



Planning/Zoning Application

Planning & Zoning Department

Submitted On:

Aug 15, 2024, 02:10PM EDT

Parcel Number: (Include ALL parcels)	WD-L-176-1
Nearest property address to the project site:	Street Address: 1414 Builders Court City: De Pere 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 preapplication meeting?	Yes
Property Owner:	First Name: Eric Last Name: Gulbrandson
Is the property owner's address the same as the nearest property address?	No
Property Owner's Address:	Street Address: Gypsum Management & Supply, Inc. Property Owner's Address: 100 Crescent Center Parkway City: Tucker State: GA Zip: 30084
Property Owner's Phone Number:	612-695-0466
Property Owner's Email Address:	eric.gulbrandson@tamarackmaterials.com
Is someone processing the project for the property owner as their authorized representative?	Yes
Authorized Representative's Name:	First Name: Patrick Last Name: Kuehl

Authorized Representative's Business Name:		Robert E Lee & Associates, Inc
Authorized Representative's Phone Number:		920-544-4453
Authorized Representative's Email Address:		pkuehl@releeinc.com
Please attach a PDF copy of the site plan.		BADGERLAND SUPPLY SITE DEVELOPMENT 24X36 - 2024-08-15.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?		Online with a credit card
Total Due:		\$350.00
Signature Data	First Name: Patrick Last Name: Kuehl Email Address: pkuehl@releeinc.com	
	<div>Patrick H. Kuehl</div> <div>Signed at: August 15, 2024 2:05pm America/New_York</div>	
User's Session Information		IP Address: 24.106.22.82 Referrer URL:

CITY OF DE PERE

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



October 7, 2024

Patrick Kuehl
Robert E Lee & Associates INC
1250 Centennial Centre BL
Hobart, WI 54115

RE: Revised Site Plan Review for the Badgerland Supply Warehouse Addition at 1414 Builders CT
(Parcel WD-L176-1)

Dear Patrick:

Thank you for the three separate revised site plan versions, received for the Badgerland Supply Warehouse Addition at 1414 Builders CT. The City of De Pere staff reviewed the site plans on October 7, 2024, and recommended approval with the following conditions that must be addressed prior to obtaining occupancy permits.

- 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.
- After the exterior landscaping is installed, provide a statement from the installer that the landscaping complies with the site plan approved landscaping 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 that reads "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



September 4, 2024

Eric Gulbrandson
Gypsum Management
100 Crescent Center Parkway
Tucker OK 30084
Via email: eric.gulbrandson@tamarackmaterials.com

SUBJECT: Coverage Under WPDES General Permit No. WI-S067831-06: Construction Site Storm Water Runoff
Permittee Name: Gypsum Management Site
Site Name: Badgerland Supply Site Development
FIN: 95623

Dear Permittee:

The Wisconsin Department of Natural Resources received your Water Resources Application for Project Permits or Notice of Intent, on August 27, 2024, for the Badgerland Supply Site Development site and has evaluated the information provided regarding storm water discharges from your construction site. We have determined that your construction site activities will be regulated under ch. 283, Wis. Stats., ch. NR 216, Wis. Adm. Code, and in accordance with Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-S067831-06, Construction Site Storm Water Runoff. All erosion control and storm water management activities undertaken at the site must be done in accordance with the terms and conditions of the general permit.

The **Start Date** of permit coverage for this site is September 04, 2024. The maximum period of permit coverage for this site is limited to 3 years from the **Start Date**. Therefore, permit coverage automatically expires and terminates 3 years from the Start Date and storm water discharges are no longer authorized unless another Notice of Intent and application fee to retain coverage under this permit or a reissued version of this permit is submitted to the Department 14 working days prior to expiration.

A copy of the general permit along with extensive storm water information including technical standards, forms, guidance and other documents is accessible on the Department's storm water program Internet site. To obtain a copy of the general permit, please download it and the associated documents listed below from the following Department Internet site:

<http://dnr.wi.gov/topic/stormwater/construction/forms.html>

- Construction Site Storm Water Runoff WPDES general permit No. WI-S067831-06
- Construction site inspection report form
- Notice of Termination form

If, for any reason, you are unable to access these documents over the Internet, please contact me and I will send them to you.

To ensure compliance with the general permit, please read it carefully and be sure you understand its contents. Please take special note of the following requirements (This is not a complete list of the terms and conditions of the general permit.):

1. The Construction Site Erosion Control Plan and Storm Water Management Plan that you completed prior to submitting your permit application must be implemented and maintained throughout construction. Failure to do so may result in enforcement action by the Department.

2. The general permit requires that erosion and sediment controls be routinely inspected at least every 7 days, and within 24 hours after a rainfall event of 0.5 inches or greater. Weekly written reports of all inspections must be maintained. The reports must contain the following information:

- a. Date, time, and exact place of inspection;
- b. Name(s) of individual(s) performing inspection;
- c. An assessment of the condition of erosion and sediment controls;
- d. A description of any erosion and sediment control implementation and maintenance performed;
- e. A description of the site's present phase of construction.

3. A **Certificate of Permit Coverage** must be posted in a conspicuous place on the construction site. The Certificate of Permit Coverage (WDNR Publication # WT-813) is enclosed for your use.

4. When construction activities have ceased and the site has undergone final stabilization, a Notice of Termination (NOT) of coverage under the general permit must be submitted to the Department.

It is important that you read and understand the terms and conditions of the general permit because they have the force of law and apply to you. Your project may lose its permit coverage if you do not comply with its terms and conditions. The Department may also withdraw your project from coverage under the general permit and require that you obtain an individual WPDES permit instead, based on the Department's own motion, upon the filing of a written petition by any person, or upon your request.

If you believe that you have a right to challenge this decision to grant permit coverage, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

Thank you for your cooperation with the Construction Site Storm Water Discharge Permit Program. If you have any questions concerning the contents of this letter or the general permit, please contact Sarah Anderson at (920) 662-5441.

Sincerely,



Sarah Anderson
Northeast Region
Storm Water Management Specialist

ENCLOSURE: Certificate of Permit Coverage



CERTIFICATE OF PERMIT COVERAGE

**UNDER THE
WPDES CONSTRUCTION SITE STORM WATER RUNOFF PERMIT
Permit No. WI-S067831-06**

Under s. NR 216.455(2), Wis. Adm. Code, landowners of construction sites with storm water discharges regulated by the Wisconsin Department of Natural Resources (WDNR) Storm Water Permit Program are required to post this certificate in a conspicuous place at the construction site. This certifies that the site has been granted WDNR storm water permit coverage. The landowner must implement and maintain erosion control practices to limit sediment-contaminated runoff to waters of the state in accordance with the permit.

EROSION CONTROL COMPLAINTS
should be reported to the WDNR Tip Line at
1-800-TIP-WDNR (1-800-847-9367)

Please provide the following information to the Tip Line:

WDNR Site No. (FIN): 95623

Site Name: Badgerland Supply Site Development

Address/Location: 1414 Builders Court City of DE PERE

Additional Information:

Landowner: Gypsum Management Site

Landowner's Contact Person: Eric Gulbrandson

Contact Telephone Number: (612) 695-0466

Permit Start Date: September 04, 2024

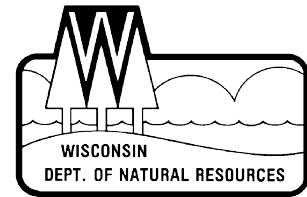
By: 



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: Badgerland Supply Site Development

Project: New Warehouse & Driveway

Date: 08/19/24

County: Outagamie

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	09/02/24	10/15/24	13.2%	100	Clay Loam	0.37	3.0%	100	0.30	1.00	1.4	0.966	Silt Fence	0.8
Seeding	10/15/24	05/01/25	15.2%	100	Clay Loam	0.37	5.0%	105	0.55	0.40	1.2	0.854	Silt Fence	0.6
Seed with Mulch or Er	05/01/25	07/01/25	30.6%	100	Clay Loam	0.37	5.0%	105	0.55	0.10	0.6	0.854	Silt Fence	0.3
End	07/01/25	-----	-----	-----	-----	-----	5.0%	105	0.55	-----	-----	0.000	Silt Fence	0.0
		-----	-----	-----	-----	-----	5.0%	0	-----	-----	-----	0.000		0.0
		-----	-----	-----	-----	-----	0.0%	0	-----	-----	-----	0.000		0.0
TOTAL											3.3		TOTAL	1.8
													% 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:	P. KUEHL
Date	8/19/2025

Curve Table							
Curve #	Delta	Radius	Length	Chord Direction	Chord Length	Tangent Bearing	Second Tangent Bearing
C1	127°52'27"	75.00'	167.39'	N59°42'44"E	134.75'	S56°21'03"E	N04°13'30"W

BENCHMARK		BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC.
NO.		FIELD VERIFY BENCHMARKS FOR ACCURACY.
DESCRIPTION		EL.
50	TAG BOLT ON HYDRANT	637.88
51	CUT SQUARE IN CONC BASE LPOL	637.64
52	CUT SQUARE CONC BASE LPOL	639.56

* A DESIGN EXCEPTION IS BEING REQUESTED FROM THE CITY TO REDUCE THE BUILDING SETBACK TO 4- FEET DUE TO STORM SEWER EASEMENT .

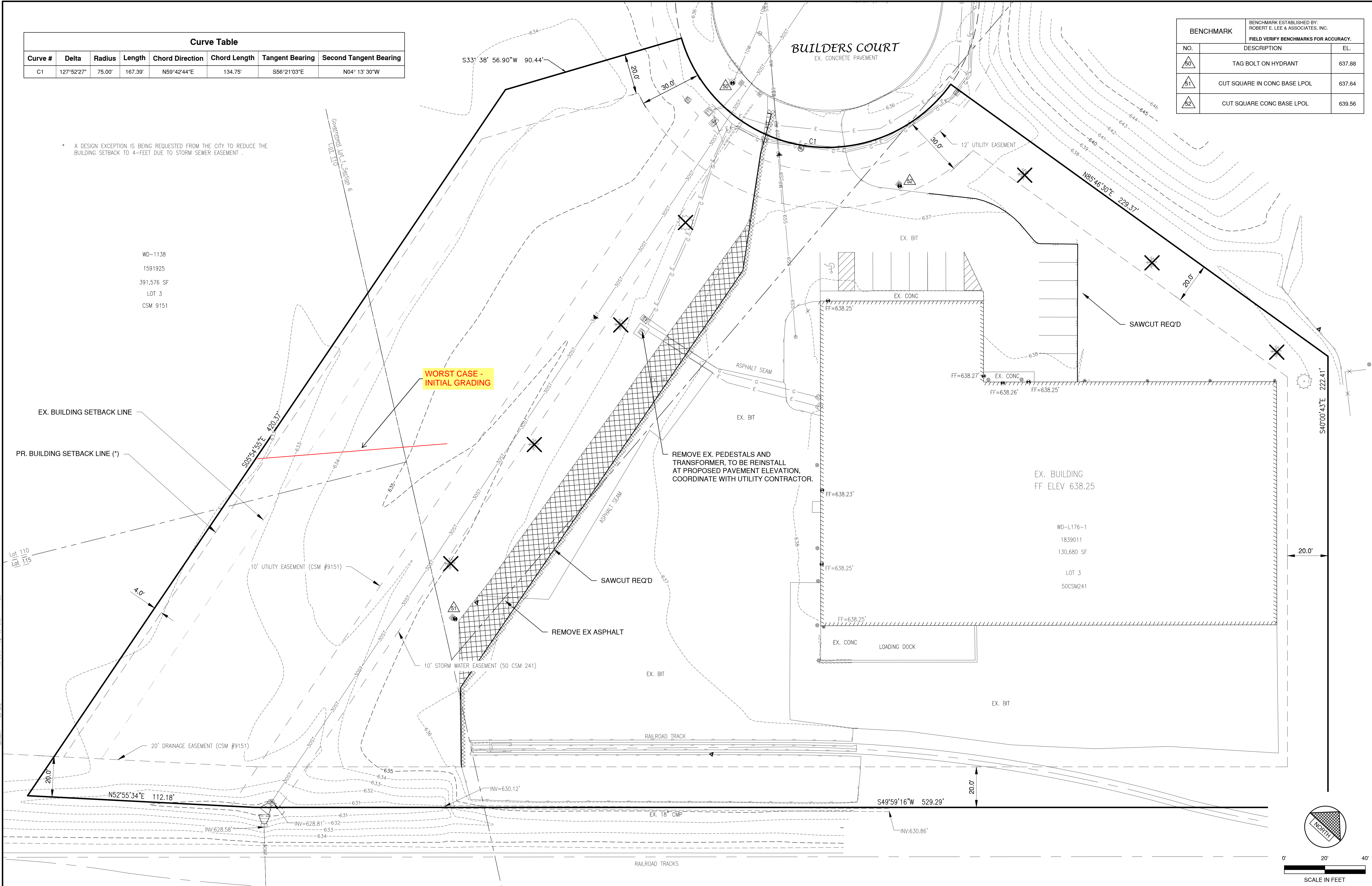
WD-1138
1591925
391,576 SF
LOT 3
CSM 9151

WORST CASE -
INITIAL GRADING

REMOVE EX. PEDESTALS AND
TRANSFORMER, TO BE REINSTALL
AT PROPOSED PAVEMENT ELEVATION,
COORDINATE WITH UTILITY CONTRACTOR.

EX. BUILDING
FF ELEV 638.25

WD-L176-1
1839011
130,680 SF
LOT 3
50CSM241



NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC
1	---	---	---	4	---	---	---	CHECKED BDR
2	---	---	---	5	---	---	---	DESIGNED PHK
3	---	---	---	6	---	---	---	

BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

EXISTING SITE CONDITIONS AND DEMOLITIONS PLAN

DATE 08/15/2024
FILE 2035534T
JOB NO. 2035534

REL Robert E. Lee
& Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO.
2

LEGEND

- DRAINAGE SWALE
--- DRAINAGE DIVIDE
→ FLOW ARROW
x SILT FENCE (PER WDNR TECHNICAL STANDARD 1056)
DITCH CHECK (PER WDNR TECHNICAL STANDARD 1062)
TRACKING PAD (PER WDNR TECHNICAL STANDARD 1057)
EROSION MAT (PER WDNR TECHNICAL STANDARD 1053)
INLET PROTECTION (PER WDNR TECHNICAL STANDARD 1060)

EROSION CONTROL

ALL EROSION CONTROL PRACTICES INDICATED ON THIS PLAN ARE APPROXIMATE LOCATIONS ONLY. THE ACTUAL SITE MAY REQUIRE MORE OR LESS EROSION CONTROL DEPENDING ON THE CURRENT CONDITION OF THE SITE.

- SILT FENCE IS REQUIRED DOWNSLOPE OF ANY DISTURBED LAND THAT MAY CARRY SEDIMENTS OFF SITE.
- A TRACKING PAD IS REQUIRED AT ANY INGRESS/EGRESS LOCATION, WHERE SEDIMENT MAY BE TRACKED OFF-SITE.
- PROPER INLET PROTECTION SHALL BE USED DEPENDING ON THE INLET TYPE.
- ALL NECESSARY SITE DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061.

WD-1138
1591925
391,576 SF
LOT 3
CSM 9151

BUILDERS COURT

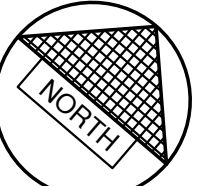
EX. CONC PAVEMENT

INSTALL INLET PROTECTION ON NEAREST INLET ON EACH SIDE OF BUILDERS COURT.

PROPOSED WAREHOUSE
16,217 SF

EXISTING BUILDING
30,211 SF

WOST CASE GRADES ESTABLISHED



0' 20' 40'
SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC
								CHECKED BDR
								DESIGNED PHK

BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
CITY OF DE PERE
BROWN COUNTY, WISCONSIN

EROSION CONTROL PLAN

DATE
08/2024
FILE
2035534D
JOB NO.
2035534

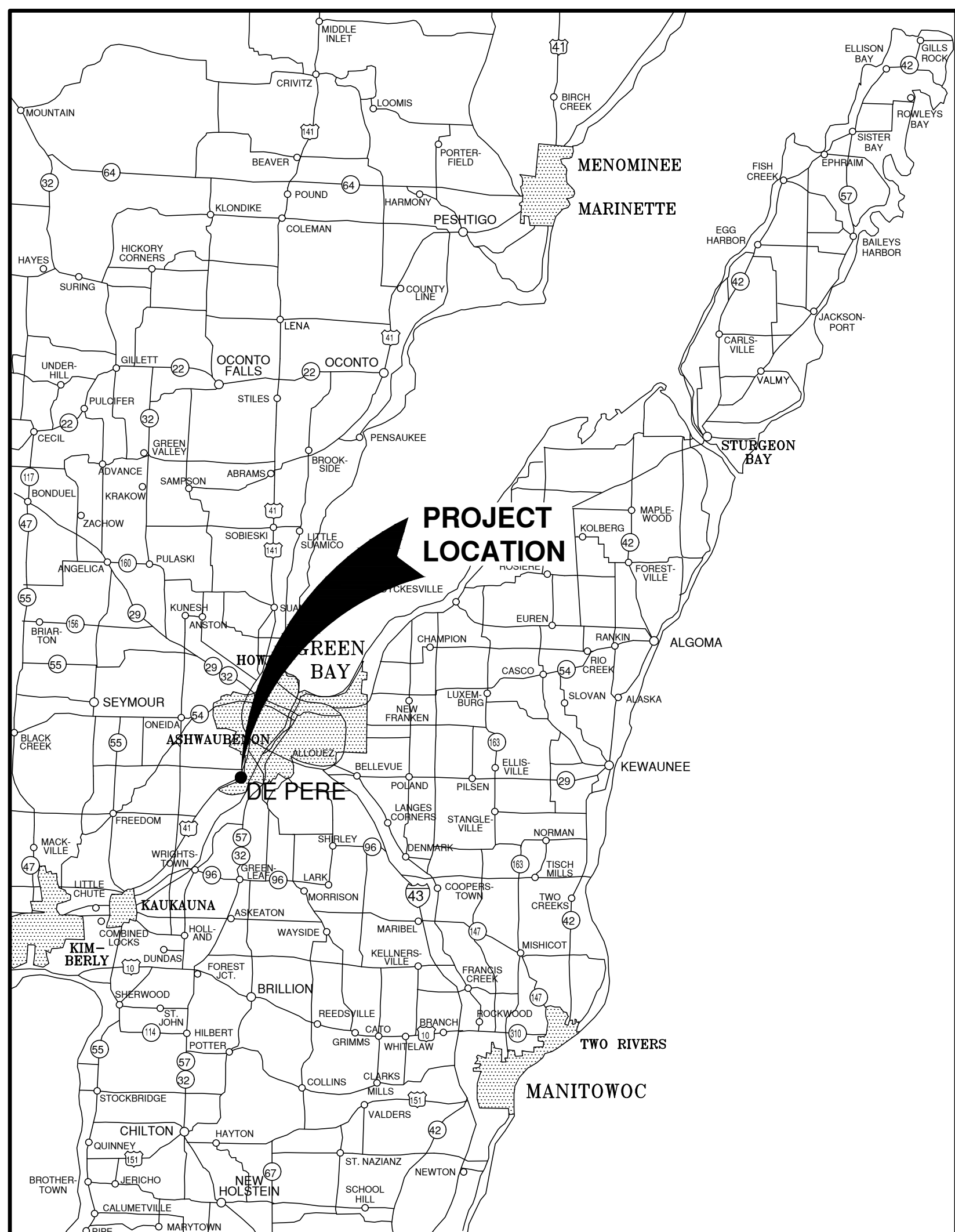
REL Robert E. Lee
& Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO.
6

BADGERLAND SUPPLY SITE DEVELOPMENT
1414 BUILDERS COURT
CITY OF DE PERE, BROWN COUNTY, WI 54115
BAYLAND BUILDINGS, INC.

WISCONSIN
PATRICK KUEHL
33075
SHERWOOD, WISCONSIN
Professional Engineer
September 10, 2023

ATTENTION!
DOWNLOADED PLANS ARE NOT SCALEABLE, NEITHER THE OWNER OR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR THE SCALE OR PRINT QUALITY OF DOWNLOADED PLANS. ONLY PRINTED PLANS FROM BLUE PRINT SERVICE CO., INC. SHALL BE CONSIDERED TO BE SCALEABLE PLANS.



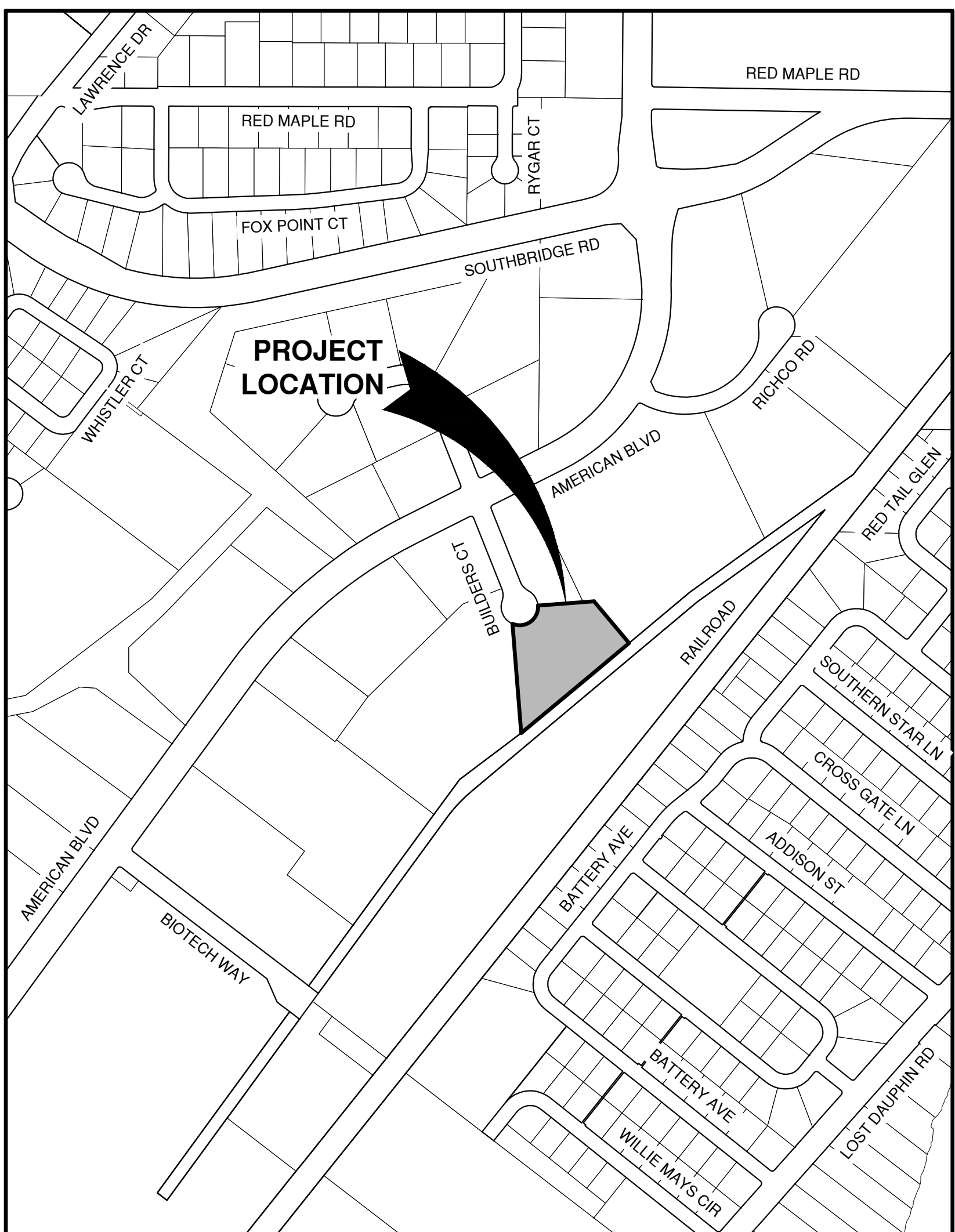
VICINITY MAP

NOTE:
EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, WHETHER SHOWN OR NOT, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITY OWNERS SHALL BE NOTIFIED FOR LOCATES BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.


NOTE:
ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION CONTROL AND TECHNICAL STANDARDS.

INDEX TO DRAWINGS

SHT. NO.	DESCRIPTION
C	LOCATION MAPS AND INDEX TO DRAWINGS
1	GENERAL NOTES
2	EXISTING SITE CONDITIONS AND DEMOLITIONS PLAN
3	SITE PLAN
4	UTILITY PLAN
5	GRADING PLAN
6	EROSION CONTROL PLAN
7	MISCELLANEOUS DETAILS
8	EROSION CONTROL - INLET PROTECTION TYPE D-HR AND TYPE D-M
9	EROSION CONTROL - SHEET FLOW DETAILS
10	EROSION CONTROL - TRACKOUT CONTROL PRACTICE
L-1	LANDSCAPE PLAN



LOCATION MAP

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	BADGERLAND SUPPLY SITE DEVELOPMENT FOR BAYLAND BUILDINGS, INC. 1414 BUILDERS COURT CITY OF DE PERE, BROWN CO. WI	LOCATION MAPS AND INDEX TO DRAWINGS	DATE	 Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO.
								CHECKED			08/15/24		C
								SDR			FILE		
								DESIGNED			2025534C		
								PHK			JOB NO.		
											2025534		

File: R:\2000-2035\2035341.dwg, 2035341.dwg
Plot Date: Oct 02, 2024 - 2:57pm
LAYOUT: GENERAL NOTES

OWNER INFORMATION:

GYPSUM MANAGEMENT
100 CRESCENT CENTER PARKWAY
TUCKER, GEORGIA 30084

(612) 695-0466

CONTACT: ERIC GULBRANDSON

CONTRACTOR INFORMATION:

BAYLAND BUILDINGS INC.
3323 BAY RIDGE CT
HOBART, WISCONSIN 54155

(920) 498-9300

CONTACT: DAVID O'BRIEN

UTILITY INFORMATION:

UTILITIES PRESENT:
CITY OF DE PERE DEPARTMENT OF PUBLIC WORKS, CENTRAL BROWN CO. WATER AUTHORITY, NEW WATER, WISCONSIN
PUBLIC SERVICE CORP., TIME WARNER, AT & T, AND WINDSTREAM COMMUNICATIONS.

UTILITIES SHOWN ON THIS MAP ARE BASED ON LOCATES FROM:

DIGGER'S HOTLINE TICKETS NUMBERED 20242124124 AND 20242124130, BOTH DATED 06/03/2024, VISIBLE OBSERVATION ON
06/20/2024 AND RECORD UTILITY PLAN DOCUMENTS. UTILITY LINE LOCATIONS SHOULD BE VERIFIED PRIOR TO ANY DIGGING.
THIS SITE MAY CONTAIN BURIED UTILITIES NOT IDENTIFIED ON THIS MAP.

DIGGERS HOTLINE = 1-800-242-8511

WATER/SANITARY/STORM SEWER:
DEPARTMENT OF PUBLIC WORKS
CITY OF DE PERE
925 SIXTH ST.
DE PERE, WI 54155

(920) 339-4060

WATER:
CENTRAL BROWN CO. WATER AUTHORITY
1195 SCHEURING RD. - SUITE 1
DE PERE, WI 54115

(920) 686-4354

WATER:
NEW WATER
2231 N. QUINCY ST.
GREEN BAY, WI 54302

(920)438-1039

GAS & ELECTRIC:
WISCONSIN PUBLIC SERVICE CORP.
2850 S. ASHLAND AV.
GREEN BAY, WI 54307

(920) 676-2717

TELECOMMUNICATIONS:
SPECTRUM / TIME WARNER / CHARTER
12405 POWERSCOURT DR.
ST. LOUIS MO 63131

(262) 446-9821

TELECOMMUNICATIONS:
AT & T / SBC
205 S. JEFFERSON ST.
GREEN BAY, WI 54301

(920) 433-4147

TELECOMMUNICATIONS:
WINDSTREAM COMMUNICATIONS
314 N. DANZ AV.
GREEN BAY, WI 54302

(920) 410-8902



TO OBTAIN LOCATION OF PARTICIPANTS
UNDERGROUND FACILITIES BEFORE YOU
DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

LEGEND

- FIRE HYDRANT
- WATER VALVE
- CURB STOP
- WATER MANHOLE
- REDUCER/INCREASER
- SANITARY MANHOLE
- AIR RELIEF MANHOLE
- STORM MANHOLE
- STORM INLET (NOT IN CURB AND GUTTER)
- STORM INLET (IN CURB AND GUTTER)
- STORM INLET MANHOLE
- TANK COVER
- SOIL BORING
- POST
- IRON PIPE/ROD
- PK NAIL

- POWER POLE
- POWER POLE W/GUY WIRE
- LIGHT POLE
- TRAFFIC SIGNAL POLE
- ELECTRIC MANHOLE
- ELECTRIC METER
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- CABLE TV MANHOLE
- CABLE TV PEDESTAL
- GAS VALVE
- GAS METER
- MAILBOX
- SIGN
- BOLLARD

- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- RIP RAP
- CULVERT
- WETLANDS
- HANDICAP PARKING
- TO BE REMOVED
- TO BE DEMOLISHED

- EDGE OF ASPHALT
- EDGE OF GRAVEL
- CURB & GUTTER
- TREE/BRUSH LINE
- CONTOUR LINE
- RETAINING WALL
- GUARD RAIL
- FENCE

- SANITARY SEWER (SIZE NOTED)
- FORCEMAIN (SIZE NOTED)
- STORM SEWER (SIZE NOTED)
- WATERMAIN (SIZE NOTED)
- GAS LINE
- OVERHEAD TELEPHONE LINE
- UNDERGROUND TELEPHONE LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD CABLE TV LINE
- CABLE TV LINE
- FIBER OPTIC LINE
- R/W LINE
- PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- SECTION LINE

- | | | | | | | | |
|------|------------|------|----------------|-----|--------------------------------|------|--------------------------|
| GR. | GRAVEL | WM | WATERMAIN | VPC | VERTICAL POINT OF CURVATURE | B-B | BACK TO BACK (OF CURB) |
| BIT. | BITUMINOUS | HYD. | HYDRANT | VPI | VERTICAL POINT OF INTERSECTION | F-F | FACE TO FACE (OF CURB) |
| ASPH | ASPHALT | WV | WATER VALVE | VPT | VERTICAL POINT OF TANGENCY | R/W | RIGHT OF WAY |
| CONC | CONCRETE | SAN | SANITARY SEWER | PC | POINT OF CURVATURE | T/C | TOP OF CURB |
| SW | SIDEWALK | MH | MANHOLE | PI | POINT OF INTERSECTION | F/L | FLOW LINE |
| BLDG | BUILDING | ST | STORM SEWER | PT | POINT OF TANGENCY | C/L | CENTERLINE |
| HSE | HOUSE | CB | CATCH BASIN | R | RADIUS | R/L | REFERENCE LINE |
| PED | PEDESTAL | TELE | TELEPHONE | EX | EXISTING | INV | INVERT |
| PP | POWER POLE | ELEC | ELECTRIC | PR | PROPOSED | CMP | CORRUGATED METAL PIPE |
| LP | LIGHT POLE | TV | TELEVISION | EOR | END OF RADIUS | RCP | REINFORCED CONCRETE PIPE |
| BM | BENCH MARK | STA. | STATION | BOC | BACK OF CURB | CULV | CULVERT |

BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
1414 BUILDERS COURT
CITY OF DE PERE, BROWN CO., WISCONSIN

GENERAL NOTES

DATE
08/15/2024
FILE
2035534T
JOB NO.
2035534

REL Robert E. Lee
& Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO.
1

Curve Table							
Curve #	Delta	Radius	Length	Chord Direction	Chord Length	Tangent Bearing	Second Tangent Bearing
C1	127°52'27"	75.00'	167.39'	N59°42'44"E	134.75'	S56°21'03"E	N04°13'30"W

BENCHMARK		BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC.
NO.		FIELD VERIFY BENCHMARKS FOR ACCURACY.
DESCRIPTION		EL.
50	TAG BOLT ON HYDRANT	637.88
51	CUT SQUARE IN CONC BASE LPOL	637.64
52	CUT SQUARE CONC BASE LPOL	639.56

* A DESIGN EXCEPTION WAS APPROVED BY THE CITY PLANNING COMMISSION ON 20 AUGUST 2014 TO REDUCE THE BUILDING SETBACK TO 4- FEET DUE TO STORM SEWER EASEMENT .

WD-1138
1591925
391,576 SF
LOT 3
CSM 9151

PR. 4' BUILDING SETBACK LINE (*)

Lot 110
Lot 115

EX. SITE
LAYOUTS

File: R:\2020-2025\2025534.dwg, 2025534.dwg
Plot Date: Oct 02, 2024 - 2:37pm

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC
1	9/10/24	PHK	REVISED PER CITY REVIEW					CHECKED BDR
								DESIGNED PHK

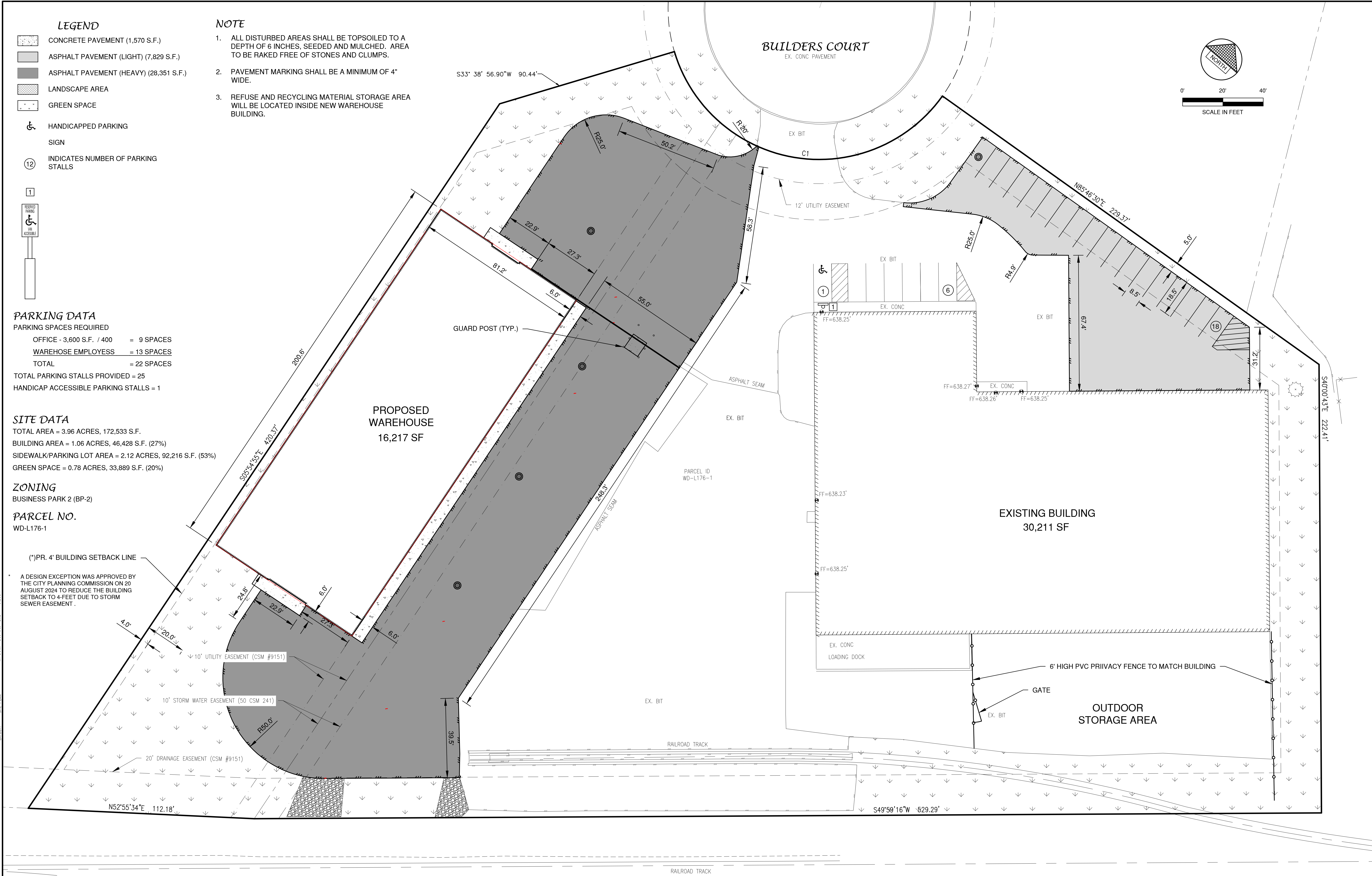
BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
1414 BUILDERS COURT
CITY OF DE PERE, BROWN CO., WISCONSIN

EXISTING SITE CONDITIONS AND DEMOLITIONS PLAN

DATE 08/15/2024
FILE 2035534T
JOB NO. 2035534

REL Robert E. Lee
& Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO.
2



LEGEND

- CONCRETE PAVEMENT (1,570 S.F.)
- ASPHALT PAVEMENT (LIGHT) (7,829 S.F.)
- ASPHALT PAVEMENT (HEAVY) (28,351 S.F.)
- LANDSCAPE AREA
- GREEN SPACE

HANDICAPPED PARKING

SIGN

INDICATES NUMBER OF PARKING STALLS

1

RESERVED PARKING
UN ACCESSIBLE

PARKING DATA

PARKING SPACES REQUIRED

OFFICE - 3,600 S.F. / 400 = 9 SPACES

WAREHOUSE EMPLOYEES = 13 SPACES

TOTAL = 22 SPACES

TOTAL PARKING STALLS PROVIDED = 25

HANDICAP ACCESSIBLE PARKING STALLS = 1

SITE DATA

TOTAL AREA = 3.96 ACRES, 172,533 S.F.

BUILDING AREA = 1.06 ACRES, 46,428 S.F. (27%)

SIDEWALK/PARKING LOT AREA = 2.12 ACRES, 92,216 S.F. (53%)

GREEN SPACE = 0.78 ACRES, 33,889 S.F. (20%)

ZONING

BUSINESS PARK 2 (BP-2)

PARCEL NO.

WD-L176-1

(*)PR. 4' BUILDING SETBACK LINE

A DESIGN EXCEPTION WAS APPROVED BY THE CITY PLANNING COMMISSION ON 20 AUGUST 2024 TO REDUCE THE BUILDING SETBACK TO 4-FEET DUE TO STORM SEWER EASEMENT.

NOTE

- ALL DISTURBED AREAS SHALL BE TOPSOILED TO A DEPTH OF 6 INCHES, SEEDED AND MULCHED. AREA TO BE RAKED FREE OF STONES AND CLUMPS.
- PAVEMENT MARKING SHALL BE A MINIMUM OF 4" WIDE.
- REFUSE AND RECYCLING MATERIAL STORAGE AREA WILL BE LOCATED INSIDE NEW WAREHOUSE BUILDING.

File: B:\2020-2025\20255340.dwg Plot Date: Dec 26, 2024 9:20am LAYOUT: SITE PLAN

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN
1	9/10/24	PHK	REVISED PER CITY COMMENTS					KDC
2	12/6/24	PHK	ADDED INLETS & REVISED GRADING PLAN					CHECKED
								BDP
								DESIGNED
								PHK

BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
1414 BUILDER COURT
CITY OF DE PERE, BROWN CO., WISCONSIN

SITE PLAN

DATE
08/15/2024
FILE
20255340
JOB NO.
2025534

REL Robert E. Lee
& Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO.
3

LEGEND

8SS — 8SS — PROPOSED SANITARY SEWER
 10ST — 10ST — EXISTING SANITARY SEWER (SIZE NOTED)
 6W — 6W — 6W — PROPOSED STORM SEWER
 10ST — 10ST — EXISTING STORM SEWER (SIZE NOTED)
 6W — 6W — 6W — PROPOSED WATERMAIN
 10ST — 10ST — EXISTING WATERMAIN (SIZE NOTED)

PROPOSED
 EXISTING
 FIRE HYDRANT
 WATER VALVE
 CURB STOP
 WATER MANHOLE
 REDUCER/INCREASER
 SANITARY MANHOLE
 LIFT STATION
 TRACER WIRE SIGNAL CONNECTION BOX
 CLEANOUT
 STORM MANHOLE
 STORM INLET (NOT IN CURB AND GUTTER)
 STORM INLET (IN CURB AND GUTTER)
 STORM INLET MANHOLE
 YARD DRAIN
 STANDPIPE
 ROOF DOWNSPOUT
 DISCHARGE STRUCTURE

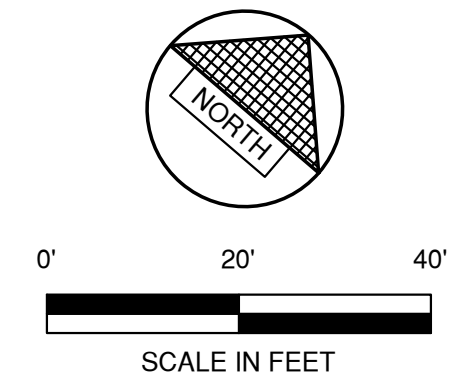
NOTE

- STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN AND ADMINISTRATIVE CODE CHAPTERS SPS 381-387.
- FIELD VERIFY LOCATION OF EXISTING UTILITIES. IF EXISTING LOCATIONS DIFFER FROM WHAT IS INDICATED ON THE PLANS, **CONTACT ENGINEER**, PRIOR TO CONTINUED WORK.
- ALL STORM SEWER SHALL BE PROVIDED WITH TRACER WIRE OR OTHER METHOD TO BE LOCATED.
- CONNECT THE PROPOSED STORM SEWER TO THE EXISTING STORM SEWER WITH INSERTA TEE CONNECTION.
- EXISTING GAS, ELECTRIC, CABLE TELEVISION AND TELEPHONE TO BE REMOVED AND/OR RELOCATED BY OTHERS. WORK SHALL BE COORDINATED BY GENERAL CONTRACTOR.

WD-1138
 1591925
 391,576 SF
 LOT 3
 CSM 9151

S33° 38' 56.90"W 90.44'

BUILDERS COURT
 EX. CONC PAVEMENT



INL 2
 RIM 636.43
 INV 631.32
 D = 5.11'

CONNECT PR. 10" ST. SEWER TO
 EX. 30" ST. SEWER, INV +/-630.15
 FIELD VERIFY LOCATION AND ELEV.

25' - 10" PVC ST. SEWER @ 0.50%
 INL 1
 RIM 635.12
 INV 630.28
 D = 4.84'

C.O. 2
 RIM 635.80
 INV 633.21

204' - 8" STORM SEWER @ 1.00%

4" X 8" WYE (TYP.)

PEDESTALS AND TRANSFORMER, TO BE REINSTALL
 AT PROPOSED PAVEMENT ELEVATION.
 COORDINATE WITH UTILITY CONTRACTOR.

CONNECT PR. 12" ST. SEWER TO
 EX. 30" ST. SEWER, INV +/-629.99
 FIELD VERIFY LOCATION AND ELEV.

APPROXIMATE DOWNSPOUT
 LOCATION, VERIFY EXACT LOCATION
 WITH ARCHITECTURAL PLANS

PROPOSED
 WAREHOUSE
 16,217 SF

CONNECT PR. 8" ST. SEWER TO
 EX. 30" ST. SEWER, INV +/-630.06
 FIELD VERIFY LOCATION AND ELEVATION

13' - 8" PVC ST. SEWER @ 0.50%
 CONNECT PR. 8" ST. SEWER TO
 EX. 30" ST. SEWER, INV +/-629.96
 FIELD VERIFY LOCATION AND ELEV.

98' - 8" STORM SEWER @ 1.00%

INL 3
 RIM 635.26
 INV 630.05
 D = 5.22'

5' - 10" PVC ST. SEWER @ 1.00%
 8' - 8" PVC ST. SEWER @ 0.50%

INL 4
 RIM 635.34
 INV 630.10
 D = 5.24'

INL 5

RIM 635.11
 INV 630.03
 D = 5.08'

CONNECT PR. 8" ST. SEWER TO
 EX. 30" ST. SEWER, INV +/-629.84
 FIELD VERIFY LOCATION AND ELEV.

STORM WATER EASEMENT (50 CSM 241)

C.O.1
 RIM 635.80
 INV 631.17

97' - 8" STORM SEWER @ 1.00%

UTILITY EASEMENT (CSM #9151)

20' DRAINAGE EASEMENT (CSM #9151)

N52°55'34"E 112.18'

INV=628.58'

INV=628.81'

INV=630.12'

EX. 18" CMP

S49°59'16"W 529.29'

INV=630.86'

EXISTING BUILDING
 30,211 SF

EX. CONC
 LOADING DOCK

EX. CONC

S40°00'43"E 222.41'










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Plot Date: Dec 26, 2024 9:22am

LAYOUTS: UTILITY PLAN

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN	KDC	BADGERLAND SUPPLY SITE DEVELOPMENT FOR BAYLAND BUILDINGS, INC. 1414 BUILDER COURT CITY OF DE PERE, BROWN CO., WISCONSIN	DATE	08/15/2024	FILE	2035340	JOB NO.	203534	SHEET NO.	4
1	9/10/24	PHK	REVISED PER CITY COMMENTS					CHECKED	BDR									
2	12/6/24	PHK	ADDED INLETS & REVISED GTRADING PLAN					DESIGNED	PHK									

REL Robert E. Lee
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 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

LEGEND

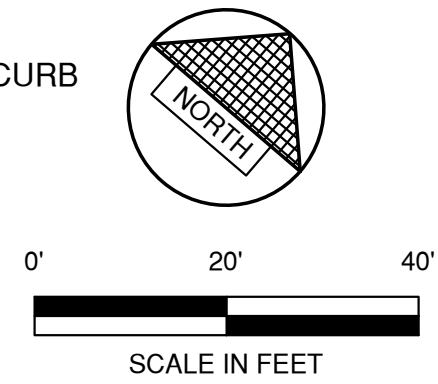
- | | | |
|---|------------|---------------------------------|
|  | T/C 999.99 | TOP OF CURB ELEVATION |
|  | F/L 888.88 | FLOW LINE ELEVATION |
|  | S/W 666.66 | TOP OF SIDEWALK ELEVATION |
|  | E/P 555.55 | EDGE OF PAVEMENT ELEVATION |
|  | R/W 444.44 | TOP OF RETAINING WALL ELEVATION |
|  | 333.33 | GROUND ELEVATION |
|  | | DRAINAGE SWALE |
|  | | DRAINAGE DIVIDE |
|  | | FLOW ARROW |

WD-1138
1591925
391,576 SF
LOT 3
CSM 9151

PROPOSED
WAREHOUSE
FF ELEV 636.00

BUILDERS COURT
EX. CONC PAVEMENT

— REGRADE AS REQ'D TO
PROVIDE DRAINAGE TO CURB



EXISTING BUILDING
30,211 SF

MATCH EXISTING ASPHALT,
SAWCUT REQ'D

PARCEL ID
WD-L176-1

RAILROAD TRACK

RAILROAD TRACK

- LIGHT RIPRAP W/FILTER FABRIC

[illegible]

BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
1414 BUILDER COURT
CITY OF DE PERE, BROWN CO., WISCONSIN

GRADING PLAN

DATE
08/15/2024
FILE
2035534D
JOB NO.
2035534



SHEET NO.
5

LEGEND

- DRAINAGE SWALE
--- DRAINAGE DIVIDE
--> FLOW ARROW
x SILT FENCE (PER WDNR TECHNICAL STANDARD 1056)
DITCH CHECK (PER WDNR TECHNICAL STANDARD 1062)
TRACKING PAD (PER WDNR TECHNICAL STANDARD 1057)
EROSION MAT (PER WDNR TECHNICAL STANDARD 1053)
INLET PROTECTION (PER WDNR TECHNICAL STANDARD 1060)

EROSION CONTROL

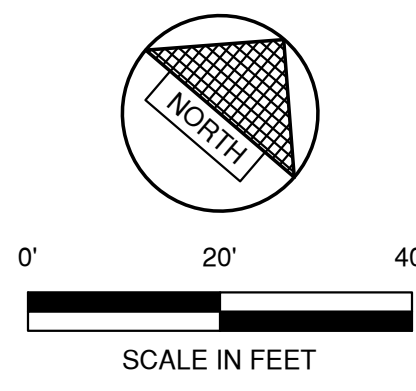
ALL EROSION CONTROL PRACTICES INDICATED ON THIS PLAN ARE APPROXIMATE LOCATIONS ONLY. THE ACTUAL SITE MAY REQUIRE MORE OR LESS EROSION CONTROL DEPENDING ON THE CURRENT CONDITION OF THE SITE.

- SILT FENCE IS REQUIRED DOWNSLOPE OF ANY DISTURBED LAND THAT MAY CARRY SEDIMENTS OFF SITE.
- A TRACKING PAD IS REQUIRED AT ANY INGRESS/EGRESS LOCATION, WHERE SEDIMENT MAY BE TRACKED OFF-SITE.
- PROPER INLET PROTECTION SHALL BE USED DEPENDING ON THE INLET TYPE.
- ALL NECESSARY SITE DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061.

WD-1138
1591925
391,576 SF
LOT 3
CSM 9151

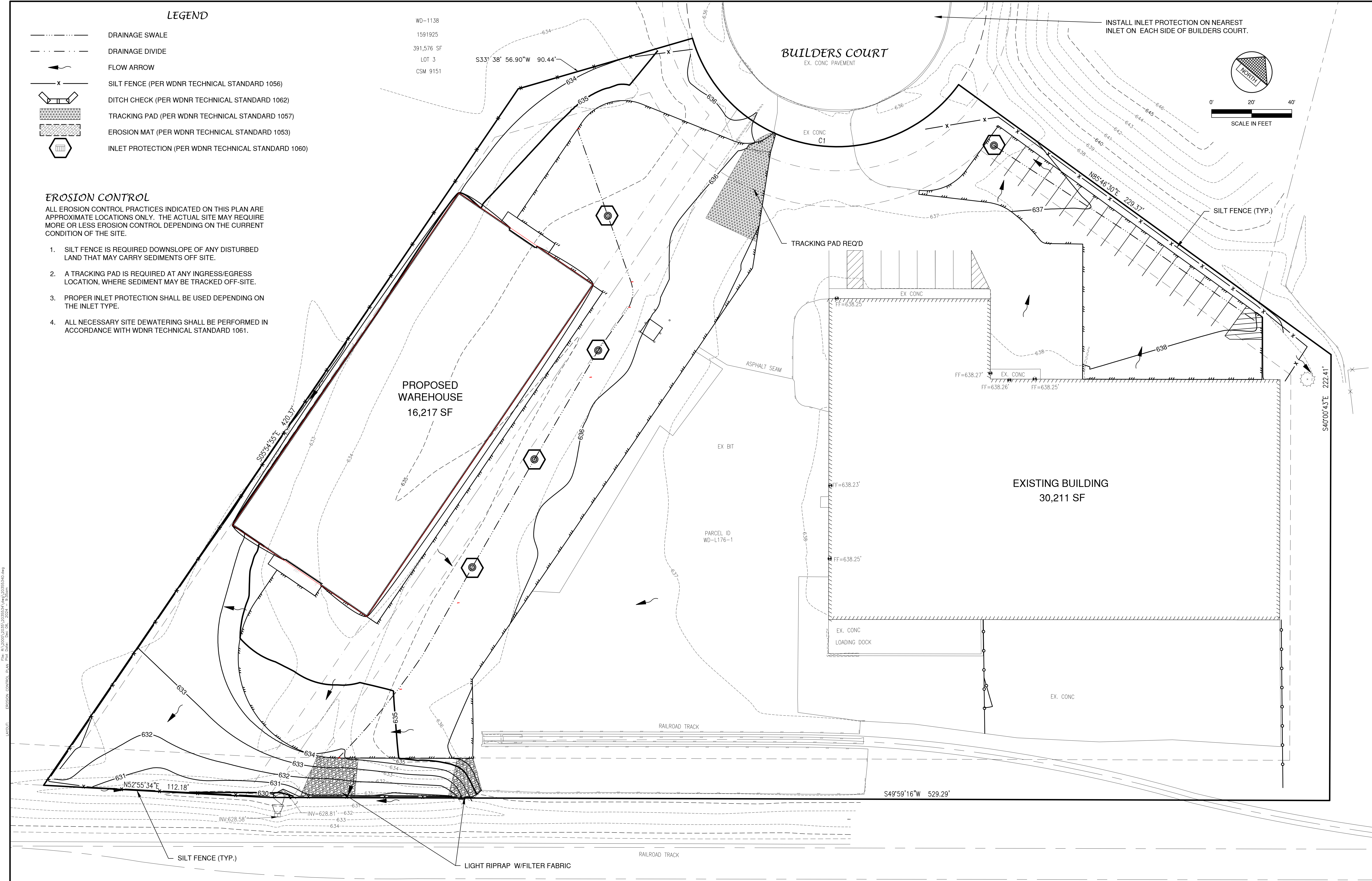
BUILDERS COURT
EX. CONC PAVEMENT

INSTALL INLET PROTECTION ON NEAREST
INLET ON EACH SIDE OF BUILDERS COURT.



PROPOSED WAREHOUSE
16,217 SF

EXISTING BUILDING
30,211 SF



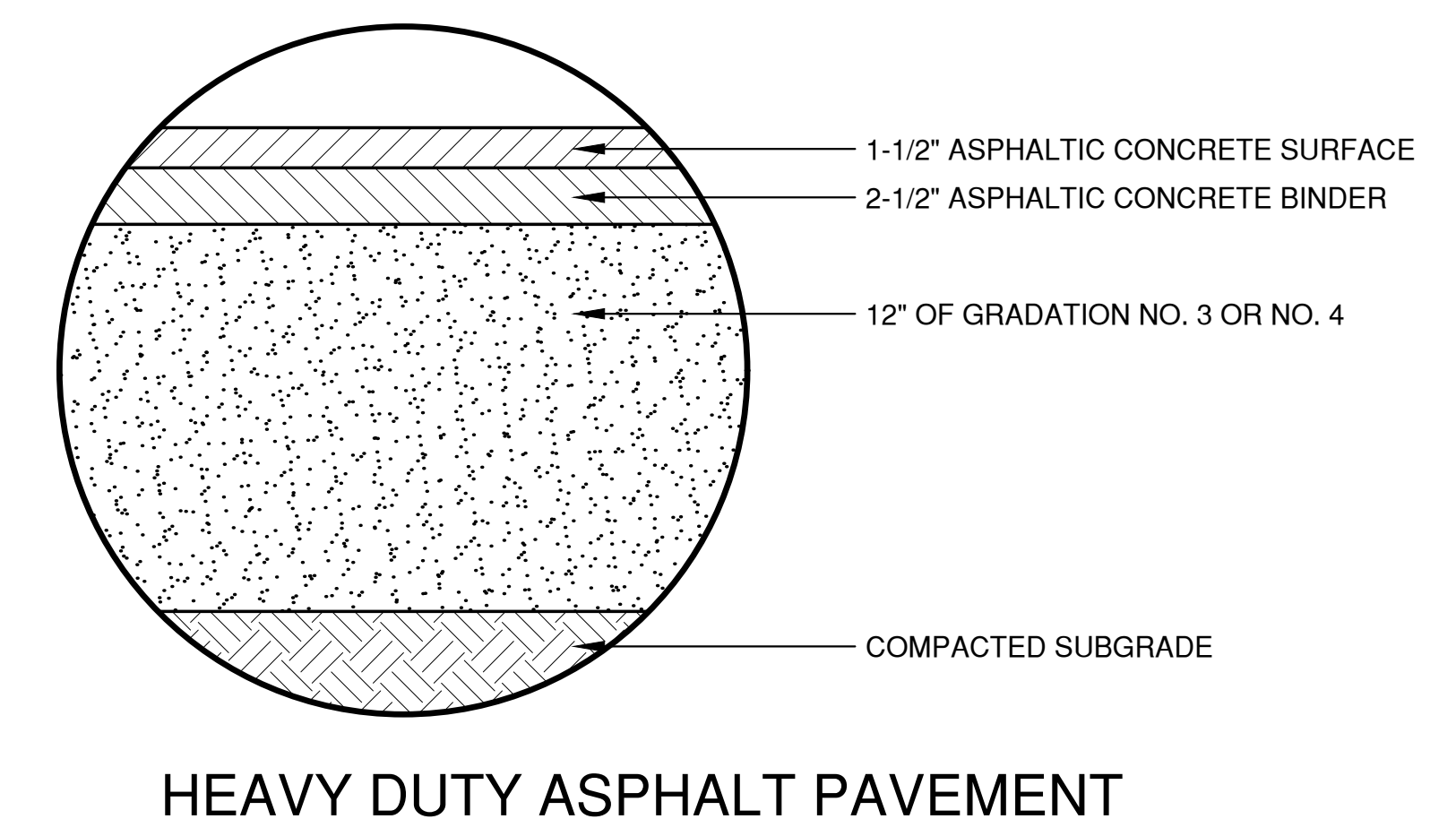
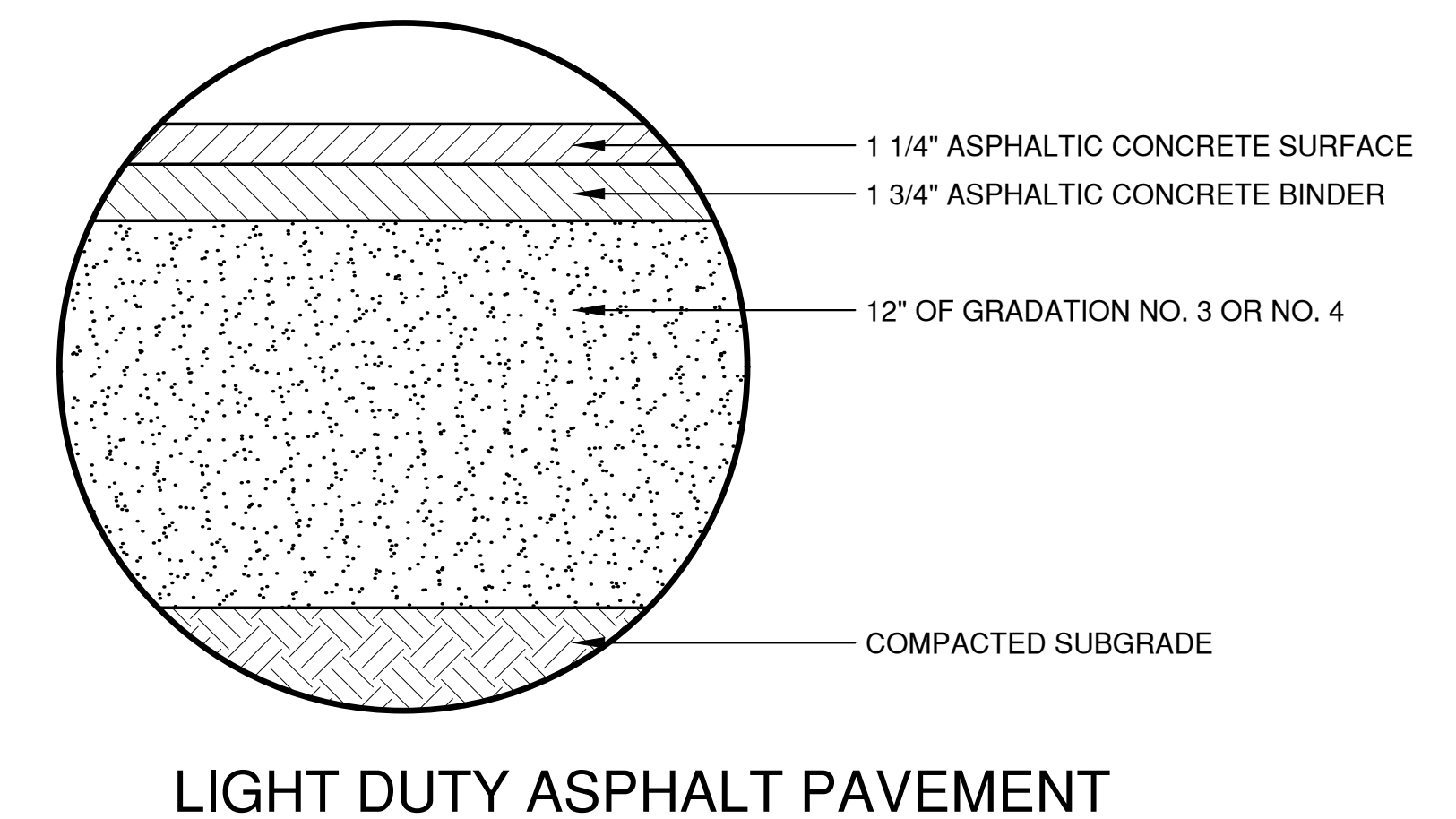
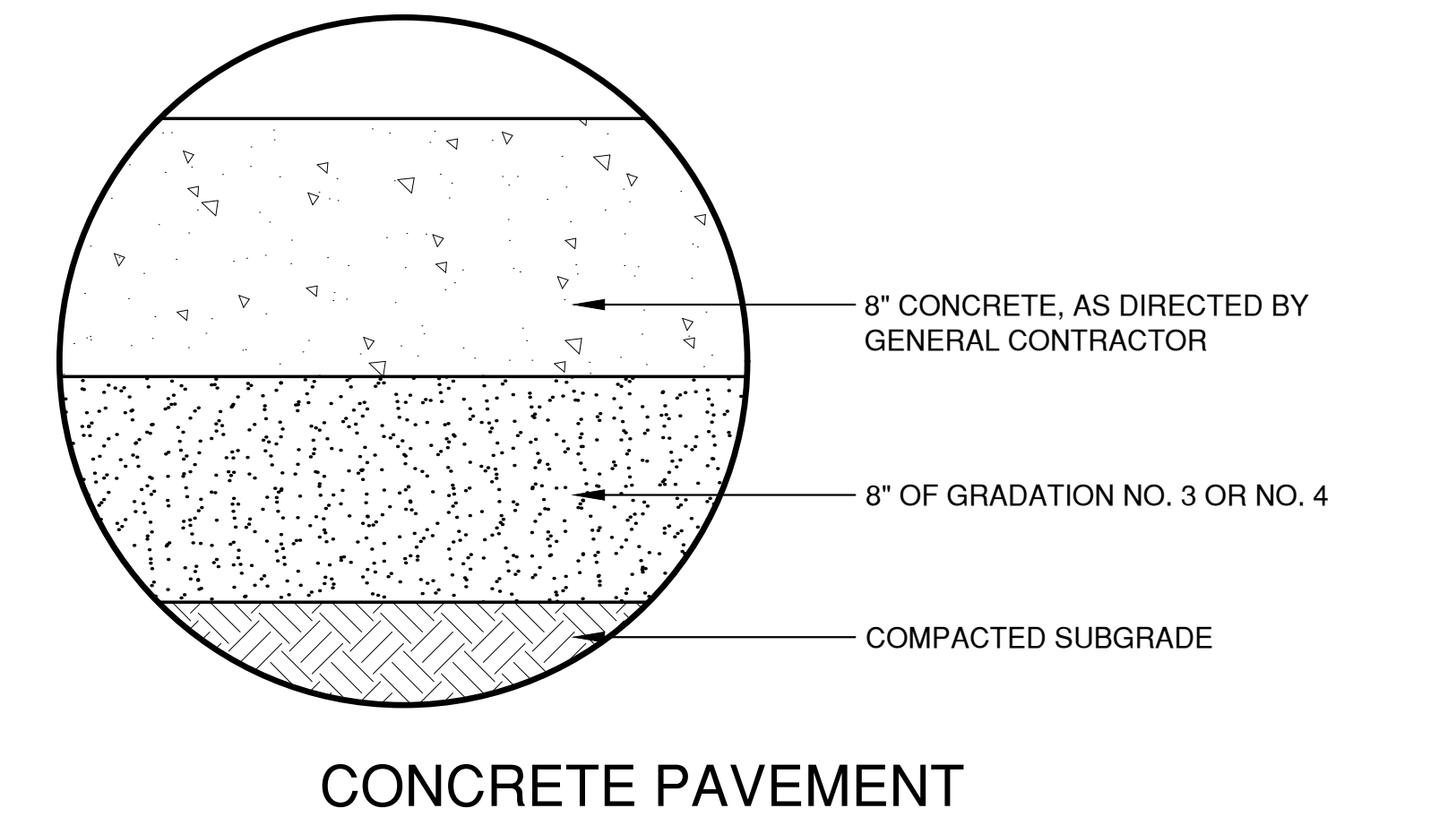
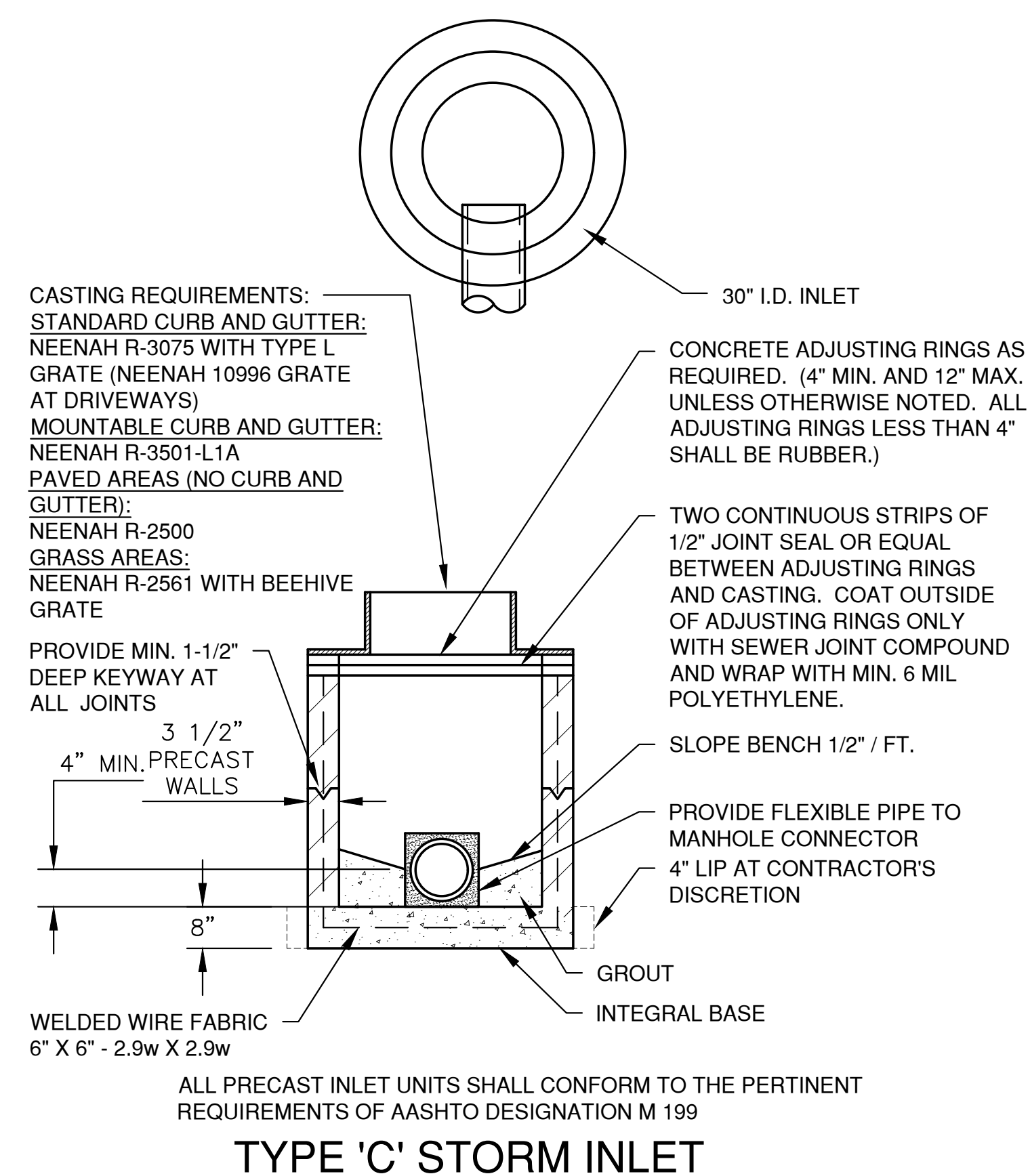
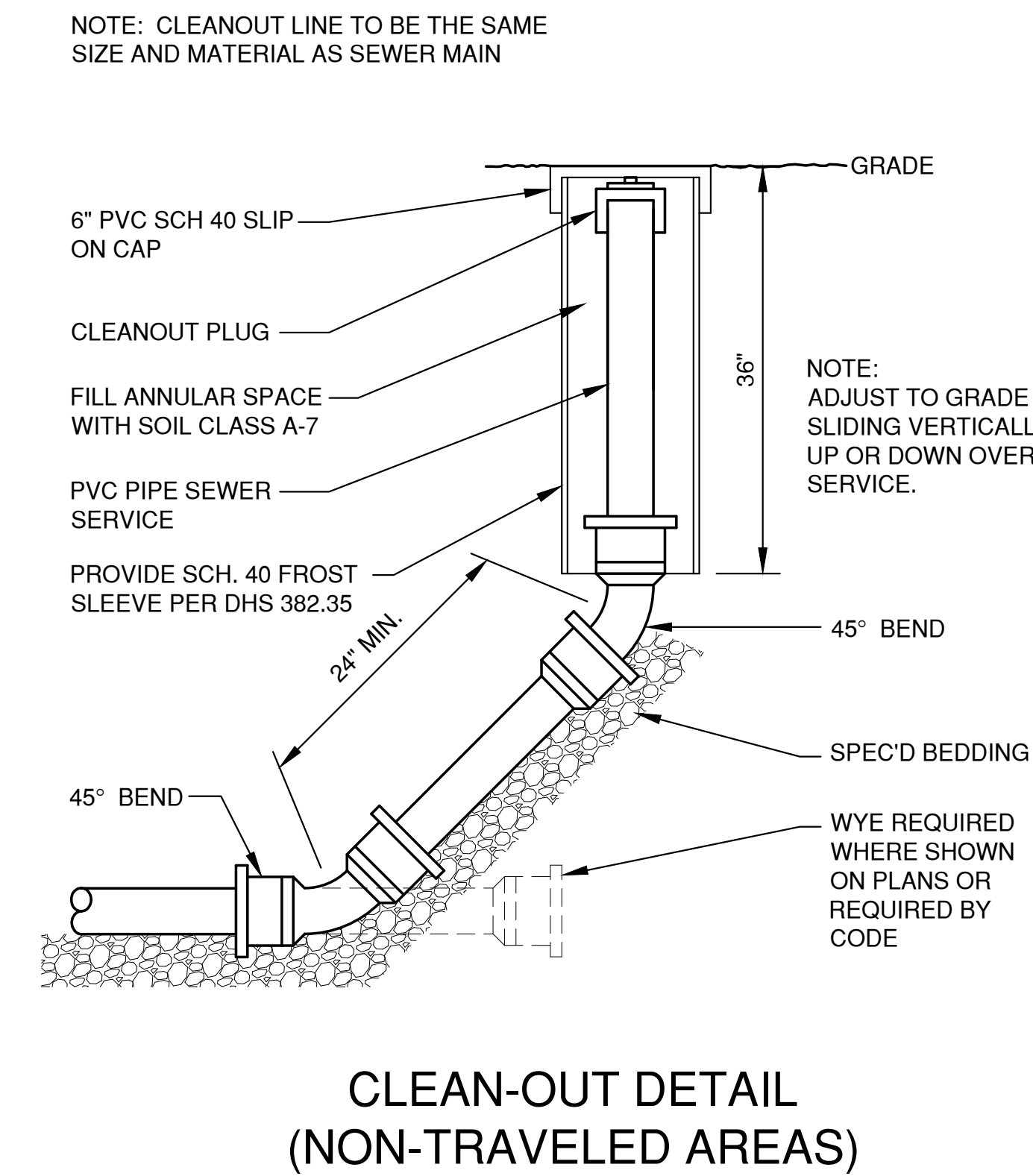
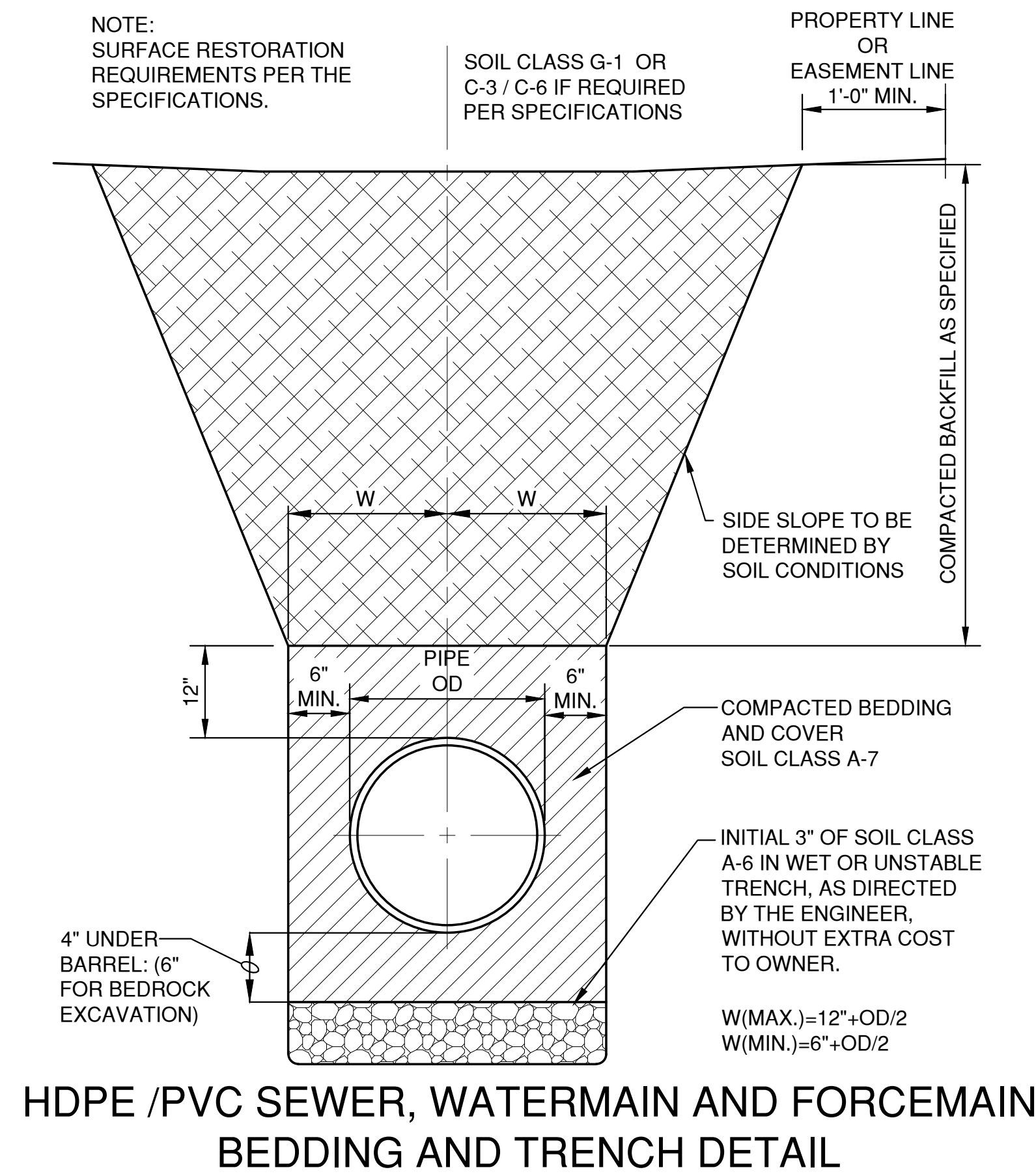
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC
1	9/10/24	PHK	REVISED PER CITY COMMENTS					CHECKED BDR
2	12/6/24	PHK	ADDED INLETS & REVISED GTRADING PLAN					DESIGNED PHK

BADGERLAND SUPPLY SITE DEVELOPMENT
FOR BAYLAND BUILDINGS, INC.
1414 BUILDER COURT
CITY OF DE PERE, BROWN CO., WISCONSIN

EROSION CONTROL PLAN

DATE 11/20/24
FILE 20355340
JOB NO. 2035534

REL Robert E. Lee & Associates, Inc.
1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

[illegible]

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 AND TOP HALF OF FILTER BAG. GEOTEXTILE FABRIC TYPE HR FOR BOTTOM HALF OF FILTER BAG. 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.

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.




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 BAG. 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.

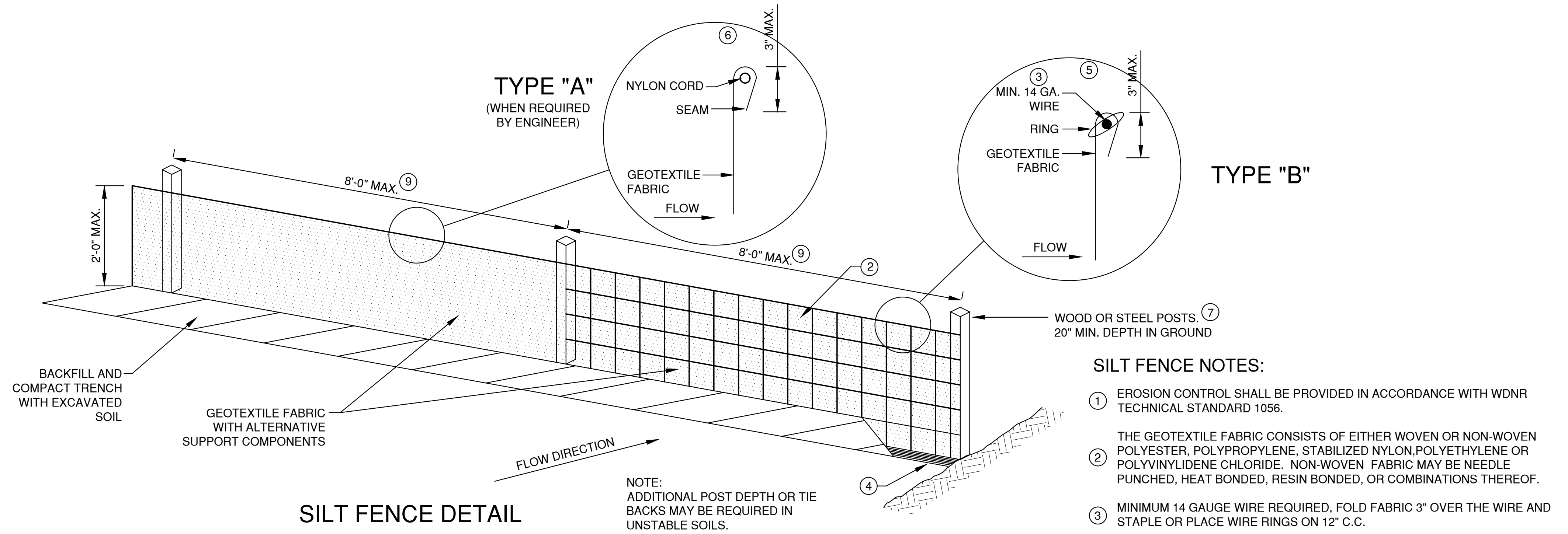


EXPOSED SOIL TEXTURE	EXPOSED SOIL PARTICLE DIAMETER (Average) (mm)	FILTER FABRIC TYPE*	RECOMMENDED INLET PROTECTION DEVICE TYPE
COARSE (SAND)	≥0.0625	FF	D, D-M
MEDIUM (SILT LOAM)	0.0624 - 0.005	DF	D, D-M
FINE (CLAY)	≤ 0.004	R	D-M
		HR	D-HR

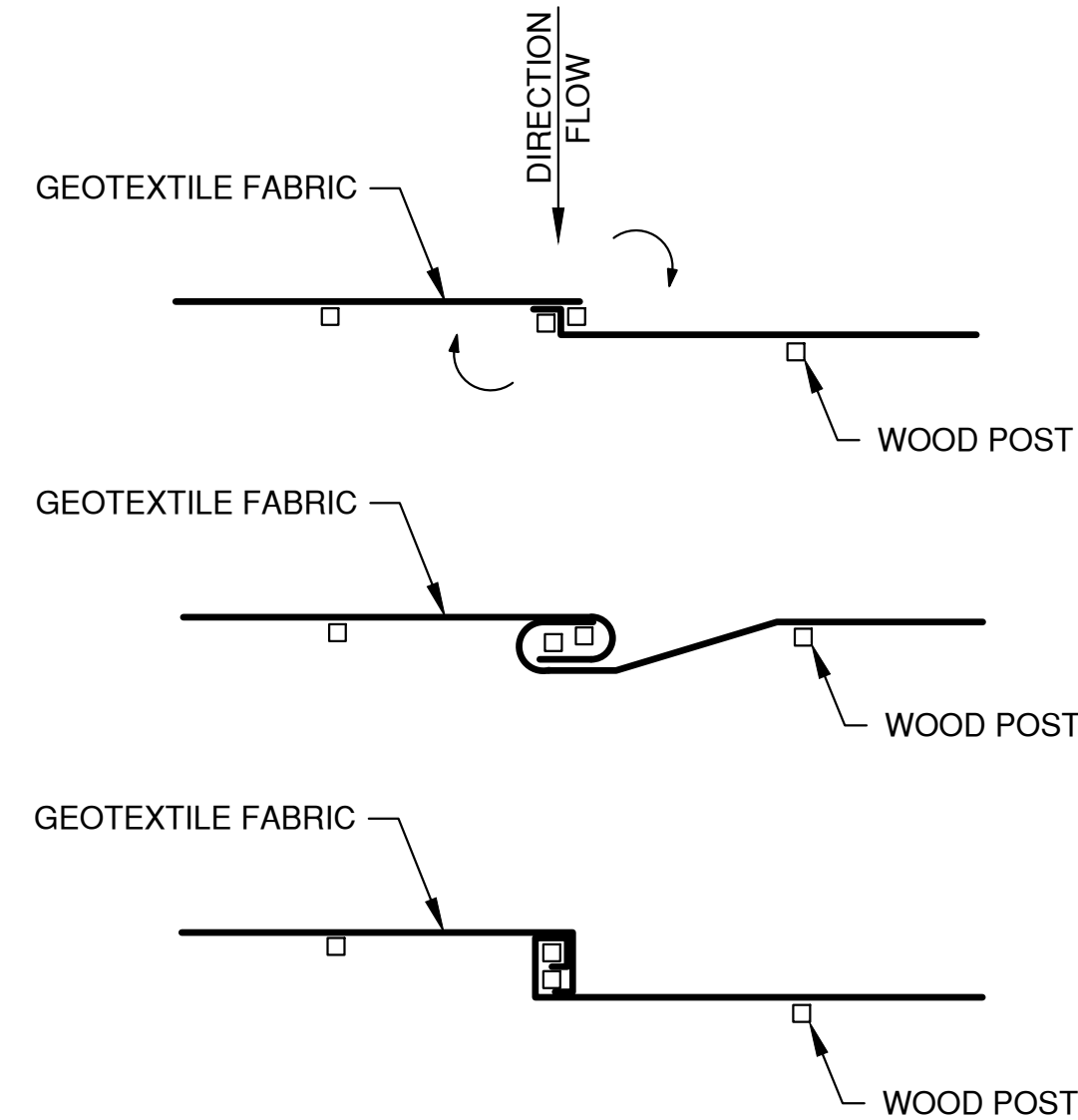
** FOLLOW DESIGN CRITERIA OF WDNR TECHNICAL STANDARD 1060

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC	BADGERLAND SUPPLY SITE DEVELOPMENT FOR BAYLAND BUILDINGS, INC. 1414 BUILDERS COURT CITY OF DE PERE, BROWN CO., WISCONSIN	EROSION CONTROL INLET PROTECTION TYPE D-HR AND TYPE D-M	DATE 08/15/2024	 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO.
1	9/10/24	PHK	REVISED PER CITY COMMENTS					CHECKED BDR			FILE 2036534EC		8
								DESIGNED PHK			JOB NO. 2101534		

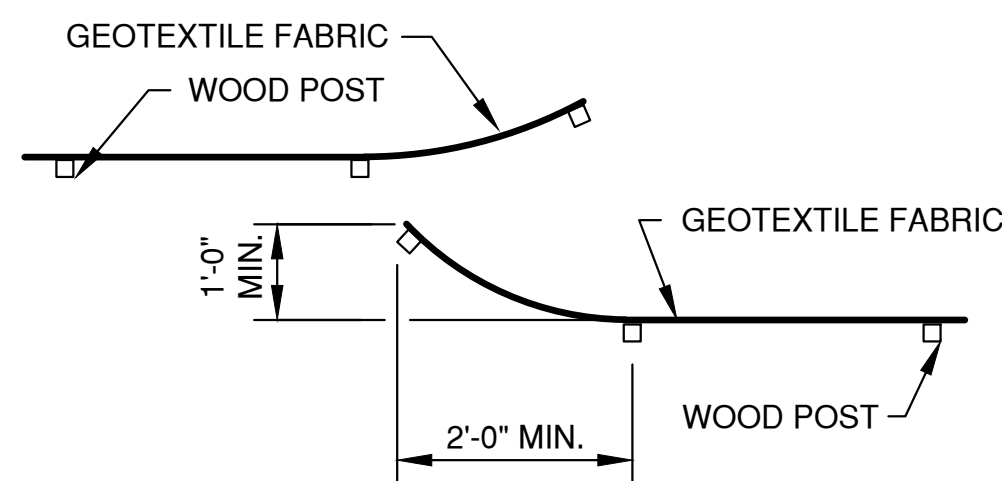
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Plot Date: Oct 02, 2024 7:24pm
LAYOUT: 4 SHEET FLOW



SILT FENCE DETAIL

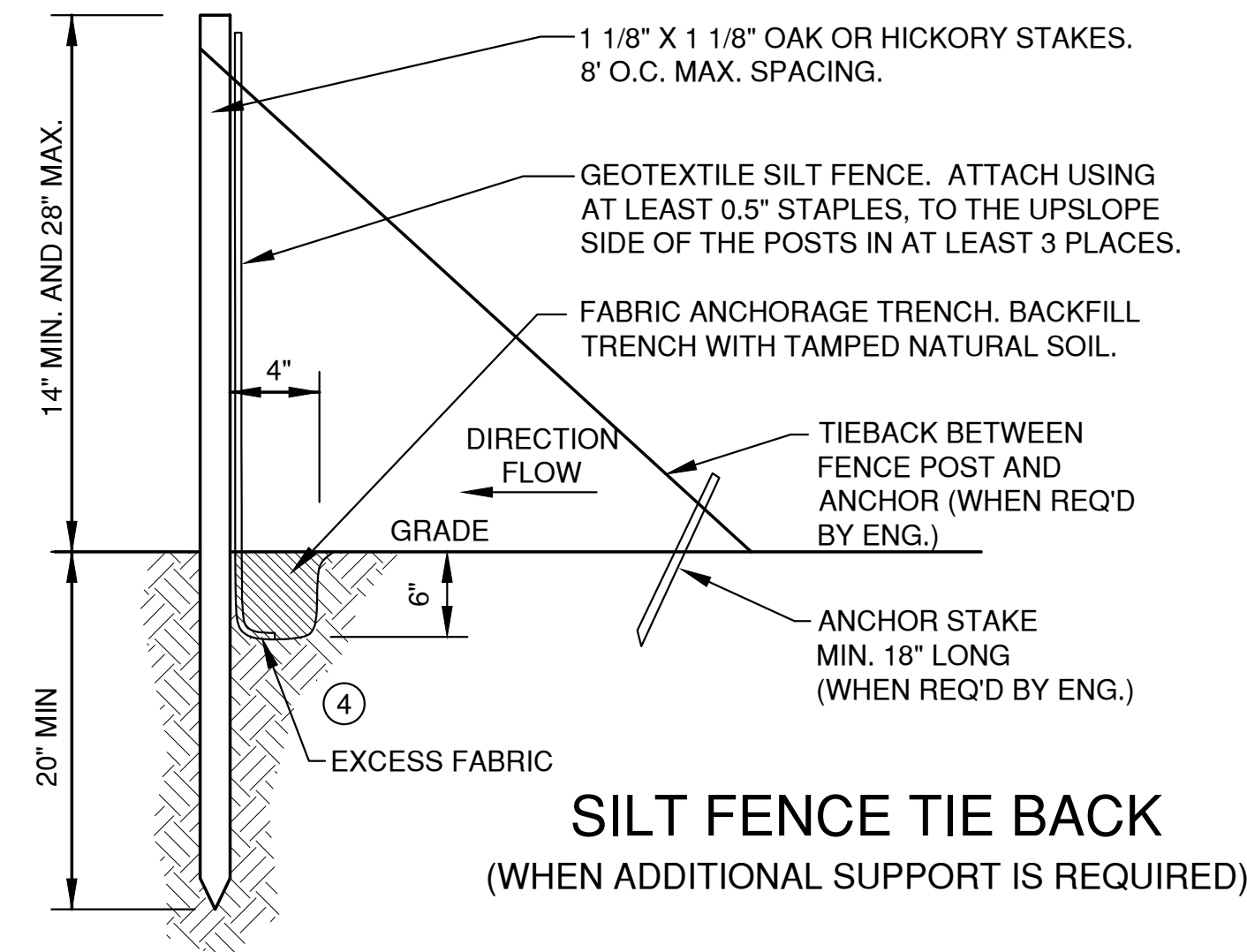


TWIST METHOD ⑧



HOOK METHOD ⑧


JOINING TWO LENGTHS OF SILT FENCE



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT IS REQUIRED)

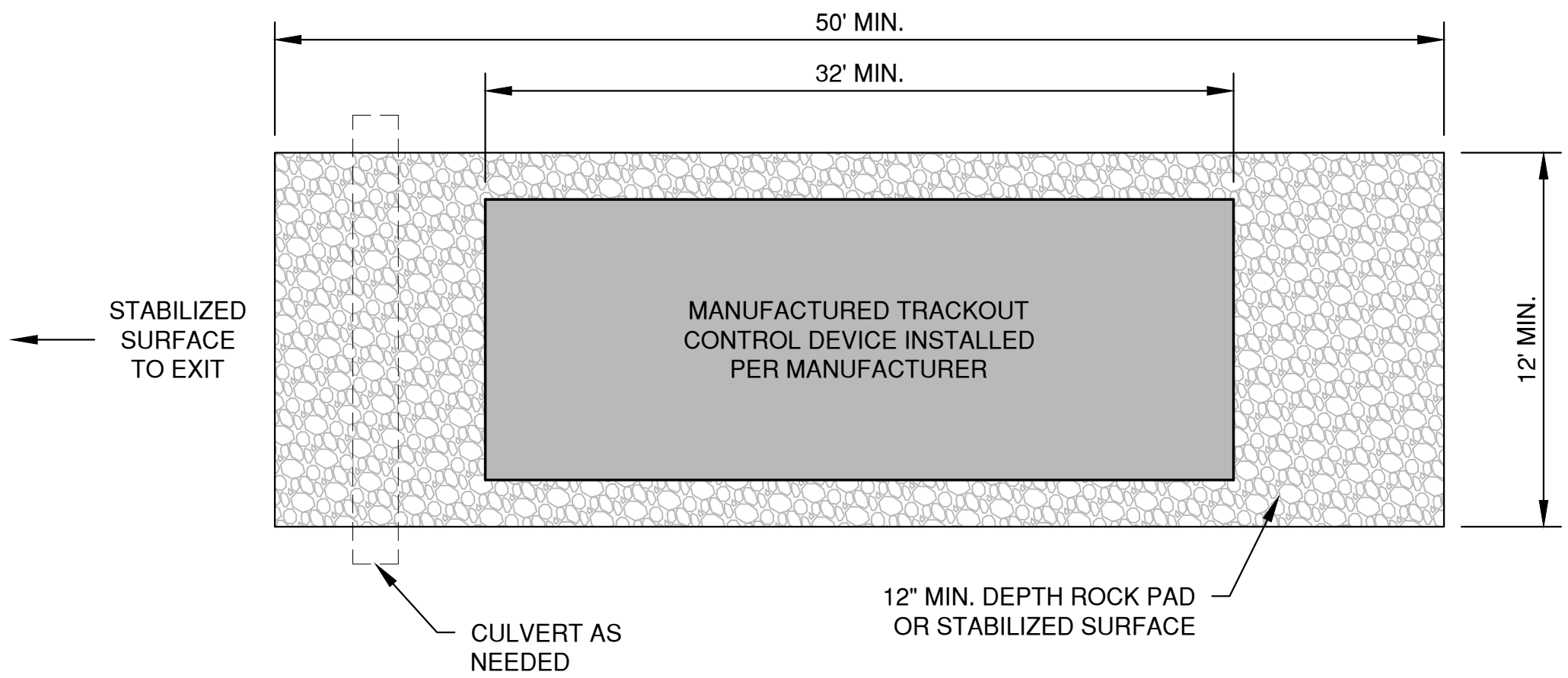
EROSION CONTROL SHEET FLOW NOTES:

1. ANY SOIL STOCKPILED THAT REMAINS FOR MORE THAN 7 DAYS, SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING.
2. A MINIMUM OF 4" OF TOPSOIL MUST BE APPLIED TO ALL AREAS TO BE SEEDDED OR SODDED.
3. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
4. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH DAY. **FLUSHING SHALL NOT BE ALLOWED.**
5. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
6. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING.
7. ALL TEMPORARY EROSION CONTROL PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED WITH 70% VEGETATION AND A NOTICE OF TERMINATION HAS BEEN APPROVED BY THE WDNR.
8. WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH OR A TACKING AGENT MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENCES/WATER RESOURCES.
9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL THE EROSION CONTROL MEASURES IN CONFORMANCE WITH THE WDNR CONSERVATION PRACTICE STANDARDS LATEST EDITION.
10. UPON COMPLETION OF STORM INLET CONSTRUCTION, INSTALL STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITE AS SPECIFIED.
11. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM STREETS, PRIVATE DRIVES, OR PARKING AREAS BY MANUAL OR MECHANICAL SWEEPING A MINIMUM OF ONCE A WEEK AND BEFORE ALL IMMINENT RAINS
12. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF RAINFALL OF 0.5" OR MORE.

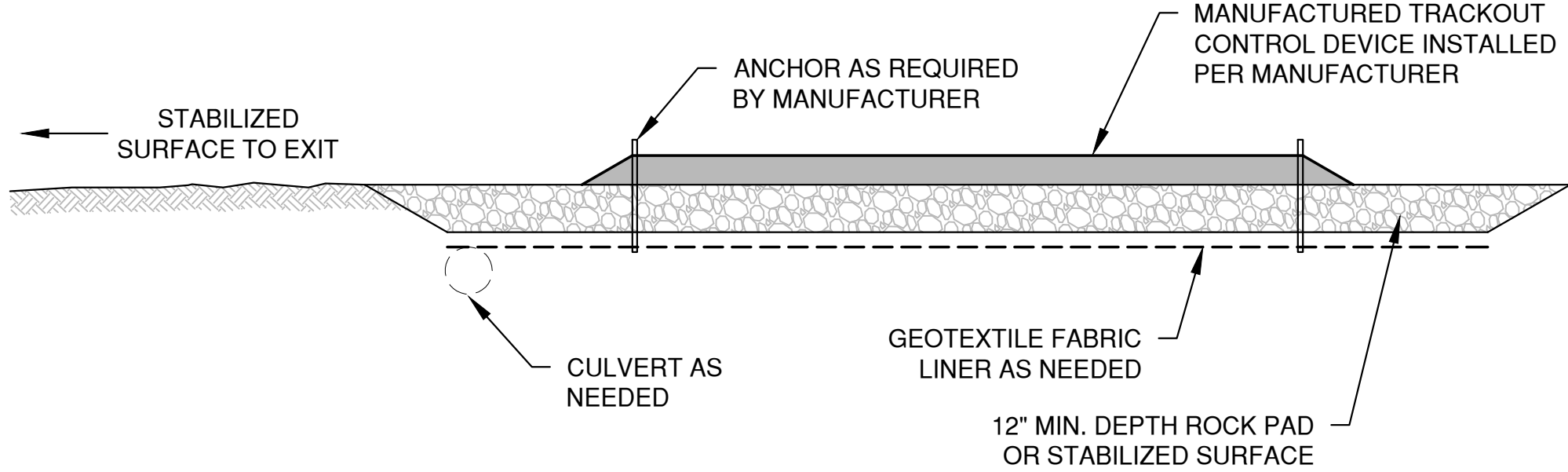
NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC	BADGERLAND SUPPLY SITE DEVELOPMENT FOR BAYLAND BUILDINGS, INC. 1414 BUILDERS COURT CITY OF DE PERE, BROWN CO., WISCONSIN	EROSION CONTROL SHEET FLOW DETAILS	DATE 08/15/2024	 Robert E. Lee & Associates, Inc. 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releinc.com	SHEET NO.
1	9/10/24	PHK	REVISED PER CITY COMMENTS					CHECKED BDR			FILE 2035534EC		9
								DESIGNED PHK			JOB NO. 2035534		

File: R:\2000-2030\2035\34-49\203534EC.dwg
Plot Date: Oct 02, 2024 - 2:52pm
LAYOUT: 5 TRACKOUT
LAYOUT:

* TRACKOUT CONTROL TO BE PROVIDED PER DETAILS BELOW AND IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1057



PLAN VIEW
(NTS)

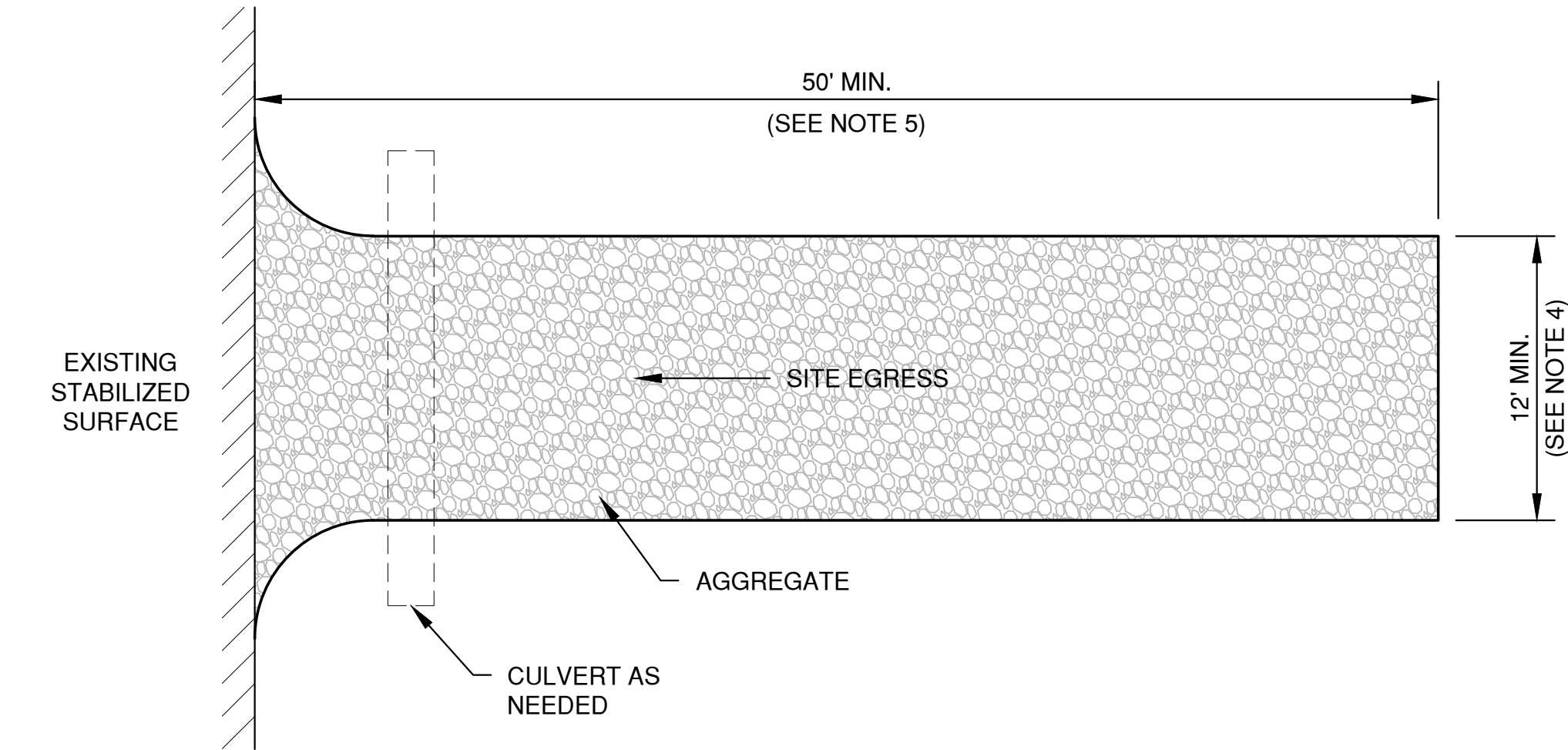


SECTION VIEW

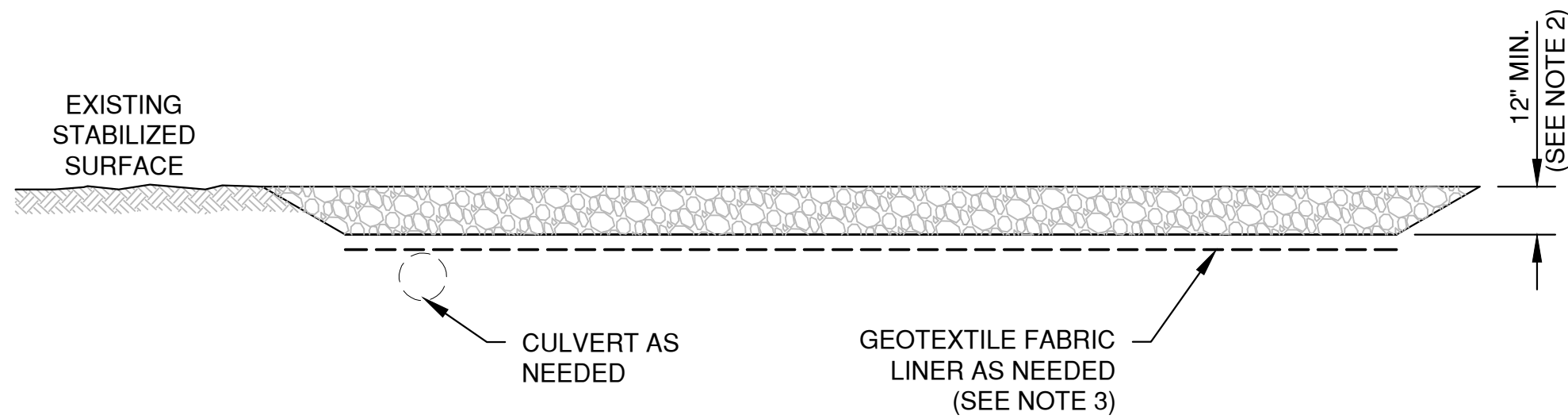
NOTES:

- THIS DETAIL IS PROVIDED AS AN EXAMPLE. COMPLY WITH MANUFACTURER'S SPECIFICATIONS WHILE ALSO MEETING THE MINIMUM MANUFACTURED TRACKING PAD LENGTH AND WIDTH DESCRIBED IN THIS TECHNICAL STANDARD.
- INSTALL SUCH THAT RUNOFF FLOWS TO AN APPROVED TREATMENT PRACTICE.
- A THINNER STONE LAYER OR OTHER STABLE SURFACE MAY BE ACCEPTABLE SUCH THAT RUTTING IS MINIMIZED AS VEHICLES MOUNT OR DISMOUNT FROM THE MANUFACTURERS TRACKOUT CONTROL DEVICE.
- SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
- DIRECT ALL EXISTING VEHICLES OVER MANUFACTURED TRACKOUT CONTROL DEVICE. STONE TRACKING PAD INSTALLATION ACROSS REMAINING ACCESS WIDTH IS RECOMMENDED. A 12' MINIMUM CAN BE USED WHEN EXITING TRAFFIC IS RESTRICTED TO A DEDICATED EGRESS LANE.
- IF MINIMUM INSTALLATION LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.
- ACCOMMODATE EXITING VEHICLES IN EXCESS OF MANUFACTURED TRACKOUT CONTROL DEVICE WEIGHT CAPACITY WITH OTHER TREATMENT PRACTICES.

MANUFACTURED TRACKOUT CONTROL DETAIL



PLAN VIEW
(NTS)



SECTION VIEW

NOTES:

- USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE, MEETING THE FOLLOWING GRADATION:

SIEVE SIZE:	PERCENT BY WEIGHT PASSING:
3"	100
2 1/2"	90-100
1 1/2"	25-60
3/4"	0-20
3/8"	0-5
- SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.
- SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLES LOADING.
- INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXISTING TRAFFIC TO A DEDICATED EGRESS LANE AT LEAST 12 FEET WIDE ACROSS THE TOP OF THE PAD.
- IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.

STONE TRACKING PAD DETAIL

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN KDC	BADGERLAND SUPPLY SITE DEVELOPMENT FOR BAYLAND BUILDINGS, INC. 1414 BUILDERS COURT CITY OF DE PERE, BROWN CO., WISCONSIN	EROSION CONTROL TRACKOUT CONTROL PRACTICES	DATE 08/15/2024	 1250 Centennial Centre Blvd Hobart, WI 920-662-9641 releecinc.com	SHEET NO.
1	9/10/24	PHK	REVISED PER CITY COMMENTS					CHECKED BDR			FILE 2035534EC		10
								DESIGNED PHK			JOB NO. 2035534		

This drawing is conceptual
and is only to be used as a
guide for construction. The
completed project may differ
from this plan in appearance
and dimension.

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Drawing Completed:
8-15-2024
9-11-2024

LANDSCAPE PLAN

LANDSCAPE INSTALLATION NOTES:

- GENERAL:
- Landscape contractor is responsible for coordinating work with general contractor to ensure the landscape scope of work doesn't interfere with existing or built conditions. They should note any discrepancies to the general contractor.
 - Landscape contractor is responsible for verifying the location of underground utilities by calling their local utility marking service.
 - All plant material should be inspected by Landscape Contractor prior to installation to determine overall appearance and condition. Plant material that is damaged or has clear signs of stress should be rejected.
 - Quantities of material shown on plan take precedence over the specification list or legend.
 - If plant substitutions are required, Landscape Contractor is responsible for submitting recommendations to the client or client's representative.

- PLANTING:
- When excavating for plant pits, any excess rock or building material should be removed an replaced with specified soil mix backfill.
 - All plant tags should be removed from material by landscape contractor.
 - All planting beds should receive a minimum 3" deep layer of shredded hardwood mulch, unless otherwise noted.
 - Edge all beds with a spade cut edge unless otherwise noted.
 - All backfill around plant material rootballs should receive a soil mix of 4 parts (pulverized) topsoil to 1 part fine, organic compost.
 - All wire baskets and stakes should be removed during planting.
 - Cut and remove top half of burlap around rootballs and cut and remove any twine around trunk or root flare.
 - All stakes and guy wires and tree wrap are to be removed no more than 1 year after installation.

PLANT SCHEDULE

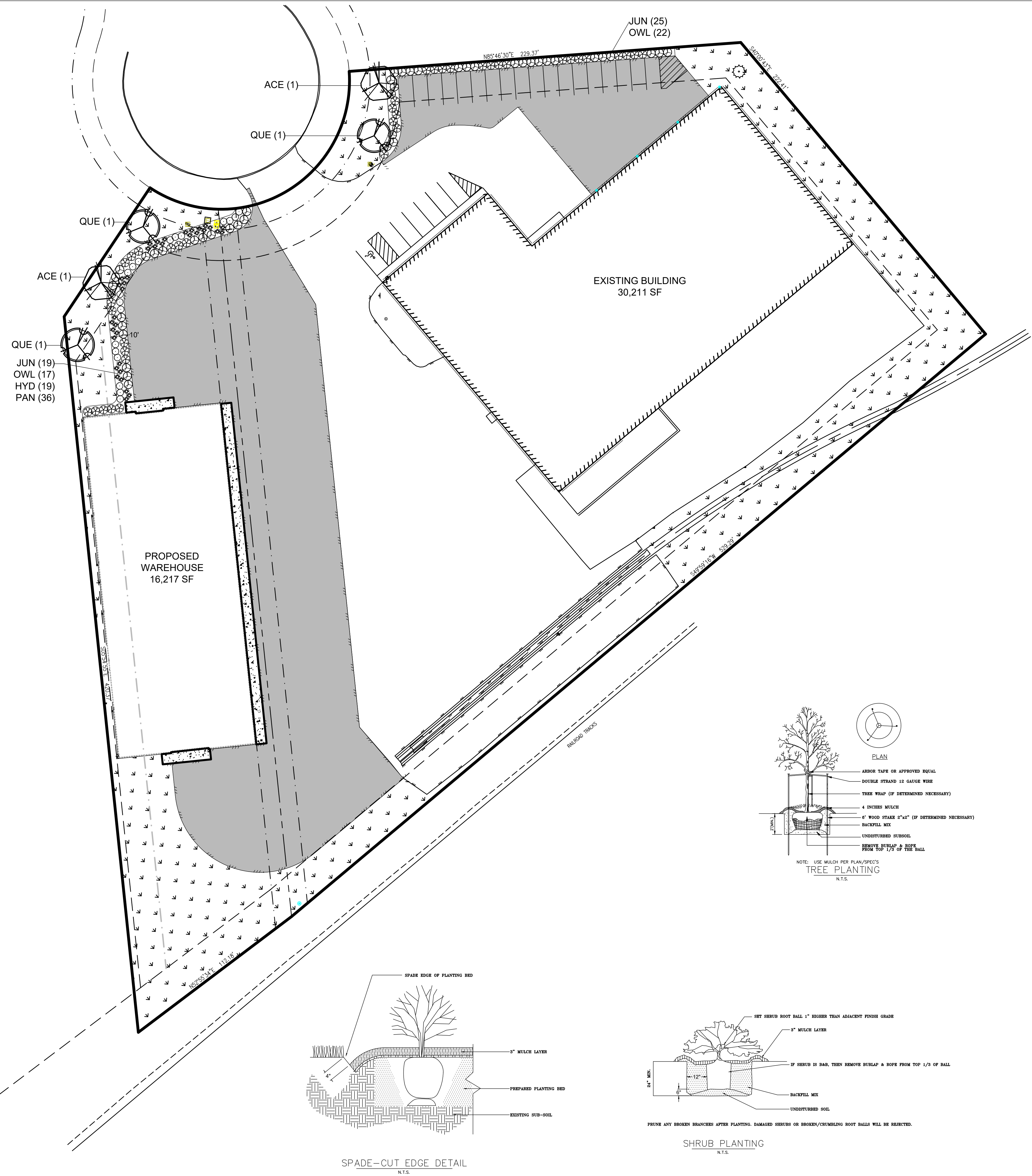
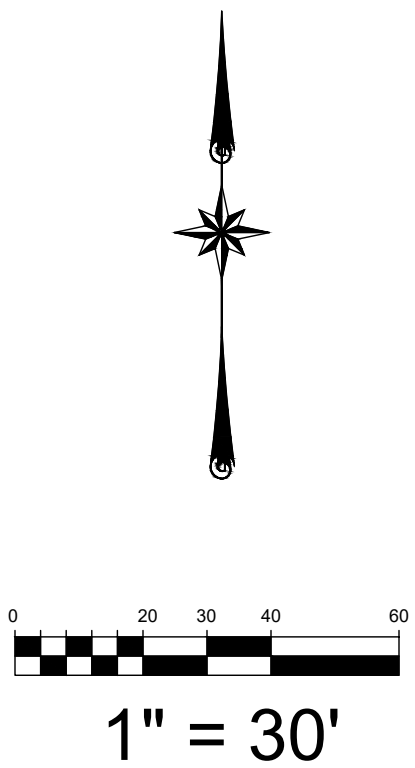
TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE
ACE	2	Maple 'Autumn Blaze' - Acer x freemanii	2" (10' tall)
QUE	3	Oak 'White' - Quercus alba	2" (10' tall)

SHRUBS & GRASSES	QTY	COMMON NAME / BOTANICAL NAME	SIZE
JUN	44	Juniper 'Sea Green' - Juniperus chinensis	36" BB
OWL	39	Juniper 'Grey Owl' - Juniperus virginiana 'Grey Owl'	36" BB
HYD	19	Hydrangea 'Lime Light' - Hydrangea paniculata	#5 36"
PAN	36	Switch Grass 'Heavy Metal' - Panicum virgatum	#5 36"

NOTE: STREET TREES TO BE A MINIMUM OF 2" IN CALIBER AND AT LEAST 10' IN HEIGHT AT TIME OF PLANTING.
PARKING LOT SCREENING MUST BE A MINIMUM OF 3' IN HEIGHT AT TIME OF PLANTING AND MUST BE MAINTAINED
AT 3' IN HEIGHT.

PLANT LEGEND:

- MAPLE 'AUTUMN BLAZE'
- WHITE OAK
- JUNIPER 'GREY OWL'
- JUNIPER 'SEA GREEN'
- HYDRANGEA 'LIME LIGHT'
- REED GRASS 'KARL FOERSTER'



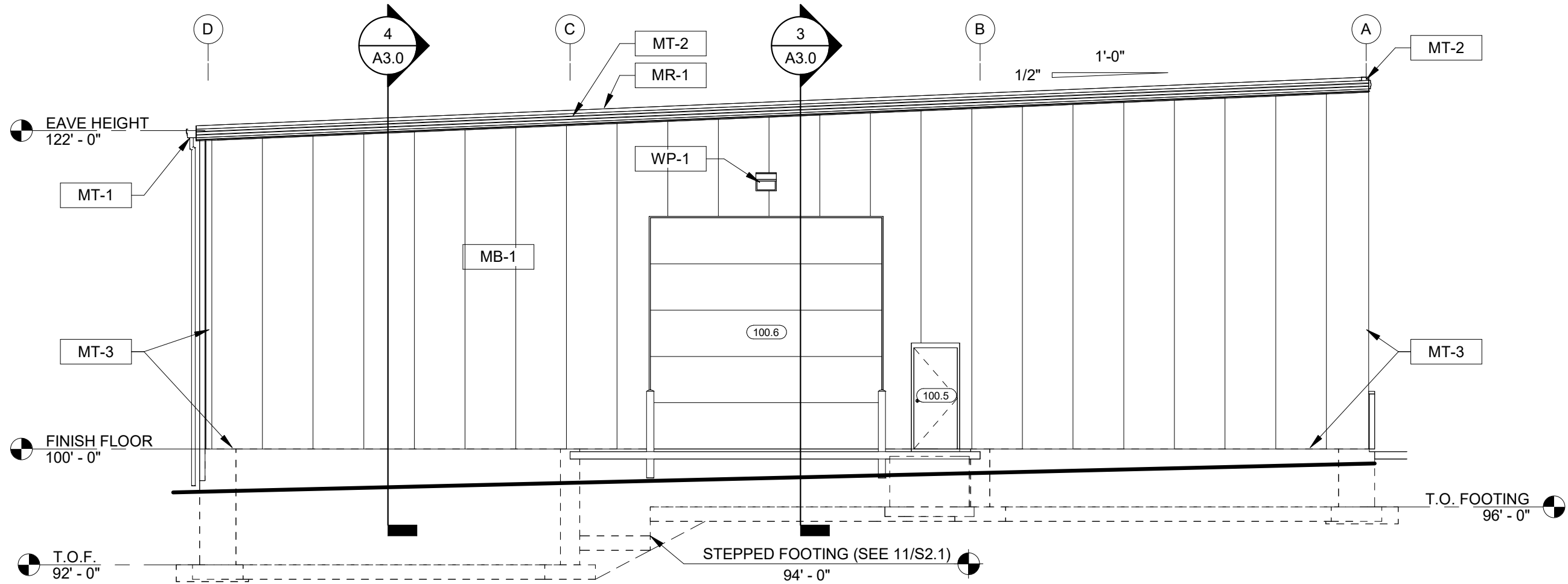


DEPERE, WISCONSIN; COUNTY OF BROWN

REVISIONS

FLOOR PLAN - PROPOSED





BUILDING ELEVATION - SOUTH

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

EXTERIOR FINISH LEGEND

MARK DESCRIPTION

MT-1

LOCATION: FASCIA TRIMS & SOFFITS (METAL)
COLOR: CHARCOAL

MT-3

LOCATION: CORNER & BASE TRIMS (METAL)
COLOR: PEARL GREY

MB-1

LOCATION: WALL PANEL
MATERIAL: 2" INSULATED METAL PANEL
COLOR: PEARL GREY

MT-2

LOCATION: RAKE & TRIMS (METAL)
COLOR: CHARCOAL

CMU-1

LOCATION: 4" SPLIT FACE CMU
MATERIAL: NATURAL CUT STONE
COLOR: NATURAL GREY
COMMENTS: STONE SILL

MR-1

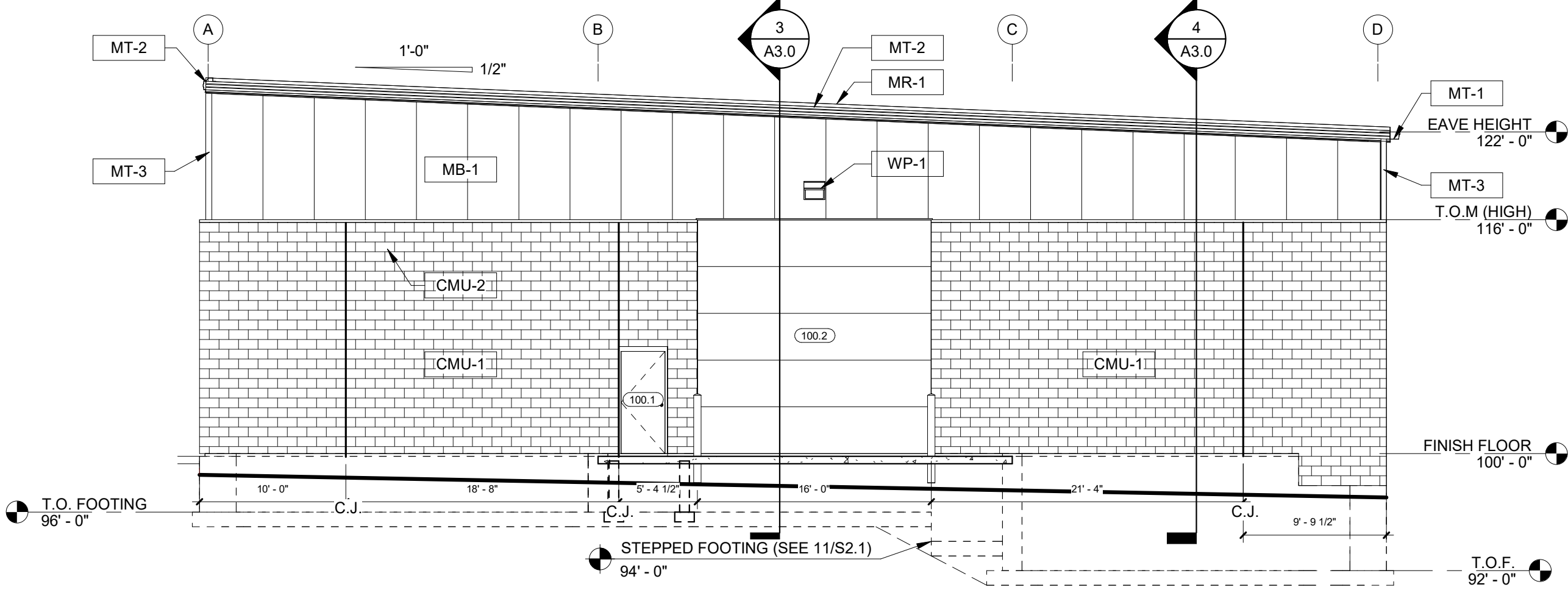
LOCATION: ROOF PANEL
MATERIAL: 24 GA. DOUBLE LOK SSR
COLOR: GALVALUME

DS-1

DOWNSPOUT LOCATION (METAL)

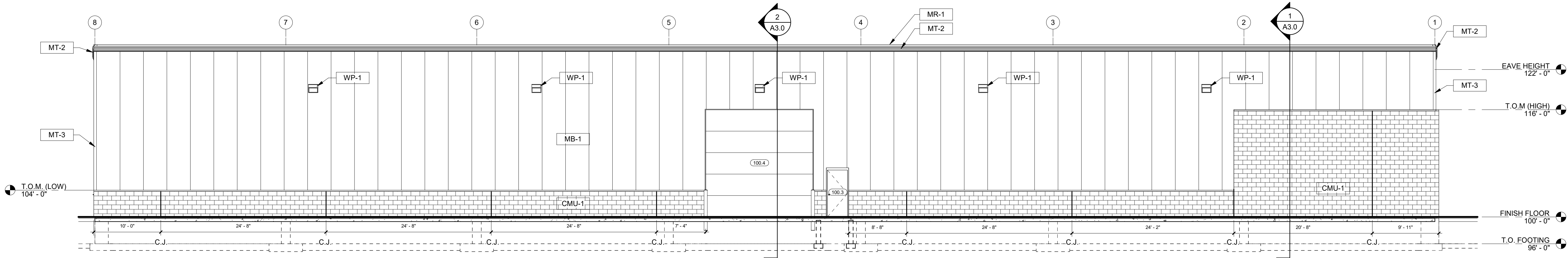
WP-1

WALLPACK LIGHTING LOCATION



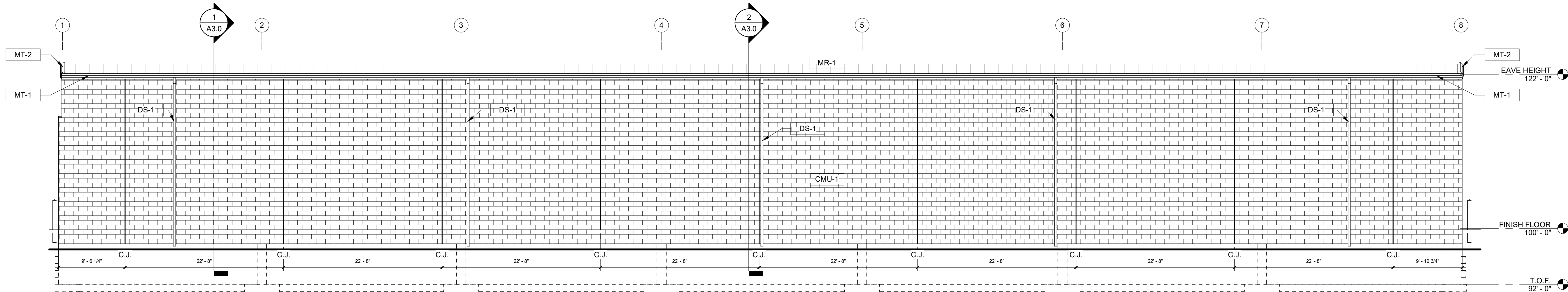
BUILDING ELEVATION - NORTH

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



BUILDING ELEVATION - EAST

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



BUILDING ELEVATION - WEST

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



BAYLAND BUILDINGS

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(920) 498-9300 FAX (920) 498-3033
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DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

BADGERLAND SUPPLY

DEPERE, WISCONSIN; COUNTY OF BROWN

SCALE VERIFICATION

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JOB NUMBER: 24-5804

PROJECT EXECUTIVE: TIM AMBROSIOUS
(920)371-0853

DRAWN BY: CRP

DATE: 9/6/24

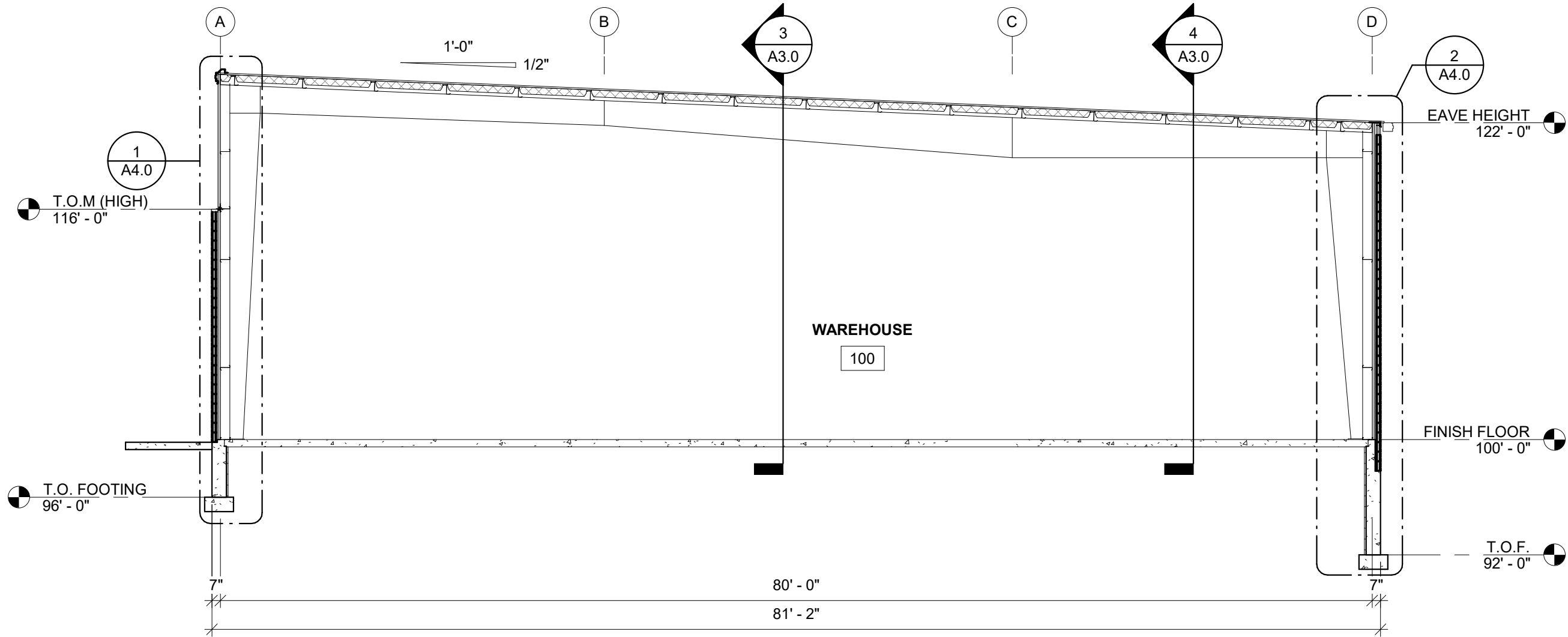
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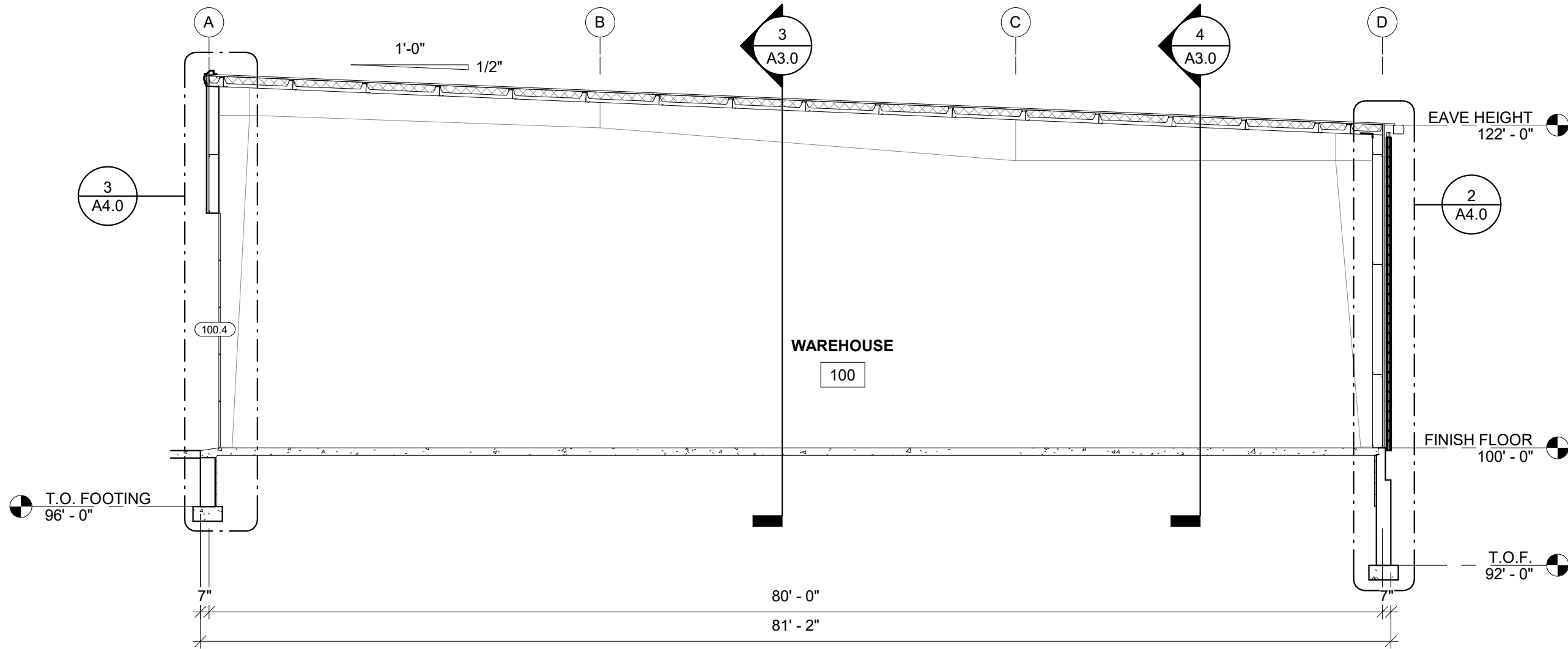
SECTIONS - BUILDING

A3.0



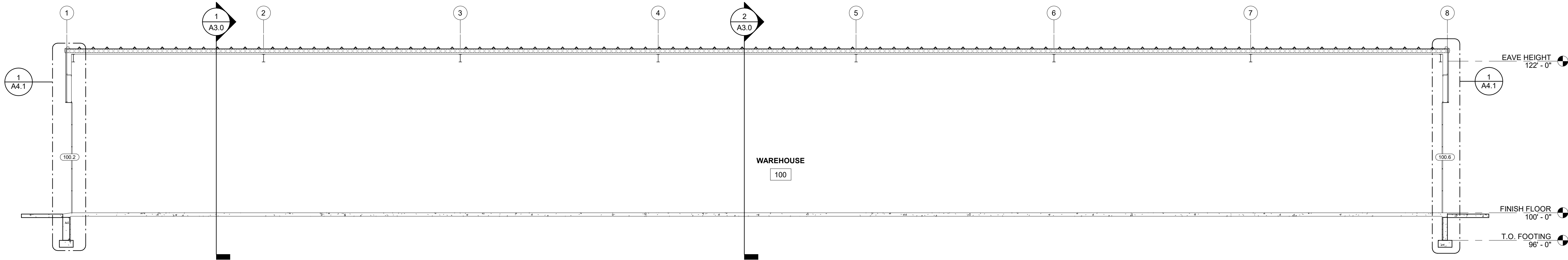
BUILDING SECTION

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



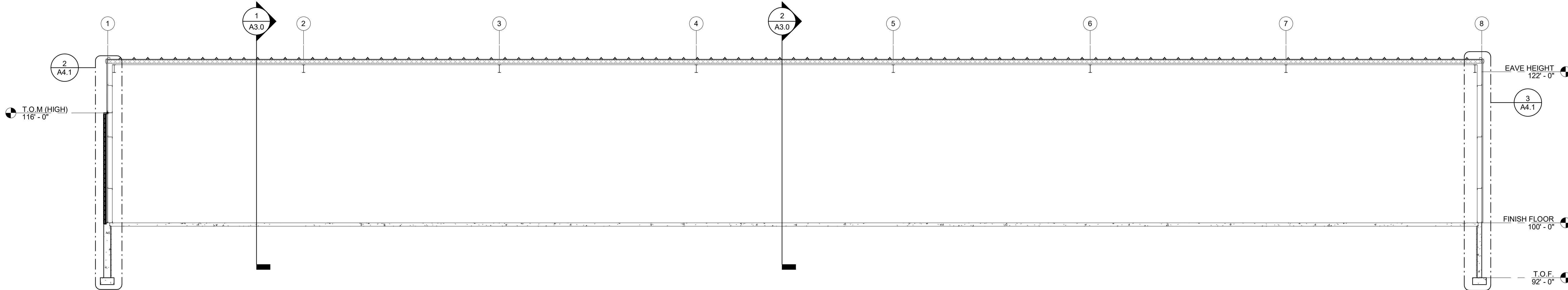
BUILDING SECTION

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



BUILDING SECTION

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



BUILDING SECTION

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



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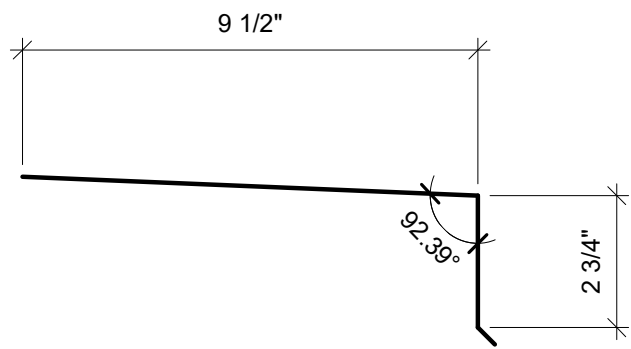
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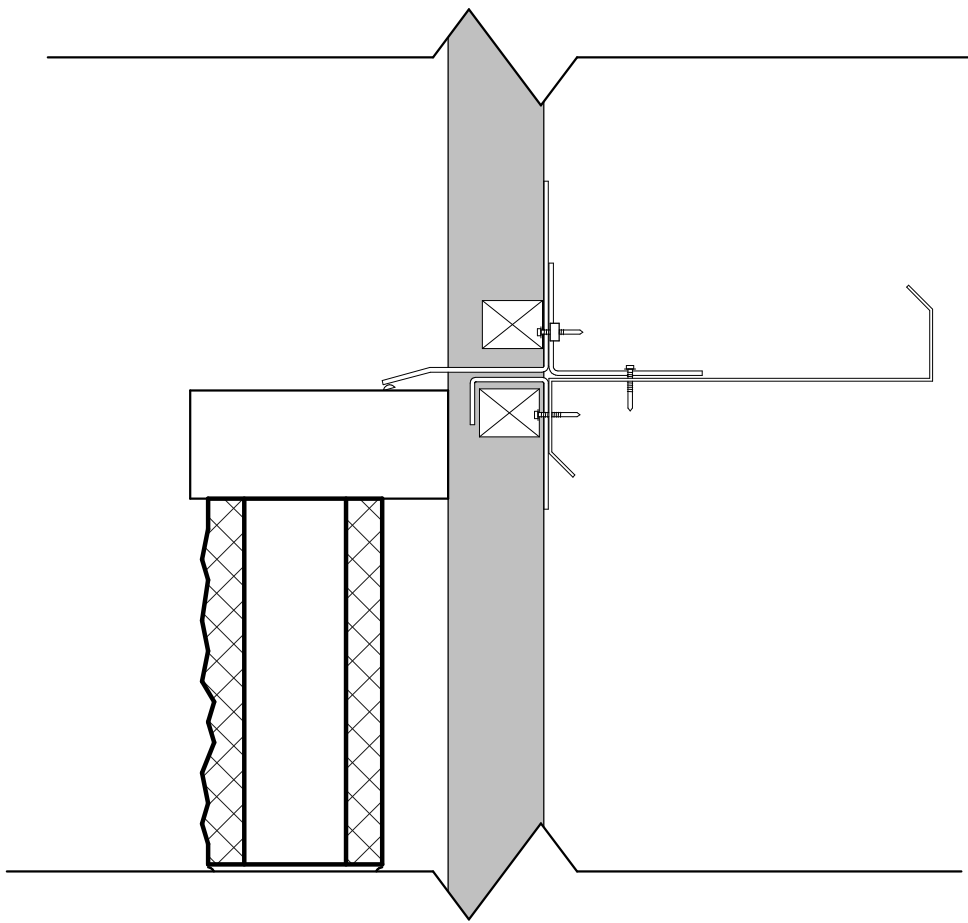
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SECTIONS - WALL / DETAILS

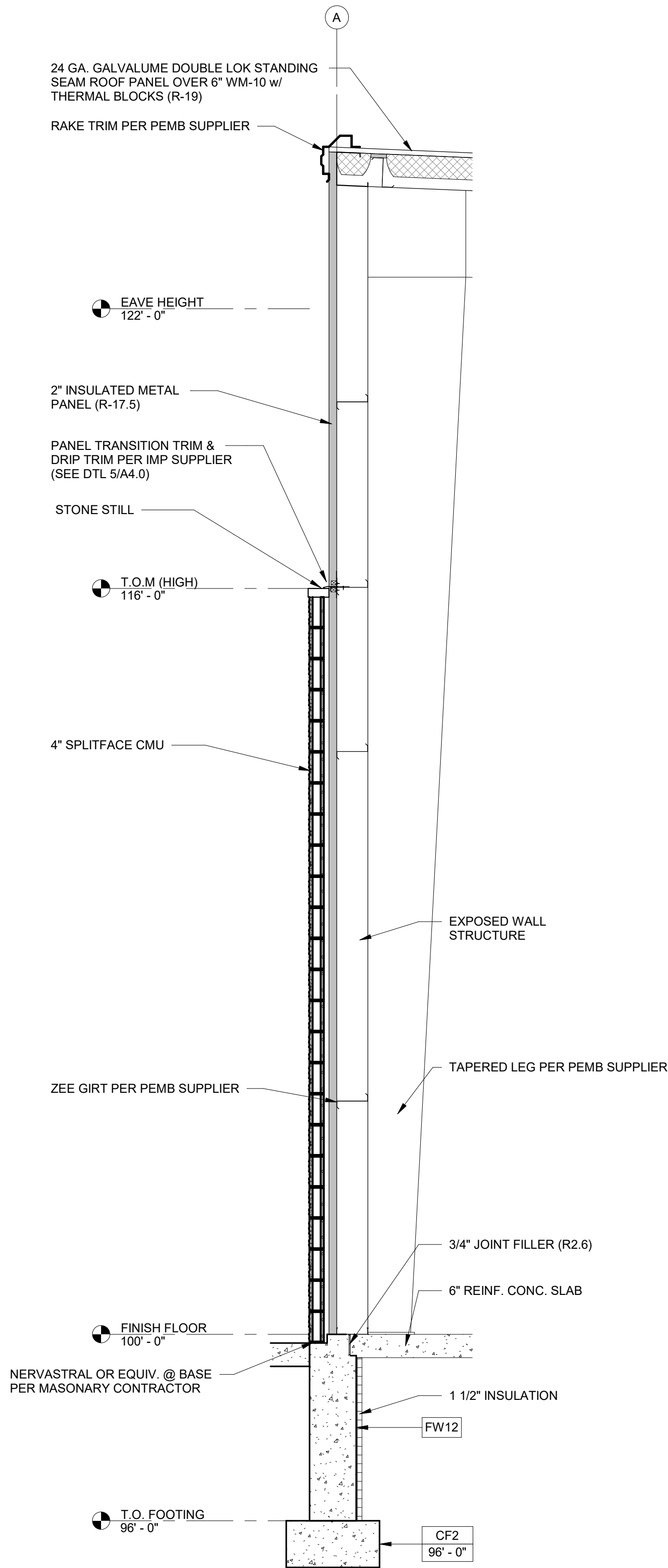
A4.0



4 /A4.0 SPECIAL EAVE TRIM 3" = 1'-0"

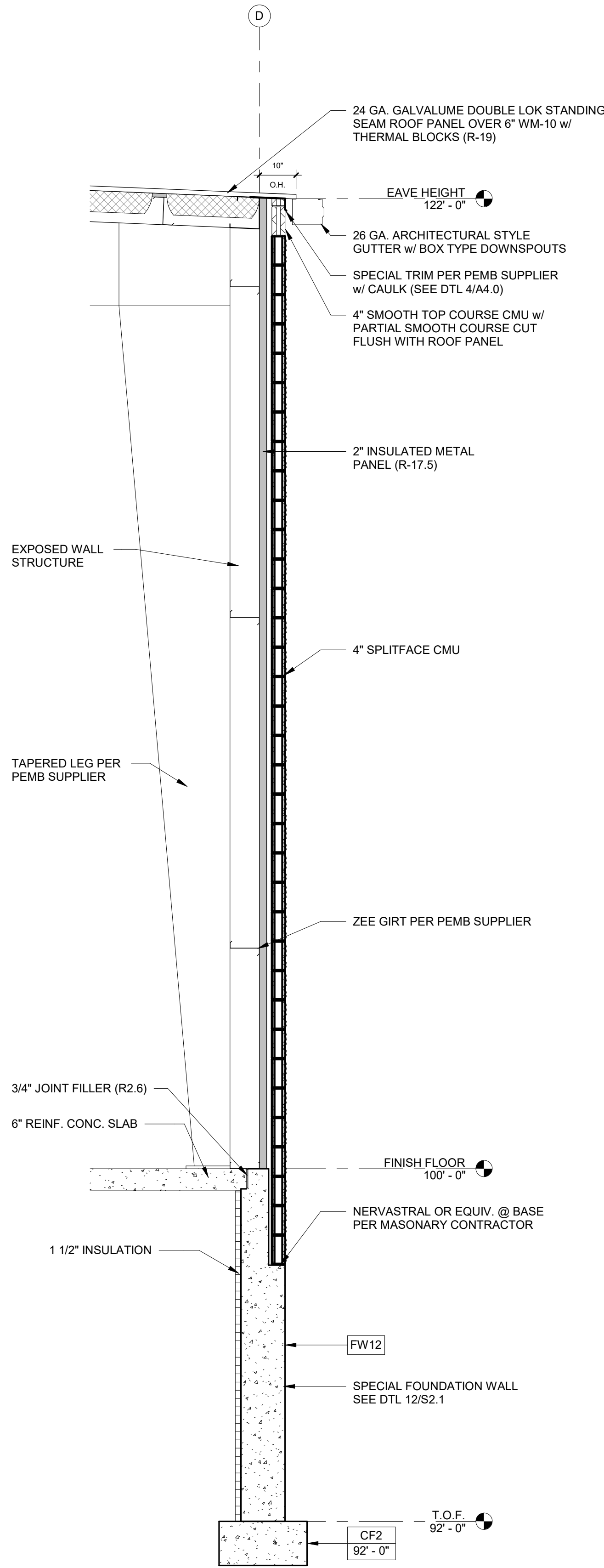


5 /A4.0 TRANSITION DETAIL 3" = 1'-0"



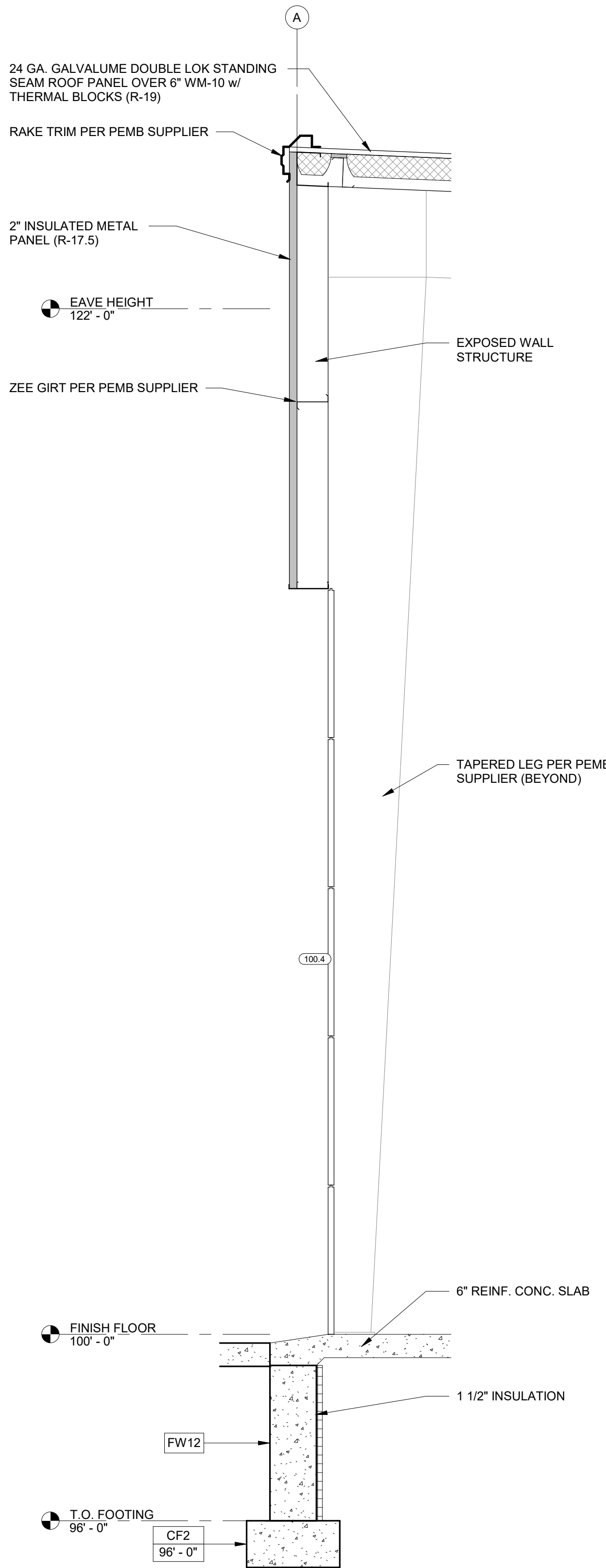
WALL SECTION

1 /A4.0 SCALE = 1/2" = 1'-0"



WALL SECTION

2 /A4.0 SCALE = 1/2" = 1'-0"



WALL SECTION

3 /A4.0 SCALE = 1/2" = 1'-0"



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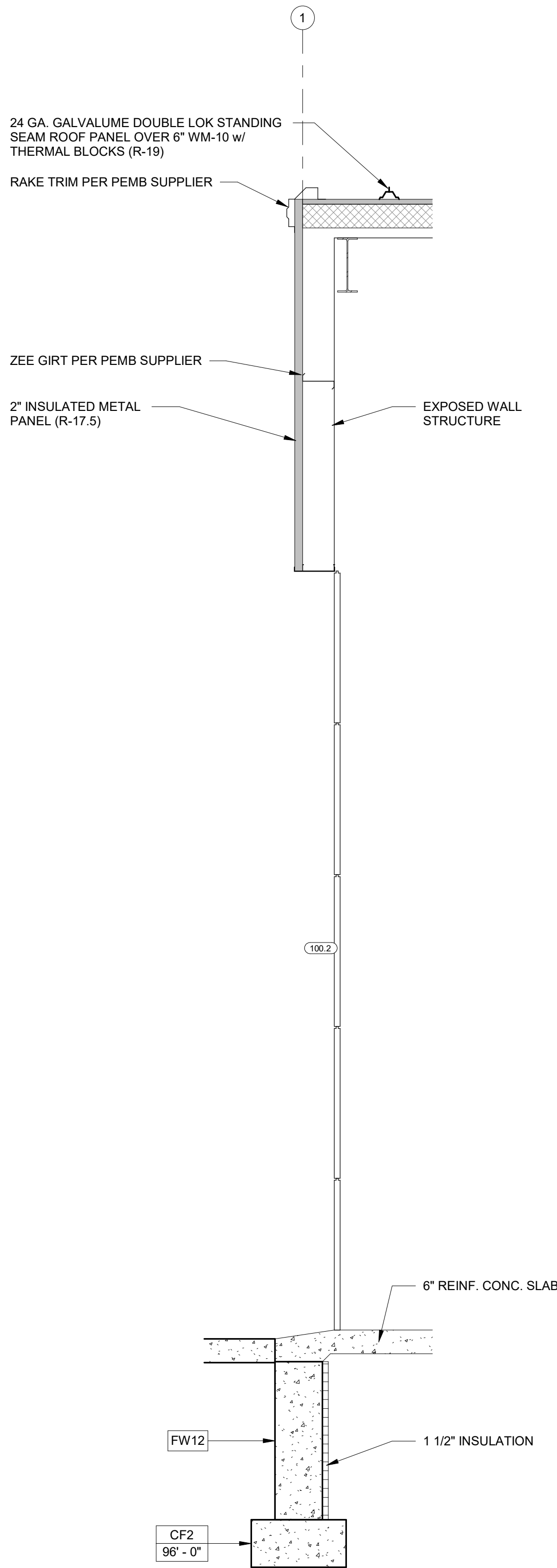
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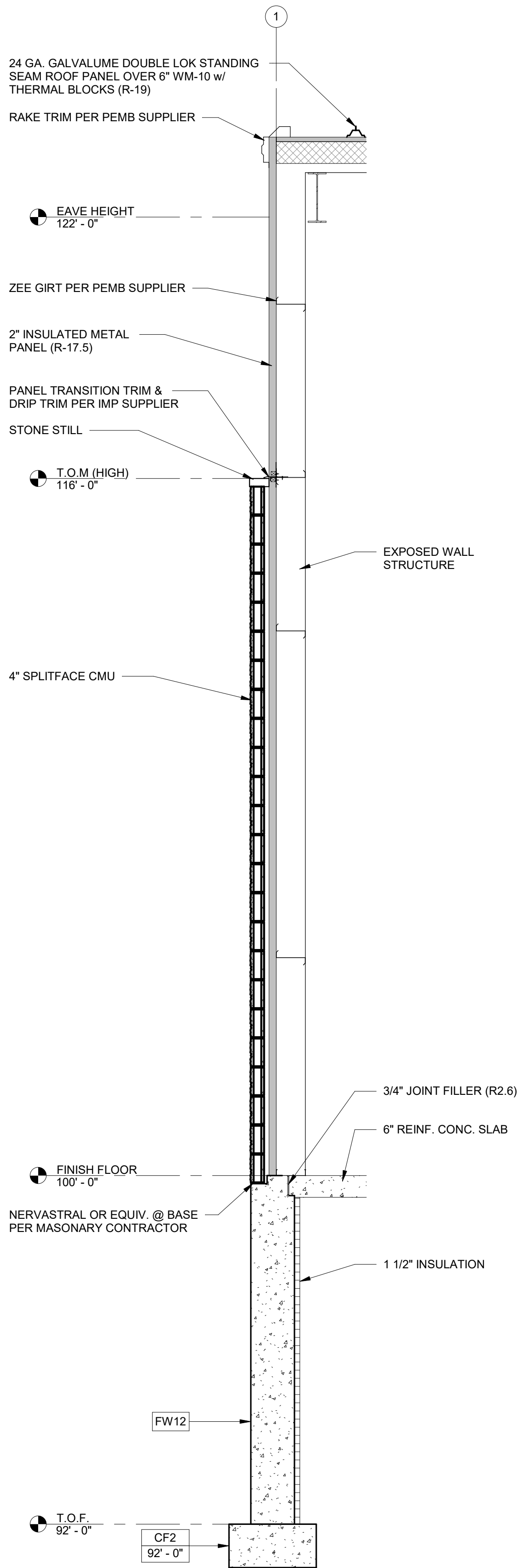
SECTIONS - WALL / DETAILS

A4.1



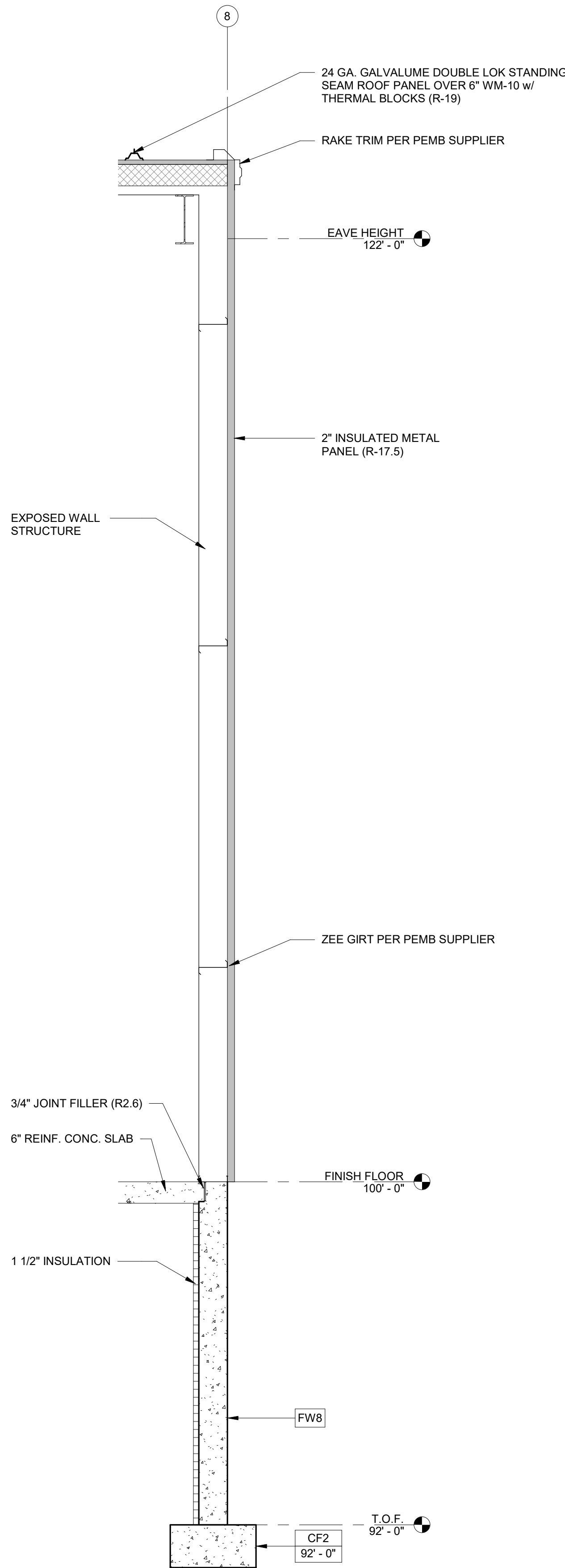
WALL SECTION

1 /A4.1 SCALE = 1/2" = 1'-0"



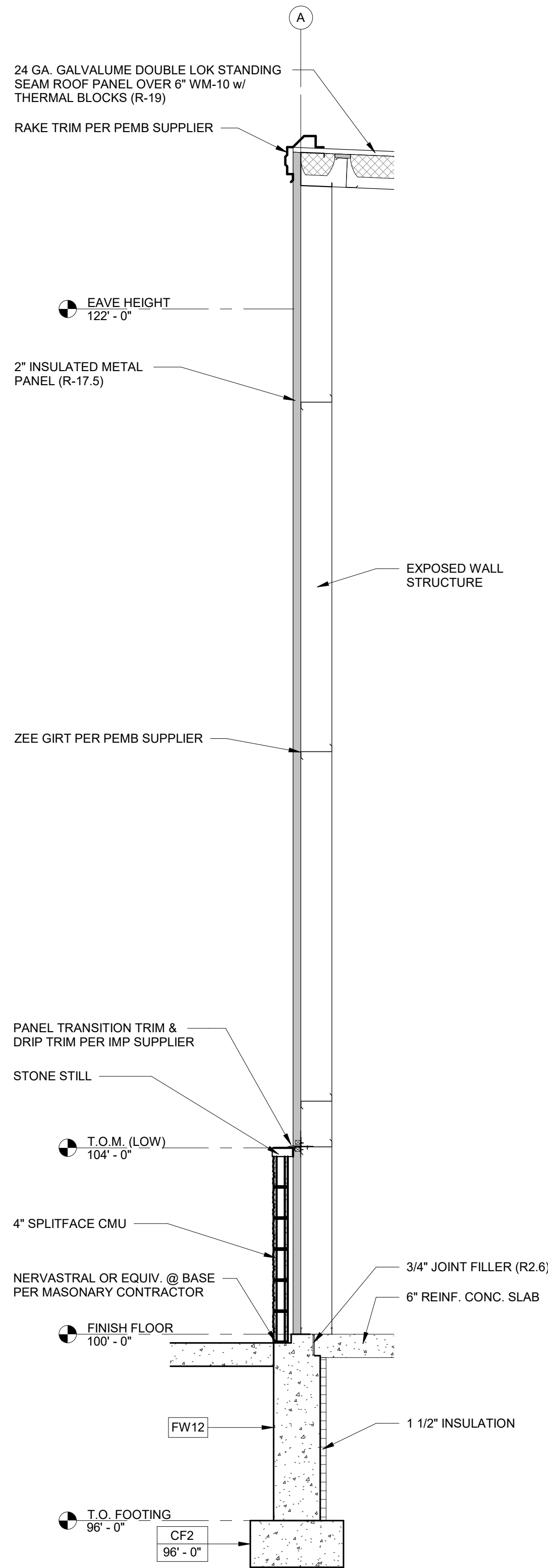
WALL SECTION

2 /A4.1 SCALE = 1/2" = 1'-0"



WALL SECTION

3 /A4.1 SCALE = 1/2" = 1'-0"



WALL SECTION

4 /A4.1 SCALE = 1/2" = 1'-0"



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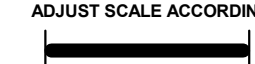
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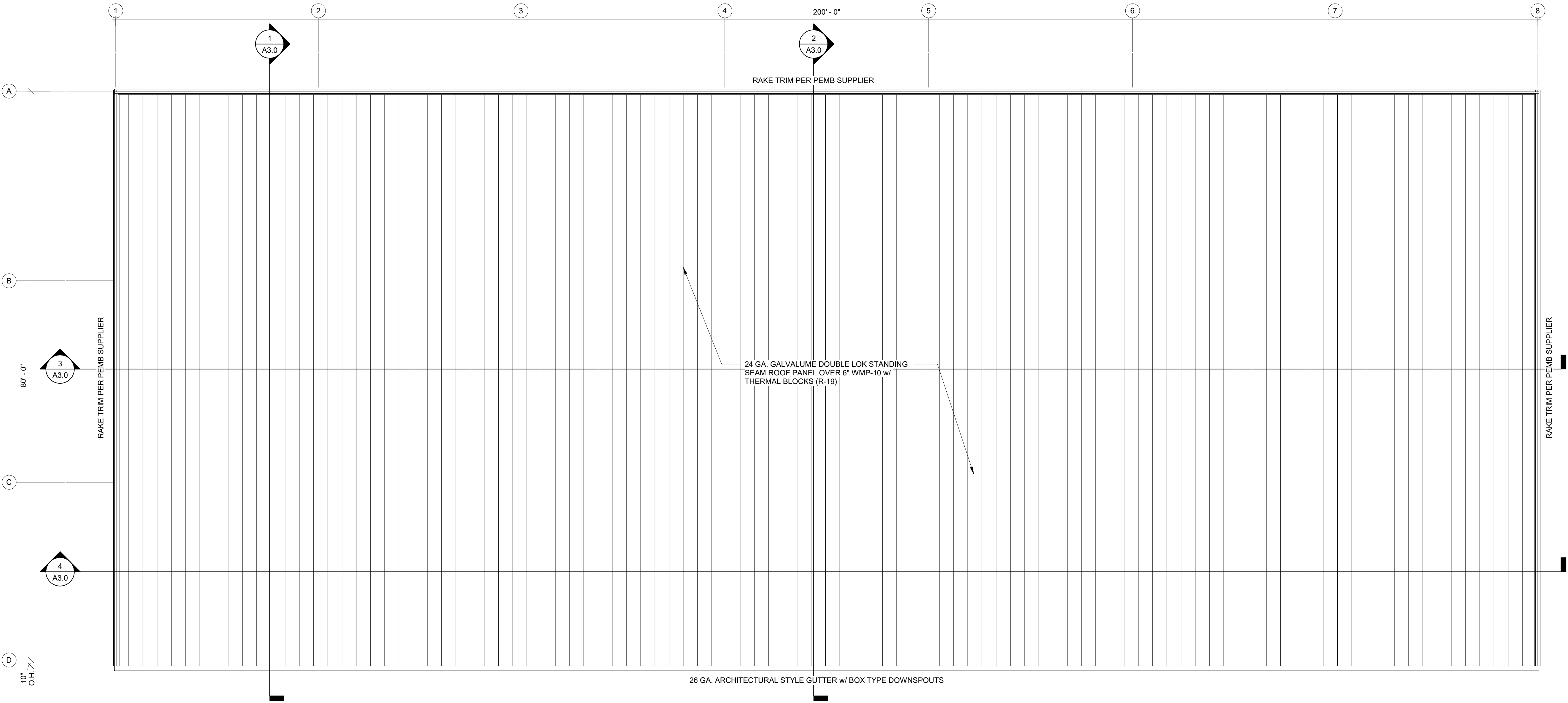
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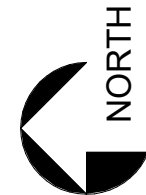
ROOF PLAN - PROPOSED

A7.0



ROOF PLAN - PROPOSED

1/A7.0 SCALE = 1/8" = 1'-0"





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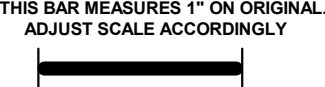
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<input checked="" type="checkbox"/>	CONSTRUCTION		

STRUCTURAL DESIGN CRITERIA

S0.1

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

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

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

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

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

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

IBC 1809.5 - PROVIDE FROST PROTECTION OF SHALLOW FOUNDATION WITH INSULATION MEETING THE MINIMUM R VALUE, EXTENT AND DEPTH REQUIRED BY ASCE 32 FOR THIS BUILDING SITE. OTHERWISE, PROVIDE NON-FROST-SUSCEPTIBLE SOIL [AS DEFINED BY GRANULAR SOILS OR OTHER APPROVED NON-FROST SUSCEPTIBLE FILL MATERIAL WITH LESS THAN 6% OF MASS PASSING A #200 MESH (SIEVE) DOWN TO ANTICIPATED FROST DEPTH, OR OTHER ACCEPTABLE MEANS.

4/S0.1 SHALLOW FOUNDATIONS N.T.S.

FOUNDATIONS PLACED ON A LAYER OF WELL-DRAINED, UNDISTURBED GROUND OR FILL MATERIAL THAT IS NOT SUSCEPTIBLE TO FROST SHALL HAVE THE THICKNESS OF SUCH A LAYER INCLUDED IN MEETING THE DESIGN FROST DEPTH DEFINED IN SECTION 3.2. UNDISTURBED GRANULAR SOILS OR FILL MATERIAL WITH LESS THAN 6% OF MASS PASSING A #200 (0.075 MM) MESH SIEVE IN ACCORDANCE WITH ASTM D422 AND OTHER APPROVED NON-FROST-SUSCEPTIBLE MATERIALS SHALL BE CONSIDERED NON-FROST-SUSCEPTIBLE. CLASSIFICATION OF FROST SUSCEPTIBILITY OF SOIL SHALL BE DETERMINED BY A SOILS OR GEOTECHNICAL ENGINEER, UNLESS OTHERWISE APPROVED.

5/S0.1 NON-FROST-SUSCEPTIBLE GROUND OR FILL MATERIAL N.T.S.

- MASONRY
- ALL REINFORCED CONCRETE MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING:
ACI 530.1-96/ASCE 6-95/TMS 602-95 "SPECIFICATIONS FOR MASONRY STRUCTURES"
ACI 530-95/ASCE 5-95/TMS 402-95 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
 - CONCRETE BLOCK SHALL CONFORM TO ASTM C-90. THE REQUIRED STRENGTH ON THE NET CROSS SECTIONAL AREA OF THE CONCRETE BLOCK SHALL BE 2,500 PSI.
 - MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
 - GROUT SHALL CONFORM TO ASTM C476. GROUT MAY BE PLACED BY THE "HIGH LIFT" METHOD, CONFORMING TO THE GROUTING PATTERNS REQUIRED BY THE CONTRACT DRAWINGS.
 - THE REQUIRED MINIMUM 28-DAY COMPRESSIVE STRENGTH OF THE COMBINATION OF CONCRETE BLOCK, GROUT AND MORTAR ON THE NET AREA OF THE WALL (F_m) SHALL BE MINIMUM OF 1,830 PSI.
 - ALL CONCRETE BLOCK MASONRY UNITS SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
 - MASONRY BLOCK CELLS CONTAINING VERTICAL REINFORCING SHALL BE GROUTED SOLID. FILLING CELLS WITH MORTAR IS UNACCEPTABLE.
 - THE BASE OF EACH CELL IN WHICH A BAR IS PLACED, MUST HAVE A CLEANOUT HOLE.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. VERTICAL REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS.
 - PROVIDE CONTINUOUS REINFORCED BOND-BEAMS IN ALL REINFORCED MASONRY WALLS AT TOPS OF WALLS, IMMEDIATELY BELOW STEEL BEARINGS AND WHEREVER CALLED FOR IN CONTRACT DRAWINGS. BOND BEAM REINFORCING SHALL EXTEND INTO AND BE CONTINUOUS WITH ALL INTERSECTING BOND BEAMS.
 - REINFORCED MASONRY WALLS SHALL HAVE #9 GAUGE (TRUSS TYPE) HORIZONTAL REINFORCING AT SPACING AS NOTED ON THE CONTRACT DRAWINGS, BUT AT A MAXIMUM OF 16" O.C.
 - FILL CORES OF MASONRY UNDER ALL BEARING PLATES FOR A WIDTH EQUAL TO THREE TIMES THE BEARING PLATE LENGTH FOR THREE COURSES BELOW BEARING.
 - ANCHORED MASONRY VENEER SHALL COMPLY WITH ACI 530/ASCE 5/TMS 402. SPACE ANCHORS AT A MAXIMUM OF 32" HORIZONTALLY AND 18" VERTICALLY. PROVIDE ADDITIONAL ANCHORS AROUND ALL OPENINGS LARGER THAN 16" IN EITHER DIMENSION. SPACE ANCHORS MAX 3' O.C WITH 12" OF OPENING.
 - HOLLOW CONCRETE BLOCK UNITS, GRADEN, f_m= 2,000 PSI
 - GROUT = 2,000 PSI
 - MORTAR = TYPE S = 2,000 PSI ABOVE GRADE
MORTAR = TYPE M = 2,500 PSI BELOW GRADE
 - JOINT REINFORCEMENT - NEW MASONRY WALLS TO BE REINFORCED W/ 9 GAUGE DUR-O-WAL EVERY OTHER BLOCK COURSE.
 - SEE PLANS FOR VERTICAL MASONRY CONTROL JOINT LOCATIONS (V.M.C.J.) (U.N.O. SPACE 24'-0" O.C. OR 1.5 TIMES WALL HT (WHICHEVER IS LESS), 10' FROM CORNERS, UNLESS NOTED OTHERWISE)
 - MAXIMUM GROUT LIFT WITHOUT CLEAN-OUTS = 4'-0" MAXIMUM GROUT LIFT WITH CLEAN-OUTS = 8'-0"
 - SEE ARCHITECTURAL PLANS FOR REQUIRED FIRE RATINGS.
 - PROVIDE BOND BEAM W/ 2-#4 CONT. AT TOP OF MASONRY WALLS (U.N.O.)
 - ALL VERTICAL REINFORCING SHALL BE CONTINUOUS GROUTED IN CELLS
 - CHECK ELECTRICAL PLANS TO LOCATE ANY ELECTRICAL CONDUIT TO BE INSTALLED IN MASONRY CORE.
 - FULL MORTAR BED JOINTS ARE REQUIRED, TYPICAL.
 - ON EXTERIOR WALLS, PROVIDE WEEP HOLES, TO THE EXTERIOR ABOVE LINTELS AND AT BOTTOM OF WALL.
 - PROVIDE SPECIAL BLOCKS AT CORNERS, LINTELS, JAMBS, AND WALL ENDS.
 - SEE MASONRY DETAILS BELOW.
 - VENEER LINTEL:

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

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

FOUNDATION PLAN SYMBOLS

The diagram illustrates various foundation plan symbols and their corresponding labels:

- LEDGE TOP ELEV.**: Points to a horizontal line representing a ledge.
- WALL MARK**: Points to a vertical line representing a wall.
- PIER MARK TOP ELEV.**: Points to a vertical line representing a pier.
- CONCRETE FOUNDATION WALLS -SEE SCHEDULES**: Points to a vertical line representing concrete foundation walls.
- CONCRETE PIER -SEE SCHEDULE**: Points to a vertical line representing a concrete pier.
- SPREAD FOOTING -SEE SCHEDULE**: Points to a horizontal line representing a spread footing.
- SEE TOP OF PIER/FOOTING DETAILS**: Points to a horizontal line representing the top of a pier or footing.
- CONTINUOUS FOOTING -SEE SCHEDULE**: Points to a horizontal line representing a continuous footing.
- K.O. TOP ELEV.**: Points to a horizontal line representing a key opening (K.O.) top elevation.
- CONT. FTG. MARK TOP ELEV.**: Points to a horizontal line representing a continuous footing mark top elevation.
- PIPE BOLLARDS SEE ARCH. PLANS**: Points to a circular symbol representing pipe bollards.
- SOLID GRAY HATCH REPRESENTS LEDGE/K.O. WALL/ PIER NOT AT ELEV. 100'-0"**: Points to a shaded area representing a ledge, key opening, or pier not at the 100'-0" elevation.
- F.S.**: Points to a horizontal line representing a footing step.
- FOOTING STEP - SEE TYP. FOOTING STEP DETAIL**: Points to a horizontal line representing a footing step.



DEPERE, WISCONSIN; COUNTY OF BROWN

THIS BAR MEASURES 1" ON ORIGINAL
ADJUST SCALE ACCORDINGLY

REVISIONS

FOUNDATION PLAN - PROPOSED

1 /S1.0 SCALE = 1/8" = 1'-0"



BUILDING REFERENCE LINES

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

ANCHOR ROD PLAN GENERAL NOTES

- AN1: THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR ROD MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER. ANCHOR ROD EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION ENGINEER.
- AN2: METAL BUILDING MAUNFACTURER IS NOT RESPONSIBLE FOR PROJECT FOUNDATION DESIGN. THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS
- AN3: ANCHOR RODS, NUTS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS AND CONCRETE / MASONRY EMBEDMENT PLATES ARE NOT BY THE METAL BUILDING MANUFACTURER.

- AN4: THE ANCHOR ROD LOCATIONS PROVIDED BY THE METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO MAKE CERTAIN THAT SUFFICIENT EDGE DISTANCE IS PROVIDED FOR ALL ANCHOR RODS IN THE DETAILS OF THE FOUNDATION DESIGN.
- AN5: DRAWINGS ARE NOT TO SCALE. SEE DETAILS FOR COLUMN ORIENTATION.
- AN6: THE ANCHOR ROD PLAN INDICATES WHERE THE ANCHOR RODS ARE TO BE PLACED AS WELL AS THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE ANCHOR ROD PATTERNS BE FOLLOWED. IF THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY - BEFORE CONCRETE IS PLACED.

- AN7: SINGLE "CEE" COLUMNS SHALL BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS NOTED OTHERWISE.
- AN8: ALL DIMENSIONS ARE OUT TO OUT OF STEEL. IF A CONCRETE NOTCH IS REQUIRED THEN THE REQUIRED DIMENSION SHOULD BE ADDED TO OBTAIN THE OUT TO OUT OF CONCRETE DIMENSIONS.

TYPICAL BASEPLATE ELEVATION

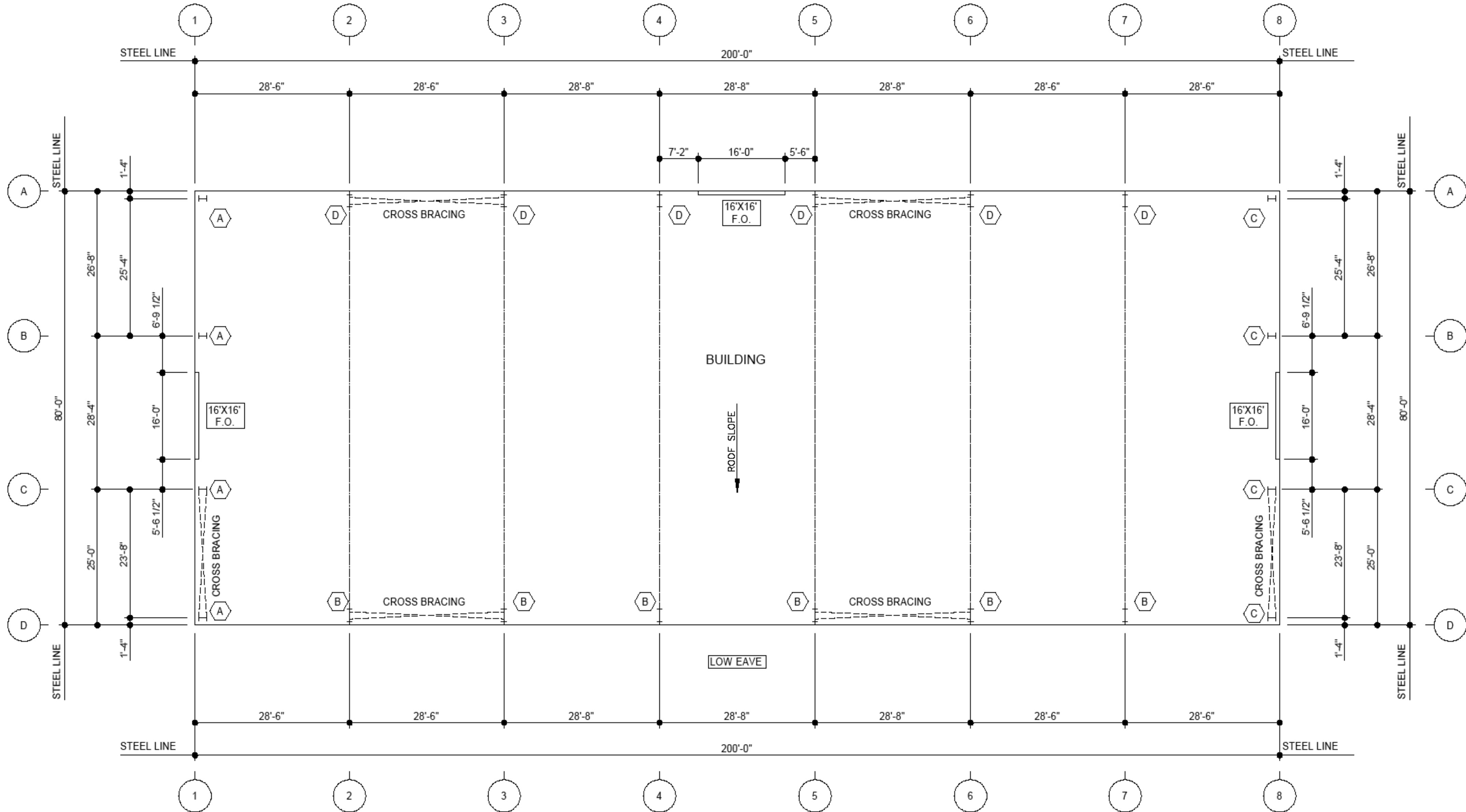
FINISHED FLOOR = 100'-0"

BOTTOM OF BASEPLATE
ELEVATION = 100'-0"

(AT FINISHED FLOOR U.N.O.)

ANCHOR ROD SCHEDULE

QUANTITY	SIZE	MATERIAL	PROJECTION
0	3/4"	F1554 GR 36	3" FROM BOTTOM OF BASE PLATE
80	1"	F1554 GR 36	3" FROM BOTTOM OF BASE PLATE
0	1 1/4"	F1554 GR 36	3" FROM BOTTOM OF BASE PLATE



JOB NUMBER	W24V0322A	ADDRESS	BROWN COUNTY DE PERE, WI
PROJECT NAME	BADGERLAND SUPPLY	PHONE: (260) 837-7891	
BUYER NAME	BAYLAND BUILDINGS, INC	FAX: (260) 837-7384	
DRAWING STATUS	FOR CONSTRUCTION		
#	RELEASE / REVISION	DWN / CHK	ENG / DATE
0	ANCHOR RODS	RW / PT	ALM 3/7/04/2024
			SHEET F1
			DRAWING TITLE ANCHOR ROD PLAN



PROPOSED BUILDING FOR:

BADGERLAND SUPPLY

DEPERE, WISCONSIN; COUNTY OF BROWN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO
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SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.C. AS AMENDED
DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS
COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION
INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL
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REPRESENTED, CAN LEGALLY RESULT IN THE CESSATION OF
CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY
COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 24-5804

PROJECT EXECUTIVE: TIM AMBROSIOUS
(920)371-0853

DRAWN BY: CRP

DATE: 9/6/24

REVISIONS:

ISSUED FOR: CHECKED BY: DATE:

- ☐ PRELIMINARY
- ☐ BID SET
- ☐ DESIGN REVIEW CP,SM,TA 07/24/24
- ☐ CHECKSET DVR,EW,TA 08/01/24
- ☒ CONSTRUCTION

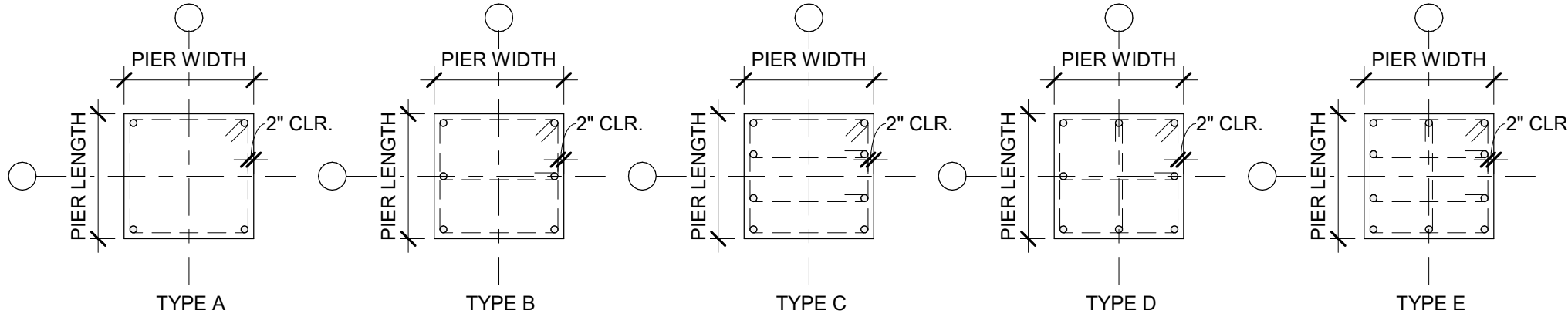
ANCHOR BOLT PLAN

S1.2

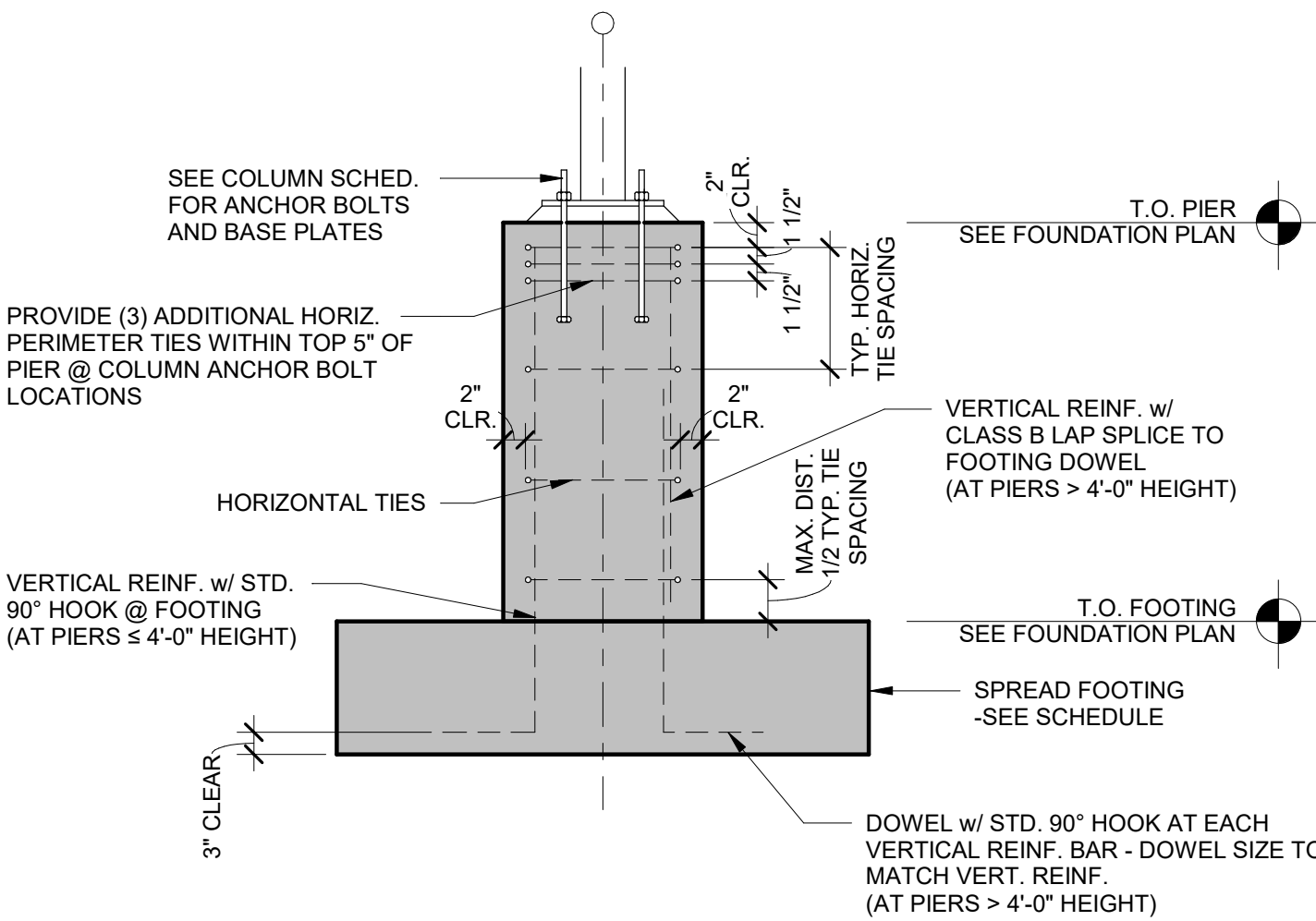
PIER SCHEDULE						
MARK	SIZE		VERTICAL REINF.	HORIZONTAL TIES	REINF. TOP VIEW	REMARKS
	WIDTH	LENGTH				
P10	16"	24"	(8) #5	#3 @ 12" O.C.	TYPE C	
P50	32"	30"	(6) #5	#3 @ 12" O.C.	TYPE B	
P51	16"	32"	(8) #5	#3 @ 12" O.C.	TYPE B	
P52	24"	30"	(8) #5	#3 @ 12" O.C.	TYPE B	
P53	32"	16"	(6) #5	#3 @ 12" O.C.	TYPE B	

CONCRETE PIER SCHEDULE NOTES:

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

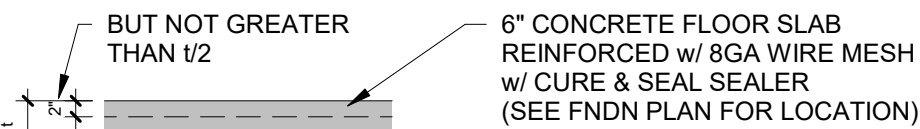


PIER REINF. TYPES, TOP VIEW - MIX A3

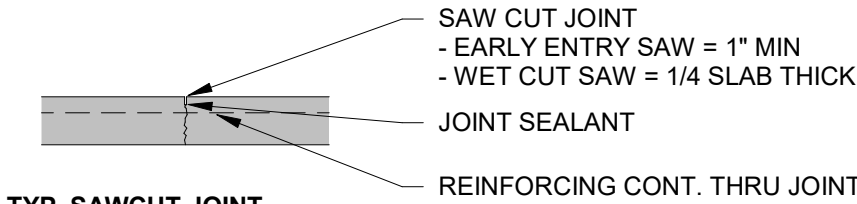


TYP. CONCRETE PIER DETAIL - MIX A3

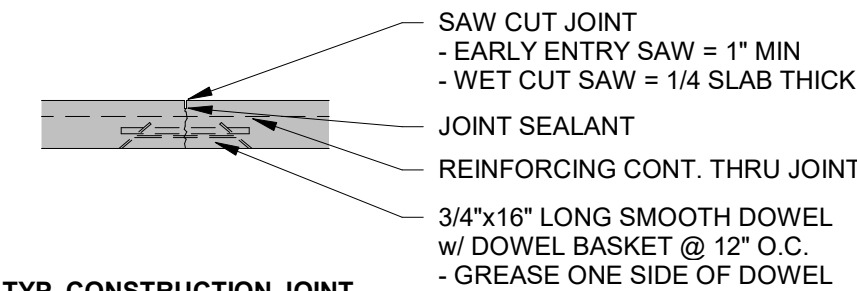
5 /S2.0 SCALE = 3/8" = 1'-0"



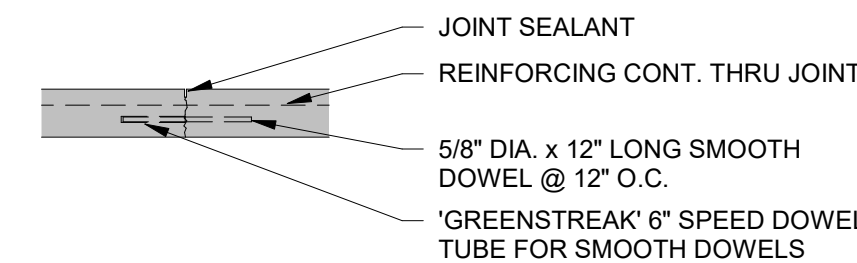
TYP. SLAB DETAIL



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



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



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

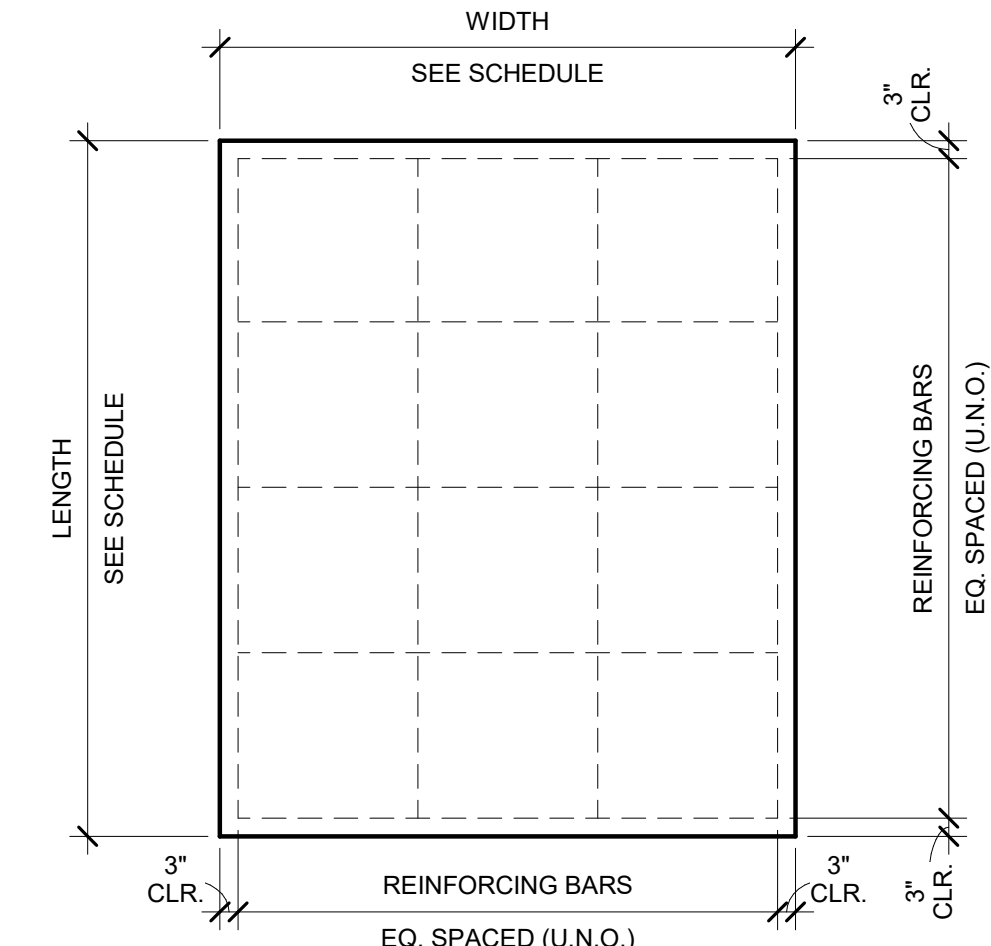
TYP. INTERIOR CONCRETE SLAB - MIX B7

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

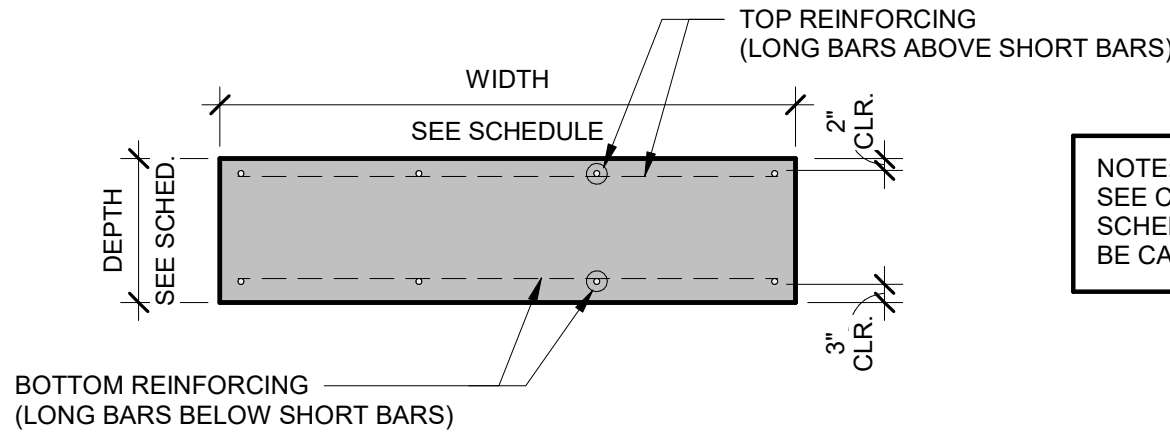
SPREAD FOOTING SCHEDULE								
MARK	FOOTING SIZE			REINFORCEMENT - LONG BARS		REINFORCEMENT - SHORT BARS		Remarks
	LENGTH	WIDTH	DEPTH	BOTTOM	TOP	BOTTOM	TOP	
F3.5	3' - 6"	3' - 6"	12"	(3) #5	-	(3) #5	-	
F5	5' - 0"	5' - 0"	14"	(5) #5	-	(5) #5	-	

SPREAD FOOTING SCHEDULE NOTES:

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



PLAN VIEW



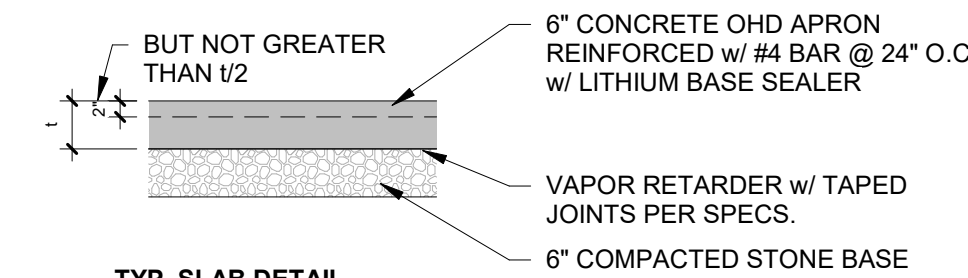
SECTION VIEW

TYP. SPREAD FOOTING DETAIL - MIX A3

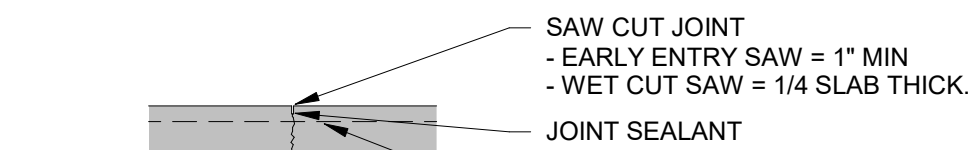
3 /S2.0 SCALE = 3/8" = 1'-0"

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

REV. 6-13-19



TYP. SLAB DETAIL



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

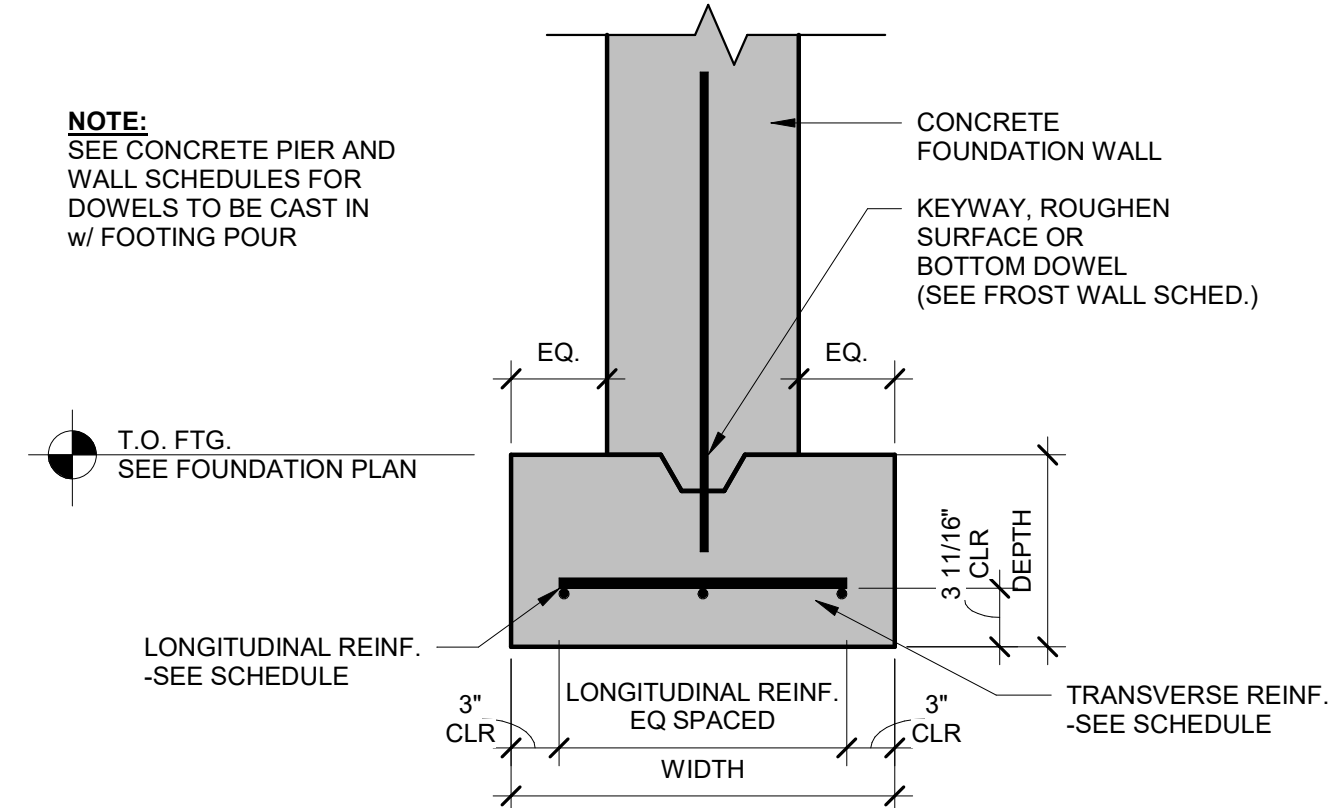
TYP. EXTERIOR CONCRETE SLAB - MIX C1

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

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

CONTINUOUS FOOTING SCHEDULE NOTES:

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



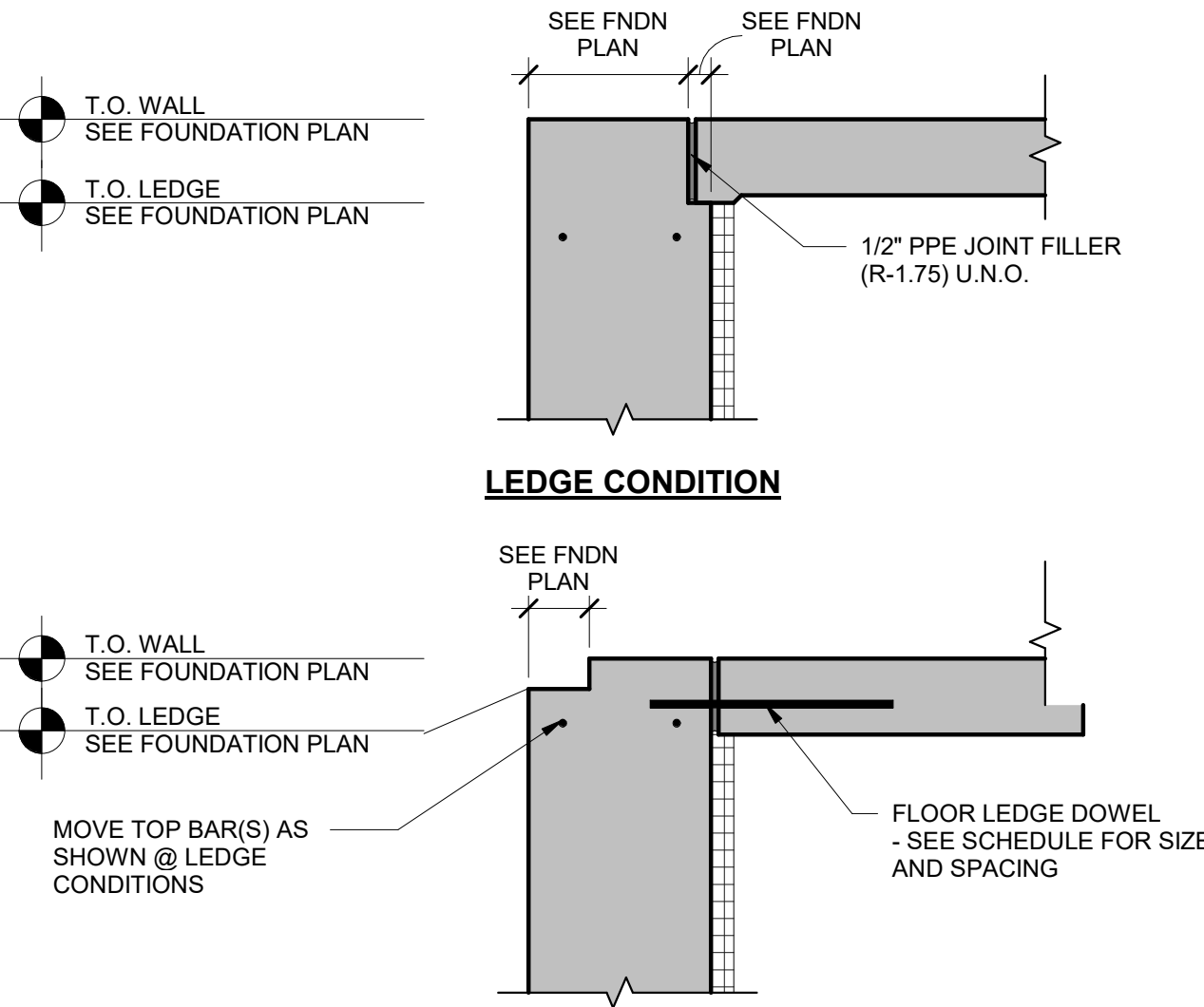
TYP. CONTINUOUS FOOTING DETAIL - MIX A3

1 /S2.0 SCALE = 1" = 1'-0"

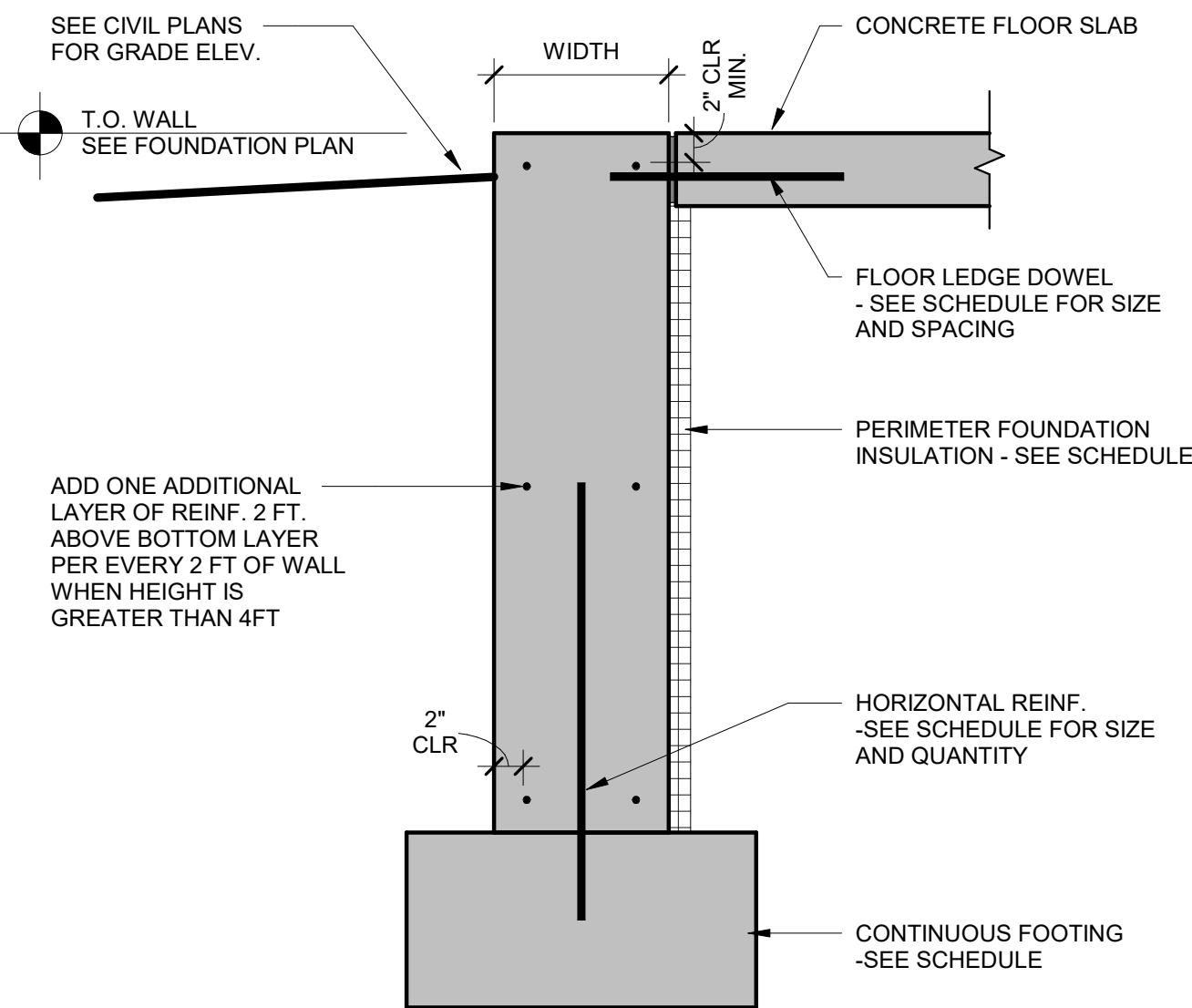
FROST WALL SCHEDULE				
MARK	WIDTH	HORIZONTAL REINF.	BOTTOM DOWEL	REMARKS
FW8	8"	(2) #4 TOP & BOT.	STRAIGHT 30" #4 48" O.C.	
FW12	12"	(2) #4 TOP & BOT.	STRAIGHT 30" #4 48" O.C.	

CONCRETE FROST WALL SCHEDULE NOTES:

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



OPTIONAL LEDGE CONDITION



TYP. CONCRETE FROST WALL DETAIL - MIX A3

2 /S2.0 SCALE = 1" = 1'-0"



BAYLAND BUILDINGS

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

DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

BADGERLAND SUPPLY

DEPERE, WISCONSIN; COUNTY OF BROWN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL.
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COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 24-5804

PROJECT EXECUTIVE: TIM AMBROSIOUS
(920)371-0853

DRAWN BY: CRP

DATE: 9/6/24

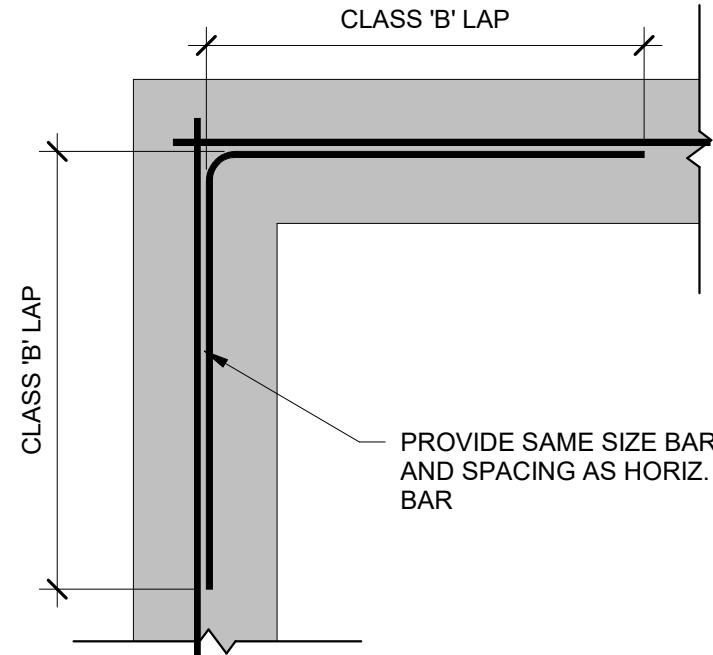
REVISIONS:

ISSUED FOR: CHECKED DATE:
BY:

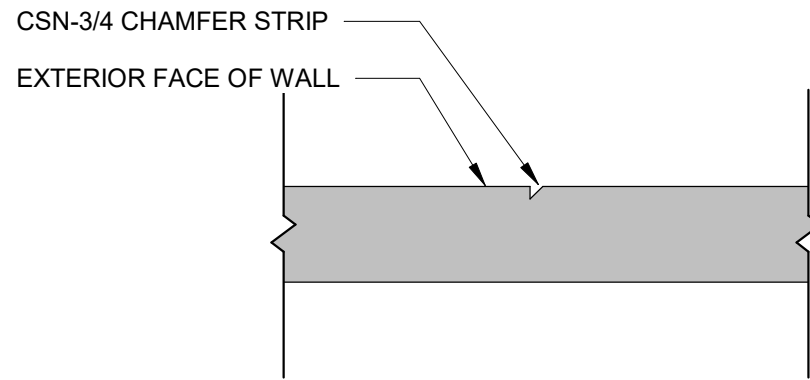
- ☐ PRELIMINARY
- ☐ BID SET
- ☐ DESIGN REVIEW CP,SM,TA 07/24/24
- ☐ CHECKSET DVR,EW,TA 08/01/24
- ☒ CONSTRUCTION

FOUNDATION SCHEDULES &
DETAILS

S2.0

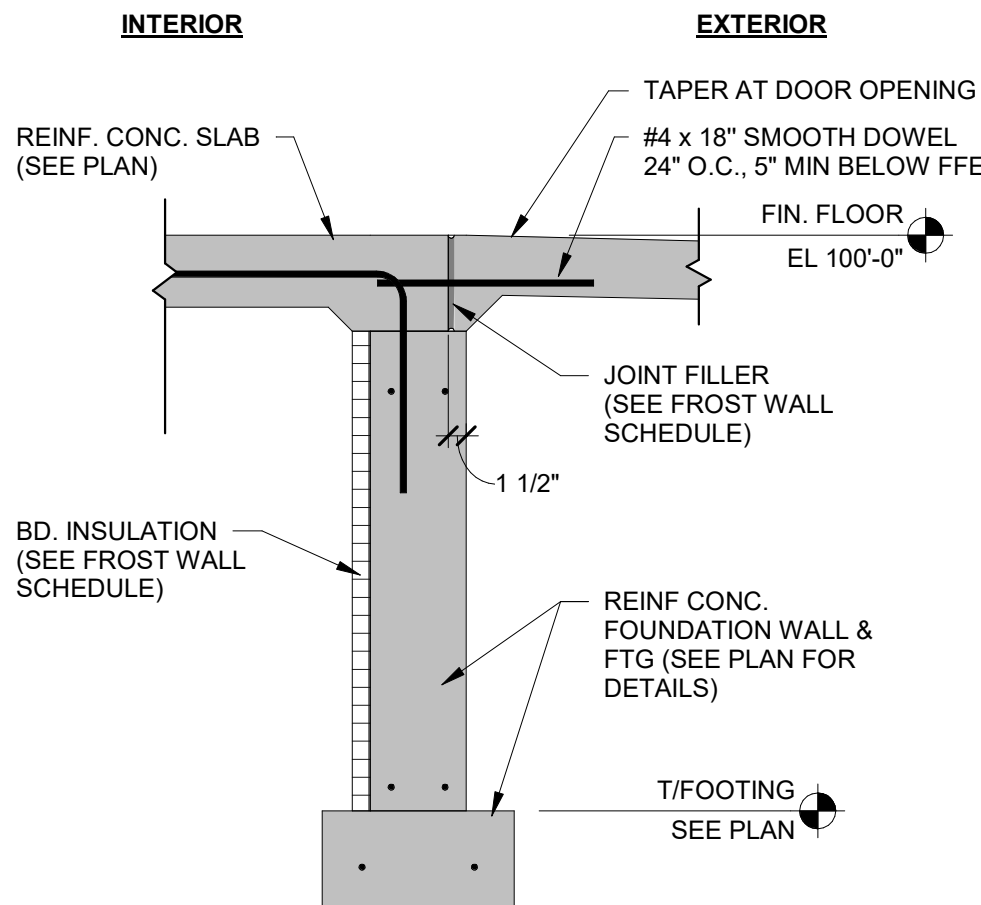


5 /S2.1 CORNER REINFORCEMENT SINGLE MATT N.T.S.

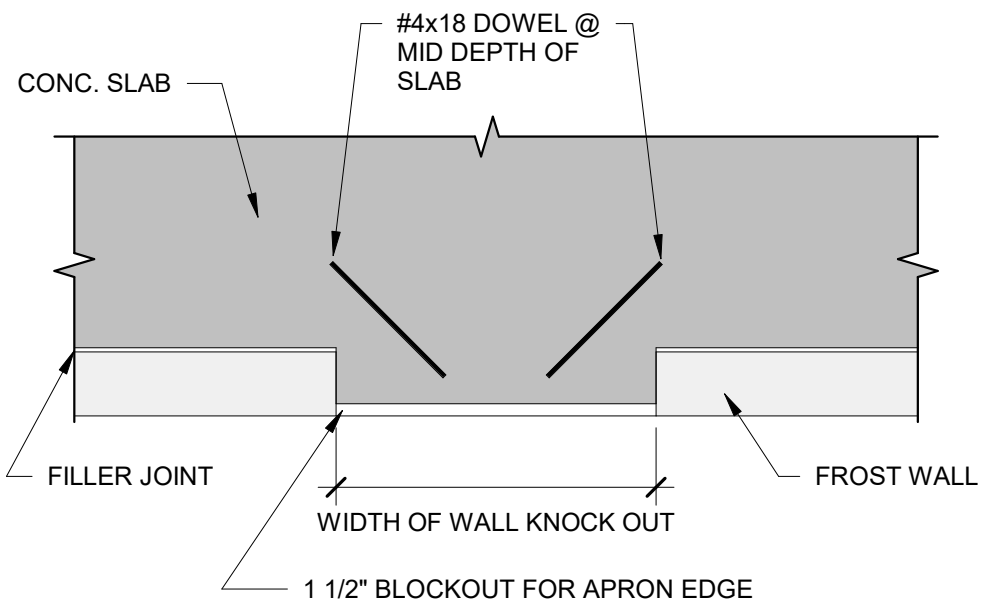


NOTE:
SEE PLAN FOR CJ-W LOCATIONS. UNLESS NOTED OTHERWISE PROVIDE WALL CONTROL JOINT (CJ-W) IN LINE WITH SLAB CONTROL JOINTS OR 60 LINEAL FEET MAX.

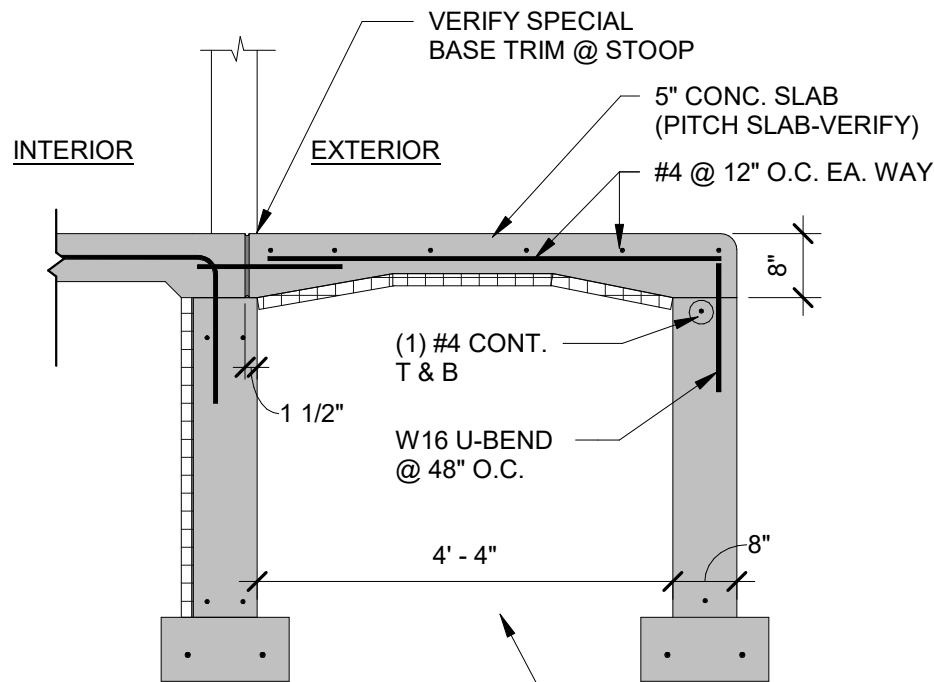
4 /S2.1 WALL CONTROL JOINT (CJ-W) N.T.S.



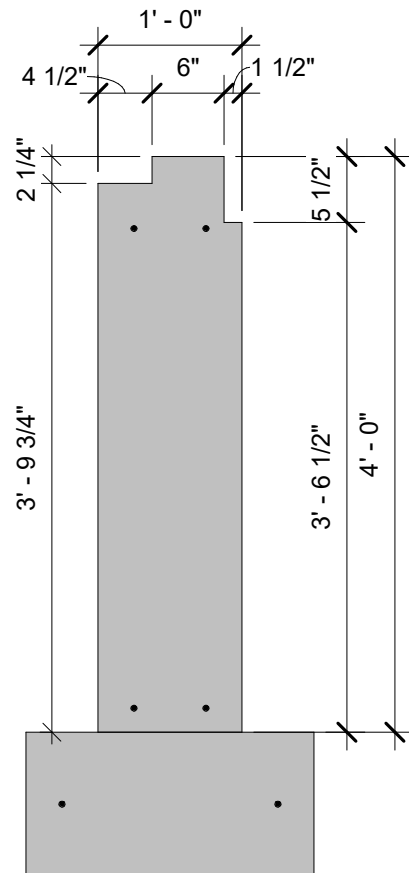
3 /S2.1 DOOR KNOCK-OUT DETAIL N.T.S.



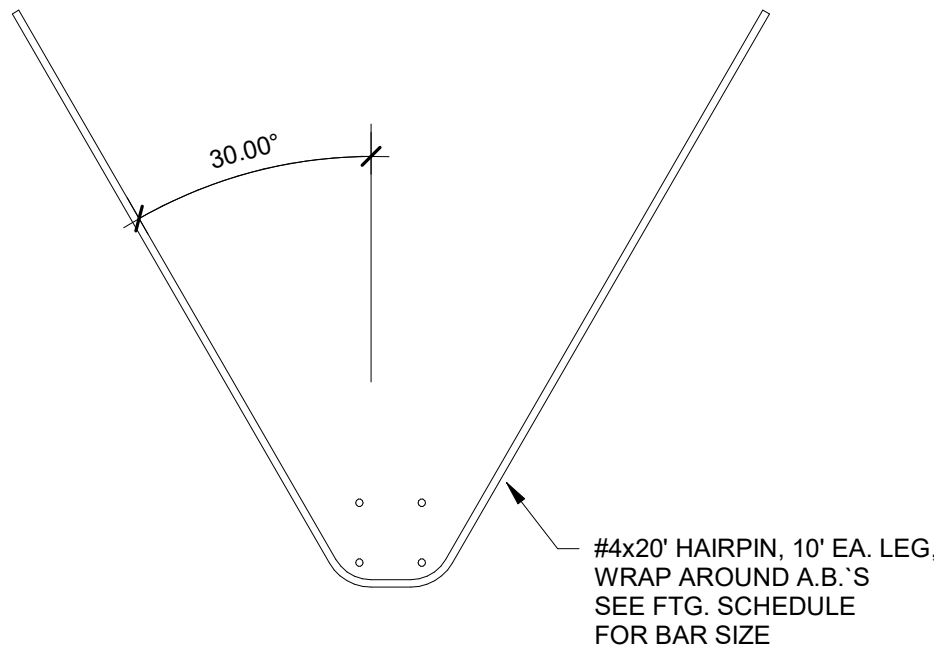
2 /S2.1 REBAR @ ALL DOOR OPENINGS N.T.S.



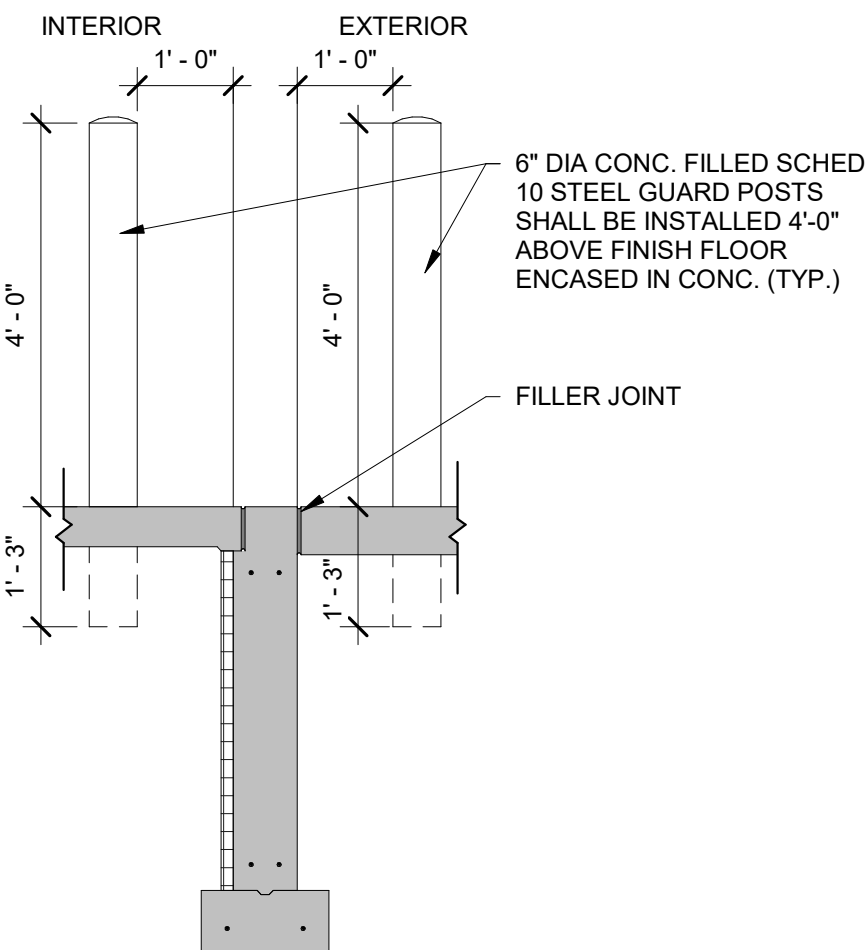
1 /S2.1 STOOP DIMENSIONS AT SERVICE DOORS N.T.S.



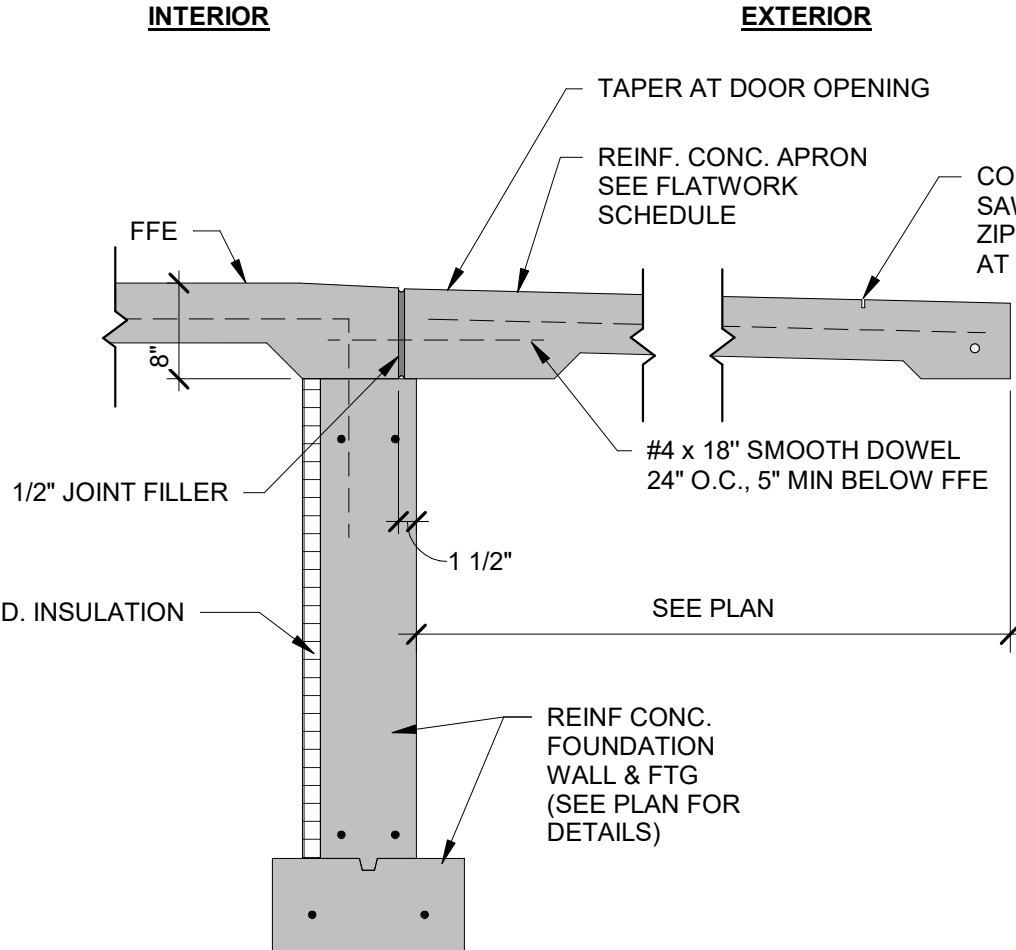
9 /S2.1 TYPICAL 12" FOUNDATION WALL 3/4" = 1'-0"



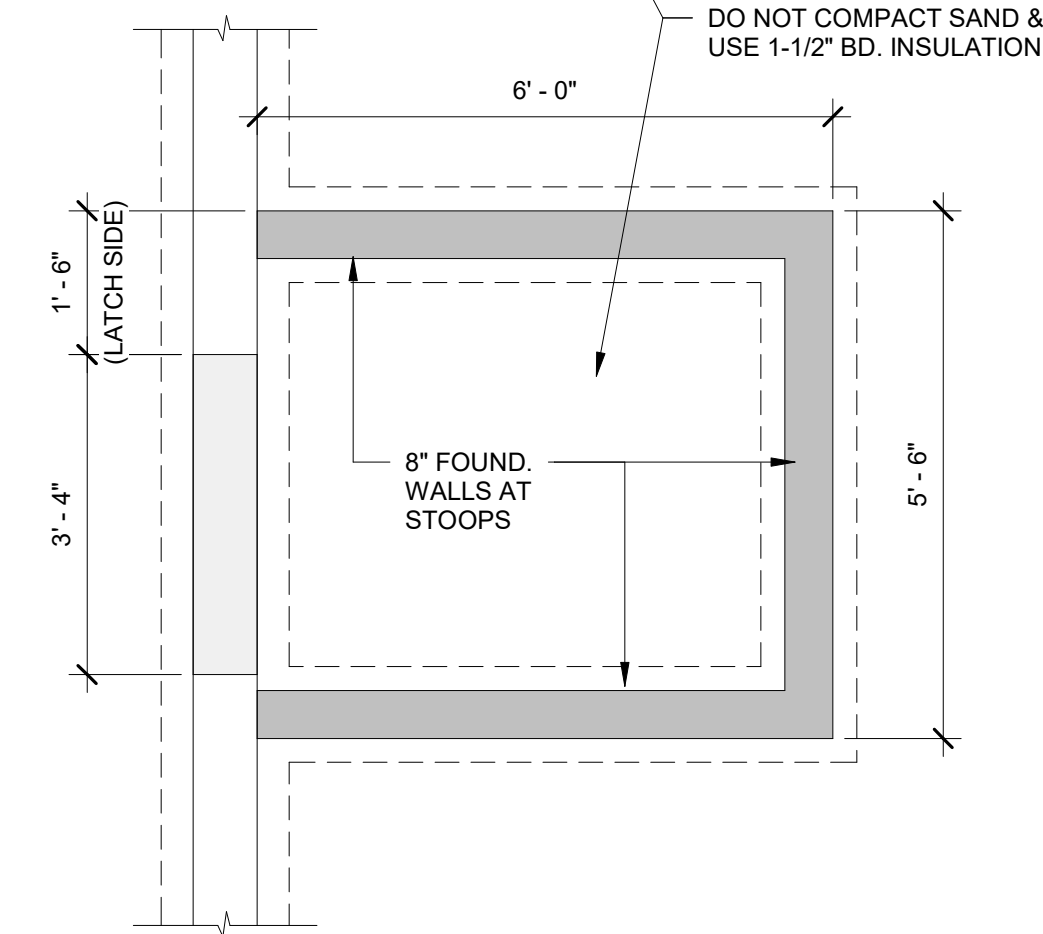
8 /S2.1 HAIRPIN-HP1 3/8" = 1'-0"



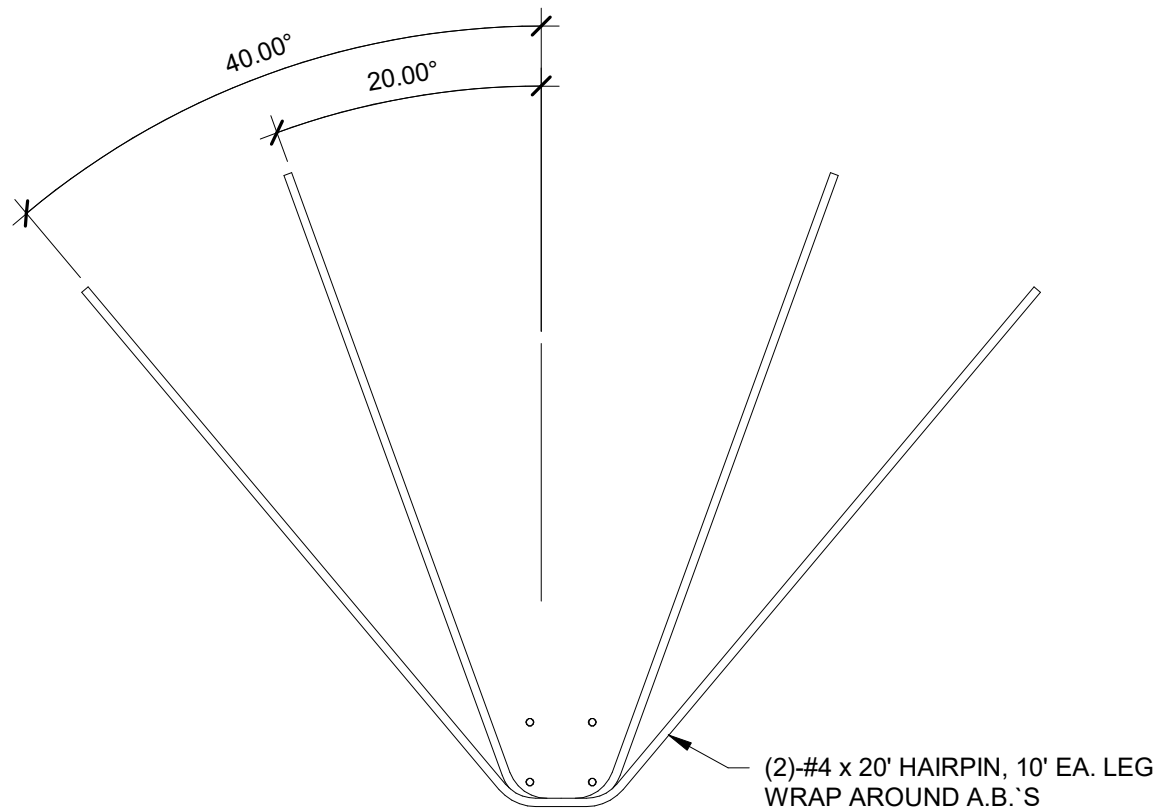
7 /S2.1 BOLLARD DETAIL 1/2" = 1'-0"



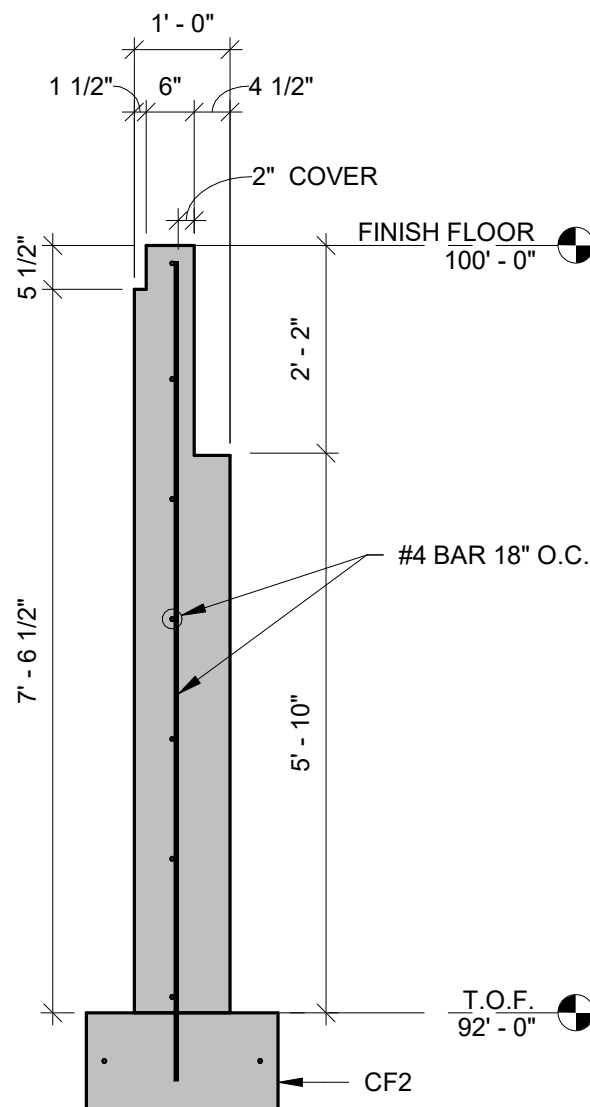
6 /S2.1 APRON DETAIL 3/4" = 1'-0"



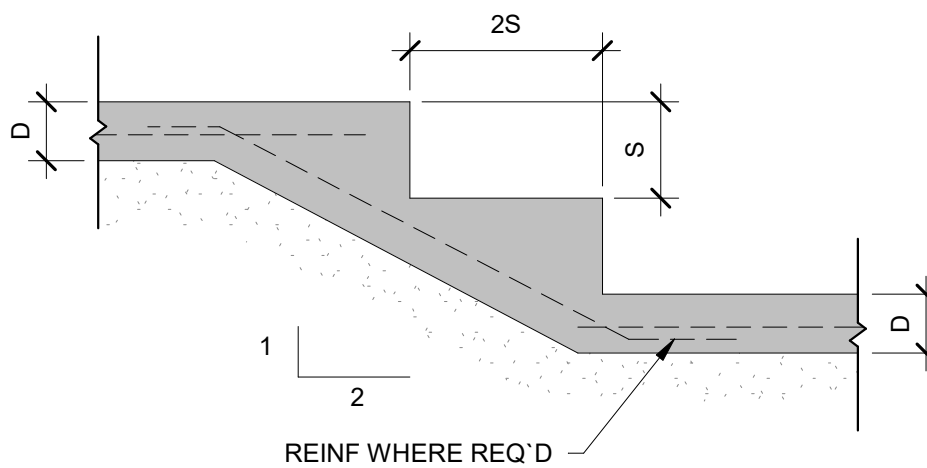
1 /S2.1 STOOP DIMENSIONS AT SERVICE DOORS N.T.S.



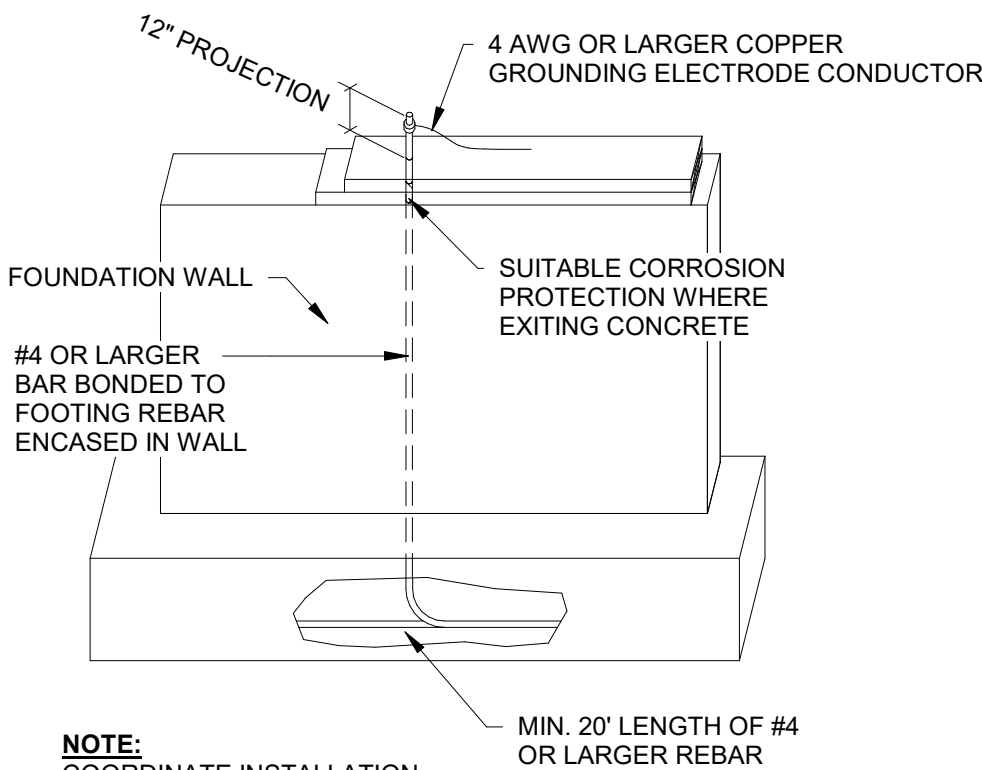
13 /S2.1 HAIRPIN-HP2 3/8" = 1'-0"



12 /S2.1 FOUNDATION WALL DETAIL 1/2" = 1'-0"



11 /S2.1 FOOTING STEP 1/2" = 1'-0"



10 /S2.1 CONCRETE ENCASED ELECTRODE FROST WALL 1" = 10'-0"

BAYLAND

BAYLAND BUILDINGS

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

DESIGN & BUILD GENERAL CONTRACTOR

PROPOSED BUILDING FOR:

BADGERLAND SUPPLY

DEPERE, WISCONSIN; COUNTY OF BROWN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL.
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
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ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION
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REPRESENTED, CAN LEGALLY RESULT IN THE CESSATION OF
CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY
COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 24-5804

PROJECT EXECUTIVE: TIM AMBROSIOUS
(920)371-0853

DRAWN BY: CRP

DATE: 9/6/24

REVISIONS:

ISSUED FOR: CHECKED BY: DATE:

<input type="checkbox"/>	PRELIMINARY		
<input type="checkbox"/>	BID SET		
<input type="checkbox"/>	DESIGN REVIEW	CP,SM,TA	07/24/24
<input type="checkbox"/>	CHECKSET	DVR,EW,TA	08/01/24
<input checked="" type="checkbox"/>	CONSTRUCTION		

FOUNDATION DETAILS

S2.1

TOTAL AREA = 3.96 ACRES, 172,533 S.F.
BUILDING AREA = 1.06 ACRES, 46,428 S.F. (27%)
SIDEWALK/PARKING LOT AREA = 2.12 ACRES, 92,216 S.F. (53%)
GREEN SPACE = 0.78 ACRES, 33,889 S.F. (20%)




BUSINESS PARK 2 (BP-2)

PARCEL NO.
WD-L176-1

PROPOSED
WAREHOUSE
16,217 SF

EXISTING
30,21

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/M
GRADE LEVEL CALCS	Σ	0.3 fc	2.2 fc	0.0 fc	N/A	N/A

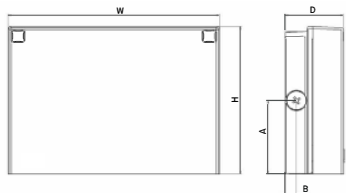
Schedule											
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	WP		7	Lithonia Lighting	WPX1 LED P2 30K Mvolt	WPX1 LED wallpack 3000lm 3000K color temperature 120-277 Volts	1	2749	0.95	23.26	



WPX LED Wall Packs



Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹	30K 3000K	MVOLT 120V - 277V	(blank) None
WPX1 LED P2	2,900 Lumens, 24W	40K 4000K	347 347V ¹	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²
WPX2 LED	6,000 Lumens, 47W	50K 5000K	E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	PE Photocell ³
WPX3 LED	9,200 Lumens, 69W			

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V or PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).

All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

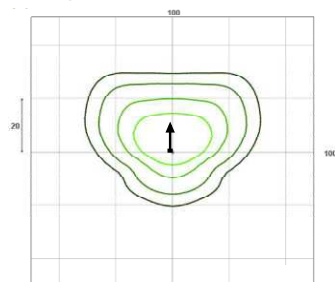
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](https://www.lithonia.com) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

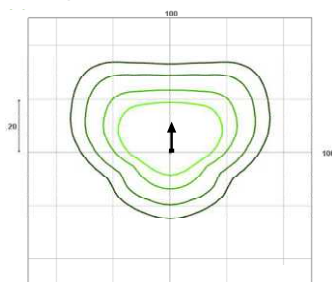
LEGEND

0.1 fc
0.2 fc
0.5 fc
1.0 fc

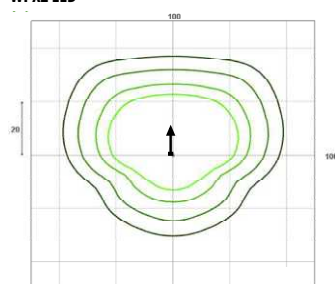
WPX1 LED P1



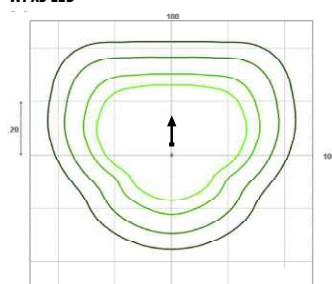
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.



