




Planning/Zoning Application

Planning & Zoning Department

Submitted On:

Mar 1, 2024, 04:43PM EST

Parcel Number: (Include ALL parcels)	ED-D29-1 , ED-F0096 , ED-F0095
Nearest property address to the project site:	Street Address: 600 HERITAGE RD City: DePere State: W Zip: 54115
Check each project type that is being applied for:	Site Plan
Current De Pere Zoning Districts:	BP-2
Existing Site Land Uses:	Business Park/Industrial
Proposed Site Land Uses:	Business Park/Industrial
Does the project comply with the Comprehensive Plan?	Yes
Has City Staff been contacted for a pre-consultation meeting?	Yes
Property Owner:	First Name: Karl Last Name: Schmidt
Is the property owner's address the same as the nearest property address?	Yes
Property Owner's Phone Number:	920-330-0764
Property Owner's Email Address:	karl.schmidt@belmark.com
Is someone processing the project for the property owner as their authorized representative?	Yes
Authorized Representative's Name:	First Name: Carolyn Last Name: Adler
Authorized Representative's Business Name:	McMahon Associates
Authorized Representative's Phone Number:	920-751-4200
Authorized Representative's Email Address:	cadler@mcmgrp.com

Please attach a PDF copy of the site plan.		Belmark Plant 1 - Architectural Plans.pdf Belmark Plant 1 - Photometrics.pdf Belmark Plant 1 - Soil Loss Calculation.pdf Landscaping Plan.pdf Project Schedule.pdf Stormwater Summary.pdf Belmark Plant 1 - Civil Plans.pdf
Would you like a basic checklist of information to include in the site plan?		No
How do you plan on paying for your application?		Mail a check
Total Due:		\$350.00
Signature Data	<div>First Name: Carolyn Last Name: Adler Email Address: cadler@mcmgrp.com</div> <div></div> <div>Signed at: March 1, 2024 4:42pm America/New_York</div>	
User's Session Information	IP Address: 67.53.157.66 Referrer URL:	

CITY OF DE PERE

335 South Broadway, De Pere, WI 54115 | www.de-pere.org



April 17, 2024

Carolyn Adler
McMahon Associates INC
1445 McMahon DR
Neenah, WI 54956

RE: Site Plan Review for the Belmark Plant 1 Addition at 600 Heritage RD
Parcel ED-F0096

Dear Carolyn:

Thank you for the site plan for the Belmark Plant 1 Addition at 600 Heritage RD. The City of De Pere staff reviewed the site plan on April 17, 2024, and recommended approval, with the following eight conditions that must be addressed prior to submitting a request for occupancy permits:

- Sheet 103: Identify why the storm sewer manhole on Commerce Drive labeled as approximate. If the manhole is buried due to the landscaping, then the landscaping will need to be removed to raise the manhole to grade. Adjustment of the manhole would be completed by City crews after the landscaping is removed.
- Sheet C108: Coordinate water meter sizing with the Water Department at 920-339-4063. Meters larger than 1" need to be special ordered and may require a long lead time for manufacturing and delivery.
- Sheet C108: Water Department will need to review plumbing plans for multiple water services entering a single structure. Back flow prevention may be required to ensure water is not returning back to the City's water main.
- SWMP: Record drawings and a walkthrough will be required prior to final acceptance of the storm water facilities, particularly the treatment manhole.
- SWMP: The City will need to enter into a storm water maintenance agreement for the new treatment facilities.
- Landscaping Plan: Even though the plant material numbers are minimal, a planting plan should be established for both trees and shrubs, so they are planted properly. Also, there is no mention of mulch or stone being laid down after planting.
- After landscaping is installed, provide a statement from the landscaper that verifies that all landscaping has been installed according to the approved landscaping plan to minimize delays or violations related to this topic.
- After the exterior lighting is installed, provide a statement from the installer that the light spill from the property does not exceed the approved photometric plan.

You may now proceed to the Inspection Division to begin the process of obtaining permits. Should you have any questions regarding the decision or require further information, feel free to contact me at 339-4043 or pschleinz@deperewi.gov.

Sincerely,

A handwritten signature in black ink, reading "Peter Schleinz". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Peter Schleinz
Senior Planner | Zoning Administrator

cc: Daniel J. Lindstrom, AICP, Development Services Director
Dennis Jensen, Senior Building Inspector

SOIL LOSS CALCULATION NARRATIVE

BELMARK PLANT 1 BUILDING & PARKING LOT ADDITION

City of De Pere, Brown County, WI
McMAHON-March, 2024

Introduction:

As required by NR 151, construction erosion control is to be modeled to verify that soil erosion occurring during land disturbance activities is less than 5 tons/acre/year. The DNR recommends the following steps:

1. Model the location where the worst case erosion scenario is anticipated to occur. Several locations may need to be analyzed to determine the worst case scenario. Factors to take into account to determine the worst case scenario are the season (erosion rates increase during the summer months), land slope (erosion increases with steeper slopes) and soil texture (erosion increases with silty soil textures).
2. Determine the compliance period. This is the time from initial land disturbance to final stabilization.
3. Conduct soil loss calculations using the spreadsheet calculation tool.
4. If 5 tons/acre/year are exceeded, rerun the spreadsheet tool with different variables to meet the compliance standard. Regardless of the outcome, basic erosion control practices (prescriptive compliance) need to be included. These will vary based on the type of land disturbance activities.
5. Re-analyze the soil loss guidelines if the actual construction process significantly deviates from the anticipated construction process. Such deviations may include duration of the project, area of land disturbance, or changes in the location or type of erosion control practices.

Summary:

The proposed project will disturb approximately 1.1 acres, and is to include the construction of a building addition, parking lot, storm sewer, pavement, and landscaping areas. There are no wetlands in the project area. Soils in the project area are Oshkosh Silt Loam (OnB). Infiltration is not required (see stormwater management plan). The following worst case erosion scenarios are as follows:

Existing site: 173' @ 2.8%, silt loam.

Proposed Site: 83' @ 1.9%, silt loam.

Entering data regarding the site and proposed construction project into the soil loss spreadsheet tool, it has been determined that the total sediment discharge is 1.7 ton/acre, which is less than the maximum erosion discharge rate allowed by the DNR, so a reduction is not required. However, the following measures will be implemented as determined appropriate.

Prescriptive compliance (per Tech Standards):

Per DNR Technical Standards, the following minimum erosion control practices will be implemented. See construction plan sheets for additional erosion control information.

- All side slopes steeper than 4:1 are to be protected with wildlife-friendly urban matting.
- All discharge points to be protected with velocity and energy dissipaters (riprap).
- Construction entrances are to be located at the construction site exit/entrance points.
- Utility trench work to be restored within 7 days after trench is filled and rough graded.
- Inlet protection is to be installed on all on and offsite catch basins and inlets.
- Silt fence is to be installed at the downstream extents of the construction site.



Soil Loss & Sediment Discharge Calculation Tool

for use on Construction Sites in the State of Wisconsin

WDNR Version 2.0 (06-29-2017)



YEAR 1

Developer:

Belmark Inc.

Project:

Belmark Plant 1 Building & Parking Lot Expansion

Date:

03/26/24

County:

Brown

Version 1.0

Activity (1)	Begin Date (2)	End Date (3)	Period % R (4)	Annual R Factor (5)	Sub Soil Texture (6)	Soil Erodibility K Factor (7)	Slope (%) (8)	Slope Length (ft) (9)	LS Factor (10)	Land Cover C Factor (11)	Soil loss A (tons/acre) (12)	SDF (13)	Sediment Control Practice (14)	Sediment Discharge (t/ac) (15)
Bare Ground	04/15/24	05/01/24	3.2%	100	Silt Loam	0.43	2.8%	173	0.32	1.00	0.4	1.065	Inlet Protection	0.3
Mulch or Erosion Mat	05/01/24	09/30/24	81.6%	100	Silt Loam	0.43	1.9%	83	0.18	0.20	1.3	1.042	Inlet Protection	0.9
End	09/30/24	----	----	----	-----	----	1.9%	83	0.18	-----	----	0.000		0.0
		----	----	----	-----	----	1.9%	83	0.18	-----	----	0.000		0.0
		----	----	----	-----	----	1.9%	0	----	-----	----	0.000		0.0
		----	----	----	-----	----	0.0%	0	----	-----	----	0.000		0.0
TOTAL											1.7		TOTAL	1.3
													% Reduction Required	NONE

Notes:

See Help Page for further descriptions of variables and items in drop-down boxes.

The last land disturbing activity on each sheet must be 'End'. This is either 12 months from the start of construction or final stabilization.

For periods of construction that exceed 12 months, please demonstrate that 5 tons/acre/year is not exceeded in any given 12 month period.

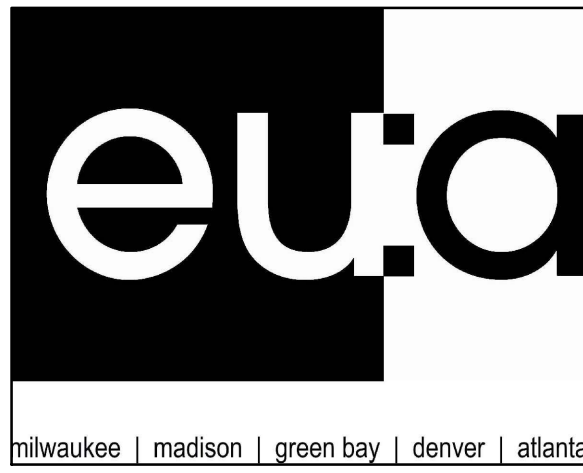
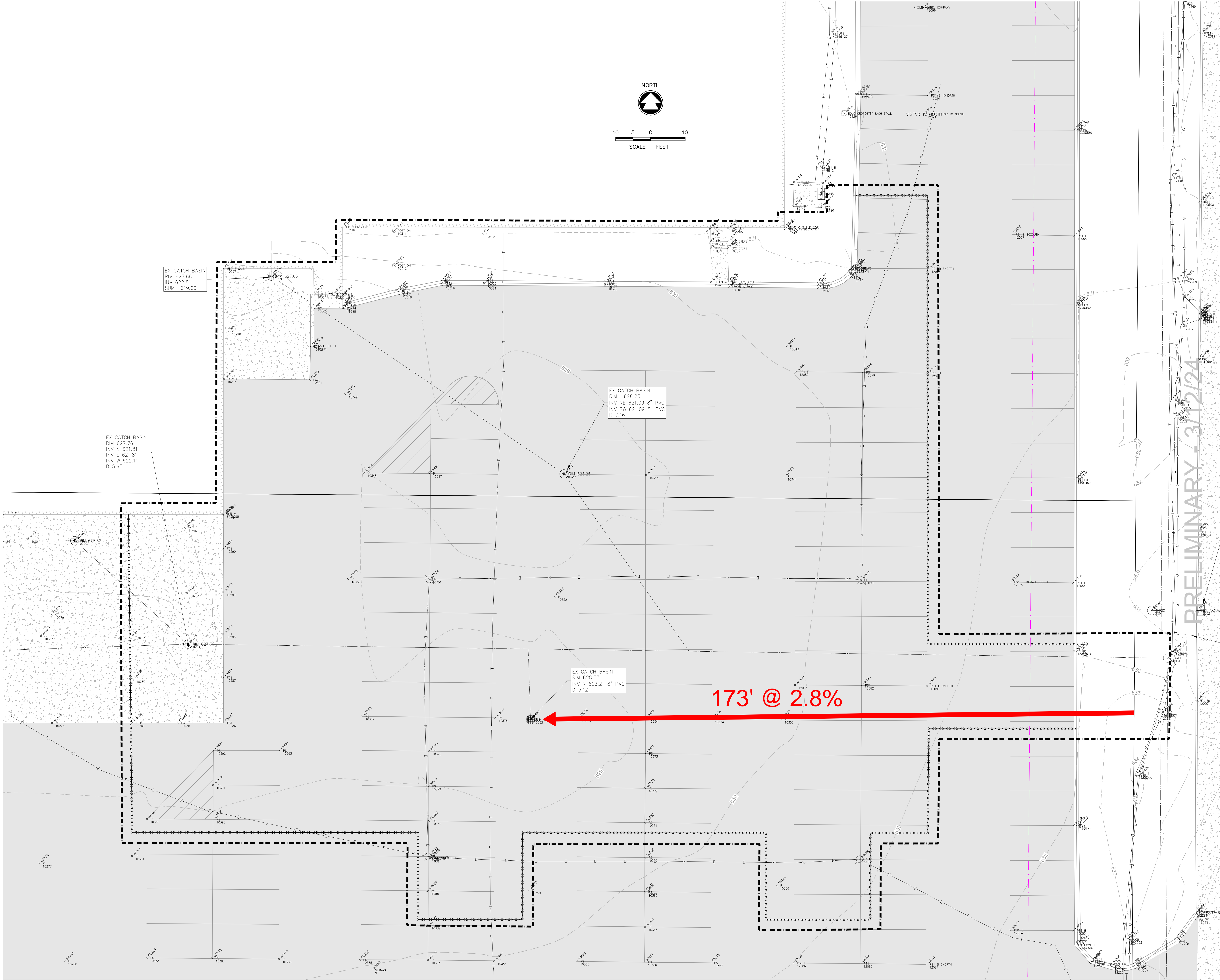
NOTE: THIS TOOL ONLY ADDRESSED SOIL EROSION DUE TO SHEET FLOW. MEASURES TO CONTROL CHANNEL EROSION MAY ALSO BE REQUIRED TO MEET SEDIMENT DISCHARGE REQUIREMENTS.

Recommended Permanent Seeding Dates:

4/15-6/1 and 8/1-8/21 Turf, introduced grasses and legumes
Thaw-6/30 Native Grasses, forbs, and legumes

Designed By:	Carolyn Adler
Date	3/26/2024

codder, W:\PROJECTS\B0039 (092400174) CAD\Drawings-Exhibits\Existing Conditions.dwg, c103 existing conditions & demolition plan, Plot Date: 3/26/2024 7:33 AM, xrefs: (x=exist topo belmark plant 1, x=exist shade belmark plant 1, parcels_co-drawn_2022_03, x=exist topo belmark, x=exist shade belmark)



PROJECT INFORMATION
**Belmark Plant 1
Expansion**

**D 600 Heritage Road
De Pere, WI 54115**

ISSUANCE AND REVISIONS	
DATE	DESCRIPTION

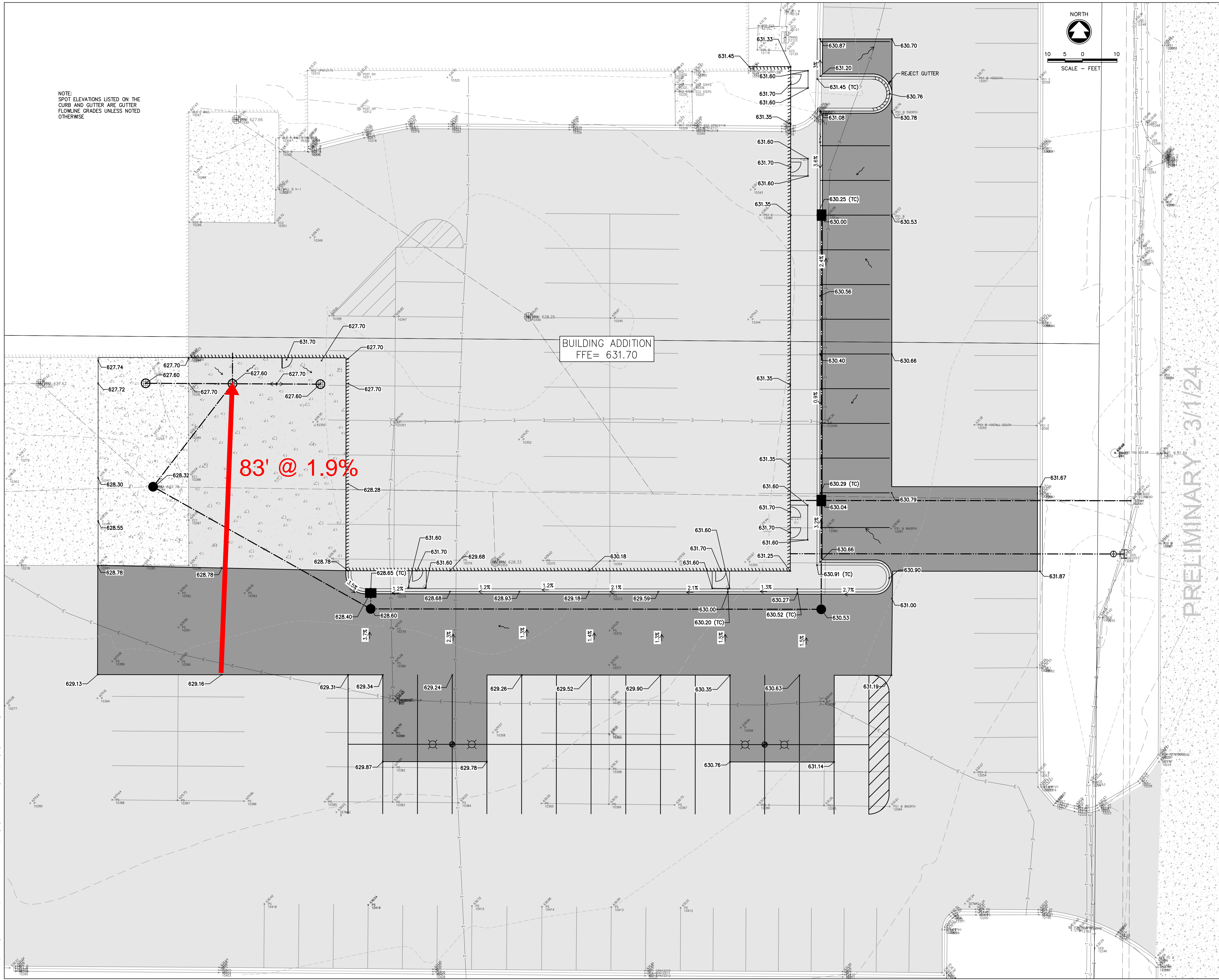
KEY PLAN

SHEET INFORMATION
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW
PROJECT NUMBER B0039-09-24-00174

codier, W:\PROJECTS\0039\092400174\CA00\Civil3D\Plan Sheets\Grading plan.dwg, c106 grading plan, Plot Date: 3/1/2024 3:39 PM, xrefs: (x=exist topo belmark plant 1, x=exist shade belmark plant 1, x=all points belmark plant 1, x=prop into belmark plant 1, x=proposed shade)

NOTE:
SPOT ELEVATIONS LISTED ON THE
CURB AND GUTTER ARE GUTTER
FLOWLINE GRADES UNLESS NOTED
OTHERWISE



PROJECT INFORMATION
**Belmark Plant 1
Expansion**

**600 Heritage Road
De Pere, WI 54115**

ISSUANCE AND REVISIONS	
DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW
PROJECT NUMBER B0039-09-24-00174

caddie, W:\PROJECTS\B0039\092400174\CADD\Civil3D\Plan Sheets\COVER NOTES DETAILS.dwg, c101 abbreviations symbols & notes, Plot Date: 4/2/2024 11:30 AM, xrefs: (x=exist topo belmark plant 1, x=exist shade belmark plant 1, parcels_co-brown_2022_03, x=exist topo belmark, x=exist shade belmark)

STANDARD ABBREVIATIONS		
AC	ACRE	LT
AG	AGGREGATE	LVC
AH	AHEAD	MAINT
ASPH	ASPHALT PAVEMENT	MAT'L
AVG	AVERAGE	MAX
B-B	BACK TO BACK	MIN
BEG	BEGIN	MH
BIT	BITUMINOUS	MP
BK	BACK	NB
B/L	BASE LINE	NO
BLDG	BUILDING	NOR
BM	BENCH MARK	OD
BOC	BACK OF CURB	OBLT
BRG	BEARING	PAVT
C-C	CENTER TO CENTER	PC
CY	CUBIC YARD	PCC
C&G	CURB AND GUTTER	PE
CB	CATCH BASIN	PED
CE	COMMERCIAL ENTRANCE	PGL
CHD	CHORD	P/L
C/L	CENTER LINE	PLE
CL	CLASS (FOR CONC PIPE)	PP
CMP	CORRUGATED METAL PIPE	PRC
CO	CLEAN OUT	PROP
CONC	CONCRETE	PSD
CORR	CORRUGATED	PSI
CP	CONTROL POINT	PT
CR	CRUSHED	PVC
CS	CURB STOP	
CSW	CONCRETE SIDEWALK	PVI
CTH	COUNTY TRUNK HIGHWAY	PVT
CULV	CULVERT	R
D	DEPTH OR DELTA	RCP
DI	DUCTILE IRON	RD
DIA	DIAMETER	REBAR
DISCH	DISCHARGE	REM
EA	EACH	RECON
EB	EASTBOUND	REQ'D
EBS	EXCAVATION BELOW SUBGRADE	R/L
EG	EDGE OF GRAVEL	RP
ELEV	ELEVATION	RR
ELEC	ELECTRIC	RT
EMB	EMBANKMENT	R/W
EMAT	EROSION MAT	SB
ENT	ENTRANCE	SE
EOR	END OF RADIUS	SF
EXC	EXCAVATION	SI
EX	EXISTING	STH
EW	ENDWALL	SY
F-F	FACE TO FACE	SALV
FDN	FOUNDATION	SAN
FE	FIELD ENTRANCE	SEC
FERT	FERTILIZER	SHLDR
FG	FINISHED GRADE	S/L
F/L	FLOW LINE	SI
FT	FOOT	STA
FTG	FOOTING	STD
GRAV	GRAVEL	STO
GN	GRID NORTH	SW
GV	GAS VALVE	TC
HDPE	HIGH DENSITY POLYETHYLENE	TEL
HE	HIGHWAY EASEMENT	TEMP
HMA	HOT MIX ASPHALT	TLE
HP	HIGH POINT	TV
HT	HEIGHT	TYP
HYD	HYDRANT	UG
ID	INSIDE DIAMETER	USH
IN	INCH	VAR
INL	INLET	VERT
INV	INVERT	WB
IP	IRON PIPE	WC
JCT	JUNCTION	WM
LB	POUND	WV
LF	LINEAR FOOT	
LP	LIGHT POLE	

GENERAL NOTES

- THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY VERTICAL DISCREPANCY.
- THE PROPERTY LINES, RIGHT-OF-WAY LINES AND OTHER PROPERTY INFORMATION ON THIS DRAWING WERE DEVELOPED OR OBTAINED AS PART OF THE COUNTY GEOGRAPHIC INFORMATION SYSTEM OR THROUGH THE COUNTY PROPERTY TAX MAPPING FUNCTION. MCMAHON DOES NOT GUARANTEE THIS INFORMATION TO BE CORRECT, CURRENT OR COMPLETE. THE PROPERTY AND RIGHT-OF-WAY INFORMATION ARE INTENDED FOR USE AS A GENERAL REFERENCE AND ARE NOT INTENDED OR SUITABLE FOR SITE-SPECIFIC USES. ANY USE TO THE CONTRARY OF THE ABOVE STATED USES IS THE RESPONSIBILITY OF THE USER AND SUCH USE IS AT THE USER'S OWN RISK.
- NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
- A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
- ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

THIS PLAN SET WAS CREATED WITH CIVIL3D 2023. MCMAHON'S "DISCLAIMER FOR TRANSFER OF ELECTRONIC FILES" FORM NEEDS TO BE SIGNED IF A COPY OF THE ELECTRONIC FILES ARE REQUESTED. MCMAHON MAKES NO REPRESENTATION REGARDING THE COMPATIBILITY OF THESE FILES WITH OTHER SOFTWARE, NOR DOES MCMAHON REPRESENT THAT THE FILES WILL CONVERT TO OTHER SOFTWARE WITHOUT ERROR.

STANDARD SYMBOLS (PLAN VIEW ONLY)		
2" IRON PIPE FOUND	TELEPHONE CABLE - BURIED	
1 1/4" REBAR FOUND	ELECTRIC CABLE - BURIED	
1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET	UTILITIES - OVERHEAD	
1" (1.315 OD) IRON PIPE FOUND	FIBER OPTIC CABLE - BURIED	
1" IRON PIPE SET	GAS MAIN	
3/4" IRON REBAR FOUND	CABLE TELEVISION - BURIED	
3/4" IRON PIPE FOUND	DITCH LINE	
3/4"x 24" IRON REBAR WEIGHING 1.5 LB/LF SET	STREET C/L OR R/L	
MAG NAIL FOUND	PROPERTY LINE	
MAG NAIL SET	RIGHT-OF-WAY LINE	
MAG SPIKE FOUND	SECTION LINE	
MAG SPIKE SET	EXISTING CONTOURS	
CHISEL CROSS FOUND	PROPOSED CONTOURS	
CHISEL CROSS SET	EXISTING FORCEMAIN SEWER	
COUNTY MONUMENT	EXISTING SANITARY SEWER	
CONCRETE MONUMENT FOUND	PROPOSED SANITARY SEWER	
POINT OF TANGENCY	EXISTING WATER MAIN	
POLYVINYL CHLORIDE OR	PROPOSED WATER MAIN	
POINT OF VERTICAL CURVATURE	EXISTING STORM SEWER	
POINT OF VERTICAL INTERSECTION	PROPOSED STORM SEWER	
POINT OF VERTICAL TANGENCY	EXISTING CURB & GUTTER	
RADIUS	PROPOSED CURB & GUTTER	
REINFORCED CONCRETE PIPE	PROPOSED REJECT CURB & GUTTER	
ROAD	EXISTING CULVERT WITH END SECTIONS	
REINFORCEMENT ROD	PROPOSED CULVERT WITH END SECTIONS	
REMOVE	BUILDING OUTLINE	
RECONSTRUCT	FENCE LINE	
REQUIRED	SAW CUT REQ'D	
REFERENCE LINE	SILT FENCE	
RADIUS POINT	GUARD RAIL	
RAILROAD	DITCH CHECK	
RAILROAD GATE ARM	INLET PROTECTION	
RAILROAD TRACKS	TRACKING PAD	
LIGHT POLE	TURBIDITY BARRIER OR SHEET PILING	
WOOD POLE	SANDBAG COFFERDAM	
TRAFFIC SIGNAL	SLOPE INTERCEPT	
TRAFFIC SIGNAL MAST ARM	LIMITS OF DISTURBANCE	
CONIFEROUS TREE		
DECIDUOUS TREE		
TREE OR BRUSH LINE		
BED ROCK (IN PROFILE VIEW)		
HANDICAPPED PARKING STALL		
EXISTING SPOT ELEVATION		
PROPOSED SPOT ELEVATION		
DRAINAGE HIGH POINT		
DRAINAGE DIRECTION		
EXISTING MANHOLE		
PROPOSED MANHOLE		
EXISTING INLET		
PROPOSED INLET		
EXISTING YARD DRAIN		
PROPOSED YARD DRAIN		
EXISTING CLEAN OUT		
PROPOSED CLEAN OUT		
EXISTING DOWNSPOUT		
PROPOSED DOWNSPOUT		
EXISTING WATER VALVE		
PROPOSED WATER VALVE		
EXISTING CURB STOP		
PROPOSED CURB STOP		
EXISTING FIRE HYDRANT		
PROPOSED FIRE HYDRANT		
PROPOSED WATER FITTING		
PROPOSED WATER REDUCER		
PROPOSED ENDCAP		
GAS VALVE		

OWNER

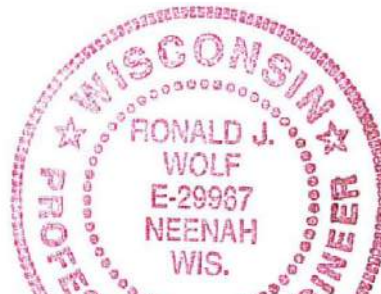
BELMARK INC
ATTN: GARRETT WILLEMS
600 HERITAGE ROAD
P.O. BOX 5310
DEPERE, WI 54115-5310
(920) 330-9789

CIVIL ENGINEER

MCMAHON ASSOCIATES
ATTN: RON WOLF
1455 MCMAHON DRIVE
NEENAH, WI 54956
(920) 751-4200

GENERAL CONTRACTOR

BOLDT
ATTN: TONY MEEUWSEN
3049 RAMADA WAY
SUITE 150
GREEN BAY, WI 54304
(920) 450-3255



EROSION & SEDIMENT CONTROL PLAN

BEST MANAGEMENT PRACTICES:

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT <http://www.dnr.wi.gov/dnrgif/stormwater/technical.htm>. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, MS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

- | | |
|---|--|
| [] LAND APPLICATION OF POLYACRYLAMIDE (1050) | [] DE-WATERING (1061) |
| [] WATER APPLICATION OF POLYMERS (1051) | [] DITCH CHECK (1062) |
| [] NON-CHANNEL EROSION MAT (1052) | [] SEDIMENT TRAP (1063) |
| [] CHANNEL EROSION MAT (1053) | [] SEDIMENT BASIN (1064) |
| [] VEGETATIVE BUFFER (1054) | [] RIP-RAP (1065) |
| [] SEDIMENT BALE BARRIER (1055) | [] CONSTRUCTION DIVERSION (1066) |
| [X] SILT FENCE (1056) | [] GRADING PRACTICES (1067) |
| [X] TRACKING PAD & TIRE WASHING (1057) | [X] DUST CONTROL (1068) |
| [X] MULCHING (1058) | [] TURBIDITY BARRIER (1069) |
| [X] SEEDING (1059) | [] SILT CURTAIN (1070) |
| [X] STORM DRAIN INLET PROTECTION (1060) | [] MANUFACTURED PERIMETER PRODUCTS (1071) |

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

- DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.
- DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.
- DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.
- DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.
- DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.
- DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.
- DISCHARGE OF SEDIMENT FROM EROSION OUTLET FLOWS.
- TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.
- TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

- PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
- MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
- MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
- MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
- DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
- TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
- PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
- CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

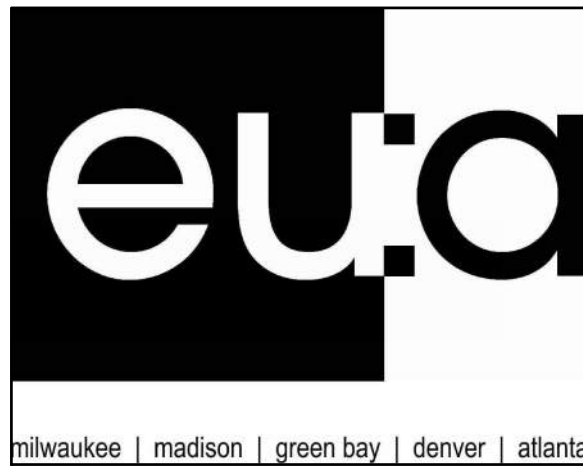
INSPECTION & MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

AMENDMENTS:

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.



E



PROJECT INFORMATION

Belmark Plant 1
Expansion

D 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

C

KEY PLAN

B

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW

A PROJECT NUMBER B0039-09-24-00174

ABBREVIATIONS
SYMBOLS & NOTES

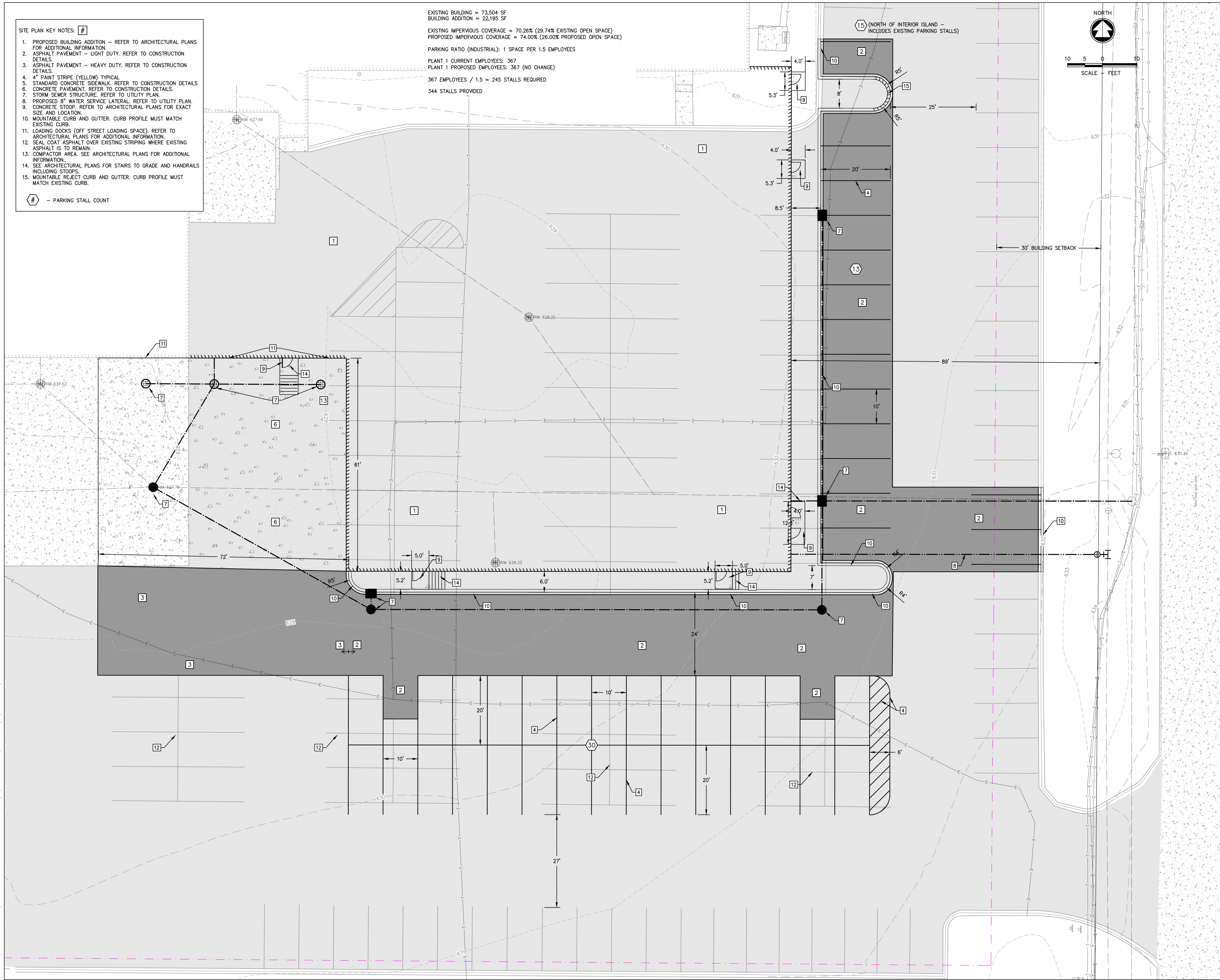
C101

© 2023 Epstein Uhen Architects, Inc.

codier, W:\PROJECTS\B0039\092400174\CA00\Civil3D\Plan_Sheets\Proposed Site.dwg, c104 proposed site & dimensions, Plot Date: 4/2/2024 11:30 AM, wreis: (x=exist topo belmark, x=all points belmark, x=prop into belmark, x=exist shade belmark, x=prop into belmark plant 1, x=proposed shade)

- SITE PLAN KEY NOTES: #
1. PROPOSED BUILDING ADDITION - REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
 2. ASPHALT PAVEMENT - LIGHT DUTY. REFER TO CONSTRUCTION DETAILS.
 3. ASPHALT PAVEMENT - HEAVY DUTY. REFER TO CONSTRUCTION DETAILS.
 4. 4" PAINT STRIPE (YELLOW) TYPICAL.
 5. STANDARD CONCRETE SIDEWALK. REFER TO CONSTRUCTION DETAILS.
 6. CONCRETE PAVEMENT. REFER TO CONSTRUCTION DETAILS.
 7. STORM SEWER STRUCTURE. REFER TO UTILITY PLAN.
 8. PROPOSED 8" WATER SERVICE LATERAL. REFER TO UTILITY PLAN.
 9. CONCRETE STOOP. REFER TO ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION.
 10. MOUNTABLE CURB AND GUTTER. CURB PROFILE MUST MATCH EXISTING CURB.
 11. LOADING DOCKS (OFF STREET LOADING SPACE). REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
 12. SEAL COAT ASPHALT OVER EXISTING STRIPING WHERE EXISTING ASPHALT IS TO REMAIN.
 13. COMPACTOR AREA. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
 14. SEE ARCHITECTURAL PLANS FOR STAIRS TO GRADE AND HANDRAILS INCLUDING STOOPS.
 15. MOUNTABLE REJECT CURB AND GUTTER. CURB PROFILE MUST MATCH EXISTING CURB.
- # - PARKING STALL COUNT

EXISTING BUILDING = 73,504 SF
BUILDING ADDITION = 22,195 SF
EXISTING IMPERVIOUS COVERAGE = 70.26% (29.74% EXISTING OPEN SPACE)
PROPOSED IMPERVIOUS COVERAGE = 74.00% (26.00% PROPOSED OPEN SPACE)
PARKING RATIO (INDUSTRIAL): 1 SPACE PER 1.5 EMPLOYEES
PLANT 1 CURRENT EMPLOYEES: 367
PLANT 1 PROPOSED EMPLOYEES: 367 (NO CHANGE)
367 EMPLOYEES / 1.5 = 245 STALLS REQUIRED
344 STALLS PROVIDED



PROJECT INFORMATION
Belmark Plant 1 Expansion

**600 Heritage Road
De Pere, WI 54115**

ISSUANCE AND REVISIONS	
DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW
PROJECT NUMBER B0039-09-24-00174

**PROPOSED SITE &
DIMENSIONS**
C104
© 2023 Epstein Uhen Architects, Inc.

Belmark Plant 1 Expansion

D 600 Heritage Road
De Pere, WI 54115

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

A PROJECT NUMBER B0039-09-24-00174

PROPOSED SITE & DIMENSIONS

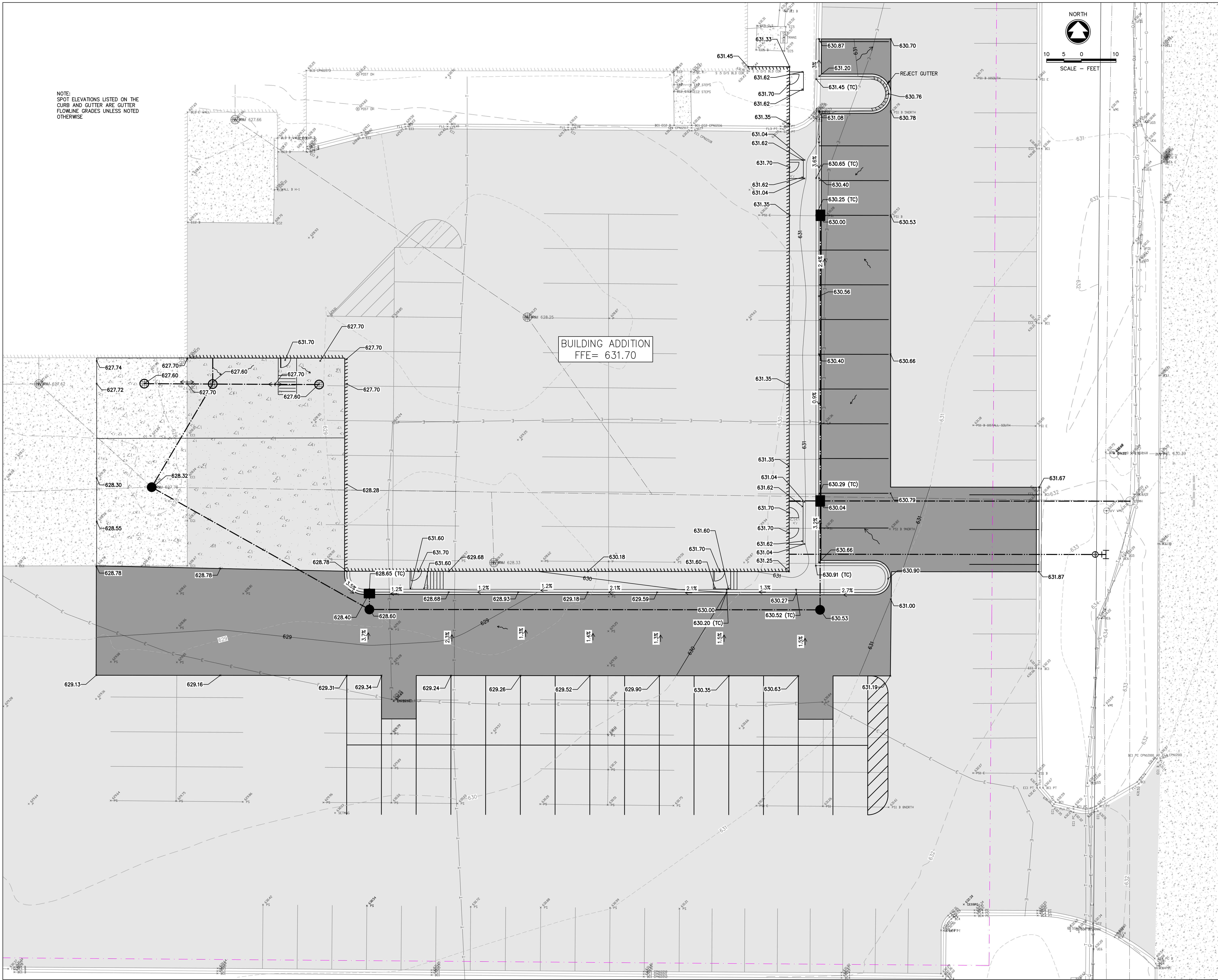
C105

© 2023 Epstein Uhen Architects, Inc.



codier, W:\PROJECTS\B0039\092400174\CAD\Plan Sheets\Grading plan.dwg, c106 grading plan, Plot Date: 4/2/2024 11:30 AM, xrefs: (x=exist topo belmark plant 1, x=all points belmark plant 1, x=shade belmark plant 1, x=exist shade belmark plant 1, x=exist topo belmark, x=all points belmark, x=shade belmark, x=prop into belmark plant 1, x=proposed shade)

NOTE:
SPOT ELEVATIONS LISTED ON THE
CURB AND GUTTER ARE GUTTER
FLOWLINE GRADES UNLESS NOTED
OTHERWISE



McMAHON
ENGINEERS ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 1029, NEENAH, WI 54957-1025
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

PROJECT INFORMATION

Belmark Plant 1
Expansion

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW
PROJECT NUMBER B0039-09-24-00174

GRADING PLAN

C106

cadd:\w\PROJECTS\B0039\092400174\CADD\Civil3D\Plan Sheets\Grading plan.dwg, c107 grading plan, Plot Date: 4/2/2024 11:30 AM. xrefs: (x=exist topo belmark plant 1, x=all points belmark plant 1, x=shade belmark plant 1, parcels_co-brown_2022_09, x=exist topo belmark, x=all points belmark, x=prop into belmark plant 1, x=proposed shade)



PROJECT INFORMATION

Belmark Plant 1 Expansion

**600 Heritage Road
De Pere, WI 54115**

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER **RJW**

PROJECT NUMBER **B0039-09-24-00174**

GRADING PLAN

C107

© 2023 Epstein Uhen Architects, Inc.

PROJECT INFORMATION

Belmark Plant 1 Expansion

D 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJV

PROJECT NUMBER B0039-09-24-001

UTILITY & EROSION CONTROL PLAN

C108

© 2023 Epstein Uhen Architects, Inc.



Pipe ID	Pipe Attributes	Pipe Capacity (gpm)	Calculated Flow (gpm)	Acceptable (Y/N)
CB - 1, CB 2	8" PVC @ 0.94%	621	39	Y
CB3 - CB 2	8" PVC @ 1.45%	771	185	Y
CB 2 - WQM#4	15" PVC @ 0.51%	2448	1090	Y
WQM#4 - MH 5	15" PVC @ 0.75%	1819	4053	Y
INL 6 - MH 5	12" PVC @ 1.00%	1480	1829	Y
MH 5 - MH 7	18" PVC @ 1.00%	5564	4914	Y
2x3 INL 9 - INL MH 9	8" PVC @ 1.00%	641	129	Y
INL MH 8 - EX ST0 MH	18" PVC @ 1.30%	6344	5943	Y

PROPOSED DESIGN OPER. CONDITIONS - RATIONAL METHOD									
AREA	C	Acres	5 yr Intensity	5 yr Intensity	10 yr Intensity	10 yr Intensity	100 yr Intensity	100 yr Intensity	100 yr Intensity
STORM SEVERE NOTE			FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW
CATCHBASIN1	0.90	0.03	0.1	4.6	0.12	5.2	0.14	7.2	0.24
CATCHBASIN2	0.88	0.05	0.1	4.6	2.23	5.2	2.53	7.2	4.37
CATCHBASIN3	0.91	0.19	0.1	4.6	0.15	5.2	0.16	7.2	0.24
WQHM 4 (UPSTREAM INLET)	0.90	1.91	0.1	4.6	7.89	5.2	8.92	7.2	15.43
2x3 INLET #1	0.75	0.72	0.1	4.6	2.48	5.2	2.82	7.2	4.60
4x12 INLET #1	0.67	0.68	0.1	4.6	3.32	5.2	3.62	7.2	4.54
2x3 INLET #2	0.70	0.12	0.1	4.6	0.39	5.2	0.44	7.2	0.28
		4.06 acres		15.99 cfs		18.07 cfs		21.78 cfs	

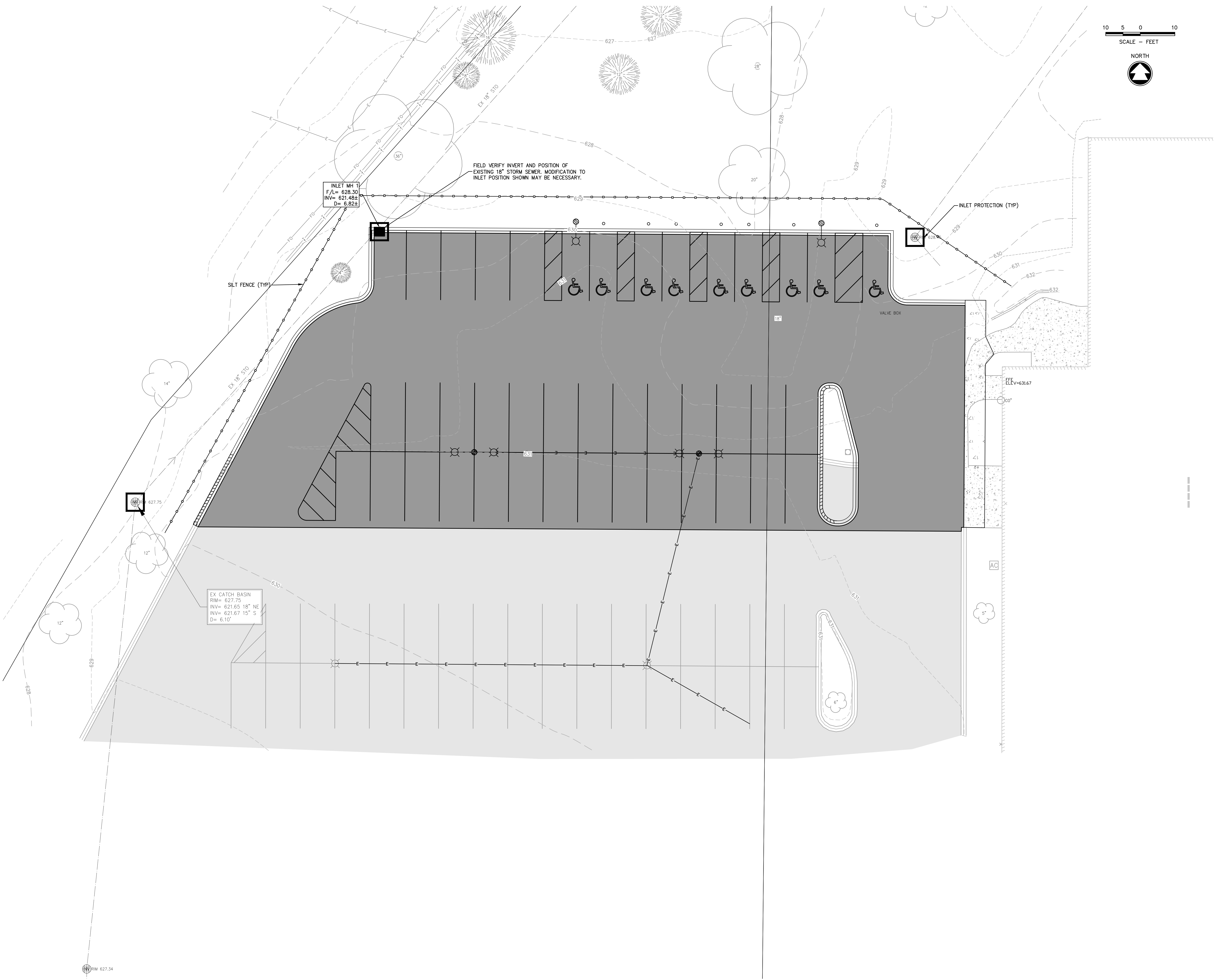
[illegible]

A. Flow rates are based on the Wisconsin State Plumbing Code Requirements & cross checked with the International Plumbing Code, 2009 Edition.
B. Storm sewer checked with rational method to verify consistency with the state plumbing code method.

NOTE:

1. SITE CONTRACTORS SHALL COORDINATE PIPE CONNECTIONS TO STRUCTURE WITH PLUMBING FLANS.
- 1.1. ELEVATION
- 1.2. DIAMETER
- 1.3. PIPE MATERIAL
- 1.4. POSITION ALONG WALL
2. FIRE PROTECTION LINE SHALL BE COORDINATED WITH FIRE PROTECTION CONTRACTOR FOR TRANSITION TO QJ 53 DIP VALVE ALIGNS AND STAINLESS RODDED FLANGE ABOVE FLOOR.
3. THE NEW WATER SERVICE WILL NEED TO BE SAFE SAMPLED AND PRESSURE TESTED BEFORE ALLOWING THE SERVICE VALVE TO BE TURNED ON.
4. RECORD DRAWINGS AND A WALKTHROUGH WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE OF THE STORM WATER FACILITIES.

codder, W:\PROJECTS\B0039\092400174\CADD\Plan_Sheets\UTILITY.dwg, c:\09 utility & erosion control plan, Plot Date: 4/2/2024 11:37 AM, x=exist
topo belmark, x=off points belmark, x=pop into belmark, x=exist shade belmark, x=proposed shade, grading plan)



PROJECT INFORMATION

Belmark Plant 1
Expansion

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW

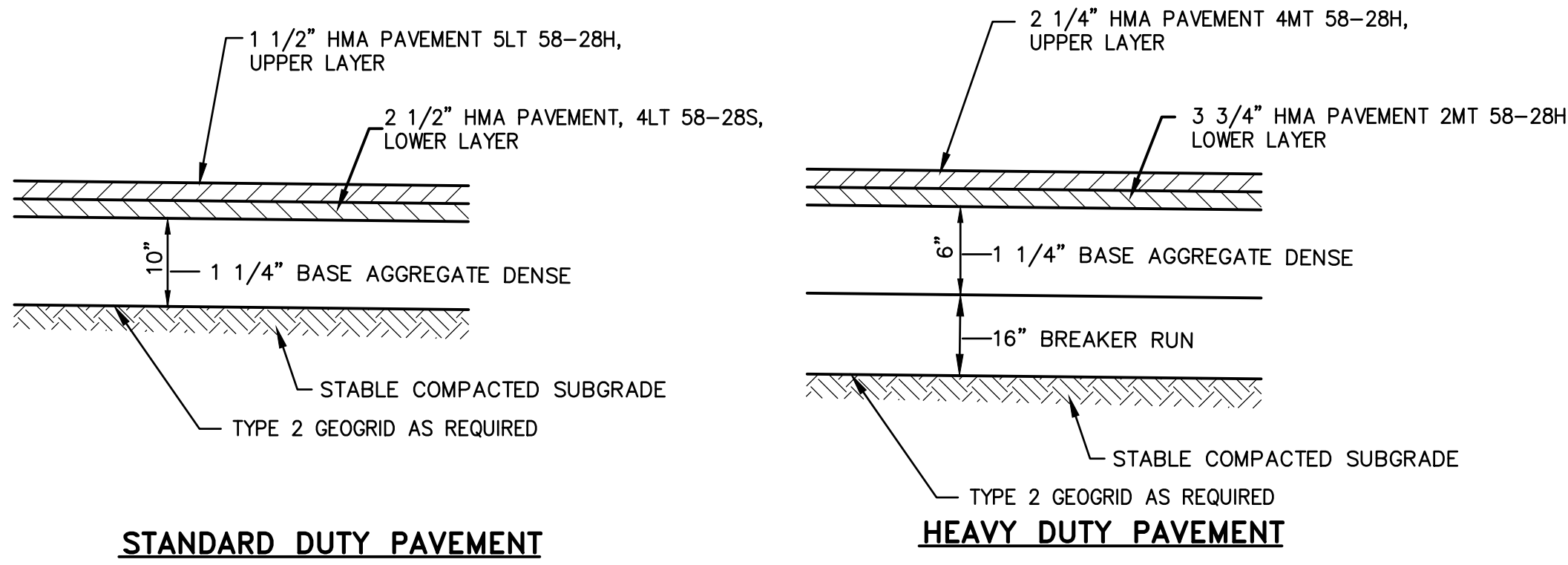
PROJECT NUMBER B0039-09-24-00174

UTILITY & EROSION
CONTROL PLAN

C109

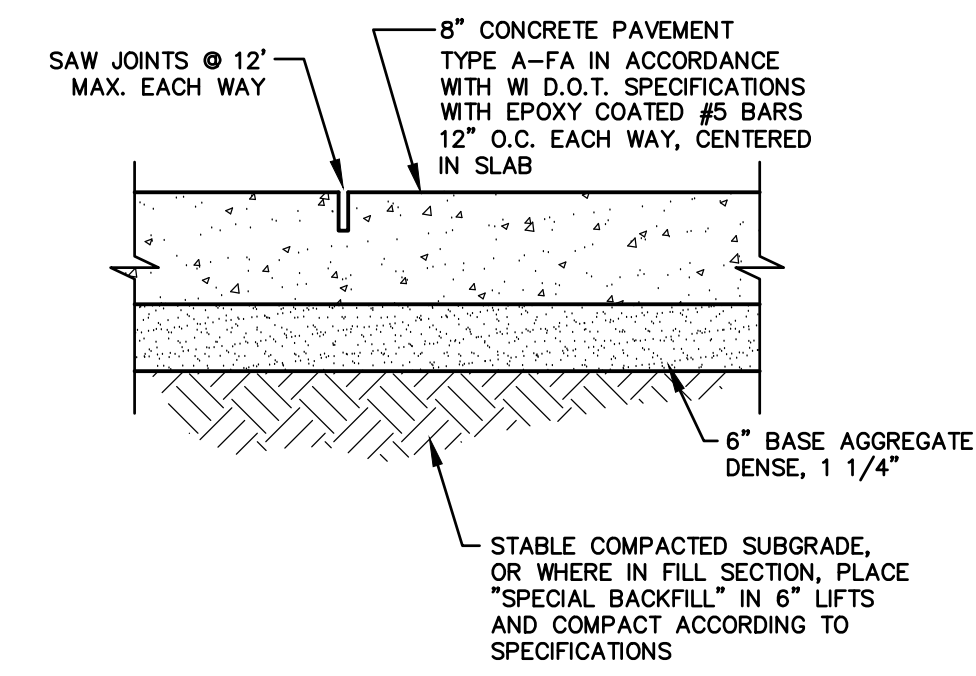
© 2023 Eppstein Uhen Architects, Inc.

cadd: W:\PROJECTS\092400174\CA00\civil3d\Plan Sheets\COVER NOTES DETAILS.dwg, c110 miscellaneous details, Plot Date: 4/2/2024 11:31 AM, refs: (x=exist topo belmark plant 1, x=all points belmark plant 1, x=exist shade belmark plant 1, parcels_co-brown_2022_09, x=exist topo belmark plant 1, x=all points belmark plant 1, x=exist shade belmark plant 1, parcels_co-brown_2022_09, x=exist topo belmark plant 1, x=all points belmark plant 1, x=exist shade belmark plant 1, parcels_co-brown_2022_09)

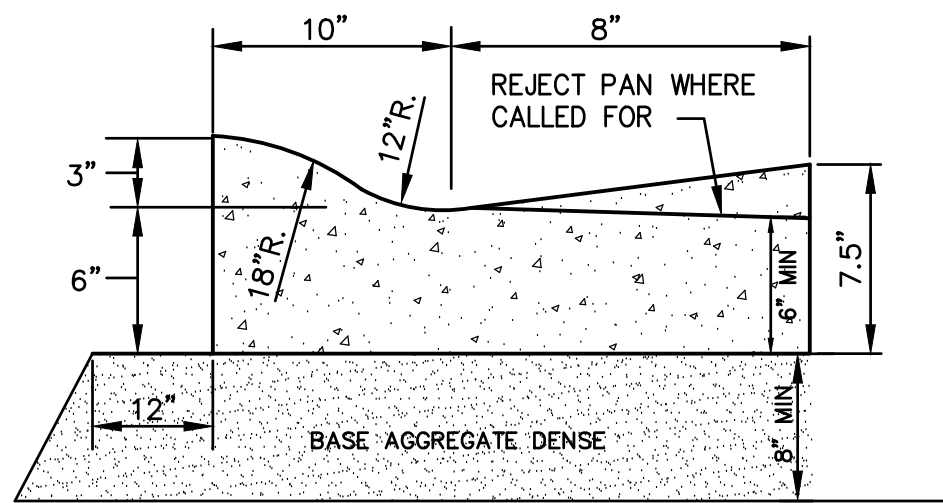


NOTE: PAVEMENT SECTIONS SHOWN ARE BELMARK STANDARDS. NO GEOTECHNICAL OR ENGINEERING ANALYSIS HAVE BEEN MADE TO DETERMINE THE PAVEMENT SECTIONS FOR THIS SITE.

PARKING LOT PAVEMENT DETAIL

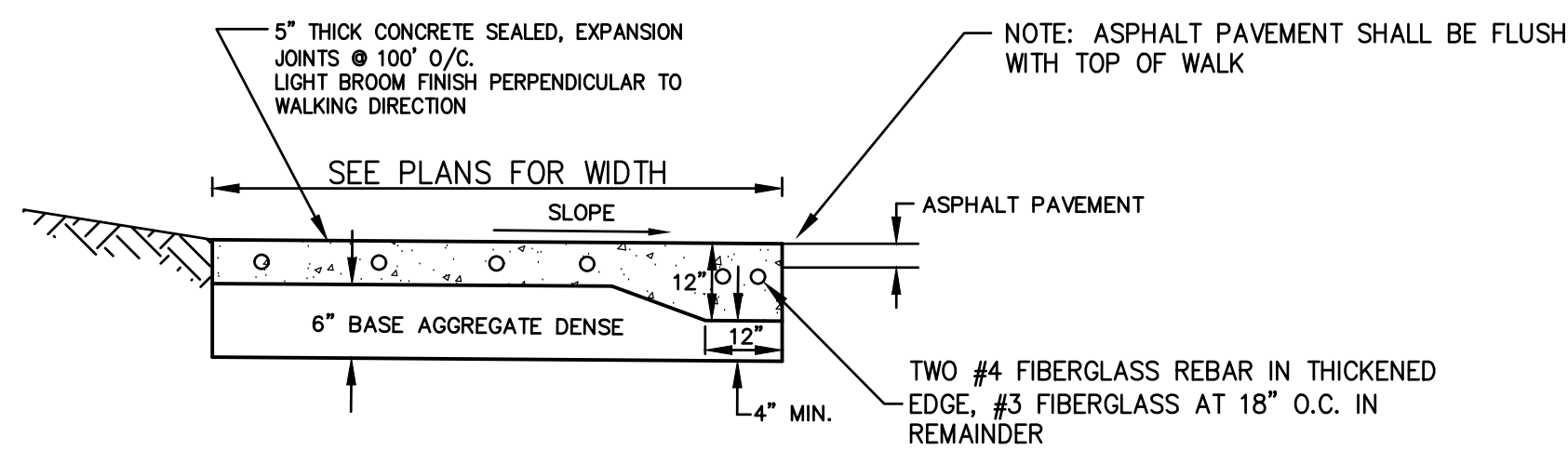


CONCRETE PAVEMENT DETAIL

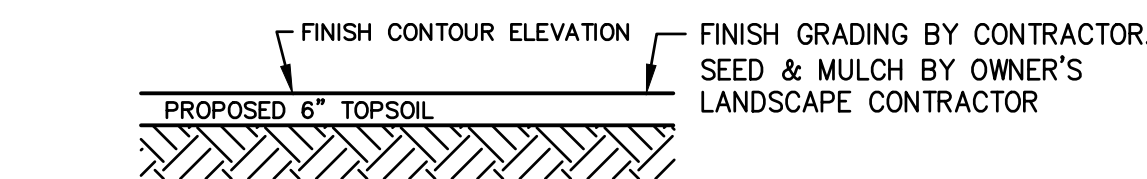


MOUNTABLE CURB AND GUTTER DETAIL (BELMARK STANDARD)

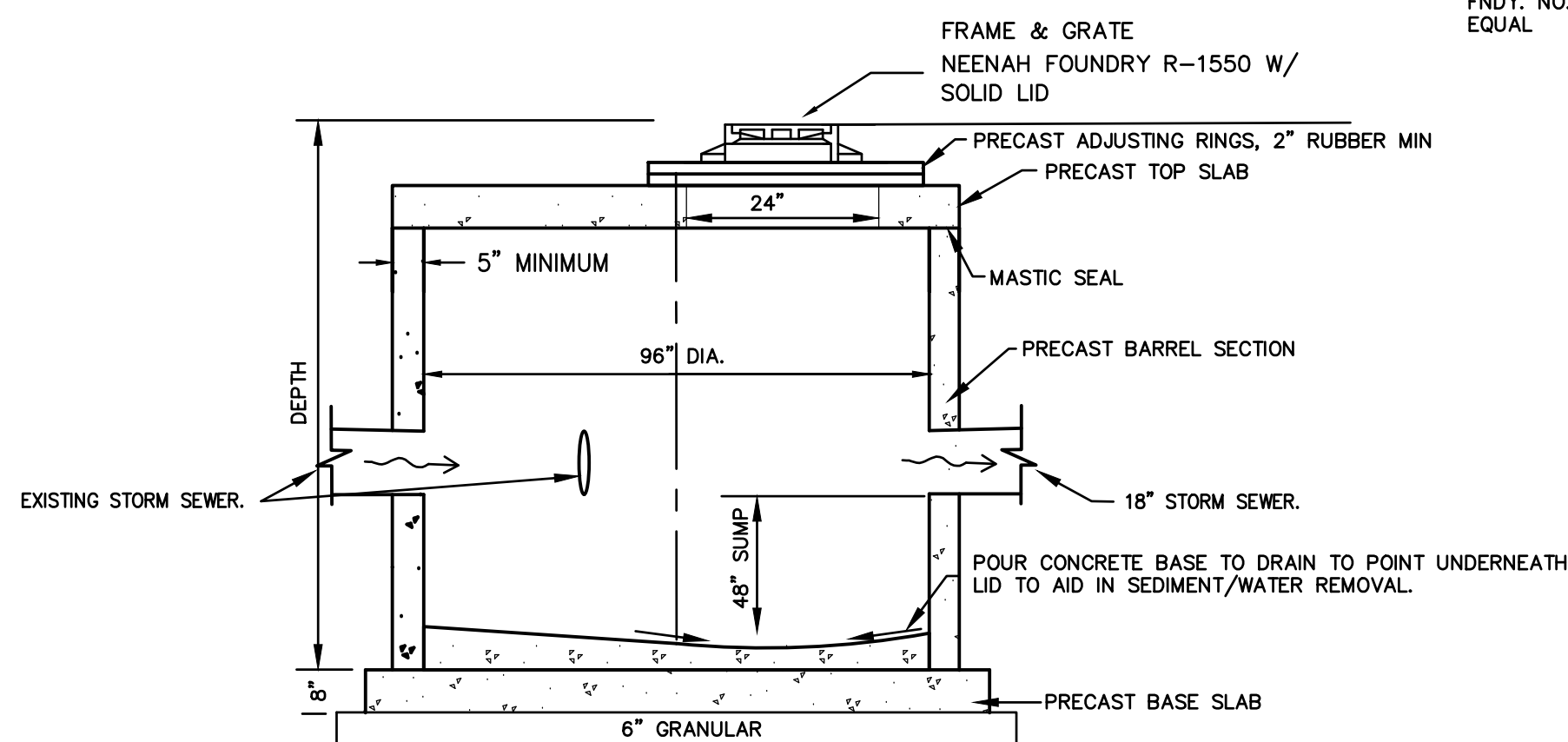
CONTRACTOR SHALL FIELD VERIFY AND MATCH EXISTING WIDTH AND PROFILE



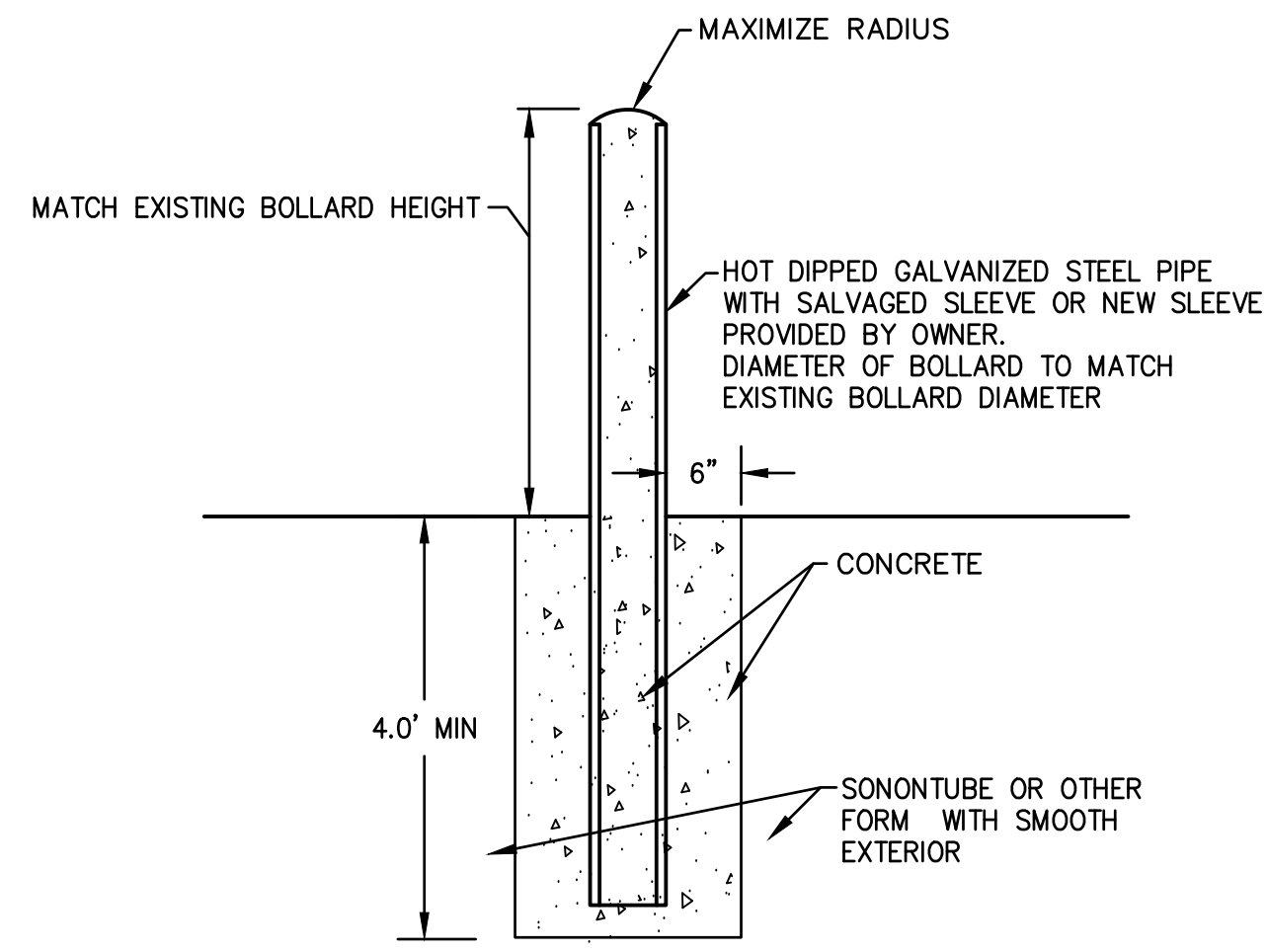
THICKENED EDGE CONCRETE SIDEWALK (CFS)



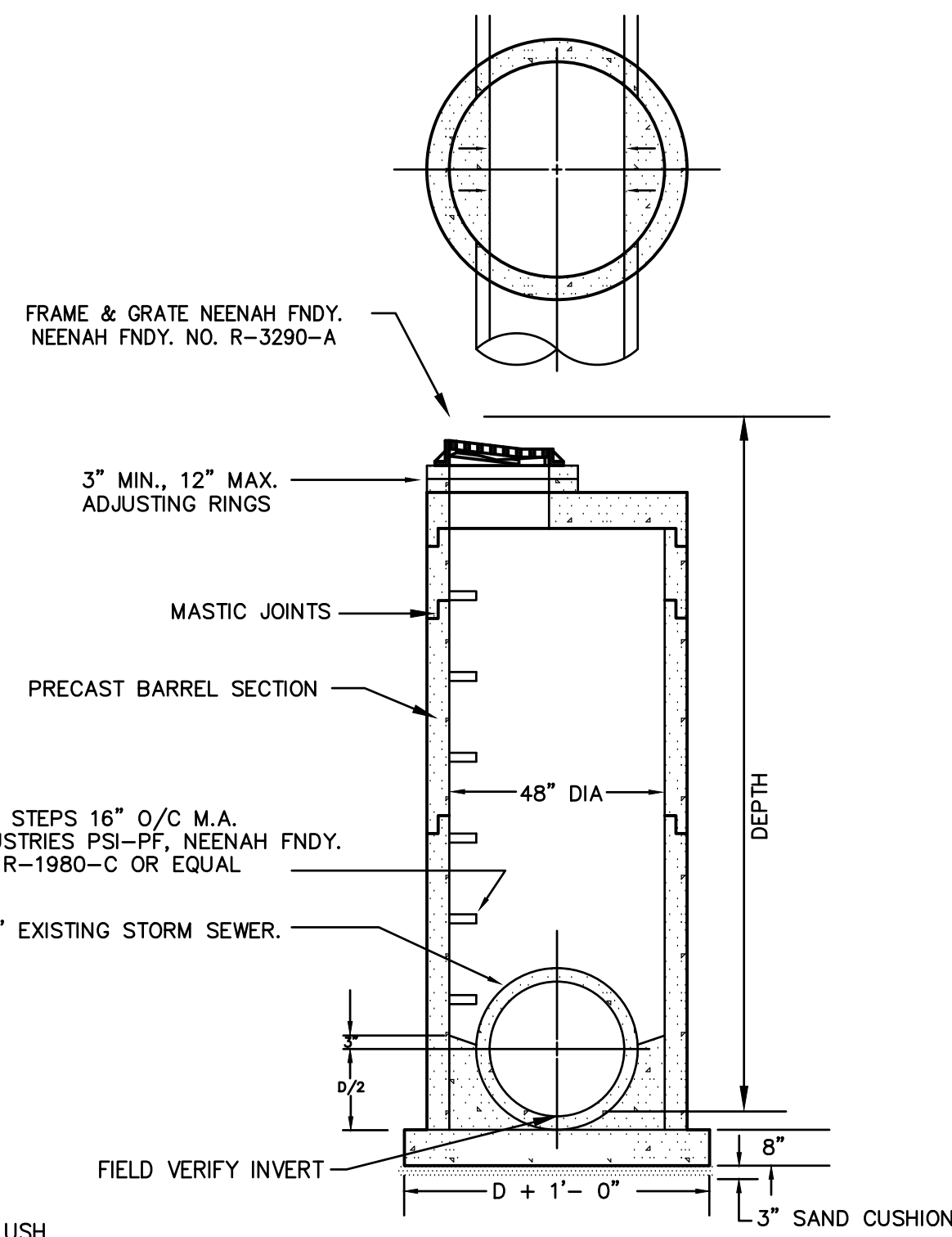
TYPICAL LANDSCAPED SECTION



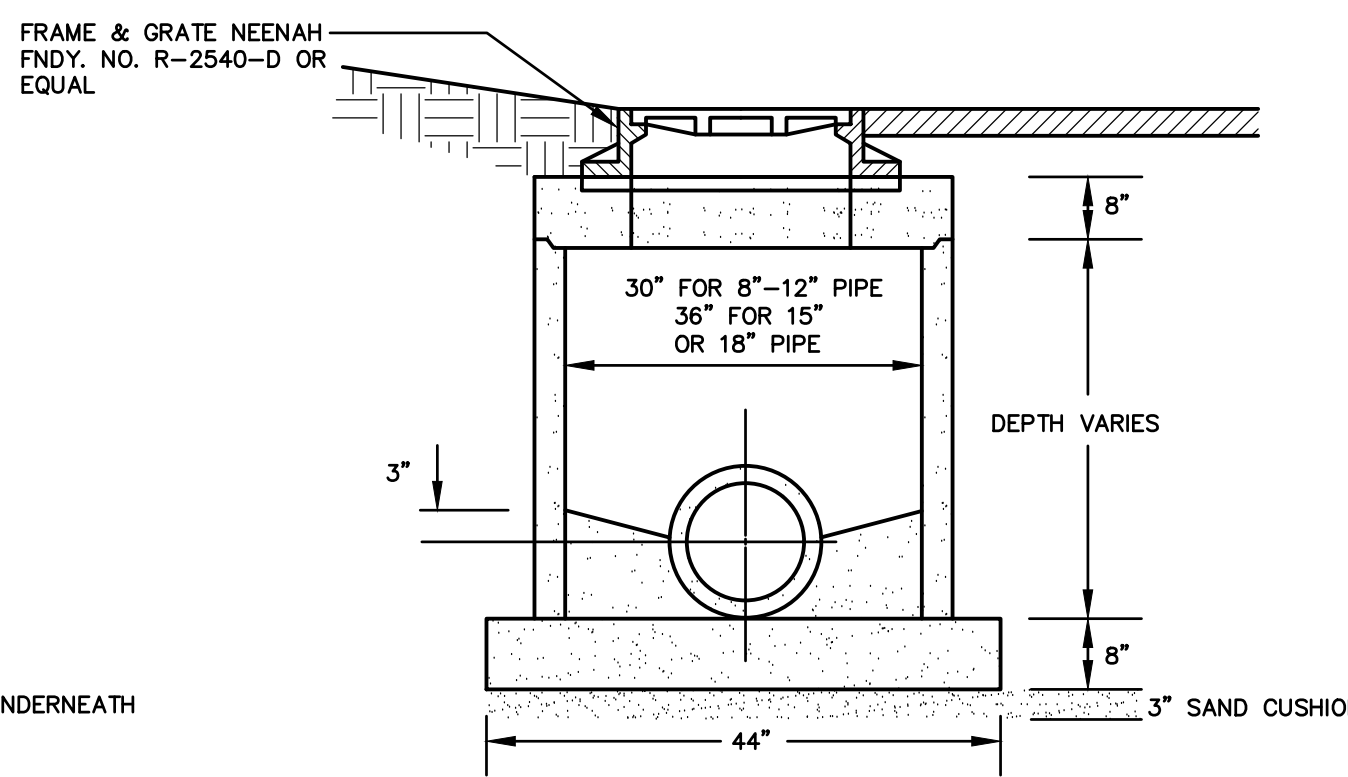
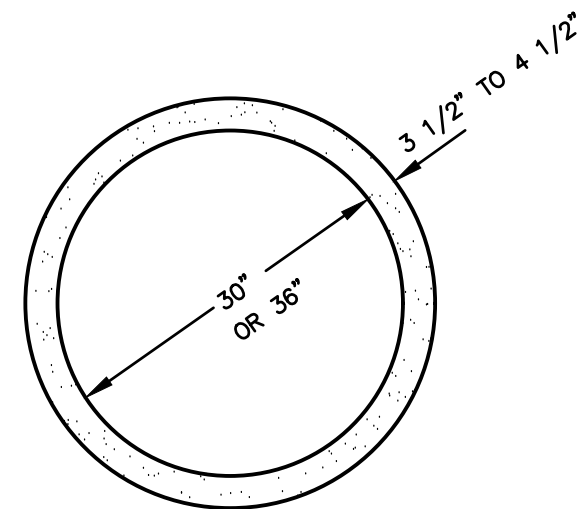
NOTES FOR MANHOLE: DISCHARGE STORM SEWER TO CONNECT TO STRUCTURE BELOW LID.



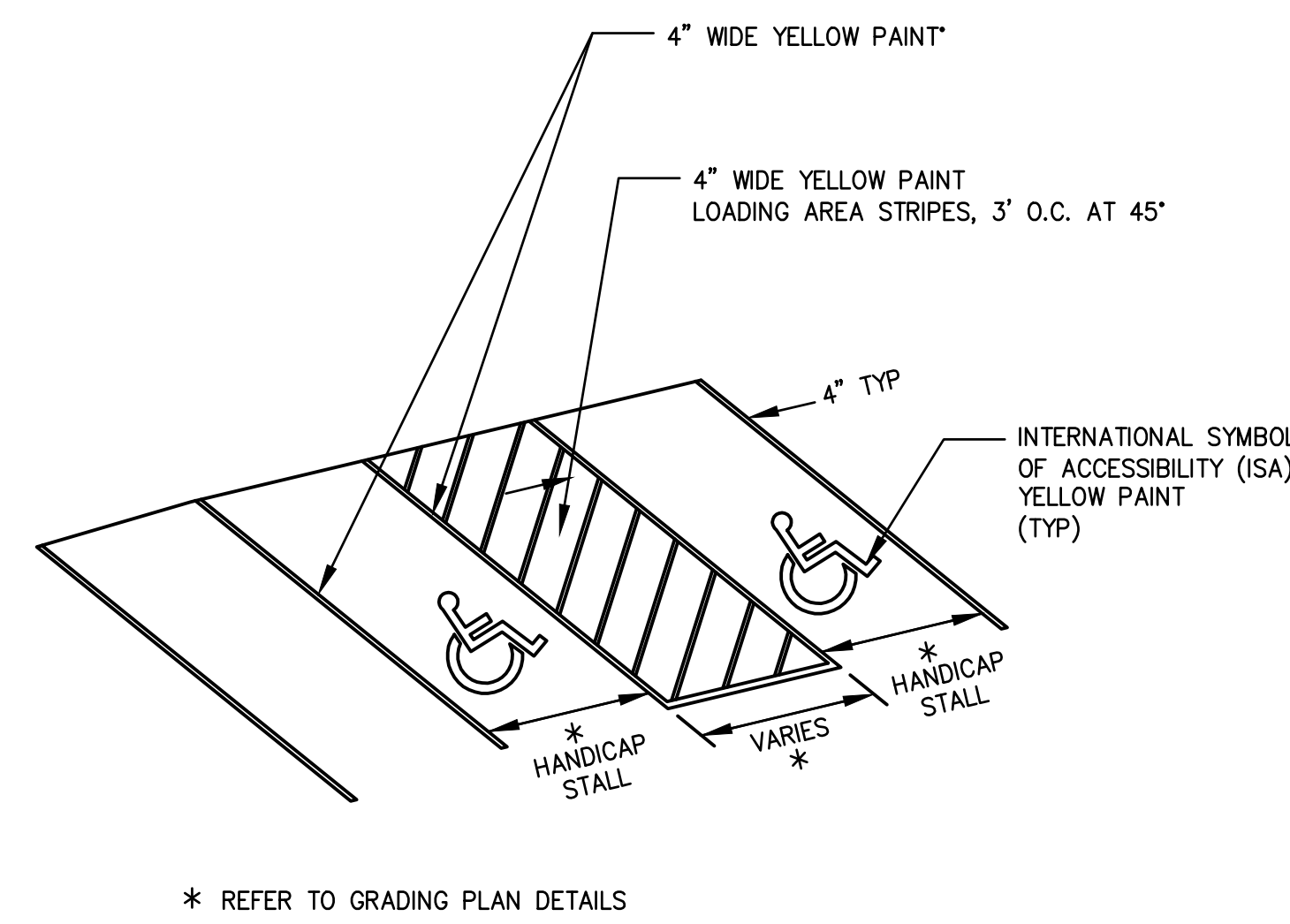
BOLLARD DETAIL



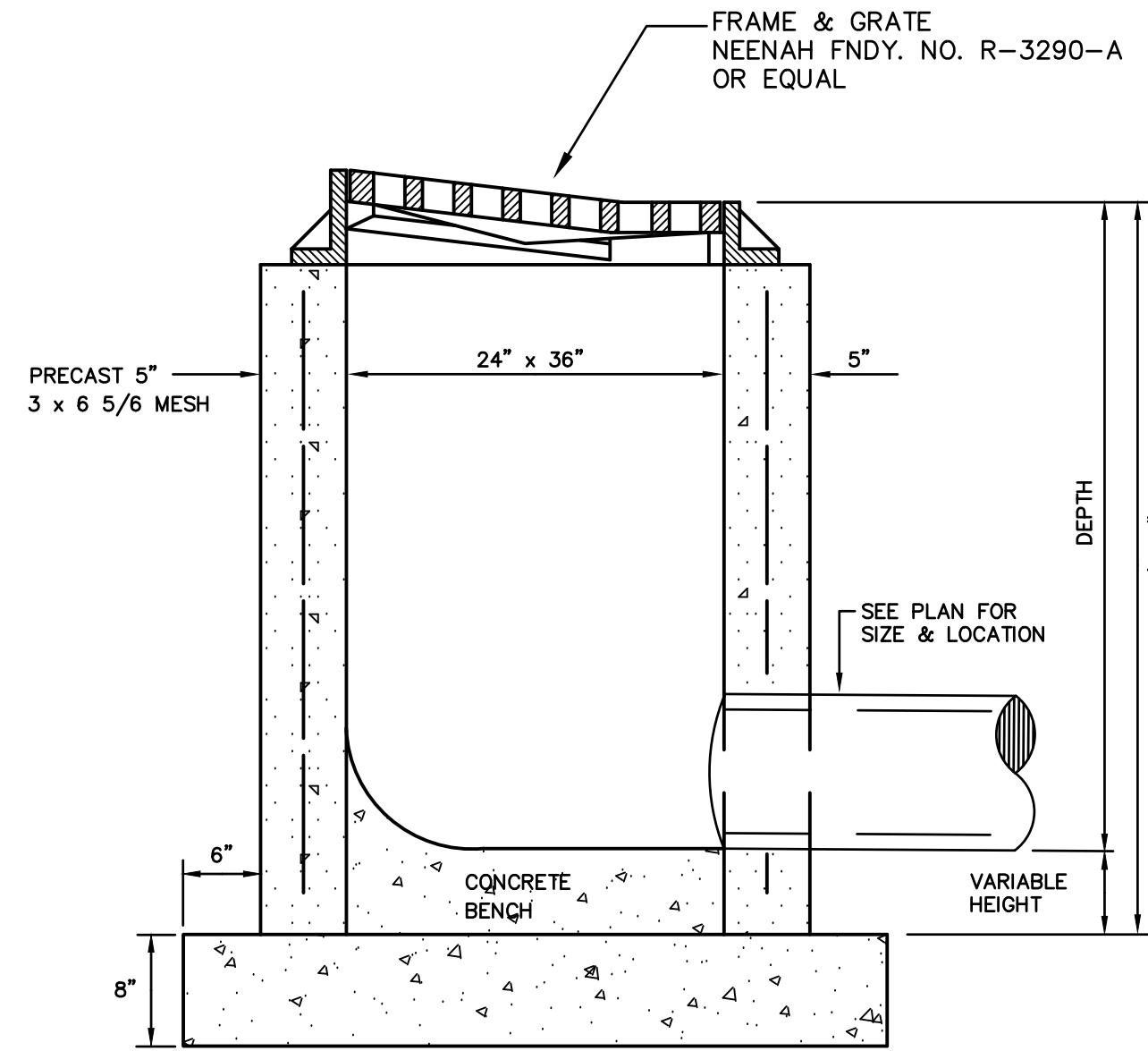
INLET M.H. DETAIL



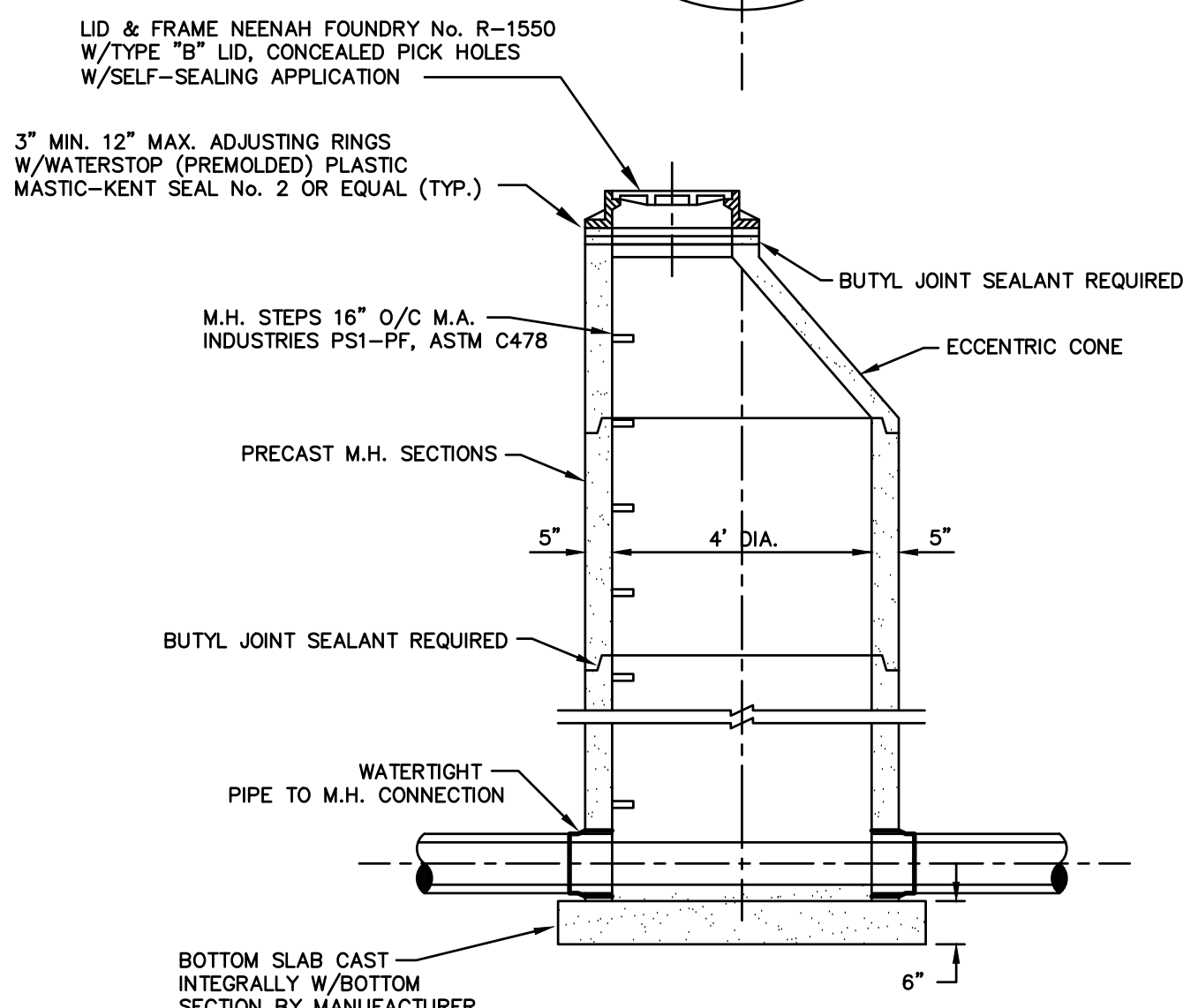
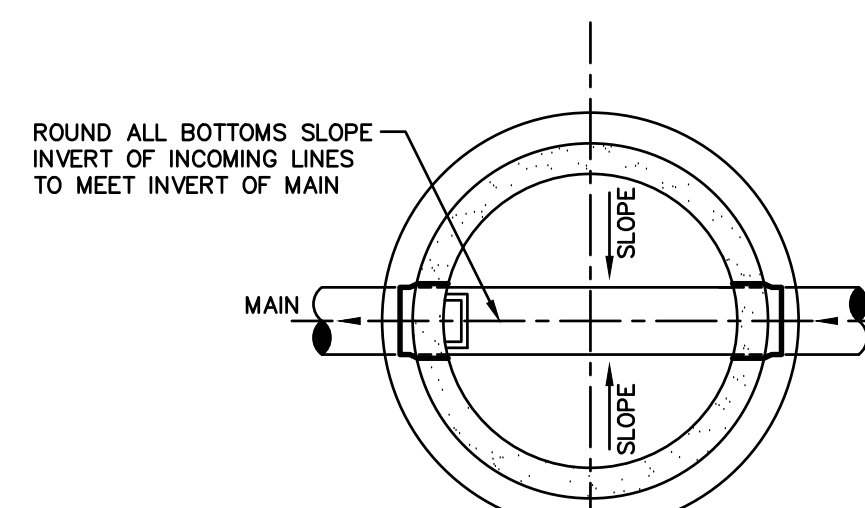
STORM SEWER PRECAST CATCH BASIN



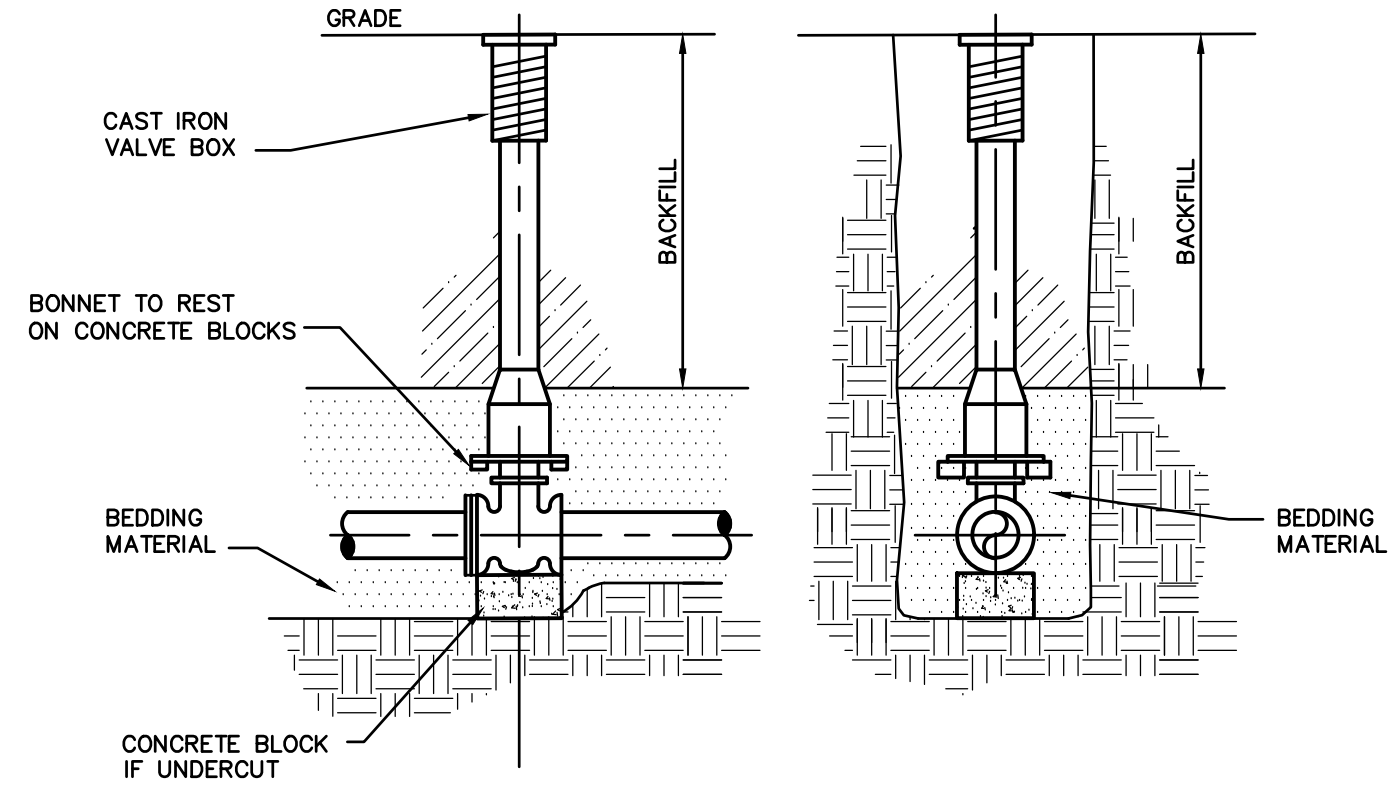
ADA PARKING LOT STRIPING



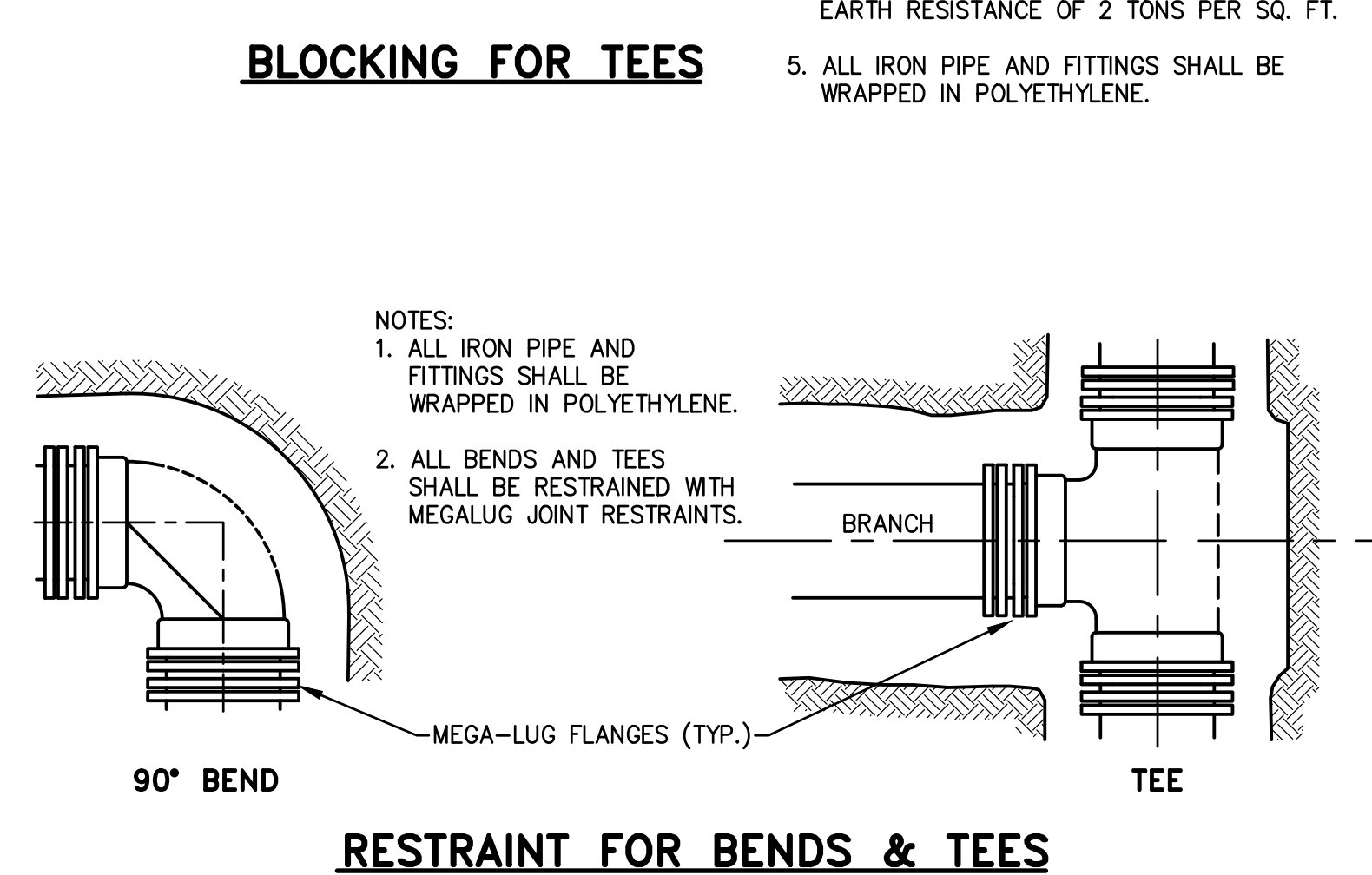
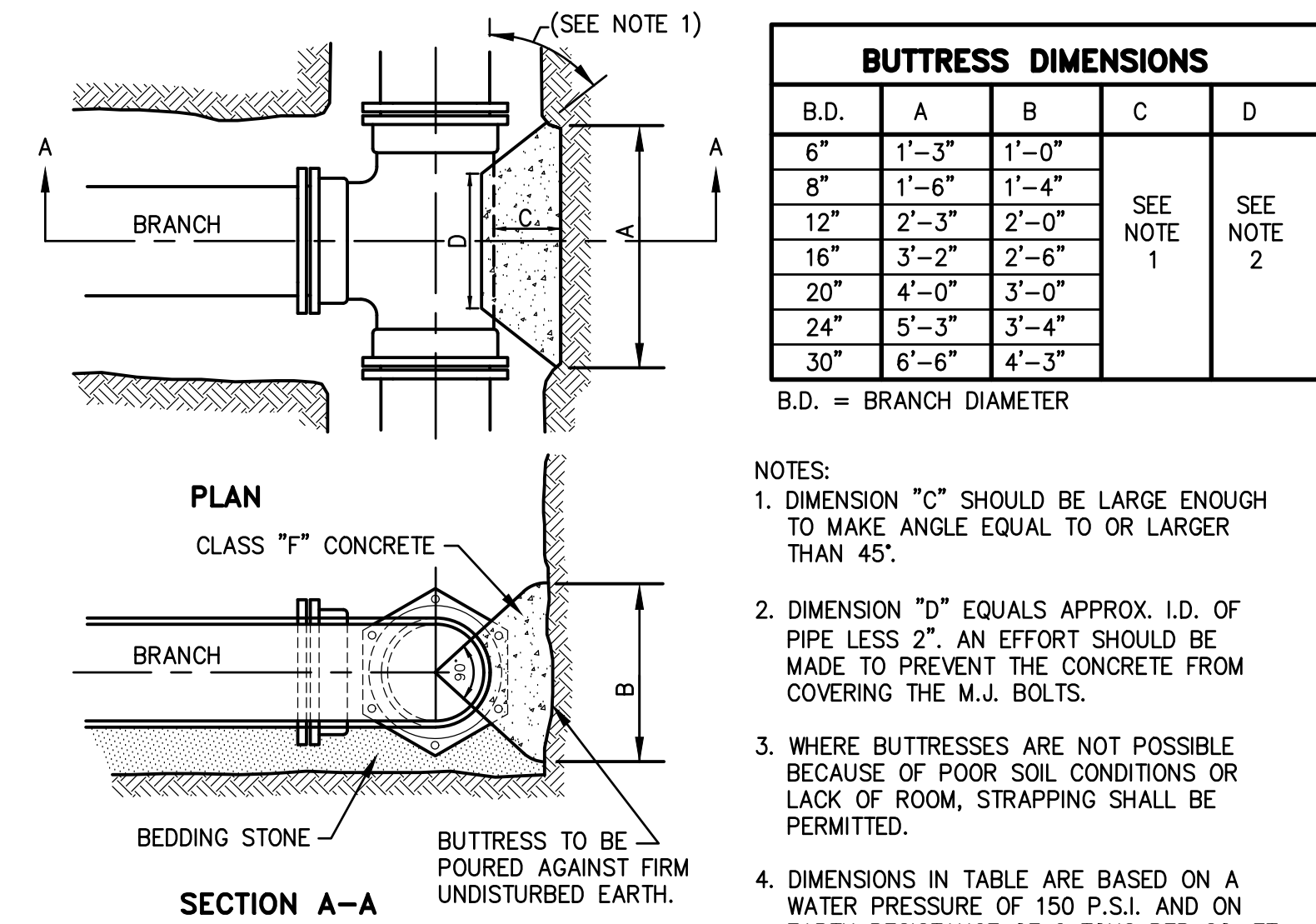
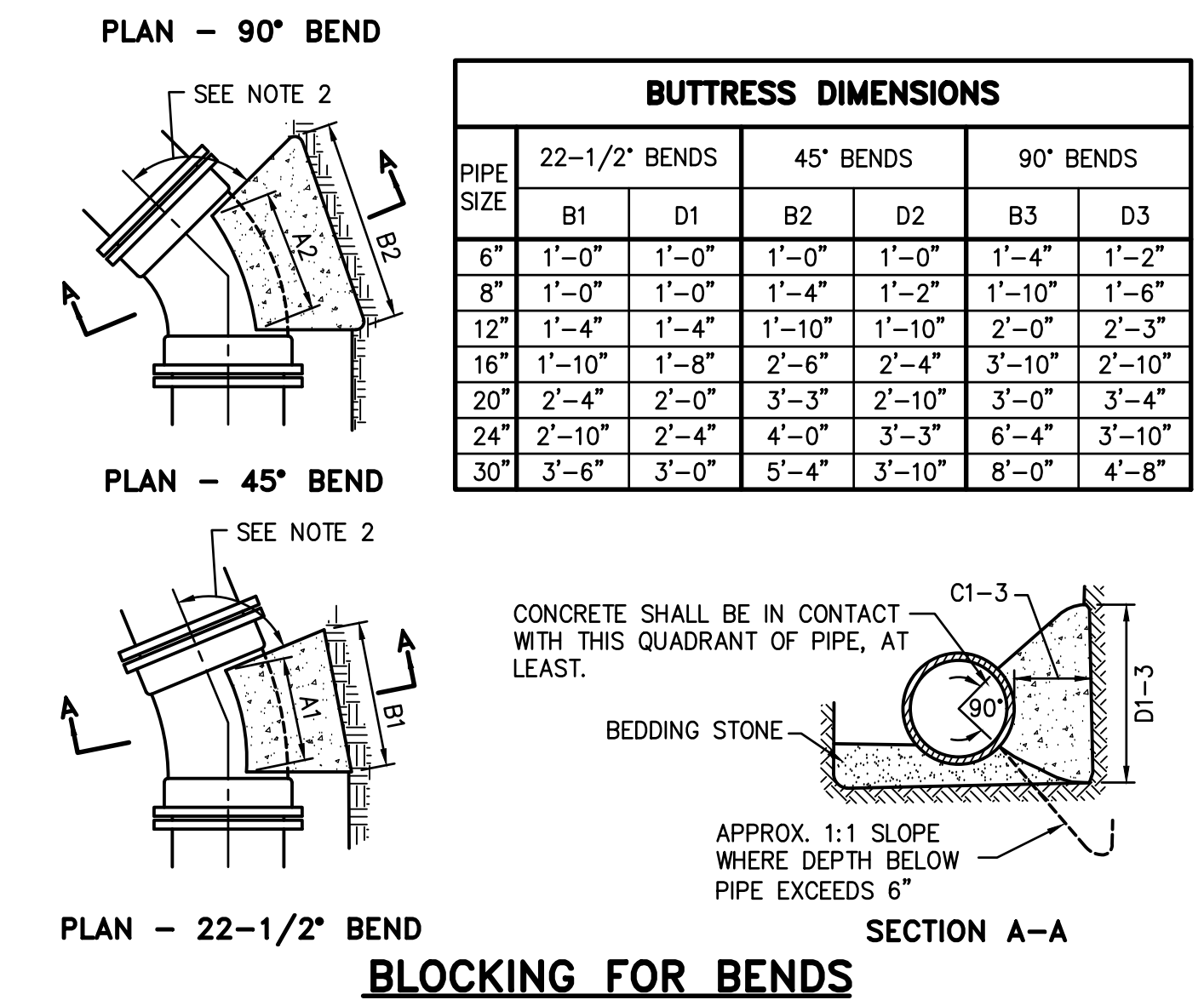
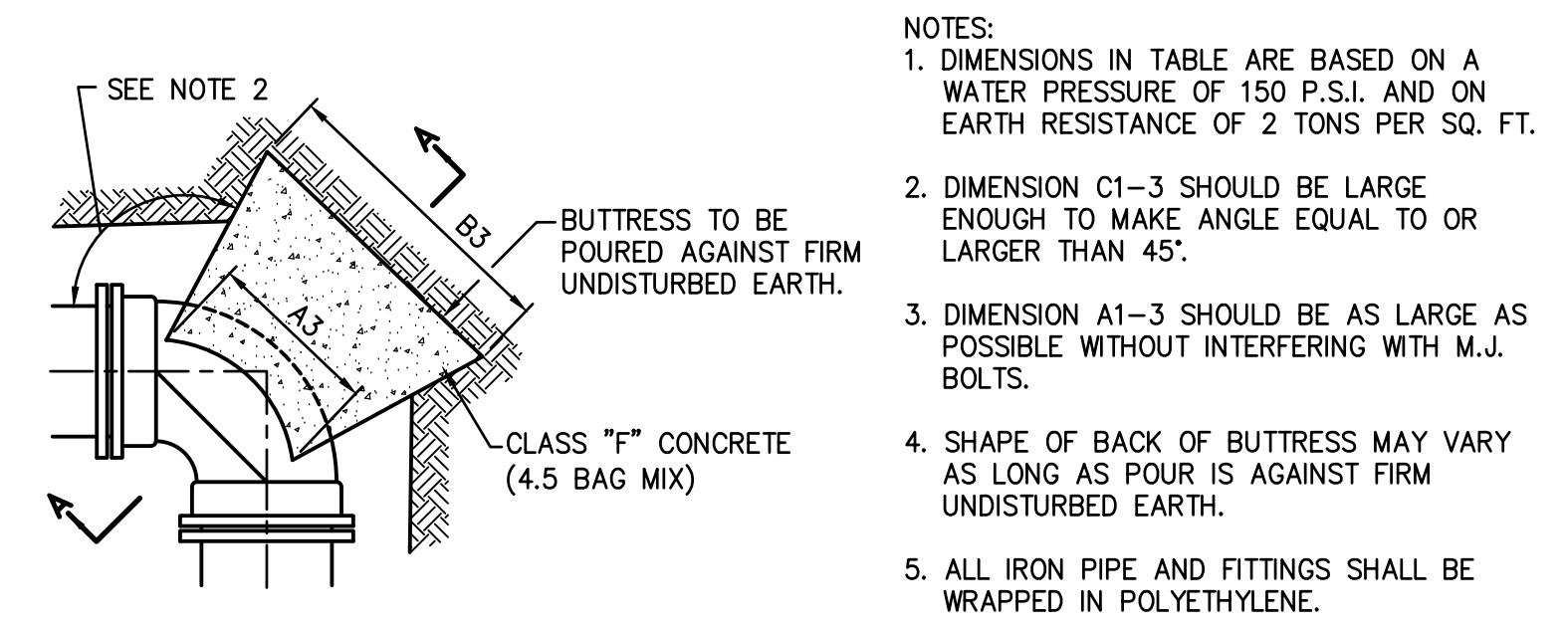
STORM SEWER INLET DETAIL



WATERPROOF PRECAST MANHOLE



STANDARD VALVE & VALVE BOX SETTING



RESTRAINT FOR BENDS & TEES



PROJECT INFORMATION

Belmark Plant 1 Expansion

600 Heritage Road De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

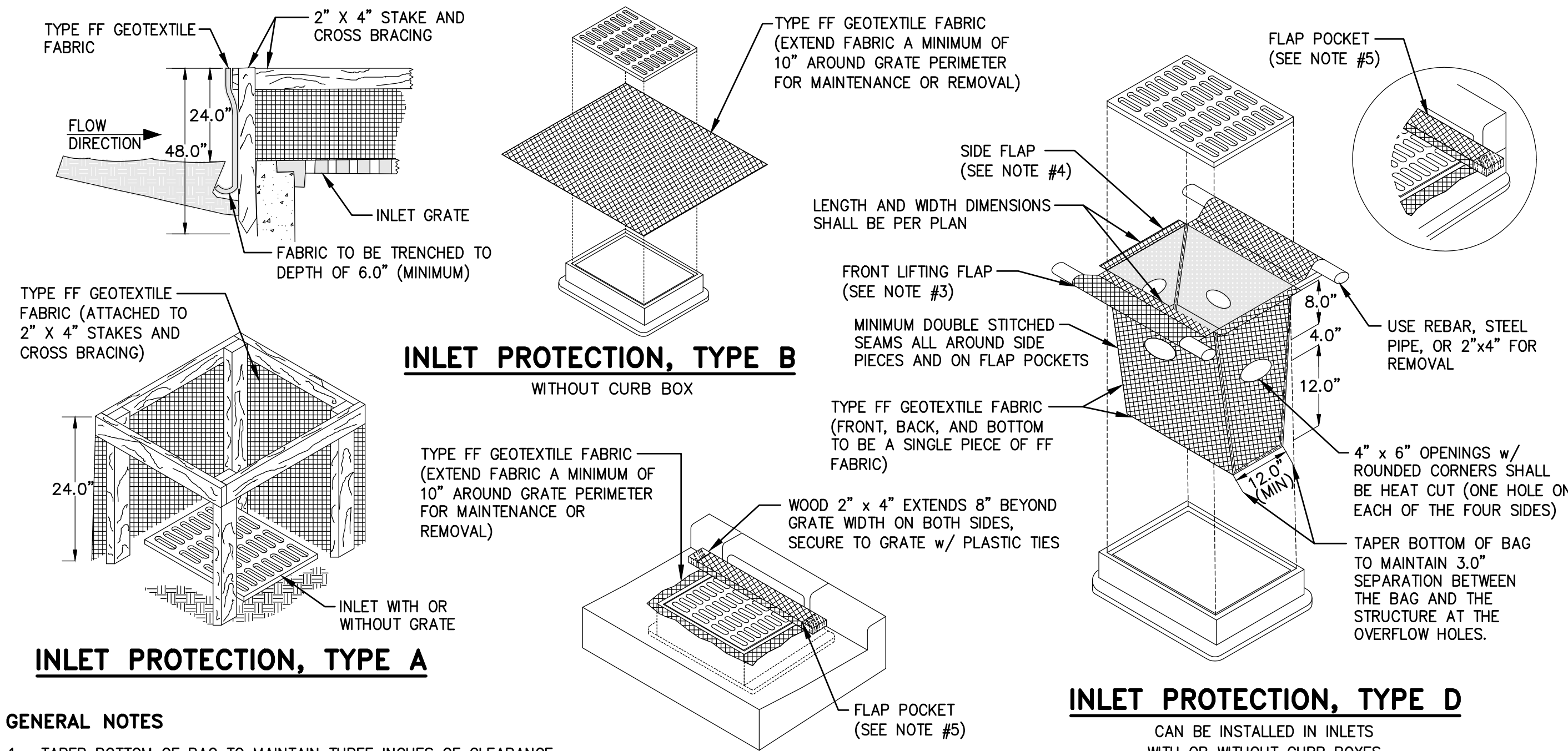
PROJECT MANAGER RJW
PROJECT NUMBER B0039-09-24-00174

MISCELLANEOUS DETAILS

C110

© 2023 Epstein Uhen Architects, Inc.

cadd: W:\PROJECTS\0039\092400174\CA00\civil3d\Plan Sheets\COVER NOTES DETAILS.dwg, c111 miscellaneous details, Plot Date: 4/2/2024 11:31 AM, user: (x=exist topo belmark plant 1, x=all points belmark plant 1, x=exist shade belmark plant 1, parcels_co-brown_2022_09, x=exist topo belmark, x=all points belmark, x=exist shade belmark)



GENERAL NOTES

1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAGS. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

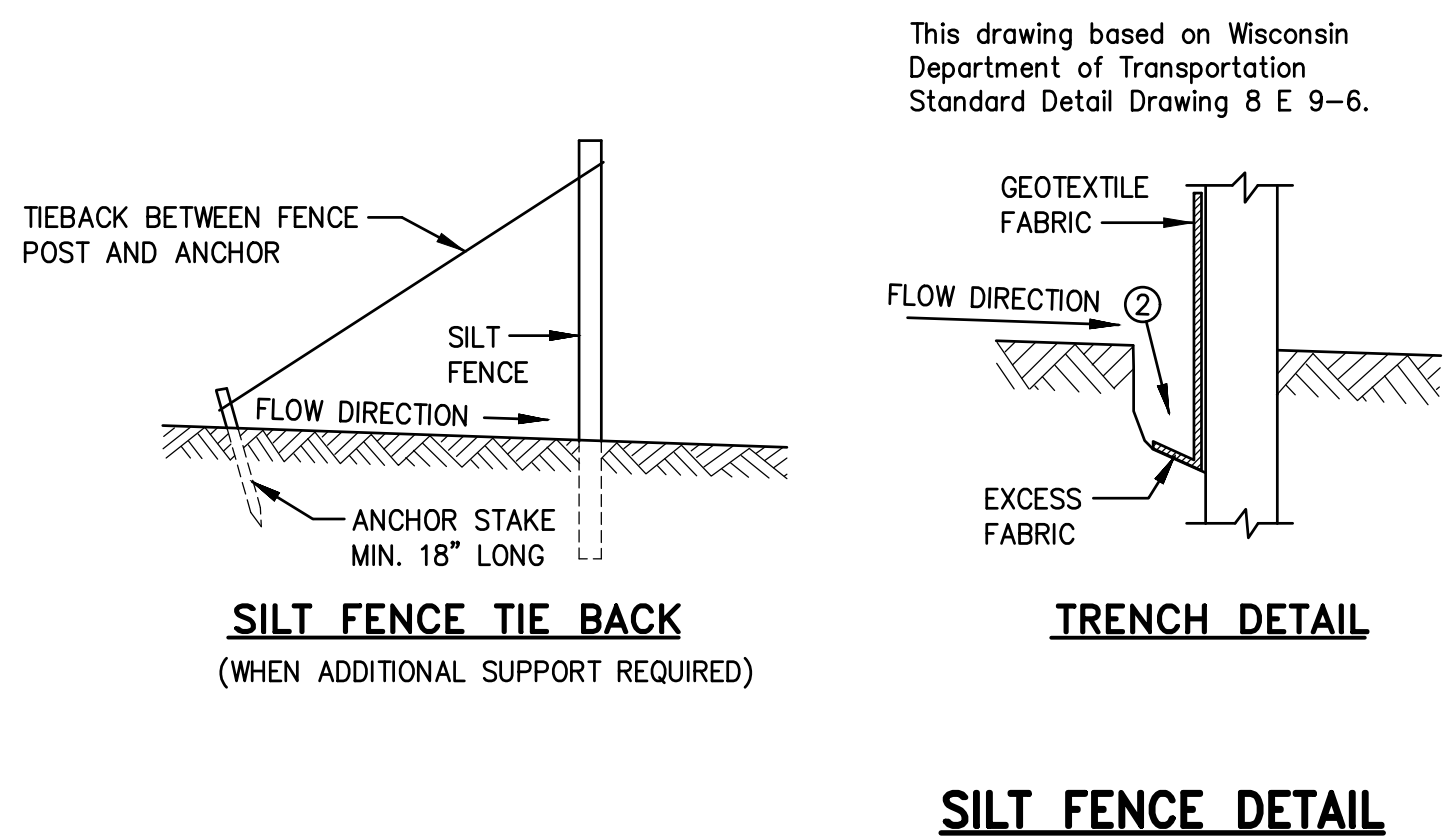
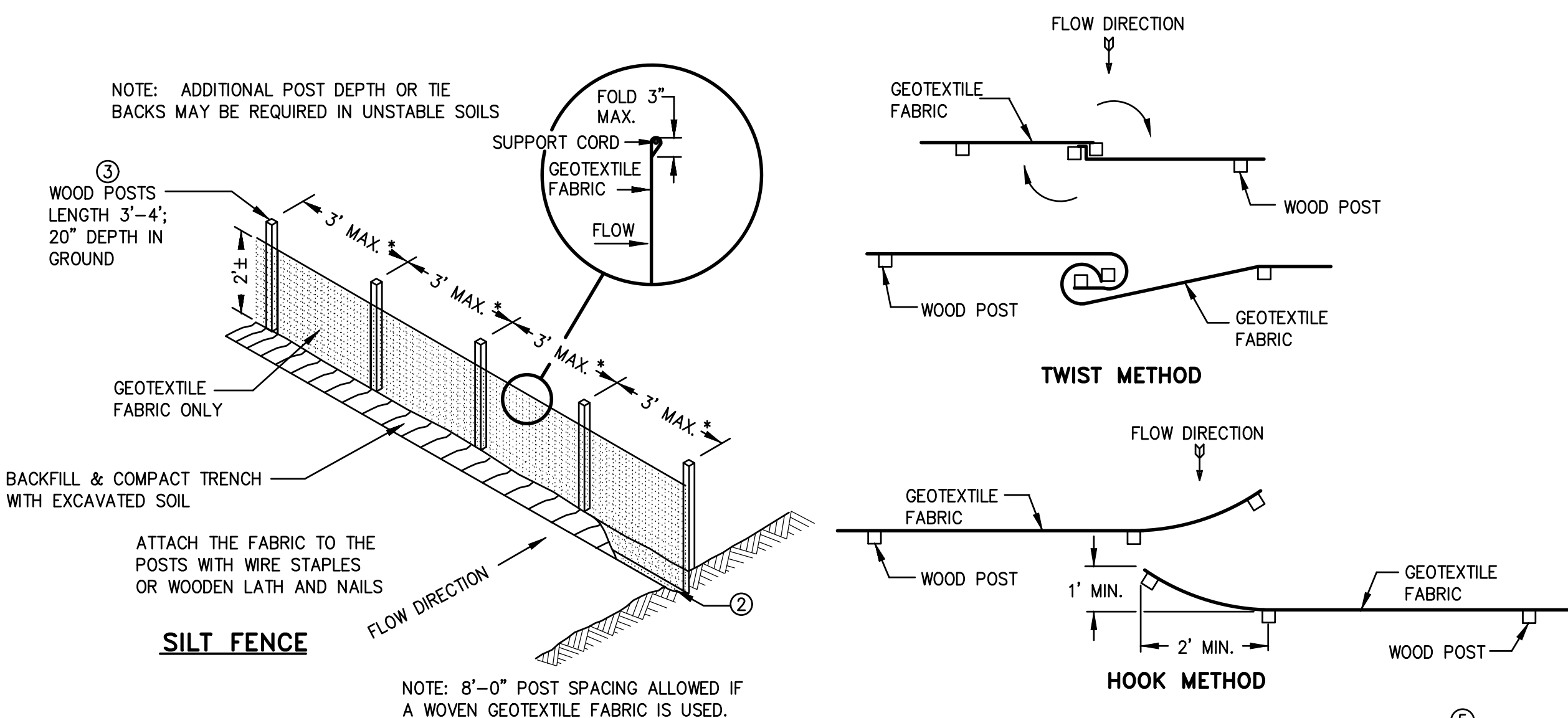
INLET PROTECTION, TYPE C

WITH CURB BOX

MAINTENANCE NOTES

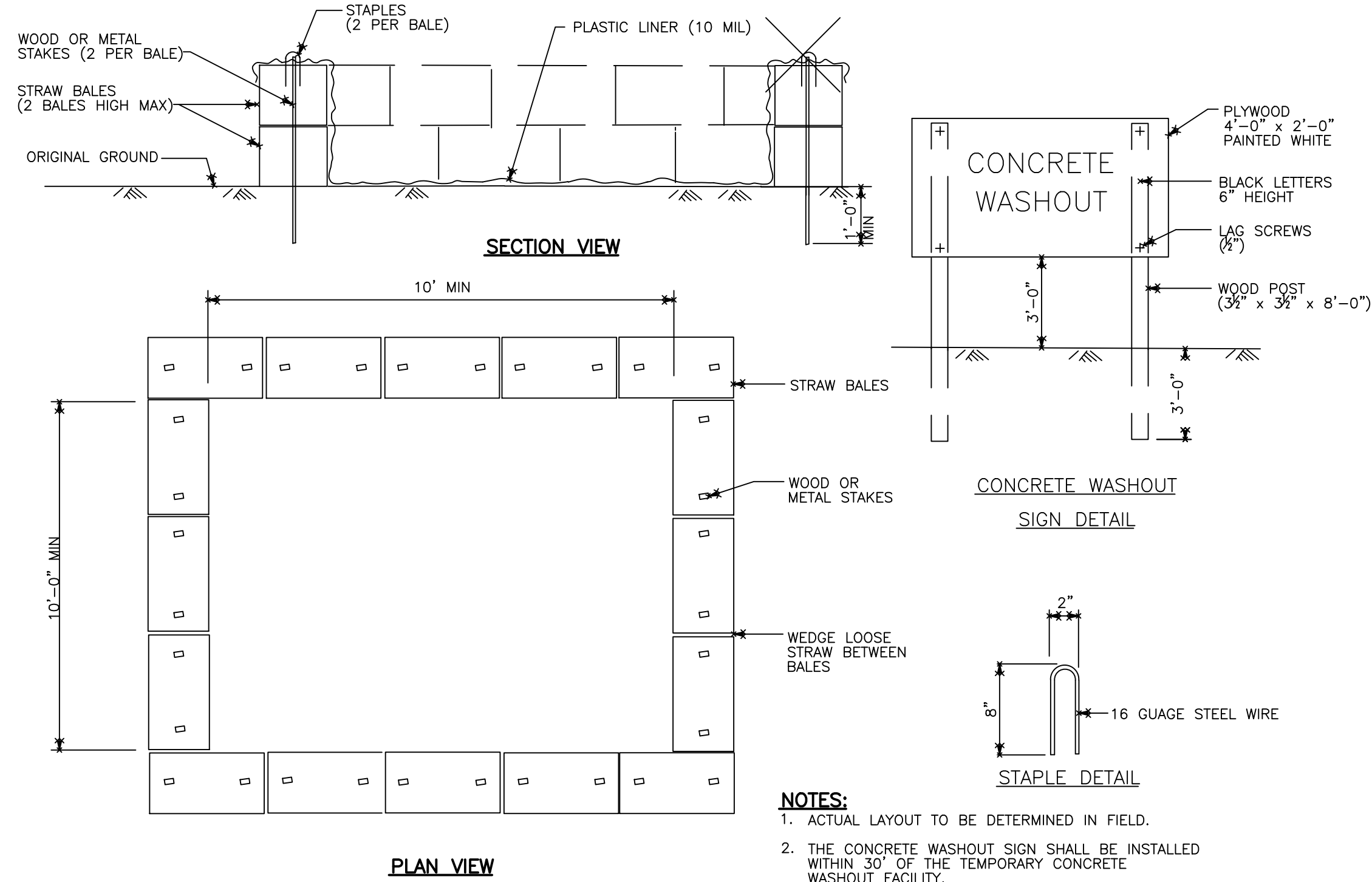
1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

STORM DRAIN INLET PROTECTION



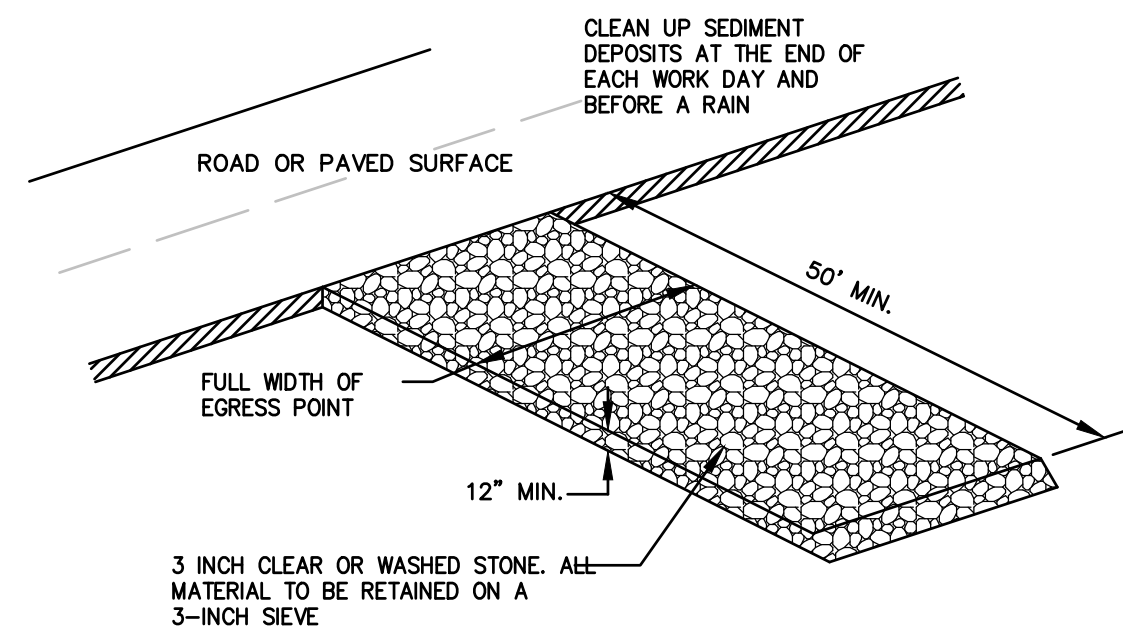
GENERAL NOTES

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



TEMPORARY CONCRETE WASHOUT FACILITY

NTS



TRACKOUT CONTROL DETAIL

1. DIVERT FLOW AWAY FROM TRACKING PAD USING CULVERTS, SHALLOW TRENCH OR DIVERSION DAM.
2. ROCKS LODGED BETWEEN THE TIRES OF DUAL VEHICLES SHALL BE REMOVED PRIOR TO LEAVING THE SITE.
3. ON SITES WITH A HIGH WATER TABLE OR SATURATED SOILS, INSTALL A DOT TYPE R GEOTEXTILE FABRIC UNDER STONE TRACKING PAD.
4. MAINTAIN UNTIL SITE IS PAVED/STABILIZED.
5. USING A FODS TRACKOUT SYSTEM INSTEAD OF THE STONE-BASED TRACKOUT CONTROL SYSTEM IS ACCEPTABLE.

Parcel #: ED-F0096 - 600 HERITAGE RD						
Land Use	Existing Conditions			Proposed Conditions		
	Area (sf)	CN	Composite CN	Area (sf)	CN	Composite CN
Roof:	73,504	98	7,203,392	95,699	98	9,378,502
Parking Lot	181,252	98	17,762,696	172,858	98	16,940,084
Sidewalk	3,505	98	343,490	3,449	98	338,002
Landscaping:	109,316	74	8,089,384	95,571	74	7,072,254
Total Area (sf):	367,577			367,577		
Total Impervious (sf):	258,261			272,006		
Composite CN:	90.86			91.76		
% Open Space	29.74%			26.00%		
% Impervious Coverage:	70.26%			74.00%		
Floor Ratio	20.00%			26.04%		

IMPERVIOUS SURFACE, OPEN SPACE & FLOOR RATIO CALCULATIONS



PROJECT INFORMATION

Belmark Plant 1
Expansion

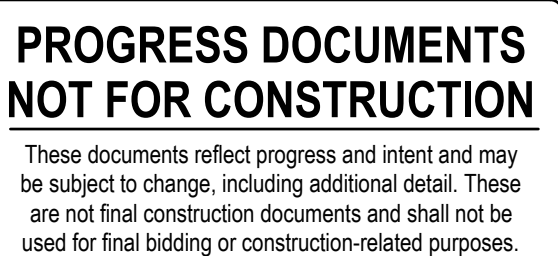
600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
4/2/24	SITE PLAN SUBMITTAL

KEY PLAN

SHEET INFORMATION



PROJECT MANAGER RJW

PROJECT NUMBER B0039-09-24-00174

MISCELLANEOUS
DETAILS

C111

© 2023 Epstein Uhen Architects, Inc.



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL

PROJECT NUMBER 923674

A

LIFE SAFETY DATA

G101.2

© 2024 Epstein Uhan Architects, Inc.

PROJECT DATA

OWNER BELMARK INC.			
LOCATION MUNICIPALITY: DE PERE COUNTY: BROWN STATE: WISCONSIN			
APPLICABLE BUILDING CODES 2015 IBC AS MODIFIED BY CHAPTERS SPS 381.366 MAY 1, 2016 NFPA 101 LIFE SAFETY CODE (2012)			
CONSTRUCTION CLASSIFICATION IIB		CHAPTER 6 SECTION 602	
OCCUPANCY GROUP F-1 (FACTORY AND INDUSTRIAL)		CHAPTER 3 SECTION 302	
SECONDARY USE(S) B (BUSINESS) H-3 (HIGH HAZARD) S-1 (STORAGE)		CHAPTER 5 SECTION 508.2	
PROJECT TYPE ADDITION			
BLDG HEIGHT		CHAPTER 5 SECTION 504.3	
		ALLOWABLE	PROVIDED
		75'-0"	24'-0"
NUMBER OF STORIES		CHAPTER 5 SECTION 504.4	
		ALLOWABLE	PROVIDED
		3	
BLDG GROSS AREA (SQ FT)		CHAPTER 5 SECTION 506.2	
		ALLOWABLE	AREA INCREASE PROVIDED
<INSERT ROWS FOR AN EXISTING BUILDING INFO>		62,000 SF	72,133 SF 68,167 SF
FIRE PROTECTION			
FIRE ALARM	COMPLETE	2015 IBC 907.2	
FIRE SUPPRESSION	COMPLETE	2015 IBC 903	
MONITORING TYPE	CENTRAL STATION	2015 IBC 907.2	
NFPA STANDARD USED	13	2018 IBC 903	
FIRE RESISTIVE RATINGS		REQUIRED	PROVIDED
OCCUPANCY SEPARATIONS	<> HOUR	<> HOUR	CHAPTER 5 SECTION 508.4
INCIDENTAL USES	<> HOUR	<> HOUR	CHAPTER 5 SECTION 509
PRIMARY STRUCTURAL FRAME	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
BEARING WALLS - EXTERIOR	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
BEARING WALLS - INTERIOR	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
NONBEARING WALLS & PARTITIONS - EXTERIOR	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
NONBEARING WALLS & PARTITIONS - INTERIOR	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
FLOORS & SECONDARY MEMBERS	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
ROOFS & SECONDARY MEMBERS	<> HOUR	<> HOUR	CHAPTER 6 SECTION 601
EXTERIOR WALLS	<> HOUR	<> HOUR	CHAPTER 6 SECTION 602
STAIR ENCLOSURES	<> HOUR	<> HOUR	CHAPTER 7 SECTION 713.4
ELEVATOR ENCLOSURES	<> HOUR	<> HOUR	CHAPTER 7 SECTION 713.4
SHAFT ENCLOSURES	<> HOUR	<> HOUR	CHAPTER 7 SECTION 713.4
NON-SPRINKLERED PRIMARY ELECTRICAL ROOM	<> HOUR	<> HOUR	CHAPTER 9 SECTION 903.3.1.1
ELEVATOR EQUIPMENT ROOMS	<> HOUR	<> HOUR	CHAPTER 30 SECTION 3005.4
FIRE PUMP ROOMS	<> HOUR	<> HOUR	CHAPTER 9 SECTION 913.2.1
EXIT PASSAGEWAY	<> HOUR	<> HOUR	CHAPTER 10 SECTION 1024
DESIGN OCCUPANT LOAD		CHAPTER 10 SECTION 1004.1.2	
<INSERT OCCUPANCY TYPE IF MORE THAN ONE> <INSERT ROWS FOR EACH FLOOR AND TOTAL>		<INSERT SQUARE FEET OF OCCUPANCY TYPE>	<INSERT OCCUPANT LOAD FACTOR PER CODE> <INSERT CALCULATED NUMBER OF OCCUPANTS>
MEANS OF EGRESS			
		CHAPTER 10 SECTION 1005.3.1 STAIRWAYS 1005.3.2 OTHER EGRESS COMPONENTS	
		ALLOWABLE OCCUPANTS	
		STAIR WIDTH (0.3") EXIT WIDTH (0.2")	
		REQUIRED PROVIDED REQUIRED PROVIDED	
FIRST FLOOR	<INSERT QUANTITY CALCULATED PER CODE>	<INSERT QUANTITY REQUIRED PER CODE>	<INSERT QUANTITY PROVIDED> <INSERT QUANTITY REQUIRED PER CODE> <INSERT QUANTITY PROVIDED>
SECOND FLOOR	<INSERT QUANTITY CALCULATED PER CODE>	<INSERT QUANTITY REQUIRED PER CODE>	<INSERT QUANTITY PROVIDED> <INSERT QUANTITY REQUIRED PER CODE> <INSERT QUANTITY PROVIDED>
EXIT TRAVEL DISTANCE		CHAPTER 10 SECTION 1017.2	
MAXIMUM		250'	
COMMON PATH OF TRAVEL		CHAPTER 10 SECTION 1006.2.1	
MAXIMUM		100'	
DEAD-END CORRIDOR		CHAPTER 10 SECTION 1020.4	
MAXIMUM		50'	
TOTAL NUMBER OF EXITS		CHAPTER 10 SECTION 1006.3.1	
		REQUIRED	PROVIDED
<INSERT QUANTITY REQUIRED PER CODE>		<INSERT QUANTITY PROVIDED>	
INTERIOR WALL AND FINISH MATERIALS			
		CHAPTER 8 TABLE 803.11	
EXIT STAIRWAYS, RAMPS & PASSAGEWAYS		GLASS C	
CORRIDORS & EXIT ACCESS ENCLOSURES		GLASS C	
ROOMS & ENCLOSED SPACES		GLASS C	

LIFE SAFETY GENERAL NOTES

- WHEN A WALL HAS MORE THAN ONE CLASSIFICATION, THE MOST RESTRICTIVE REQUIREMENTS FOR EACH CLASSIFICATION SHALL APPLY.
- FOR NEW CONSTRUCTION, PERIMETER SMOKE-SEALS MAY BE REQUIRED AT FIRE-RATED DOORS IN CERTAIN OCCUPANCIES.

LIFE SAFETY DRAWING NOTES APPLICABLE TO EXISTING CONDITIONS

EXISTING CONDITIONS INDICATED BY THESE LIFE SAFETY PLANS ARE BASED ON INFORMATION PROVIDED AND AN ANALYSIS OF APPLICABLE CODES. IF EXISTING FIELD CONDITIONS ARE DISCOVERED TO BE DIFFERENT FROM WHAT IS INDICATED ON THESE PLANS, CONTACT THE ARCHITECT.

WITHIN LIMITS OF NEW CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FOLLOWING AND PATCH DEFICIENCIES (IF ANY ARE DISCOVERED) OF EXISTING ASSEMBLIES.

- CONTINUITY OF SPRAYED ON FIRE PROTECTION
- CONTINUITY OF FIRE RATINGS AND SMOKE-TIGHTNESS REQUIREMENTS OF FLOOR ASSEMBLIES
- WALL FIRE RATINGS AND SMOKE-TIGHTNESS REQUIREMENTS AS INDICATED BY THESE LIFE SAFETY PLANS
- FIRE STOPPING OF THROUGH PENETRATIONS
- FIRE STOPPING OF PERIMETER JOINTS

IF PROJECT IS NEW CONSTRUCTION,
REMOVE ALL GENERAL NOTES
REFERENCING EXISTING CONDITIONS.
REMOVE THIS NOTE BEFORE PRINTING.

AREA & OCCUPANCY TABLE

LOCATION	OCCUPANCY CLASSIFICATION	AREA		OCCUPANTS	
		FUNCTION OF SPACE	AREA (SF)	LOAD FACTOR	OCCUPANT LOAD
EXISTING	(none)	ACCESSORY STORAGE / MECH EQUIPMENT	1,066	300	3.6
EXISTING	BUSINESS (B)	BUSINESS AREAS	2,936	100	29.4
EXISTING	FACTORY (F-1)	INDUSTRIAL	21,351	100	213.5
LL			25,353		246.4
EXISTING	(none)	ACCESSORY STORAGE / MECH EQUIPMENT	2,644	300	8.8
EXISTING	BUSINESS (B)	BUSINESS AREAS	1,013	100	10.1
EXISTING	FACTORY (F-1)	INDUSTRIAL	42,051	100	420.5
EXISTING	HAZARDOUS (H-3)	ACCESSORY STORAGE / MECH EQUIPMENT	866	300	2.9
NEW ADDITION	STORAGE (S-1)	WAREHOUSES	21,631	500	43.3
1ST FLR			68,205		485.6
EXISTING	BUSINESS (B)	BUSINESS AREAS	2,295	100	23.0
EXISTING	STORAGE (S-1)	ACCESSORY STORAGE / MECH EQUIPMENT	7,233	300	24.1
MEZZANINE			9,538		47.1
GRAND TOTAL			103,086		779.1

PERIMETER/FRONTS DATA					
MARK	FRONT >20	LENGTH(Ln)	WIDTH(Wn)	Ln x Wn	FRONTS OPEN(F)
L1	No	103'-10"	0"	0 SF	0"
L2	No	88'-10"	0"	0 SF	0"
L3	No	128'-10"	0"	0 SF	0"
L4	Yes	14'-0"	30'-0"	443 SF	14'-0"
L5	Yes	9'-0"	30'-0"	270 SF	9'-0"
L6	Yes	81'-8"	30'-0"	2,450 SF	81'-8"
L7	Yes	12'-1"	30'-0"	363 SF	12'-1"
L8	Yes	145'-4"	30'-0"	4,360 SF	145'-4"
L9	Yes	127'-3"	30'-0"	3,819 SF	127'-3"
L10	Yes	61'-4"	30'-0"	1,840 SF	61'-4"
L11	Yes	150'-11"	30'-0"	4,528 SF	150'-11"
L12	Yes	269'-4"	30'-0"	8,080 SF	269'-4"
L13	Yes	24'-8"	30'-0"	740 SF	24'-8"
		1,217'-10"		26,890 SF	896'-4"

BUILDING HEIGHT, STORIES & AREA MODIFICATIONS: FACTORY (F-1)	
ALLOWABLE BUILDING HEIGHT PER TABLE 504.3: 75'	
ALLOWABLE NUMBER OF STORIES PER TABLE 504.4: 3	
ALLOWABLE AREA FACTOR (A _f) PER TABLE 506.2: 62,000	
ALLOWABLE AREA FACTOR (N _S) PER TABLE 506.2: 15,500	
(EQUATION 5-3)	
A _B = [A _f + (N _S x F)]	
12,193 = [62,000 + (15,500 x 0.65)]	
A _B = ALLOWABLE AREA PER STORY (SQUARE FEET)	
A _f = TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)	
N _S = TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET) FOR NONSPRINKLERED BUILDING	
(EQUATION 5-4)	
F = (L1 x F1 + L2 x F2 + L3 x F3) / F	
22.06 = (26940) / 1211.533	
F = WIDTH (WEIGHTED AVERAGE) OF PUBLIC WAY OR OPEN SPACE (FEET)	
F = BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE	
L _n = LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL	
F _n = WIDTH (x 20') OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL	
(EQUATION 5-5)	
IF = [(F / F) - 0.25] (N / 50)	
0.65 = [(22.06 / 0.25) - 0.25] (22.06 / 50)	
IF = AREA INCREASE FACTOR DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3	
F = BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET OPEN MINIMUM WIDTH (FEET)	
P = PERIMETER OF ENTIRE BUILDING (FEET)	
N = WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2	
IBC SECTION 506 HEIGHTS & AREAS SUMMARY	
ITEM	ALLOWABLE ACTUAL RATIO
AREA PER STORY (S. F.)/(A _B)	72,193 68,167 n/a
HEIGHT LIMITATION (FEET)	75 27 -
STORY LIMITATION	3 2 -



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

d 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL
PROJECT NUMBER 923674

LIFE SAFETY PLANS

G102.2

© 2024 Epstein Uhen Architects, Inc.

OCCUPANCY KEY

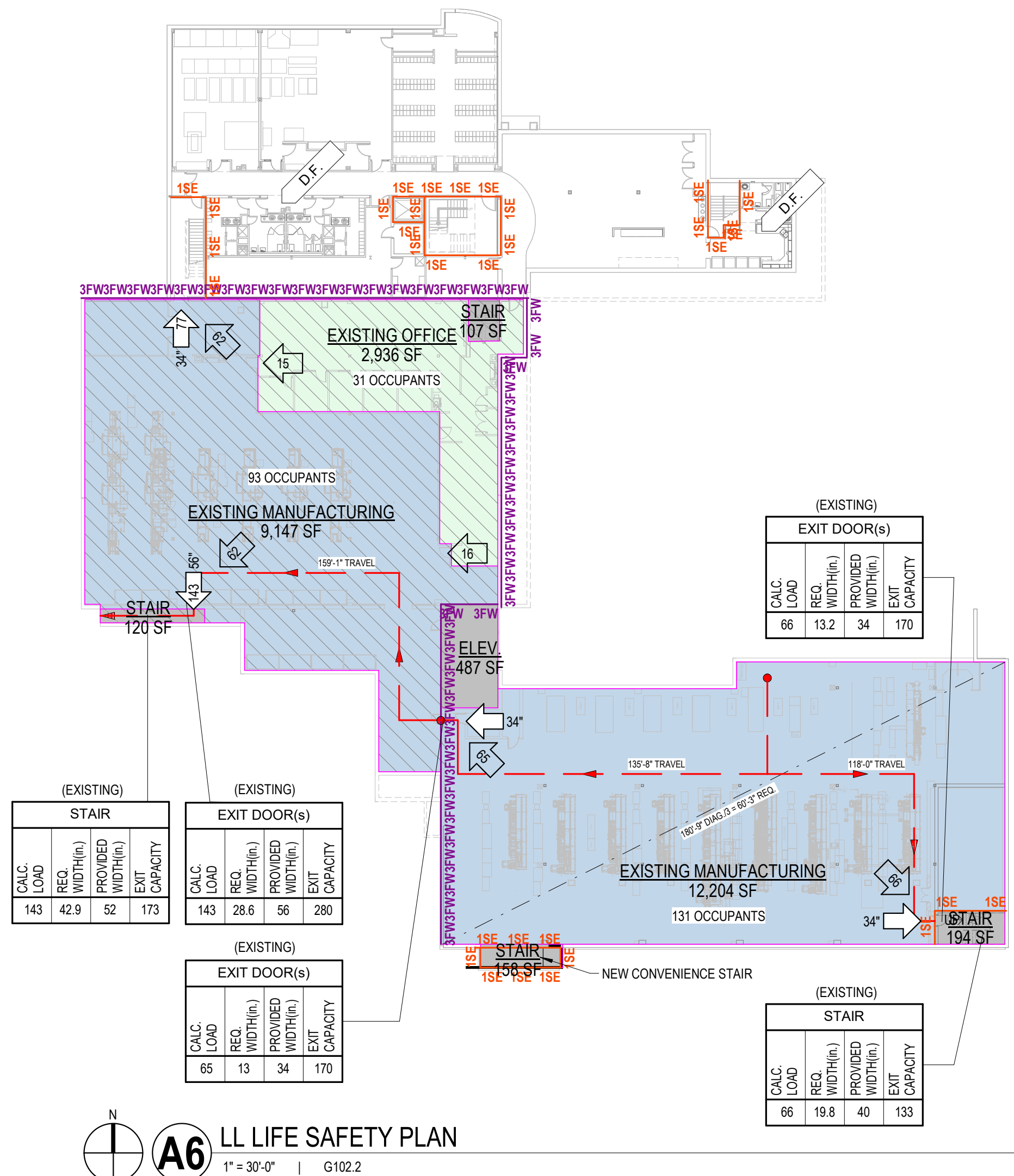
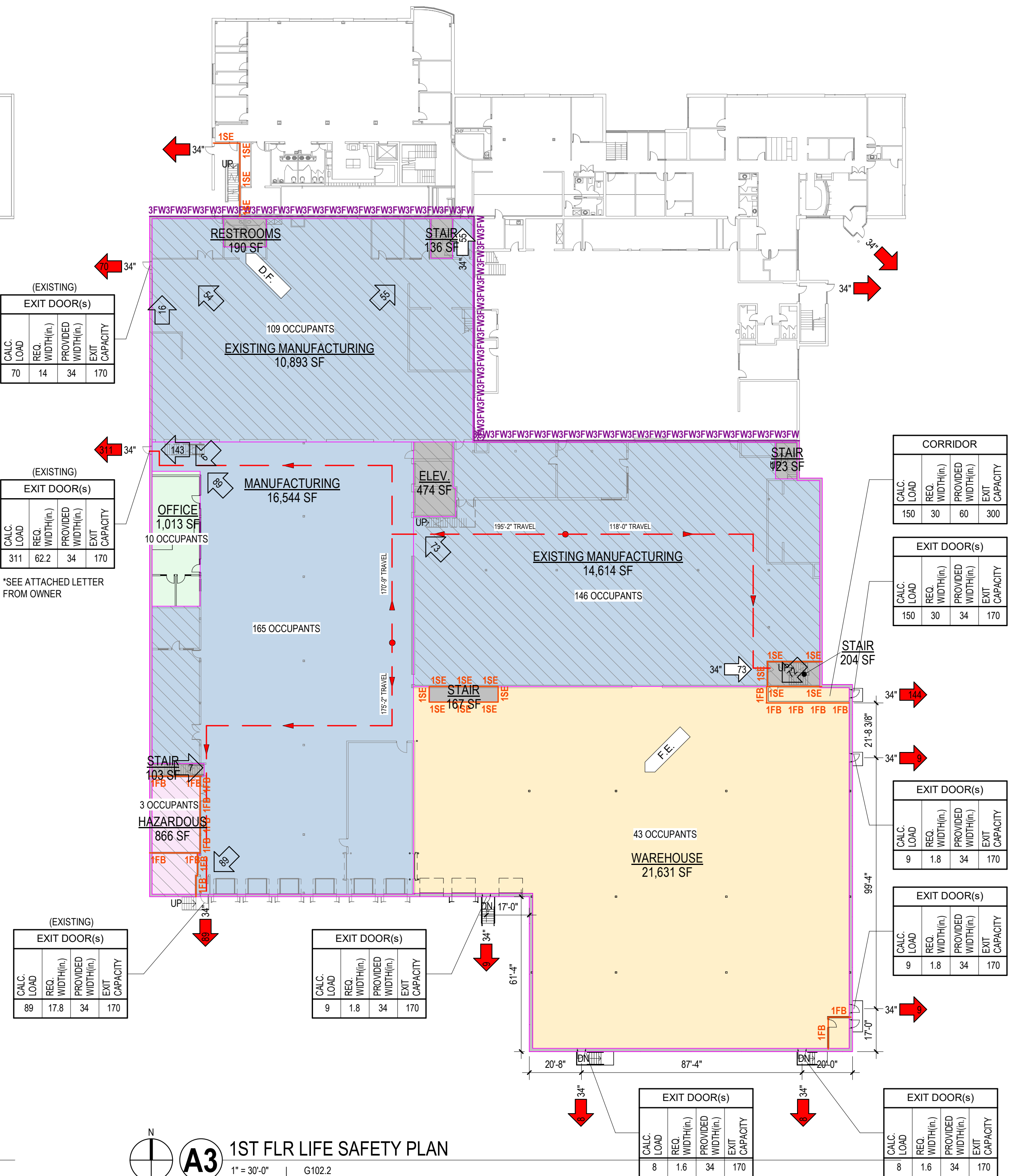
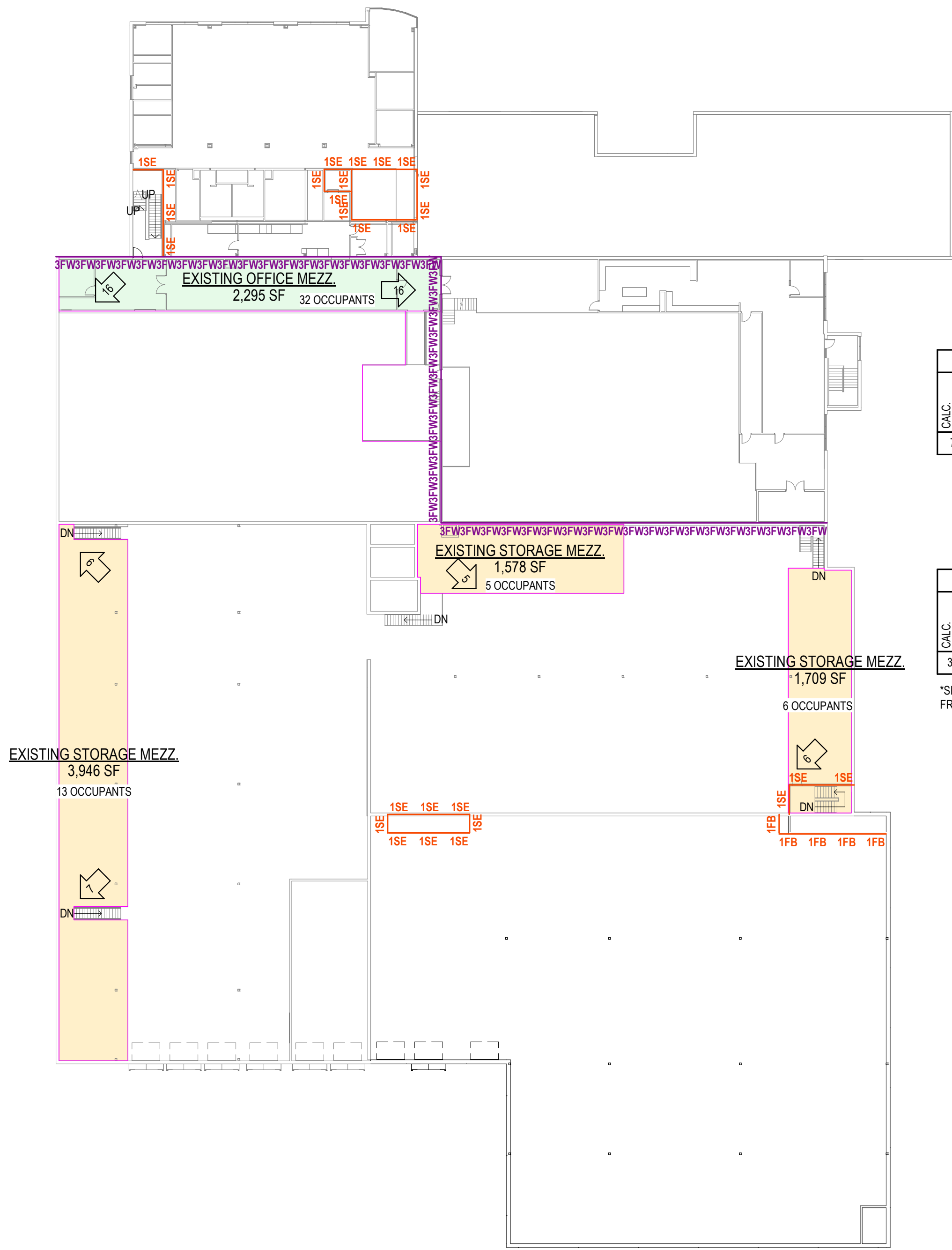
- BUSINESS (B)
- STORAGE (S-1)

OCCUPANCY KEY

- (none)
- BUSINESS (B)
- FACTORY (F-1)
- HAZARDOUS (H-3)
- STORAGE (S-1)

OCCUPANCY KEY

- (none)
- BUSINESS (B)
- FACTORY (F-1)



ABBREVIATIONS:

& +	AND
@	AT
°	DEGREE
ø	DIAMETER
#	NUMBER, POUND
AB	ANCHOR BOLT
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURAL EXPOSED
AST	STRUCTURAL STEEL
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
AR	ANCHOR RODS
ARCH	ARCHITECTURAL; ARCHITECT
ASSY	ASSEMBLY
AWS	AMERICAN WELDING SOCIETY
BAL	BALANCE
BLDG	BUILDING
BLK	BLOCK, BLOCKING
BM	BEAM
BMU	BUILDING MAINTENANCE UNIT
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BRKT	BRACKET
BSMT	BASEMENT
BTVN	BETWEEN
BU	BUILT-UP
C	CAMBER
C	STANDARD CHANNEL
CANTIL	NEAR FACE
CC	CENTER TO CENTER
CCP	CAST-IN-PLACE
CJ	CONCRETE JOINT
CJP	COMPLETE JOINT PENETRATION
CL	WELD
CL	CENTERLINE
CLR	CLEARANCE; CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONFIG	CONFIGURATION
CONN	CONNECTION; CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE; CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE; COORDINATION
CP, CJP	COMPLETE JOINT PENETRATION
CTR	CENTER
CTSK	COUNTERSINK; COUNTERSUNK
CUB	CUBIC
db	NOMINAL BAR DIAMETER (INCHES)
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DBS	DOWEL BAR SPICE
DEG.	DEGREE
DEMOL	DEMOLISH; DEMOLITION
DET	DETAIL
DIA, ø	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DICA	DRILLED-IN CONCRETE ANCHOR
DIM	DIMENSION
DISC	DISCONTINUED; DISCONTINUOUS
DL	DEAD LOAD
DN	DOWN
DTTO	DITTO
DWG	DRAWING
DWL	DOWEL
(E)	EXISTING
E	EAST
E-W	EAST-WEST
EACH	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDDED
EQ	EQUAL; EARTHQUAKE
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FAR FACE
FIN	FINISH
FL	FLOOR, FLOOR LINE
FLG	FACE OF STUD
FOS	FACE OF STUD
FP	FIREPROOF; FULL PENETRATION
FRMG	FRAMING
FS	FULL SIZE; FAR SIDE
FT	FOOT; FEET
FTG	FOOTING
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GRND	GROUND
H	HORIZONTAL
HEF	HORIZONTAL EACH FACE
HGR	HANGER
HHS	HORIZONTAL INSIDE FACE
HK	HOOK
HOF	HORIZONTAL OUTSIDE FACE
HORIZ	HORIZONTAL
HP	HP SHAPES; HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
K	KIP (1,000 POUNDS)
KSI	KIPS PER SQUARE INCH

02-FOUNDATION CONSTRUCTION

- FOUNDATION DESIGN CRITERIA
 - GEOTECHNICAL REPORT: FOUNDATION DESIGN CRITERIA WAS TAKEN FROM RECOMMENDATIONS SET FORTH IN GEOTECHNICAL REPORT NO. 0994220 BY PROFESSIONAL SERVICE INDUSTRIES, INC., DATED FEBRUARY 21, 2024. ALLOWABLE SOIL BEARING PRESSURES USED FOR DESIGN:
 - NET ALLOWABLE SOIL BEARING PRESSURE: 2,500 PSF
 - COEFFICIENT OF FRICTION RESISTING SLIDING EQUALS 0.30.
 - MINIMUM FROST DEPTH IS 40". BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF FROST DEPTH BELOW GRADE.
 - LATERAL EARTH PRESSURE FOR ON-SITE SOIL MATERIAL DOES NOT INCLUDE HYDROSTATIC OR SURCHARGE LOADS).
 - AT-REST CONDITION: 40 PCF
 - ACTIVE CONDITION: 60 PCF
 - MODULUS OF SUBGRADE REACTION: 200 PCl (1 FT x 1 FT)
 - FOOTINGS:
 - SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL GOOD FOR A SAFE BEARING PRESSURE EQUAL TO OR GREATER THAN THE ALLOWABLE SOIL BEARING PRESSURE GIVEN IN PARAGRAPH B ABOVE.
 - AREAS OF LOOSE OR SOFT SOIL MATERIAL ENCOUNTERED AT THE BOTTOM OF FOOTING EXCAVATION SHALL BE REMOVED AND THE FOOTING EXTENDED TO MATERIAL WITH ADEQUATE BEARING CAPACITY OR, THE REMOVED MATERIAL SHALL BE REPLACED WITH COMPACTED NON-EXPANSIVE STRUCTURAL FILL. REFER TO GEOTECHNICAL REPORT FOR DESCRIPTION OF ACCEPTABLE STRUCTURAL FILL MATERIAL.
 - MINIMUM ISOLATED FOOTING DIMENSION IS 24" MINIMUM CONTINUOUS FOOTING WIDTH IS 18". MINIMUM FOOTING THICKNESS (ISOLATED OR CONTINUOUS) IS 12" UNLESS NOTED OTHERWISE.
 - EARTH CUTS SHALL NOT BE USED AS FORMWORK FOR FOOTINGS.
 - BUILDING PAD PREPARATION:
 - ALL EARTHWORK AND SITE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT. ALL EXCAVATION AND BACKFILL OPERATIONS SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
 - OVEREXCAVATION OF THE BUILDING SITE BELOW THE BOTTOM OF FOOTINGS MAY BE REQUIRED. BACKFILL WITH RECONDITIONED, ON-SITE SOIL MATERIAL, IMPORTED, STRUCTURAL FILL MATERIAL AND COMPACT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. FILL MATERIAL MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
 - UNSATURABLE SOILS ENCOUNTERED AT THE BOTTOM OF THE SPECIFIED EXCAVATION SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL COMPACTED PER PARAGRAPH ABOVE.
 - ROUGH GRADE TOP OF SUBGRADE TO 4" - 1.5" TOLERANCE FROM SPECIFIED ELEVATION.
 - SLAB-ON-GRADE AND FOUNDATION CONSTRUCTION REQUIREMENTS:
 - PROVIDE A GRANULAR SUB-BASE MATERIAL BELOW SLABS-ON-GRADE IN ACCORDANCE WITH THE PLANS AND PROJECT SPECIFICATIONS. FINE GRADE TOP OF SUB-GRADE TO 4" - 3/4" FROM SPECIFIED ELEVATION.
 - VAPOR BARRIER. PROVIDE A VAPOR BARRIER ON TOP OF SUB-BASE AND DIRECTLY BELOW THE SLAB-ON-GRADE AT FLOORS SCHEDULED TO BE FINISHED WITH WATER-SENSITIVE FINISHES. REFER TO THE PROJECT SPECIFICATIONS FOR A DESCRIPTION OF THE VAPOR BARRIER MATERIAL.
 - ISOLATION JOINTS. PROVIDE 3/8" MINIMUM ISOLATION JOINT AT THE EDGES OF ALL SLABS-ON-GRADE ABUTTING VERTICAL CONSTRUCTION (COLUMNS, WALLS, GRADE BEAMS, ETC.)
 - SLIP JOINTS. PROVIDE SLIP JOINTS AT THE TOP OF ALL PARTITION WALLS SUPPORTED BY THE SLAB-ON-GRADE.

03-CONCRETE

- CAST-IN-PLACE CONCRETE:
 - ALL CONCRETE WORK INCLUDING FABRICATION AND PLACEMENT OF REINFORCING SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS GIVEN IN ACI 318 AND ACI301 (REFERENCED EDITIONS) EXCEPT AS MODIFIED BY THE PROJECT CONTRACT DOCUMENTS.
 - CONCRETE MIXES SHALL SATISFY THE REQUIREMENTS GIVEN IN THE PROJECT SPECIFICATIONS.
 - CONCRETE STRENGTH: CONCRETE MIXES USED ON THE PROJECT SHALL ATTAIN 28-DAY COMPRESSIVE STRENGTHS AS FOLLOWS:

CONCRETE TYPE PROPERTIES			
DESCRIPTION OF CONCRETE USE	CONCRETE TYPE	28-DAY COMPRESSIVE STRENGTH (PSI)	
FOOTINGS	NW	4,000	
FOUNDATIONS (WALLS, GRADE BEAMS, PLASTERS, PIER CAPS)	NW	4,000	
INTERIOR SLABS-ON-GRADE	NW	4,000	
NORMAL WEIGHT TOPPING ON METAL DECK	NW	4,000	
ALL OTHER CONCRETE	NW	4,000	

- NOTES:
- NORMAL WEIGHT CONCRETE (NW): 145 PCF, STONE AGGREGATE.
 - LIGHT-WEIGHT CONCRETE (LW): 110 PCF, LIGHT-WEIGHT COARSE AGGREGATE.

- DURABILITY REQUIREMENTS: CONCRETE MIXES USED ON THE PROJECT SHALL BE PROPORTIONED TO SATISFY THE FOLLOWING DURABILITY REQUIREMENTS:

CONCRETE DURABILITY REQUIREMENTS				
DESCRIPTION OF CONCRETE USE AND / OR EXPOSURE	FREEZE-THAW (ACI 318, 4.2.1)	PERMEABILITY (ACI 318, 4.2.2)	CHLORIDES (ACI 318, 4.2.3)	SULFATES (ACI 318, 4.3.1)
FOUNDATIONS (PIERS, FOOTINGS, WALLS, GRADE BEAMS)	MILD	I	0.30	NA
INTERIOR EXPOSURE (ALL CONCRETE)	MILD	N.A.	1.00	NA
EXTERIOR EXPOSURE (VERTICAL CONCRETE ONLY)	MODERATE	II	0.30	NA
EXTERIOR EXPOSURE (FLOORS, ROOFS)	SEVERE	III	0.15	NA
NOTES:				
1. REFER TO ACI 318, CHAPTER 4 DEFINITION OF EXPOSURE CLASSIFICATIONS.				
2. PERMEABILITY CLASSIFICATIONS ARE AS FOLLOWS:				
• I - CONCRETE INTENDED TO HAVE LOW PERMEABILITY WHEN EXPOSED TO WATER.				
• II - CONCRETE EXPOSED TO FREEZING AND THAWING IN A MOIST CONDITION.				
• III - FOR CORROSION PROTECTION OF REINFORCING IN CONCRETE EXPOSED TO CHLORIDES FROM DEICING CHEMICALS, SALT OR SALT WATER.				
3. CONCRETE USED IN POST-TENSIONED CONCRETE IN ANY EXPOSURE CLASSIFICATION SHALL BE LIMITED TO A CHLORIDE ION CONTENT OF 0.06% OR LESS (ACI 318 4.2.3).				

- ALL REINFORCING STEEL IN CONCRETE SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND SHALL MEET THE REQUIREMENTS OF ASTM A615 OR ASTM A706. REINFORCING SHOWN AS GRADE 75 SHALL HAVE A MINIMUM YIELD STRENGTH OF 75,000 PSI AND MEET THE REQUIREMENT OF ASTM A615.
- CONCRETE REINFORCING USED IN WELDED APPLICATIONS SHALL CONFORM TO ASTM A706 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
- MECHANICAL REINFORCING COUPLERS SHALL BE ZAP SCREW LOCK MANUFACTURED BY BARSPLICE PRODUCTS, INC. (ICC REPORT E-8461) OR APPROVED EQUIVALENT. COUPLERS SHALL BE ZINC COATED AND CAPABLE OF DEVELOPING 100% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING.
- WELDED WIRE FABRIC SHALL BE SUPPLIED IN SHEETS ONLY AND SHALL MEET THE REQUIREMENTS OF ASTM A186.
- STEEL PLATES EMBEDDED IN CONCRETE SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. HEADED ANCHOR STUDS SHALL CONFORM TO ASTM A108, 60,000 PSI MINIMUM TENSILE STRENGTH. REINFORCING BARS WELDED TO PLATES SHALL CONFORM TO ASTM A706, GRADE 60.
- REINFORCING DETAILS:
 - ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 318 AND ACI 315 'DETAILS AND DETAILING OF CONCRETE REINFORCEMENT
 - CONCRETE COVER UNLESS OTHERWISE SHOWN ON PLANS OR IN DETAILS, PROVIDE THE FOLLOWING CONCRETE COVER TO REINFORCING:
 - CONCRETE POURED AGAINST EARTH: 3"
 - CONCRETE POURED IN FORMS AND EXPOSED TO WEATHER OR EARTH:
 - RS BARS OR SMALLER: 1 1/2"
 - BARS LARGER THAN RS BARS: 2"
 - COLUMNS, GIRDERS AND BEAMS:
 - PRINCIPAL REINFORCING, TIES AND STIRRUPS: 1 1/2"
 - SLABS AND WALLS: 3/4"
 - JOISTS: 3/4"
 - PARKING GARAGE SLABS:
 - TOP REINFORCING: 1 1/2"
 - BOTTOM REINFORCING: 1"
 - SPLICED OF REINFORCING BARS ARE PERMITTED ONLY AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPICES, WHERE PERMITTED, SHALL BE CLASS 'B' LAP SPICES UNLESS NOTED OTHERWISE.
 - REINFORCING IN BEAMS, SLABS, JOISTS, WALLS AND GRADE BEAMS NOTED AS CONTINUOUS SHALL BE LAP SPICED WITH CLASS 'B' LAP SPICES AS FOLLOWS:
 - TOP REINFORCING BARS - AT MIDSPAN
 - BOTTOM REINFORCING BARS - OVER SUPPORTS
 - SPLICE WIRE FABRIC REINFORCING BY LAP SPICING ONE FULL MESH PLUS 2" AT SIDE AND END LAPS, BUT NOT LESS THAN 6". LAP SPICES SHALL BE WIRE TIED.
 - MAKE ALL REINFORCING BARS CONTINUOUS AROUND CORNERS OR PROVIDE CORNER BARS OF EQUAL SIZE AND SPACING. SEE DETAILS FOR REINFORCING AT WALL INTERSECTIONS AND CORNERS. SPLICE CORNER BARS WITH CLASS 'B' LAP SPICES UNLESS SHOWN OTHERWISE.
 - AT LOCATIONS WHERE ALL REINFORCING WITHIN A STRUCTURAL ELEMENT WILL BE SPLICED, THE SPICES MUST BE STAGGERED UNLESS SHOWN OTHERWISE IN DETAILS OR ON SCHEDULES. OTHERWISE, STAGGER ADJACENT SPLICES WHERE POSSIBLE.
 - REINFORCING BAR DEVELOPMENT AND LAP SPICE LENGTHS: REFER TO DEVELOPMENT LENGTH AND LAP SPICE SCHEDULE BELOW FOR MINIMUM SPICE AND DEVELOPMENT LENGTHS TO BE USED FOR DETAILING.

03-CONCRETE (CONT'D)

MINIMUM REINFORCING DEVELOPMENT LENGTHS AND LAP SPICE LENGTHS							
CONCRETE STRENGTH = 4000 PSI							
BAR SIZE	DEVELOPMENT LENGTH (L _d) OR CLASS A TENSION LAP (L _e)		CLASS B TENSION LAP SPICE (L _e)		STANDARD HOOK DEVELOPMENT LENGTH (L _h)		HEADED BAR DEVELOPMENT LENGTH (L _h)
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	SIDE COVER <2x12" END COVER <2"	SIDE COVER <2x12" END COVER <2"	COVER <2x6, SPACING <#4
#3	18"	14"	24"	18"	6"	7"	6"
#4	25"	19"	32"	25"	7"	9"	6"
#5	31"	24"	40"	31"	8"	12"	9"
#6	37"	28"	48"	37"	10"	14"	11"
#7	54"	42"	70"	54"	12"	17"	13"
#8	62"	47"	80"	62"	13"	19"	15"
#9	70"	54"	90"	70"	15"	21"	17"
#10	78"	60"	102"	78"	17"	24"	19"
#11	87"	67"	113"	87"	19"	27"	21"

- NOTES:
- UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE CONTRACT DRAWINGS, USE THE MINIMUM LENGTH FOR A CLASS B LAP SPICE OR THE MINIMUM DEVELOPMENT LENGTH INDICATED IN THE TABLES ABOVE. MULTIPLY THE APPLICABLE FACTOR(S) LISTED BELOW, THE PRODUCT OF THE FACTORS IN A AND B, BELOW NEED NOT EXCEED 1.7.
 - WHERE THE CLEAR SPACING BETWEEN BARS LAP SPICED OR DEVELOPED AT ANY SECTION IS LESS THAN 2 BAR DIAMETERS, OR WHERE THE BAR COVER IS LESS THAN THE BAR DIAMETER, MULTIPLY THE TABULATED BAR SPICE OR DEVELOPMENT LENGTH BY 1.5.
 - FOR EPOXY COATED BARS, MULTIPLY THE TABULATED BAR SPICE OR DEVELOPMENT LENGTH BY 1.2.
 - TABLE IS FOR 1 OR 2 BAR BUNDLES ONLY. FOR DEVELOPMENT LENGTHS AND TENSION LAP SPICES OF BUNDLED BARS REFER TO ACI 318-14 SECTION 25.6 OR CONTACT THE STRUCTURAL ENGINEER.
 - MECHANICAL COUPLERS MAY BE SUBSTITUTED FOR TENSION LAP SPICED BARS PROVIDED THAT THEY MEET THE REQUIREMENTS OF ACI 318-14 SECTION 25.5.
 - AT ENDS OF BEAMS, SLABS, JOINTS, WALLS AND GRADE BEAMS, TERMINATE TOP REINFORCING WITH STANDARD HOOKS UNLESS SHOWN OTHERWISE ON PLANS OR DETAILS.
 - REINFORCING AROUND OPENINGS IN WALLS AND FLOORS, UNLESS NOTED OTHERWISE ON PLAN OR IN DETAILS, PROVIDE #5 BARS (ONE BAR EACH FACE) AT EACH SIDE OF OPENING (CIRCULAR OPENINGS SHALL BE CONSIDERED SQUARE WITH EQUIVALENT OPENING WIDTH EQUAL TO DIAMETER OF CIRCULAR OPENING). EXTEND #5 BARS PAST EDGES OF OPENING A DISTANCE OF 24".
 - EXCEPTIONS: WHEN THE LARGEST OPENING DIMENSION IS LESS THAN 8" AND CIRCULAR OPENINGS LESS THAN 8" IN DIAMETER DO NOT NEED ADDITIONAL REINFORCING AS DESCRIBED ABOVE, MULTIPLE OPENINGS SHALL BE SPACED A MINIMUM OF 32" (CLEAR APART TO QUALIFY FOR THIS SECTION EXCEPT).
 - WHERE UNIFORMLY SPACED WALL OR SLAB REINFORCING IS INTERRUPTED BY THE OPENING, PROVIDE ADDITIONAL REINFORCING AT EACH EDGE EQUAL TO HALF THE AREA OF INTERRUPTED REINFORCING. SIZE OF ADDITIONAL BARS AT EACH EDGE SHALL MATCH THE SIZE OF INTERRUPTED REINFORCING. SPACE THE BARS AT 12" ON CENTER STARTING 1" FROM THE SIDE OF THE OPENING AND EXTEND THE BARS PAST THE EDGES OF THE OPENING THE LENGTH OF A CLASS 'B' SPICE.
 - WELDING OF REINFORCING IS NOT ALLOWED UNLESS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. PLACING OF REINFORCING:
 - PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON PLANS AN TO MAINTAIN REQUIRED CONCRETE COVER.
 - PROVIDE ADDITIONAL BARS AND SUPPORTS AS NECESSARY TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACEMENT.
 - ALL STIRRUPS SHALL HAVE A #3 SPACER BAR AT ALL CORNERS OVER LENGTH OF STIRRUP SPACING WHERE NO OTHER LONGITUDINAL REINFORCING IS SHOWN.
 - WET STABBING OF REINFORCING OR EMBEDS INTO PREVIOUSLY PLACED CONCRETE IS NOT ALLOWED.
 - CONTROL JOINTS IN CONCRETE:
 - PROVIDE CONTROL JOINTS IN CONCRETE WALLS AT A MAXIMUM SPACING OF 30'-0" ON CENTER. SEAL CONTROL JOINTS EXPOSED TO WEATHER WITH JOINT SEALANT.
 - PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AT A MAXIMUM SPACING OF 12'-0" ON CENTER UNLESS OTHERWISE SHOWN ON PLANS OR IN DETAILS. COORDINATE JOINT LOCATIONS WITH FLOOR FINISHES AND LOCATE JOINTS AT COLUMN CENTERLINES, AT ENDS AND CORNERS OF WALLS, RE-ENTRANT CORNERS AND LOCATIONS PRONE TO CRACKING WHERE POSSIBLE. CONTRACTOR SHALL SUBMIT A PLAN LOCATING CONTROL JOINTS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
 - CONSTRUCTION JOINTS:
 - LOCATE CONSTRUCTION JOINTS AT CONTROL JOINT LOCATIONS WHERE POSSIBLE.
 - SLABS, BEAMS, AND JOISTS SHALL NOT HAVE CONSTRUCTION JOINTS IN A HORIZONTAL PLANE, ANY STOP IN CONCRETE WORK MUST BE MADE AT THIRD POINT OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
 - FOR CONCRETE POURED ON METAL DECK, LOCATE CONSTRUCTION JOINTS FIVE FEET FROM THE CENTERLINE OF PARALLEL STEEL BEAMS OR GIRDERS, OR, HALF-WAY BETWEEN ADJACENT BEAMS, WHICHEVER IS LESS.
 - ALL REINFORCING SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS, OR, PROVIDE DOWEL BAR SPICERS CAPABLE OF DEVELOPING THE STRENGTH OF THE REINFORCING. LAP SPICE DOWEL BAR EXTENSION AND DOWEL BAR SPICER TO REINFORCING USING CLASS 'B' LAP SPICES.
 - CONCRETE TOLERANCES: TOLERANCES SHALL CONFORM TO REQUIREMENTS GIVEN IN ACI 117 AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
 - ALIGNMENT OF WALLS AND COLUMNS:
 - FOR HEIGHTS 100 FEET OR LESS ADJACENT TO STONE OR BRICK VENEER: -0.50" AND -0.50" FROM THEORETICAL PLAN LOCATION.
 - FOR HEIGHTS GREATER THAN 100 FEET ADJACENT TO STONE OR BRICK VENEER: NO MORE THAN PLUS OR MINUS 1/2000 TIMES THE HEIGHT FROM THE THEORETICAL PLAN LOCATION (MAXIMUM +1").
 - ALIGNMENT DIFFERENCE BETWEEN ADJACENT STORIES SHALL NOT EXCEED 0.50".
 - ALIGNMENT OF WALLS SUPPORTING STRUCTURAL, STEEL OR PRECAST FRAMING:
 - FOR HEIGHTS 100 FEET OR LESS, AND -0.75" FROM THEORETICAL PLAN LOCATION.
 - FOR HEIGHTS GREATER THAN 100 FEET: NO MORE THAN PLUS OR MINUS 1/1500 TIMES THE HEIGHT FROM THE THEORETICAL PLAN LOCATION (MAXIMUM +1").
 - ALIGNMENT DIFFERENCE BETWEEN ADJACENT STORIES SHALL NOT EXCEED 0.50".
 - LATERAL ALIGNMENT:
 - EDGES OF SLABS ON BEAMS ADJACENT TO STONE OR BRICK VENEER: -0.50", -0.75"
 - EDGES OF SLABS AND BEAMS SUPPORTING STRUCTURAL STEEL OR PRECAST FRAMING: -0.75, -1.00"
 - LEVEL ALIGNMENT:
 - ELEVATION OF TOP OF FORMED SLABS (PRIOR TO REMOVAL OF SHORES): -0.75", -0.75" FROM SPECIFIED ELEVATION.
 - ELEVATION OF TOP OF SLABS POURED ON METAL DECK:
 - AT COLUMNS, WALLS AND OTHER VERTICAL SUPPORTS: -0.75", -0.75" FROM SPECIFIED ELEVATION.
 - OVER FLOOR FRAMING: SET SCREEDS AND ADJUST AS REQUIRED TO ACHIEVE SPECIFIED UNIFORM SLAB THICKNESS OVER BEAMS, ALLOWING FOR BEAM CAMBER AND DEFLECTION. ADDITIONAL SLAB THICKNESS BETWEEN BEAMS DUE TO DEFLECTION OF METAL DECK IS ACCEPTABLE.
- CONCRETE PLACEMENT:
 - CONSOLIDATE ALL CONCRETE DURING PLACEMENT AND THOROUGHLY WORK AROUND REINFORCING AND EMBEDDED ITEMS AND INTO CORNERS OF FORMS FOLLOWING AIC recommendations.
 - WHEN CONCRETE PLACEMENT IS INTERRUPTED, NOTIFY THE STRUCTURAL ENGINEER FOR RECOMMENDATIONS. UNLESS DIRECTED OTHERWISE, PROVIDE A CONSTRUCTION JOINT BY ROUGHENING THE CONCRETE SURFACE TO AN AMPLITUDE OF 1/4" COAT THE JOINT SURFACE WITH THE SPECIFIED BONDING AGENT PRIOR TO POURING CONCRETE.
- POST-INSTALLED ANCHORS INTO CONCRETE:
 - PROVIDE POST-INSTALLED CONCRETE ANCHORS AS SHOWN IN THE CONTRACT DOCUMENTS AND IN THE SPECIFICATIONS.
 - ANCHORS SUPPORTING FIRE-RESISTANCE RATED FRAMING (FIRE-PROOFED STRUCTURAL FRAMING) SHALL BE ONE OF THE FOLLOWING: HILTI HDA OR KWIK BOLT TZZ ANCHORS AS INDICATED ON PLANS AND DETAILS. ANCHOR INSTALLATION SHALL BE INSPECTED IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS GIVEN IN THE GENERAL NOTES AND SHALL BE PROTECTED WITH CEMENTITIOUS SPRAY-APPLIED FIRE PROOFING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
 - ANCHORS SUPPORTING STRUCTURAL FRAMING SHALL BE ONE OF THE FOLLOWING: HILTI HDA OR KWIK BOLT TZZ ANCHORS AS INDICATED ON PLANS AND DETAILS. ANCHOR INSTALLATION SHALL BE INSPECTED IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS GIVEN IN GENERAL NOTES.
 - ANCHORS SUPPORTING MISCELLANEOUS FRAMING SHALL BE AS SHOWN IN THE PLANS AND DETAILS. IF NOT OTHERWISE SPECIFIED, THE ANCHORS SHALL BE HILTI KWIK BOLT TZZ.
 - ANCHORS SUPPORTING ARCHITECTURAL COMPONENTS, ELECTRICAL, AND MECHANICAL EQUIPMENT SHALL BE AS INDICATED IN THE PLANS AND DETAILS. IF NOT OTHERWISE SPECIFIED, THE ANCHORS SHALL BE HILTI HD CONCRETE EXPANSION ANCHOR.
 - ANCHORS ATTACHING LIGHT-GAGE, STEEL FRAMING TO CONCRETE SHALL BE HILTI LOW-VELOCITY, X-U UNIVERSAL POWDER-DRIVEN TRACK FASTENERS UNLESS SHOWN OTHERWISE IN PLANS OR DETAILS.
 - PRIOR TO ANCHOR INSTALLATION, LOCATE EXISTING REINFORCING WITHIN CONCRETE SUBSTRATE. DO NOT DAMAGE EXISTING REINFORCING DURING INSTALLATION. CONTACT THE STRUCTURAL ENGINEER IF ANCHOR LOCATION CONFLICTS WITH EXISTING REINFORCING.
 - PRODUCT SUBSTITUTION: THE CONTRACTOR MAY SUBMIT ALTERNATE ANCHORS FOR REVIEW AND APPROVAL PROVIDED THE ACCOMPANYING PRODUCT DATA IS SATISFACTORY TO THE ENGINEER FOR COMPARISON TO THE SPECIFIED ANCHORS.

04-MASONRY

- CONCRETE MASONRY UNITS:
 - ALL CONCRETE MASONRY WORK INCLUDING FABRICATION AND PLACEMENT OF REINFORCING SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS GIVEN IN ACI 530 AND ACI 530.1 (REFERENCED EDITIONS) EXCEPT AS MODIFIED BY THE PROJECT CONTRACT DOCUMENTS.
 - MASONRY BLOCK UNITS SHALL CONFORM TO ASTM C90 MEDIUM OR LIGHTWEIGHT BLOCK.
 - MORTAR USED IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C270 AS FOLLOWS:
 - EXTERIOR WALLS AND INTERIOR BEARING WALLS: TYPE S
 - FOUNDATION WALLS AND WALLS EXPOSED TO EARTH OR M
 - INTERIOR, NON-BEARING WALLS: TYPE O (OR TYPE S)
 - GROUT USED IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C476 AND SHALL DEVELOP 3,000 PSI (MINIMUM) COMPRESSIVE STRENGTH IN 28 DAYS WHEN TESTED IN ACCORDANCE WITH C1019.
 - MASONRY SHALL DEVELOP 2,500 PSI (MINIMUM) COMPRESSIVE STRENGTH (F_m) IN 28 DAYS WHEN TESTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND SHALL MEET THE REQUIREMENTS OF ASTM A615 OR ASTM A706.
 - REINFORCING USED IN WELDED APPLICATIONS SHALL CONFORM TO ASTM A706 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
 - HORIZONTAL JOINT REINFORCING SHALL CONFORM TO ASTM A951 (LADDER-TYPE) WITH CROSS WIRES AT 16" ON CENTER. SIDE RODS SHALL BE W17 (B GAGE) SIZE AND SHALL CONFORM TO ASTM A62.
 - STEEL PLATES EMBEDDED IN CONCRETE SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. HEADED ANCHOR STUDS SHALL CONFORM TO ASTM A108, 60,000 PSI MINIMUM TENSILE STRENGTH. REINFORCING BARS WELDED TO PLATES SHALL CONFORM TO ASTM A706, GRADE 60.
 - REINFORCING DETAILING:
 - ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 530 AND ACI 530.1.
 - VERTICAL REINFORCING SHALL EXTEND THE FULL HEIGHT OF THE WALL AND SHALL BE GROUTED IN PLACE UNLESS NOTED OTHERWISE.
 - CONTINUOUS REINFORCING MAY BE SPLICED AS REQUIRED USING BARS OF LONGEST PRACTICAL LENGTH. HORIZONTAL JOINT REINFORCING SHALL BE CONTINUOUS AROUND WALL CORNERS AND INTERSECTIONS.
 - WHERE REQUIRED, REINFORCING SPLICES SHALL BE SHOWN ON REINFORCING SHOP DRAWINGS AND SHALL CONFORM TO THE FOLLOWING SCHEDULE.

MASONRY LAP SPICE SCHEDULE (F_m = 2,500 PSI)

BAR SIZE	BAR CENTERED IN CELL			BAR AT EDGE OF CELL
	8" BLOCK	10" BLOCK	12" BLOCK	ALL BLOCK SIZES
#3	12"	12"	12"	15"
#4	12"	12"	12"	26"
#5	18"	14"	12"	41"
#6	24"	26"	21"	54"
#7	47"	36"	29"	63"

- NOTES:
- VALUES CALCULATED PER IRC SECTION 2108.2.
 - REINFORCING F_m = 60,000 PSI.
 - VALUES ONLY APPLY FOR A SINGLE BAR WITHIN CELL.
 - COVER FOR BAR AT EDGE OF CELL IS 1 1/2" MIN.

- VERTICAL REINFORCING SHALL BE DOWELED INTO FOUNDATION OR SLAB SUPPORTING MASONRY. PROVIDE DOWELS OF ADEQUATE LENGTH FOR CONCRETE OR MASONRY DEVELOPMENT LENGTH INTO FOUNDATION AND MASONRY LAP SPICE PROTECTION ABOVE. FOR MASONRY SUPPORTED ON SLABS, PROVIDE DOWELS EMBEDDED INTO SLAB WITH STANDARD HOOKS. DOWEL SIZE AND SPACING SHALL MATCH VERTICAL REINFORCING.
- MINIMUM WALL REINFORCING:
 - REINFORCE MASONRY WALLS AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, REINFORCE WALLS (INCLUDING PARTITION WALLS) WITH #5 VERTICAL BARS AT 48" ON CENTER MAXIMUM SPACING UNLESS NOTED OTHERWISE.
 - PROVIDE #5 BAR AT 48" ON CENTER, ENDS OF WALLS, EACH SIDE OF OPENINGS AND EACH SIDE OF CONTROL JOINTS.
 - PROVIDE LADDER TYPE W17 (B GAGE) HORIZONTAL JOINT LADDER-TYPE REINFORCING AT 16" ON CENTER UNLESS NOTED OTHERWISE ON DRAWINGS. PROVIDE PREFABRICATED JOINT REINFORCING ASSEMBLIES FOR CORNERS AND INTERSECTIONS. LAP SPICE JOINT REINFORCING 8" KEEPING CELL OPENING CLEAR OF CROSS WIRES.
 - PROVIDE ADDITIONAL HORIZONTAL JOINT REINFORCING IN BED JOINT ABOVE MASONRY COURSE OPENINGS. EXTEND JOINT REINFORCING A MINIMUM OF 2'-6" PAST EDGE OF OPENINGS.
 - PROVIDE BOND BEAMS IN MASONRY WALLS AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, PROVIDE BOND BEAMS WITH 2 #5 BARS AS FOLLOWS:
 - AT TOP COURSE OF PARAPETS.
 - IN ONE OF THE UPPER THREE COURSES OF ALL WALLS.
 - UNLESS SHOWN OTHERWISE IN LINTEL SCHEDULE, OVER THE TOP OF ALL OPENINGS GREATER THAN 24" WIDE, EXTENDING 2'-6" PAST EDGE OF OPENING.
- OPENINGS IN WALLS:
 - REFER TO ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF OPENINGS THROUGH MASONRY WALLS. PROVIDE LOOSE LINTEL OR BOND BEAM OVER TOP OF OPENINGS GREATER THAN 24" WIDE.
- REINFORCING PLACEMENT:
 - ALL REINFORCING SHALL HAVE A MINIMUM GROUT COVER OF ONE BAR DIAMETER.
 - BARS CENTERED IN CELLS SHALL BE HELD SECURELY IN PLACE. BARS NOTED AS "EACH FACE" SHALL BE SECURED IN PLACE AT 4'-0" ON CENTER VERTICALLY USING PRE-FABRICATED POSITIONERS.
- CONTROL JOINTS: UNLESS SHOWN OTHERWISE ON STRUCTURAL OR ARCHITECTURAL DRAWINGS, PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 30'-0" ON CENTER IN EXTERIOR WALLS AND 40'-0" ON CENTER IN INTERIOR WALLS.
- GROUTING:
 - FILL ALL BLOCK CELLS CONTAINING REINFORCING WITH GROUT.
 - FILL ALL VOIDS AND CELLS WITH GROUT FOR A DISTANCE OF 24" BELOW AND 16" EACH SIDE OF ALL BEAM AND LINTEL REACTIONS OR OTHER CONCENTRATED LOADS UNLESS SHOWN OTHERWISE.
 - FILL ALL VOIDS AND CELLS OF MASONRY BLOCK SUPPORTING CONCRETE SLABS OR STEEL DECK FOR A DISTANCE OF 8" BELOW BEARING ELEVATION.
 - UNLESS SHOWN OTHERWISE IN DETAILS, GROUT CELLS CONTAINING ANCHORS OR EMBEDMENTS PLUS ADJACENT CELLS BELOW, ABOVE AND EACH SIDE.
 - FILL ALL CELLS BELOW GRADE WITH GROUT.
 - FILL ALL CELLS ABOVE ROOF LEVEL WITH GROUT AT PARAPETS.
 - WHERE A CHANGE IN WALL THICKNESS OCCURS, GROUT THE

ANCHOR BOLT SCHEDULE							
MARK	DIA	EMBED 'E'	PROJ 'P'	F1554 GRADE	HOLE Ø	MIN WASHER	NOTES
AB-1	3/4"	8"	5"	GR. 36	1-5/16"	1/4"x2"	---

Diagram illustrating the STL COL - RE: PLAN. The plan shows a square base plate with dimensions and labels:

- BASE PL (A36)**: Points to the outer square boundary.
- 5/16"**: Dimension indicating the thickness of the base plate.
- ANCHOR BOLTS SEE SCHEDULE**: Points to the four circular anchor bolts at the corners.
- STL COL - RE: PLAN**: Points to the central square area.
- Dimensions**:
 - V**: Vertical dimension from the top edge to the center.
 - X**: Horizontal dimension from the center to the edge.
 - Y**: Vertical dimension from the center to the edge.
 - W**: Horizontal dimension from the center to the edge.

SETTING NUT + WASHER

T/CONCRETE

SEE PLAN

ASTM A563 NUT - TYPE 316

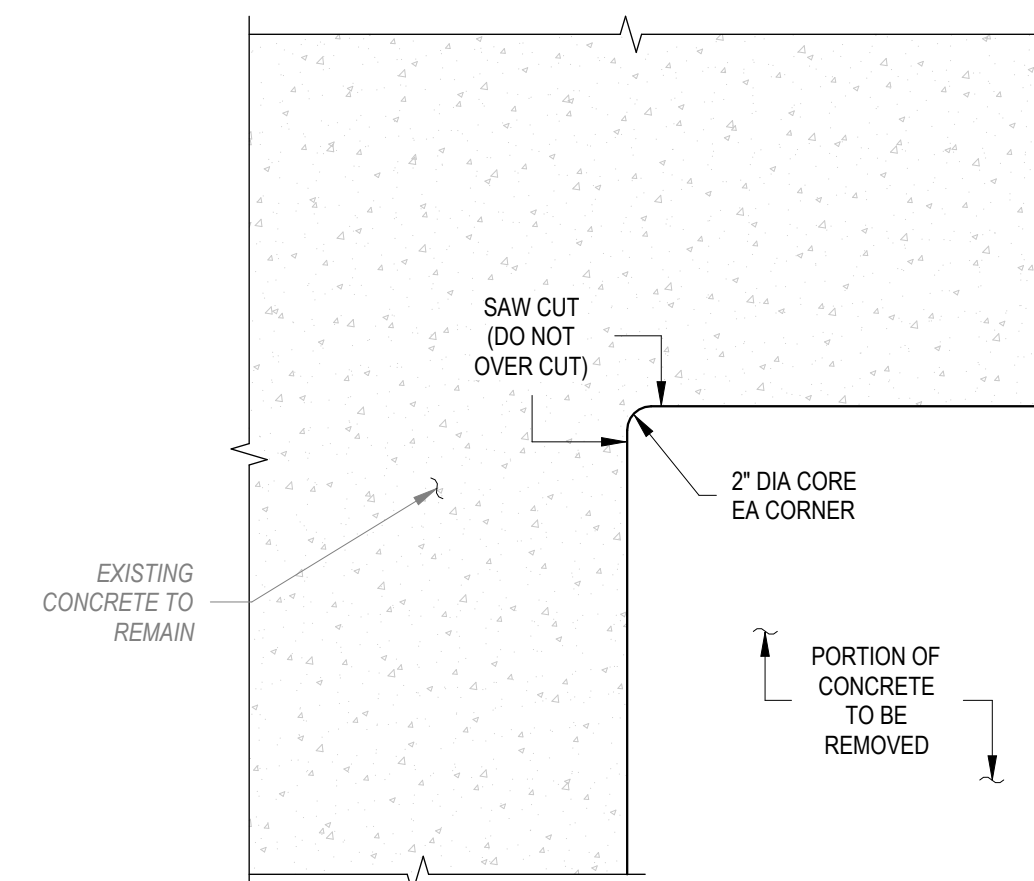
SEE SCHEDULE FOR WASHER

ASTM F1554 ANCHOR ROD - SEE SCHEDULE

STD NUT - TACK WELD TO BOLT

ANCHOR BOLT DETAIL

WALL FOOTING SCHEDULE				
TYPE	SIZE		REINF	REMARKS
	WIDTH	THICKNESS		
WF30	2'-6"	12"	3#5xCONC	
WF48	4'-0"	12"	5#5xCONC	
WF72	6'-0"	12"	#5@12" SW T+8; 7#5xCONC LW T+8	



3
\$003.2

TYP NEW OPNG IN EXISTING CONCRETE
3/4" = 1'-0"



ZS
ARCHITECTURAL ENGINEERING

10501 West Research Drive, Suite 207
Milwaukee, Wisconsin 53226
Phone: (414) 727-5000
Fax: (414) 727-6666
www.zsllc-us.com

BELMARK PLANT 1
TRIM ROOM RENOVATION

600 HERITAGE ROAD
DE PERE, WI 54115

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

[illegible]

Owner:

BELMARK, INC.
600 HERITAGE ROAD
DE PERE, WI 54115

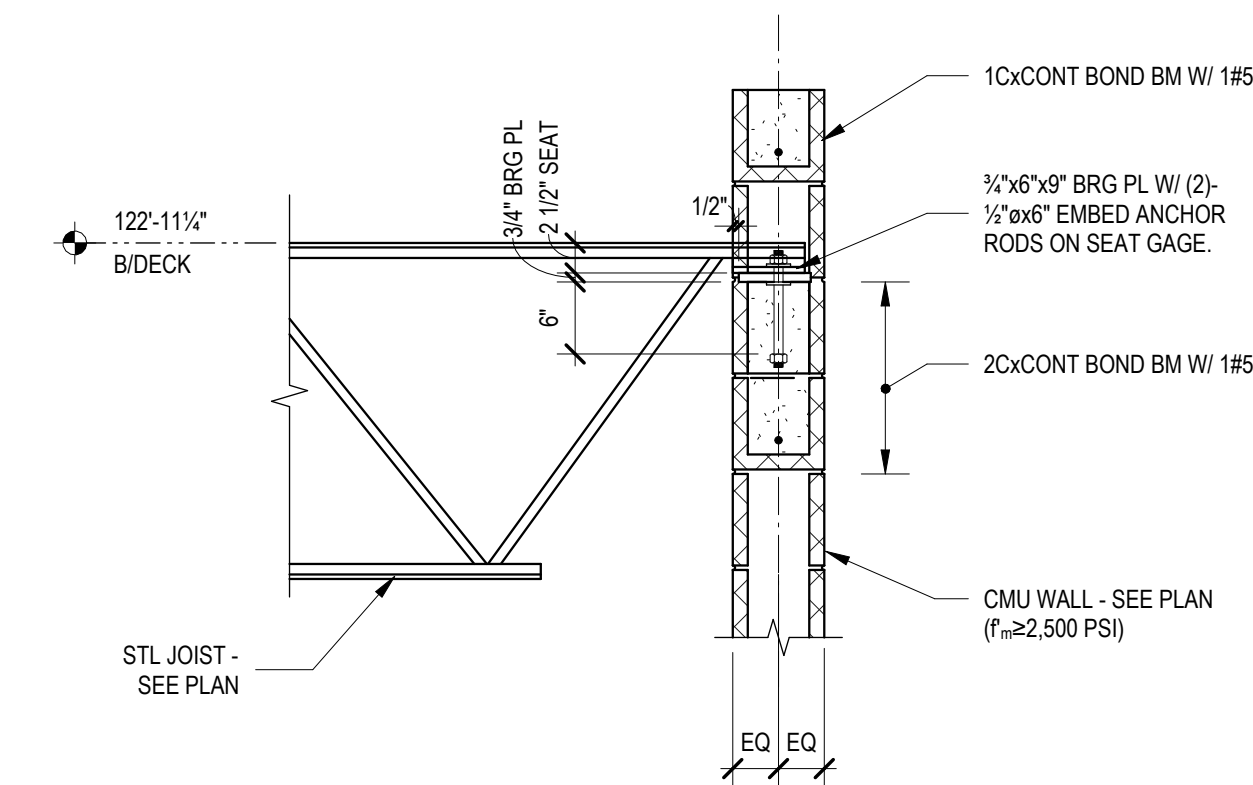
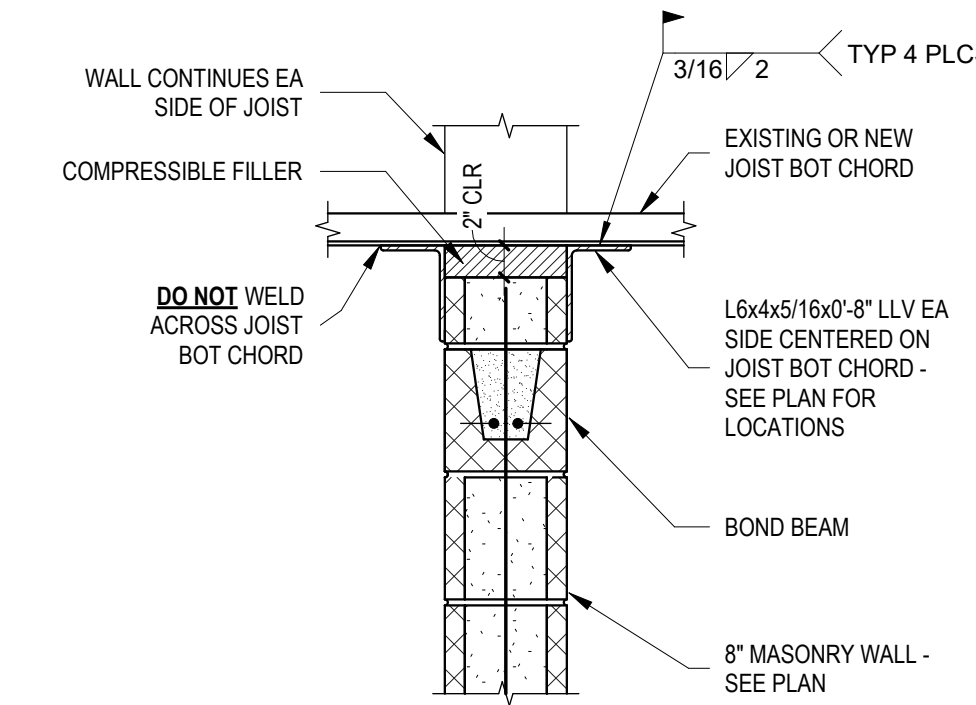
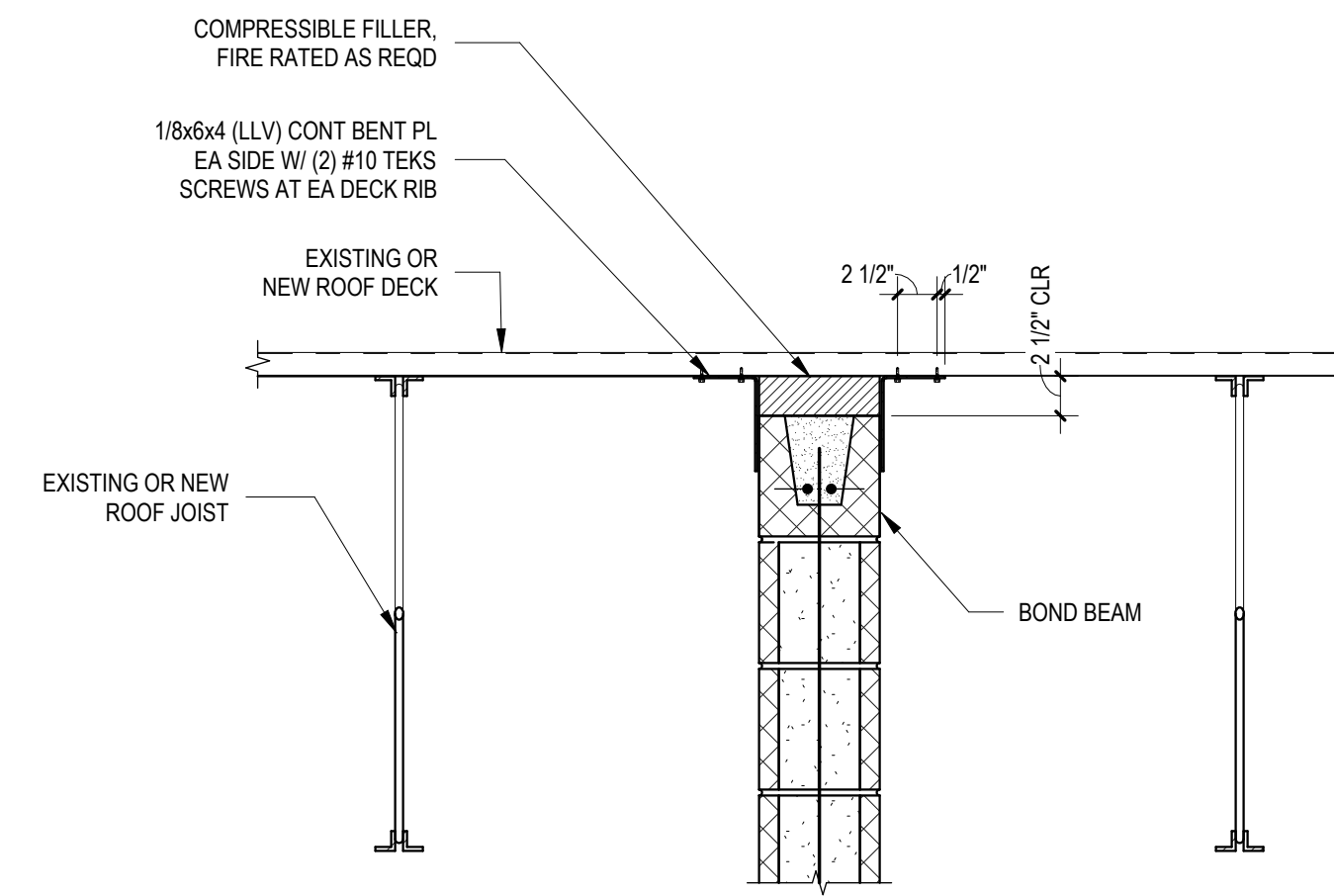
CONCRETE +
STEEL DETAILS +
SCHEDULES

Project number	247017
Date	FEBRUARY 28, 2024

S003.2

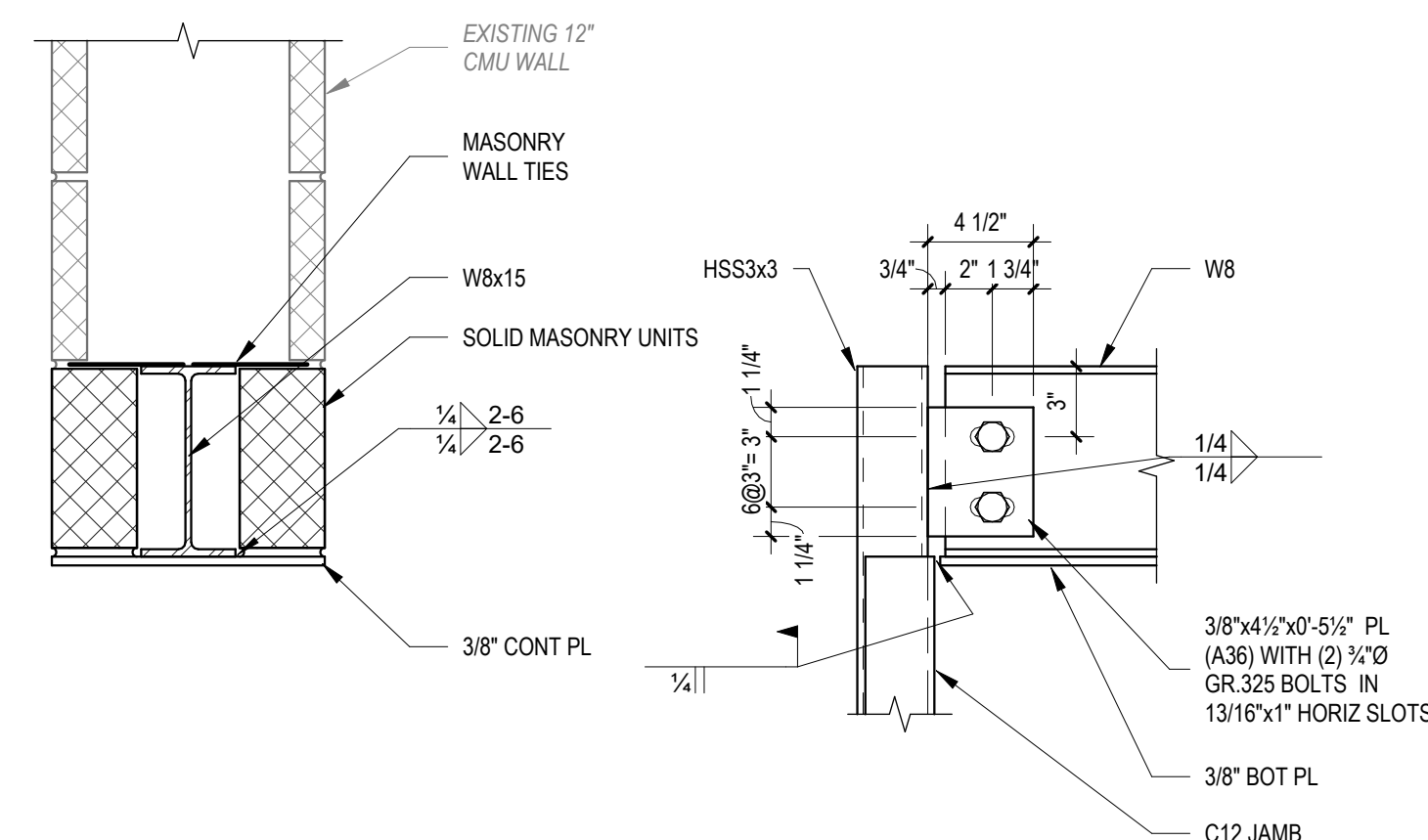
MASONRY WALL REINFORCING NOTES:

1. PROVIDE VERTICAL REINFORCEMENT AT WALL ENDS, CORNERS AND EACH SIDE OF CONTROL JOINTS.
2. PROVIDE DOMNELS FOR VERTICAL REINFORCEMENT INTO FOUNDATION WALLS AND FOOTINGS BELOW PER DETAILS.
3. SEE GENERAL NOTES AND DETAILS FOR HORIZONTAL JOINT REINFORCEMENT AND BEARING REQUIREMENTS. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCEMENT IN ALL WALLS AS PER SPECIFICATIONS.
4. UNLESS OTHERWISE CALLED OUT, ALL 8" MASONRY WALLS ARE TYPE MB AND 12" MASONRY WALLS ARE TYPE M12.
5. UNLESS DETALLED OR OTHERWISE CALLED OUT, PROVIDE CMU UNTELS L2 AND L5 OVER OPENINGS IN 8" AND 12" MASONRY WALLS.
6. UNLESS DETALLED OR OTHERWISE CALLED OUT, PROVIDE CMU JAMB J2 IN ALL 8" AND 12" MASONRY WALL OPENINGS.
7. OPENINGS IN WALLS PROVIDED FOR MECHANICAL DUCTWORK SHALL BE CENTERED IN BETWEEN BEARING LOCATIONS OR POSITIONED WITH THE NEAREST EDGE NO CLOSER THAN 24" EITHER SIDE OF BEARING LOCATIONS.
8. SEE PLAN AND DETAILS FOR ADDITIONAL WALL REINFORCEMENT AND GROUTING REQUIREMENTS NOT COVERED IN THIS SCHEDULE.



WALL PERPENDICULAR TO STEEL ROOF JOIST

3 K JOIST ON CMU
S004.2 $3/4" = 1'-0"$



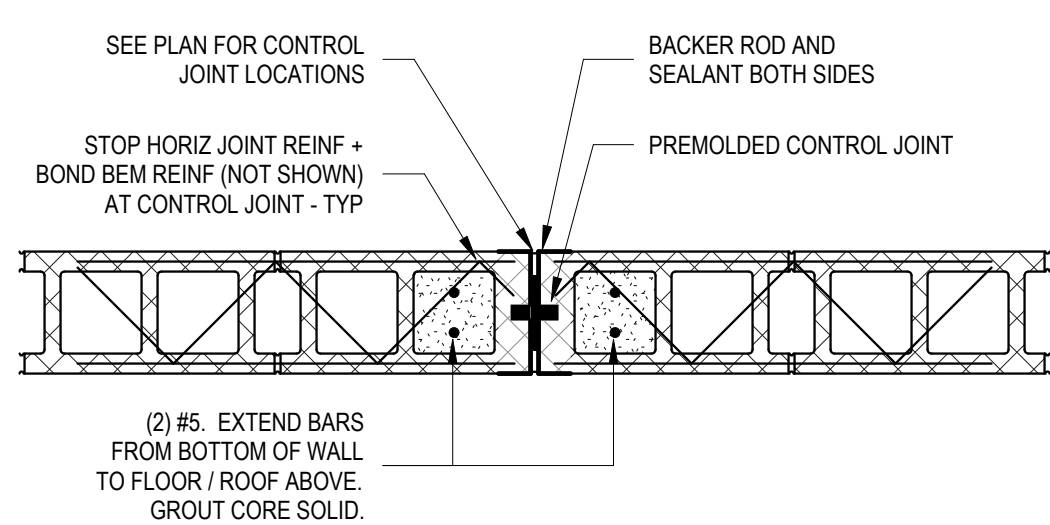
LINTEL-JAMB CONNECTION

LINTEL-JAMB CONNECTION

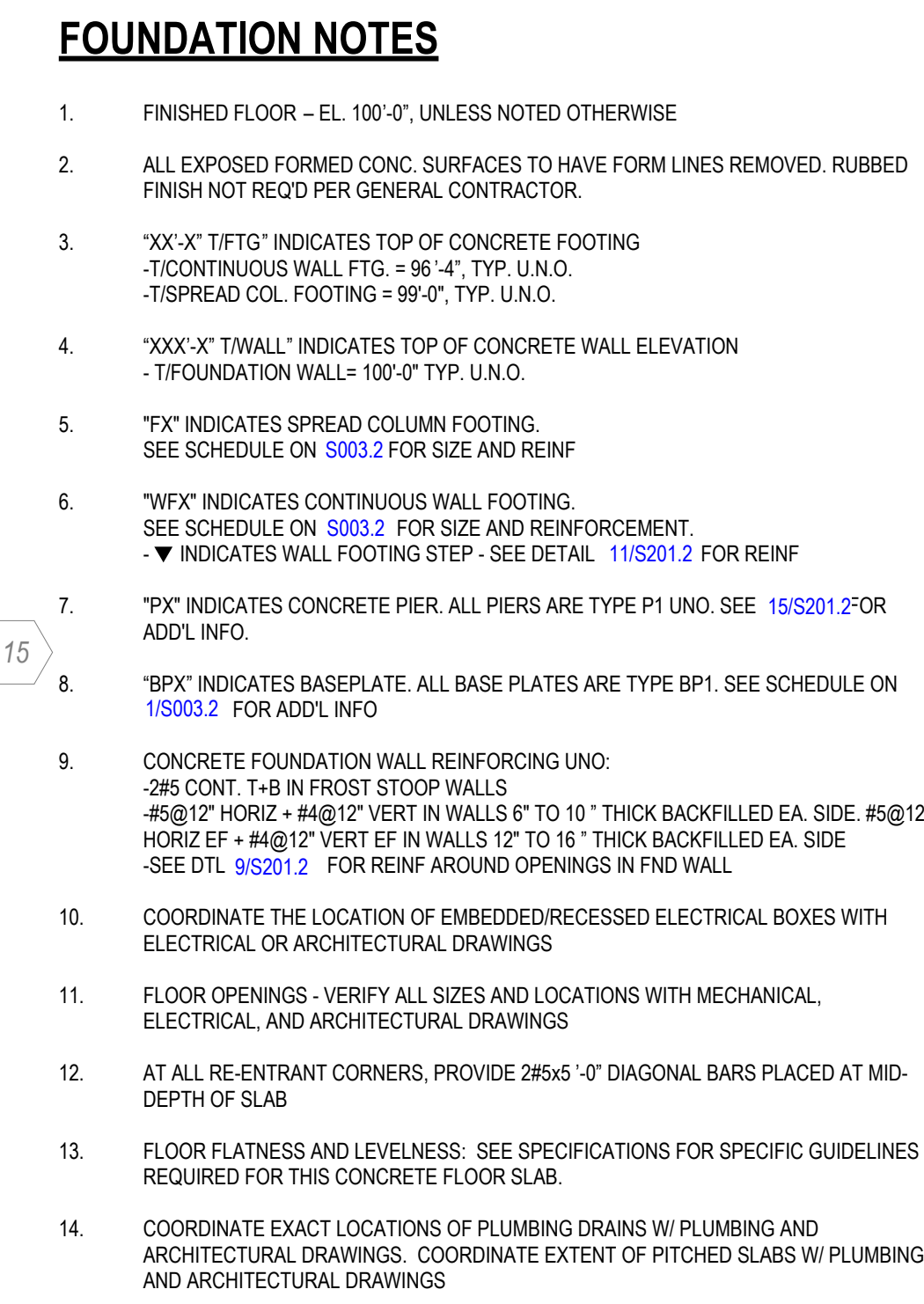
5
S004.2

LINTEL 'S3'

1 1/2" = 1'-0"



CONTROL JOINT



ZS
ARCHITECTURAL ENGINEERING
10501 West Research Drive, Suite 207
Milwaukee, Wisconsin 53226
Phone: (414) 727-5000
Fax: (414) 727-6666
www.zsllc-us.com

BELMARK PLANT 1
TRIM ROOM RENOVATION

600 HERITAGE ROAD
DE PERE, WI 54115

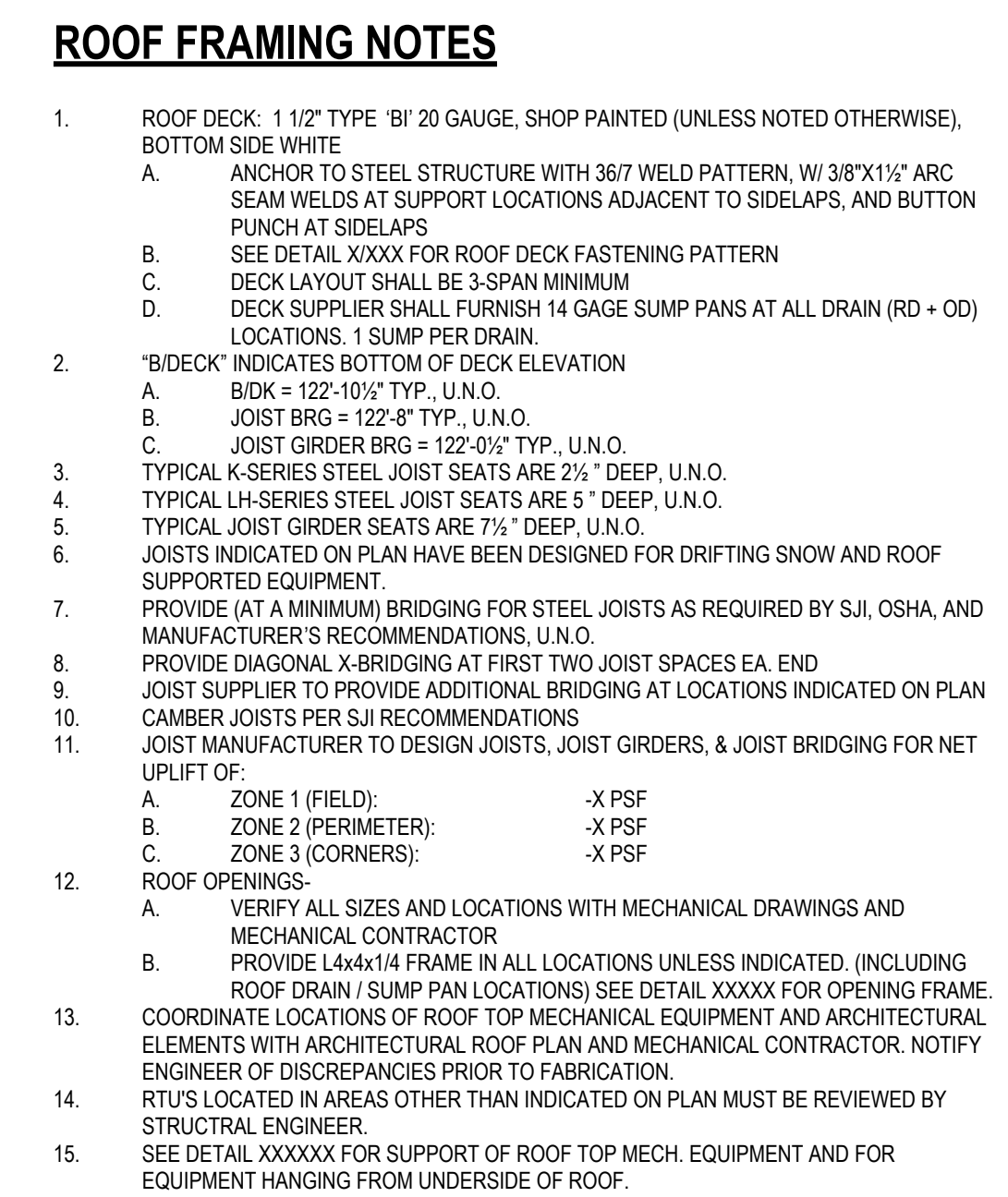
[illegible]

Owner:
BELMARK, INC.
600 HERITAGE ROAD
DE PERE, WI 54115

FOUNDATION
PLAN

Project number	247017
Date	FEBRUARY 28, 2024

S102.2



BELMARK PLANT 1
TRIM ROOM RENOVATION

600 HERITAGE ROAD
DE PERE, WI 54115

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

[illegible]

Owner:

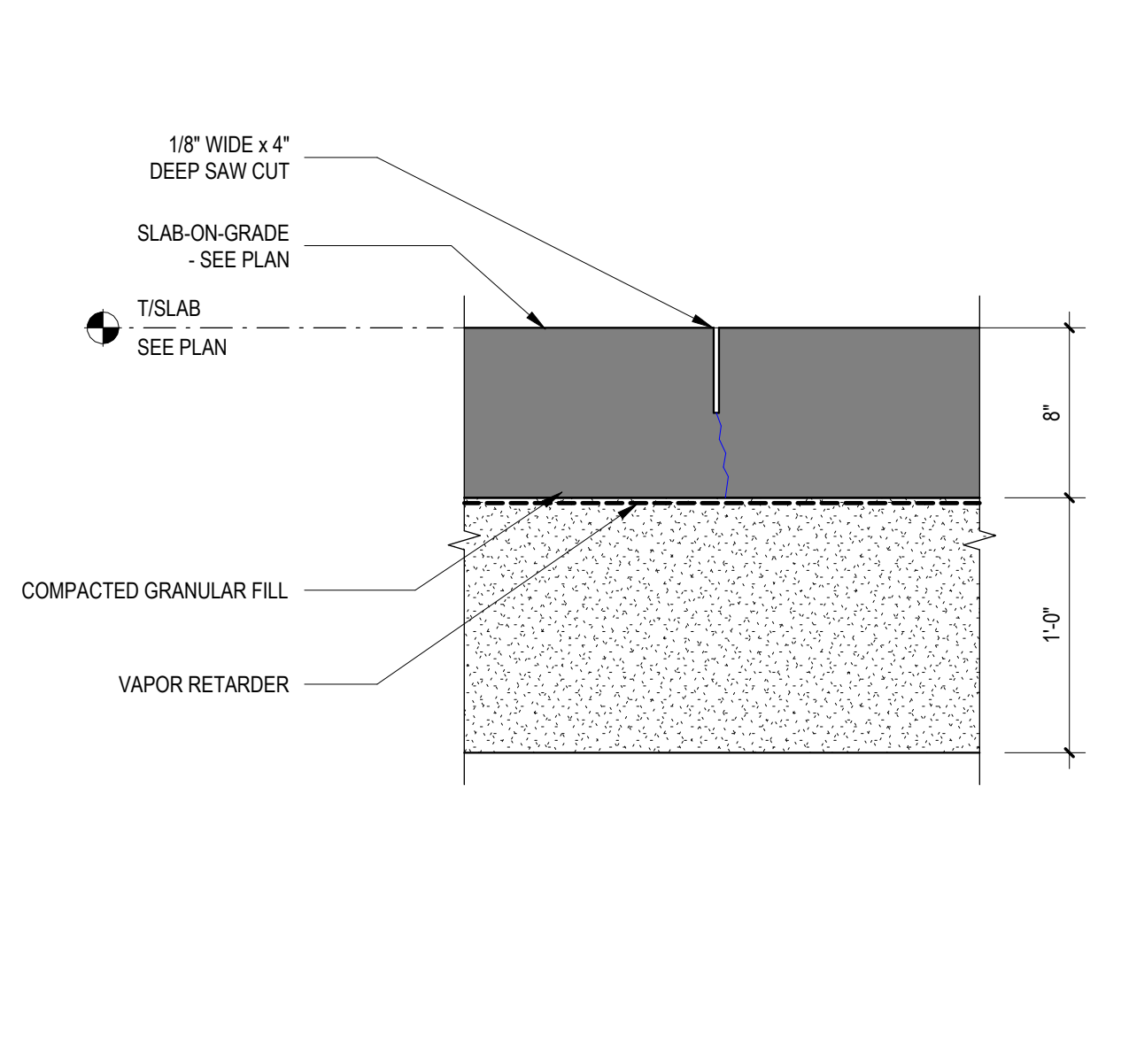
BELMARK, INC.
600 HERITAGE ROAD
DE PERE, WI 54115

ROOF FRAMING PLAN

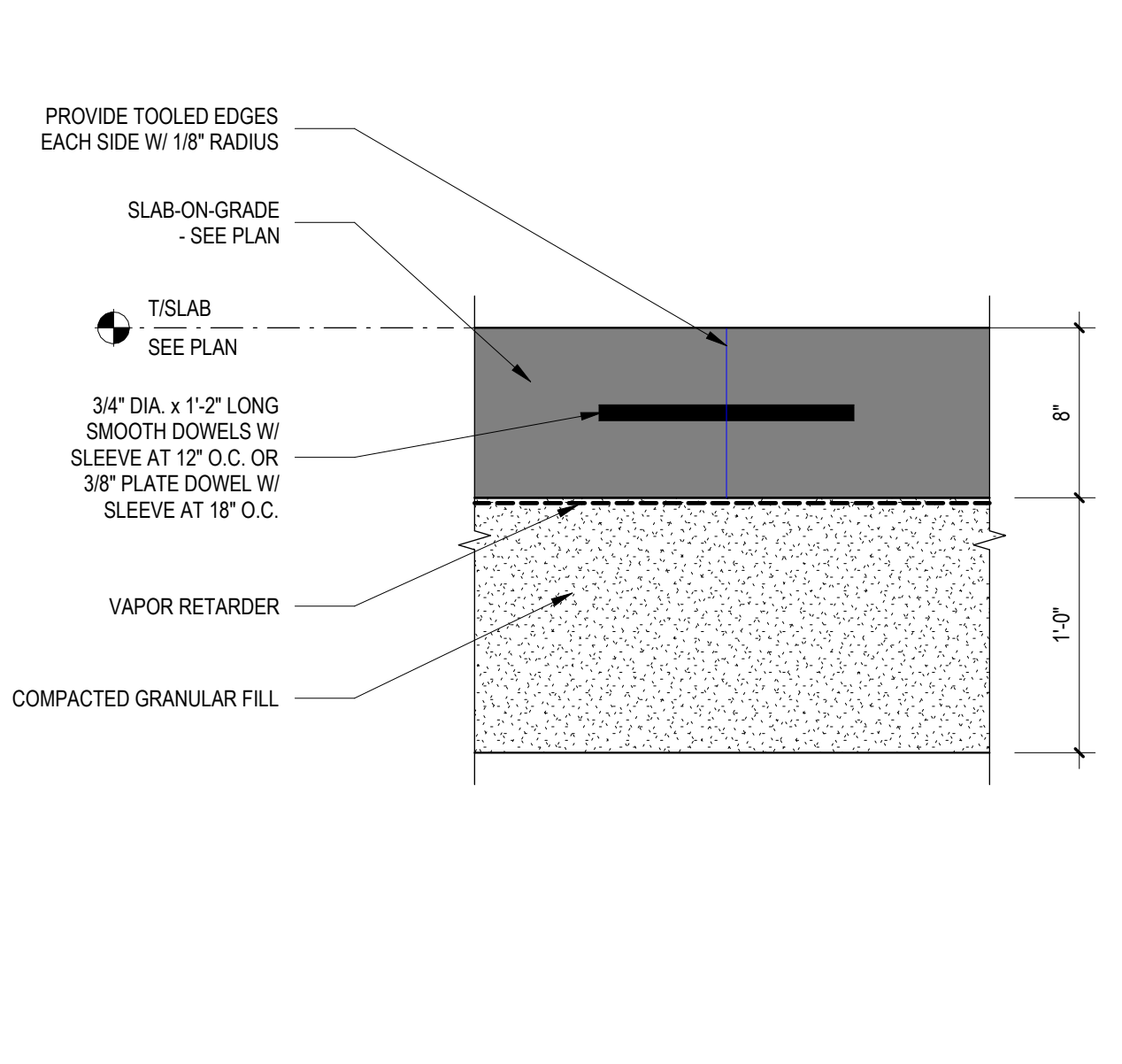
Project number	247017
Date	FEBRUARY 28, 2024

S103.2

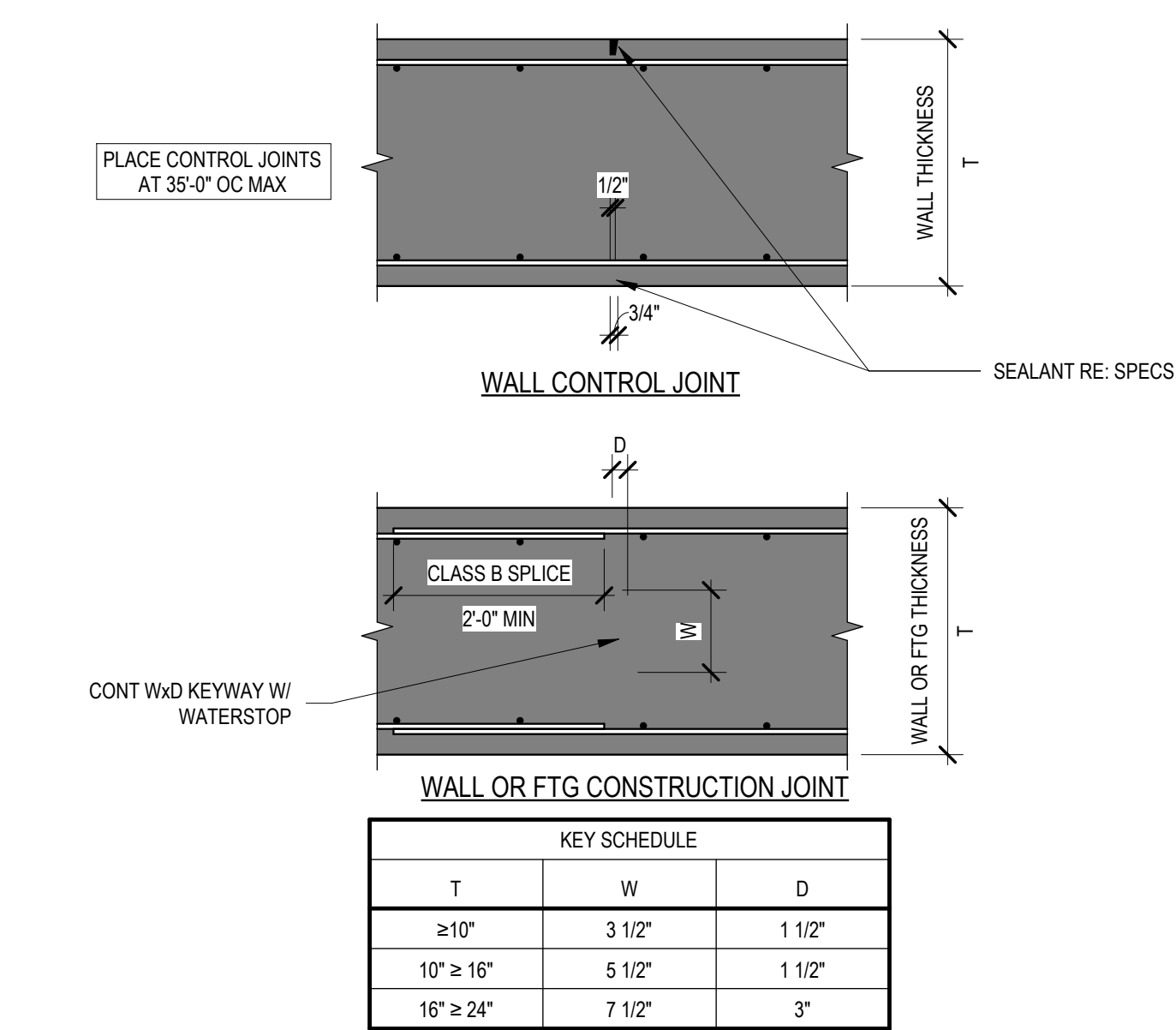
1 ROOF FRAMING PLAN
1/8" = 1'-0"



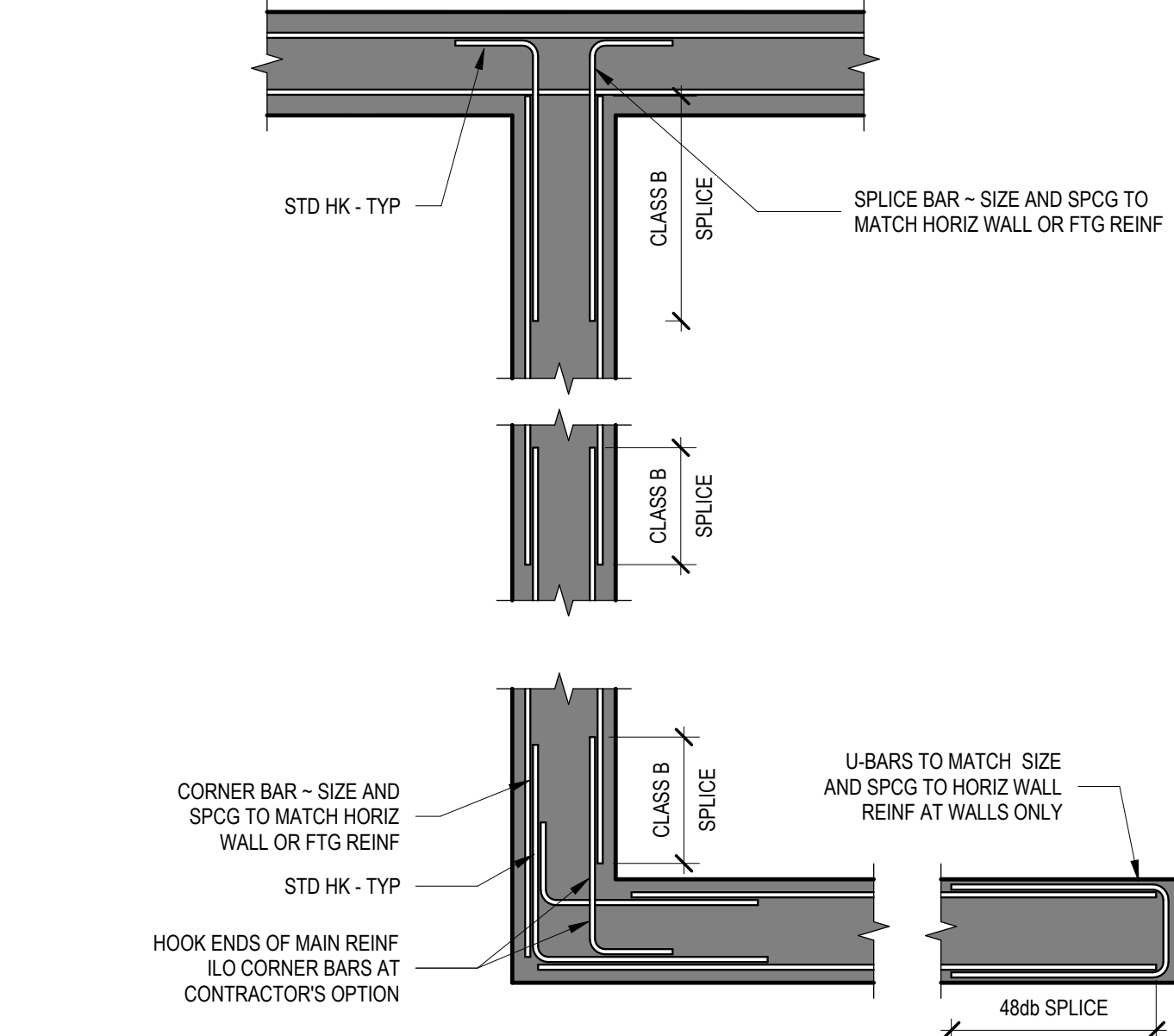
1 TYP. PLANT SLAB CONTROL JOINT
S201.2 1 1/2" = 1'-0"



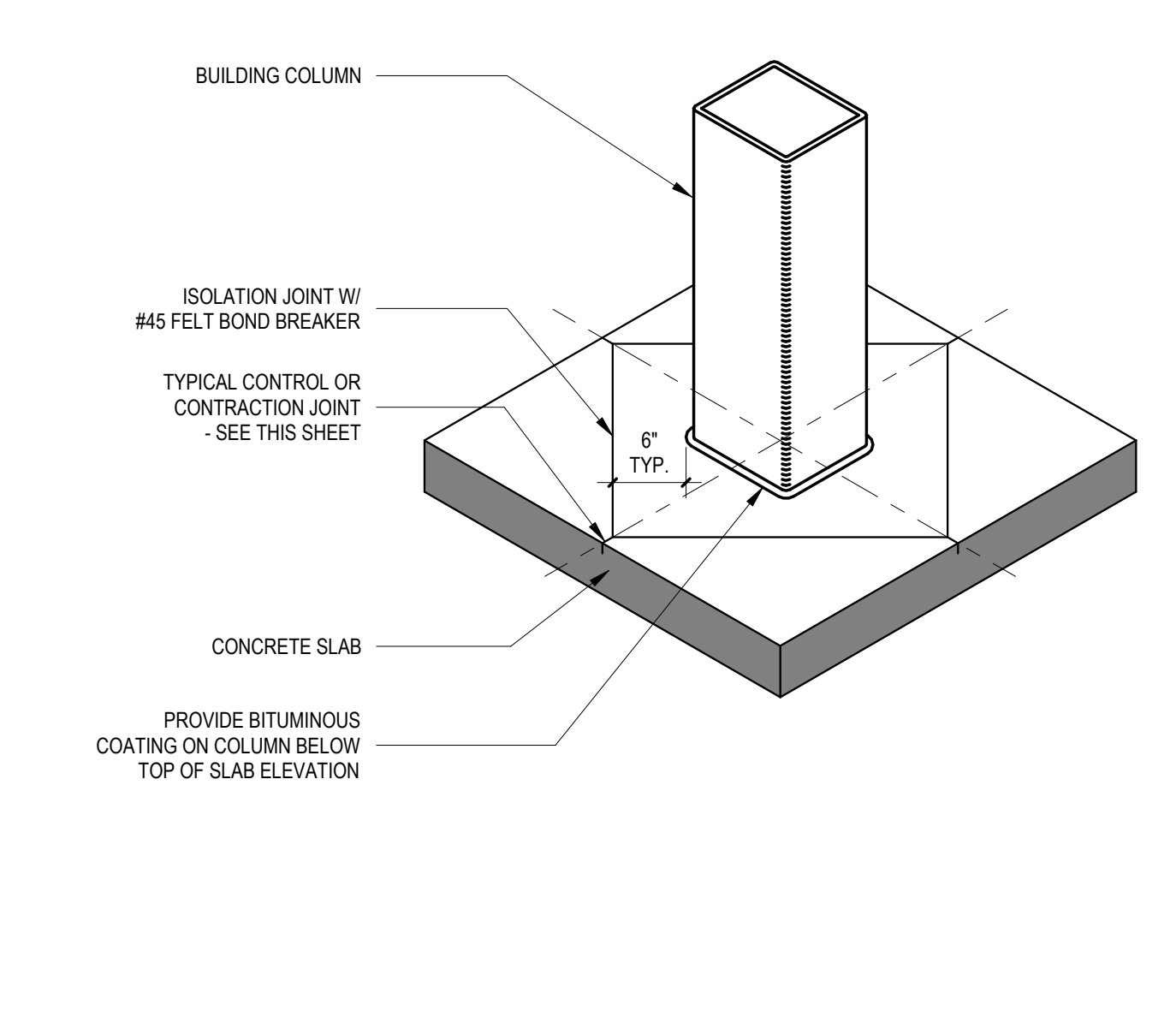
2 TYP. PLANT SLAB CONSTRUCTION JOINT
S201.2 1 1/2" = 1'-0"



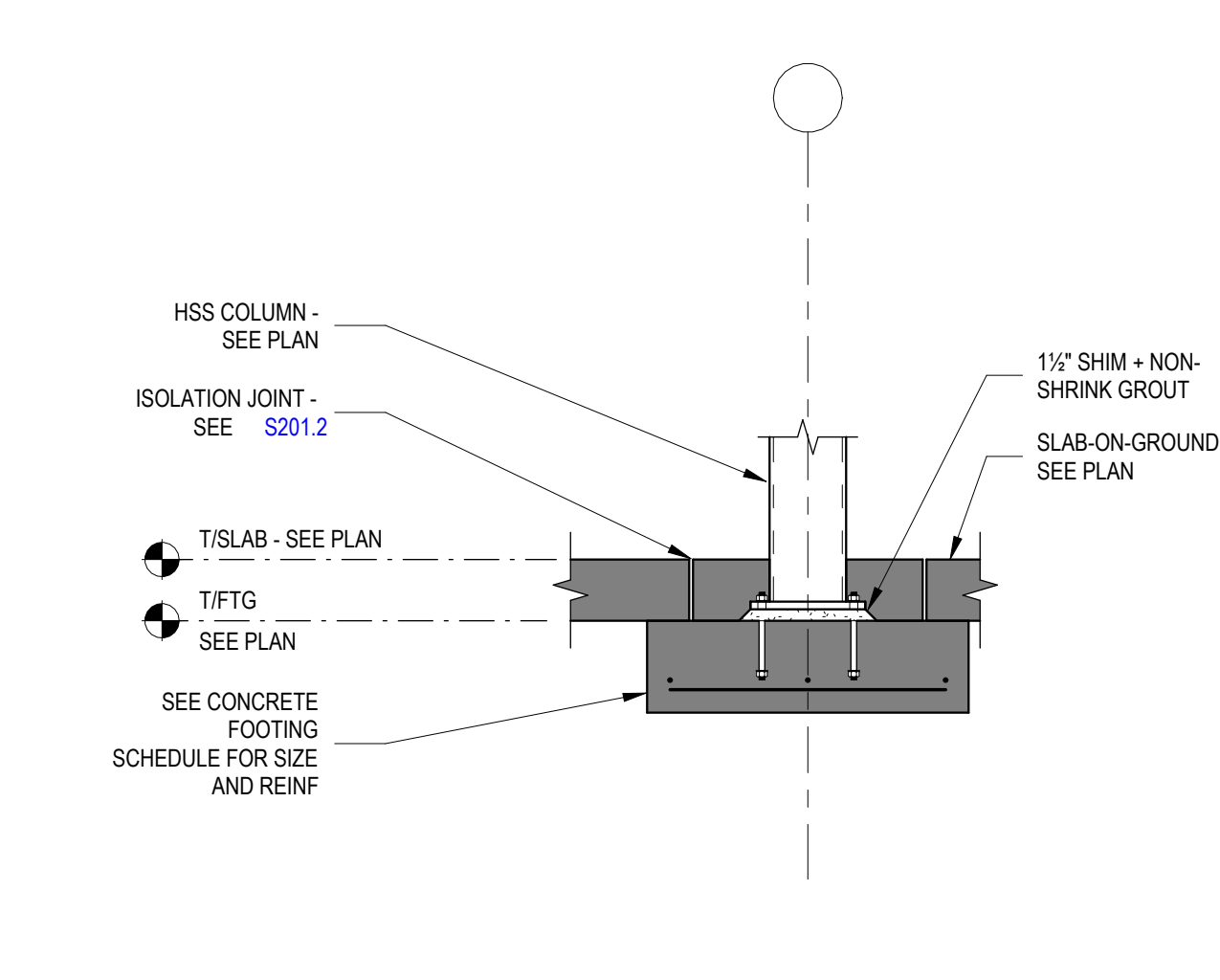
3 TYP CONC WALL/FTG CONST DETAILS
S201.2 3/4" = 1'-0"



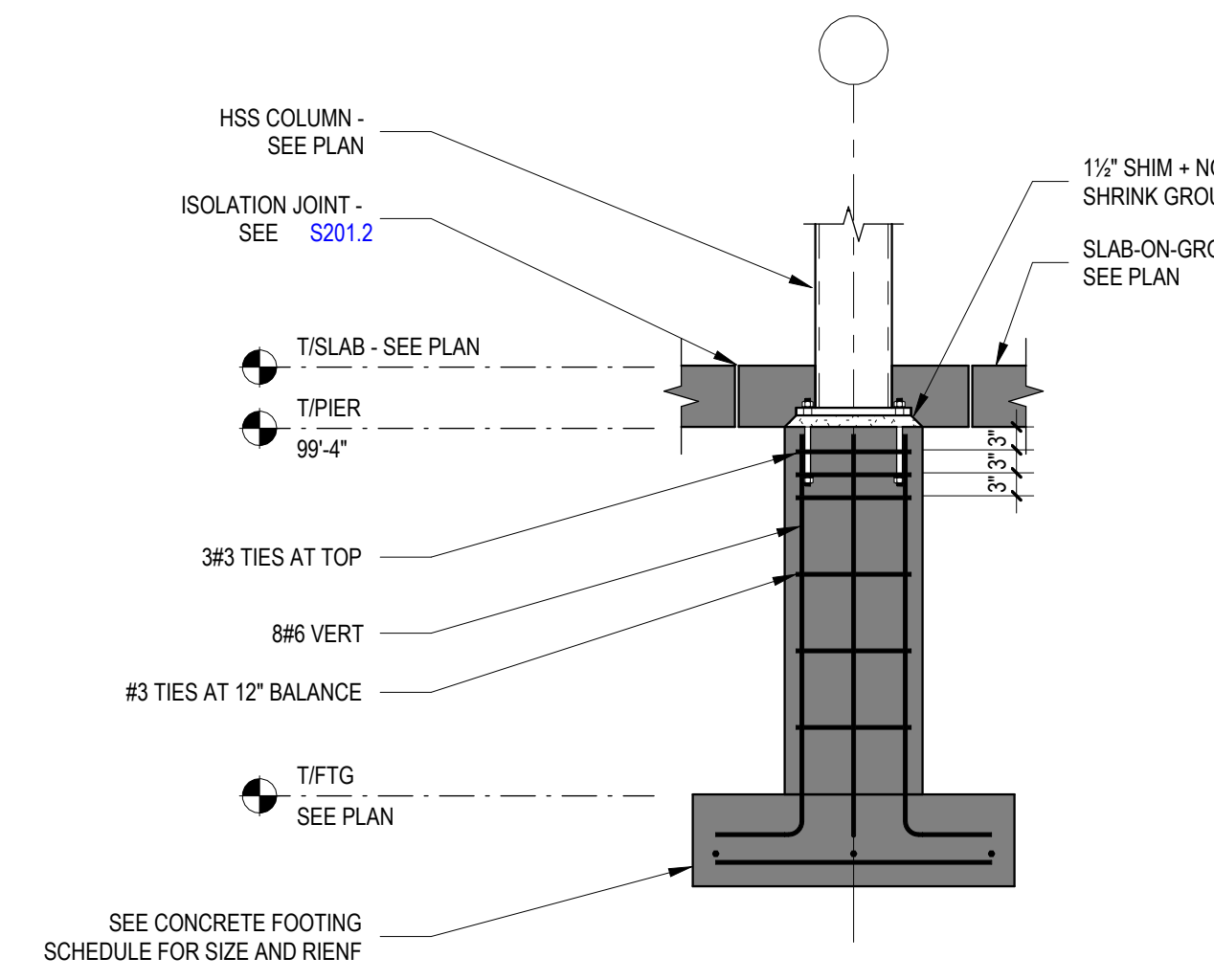
4 TYP CONC WALL OR FTG CONST DETAILS
S201.2 3/4" = 1'-0"



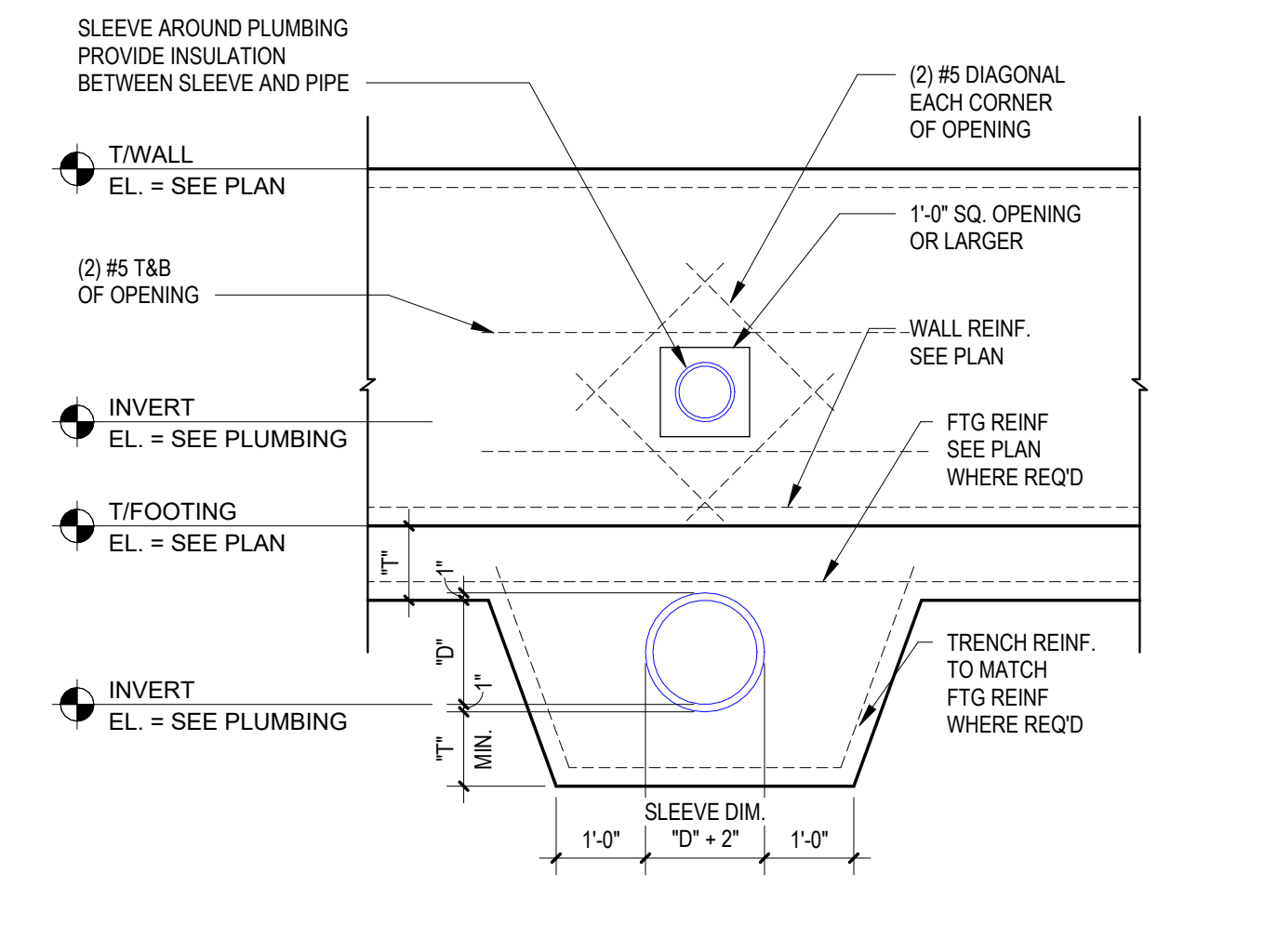
5 COLUMN ISOLATION JOINT
S201.2 1 1/2" = 1'-0"



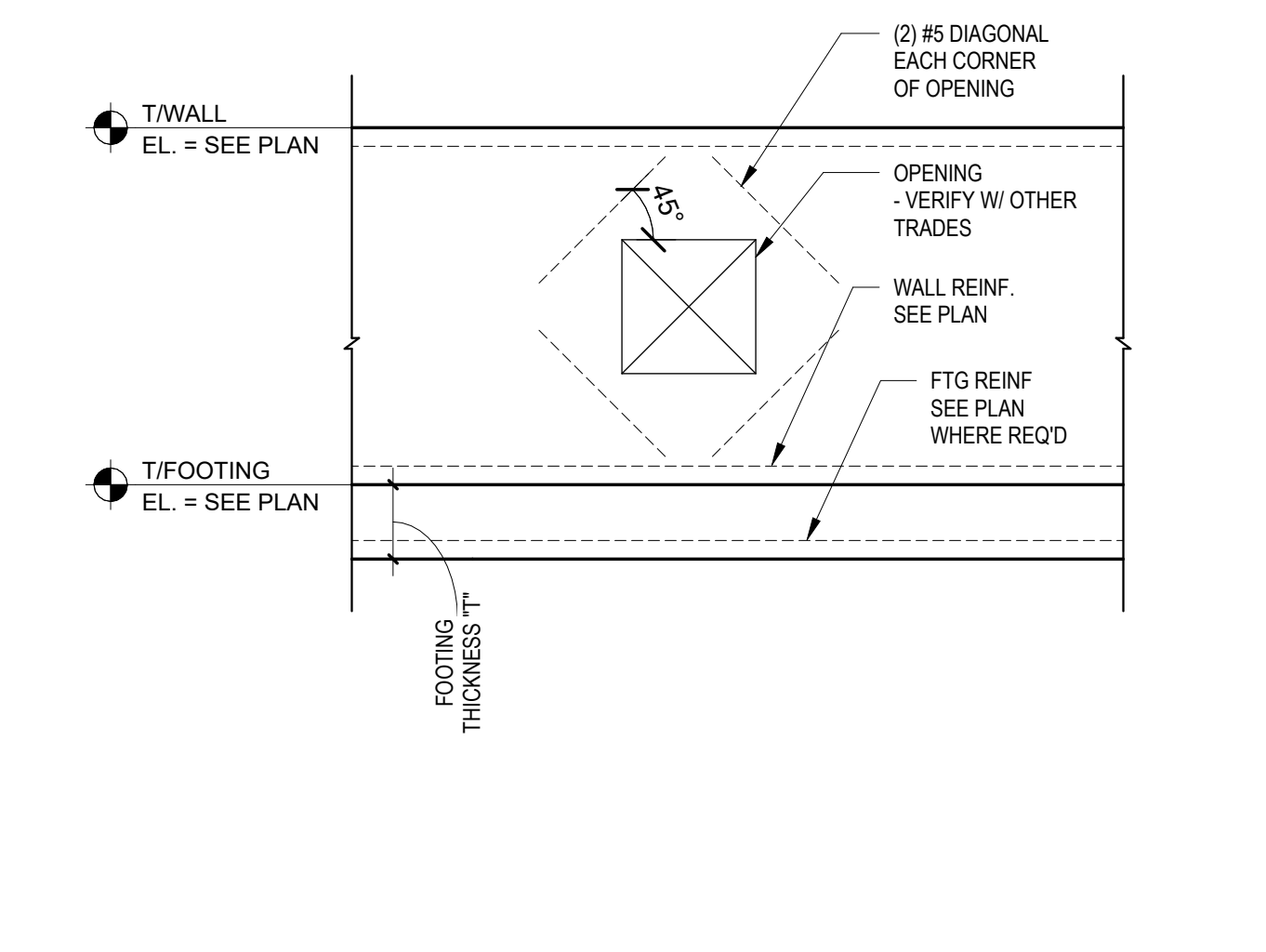
6 COLUMN ON FOOTING
S201.2 1/2" = 1'-0"



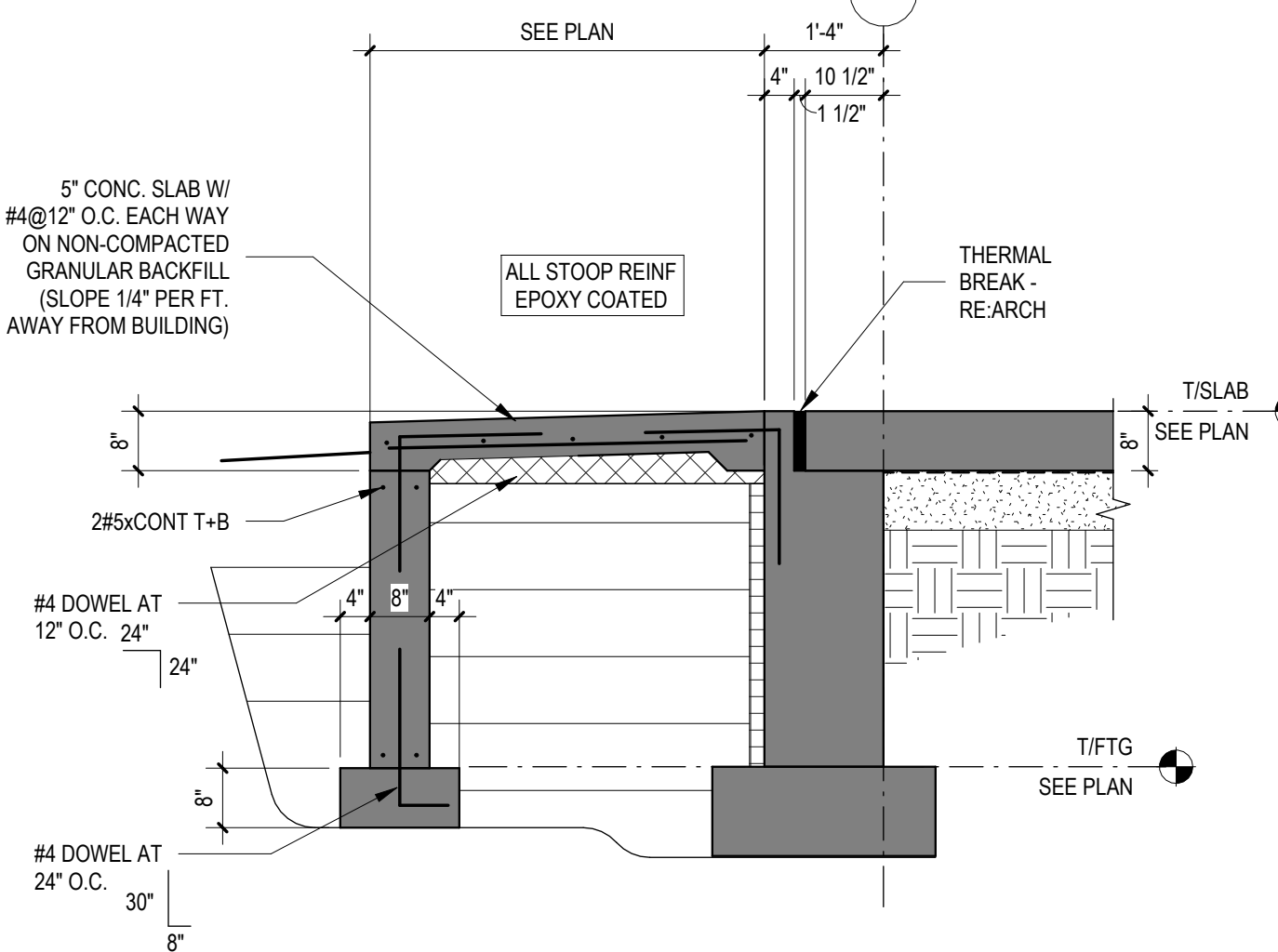
7 COLUMN ON PIER
S201.2 1/2" = 1'-0"



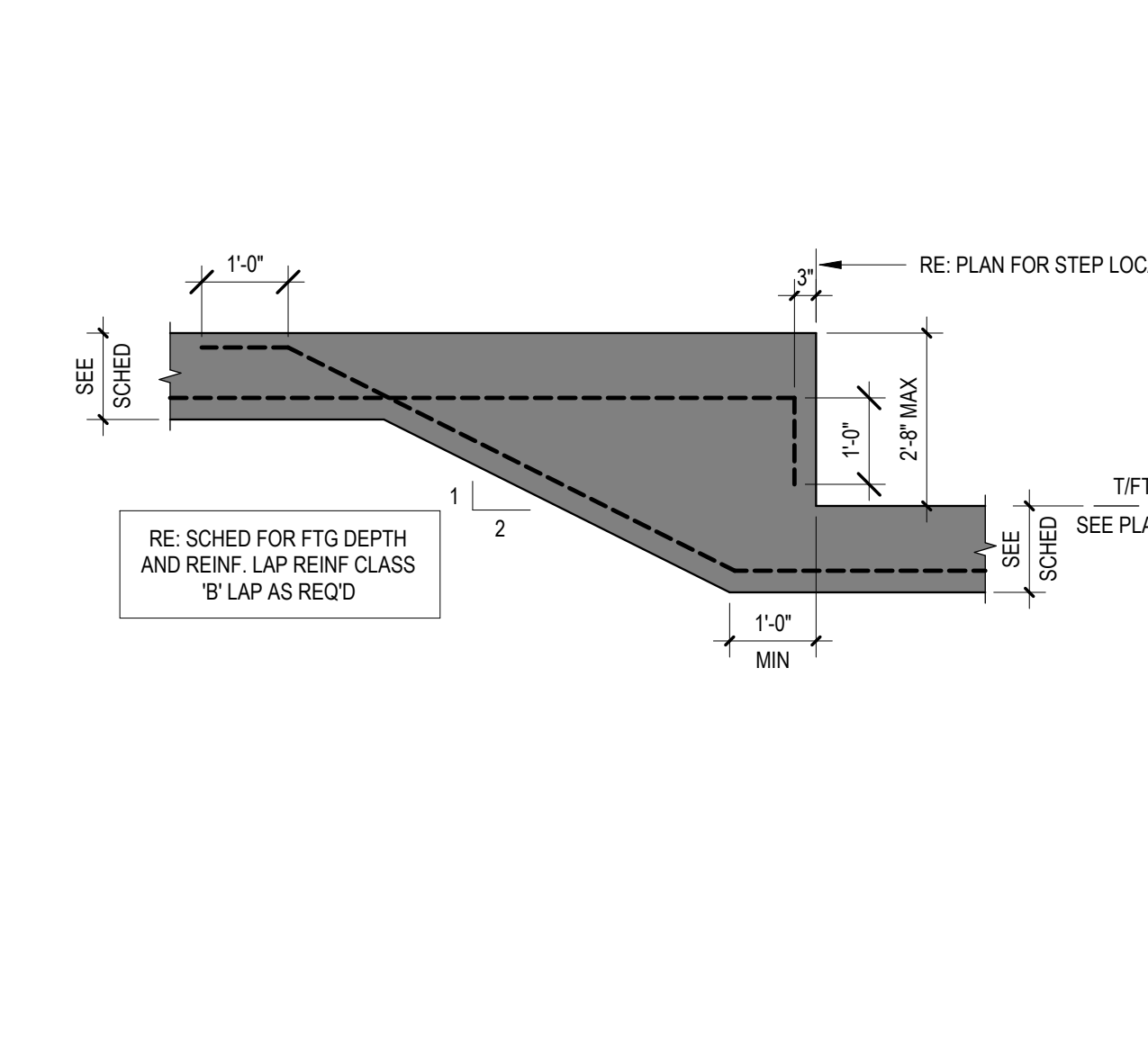
8 PLUMBING SLEEVE
S201.2 1/2" = 1'-0"



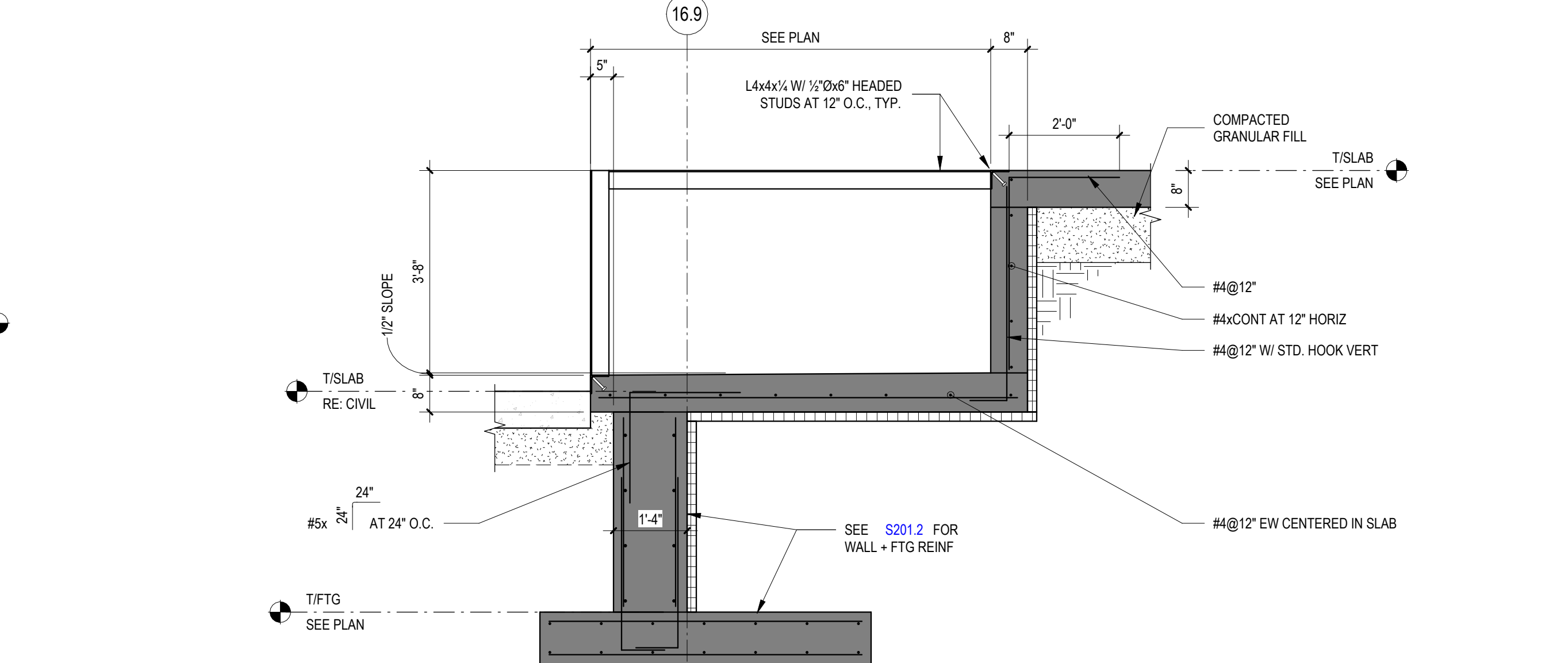
9 FOUNDATION WALL OPENING
S201.2 1/2" = 1'-0"



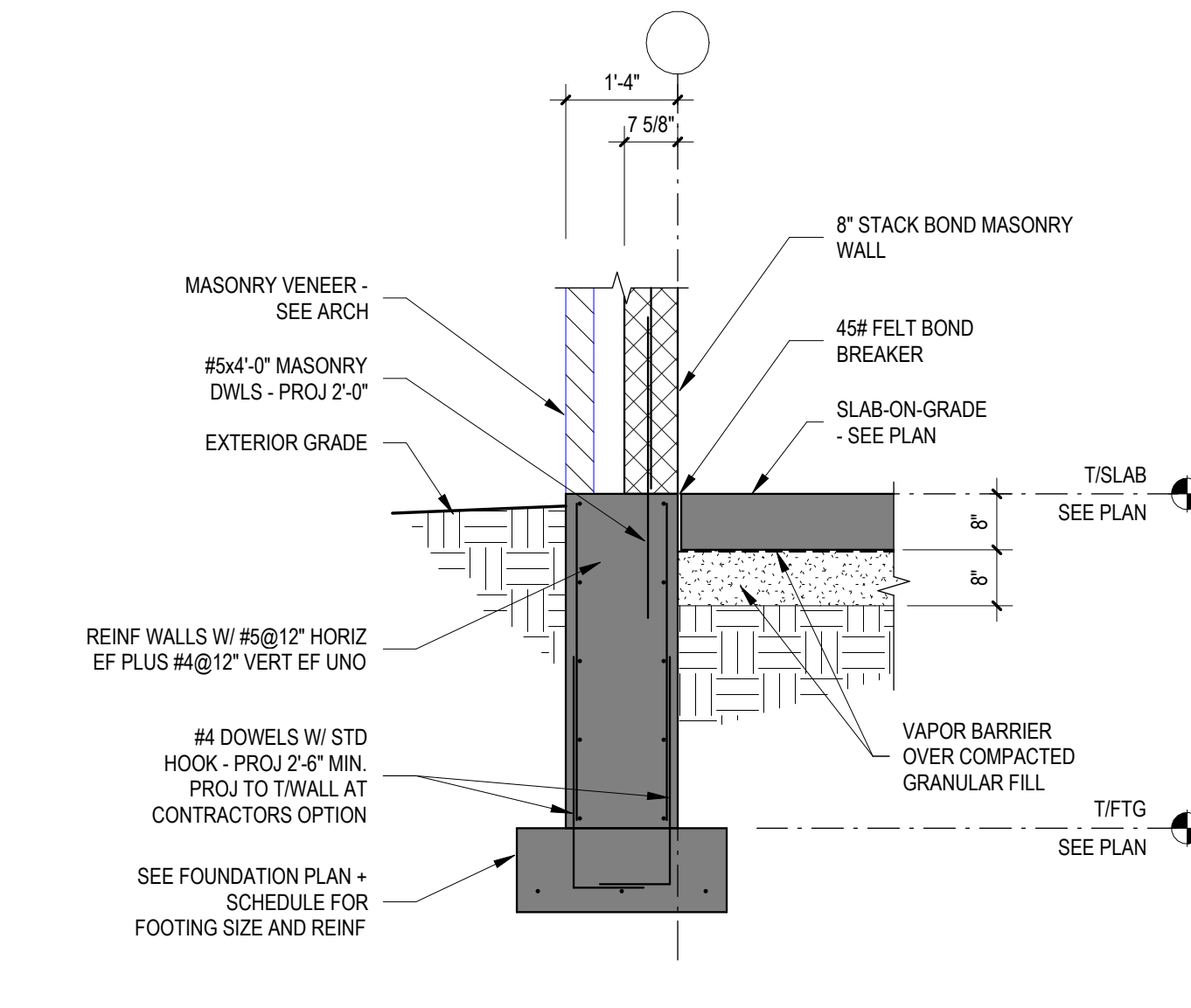
10 CONCRETE STOOP
S201.2 1/2" = 1'-0"



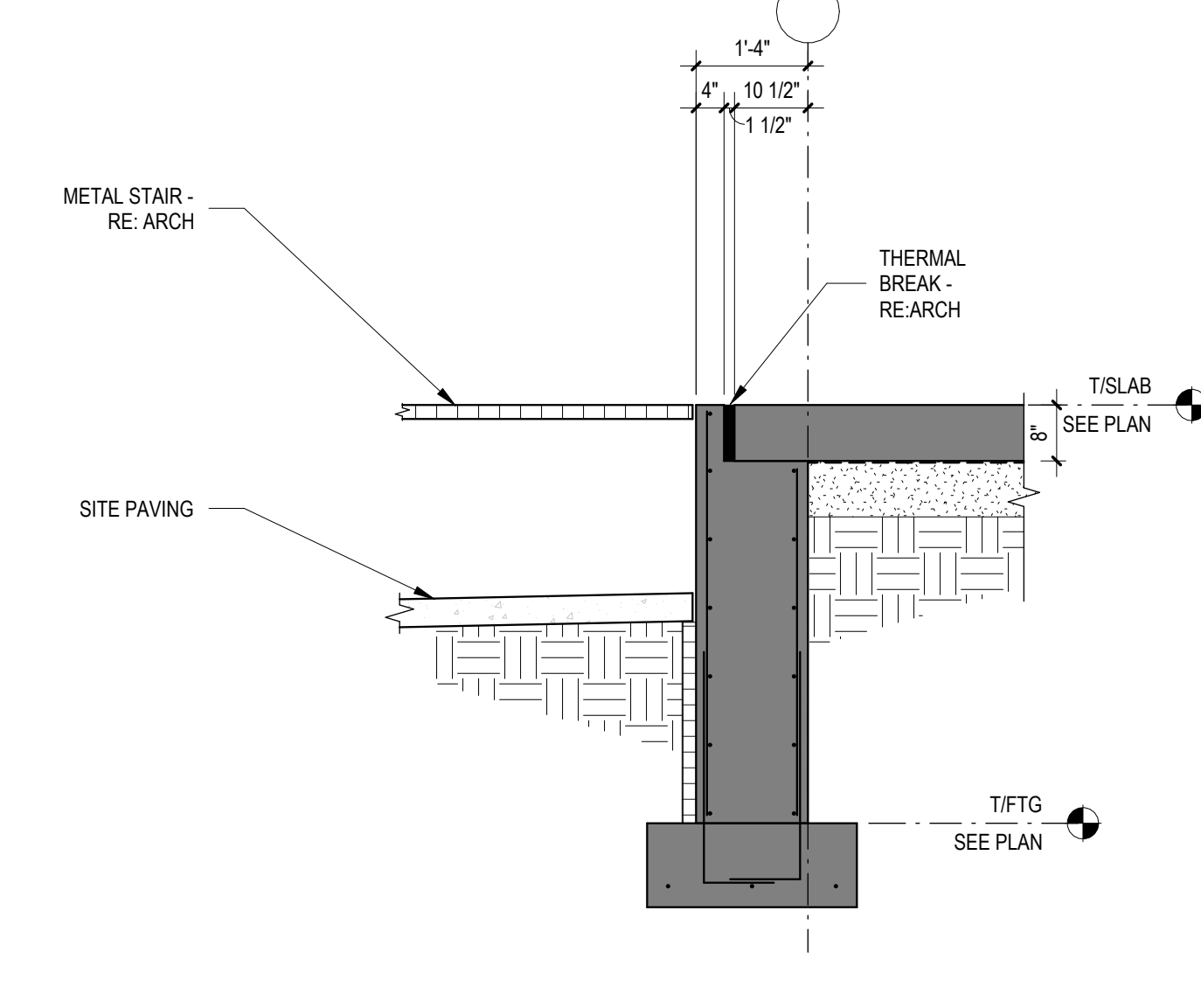
11 TYP. STEP FOOTING
S201.2 1/2" = 1'-0"



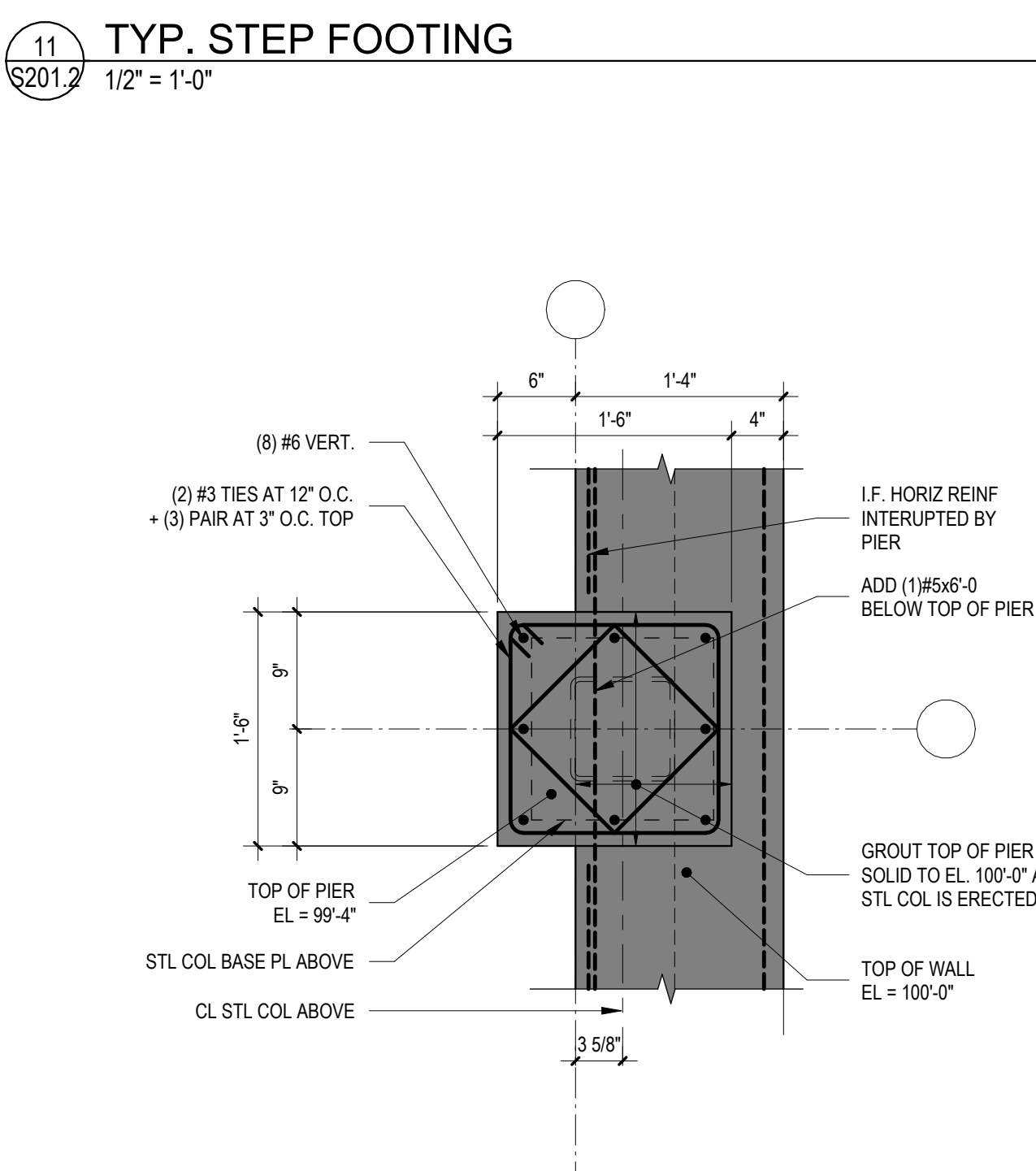
12 LOADING DOCK PIT - PHASE 5
S201.2 1/2" = 1'-0"



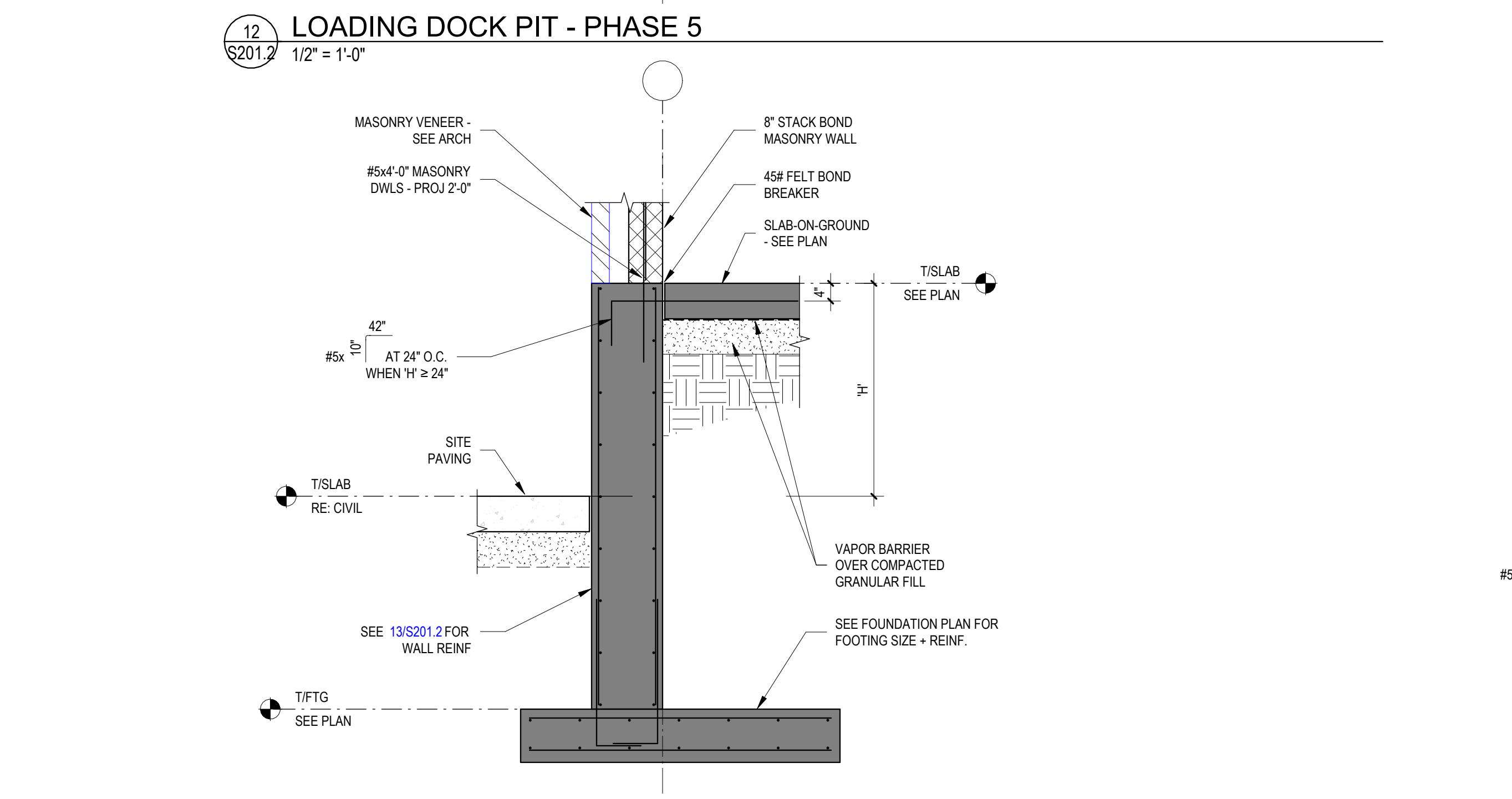
13 TYPICAL FOUNDATION WALL
S201.2 1/2" = 1'-0"



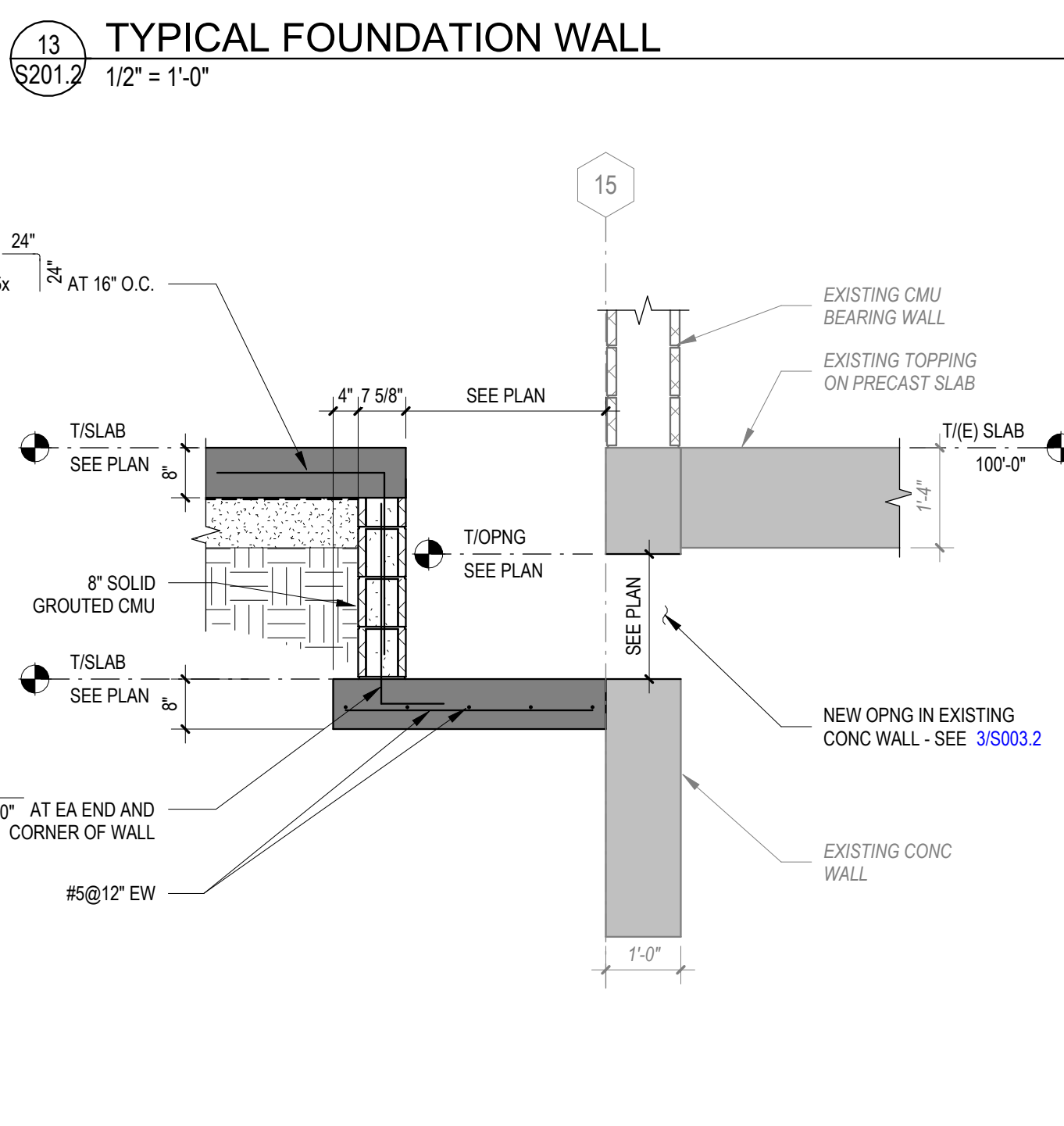
14 FOUNDATION WALL AT EXTERIOR STAIR
S201.2 1/2" = 1'-0"



15 CONCRETE PIER P1
S201.2 1" = 1'-0"



16 TYP RET WALL
S201.2 1/2" = 1'-0"



17 AREA WELL SECTION
S201.2 1/2" = 1'-0"

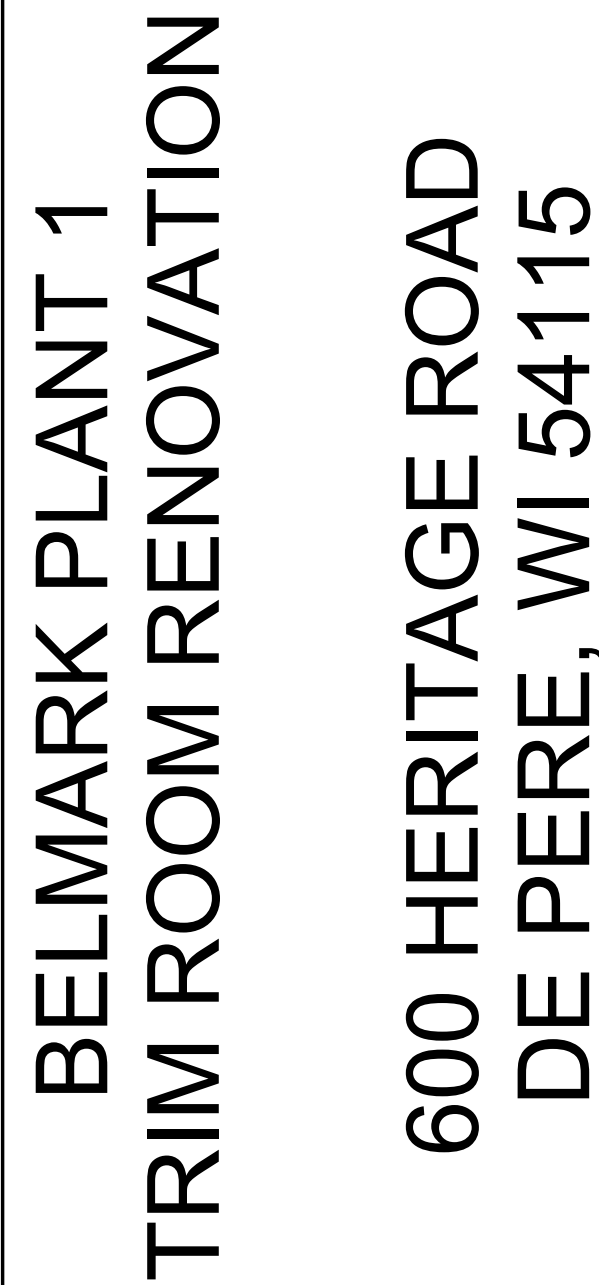
No.	Description	Date

Owner:
BELMARK, INC.
600 HERITAGE ROAD
DE PERE, WI 54115

FOUNDATION DETAILS

Project number 247017
Date FEBRUARY 28, 2024

S201.2



600 HERITAGE ROAD
DE PERE, WI 54115

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

Owner:

BELMARK, INC.
600 HERITAGE ROAD
DE PERE, WI 54115

Project number	247017
Date	FEBRUARY 28, 2024

S301.2

INFORMATION SHOWN ON THESE DRAWINGS, WITH RESPECT TO EXISTING CONDITIONS, TO THE BEST OF OUR KNOWLEDGE, REPRESENT THE GENERAL AND CURRENT FIELD CONDITIONS. ZS MAKES NO WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF ANY AND ALL EXISTING CONDITIONS SHOWN ON THESE DRAWINGS. CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS RELATED TO THE NEW WORK AND REPORT TO THE AE FOR REVIEW ANY DISCREPANCIES BEFORE PERFORMING ANY WORK. ANY WORK PERFORMED PRIOR TO AE REVIEW AND SUBSEQUENT RESOLUTION OF DISCREPANCIES BY THE AE IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST OR BURDEN TO THE CONTRACT.



E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL

A

PROJECT NUMBER 923674

1ST FLR
DEMOLITION PLAN

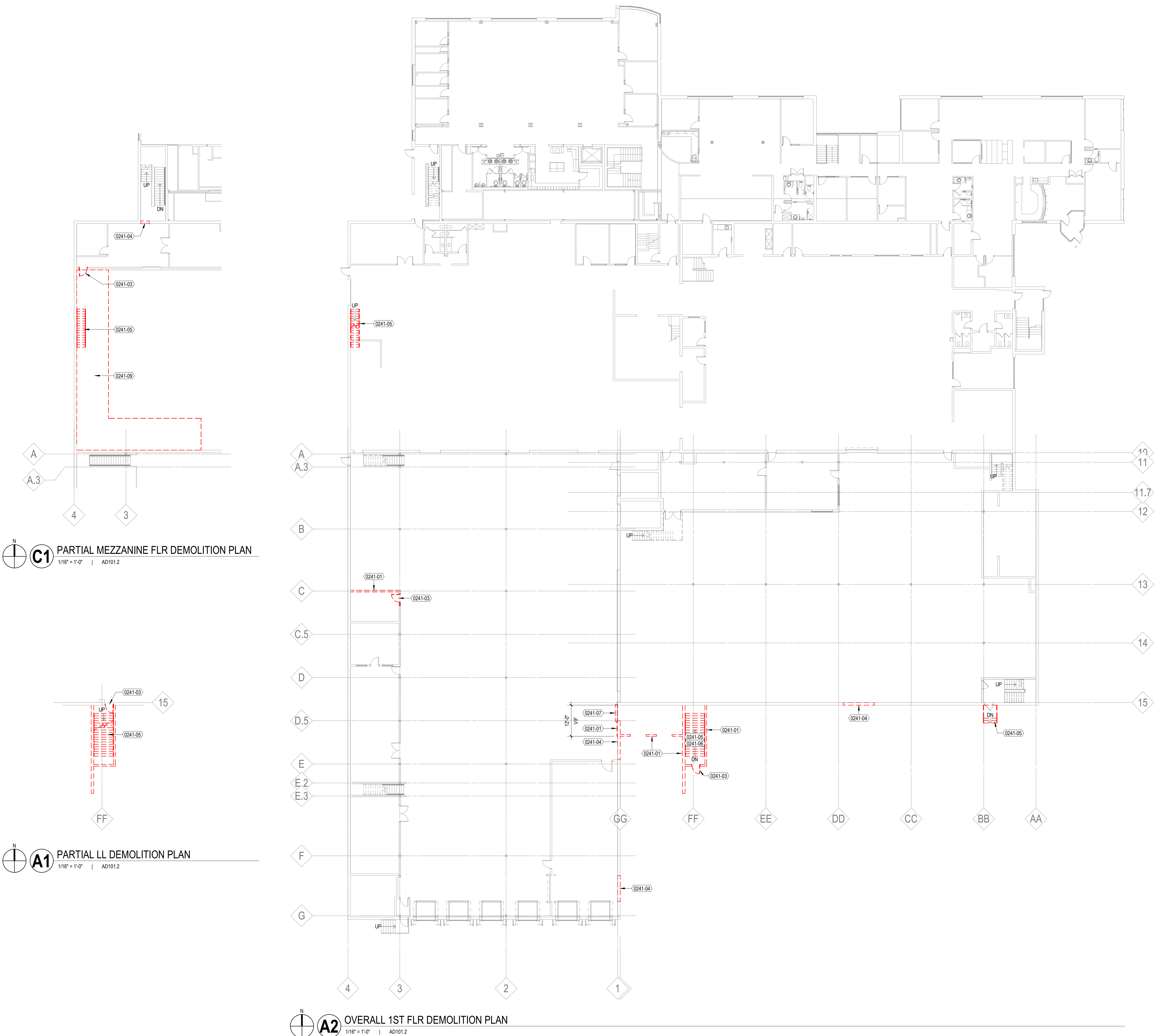
AD101.2

SHEET NOTES - DEMOLITION

1. PRIOR TO BEGINNING WORK, NOTIFY ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED BETWEEN THE PROPOSED SCOPE OF WORK AND THE EXISTING CONDITIONS.
2. CONTRACTOR TO COORDINATE DEMOLITION WORK WITH NEW CONSTRUCTION AS SHOWN ON DRAWINGS. REPORT ANY CONFLICTS TO ARCHITECT BEFORE DEMOLITION WORK BEGINS.
3. SEE MEP PLANS (IF AVAILABLE) FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. SCOPE OF DEMOLITION AND REMOVAL WORK SHALL NOT BE LIMITED BY THESE DRAWINGS BUT SHALL INCLUDE ALL WORK NECESSARY TO FACILITATE NEW CONSTRUCTION.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS, PRODUCTS TO BE USED, AND QUANTITIES REQUIRED.
5. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THIS WORK. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER WILL REMOVE HAZARDOUS MATERIALS UNDER A SEPARATE CONTRACT.
6. REFER TO FINISH PLANS TO IDENTIFY ALL AREAS BEING ALTERED INCLUDING ROOMS WHERE ALTERATIONS ARE LIMITED TO NEW FINISHES. AT ALL ALTERED LOCATIONS, REMOVE ALL INTERIOR AND WALL MOUNTED ITEMS. REMOVE ALL FINISHES AND RESIDUAL GLUE.
7. COORDINATE REMOVAL OF EXISTING CABINETS AND CASEWORK WITH OWNER. SALVAGE OR REMOVE AS DIRECTED.
8. COORDINATE REMOVAL OF EXISTING DOORS, FRAMES AND HARDWARE WITH OWNER. SALVAGE OR REMOVE AS DIRECTED.
9. REMOVE AND SALVAGE THE FOLLOWING ITEMS UNLESS SPECIFICALLY DIRECTED BY THE OWNER: MEDICAL EQUIPMENT, WINDOW TREATMENTS, CASEWORK, SECURITY DEVICES, SIGNAGE, NURSE CALL SYSTEM, ARTWORK, TELEVISIONS, TOILET ACCESSORIES, FULL CEILING TILES IN GOOD CONDITION, CROWN MOLDING, CHAIR RAILS, OTHER WOOD TRIM, BUMPER RAILS, CUBICLE CURTAINS AND/OR TRACKS, RAILINGS AND LIGHT FIXTURES.
10. VERIFY EXTENT OF EXISTING LEAD SHIELDING. SALVAGE AND TURN OVER TO THE OWNER (PER OWNER'S DIRECTIVES) OR DISPOSE OF LEAD ACCORDING TO APPLICABLE LAWS.
11. CONTRACTOR TO PROTECT AREAS ADJACENT TO DEMOLITION. ANY INADVERTENT DAMAGE DONE TO ADJACENT AREAS NOT SPECIFICALLY SCHEDULED FOR DEMOLITION SHALL BE REPLACED BY THE CONTRACTOR AT NO CHARGE TO THE OWNER.
12. BUILDING TO REMAIN OPERATIONAL DURING REMODELING/ CONSTRUCTION. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION BARRIERS TO CONTROL DUST AND PROTECT THE PUBLIC FROM HARM FOR THE DURATION OF ALL CONSTRUCTION WORK. PROPER EGRESS TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 13.

KEYNOTES PER SHEET

0241-01	REMOVE EXISTING MASONRY WALL
0241-03	REMOVE EXISTING DOOR AND FRAME
0241-04	REMOVE PORTION OF WALL FOR NEW OPENING, COORDINATE WITH NEW CONSTRUCTION
0241-05	REMOVE EXISTING STAIR
0241-06	REMOVE EXISTING ROOF ABOVE
0241-07	REMOVE EXISTING HIGH SPEED DOOR
0241-09	REMOVE EXISTING MEZZANINE



KEYNOTES PER SHEET	
0241-08	REMOVE EXISTING ROOF BALLAST, ROOFING MEMBRANE AND INSULATION DOWN TO DECK. DECK TO REMAIN
0241-10	REMOVE EXISTING ROOF EDGE



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

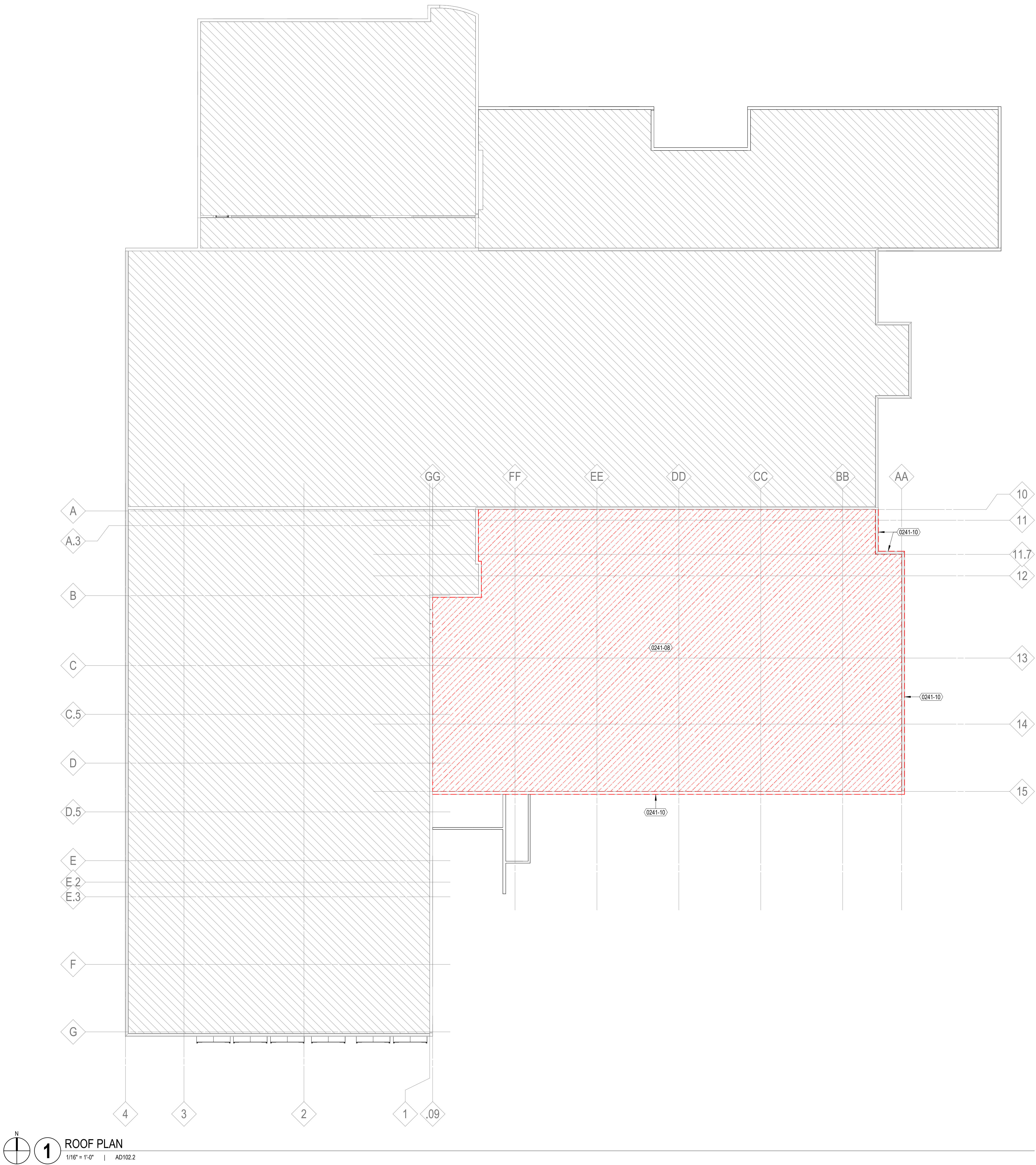
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	MVL
PROJECT NUMBER	923674

ROOF DEMOLITION
PLAN

AD102.2

© 2024 Epstein Uhen Architects, Inc.



1 ROOF PLAN
1/16" = 1'-0" | AD102.2



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL

PROJECT NUMBER 923674

A

**BUILDING SYSTEMS
& NOTES,
PARTITION TYPES**

A000.2

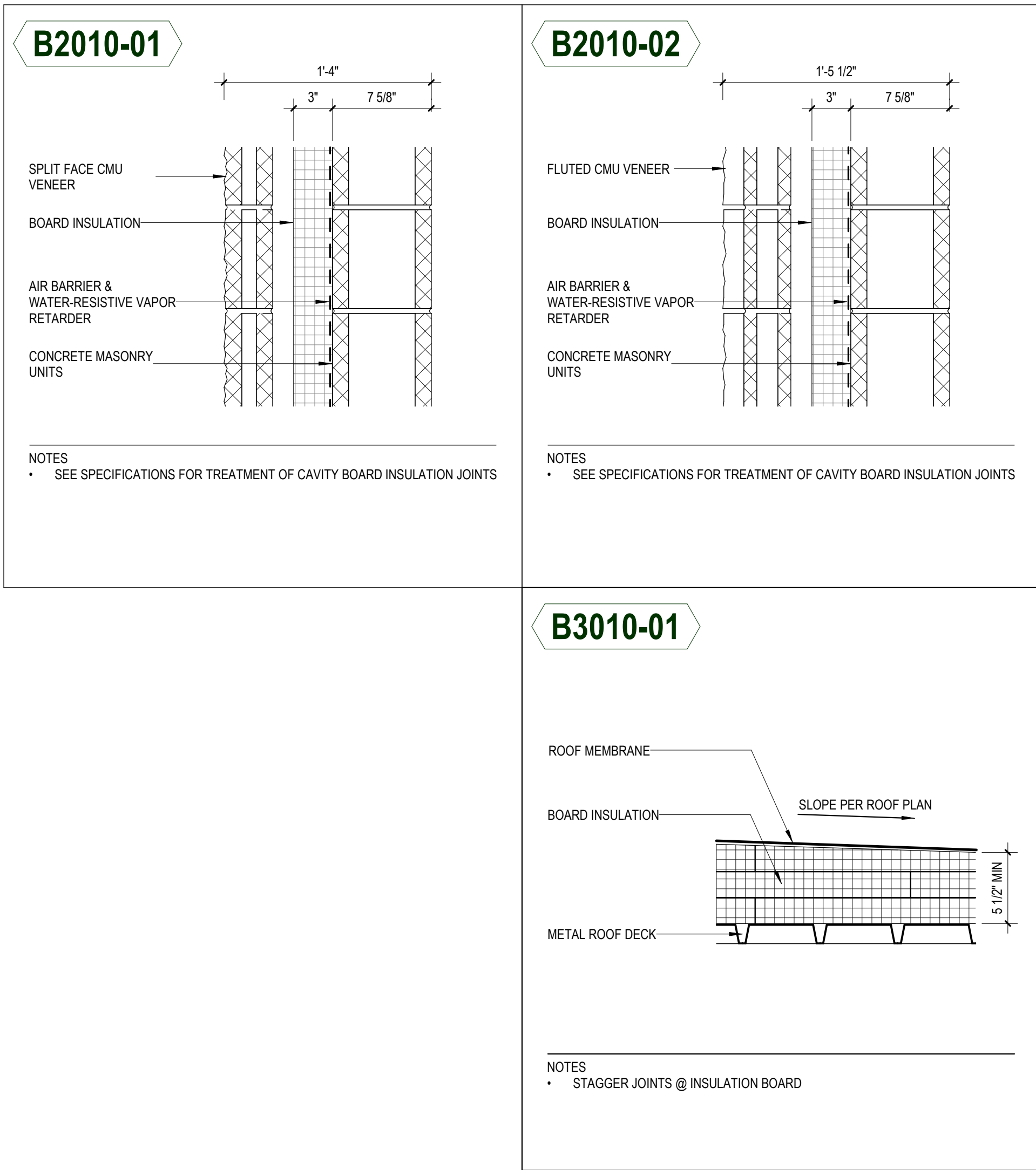
© 2024 Epstein Uhen Architects, Inc.

SHEET NOTES - PARTITION TYPES

- REFER TO LIFE SAFETY SHEETS (G-SERIES) FOR WALL RATINGS, LOCATIONS AND REQUIREMENTS.
- PROVIDE MOISTURE- AND MOLD-RESISTANT GYP BD ON WALLS AT ALL WET LOCATIONS, INCLUDING BUT NOT LIMITED TO, TOILET ROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, SHOWERS, DRINKING FOUNTAINS, SINKS, LAVATORIES AND ELEVATORS.
- MAINTAIN RATED WALL ASSEMBLIES BEHIND PREFABRICATED SHOWER/BATH ENCLOSURES AT RATED WALL LOCATIONS.
- REPLACE GYP BD LAYER WITH CEMENTITIOUS BACKER BOARD WHERE WALLS ARE SCHEDULED TO RECEIVE CERAMIC TILE OR SOLID SURFACE WALL CLADDING.
- PROVIDE UL LISTING FIRESTOP ASSEMBLIES AT ALL PENETRATIONS AND OPENINGS THROUGH RATED WALL ASSEMBLIES TO MATCH FIRE/SMOKE RATING.
- SEAL ALL PENETRATIONS AND OPENINGS, INCLUDING WALL PERIMETER, AT SOUND-RATED WALLS.
- WALL FRAMING AT FIRE/SMOKE DAMPER LOCATIONS SHALL BE COORDINATED WITH DAMPER MANUFACTURER INSTALLATION REQUIREMENTS.

SHEET NOTES - CONSTRUCTION

- ALL WORK OF THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING LAWS, CODES, ORDINANCES, RULES AND REGULATIONS OF THE VILLAGE, COUNTY, STATE AND GENERAL JURISDICTION < INCLUDING REQUIREMENTS OF THE FEDERAL HOUSING ADMINISTRATION >.
- THE DRAWINGS ARE NOT TO BE SCALED.
- MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, FITTING OR PATCHING THAT MAY BE REQUIRED TO COMPLETE THE WORK.
- ALL PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS AND SHALL IMMEDIATELY NOTIFY ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL PATCHING OF DISTURBED EXISTING CONDITIONS REQUIRED TO MAINTAIN FIRE RATINGS. FIELD VERIFICATION OF EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CHANGE ORDERS FOR THIS TYPE OF WORK WILL NOT BE HONORED.
- VERIFY ALL ROUGH-IN DIMENSIONS FOR ALL BUILT-IN EQUIPMENT PRIOR TO PERFORMING WORK.
- CONTRACTOR SHALL PROVIDE FIRE-TREATED BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES AND OTHER DEVICES.
- PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRESTOPPED USING UL TESTED OR EQUIVALENT TESTING AGENT MATERIALS. METHODS AND ASSEMBLIES AND MUST PASS LOCAL AUTHORITY INSPECTION.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
- UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.



S#A
S22

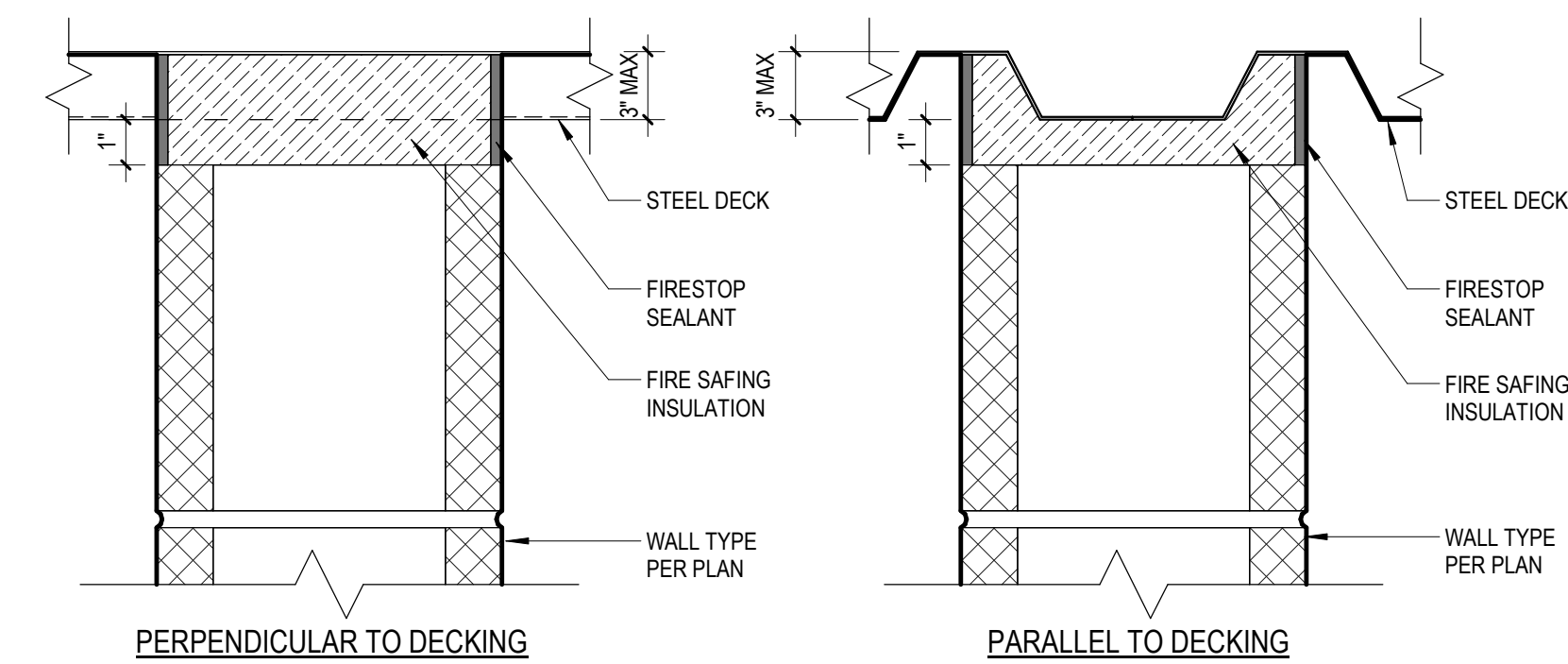
M#A

PARTITION #	DESCRIPTION	WIDTH	REF TEST	STC
-	-	-	-	-
S1A - S22	1-5/8" MTL STUDS	4-1/8"	-	-
S2A - S22	2-1/2" MTL STUDS	5"	UL U411	-
S3A - S22	3-5/8" MTL STUDS	6-1/8"	UL U411	54
S4A - S22	4" MTL STUDS	6-1/2"	UL U411	54
S6A - S22	6" MTL STUDS	8-1/2"	UL U411	55

S#A
S22

M#A

PARTITION #	DESCRIPTION	WIDTH	REF TEST	STC SOLID	STC HOLLOW
M2A	2" CONC MASONRY UNIT	1-5/8"	-	-	-
M4A	4" CONC MASONRY UNIT	3-5/8"	-	46	44
M6A	6" CONC MASONRY UNIT	5-5/8"	UL U906	49	45
M8A	8" CONC MASONRY UNIT	7-5/8"	UL U907	52	46
M10A	10" CONC MASONRY UNIT	9-5/8"	UL U907	55	48
M12A	12" CONC MASONRY UNIT	11-5/8"	UL U907	59	49



UL SYSTEM # HW-D-0171
1 HR OR 2 HR RATED CMU/CONCRETE PARTITION TO METAL DECK - 1" JOINT (25% COMPRESSION OR EXTENSION)

A3 CMU NON-BEARING WALL / STEEL DECK - 1 HR & 2 HR
3" = 1'-0" | A000.2



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

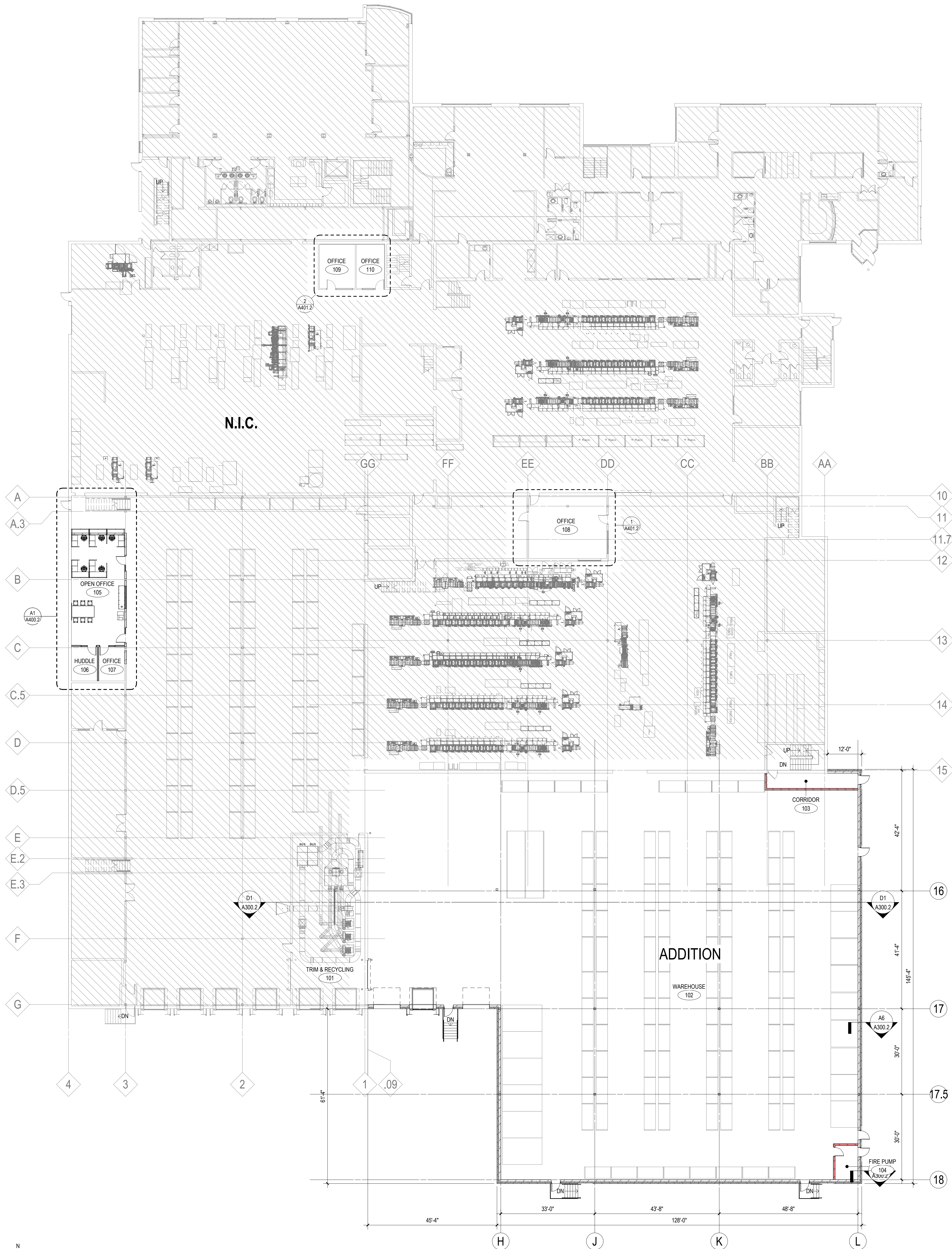
PROJECT MANAGER MVL

PROJECT NUMBER 923674

OVERALL 1ST FLR
PLAN

A101.2

© 2024 Epstein Uhen Architects, Inc.



A2 OVERALL 1ST FLR PLAN
1/16" = 1'-0" | A101.2

1

2

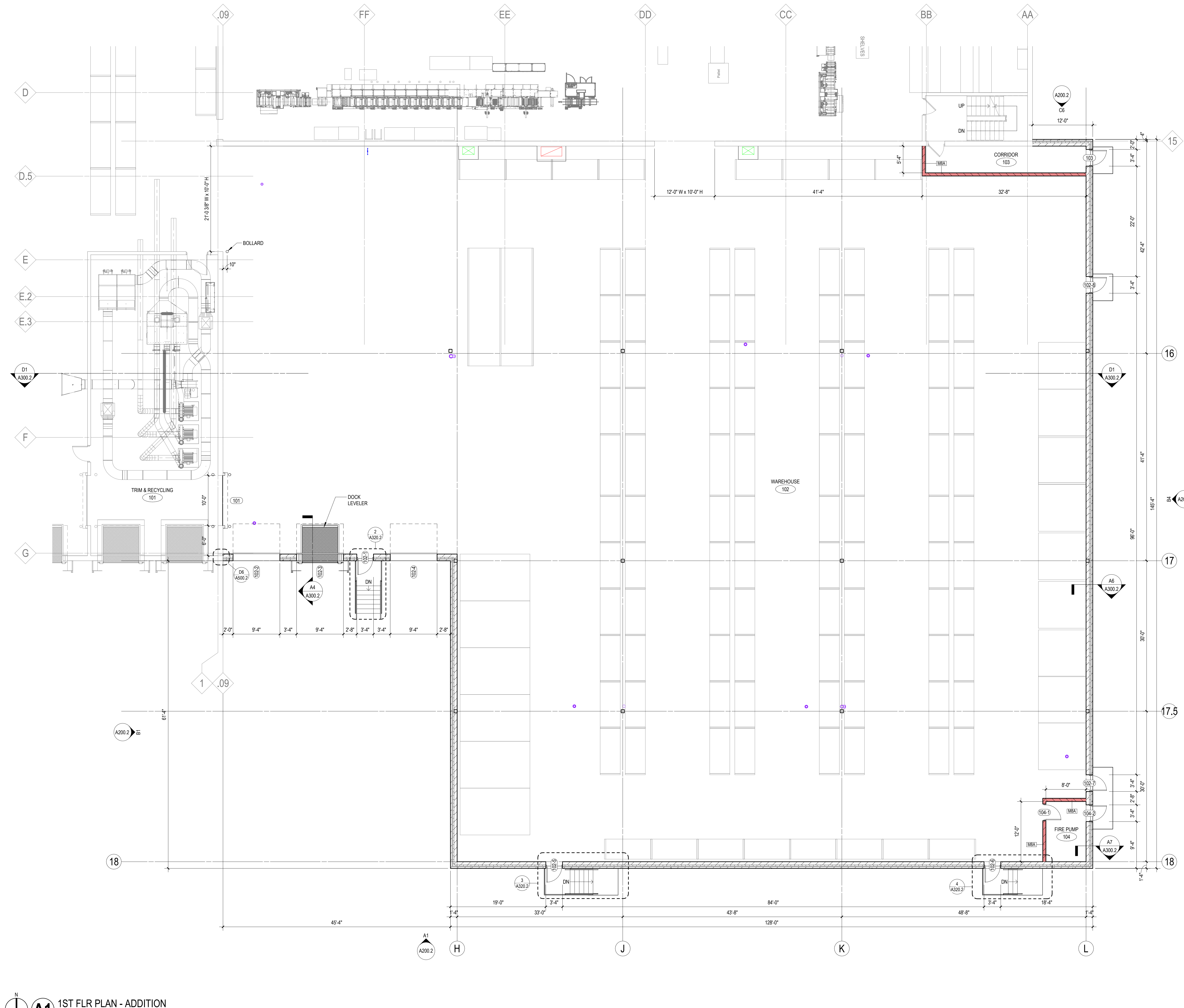
3

4

5

6

7



SHEET NOTES - FLOOR PLAN

1.

BEFORE BEGINNING WORK, VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.

2.

ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE.

3.

LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.

4.

REPAIR, PATCH AND CLEAN ALL EXISTING SURFACES SCHEDULED TO REMAIN THAT ARE AFFECTED BY DEMOLITION OR NEW CONSTRUCTION. MAKE APPEAR NEW, MATCHING ADJACENT CONSTRUCTION. PREPARE ALL SURFACES AS REQUIRED FOR SCHEDULED FINISHES. SKIM COAT AND PREPARE ALL DAMAGED OR UNFINISHED SURFACES.

5.

PATCH ALL WALL BASE SCARS AT EXISTING WALL SURFACES. PREPARE SMOOTH TO RECEIVE NEW WALL BASE FOR UNIFORM APPEARANCE.

euta

milwaukee | madison | green bay | denver | atlanta

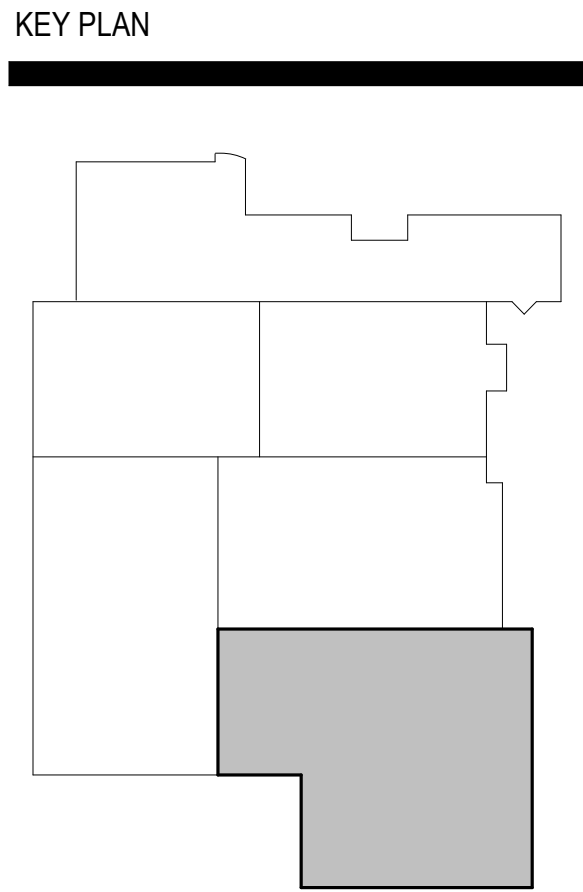
PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------



SHEET INFORMATION

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	MVL
PROJECT NUMBER	923674

1ST FLR PLAN -
ADDITION

A102.2

© 2024 Epstein Uhan Architects, Inc.

N

A1

1ST FLR PLAN - ADDITION

1/8" = 1'-0"

A102.2



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

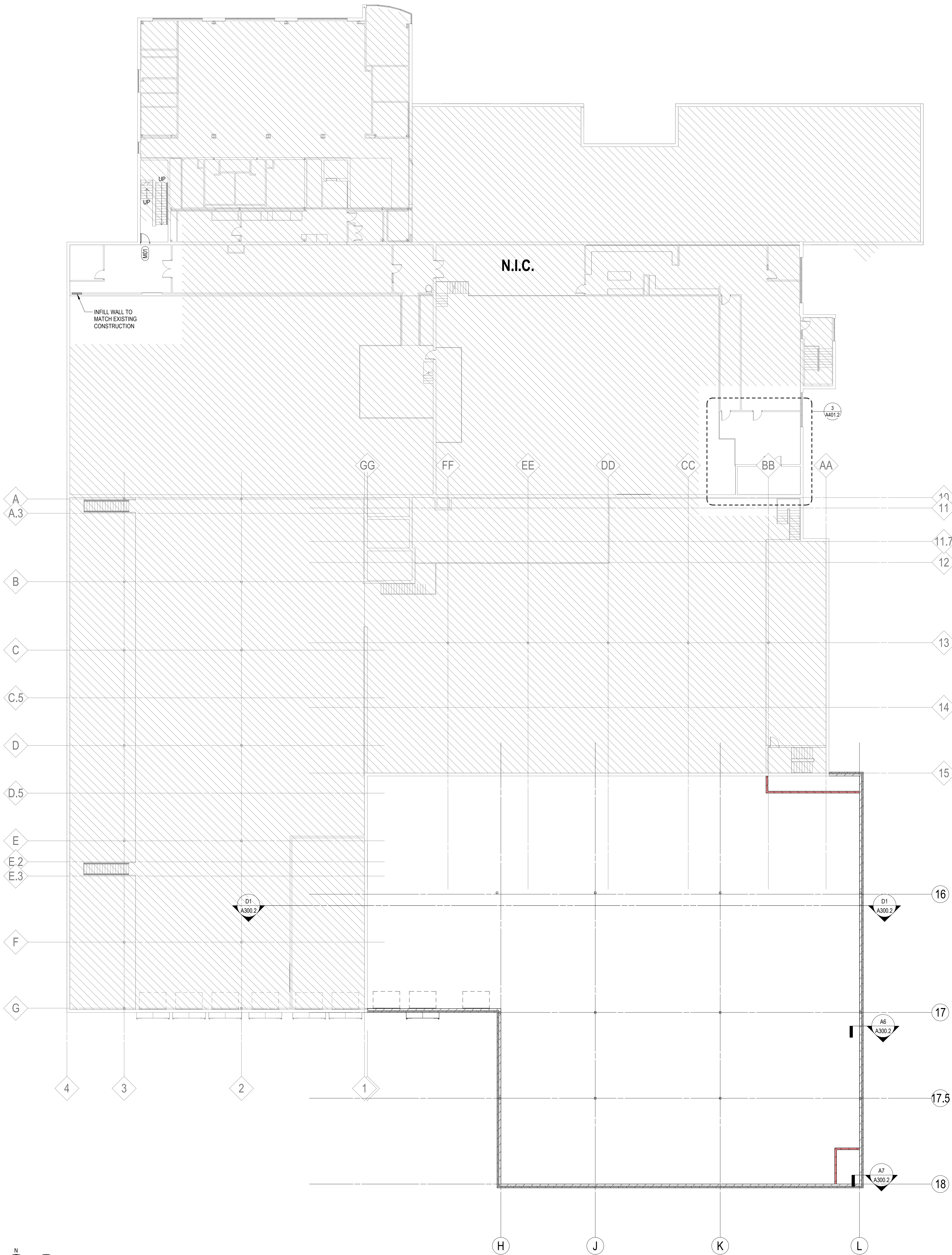
PROJECT MANAGER MVL

A PROJECT NUMBER 923674

OVERALL
MEZZANINE FLR
PLAN

A103.2

© 2024 Epstein Uhen Architects, Inc.



N
A2 OVERALL MEZZANINE PLAN
1/16" = 1'-0" | A103.2

1

2

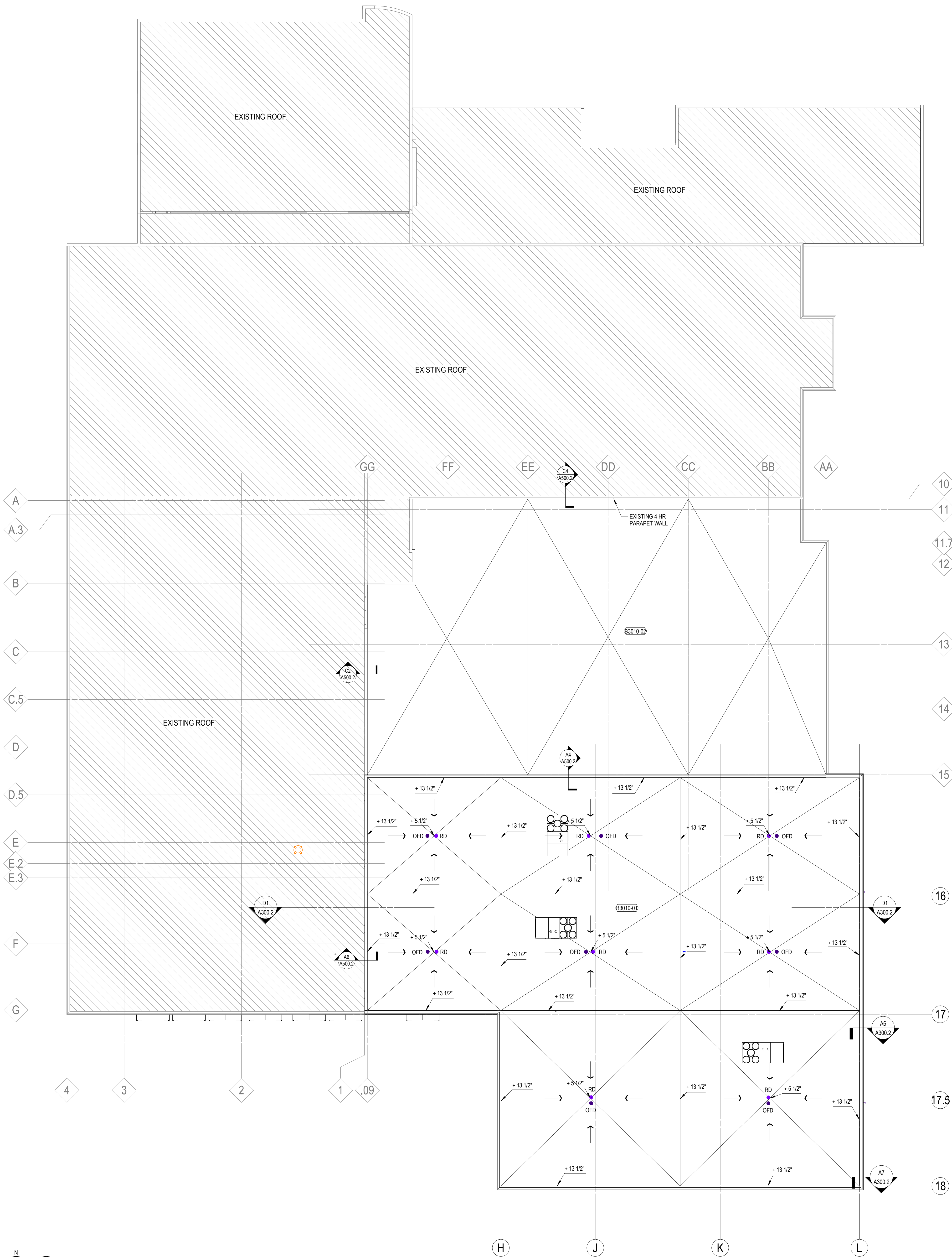
3

4

5

6

7



SHEET NOTES - ROOF PLAN	
1.	ALL CONTRACTORS SHALL COORDINATE AND LOCATE ALL ROOF OPENINGS AND PENETRATIONS WITH STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS.
2.	PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURERS STANDARD DETAILS AND REQUIREMENT FOR WARRANTY AND CURRENT NRCA STANDARDS.
3.	PROVIDE 4'-0" X 4'-0" PANS AT ROOF DRAINS TO ACCOMMODATE FOR SLOPE AT ACTUAL LOCATION OF ROOF DRAINS AT COLUMNS.
4.	PROVIDE TAPERED INSULATION SADDLES AND CRICKETS AT 1/4" PER FOOT AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

ROOF PLAN LEGEND	
RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
	MEMBRANE ROOF PAVER
X"	INSULATION THICKNESS
	SLOPE DIRECTION OF ROOF & TAPERED INSULATION
	CRICKETS AND SADDLES
SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION	

KEYNOTES PER SHEET	
B3010-01	FULLY ADHERED EPDM ROOFING MEMBRANE, TAPERED INSULATION, RIGID INSULATION, VAPOR RETARDER, ROOF DECK
B3010-02	FULLY ADHERED EPDM ROOFING MEMBRANE, RIGID INSULATION, VAPOR RETARDER, EXISTING ROOF DECK



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL

A

PROJECT NUMBER 923674

ROOF PLAN

A104.2

© 2024 Epstein Uhen Architects, Inc.

1

2

3

4

5

6

7

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

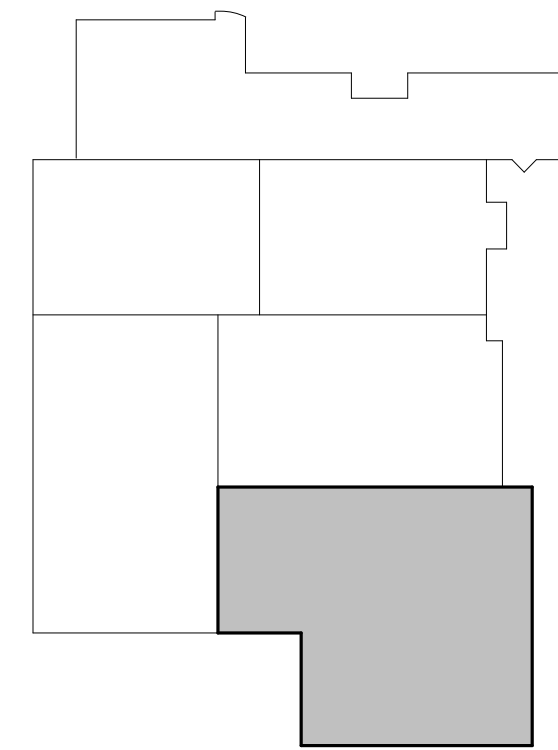
600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN



B

SHEET INFORMATION

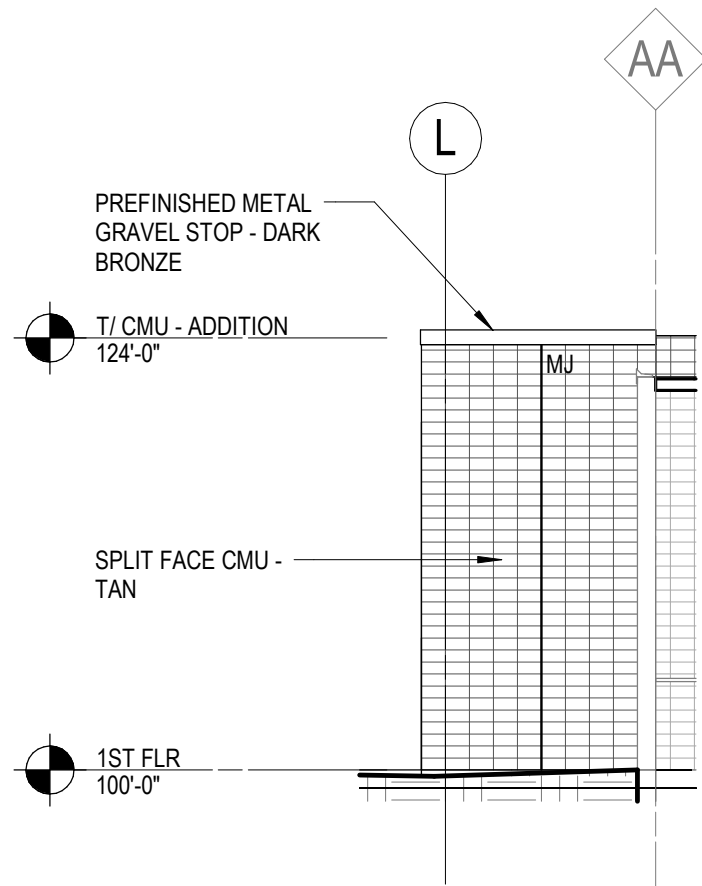
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL
PROJECT NUMBER 923674

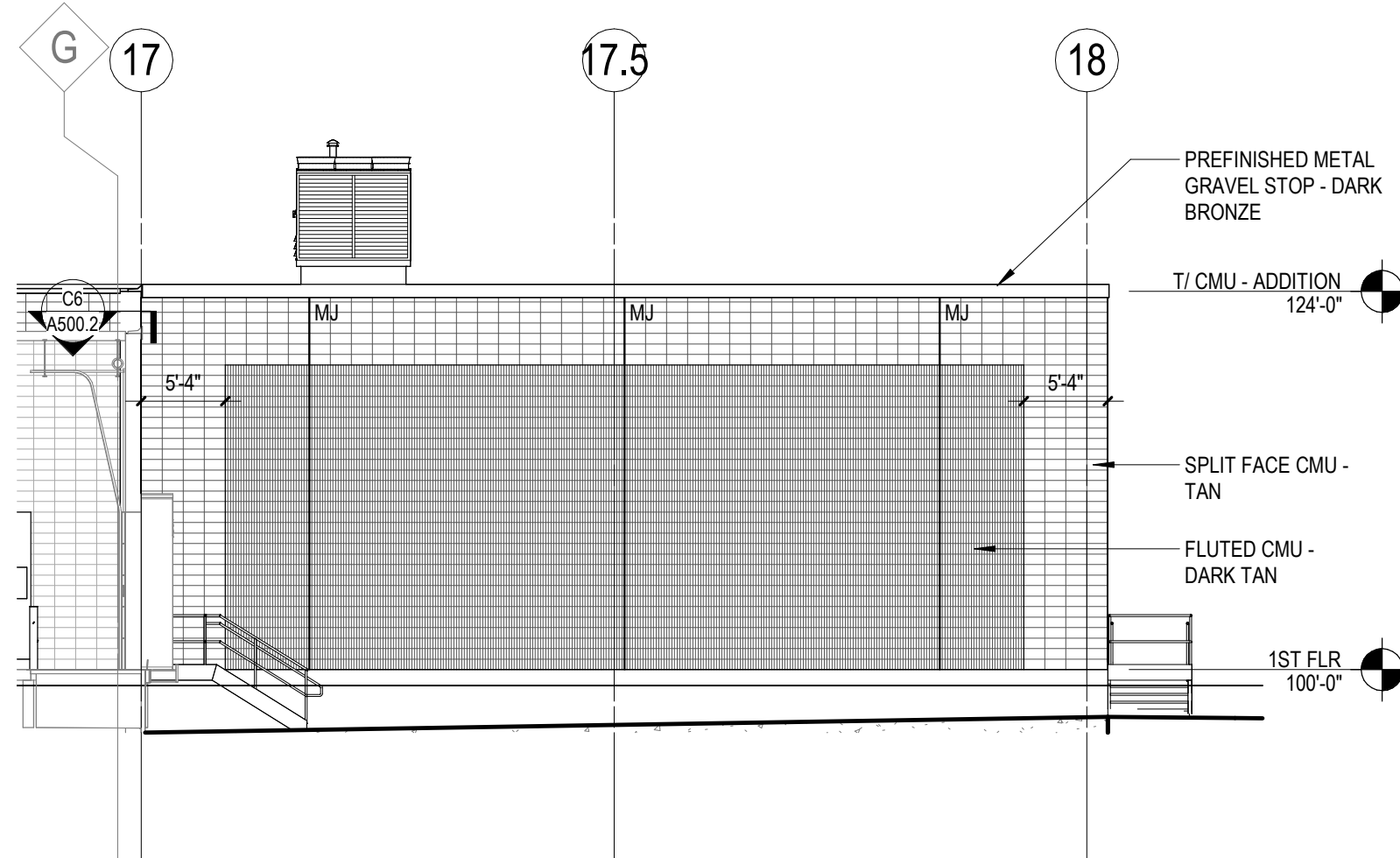
EXTERIOR
ELEVATIONS

A200.2

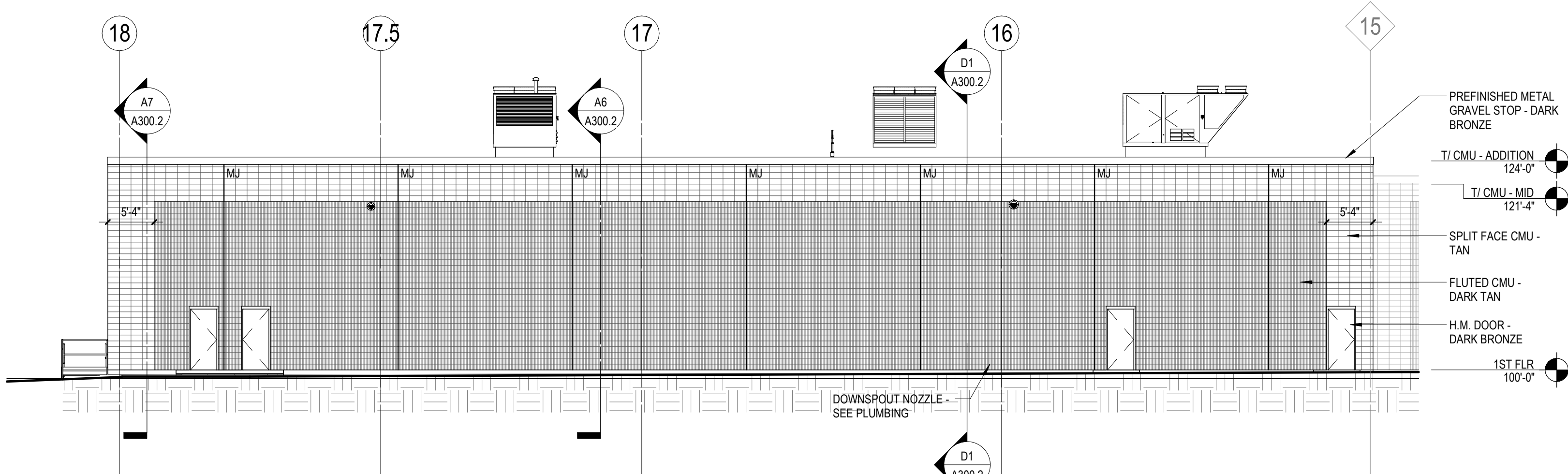
© 2024 Epstein Uhen Architects, Inc.



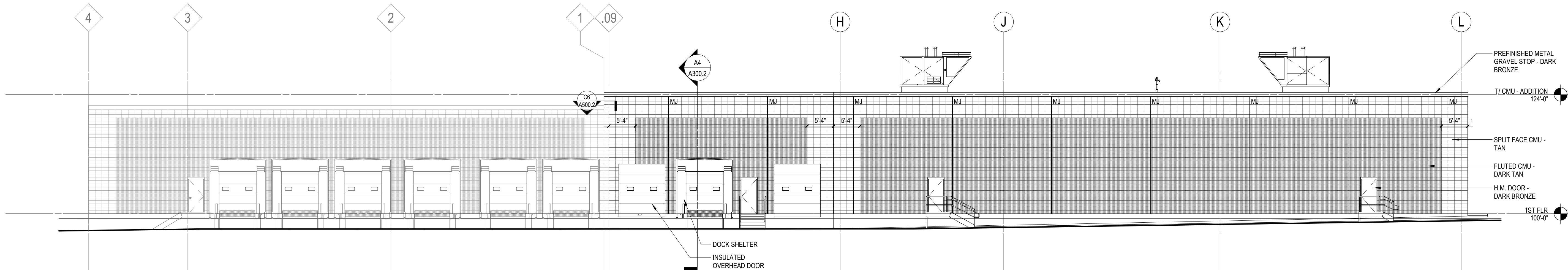
C6 PARTIAL NORTH - ADDITION
3/32" = 1'-0" | A200.2



B1 WEST - ADDITION
3/32" = 1'-0" | A200.2



B4 EAST - ADDITION
3/32" = 1'-0" | A200.2



A1 SOUTH - ADDITION
3/32" = 1'-0" | A200.2

1

2

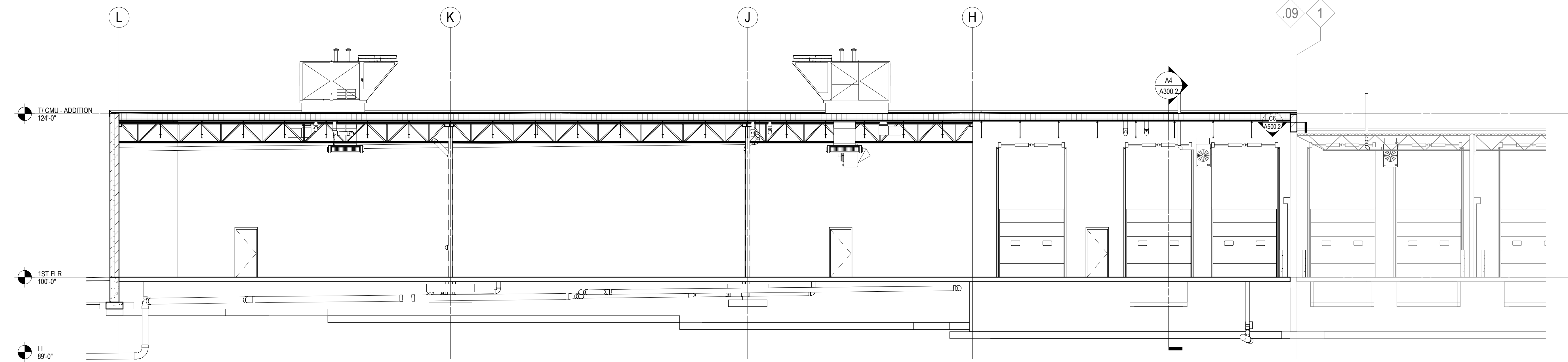
3

4

5

6

7



D1 BUILDING SECTION - PH2
1/8" = 1'-0" | A300.2

KEYNOTES PER SHEET	
B2010-01	SPLIT FACE CMU VENEER, AIR SPACE, RIGID INSULATION, AIR BARRIER, CMU
B2010-02	FLUTED CMU VENEER, AIR SPACE, RIGID INSULATION, AIR BARRIER, CMU



E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

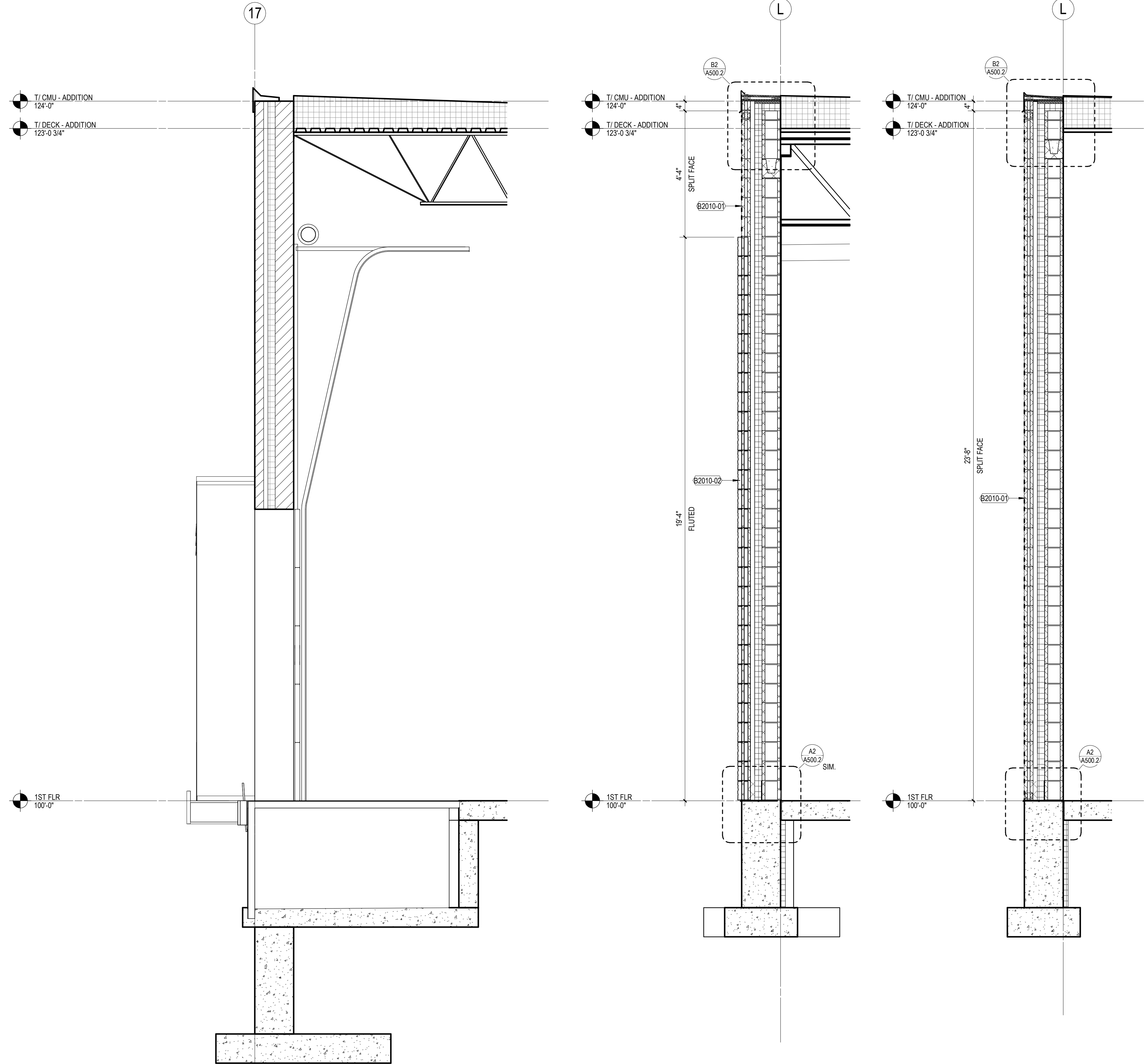
PROJECT MANAGER MVL

A PROJECT NUMBER 923674

BUILDING
SECTIONS, WALL
SECTIONS

A300.2

© 2024 Epstein Uhen Architects, Inc.



A4 WALL SECTION AT DOCK
1/2" = 1'-0" | A300.2

A6 WALL SECTION AT FLUTED CMU
1/2" = 1'-0" | A300.2

A7 WALL SECTION AT SPLIT FACE CMU
1/2" = 1'-0" | A300.2

1

2

3

4

5

6

7



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

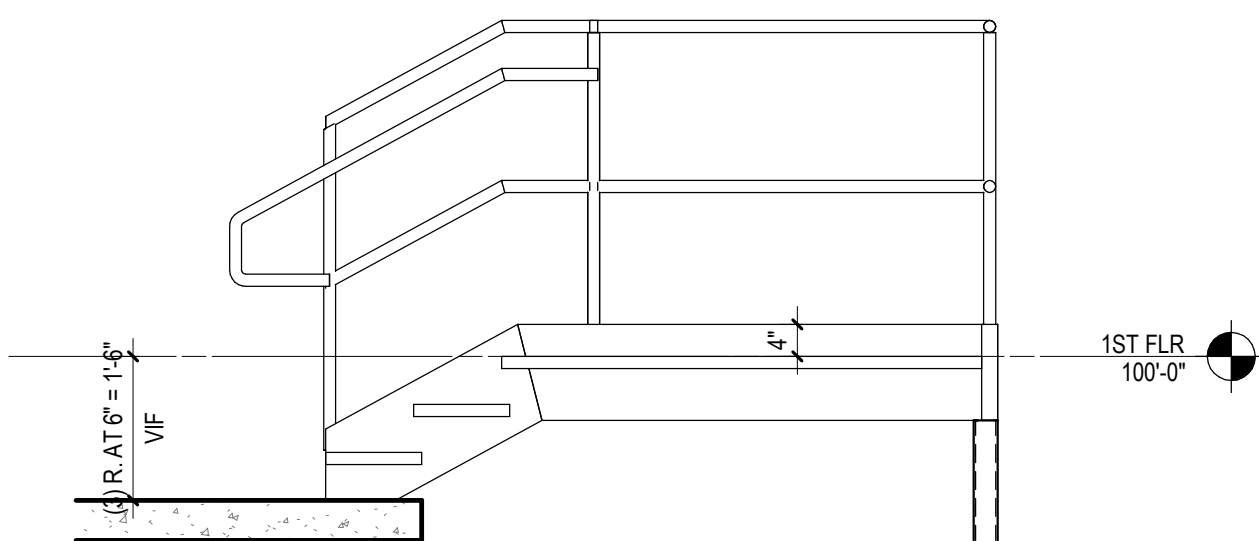
PROJECT MANAGER MVL

A PROJECT NUMBER 923674

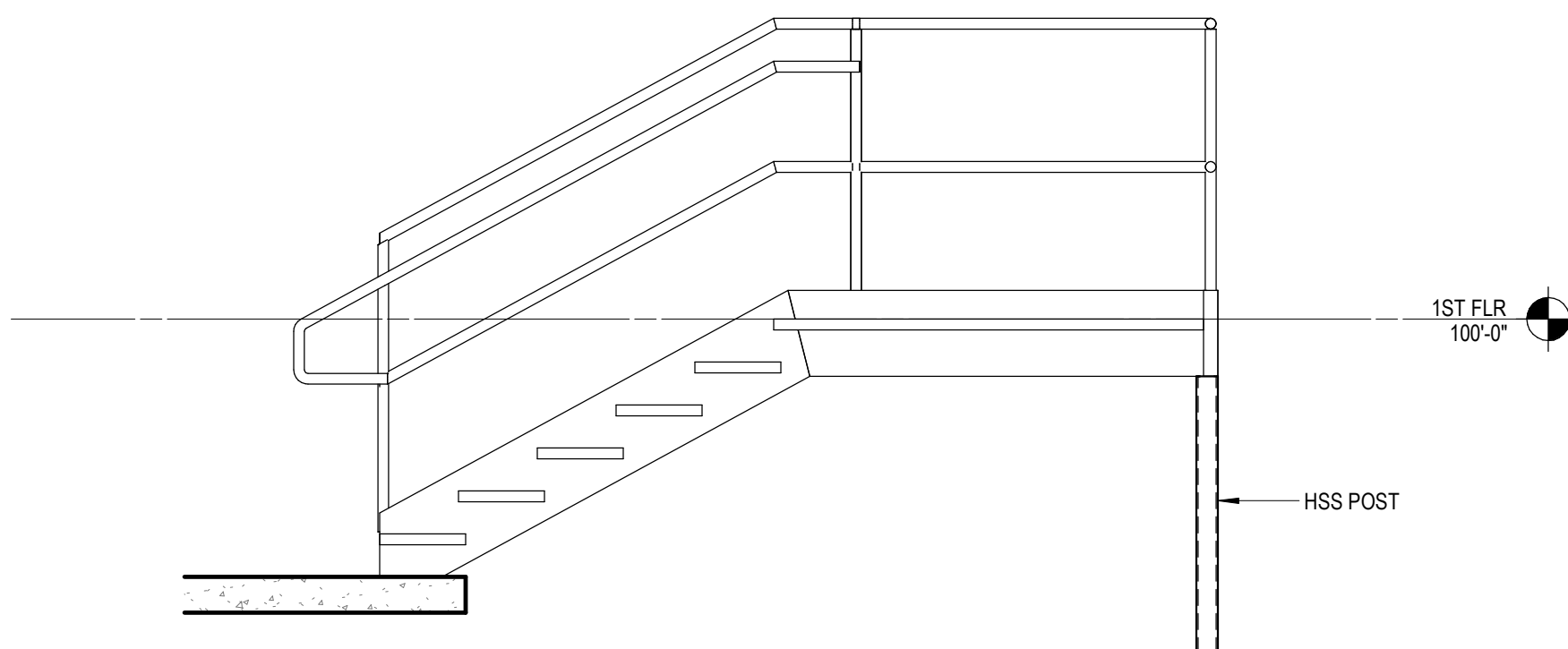
STAIR PLANS,
SECTIONS

A320.2

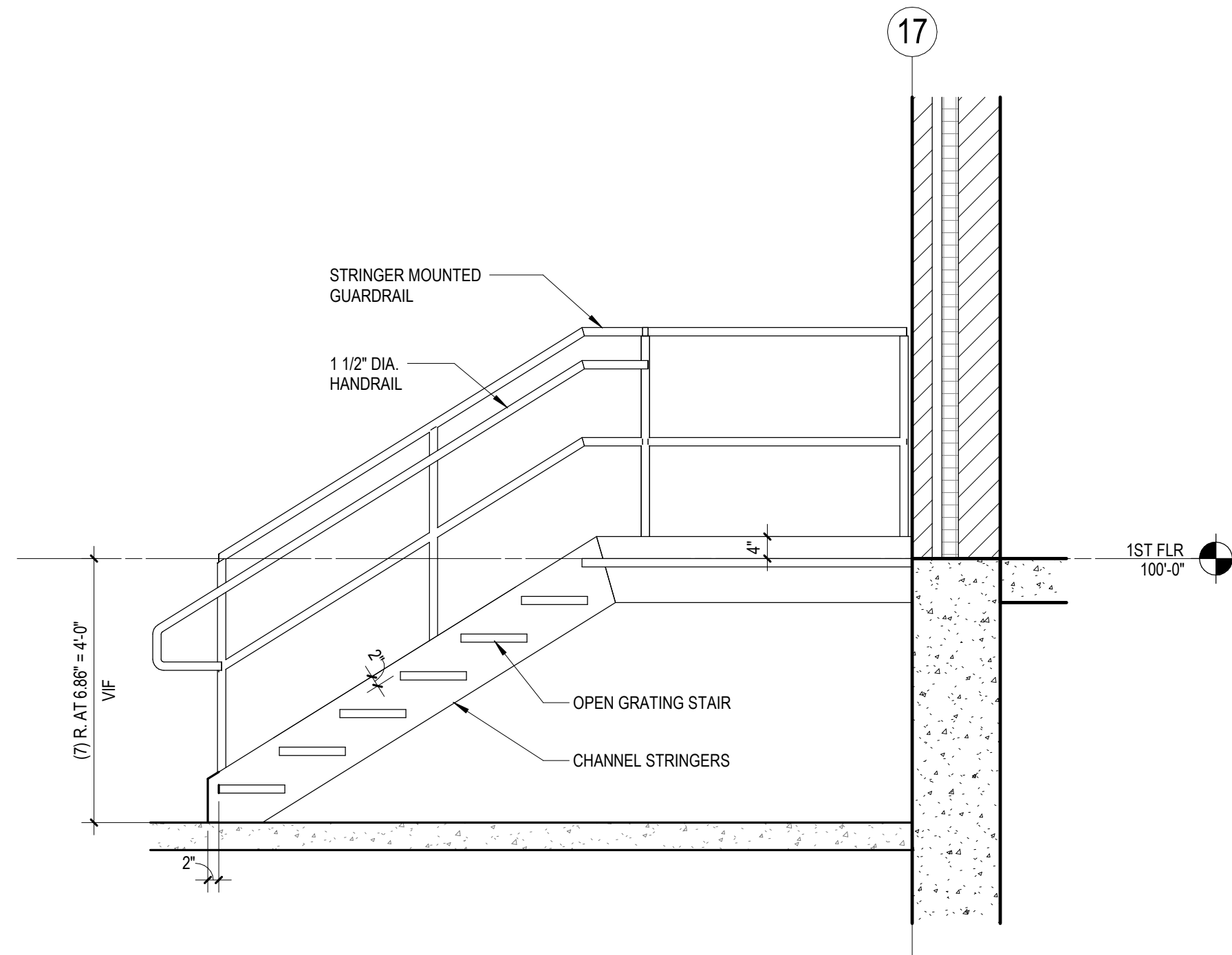
© 2024 Eppstein Uhen Architects, Inc.



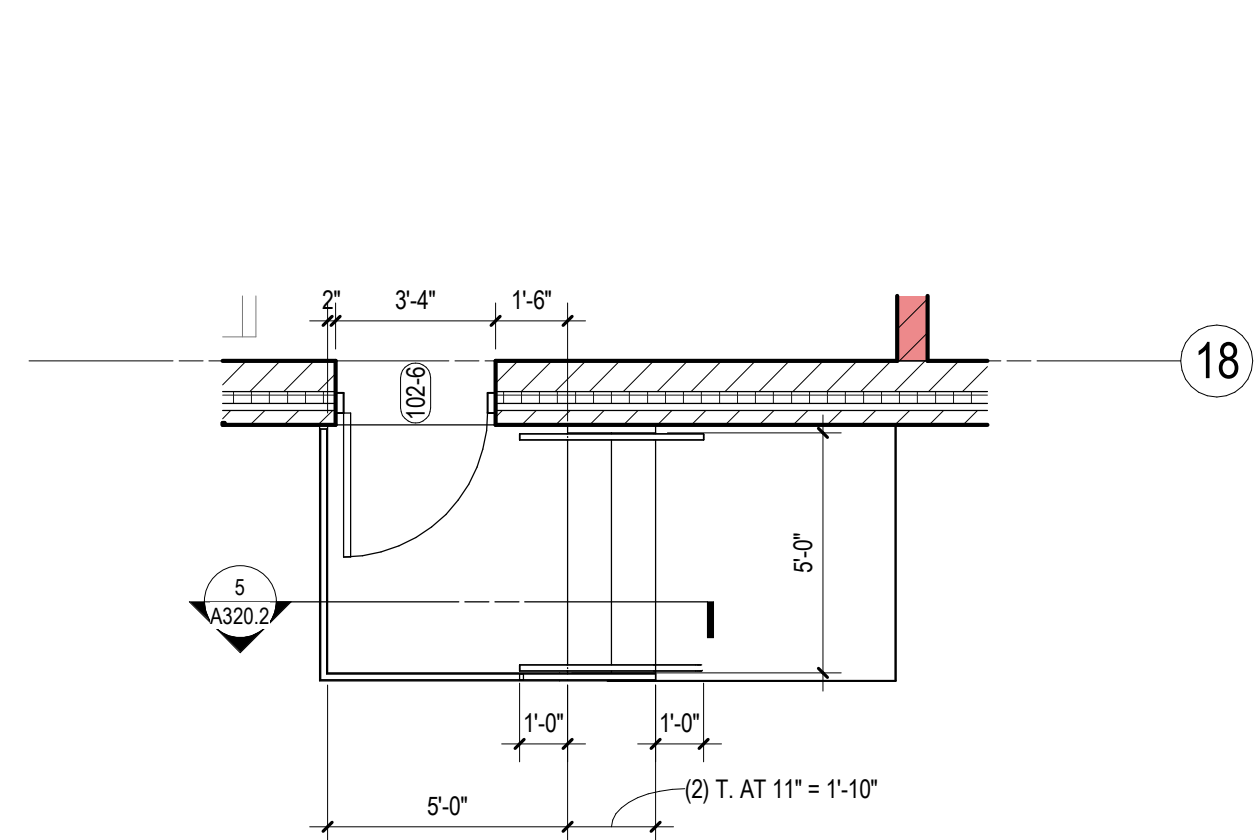
5 STAIR SECTION AT DOOR 102-6
12" = 1'-0" | A320.2



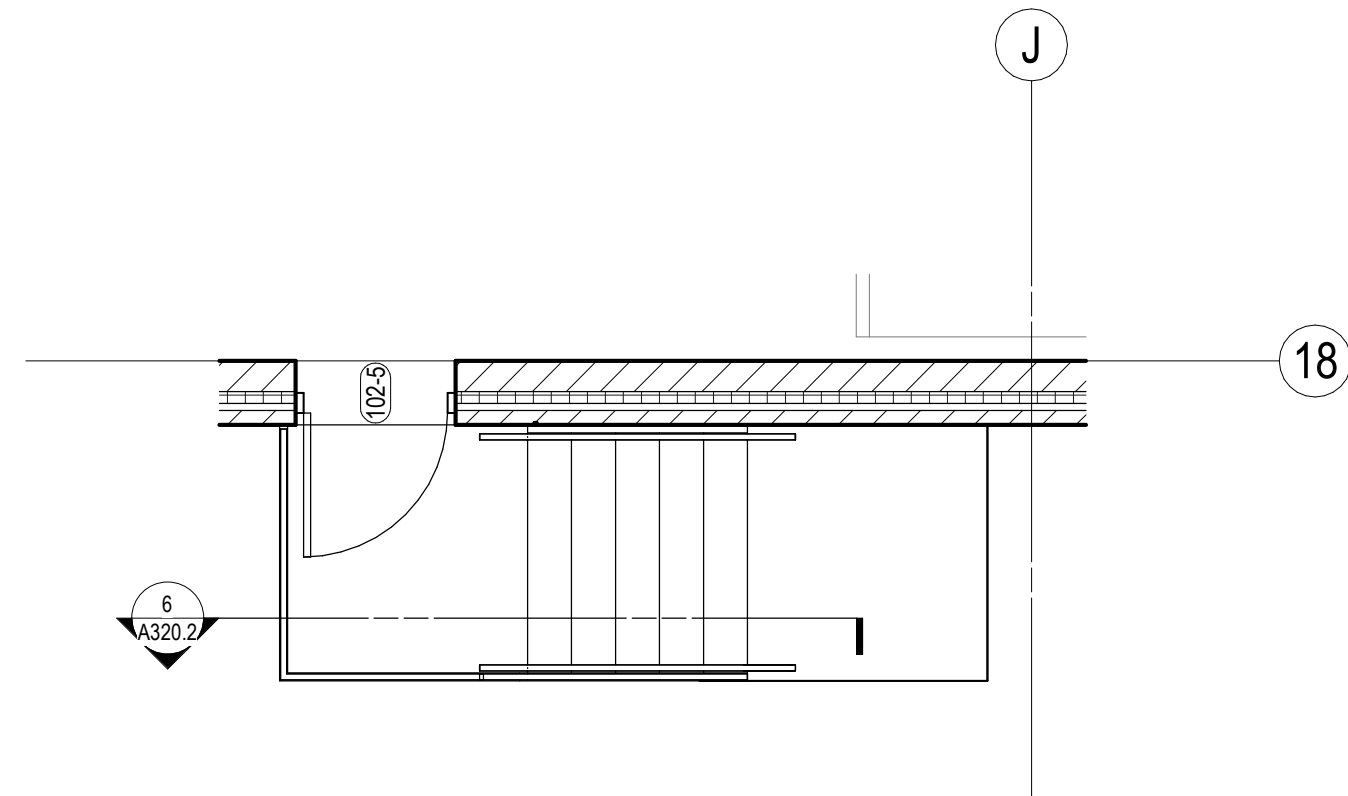
6 STAIR SECTION AT DOOR 102-5
12" = 1'-0" | A320.2



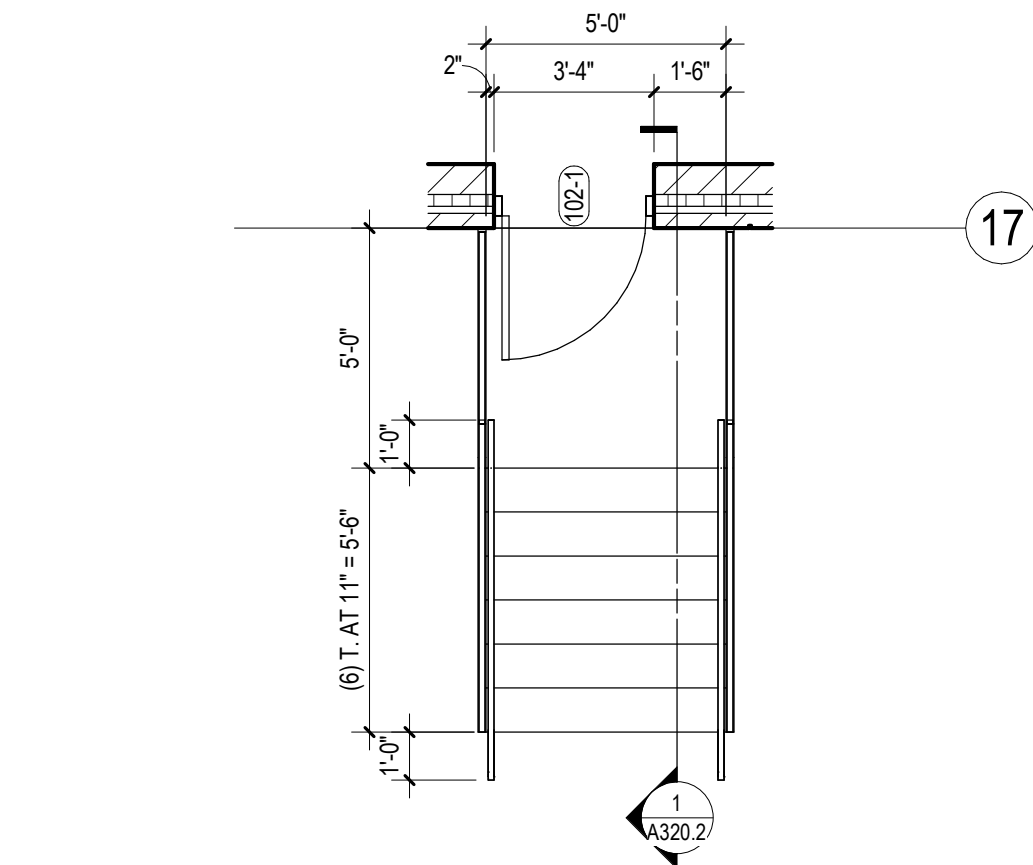
1 STAIR SECTION - DOCK STAIR
12" = 1'-0" | A320.2



4 ENLARGED PLAN - STAIR AT DOOR 102-6
1/4" = 1'-0" | A320.2



3 ENLARGED PLAN - STAIR AT DOOR 102-5
1/4" = 1'-0" | A320.2



2 ENLARGED PLAN - DOCK STAIR
1/4" = 1'-0" | A320.2

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

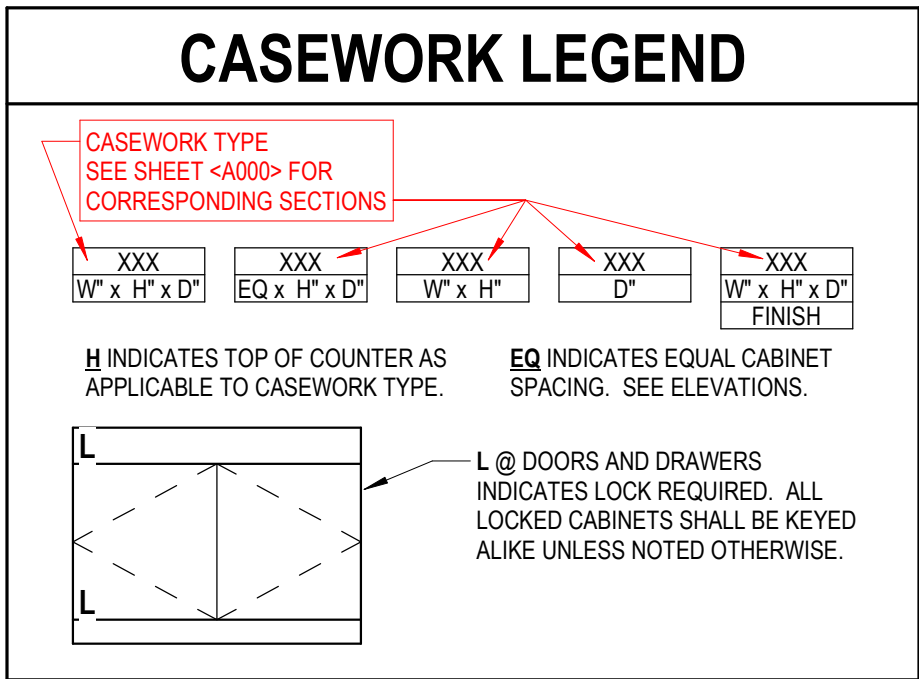
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

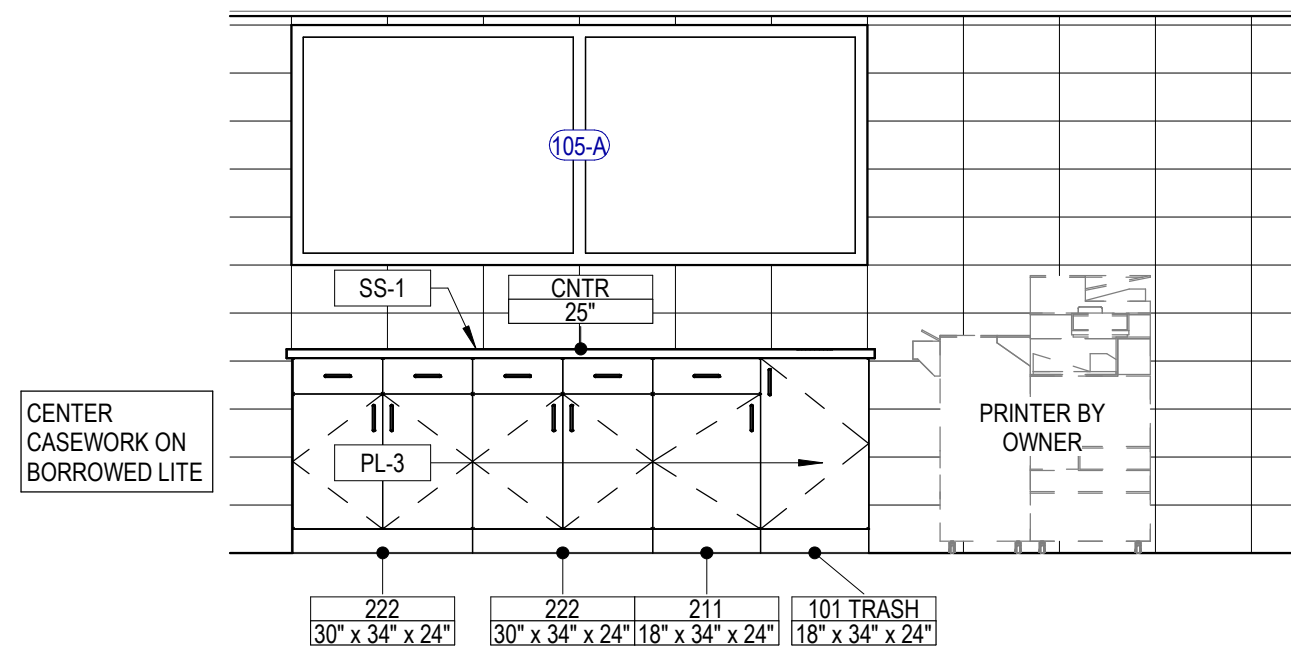
PROJECT MANAGER MVL
PROJECT NUMBER 923674

ENLARGED PLANS

A400.2

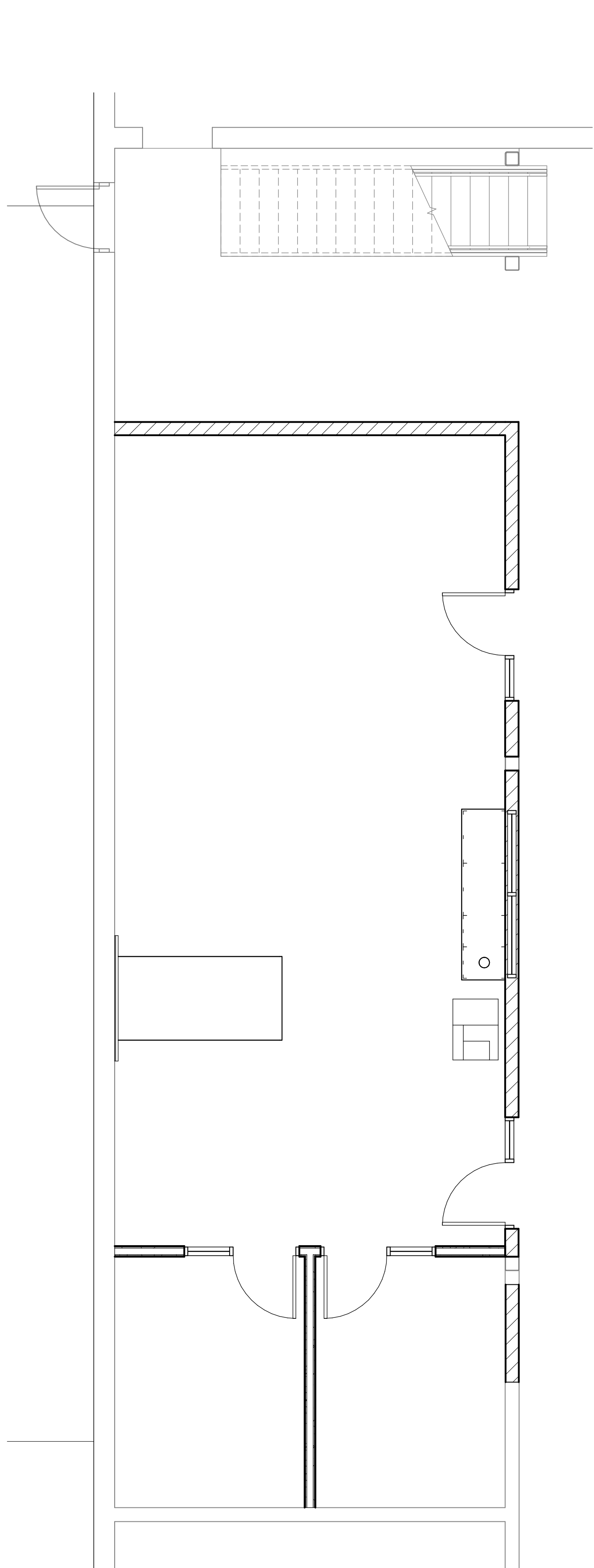


- SHEET NOTES - MILLWORK**
- PROVIDE PLASTIC LAMINATE FILLER STRIPS AND SCRIBE TO FIT AT ALL LOCATIONS WHERE CASEWORK MEETS ADJOINING WALL. APPLY SEALANT. PROVIDE A MINIMUM 3" WIDE FILLER AT ALL INSIDE CORNERS OF BASE, WALL, AND FULL HGT CABINETS, UNLESS NOTED OTHERWISE.
 - PROVIDE <FIRE RETARDANT-TREATED MATERIALS>=STEEL STRAPPIES> FOR ALL CONCEALED BLOCKING OF WALL-SUPPORTED ITEMS. VERIFY HEIGHTS WITH ARCHITECT. LOCATE STANDARDS AT STUDIOS WHERE POSSIBLE. COORDINATE LOCATIONS WITH ALL TRADES AND FIELD VERIFY INSTALLATION PRIOR TO SETTING MILLWORK.
 - PROVIDE WHITE MELAMINE BOARD INTERIORS AT ALL CABINETS.
 - AT ALL EXPOSED SURFACES, MATCH FINISH MATERIAL TO CABINET FACE INCLUDING INTERIOR AND EXTERIOR CABINET DOOR FACES AND EDGES. SEE MATERIAL SCHEDULE.
 - PROVIDE GROMMETS IN CASEWORK AND COUNTERTOPS WHEREVER ELECTRICAL OR COMMUNICATIONS OUTLETS ARE INDICATED IN KNEE SPACE BELOW. VERIFY ALL LOCATIONS IN FIELD WITH OWNER PRIOR TO GROMMET INSTALLATION.
 - PROVIDE A MINIMUM 1 1/2" RADIUS AT ALL OUTSIDE CORNERS OF COUNTERS, UNLESS NOTED OTHERWISE. COORDINATE SIZE OF RADIUS WITH COUNTERTOP OVERHANGS AND NOSING MATERIAL. PROVIDE 1" COUNTER OVERHANG AT ENDS AND FRONT, UNLESS NOTED OTHERWISE.
 - PROVIDE SEALANT ALONG EDGE OF CASEWORK, COUNTERTOPS, BACKSPASHES, AND SIDESPLASHES WHERE THEY MEET THE WALL.
 - PROVIDE EXTERIOR GRADE PLYWOOD SUBSTRATE AT ALL LAMINATE COUNTERS ADJACENT TO SINKS.
 - PLASTIC LAMINATE FASCIA ABOVE CABINETS TO CONTINUE GRAIN DIRECTION OF DOOR BELOW, UNLESS NOTED OTHERWISE.
 - PROVIDE FINISH BASE MATERIAL AT CASEWORK FRONT AND SIDE TOEKICKS TO MATCH BASE MATERIAL OF THE ROOM. SEE MATERIAL SCHEDULE.
 - INSET SIDE TOEKICKS 1/2". SEE MILLWORK SECTIONS FOR FRONT TOEKICK RECESS.
 - PROVIDE ADJUSTABLE SHELVING AT ALL CASEWORK LOCATIONS, UNLESS NOTED OTHERWISE. SEE SHELVING QUANTITY DIAGRAM FOR QUANTITIES.
 - CABINETS WITH AN "L" ON THEM INDICATE LOCKABLE CABINETS. VERIFY LOCATION OF LOCKS WITH OWNER. <VERIFY IF LOCKS ARE ALL KEYED THE SAME, KEYED SEPARATELY PER UNIT, OR A MECHANICAL PUSH/BUTTON LOCK IF IT IS A KEYED LOCK, DETERMINE IF THE LOCK WILL SECURE AUTOMATICALLY OR MANUALLY.>
 - PROVIDE OPENINGS FOR SPRINKLER COVERAGE IN CABINET TOP AND SHELVES FOR CABINETS ABOVE 48" AFF AND GREATER THAN OR EQUAL TO 18" DEEP. SEE DETAIL <XXIAXXX>.
 - MILLWORK CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING OPENINGS FOR APPLIANCES WITH APPLIANCE SUPPLIER. VERIFY DIMENSIONS OF ALL ITEMS. PROVIDE PLASTIC LAMINATE BASE AND FILLER PANELS FOR UNDERCOUNTER APPLIANCES, AS REQUIRED, FOR BUILT-IN APPEARANCE.



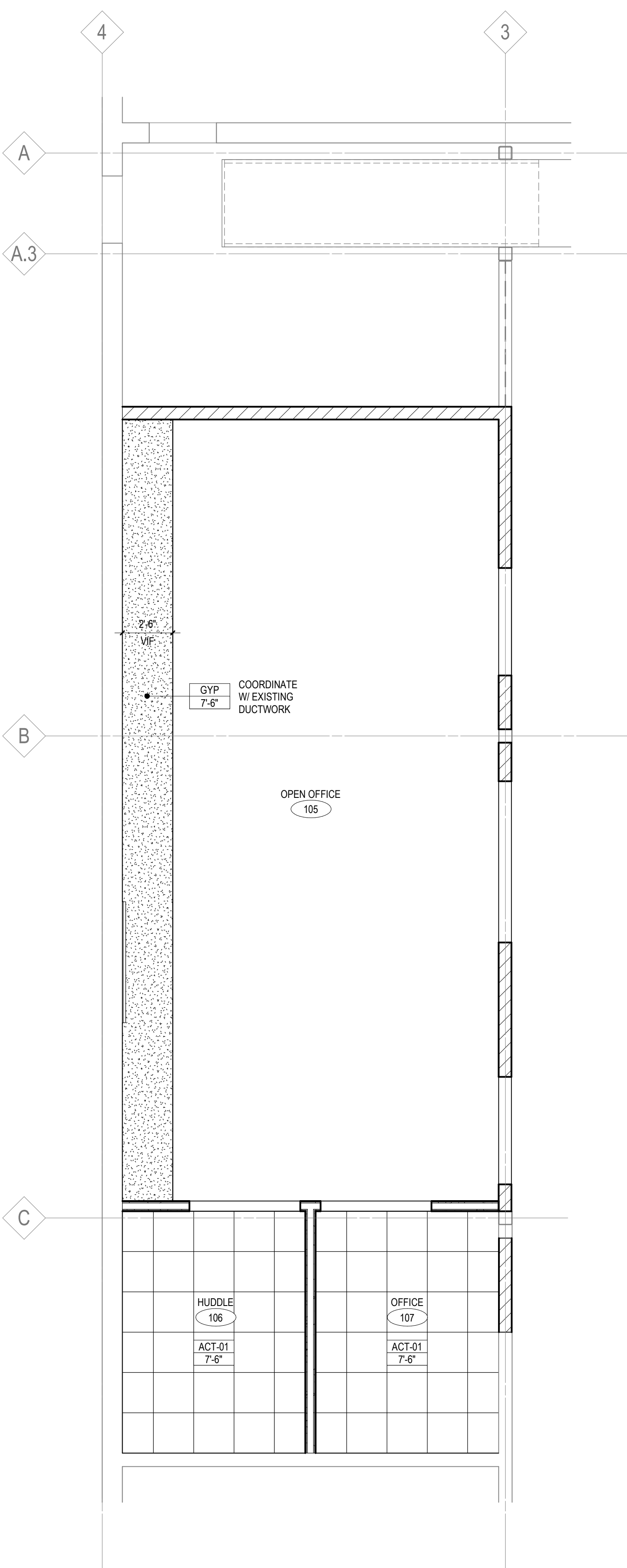
E4 105 OPEN OFFICE - EAST

3/8" = 1'-0" | A400.2



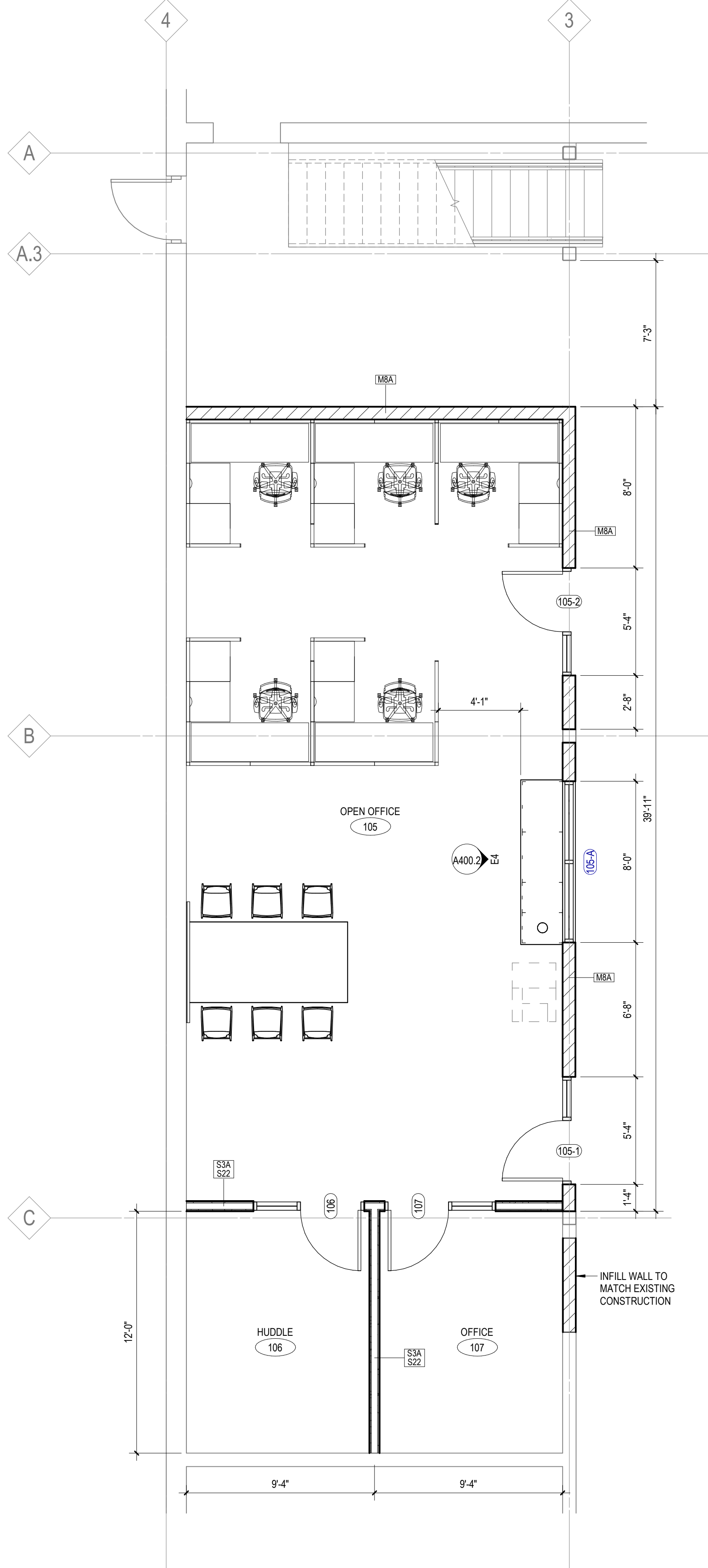
A1 ENLARGED FINISH PLAN - SHIPPING/REWIND OFFICE

1/4" = 1'-0" | A400.2



A3 ENLARGED CEILING PLAN - SHIPPING/REWIND OFFICE

1/4" = 1'-0" | A400.2



A5 ENLARGED PLAN - SHIPPING/REWIND OFFICE

1/4" = 1'-0" | A400.2



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

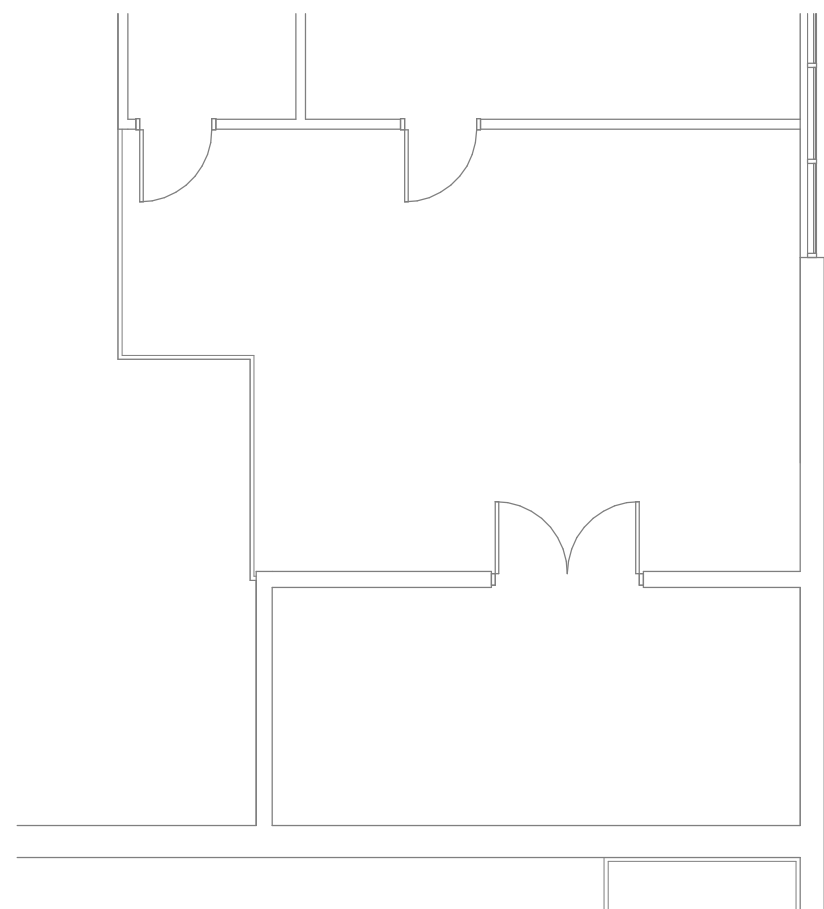
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL
PROJECT NUMBER 923674

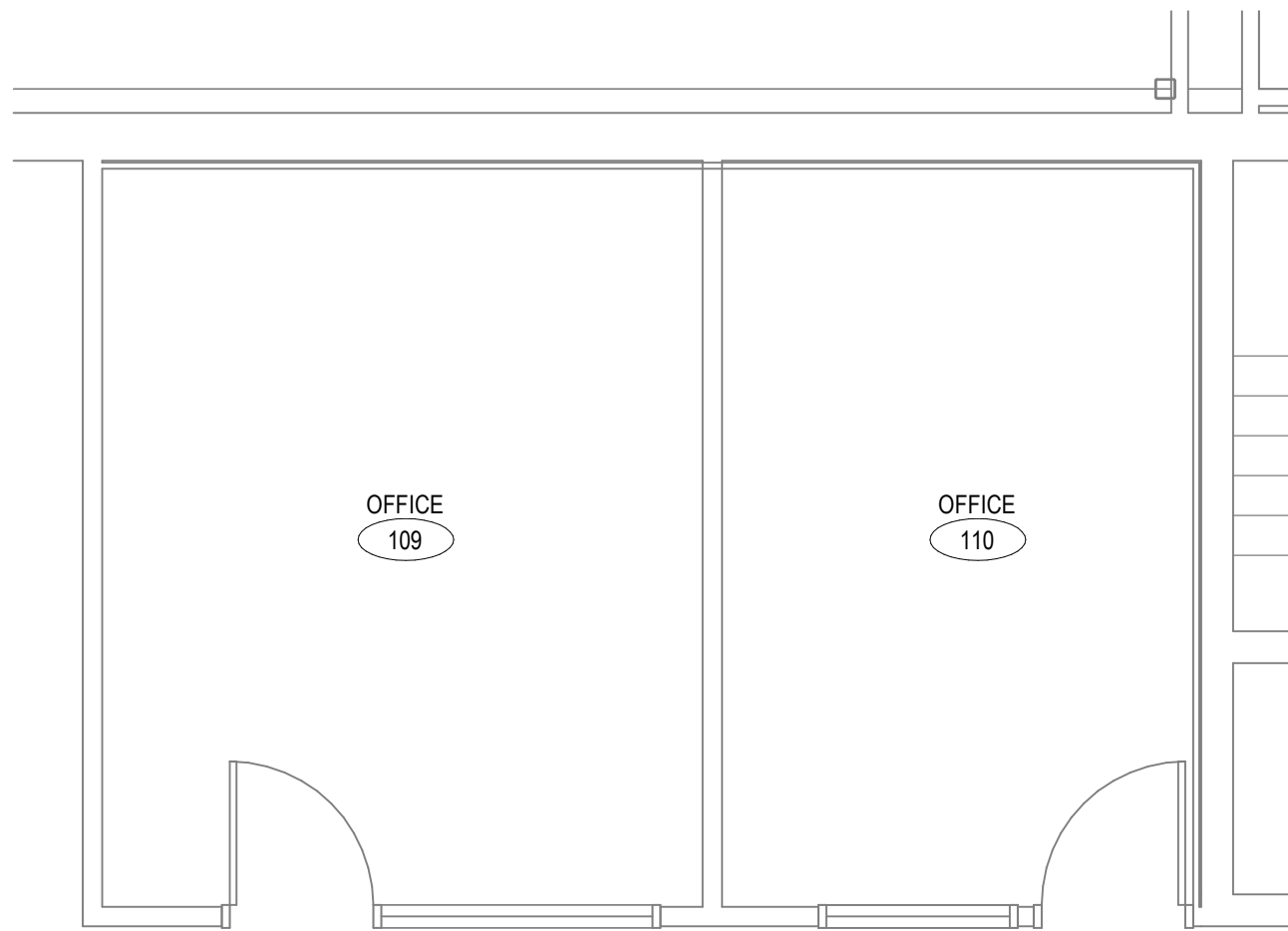
ENLARGED PLANS

A401.2

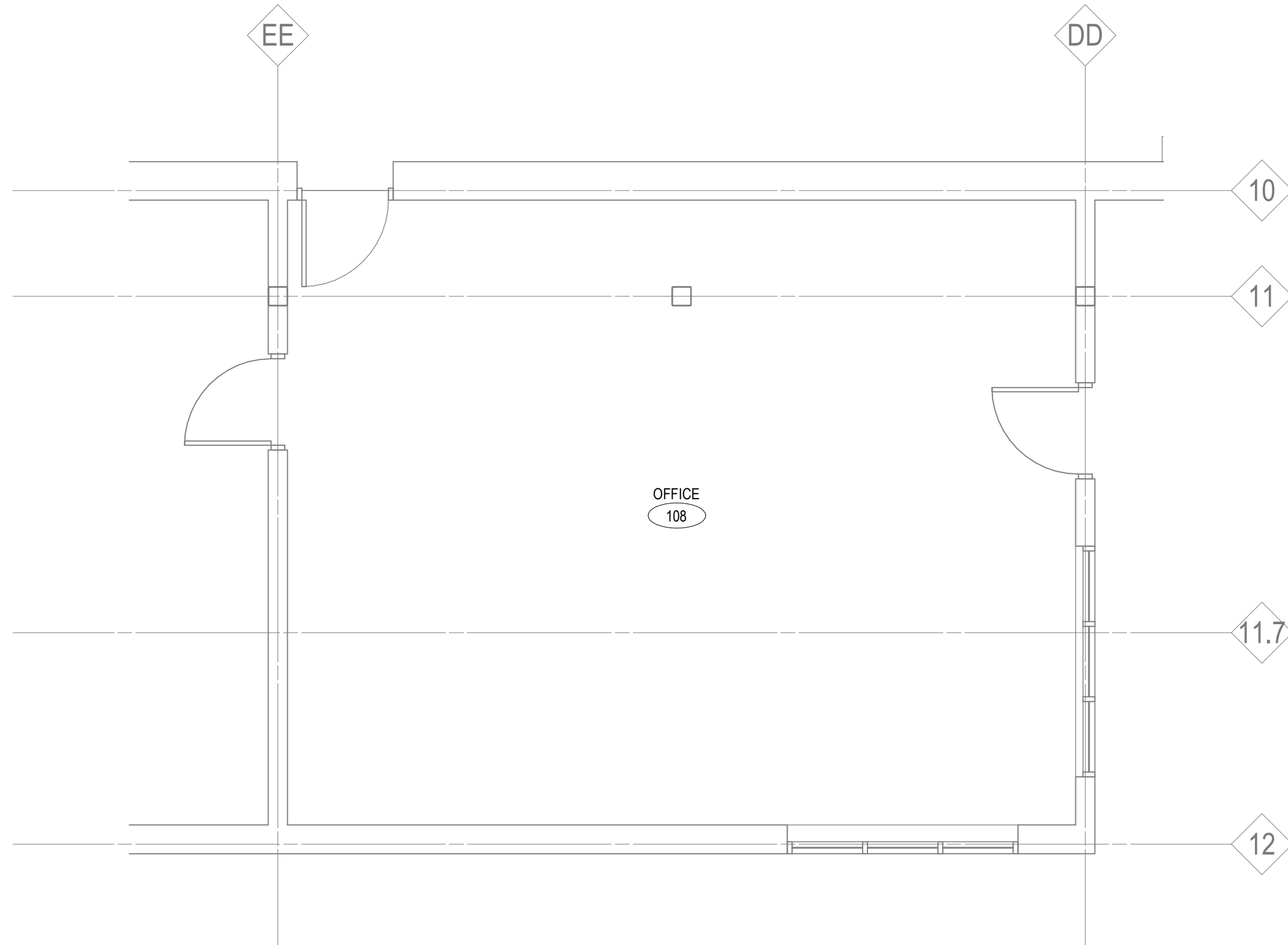
© 2024 Eppstein Uhen Architects, Inc.



 **3** ENLARGED PLAN - QUALITY OFFICE
1/8" = 1'-0" | A401.2



 **2** ENLARGED PLAN - PRODUCTION OFFICES
1/4" = 1'-0" | A401.2



 **1** ENLARGED PLAN - PRODUCTION OFFICE
1/4" = 1'-0" | A401.2

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

d 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER

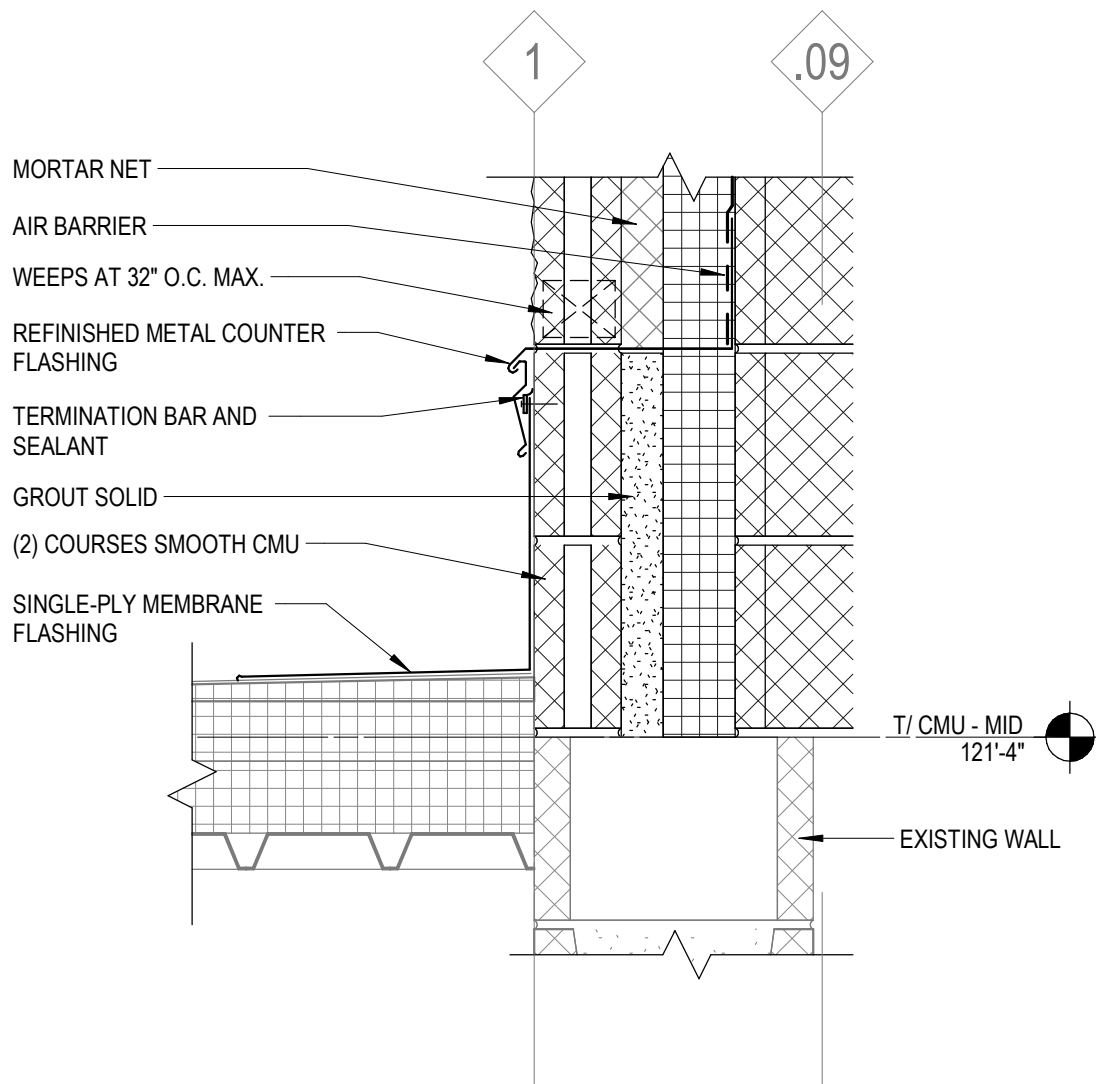
MVL

A PROJECT NUMBER

923674

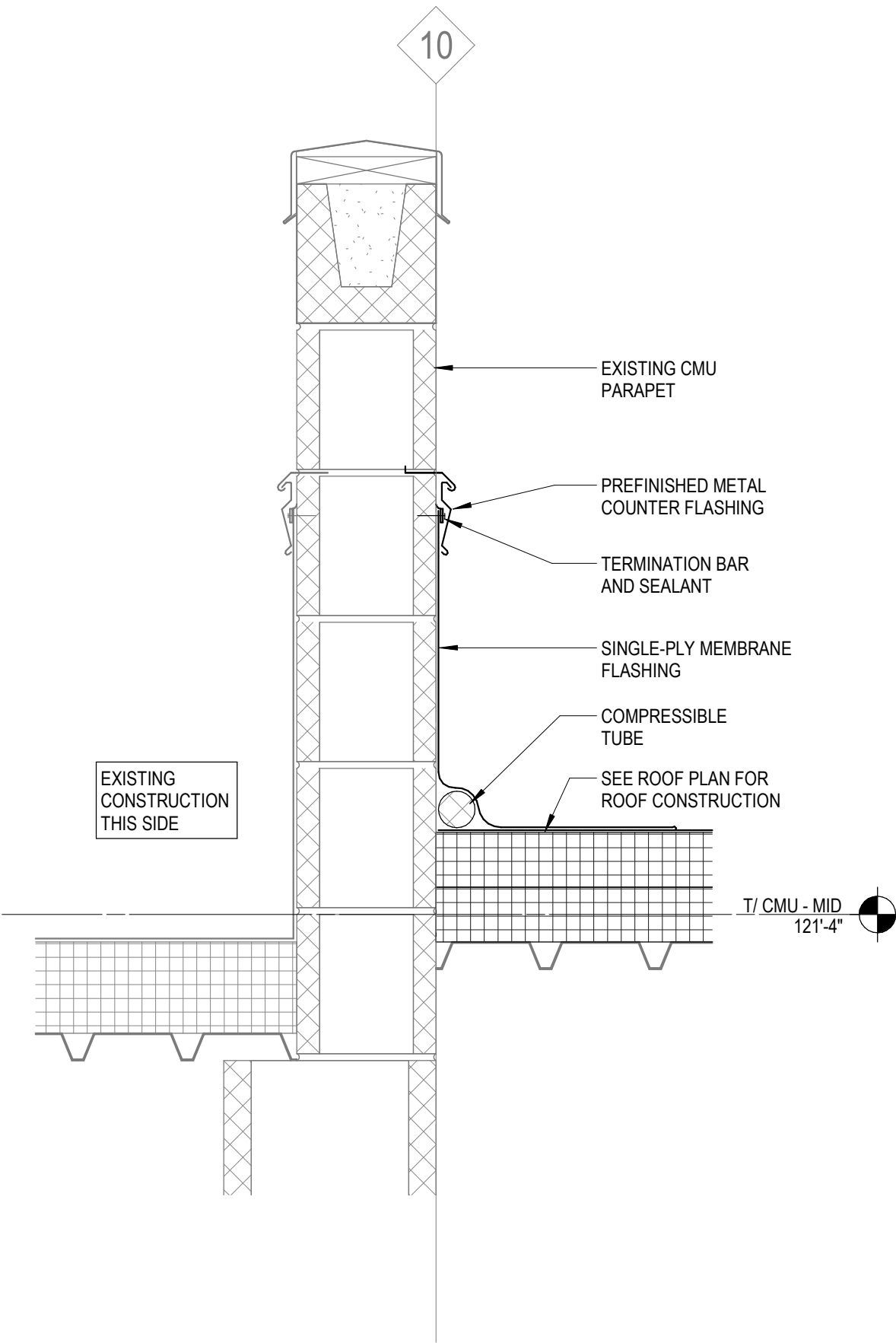
EXTERIOR DETAILS

A500.2



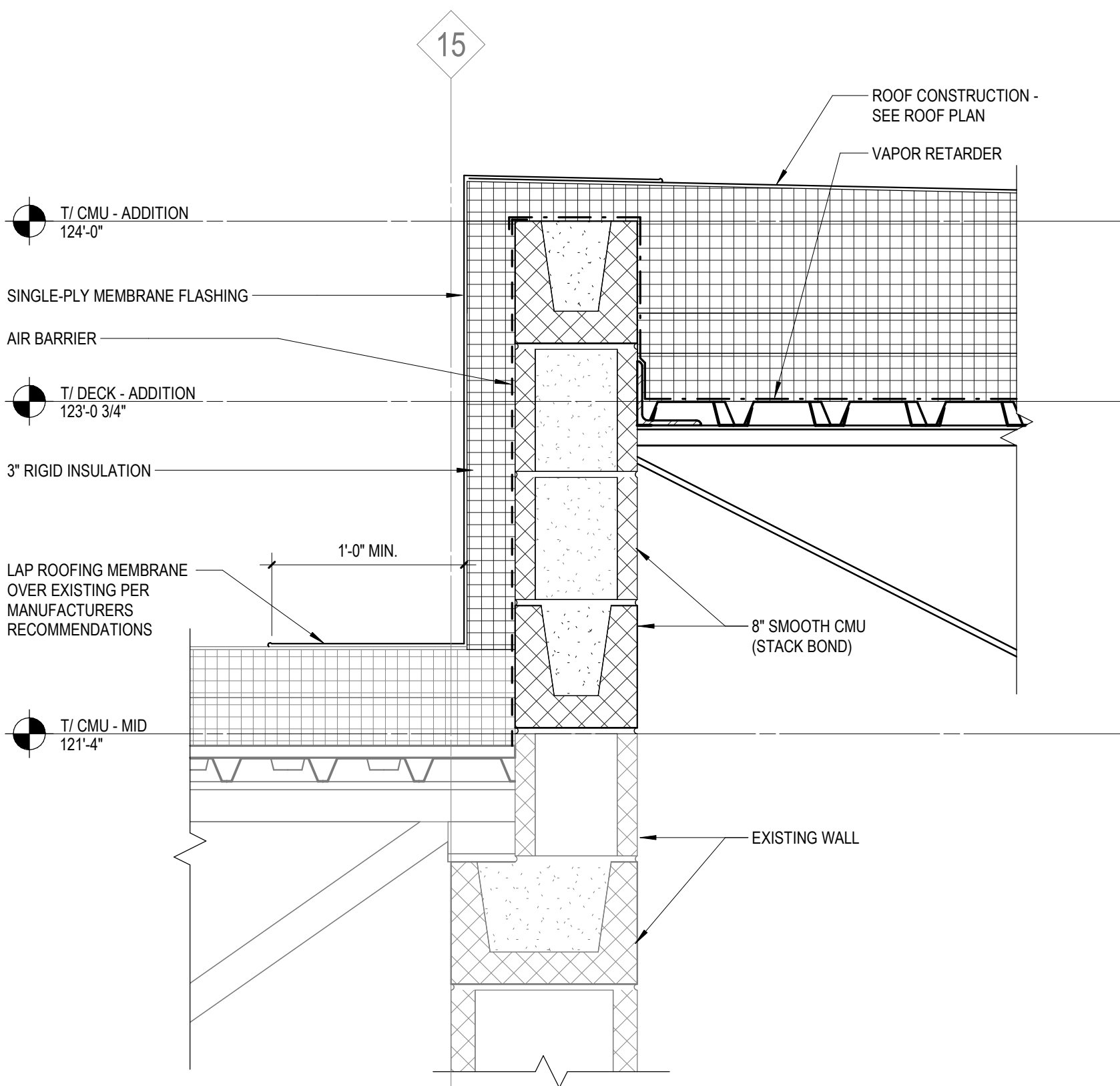
D4 COUNTER FLASHING DETAIL

1 1/2" = 1'-0" | A500.2



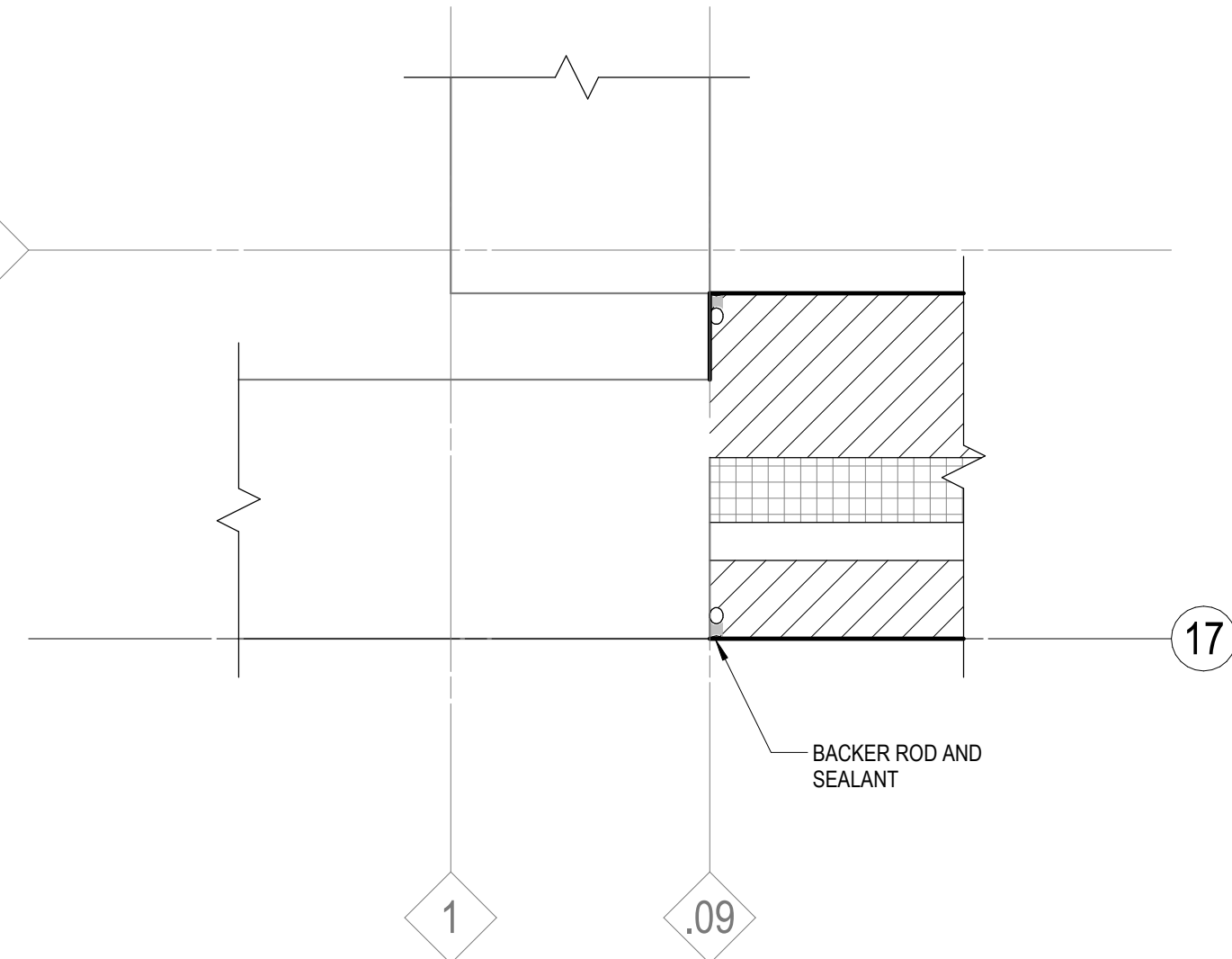
C4 4 HR PARAPET

1 1/2" = 1'-0" | A500.2



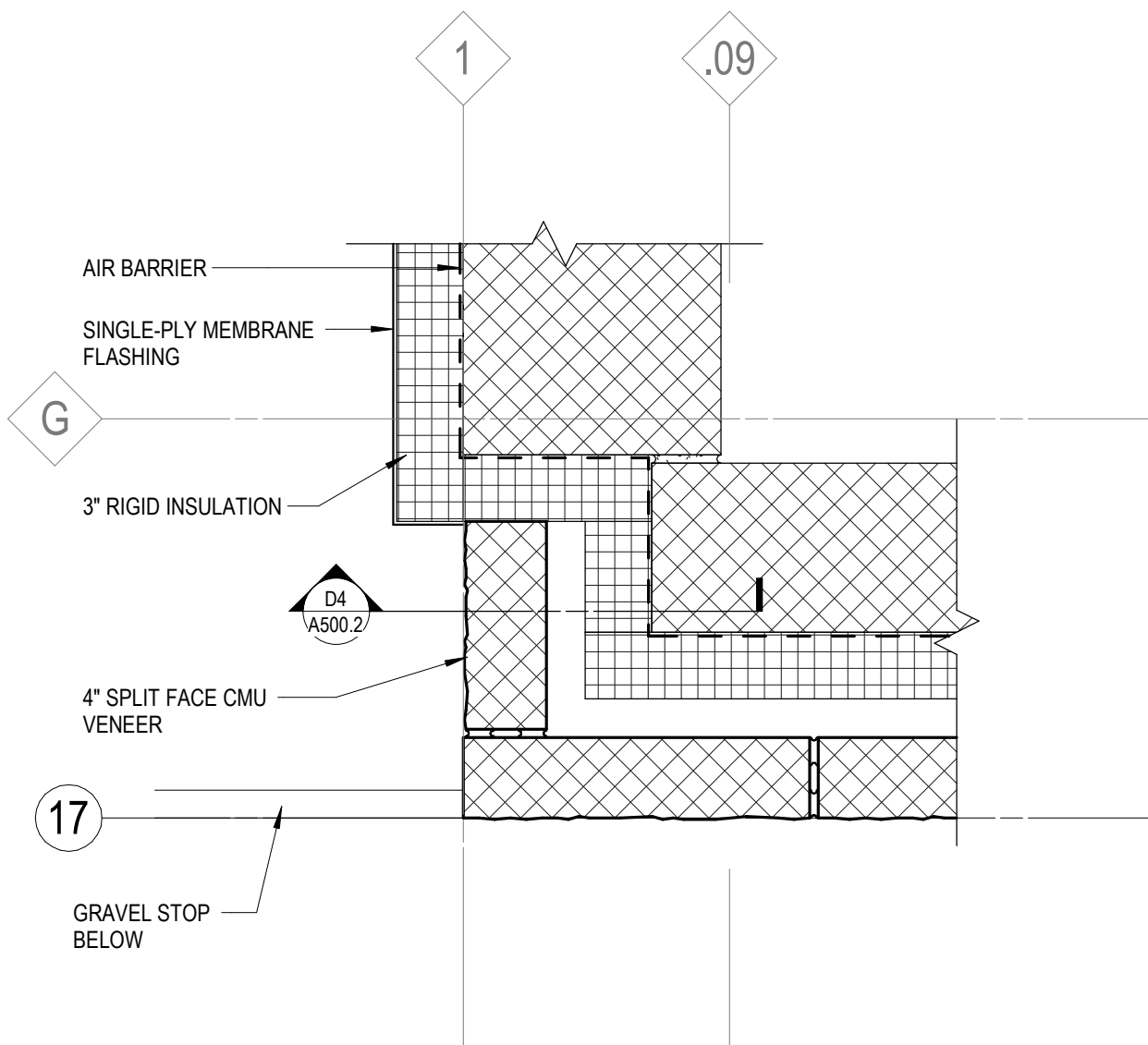
A4 NORTH ROOF DETAIL

1 1/2" = 1'-0" | A500.2



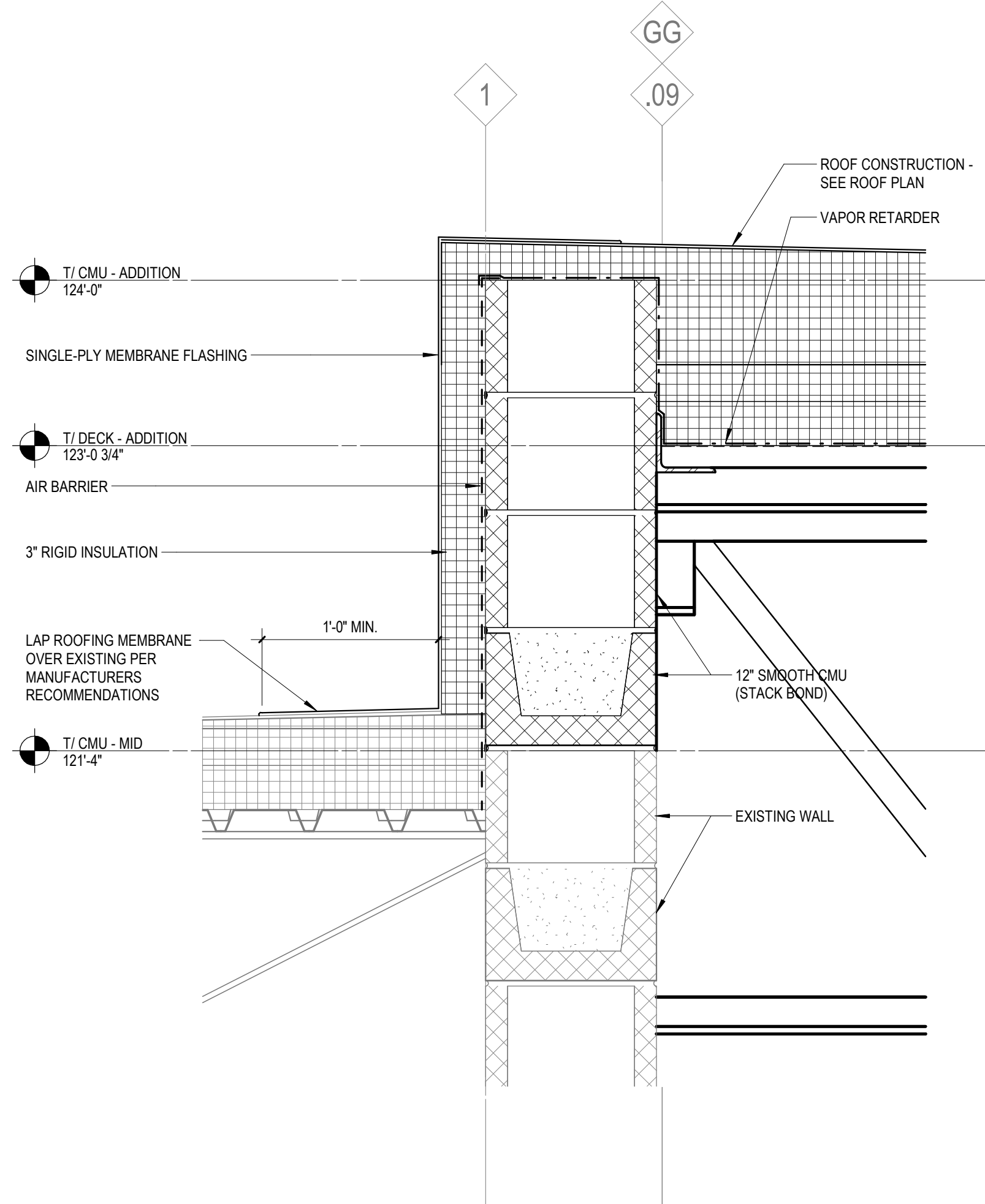
D6 WALL DETAIL

1 1/2" = 1'-0" | A500.2



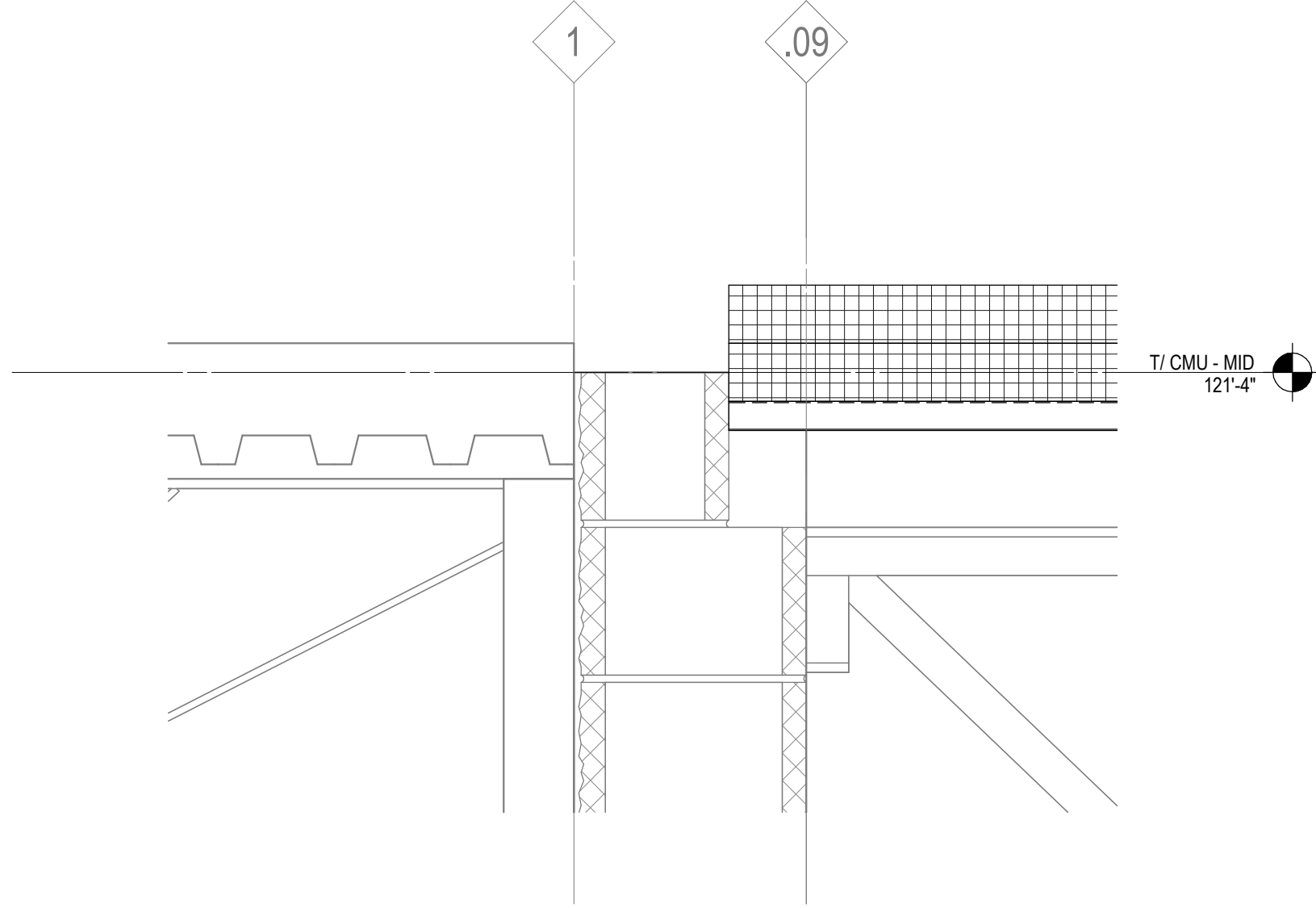
C6 PARAPET PLAN DETAIL

1 1/2" = 1'-0" | A500.2



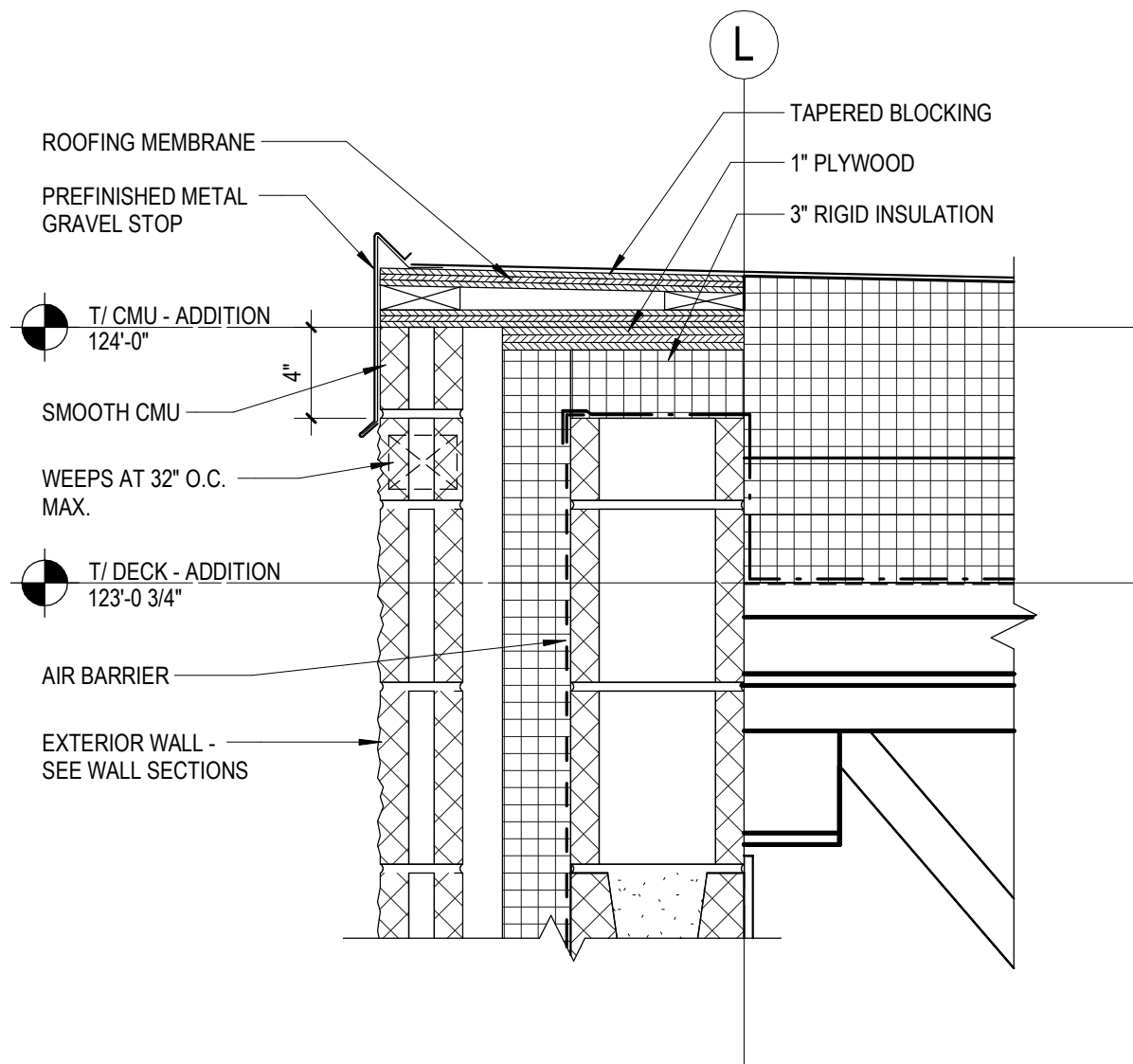
A6 WEST ROOF DETAIL

1 1/2" = 1'-0" | A500.2



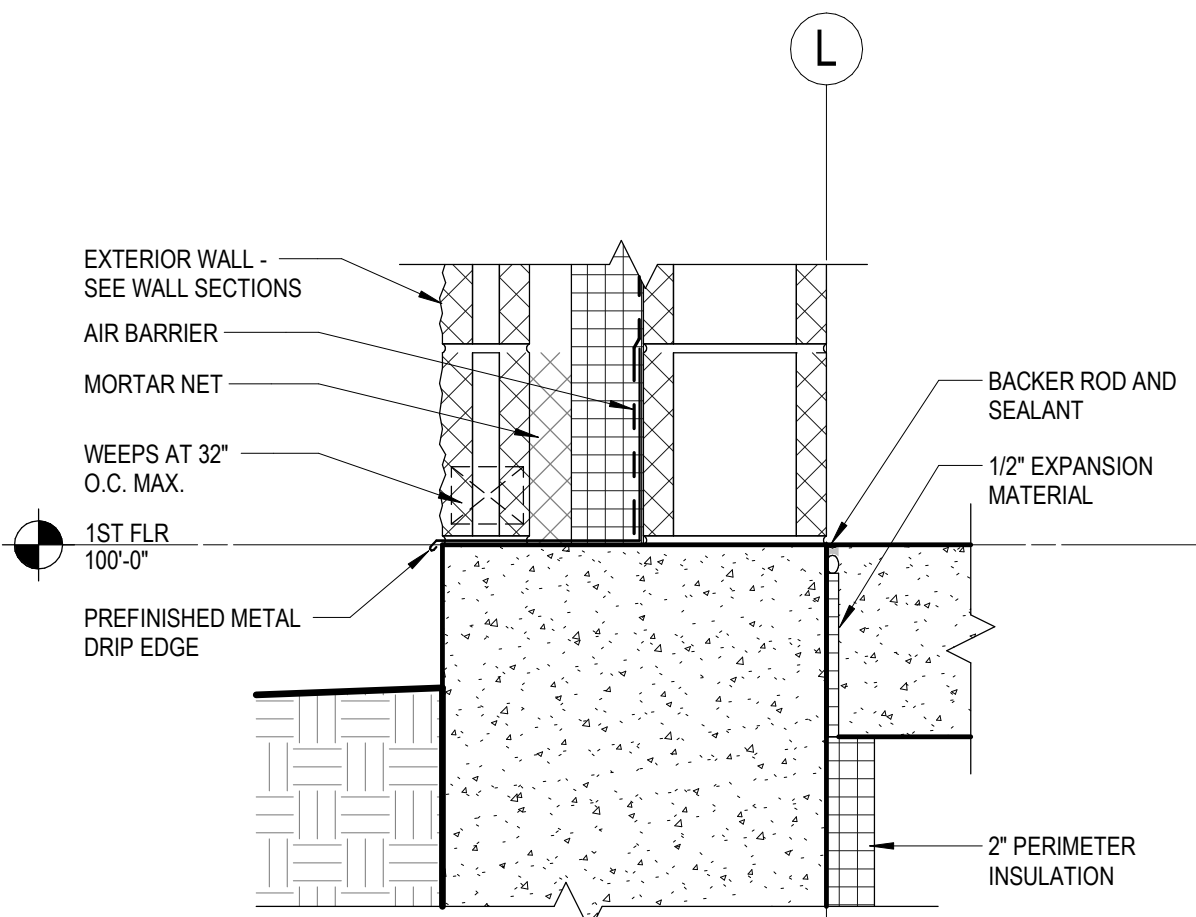
C2 ROOF DETAIL AT EXISTING

1 1/2" = 1'-0" | A500.2



B2 ROOF EDGE

1 1/2" = 1'-0" | A500.2



A2 WALL BASE

1 1/2" = 1'-0" | A500.2



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER MVL
PROJECT NUMBER 923674

DOOR AND FRAME
SCHEDULE

A600.2

© 2024 Epstein Uhen Architects, Inc.

DOOR AND FRAME SCHEDULE - PH2

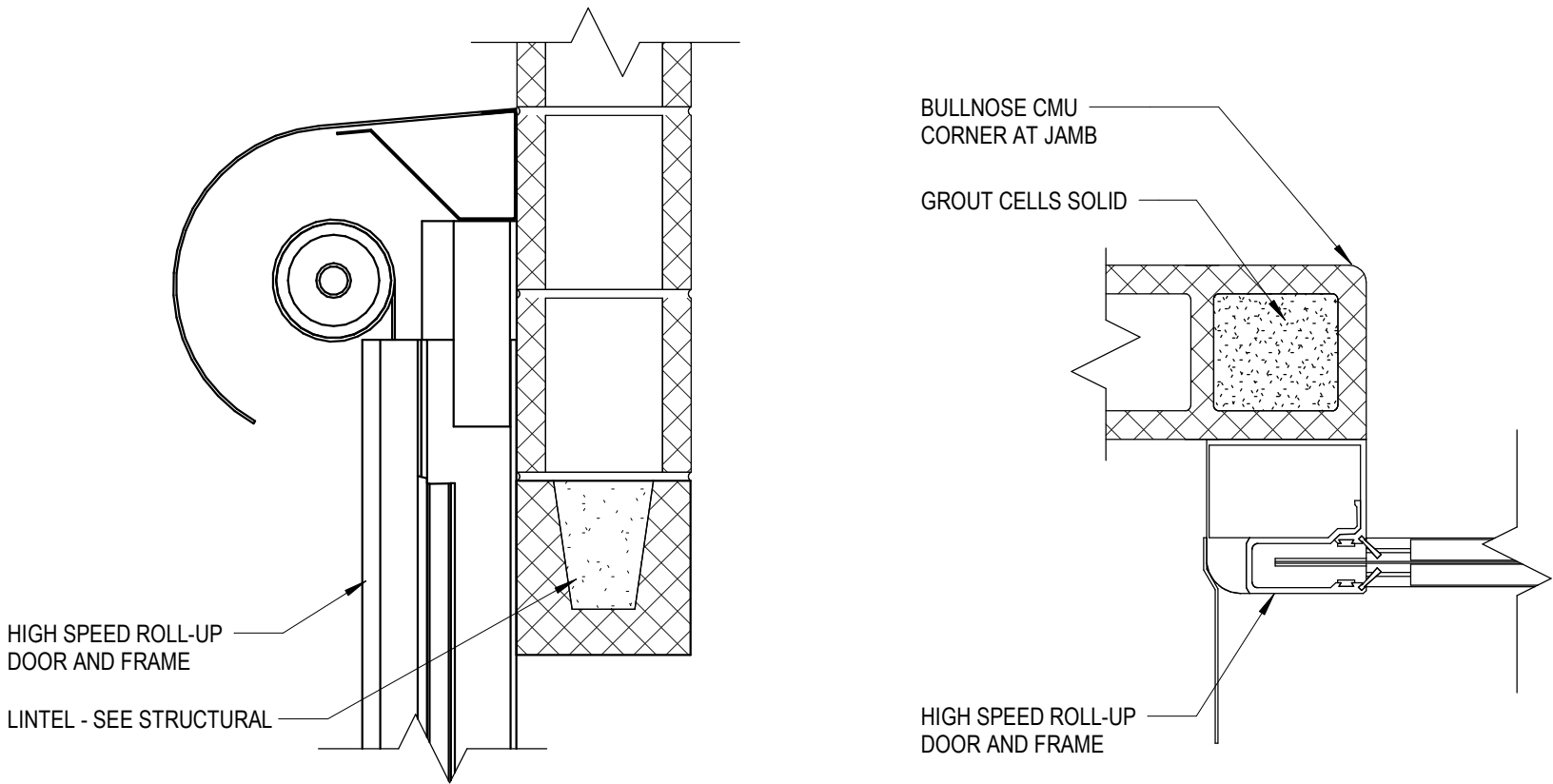
NUMBER	DOOR										SIDELITE & TRANSOM					FRAME					REMARKS	NUMBER
	LEAF QTY	SIZE			HGT	TYPE	MAT	FIN	GL	SIZE			GL	TYPE	MAT	FIN	DETAIL					
		WIDTH	UNEVEN							SL WIDTH	SL SILL HGT	TRNS HGT					HEAD	JAMB	SILL			
			A	B																		
1ST FLR																						
101	1	10'-0"			10'-0"	HSFD	--	--					--	--	--		D1/A600.2	D2/A600.2		101		
102-1	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					102-1		
102-2	1	9'-4"			10'-0"	OSSG2	ALUM	PREFINISHED					--	--	--					102-2		
102-3	1	9'-4"			10'-0"	OSSG2	ALUM	PREFINISHED					--	--	--					102-3		
102-4	1	9'-4"			10'-0"	OSSG2	ALUM	PREFINISHED					--	--	--					102-4		
102-5	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					102-5		
102-6	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					102-6		
102-7	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					102-7		
102-8	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					102-8		
103	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					103		
104-1	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT		B1/A600.2	B2/A600.2		104-1		
104-2	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT					104-2		
105-1	1	3'-0"			7'-0"	F	HM	PAINT		1'-10"			05C	HM	PAINT		B1/A600.2	B2/A600.2		105-1		
105-2	1	3'-0"			7'-0"	F	HM	PAINT		1'-10"			05C	HM	PAINT		B1/A600.2	B2/A600.2		105-2		
106	1	3'-0"			7'-0"	F	HM	STAIN		2'-0"			06	HM	PAINT		C1/A600.2	C2/A600.2		106		
107	1	3'-0"			7'-0"	F	HM	STAIN		2'-0"			06	HM	PAINT		C1/A600.2	C2/A600.2		107		
MEZZANINE																						
M01	1	3'-0"			7'-0"	F	HM	PAINT					01A	HM	PAINT		C1/A600.2	C2/A600.2		M01		

BORROWED LITE SCHEDULE

NUMBER	SIZE				DETAIL					REMARKS
	WIDTH	HGT	SILL HGT	GL	TYPE	MAT	HEAD	JAMB	SILL	
1ST FLR										
105-A	9'-0"	3'-4"	4'-0"		S2C	HM	A1/A600.2	A2/A600.2	A3/A600.2	

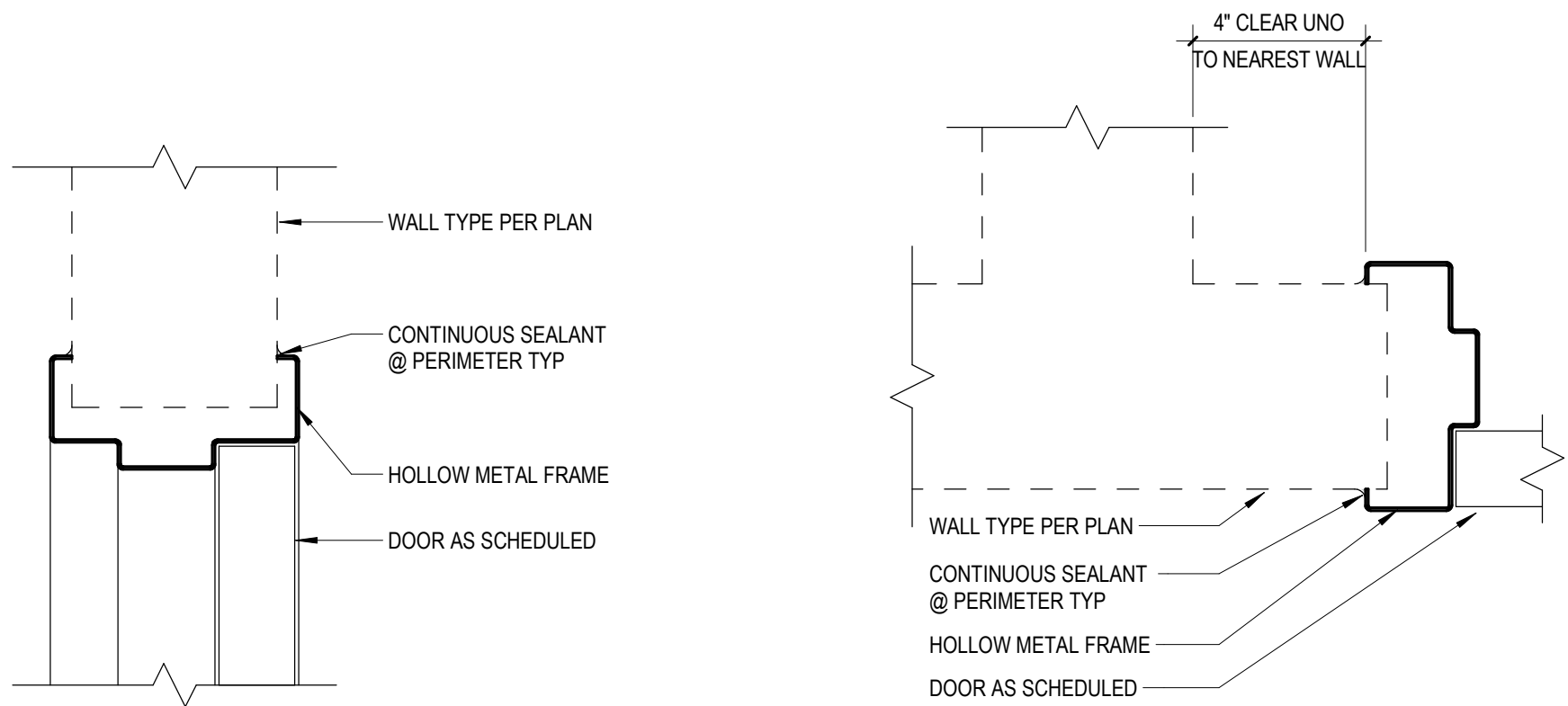
BORROWED LITE SCHEDULE

GENERAL NOTES									
A. ALL H.M. DOORS AND/OR FRAMES SHALL BE PAINTED PT-2 UNLESS NOTED OTHERWISE									



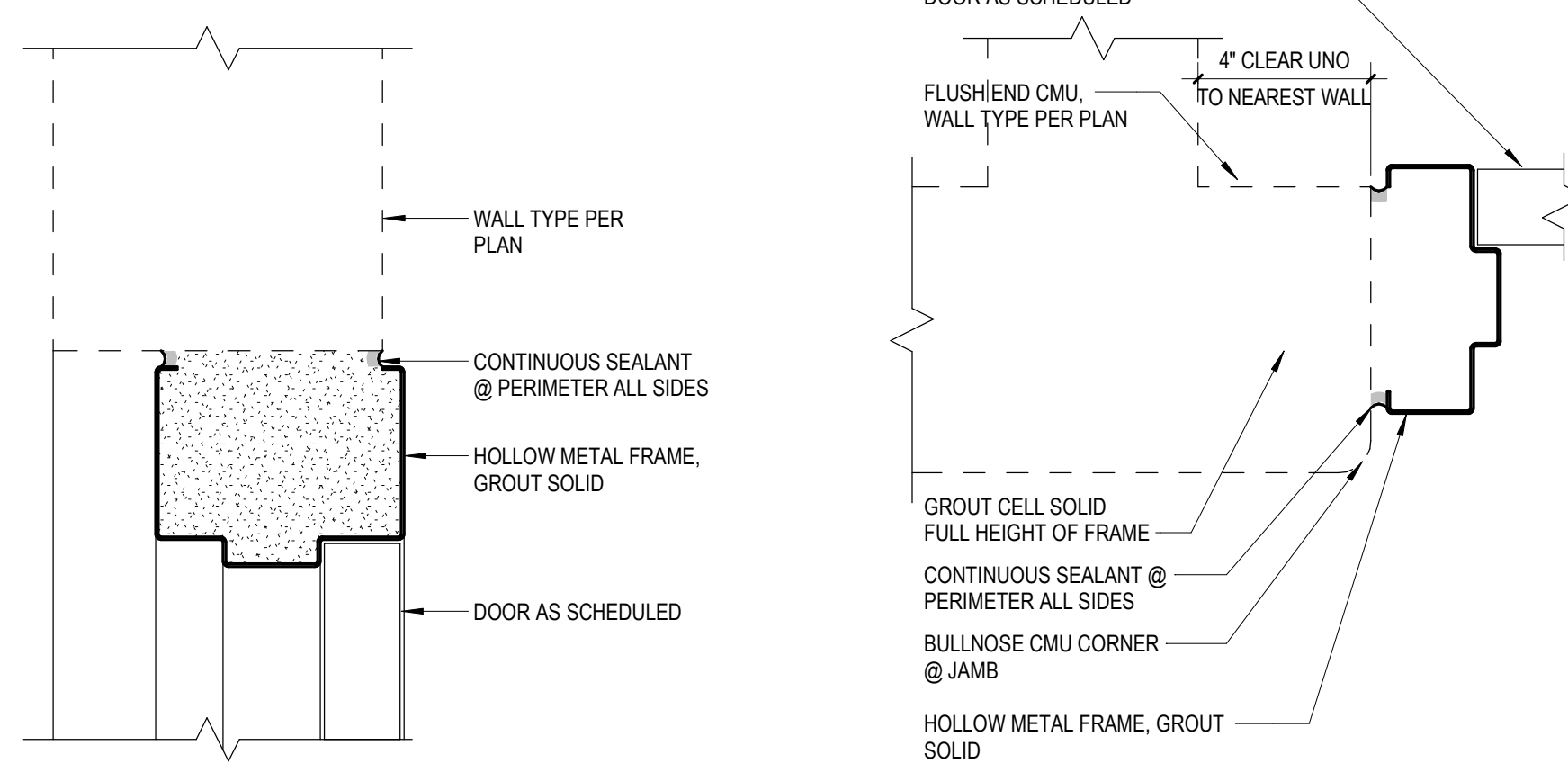
D1 HIGH SPEED DOOR HEAD-CMU
1 1/2" = 1'-0" | A600.2

D2 HIGH SPEED DOOR JAMB-CMU
1 1/2" = 1'-0" | A600.2



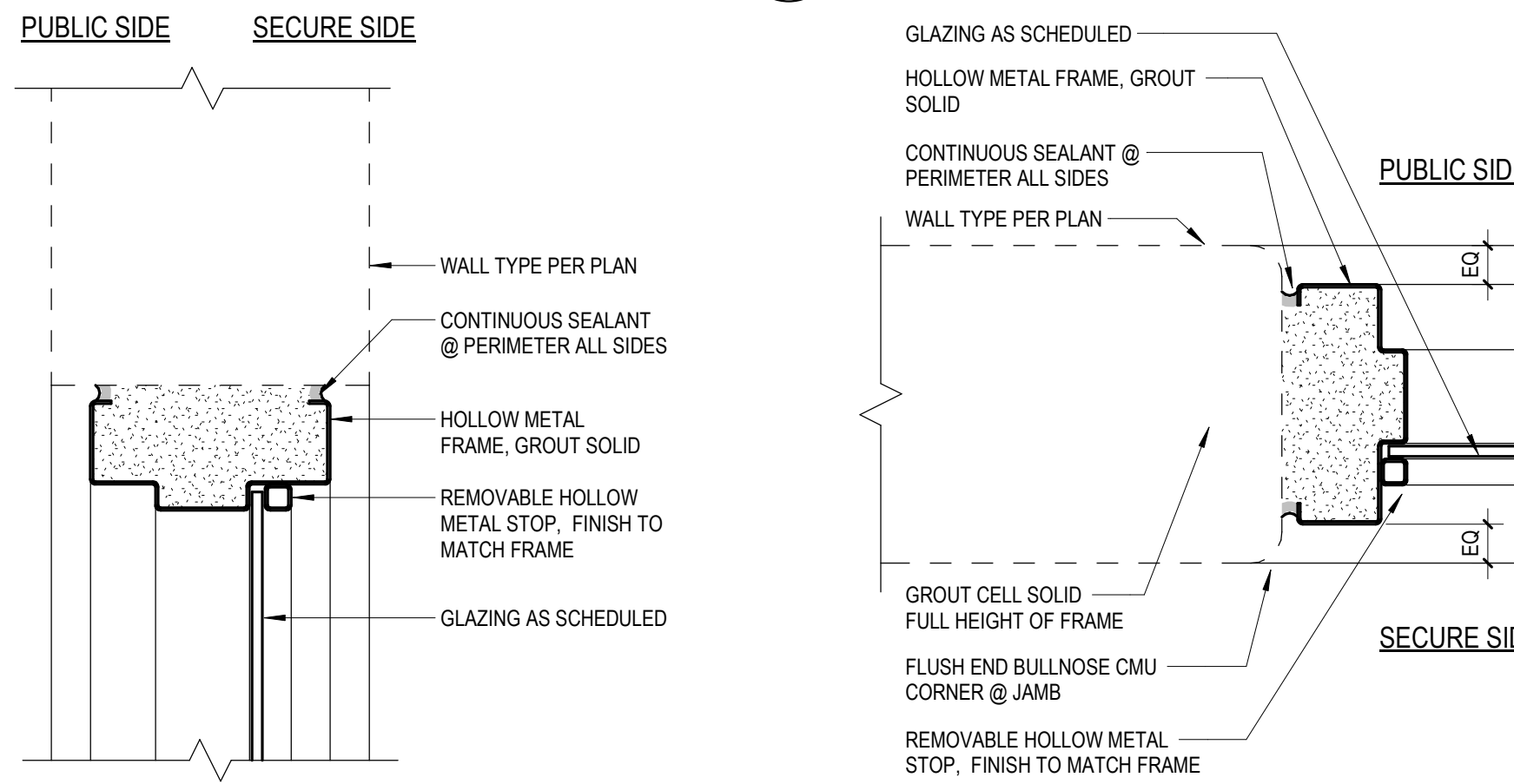
C1 HM DOOR HEAD-GYP BD
3" = 1'-0" | A600.2

C2 HM DOOR JAMB-GYP BD
3" = 1'-0" | A600.2



B1 HM DOOR HEAD-CMU
3" = 1'-0" | A600.2

B2 HM DOOR JAMB-CMU
3" = 1'-0" | A600.2



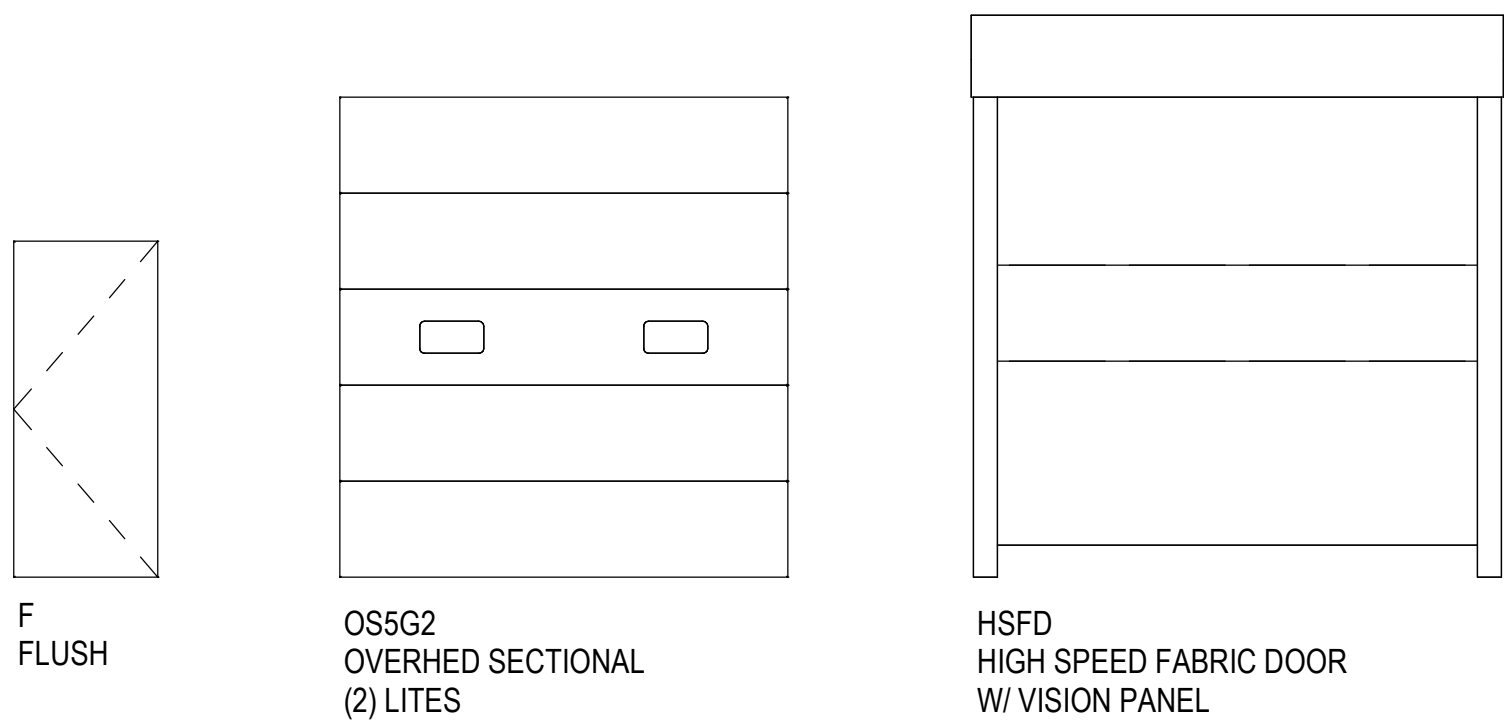
A1 HM BORROWED LITE HEAD-CMU
3" = 1'-0" | A600.2

A2 HM BORROWED LITE JAMB-CMU
3" = 1'-0" | A600.2

A3 HM BORROWED LITE SILL-CMU
3" = 1'-0" | A600.2

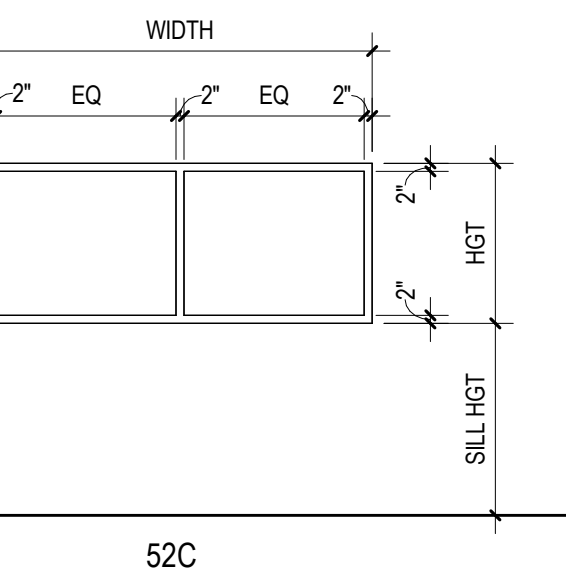
DIMENSION NOTES

WIDTH AND HEIGHT AS SCHEDULED UNLESS NOTED OTHERWISE. ADDITIONAL DIMENSIONS AS SPECIFIED.



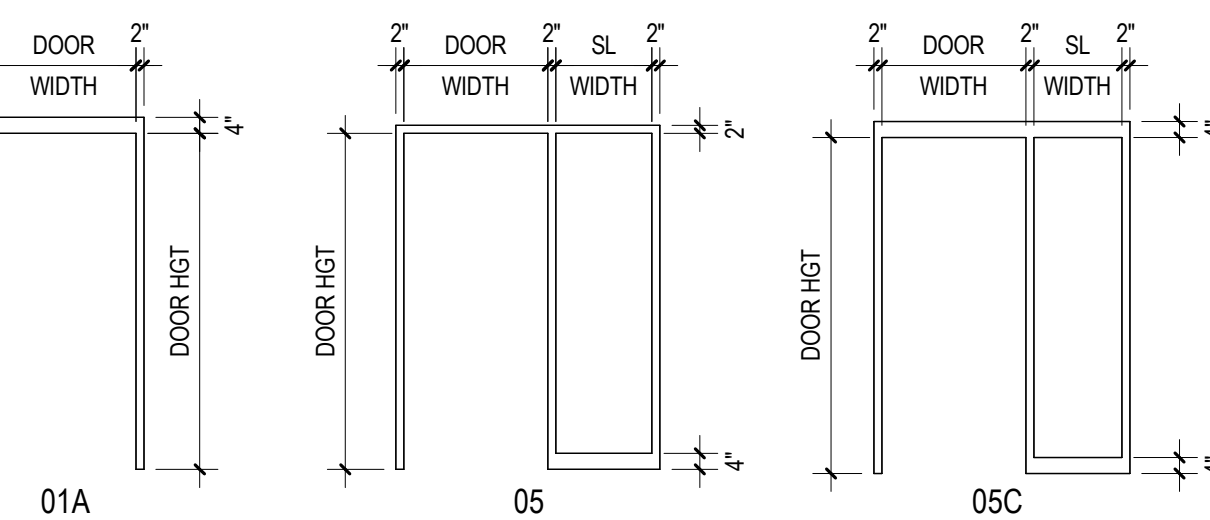
DOOR TYPES

1/4" = 1'-0"



DIMENSION NOTES

SIDELITE SILL HEIGHT, SIDELITE WIDTH, TRANSOM HEIGHT, DOOR HEIGHT AND DOOR WIDTH AS SCHEDULED UNLESS NOTED OTHERWISE.



FRAME TYPES

1/4" = 1'-0"

1

2

3

4

5

6

7

ABBREVIATIONS

A	ALARM	E	ELEVATION	I	INSULATION (ANTI SWEAT)
APP	ABOVE FINISHED FLOOR	ELCC	ELECTRICAL EQUIPMENT	IA	INSULATION (COLD)
ALT	ALTERNATE	EQIP	EQUIPMENT	ID	INSIDE DIAMETER
AP	ACCESS PANEL	ET	EXPANSION TANK	IE	INVERT ELEVATION
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	EW	ELECTRIC WATER COOLER	IN	INCHES
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	EXCH	EXCHANGER	INS	INSULATION
AVG	AVERAGE	EX	EXISTING	INV	INVERT
				ISO	ISOMETRIC
B	BUILDING	F	FEMALE	J	JUNCTION
BDG	BRITISH THERMAL UNITS	FCD	FLOOR CLEANOUT	JCT	JUNCTION
BTU	BOTTOM OF PIPE	FDN	FOUNDATION		
BOP	BALL VALVE	FLG	FLANGE	L	LEVEL
BW	BUTT WELD	FLR	FLOOR	LAT	LATERAL
		FP	FIRE PROTECTION	LAV	LAVATORY
C	COMPRESSION	FT	FOOT / FEET	LIBS	POUNDS
CB	CATCH BASIN	FTG	FITTING	LF	LINEAR FEET
CHK	CHECK	FV	FLUSH VALVE	LP	LOW PRESSURE
C	CATCH BASIN	FW	FIELD WELD		
CL	CAST IRON	G	NATURAL GAS	M	MALE
CL	CLEARANCE	GA	GAGE	MATL	MATERIAL
CO	CENTERLINE	GAL	GALLON	MAX	MAXIMUM
COL	COLUMN	GALV	GALVANIZED	MBH	1000 BTU/HOUR
CONC	CONCRETE	GC	GENERAL CONTRACTOR	MECH	MECHANICAL
COND	CONDENSATE	GCD	GROUND CLEANOUT	MFR	MANUFACTURER
CONN	CONNECTION	GPH	GALLONS PER HOUR	MH	MANHOLE
COW	COLD WATER	GPM	GALLONS PER MINUTE	MIN	MINIMUM
CWS	COLD WATER SUPPLY	GPM	GALLONS PER MINUTE	MSC	MISCELLANEOUS
CTE	CONNECT TO EXISTING	GPR	GAS PRESSURE REGULATOR	N	NOT IN CONTRACT
CUB	CUBIC	H	HANDICAPPED	NIP	NIPPLE
CJH	CABINET UNIT HEATER	HC	HOT WATER	NO	NUMBER
		HW	HORIZONTAL	NOM	NOMINAL
D	DOMESTIC COLD WATER	HP	HIGH PRESSURE	NOZZ	NOZZLE
DCW	DEGREE	HTR	HEATER	NTS	NOT TO SCALE
DEG	DOMESTIC HOT WATER				
DHW	DOMESTIC HOT WATER RETURN				
DF	DRINKING FOUNTAIN				
DA	DIAMETER				
DN	DOWN				
DS	DOWNSPOUT				

SYMBOL LEGEND

PLUMBING SYMBOLS

	DN		GATE VALVE
	UP		CHECK VALVE
	TEE DN		BALL VALVE
	TEE UP		PLUG VALVE
	CAP		FLOOR DRAIN
	UNION		FLOOR CLEANOUT
	REDUCER		WALL CLEANOUT
	STRAINER		CLEANOUT
	BACKFLOW PREVENTER		

GENERAL SYMBOLS

	DEMOLISHED
	EXISTING
	NEW
	CONNECT TO EXISTING
	LIMIT OF DEMOLITION
	POINT OF DEMOLITION
	POINT OF CONNECTION

PIPING LEGEND

DCW	DOMESTIC COLD WATER
ST	STORM PRIMARY
ST O	STORM OVERFLOW

GENERAL NOTES

- ALL PLUMBING WORK SHALL BE INSTALLED BY A LICENSED PLUMBING CONTRACTOR AND BE IN ACCORDANCE WITH THE WISCONSIN STATE LEGISLATURE SPS 380 - 387 PLUMBING CODE.
- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ADDITIONAL COST TO THE OWNER. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL. CAREFULLY REVIEW CONTRACT DOCUMENTS AND THE DESIGN OF OTHER...
- ANY CONFLICTS OF WORK SHALL BE BROUGHT TO THE ARCHITECT ATTENTION PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC. TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCT WORK, LIGHTS, CONDUIT, STRUCTURAL MEMBERS, ETC.
- ALL INVERTS SHALL BE VERIFIED IMMEDIATELY FOLLOWING AWARD OF CONTRACT. ALL INVERTS SHALL BE COORDINATED WITH STRUCTURAL FOOTINGS AND TRENCHING. COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. COORDINATE THE EXACT SIZE AND LOCATION OF ALL SLEEVES WITH STRUCTURAL ENGINEER. ALL PENETRATIONS SHALL BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- ALL DRAINAGE PIPING AND POTABLE WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS AS HIGH AS POSSIBLE.
- ALL SANITARY WASTE PIPING LESS THAN 3" SHALL SLOPED AT A MINIMUM OF 1/4 INCH PER FOOT. SANITARY PIPING 3" AND ABOVE SHALL BE SLOPED AT A MINIMUM OF 1/8 INCH PER FOOT, UNLESS NOTED OTHERWISE.
- COORDINATE ALL UNDERGROUND PIPING WITH WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL PLUMBING FIXTURES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
- MAKE FINAL CONNECTION TO ALL EQUIPMENT INDICATED ON DRAWINGS. FINAL CONNECTION SHALL INCLUDE ANY ADAPTERS, NIPPLES SHUTOFF VALVES, PRESSURE REGULATING VALVES, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, ETC.
- ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCKOUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
- THE USE OF SPLIT CLAMP AND THREADED ROD TO SUPPORT VERTICAL PIPE ALONG WALLS, OR COLUMNS IS PROHIBITED. PROVIDE B-LINE 22 STRUT & B-2000 PIPE CLAMP. SUPPORT ALL PIPE RISES AT BASE OF RISER.
- HANG PIPE FROM SUBSTANTIAL BUILDING STRUCTURE. DO NOT HANG PIPE FROM OTHER PIPING, DUCTWORK, CEILINGS OR STEEL DECKING.
- DO NOT USE "C" CLAMPS TO SUPPORT PIPE HANGERS FROM THE STRUCTURE.
- WHERE COMBUSTIBLE PIPING MATERIALS ARE INSTALLED WITHIN AN AIR PLENUM, PROVIDE FIRE WRAP PLENUM INSULATION OF THICKNESS SUFFICIENT TO MEET THE REQUIREMENTS OF IMC 602.2.1.



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D

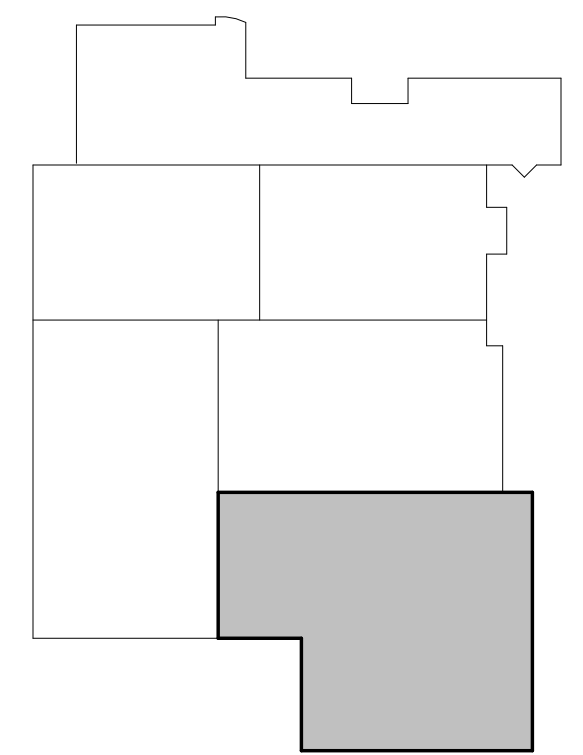
600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN



B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	XX
PROJECT NUMBER	923674

A

GENERAL
PLUMBING INFO

P000

© 2024 Epstein Uhan Architects, Inc.

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NO.	VALVE/FAUCET	CONNECTION SIZE	TRAP SIZE	REMARKS
RH-1	FREEZELESS ROOF HYDRANT	WOODFORD	SRH-MS	-	3/4"	-	3/4" NPT INLET AND 3/4" HOSE CONNECTION. PROVIDE MOUNTING SYSTEM WITH CAST IRON SUPPORT, UNDERDECK FLANGE, WELL SEAL, EPDM BOOT COVER, AND SHIM. ASSE 1057 LISTED. DRAINLESS.

DRAIN SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
DN-1	DOWNSPOUT NOZZLE	ZURN	Z199-DC	ROUND FABRICATED STAINLESS STEEL FRAME WITH PERFORATED STAINLESS STEEL HINGED STRAINER, COORDINATE W WALL FINISH TYPE TO HIDE THE ANCHOR FLANGE RING. BARREL TO EXTEND APPROXIMATELY 1" BEYOND SURFACE OF EXTERIOR WALL.
FCO-1	EXTRA HEAVY DUTY FLOOR CLEANOUT	ZURN	Z1400	EXTRA HEAVY DUTY ADJUSTABLE FLOOR CLEANOUT WITH CAST IRON BODY AND SCORiated CAST IRON EXTRA HEAVY DUTY TOP THAT IS ADJUSTABLE TO FINISHED FLOOR.
ORD-1	OVERFLOW ROOF DRAIN	ZURN	Z100F-C-EA-R-89	HIGH EFFICIENT FLOW CAST IRON BODY ROOF DRAIN COMPLETE WITH 2" HIGH OVERFLOW DAM, MEMBRANE FLASHING CLAMP/GRAVEL STOP, SUMP RECEIVER, UNDERDECK CLAMP. ADJUSTABLE EXTENSION ASSEMBLY AS NEEDED, AND POLY DOME.
RD-1	ROOF DRAIN	ZURN	Z100F-C-EA-R	HIGH EFFICIENT FLOW CAST IRON BODY ROOF DRAIN COMPLETE WITH MEMBRANE FLASHING CLAMP/GRAVEL STOP, SUMP RECEIVER, UNDERDECK CLAMP, ADJUSTABLE EXTENSION ASSEMBLY AS NEEDED, AND POLY DOME.

KEYNOTES PER SHEET	
P2	COORDINATE FLOOR CLEANOUT WITH RACKING SO ITS ACCESSIBLE.
P3	CONNECT TO STORM SEWER FOR CONTINUATION UNDER BUILDING TO NEW CATCH BASIN. INVERT ELEVATION = 622.52 FT. FFE = 631.70 FT.
P4	CONNECT TO 10" STORM SEWER. INVERT ELEVATION = 621.60 FT. DOCK ELEVATION = 627.65 FT. INTERIOR FFE = 631.70 FT.



milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

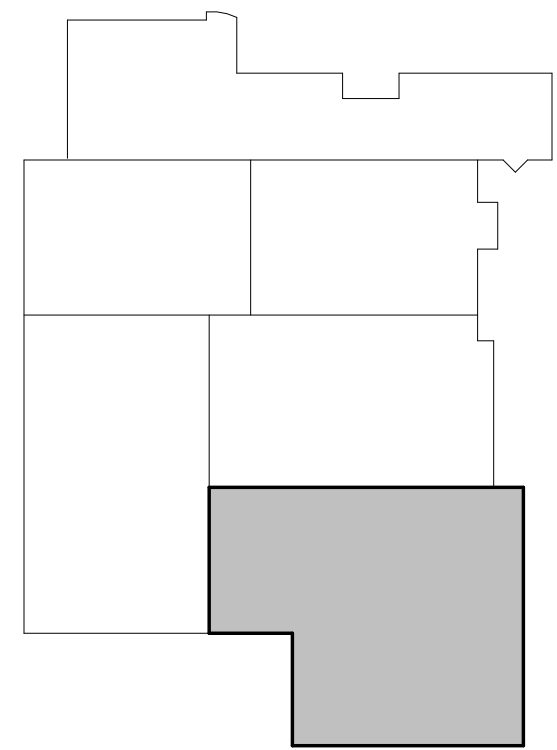
600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN



B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

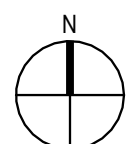
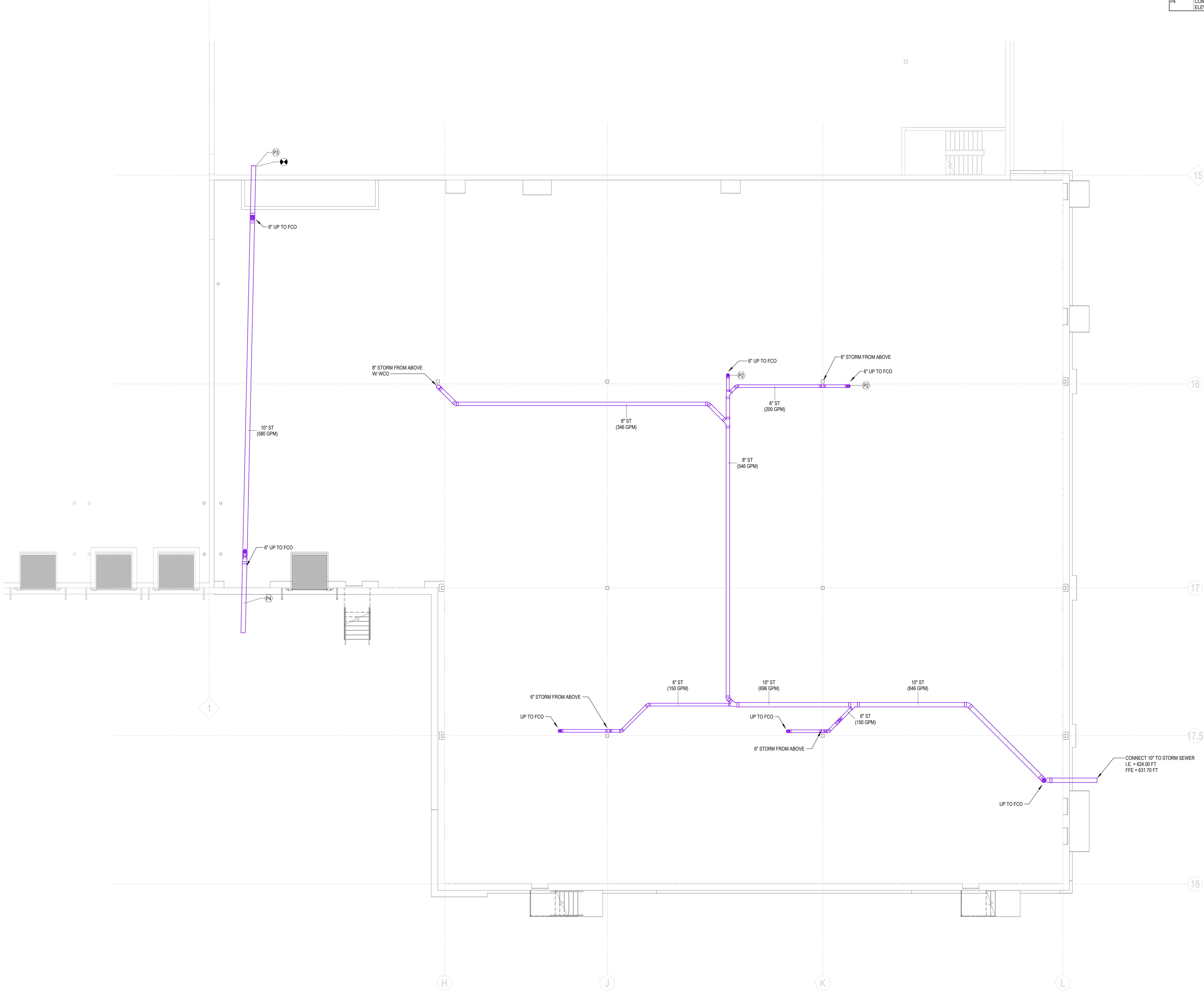
PROJECT MANAGER XX

PROJECT NUMBER 923674

UNDERGROUND
PLUMBING PLAN -
ADDITION

P100.2

© 2024 Epstein Uhan Architects, Inc.



A2

UNDERGROUND PLUMBING PLAN - ADDITION

1/8" = 1'-0" | P100.2

1

2

3

4

5

6

7

KEYNOTES PER SHEET	
P1	CONNECT 3/4" DOMESTIC COLD WATER TO EXISTING DOMESTIC COLD WATER IN EXISTING BUILDING. ROUTE WATER DOWN AS NEEDED NEAR COLUMN TO 3 FT ABOVE FINISHED FLOOR AND PROVIDE ACCESSIBLE BALL VALVE. ROUTE WATER BACK UP TO TRUSS SPACE TO SERVE ROOF HYDRANT.
P2	COORDINATE FLOOR CLEANOUT WITH RACKING SO ITS ACCESSIBLE.



E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

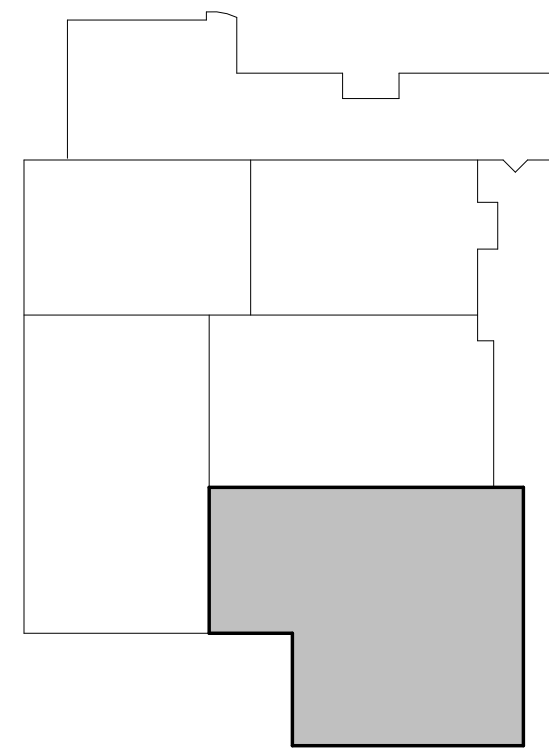
600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN



B

SHEET INFORMATION

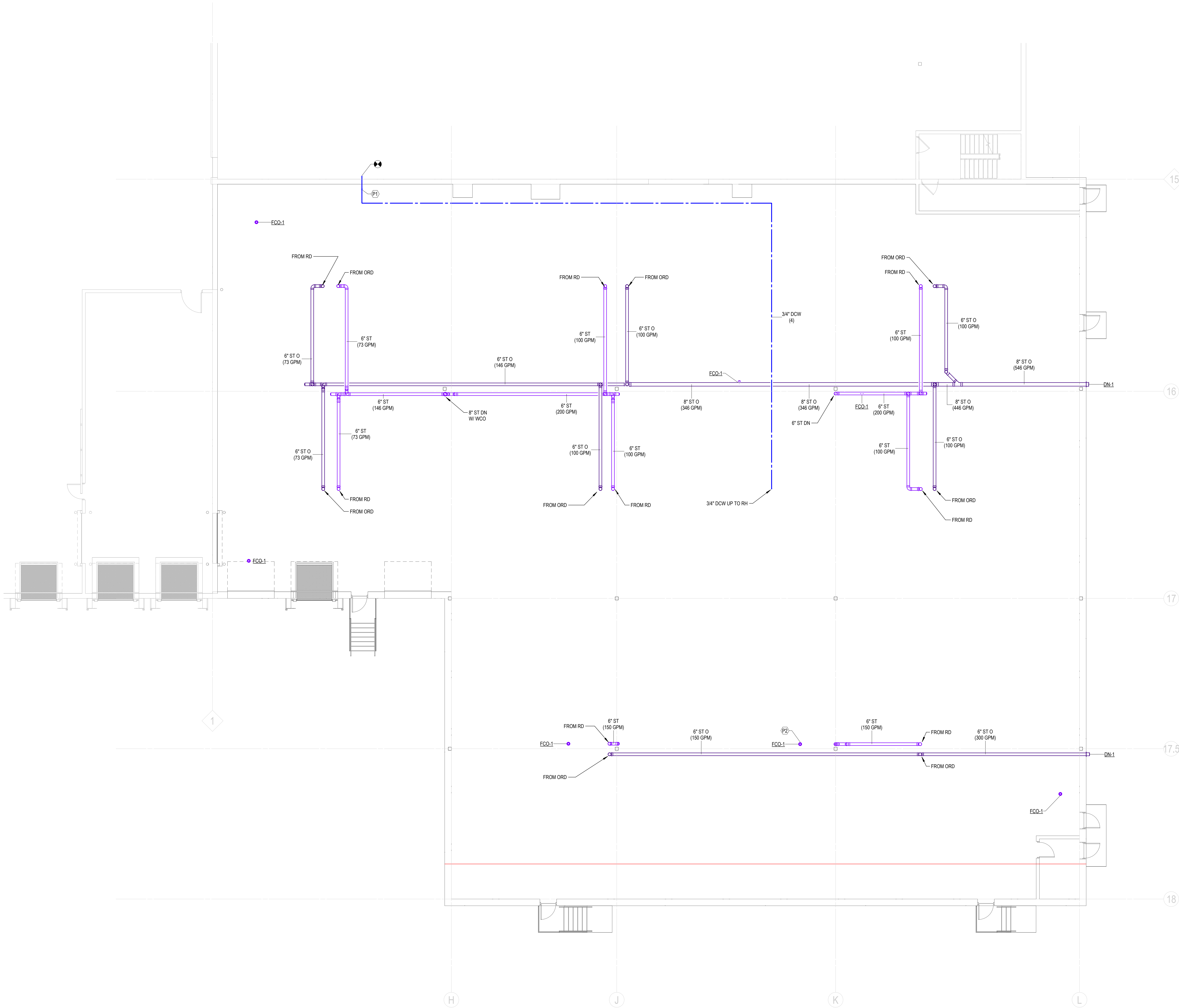
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER XX
PROJECT NUMBER 923674

1ST FLR PLUMBING
PLAN - ADDITION

P101.2

© 2024 Epstein Uhan Architects, Inc.



1 1ST FLR PLUMBING PLAN - ADDITION
1/8" = 1'-0" | P101.2

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

D

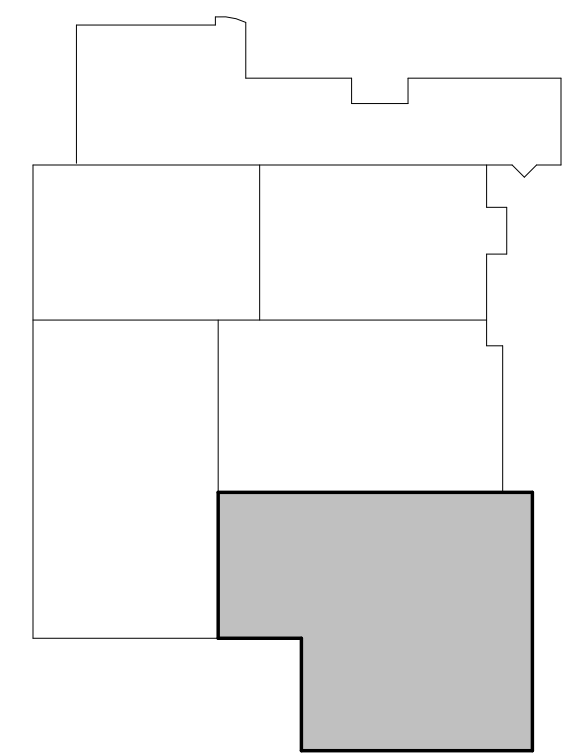
600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN



B

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER XX

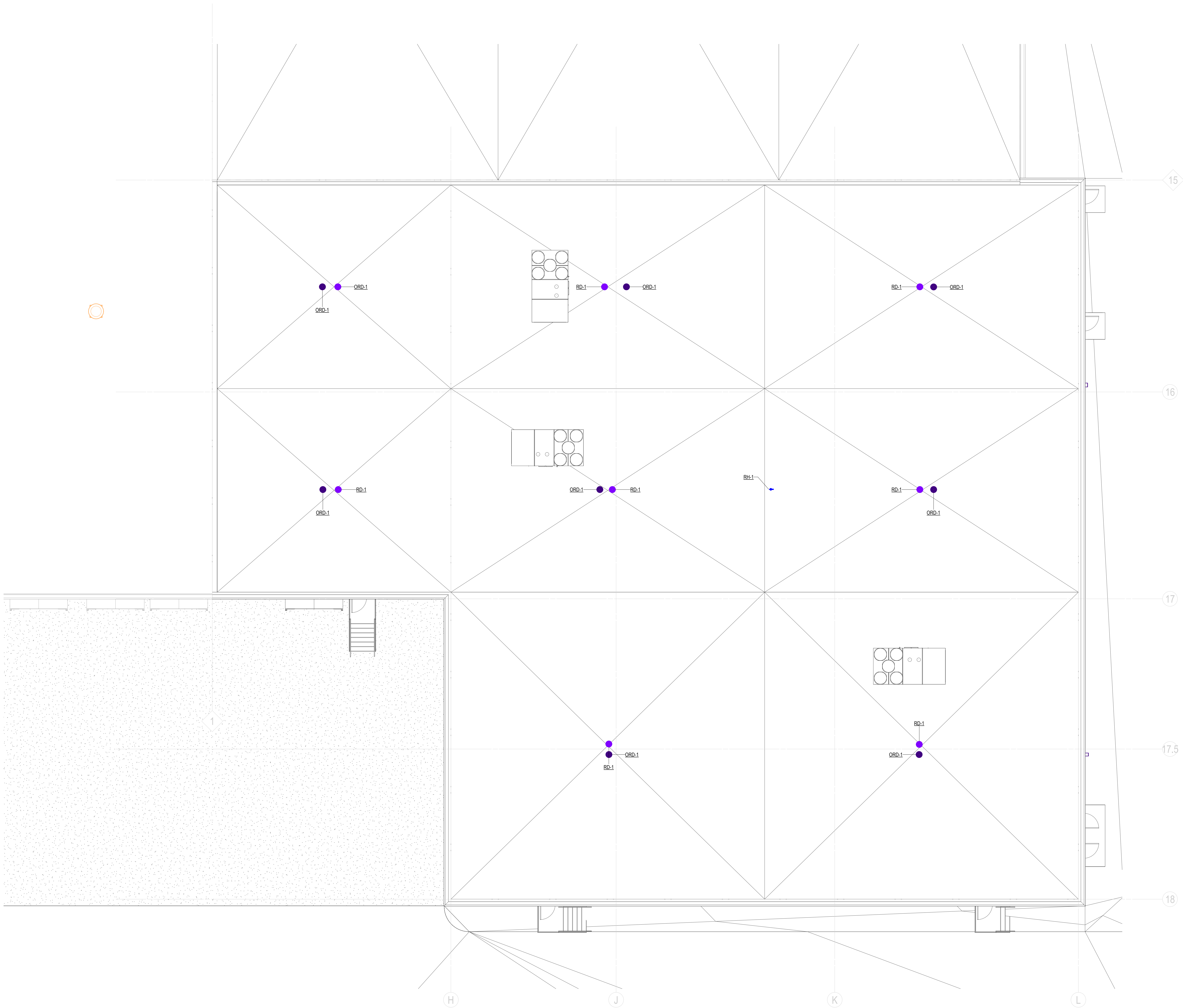
A

PROJECT NUMBER 923674

ROOF PLUMBING
PLAN - ADDITION

P103.2

© 2024 Epstein Uhan Architects, Inc.



Belmark Plant 1 Expansion

D 600 Heritage Road
De Pere, WI 54115

DATE	DESCRIPTION
------	-------------

DATE	DESCRIPTION
------	-------------

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

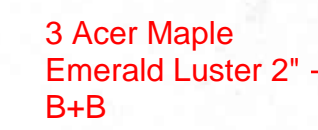
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT NUMBER B0039-09-24-00174

LANDSCAPING PLAN

L1

© 2023 Eppstein Uhen Architects, Inc.



— Existing trees to remain

— Boxwood (*Buxus* spp)
(planted to form a continuous
hedge at plant maturity)
(min 3' tall at planting)

Place stone mulch in interior island. Match existing stone mulch

EFFE
ELE V=631.67

3 Little Devil Ninebark 15-18"

4 Shenandoah Switch Grass 15"-18"

2 Azalea Lemon Lights 15"-18"

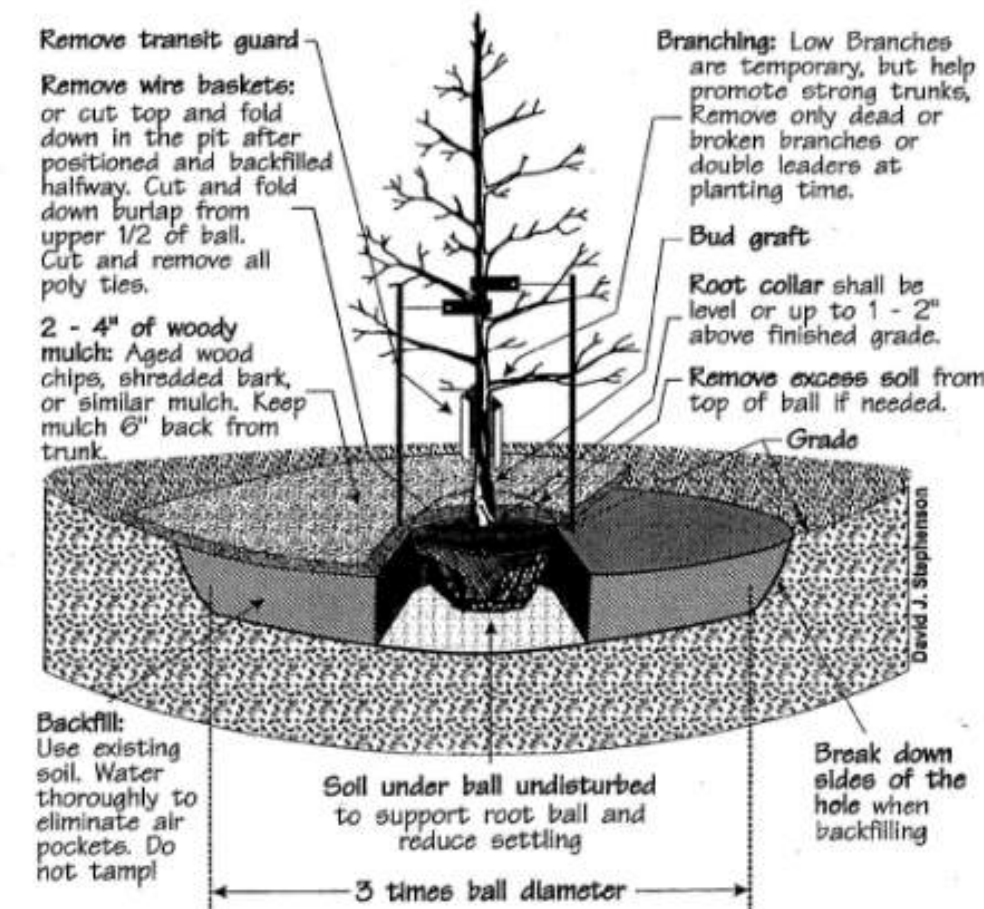
6 moonbeam Coreopsis 12" L 15" W

10 Geranium Bloody Cranesbill 12" - 15"

Regal Prince Oak Tree 1 $\frac{1}{2}$ " 2" R+R ^C

3 Hertz Midget Arborvitae 12"-15"

Proper Tree Planting Diagram

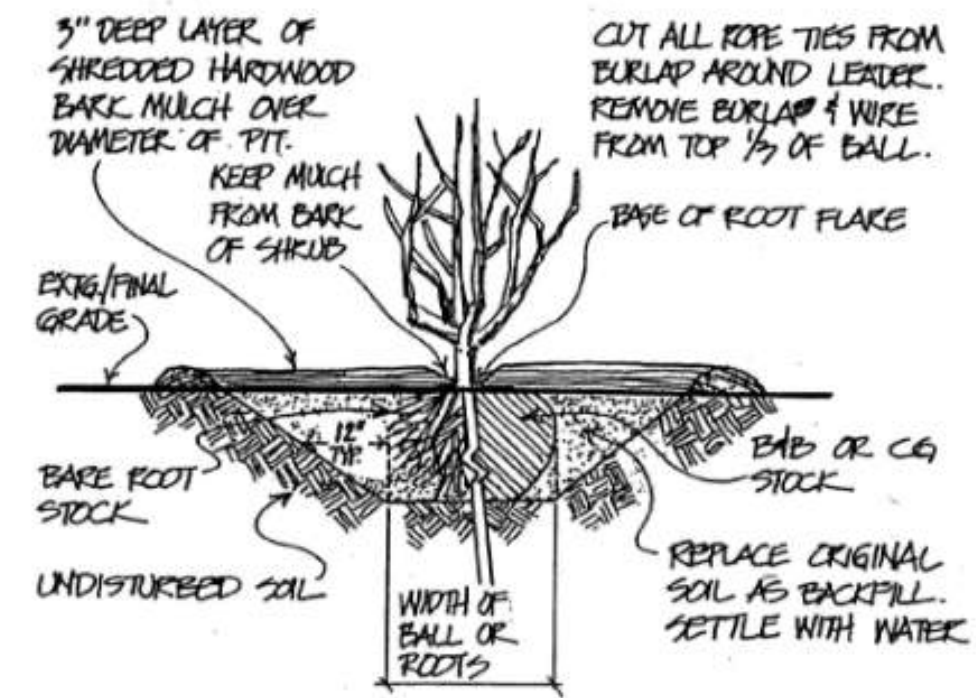


Stake only if you have to. Use 2-3"-wide webbing straps and secure to stakes with heavy gauge wire. The wire should be able to stick straight out from the stake and hold the webbing strap up, preventing it from sliding down the tree. Do not stake tightly - trees gain strength from movement. Remove all stakes after one year.

Use of tree wrap is not recommended, as it causes a number of problems for the tree.

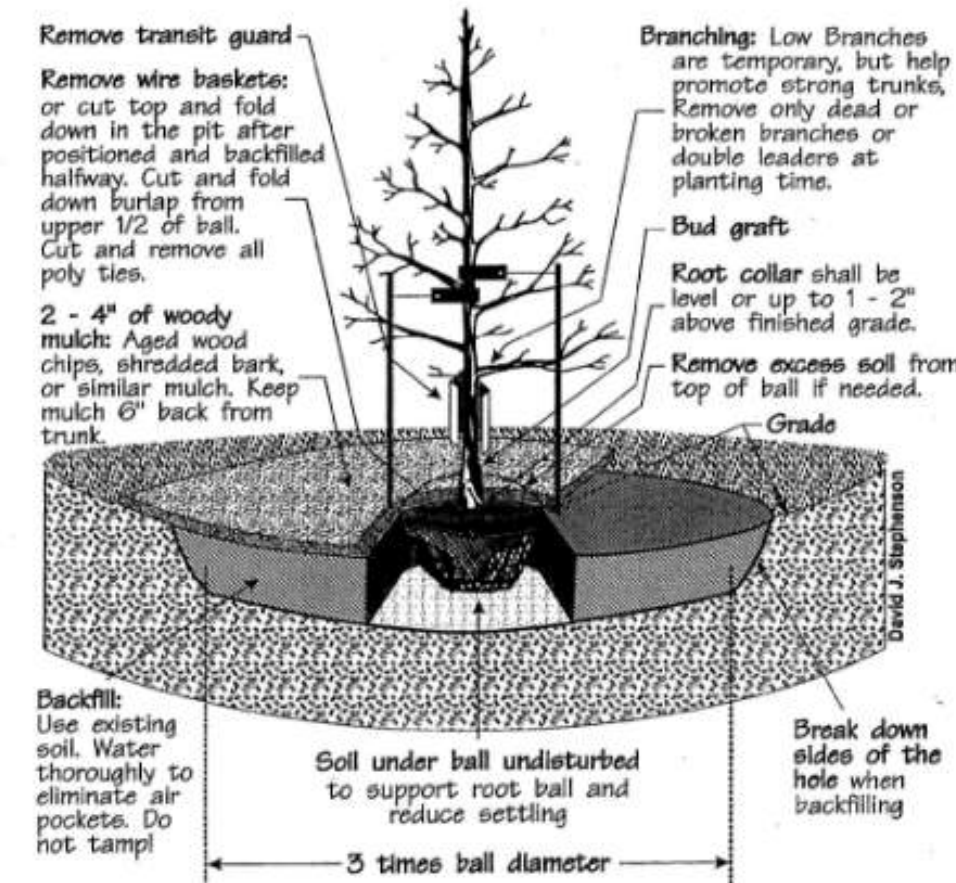
After landscaping is installed, the landscaper will provide a statement verifying that all landscaping has been installed according to the approved landscaping plan.

○ SHRUB PLANTING DETAIL
NO SCALE



SHRUB PLANTING DETAIL
TO SCALE

Proper Tree Planting Diagram



Stake only if you have to. Use 2-3\"/>

Use of tree wrap is not recommended, as it causes a number of problems for the tree.

After landscaping is installed, the landscaper will provide a statement verifying that all landscaping has been installed according to the approved landscaping plan.

2 Hydrangea Little Quick Fire 15\"/>

17 Hydrangea Little Quick Fire 15\"/>

Lawn Area

Lawn Area

Lawn Area

Regal Prince Oak Tree 1 1/2\"/>

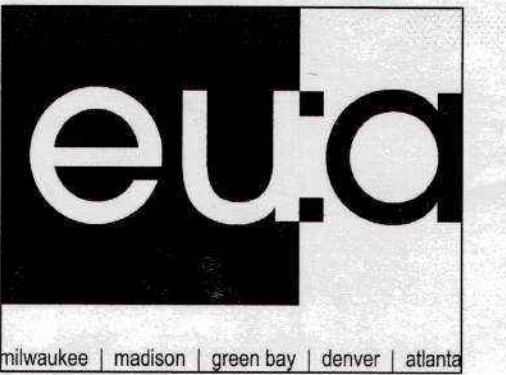
4 Hydrangea Little Quick Fire 15\"/>

Mulch line. Match existing stone mulch

7 Acer Maple Emerald Luster 2\"/>



SCALE - FEET
10 5 0 5 10



PROJECT INFORMATION

Belmark Plant 1 Expansion

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

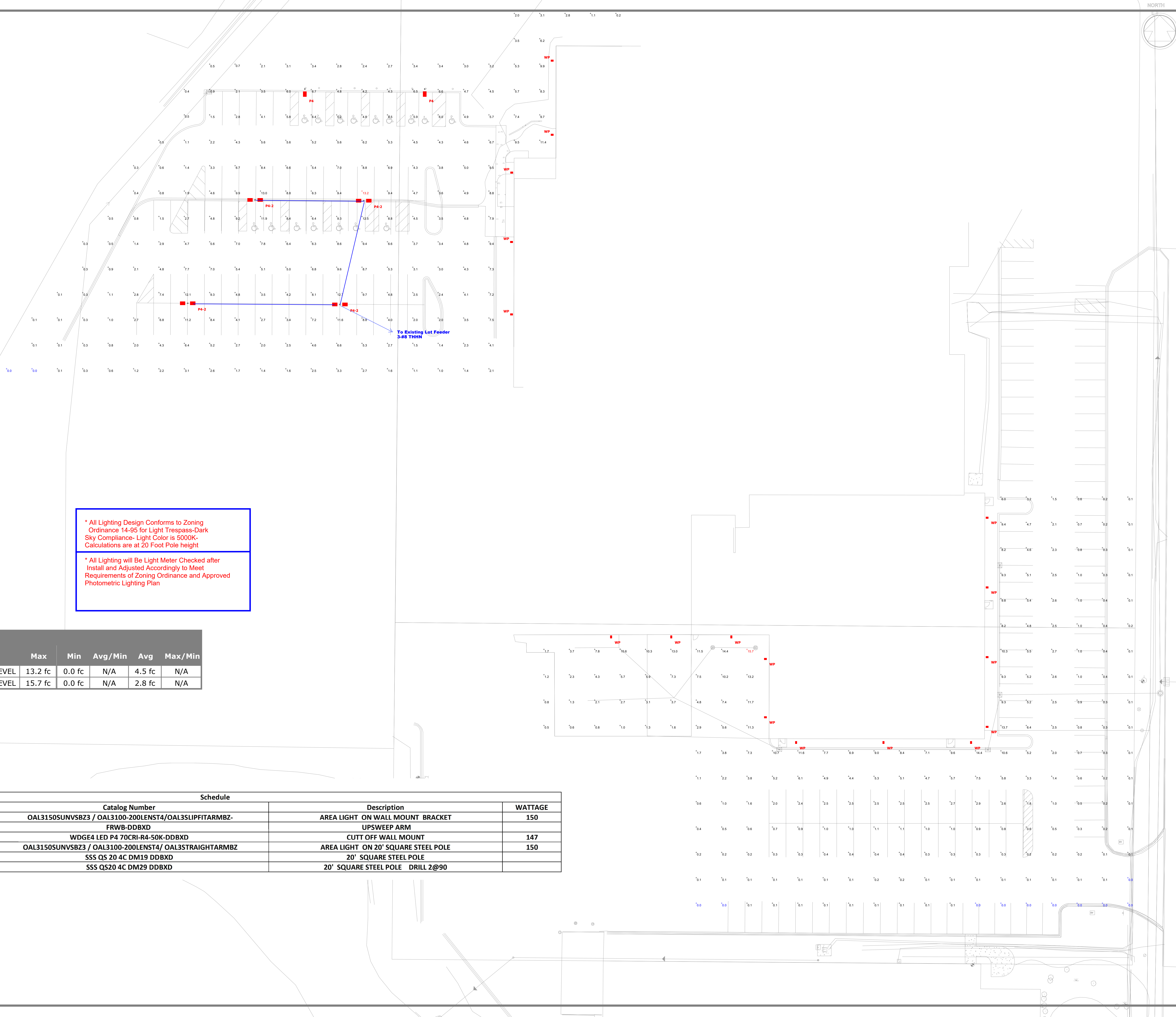
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RJW

PROJECT NUMBER B0039-09-24-00174

LANDSCAPING PLAN

L2



* All Lighting Design Conforms to Zoning Ordinance 14-95 for Light Trespass-Dark Sky Compliance- Light Color is 5000K- Calculations are at 20 Foot Pole height

* All Lighting will Be Light Meter Checked after Install and Adjusted Accordingly to Meet Requirements of Zoning Ordinance and Approved Photometric Lighting Plan

Statistics						
Symbol	Description	Max	Min	Avg/Min	Avg	Max/Min
+	CALCS @ GRADE LEVEL	13.2 fc	0.0 fc	N/A	4.5 fc	N/A
+	CALCS @ GRADE LEVEL	15.7 fc	0.0 fc	N/A	2.8 fc	N/A

Schedule				
Label	Manufacturer	Catalog Number	Description	WATTAGE
WP	NICOR	OAL3150SUNVSBZ3 / OAL3100-200LENST4/OAL3SLIPITARMBZ-	AREA LIGHT ON WALL MOUNT BRACKET	150
WP-ARM	ACUITY B	FRWB-DDBXD	UPSWEEP ARM	
WP1	ACUITY B	WDGE4 LED P4 70CRI-R4-50K-DDBXD	CUTT OFF WALL MOUNT	147
P4	NICOR	OAL3150SUNVSBZ3 / OAL3100-200LENST4/ OAL3STRAIGHTARMBZ	AREA LIGHT ON 20' SQUARE STEEL POLE	150
POLE		SSS QS 20 4C DM19 DDBXD	20' SQUARE STEEL POLE	
POLE		SSS QS20 4C DM29 DDBXD	20' SQUARE STEEL POLE DRILL 2@90	



E

PROJECT INFORMATION
Belmark Plant 1
Expansion

D 600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS	
DATE	DESCRIPTION

C

KEY PLAN

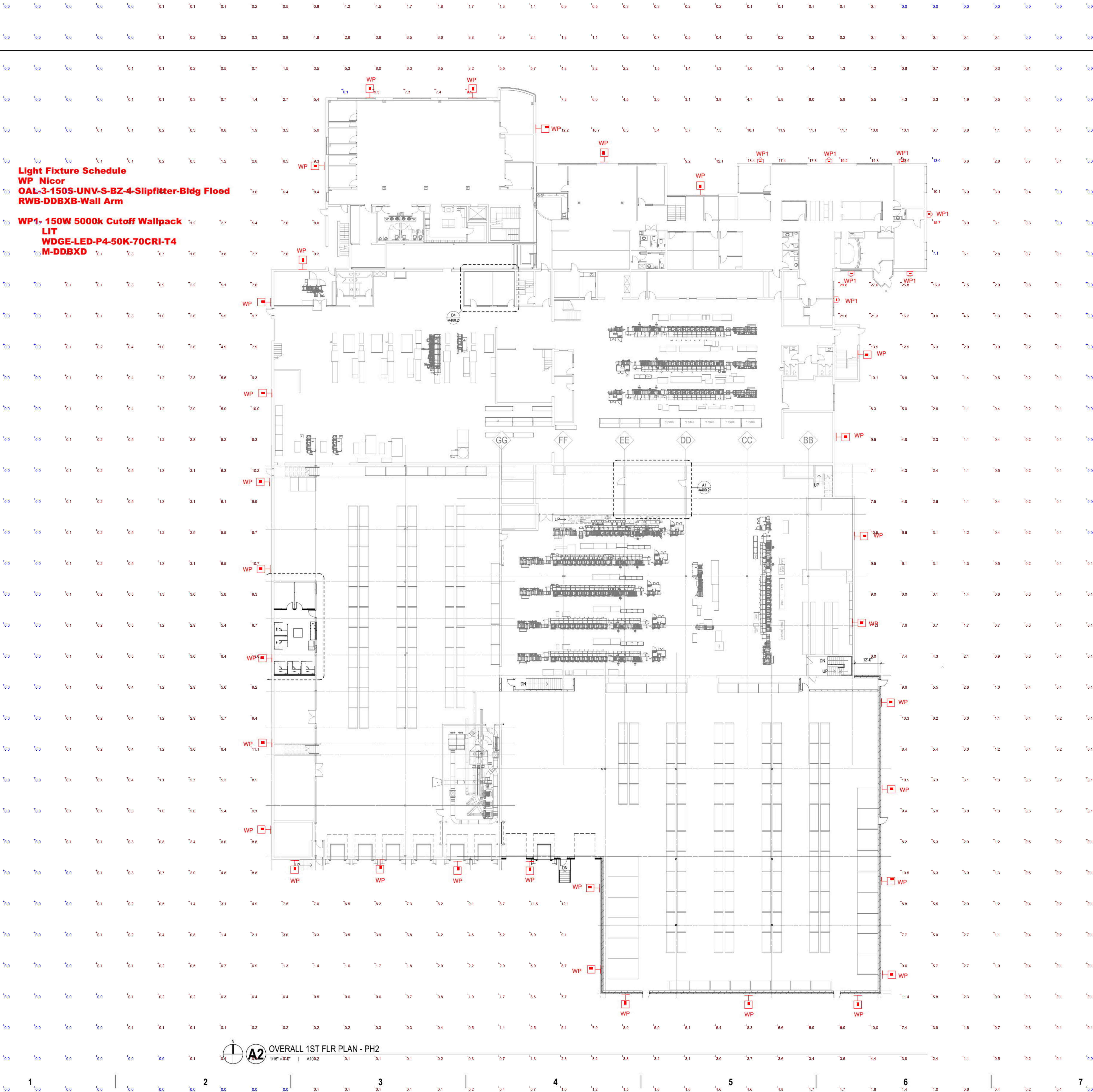
B



SHEET INFORMATION
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction related purposes.

PROJECT MANAGER	PM
A PROJECT NUMBER	923674

OVERALL 1ST FLR
PLAN
E103.1
© 2023 Eppen Uten Architects, Inc.

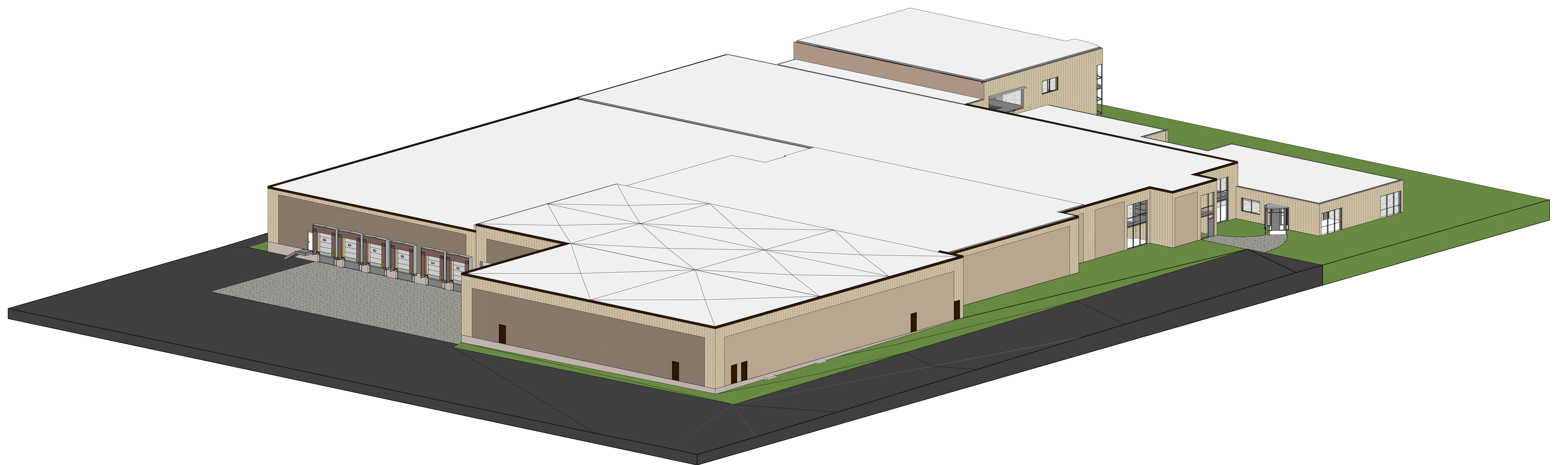


OVERALL 1ST FLR PLAN - PH2

Plan View
Scale = 1" = 20'

Statistics						
Description	Symbol	Max	Min	Max/Min	Avg/Min	Avg
CALCS @ GRADE LEVEL	+	29.8 fc	0.0 fc	N/A	N/A	2.4 fc

Schedule					
Label	Quantity	Manufacturer	Catalog Number	Description	WATTAGE
WP	31	NICOR	OAL3150SUNVSBZ3 / OAL3100-200LENST4/OAL3SLIPFITARMBZ-	AREA LIGHT ON WALL MOUNT BRACKET	150
WP-ARM	31	ACUITY B	FRWB-DBXD	UPSWEEP ARM	
WP1	7	ACUITY B	WDGE4 LED P4 70CRI-R4-50K-DBXD	CUTT OFF WALL MOUNT	147





milwaukee | madison | green bay | denver | atlanta

E

PROJECT INFORMATION

Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

C

KEY PLAN

B

SHEET INFORMATION

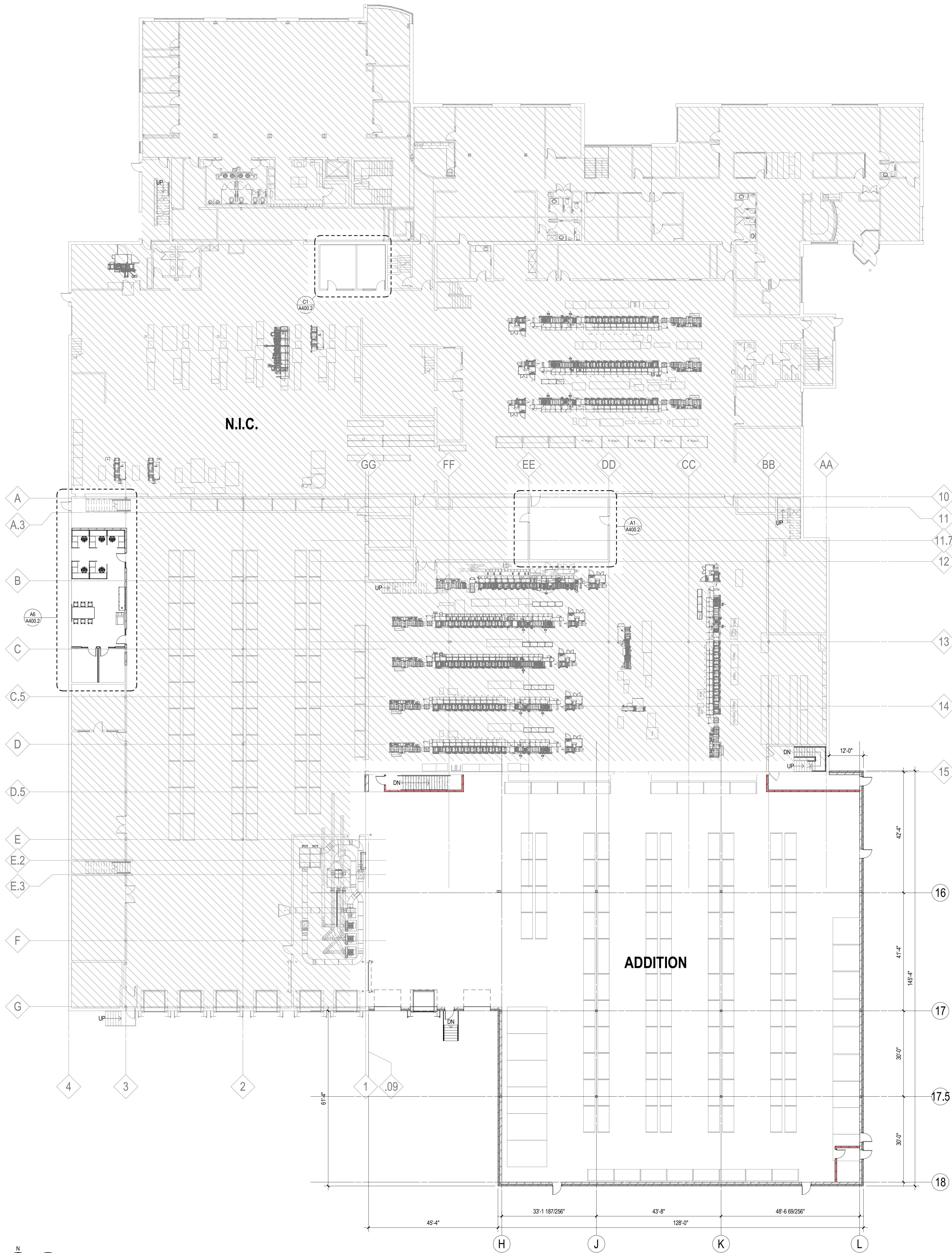
**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER PM
PROJECT NUMBER 923674

OVERALL 1ST FLR
PLAN

A101.2

© 2023 Epstein Uhen Architects, Inc.



A2 OVERALL 1ST FLR PLAN
1/16" = 1'-0" | A101.2

1

2

3

4

5

6

7

SHEET NOTES -
EXTERIOR ELEVATIONS

1.

SEE SHEET <XXXX> FOR EXTERIOR FRAME TYPES AND DIMENSIONS.

2.

PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL PRECAST CONCRETE JOINTS.

3.

ALL INSIDE AND OUTSIDE CORNERS OF PRECAST TRIM TO NOT BE MITERED.

4.

EXTERIOR SIGNAGE ON BUILDING TO BE COORDINATED AND VERIFIED WITH ARCHITECT, OWNER AND SIGNAGE VENDOR.

5.

ALL VERTICAL INSIDE CORNERS TO HAVE 1/2" MOVEMENT JOINT.

6.

MJ = INDICATES MOVEMENT JOINT - 1/2" GAP.

7.

PJ = INDICATES METAL PANEL JOINT - 1/2" GAP.

KEYNOTES PER SHEET

euta

milwaukee | madison | green bay | denver | atlanta

PROJECT INFORMATION

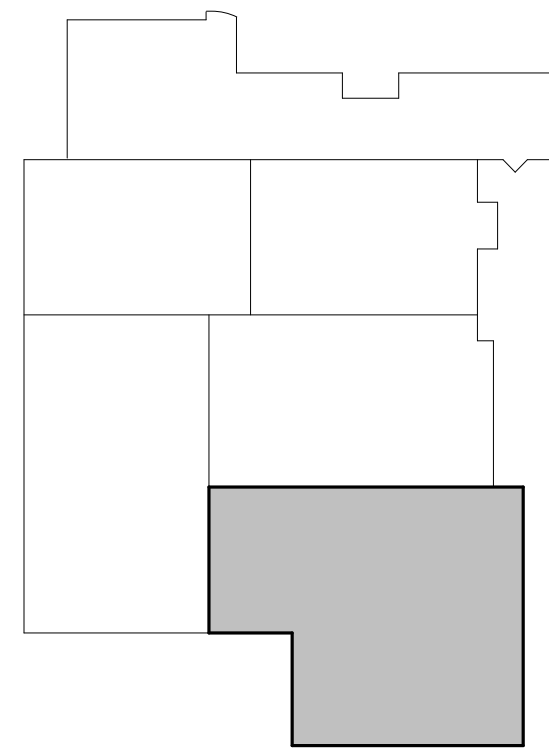
Belmark Plant 1 -
Phase 5 Warehouse
Addition

600 Heritage Road
De Pere, WI 54115

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
------	-------------

KEY PLAN



SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	PM
PROJECT NUMBER	923674

EXTERIOR
ELEVATIONS

A200.2

© 2023 Epstein Uhen Architects, Inc.

