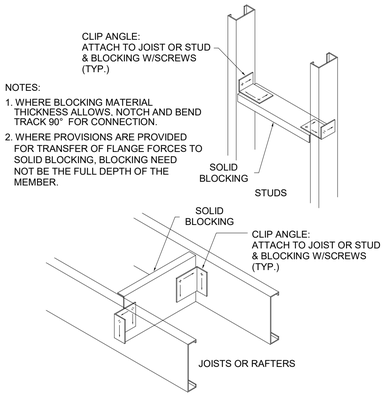
10 /S4.4 METAL JOIST HEADER DETAIL N.T.S.



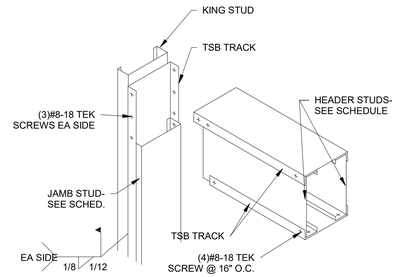
9 /S4.4 METAL JOIST BRIDGING DETAIL N.T.S.



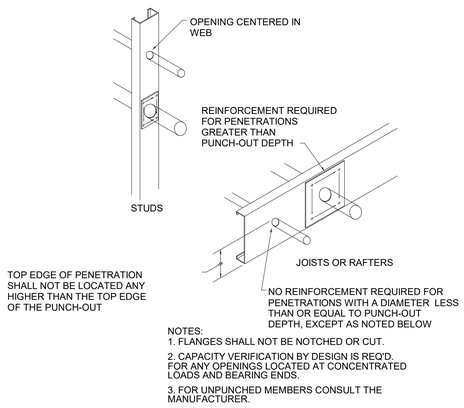
8 /S4.4 METAL STUD FRAMING DETAIL N.T.S.



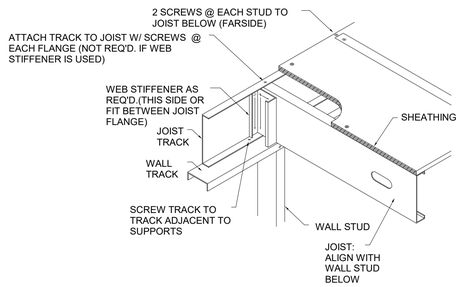
7 /S4.4 METAL STUD BLOCKING DETAIL N.T.S.



6 /S4.4 METAL STUD DETAIL 6 N.T.S.



12 /S4.4 METAL STUD PENETRATIONS DETAIL N.T.S.



11 /S4.4 METAL STUD BEARING DETAIL N.T.S.

METAL STUD HEADER SCHEDULE

	HEADER		TRACK			JAMB		
MARK	SIZE	GRADE	No.	SIZE	GRADE	No.	SIZE	GRADE
H-1	600162-33	33	2	600T125-33	33	2	600S200-43	33
H-2	600162-43	33	2	600T200-33	33	2	600S250-54	33
H-3	600200-43	33	2	600T125-43	33	2	600S300-54	33
H-4	1200S250-97	50	2	600T125-43	33	2	600S250-68	50

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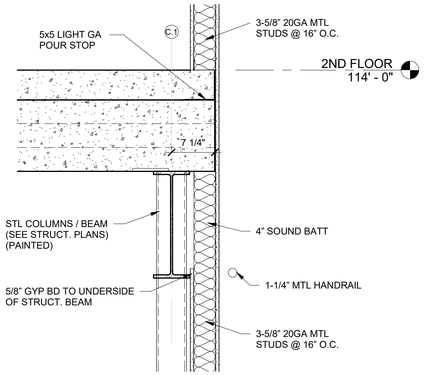
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PROJECT EXECUTIVE: MATT RITTER
DRAWN BY: CMP / LJP
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☐ CONSTRUCTION		

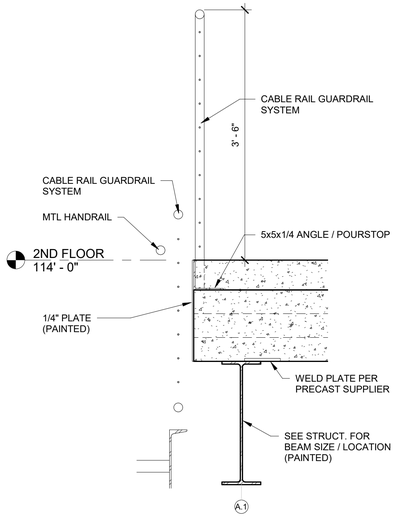
STRUCTURAL SCHEDULES & DETAILS

S4.4

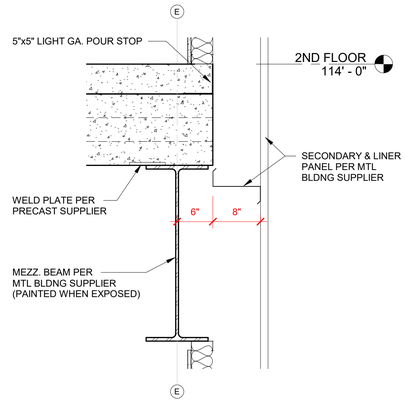
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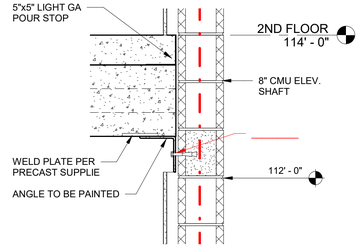
STRUCTURAL DETAIL 'D'
5 /S5.0 SCALE = 1" = 1'-0"



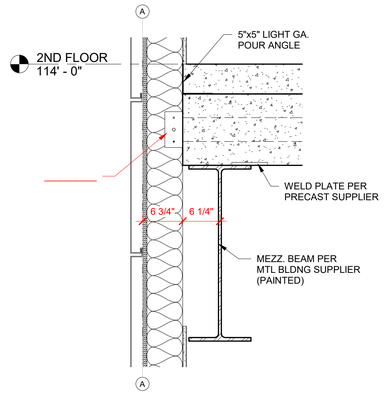
STRUCTURAL DETAIL - RAILING
4 /S5.0 SCALE = 1" = 1'-0"



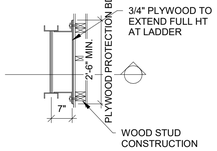
STRUCTURAL DETAIL 'C'
3 /S5.0 SCALE = 1" = 1'-0"



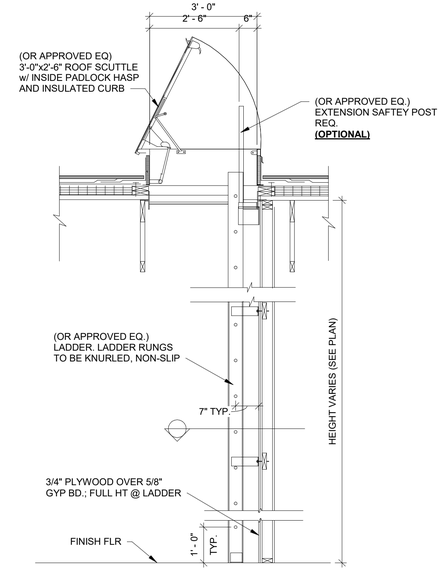
STRUCTURAL DETAIL 'B'
2 /S5.0 SCALE = 1" = 1'-0"



STRUCTURAL DETAIL 'A'
1 /S5.0 SCALE = 1" = 1'-0"



ROOF ACCESS LADDER TOP VIEW



ROOF ACCESS LADDER
6 /S5.0 SCALE = 1/2" = 1'-0"

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[ ] CONSTRUCTION		

STRUCTURAL DETAILS

S5.0

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