



Planning/Zoning Application

Planning & Zoning Department

Submitted On:

Mar 15, 2024, 05:19PM EDT

| | |
|---|--|
| Parcel Number: (Include ALL parcels) | WD-D0076 |
| Nearest property address to the project site: | Street Address: O Venture Avenue City: DePere State: W Zip: 54115 |
| Check each project type that is being applied for: | Site Plan |
| Current De Pere Zoning Districts: | I |
| Existing Site Land Uses: | Undeveloped/Vacant/Agricultural |
| 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: City of DePere Last Name: Contract for Purchase by Massman Corp |
| Is the property owner's address the same as the nearest property address? | No |
| Property Owner's Address: | Street Address: N/A City: Menasha State: W Zip: 54952 |
| Property Owner's Phone Number: | 9208107790 |
| Property Owner's Email Address: | jdavel@new.rr.com |
| Is someone processing the project for the property owner as their authorized representative? | Yes |
| Authorized Representative's Name: | First Name: John Last Name: Davel |
| Authorized Representative's Business Name: | DAVEL ENGINEERING & ENVIRONMENTAL INC |

| | | |
|---|---|---|
| Authorized Representative's Phone Number: | | 920-560-6563 |
| Authorized Representative's Email Address: | | john@davel.pro |
| Please attach a PDF copy of the site plan. | | 8047Planset 2024-03-14-signed.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 | First Name: John Last Name: Davel Email Address: john@davel.pro | |
| |  | |
| | | Signed at: March 15, 2024 5:18pm America/New_York |
| User's Session Information | | IP Address: 74.219.241.114 Referrer URL: |

CITY OF DE PERE

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



May 10, 2024

John Davel
Davel Engineering & Environmental INC
1164 Province Terrace
Menasha, WI 54952

RE: Site Plan Review for the New Massman Corporate INC at 2005 Venture AV
(Parcel WD-D0076)

Dear John:

Thank you for the revised site plan for the New Massman Corporate INC at 2005 Venture AV. The City of De Pere staff reviewed the site plan on May 10, 2024, and recommended approval, with the following condition that must be addressed prior to submitting a request for occupancy permits:

- Trees planted in the city terrace will need to be coordinated and marked by the City Forester. The City Forester will need to be on site when trees are planted to ensure correct procedures are followed. Contact the City Forester prior to installation to schedule dates/times to complete the tasks.
- 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.
- Provide updated plans that represent the final size and type of screening for the rooftop, wall, and ground mounted mechanical equipment and appurtenances. Provide confirmation that all are properly and completely screened per Zoning Ordinance 14-92(11).

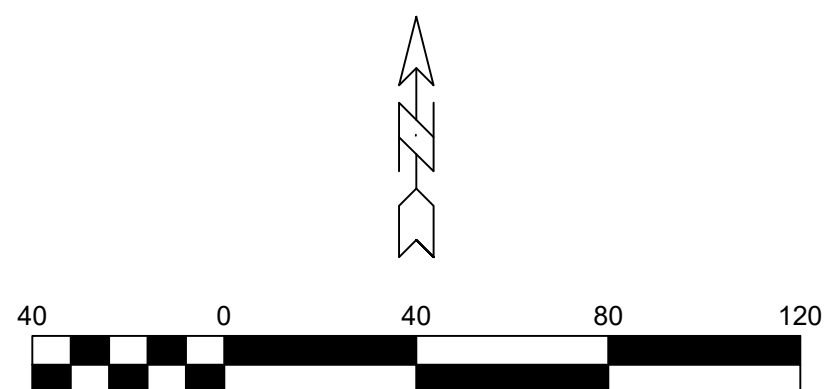
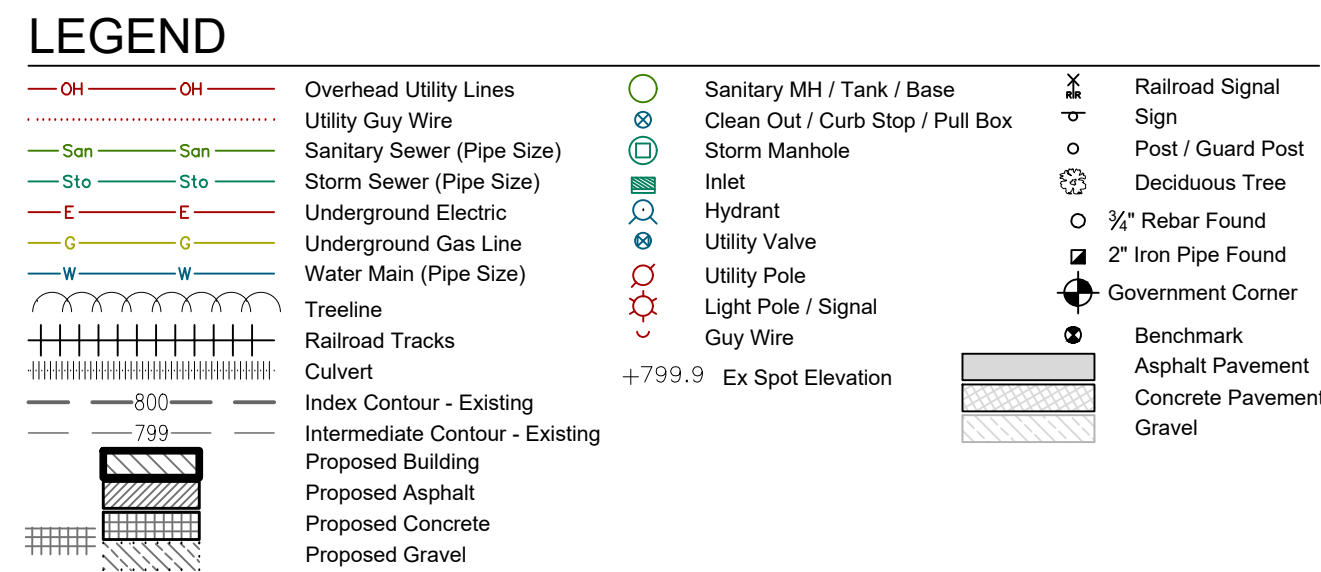
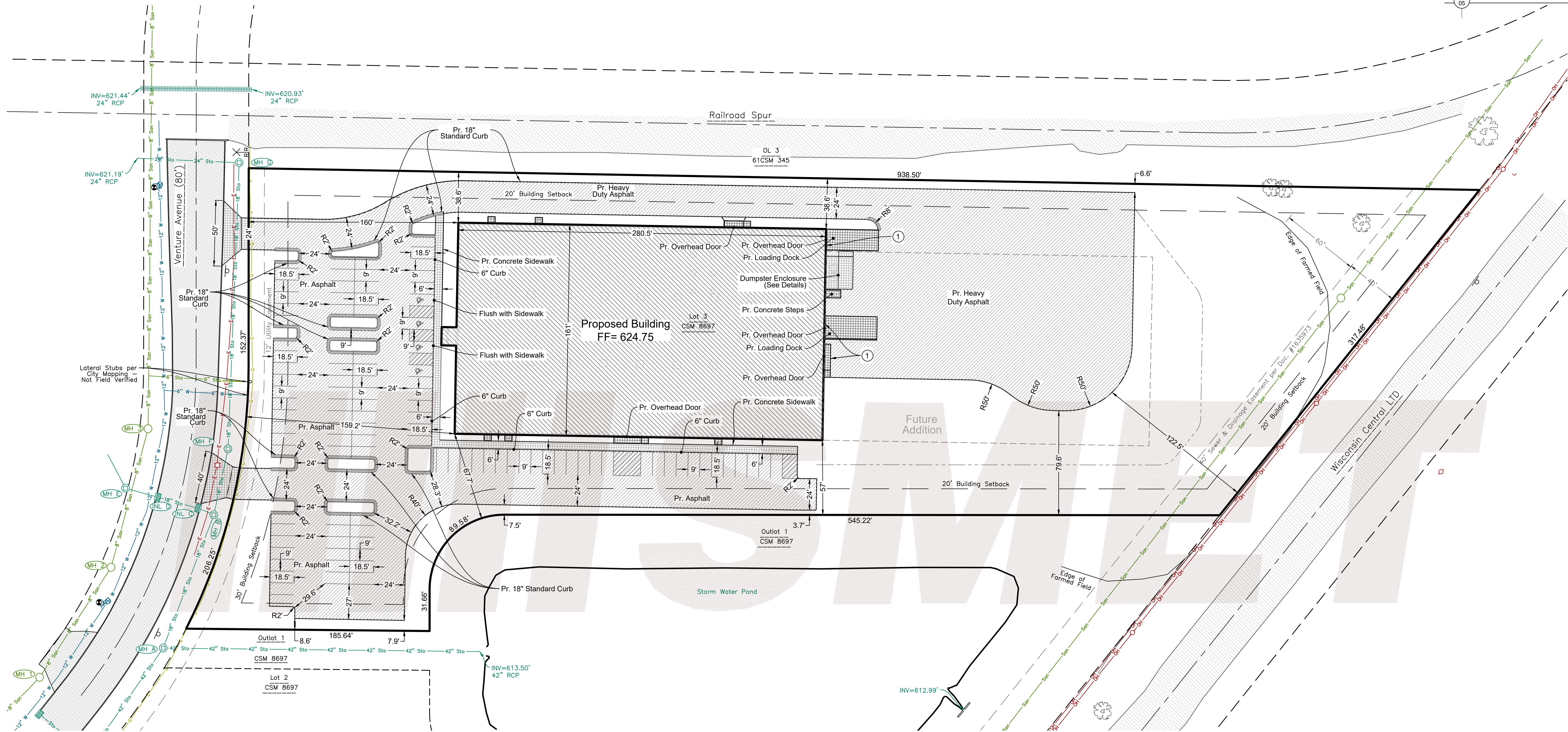
You may now proceed to the Inspection Division to begin the process of obtaining permits. Should you have any questions regarding the decision or require further information, feel free to contact me at 339-4043 or pschleinz@deperewi.gov.

Sincerely,

A handwritten signature in black ink that reads "Peter Schleinz". The signature is fluid and includes a long, sweeping horizontal line at the end.

Peter Schleinz
Senior Planner | Zoning Administrator

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



SITE INFORMATION:

Legal Description: Lot 3 of 61 CSM 349 BNG PRT of Lot 1 & PRT of NW1/4 SE1/4 SEC 32 T23N R20E
Parcel #: WD-D0076
Current Use: Vacant
Proposed Use: Industrial
Current Zoning: BP-2 = Business Park 2

Site Areas

Parcel Area: 231,717 SF (5.32 Acres)
Total Existing Impervious: 0 SF (0%)

Proposed Building Area: 45,319 SF
Proposed Pavement Area: 93,349 SF
Total Proposed Impervious: 138,668 SF (60%)
Total Proposed Greenspace: 93,049 SF (40%)

PARKING CALCULATIONS

Parking Stalls Proposed: 89
Handicapped Parking Stalls Proposed: 4
Parking Total = 93

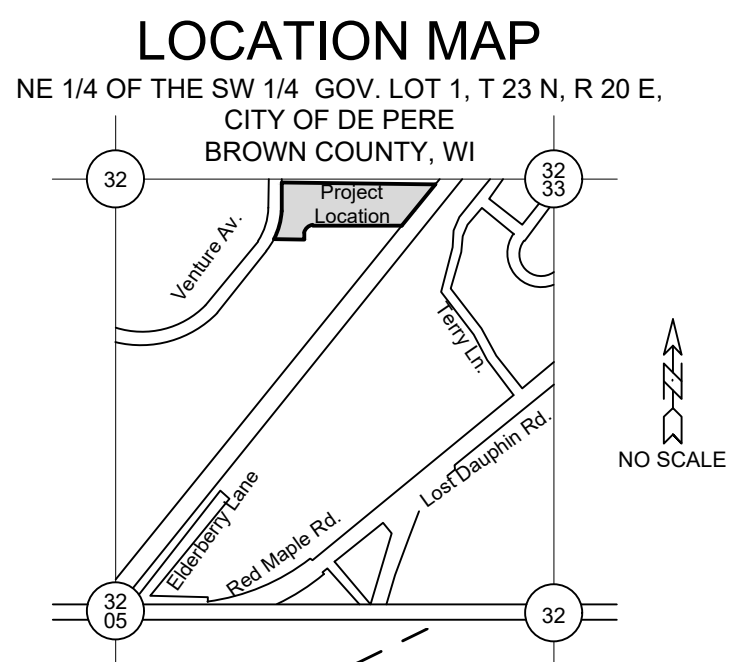
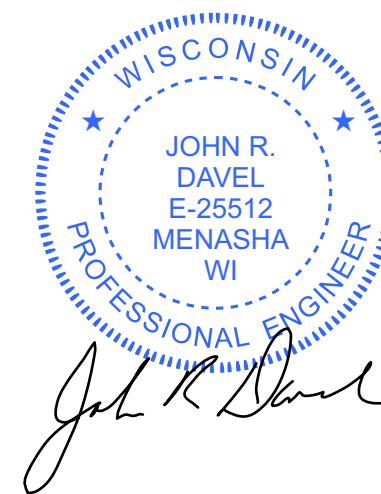
Required Parking:
Office = $\frac{45,319}{400} \text{ sf} = 113.3 \approx 22$
Shop / Warehouse = $\frac{93,349}{1,500} \text{ Employees} = 62.2 \approx 40$
Total Required = 62

PROPERTY OWNER:

SMET Properties, LLC
Scott Smet
1428 Fox River Drive
DePere, WI 54115

SHEET INDEX:

| Sheet | Page |
|------------------------------------|------|
| Site Plan | C1.0 |
| Topographic Survey | C1.1 |
| Drainage and Grading Plan | C1.2 |
| Erosion & Sediment Control Plan | C1.3 |
| Utility Plan | C1.4 |
| Construction Details | C2.1 |
| Erosion & Sediment Control Details | C2.2 |
| Landscape Plan | L1.0 |

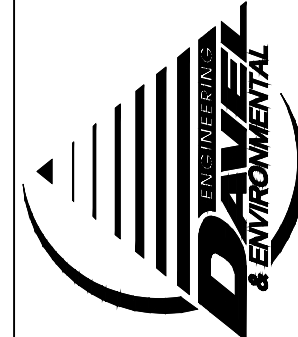


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REVISIONS

| NO. | DESCRIPTION | DATE |
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DAVEL ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davel.pro

PROJECT INFO:

MASSMAN CORPORATE INC.
2005 Venture Avenue

SITE PLAN

DRAWN BY:

Author

SALES:

SMET NO.:

22106

SHEET:

C1.0

ARCHT. NO.:

DATE: 03/14/2024

SCALE: 1" = 40'-0"



OUR REPUTATION IS BUILDING

CORPORATE OFFICE
1020 S. 3RD ST.
DEPERE, WI 54115
PHONE: (920) 532-3822
FAX: (920) 532-3823
EMAIL: SALES@SMET.COM

SMET CONSTRUCTION SERVICE CORP.
DESIGN. BUILD. FINANCE.

BENCHMARKS (NAVD88)

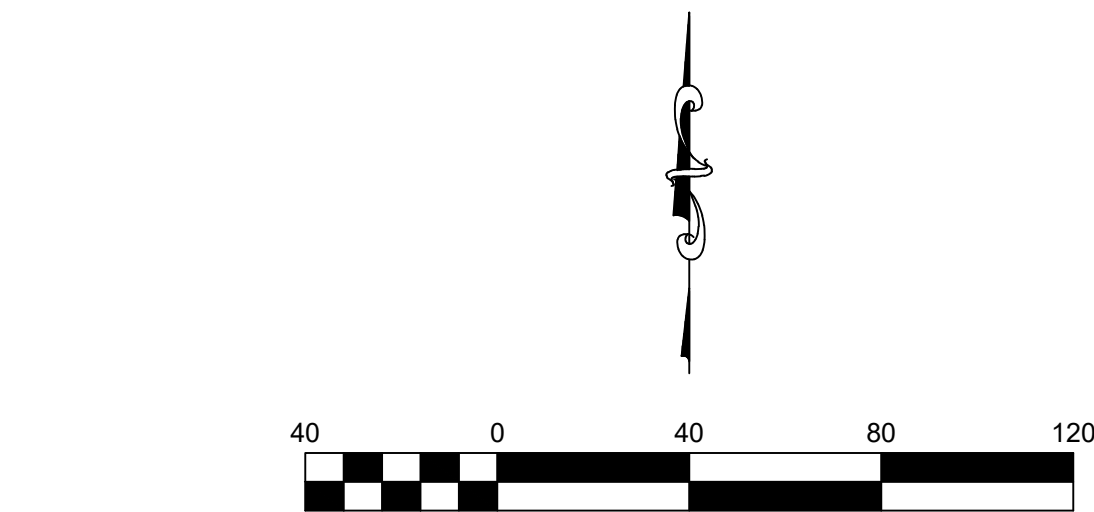
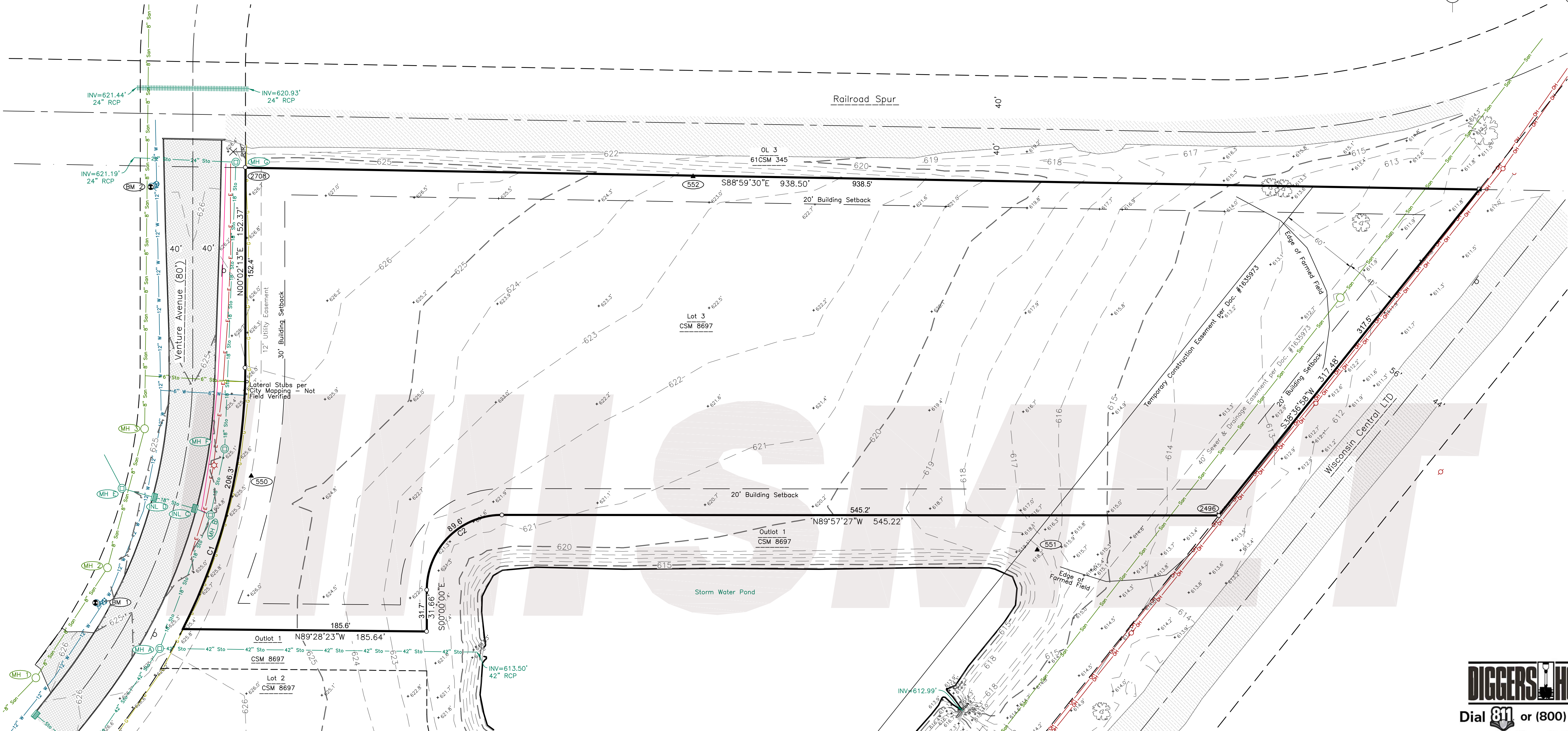
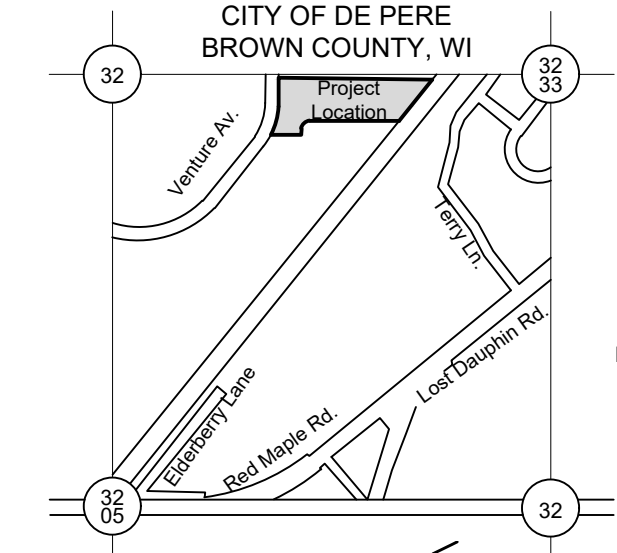
BM 0 NGS Benchmark
PID DL2641 and Designation - 4K85
Elev 631.96
















































































































BM 1 Fire Hydrant, Tag Bolt
W R/W Venture Avenue
Elev 627.90

BM 2 Fire Hydrant, Tag Bolt
W R/W Venture Avenue ±319' NE of BM 1
Elev 628.13

LOCATION MAP

NE 1/4 OF THE SW 1/4 GOV. LOT 1, T 23 N, R 20 E,
CITY OF DE PERE
BROWN COUNTY, WI



| LEGEND | | | | | |
|---|----------------------------|---|----------------------------------|---|--------------------|
|  | Overhead Utility Lines |  | Sanitary MH / Tank / Base |  | Railroad Signal |
|  | Utility Guy Wire |  | Clean Out / Curb Stop / Pull Box |  | Sign |
|  | Sanitary Sewer (Pipe Size) |  | Storm Manhole |  | Post / Guard Post |
|  | Storm Sewer (Pipe Size) |  | Inlet |  | Deciduous Tree |
|  | Underground Electric |  | Hydrant |  | 3/4" Rebar Found |
|  | Underground Gas Line |  | Utility Valve |  | 2" Iron Pipe Found |
|  | Water Main (Pipe Size) |  | Utility Pole |  | Government Corner |
|  | |  | Light Pole / Signal |  | |
|  | |  | Guy Wire |  | |
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General Notes:

- Zoning Information**
Parcel is Currently listed in "BP-2: Business Park 2"
City of De Pere
Setbacks:
Front/Street Side: 30 Feet
Interior Side: 20 Feet
Rear: 20 Feet
Height: No max. (35 Feet if within 100 feet of residential zoning district.)
Caveat: Building zones depicted are based on building setbacks in effect at the time of the survey and should not be relied upon without first obtaining written verification thereof from the city of De Pere and any other local agencies.
- Floodplain Information**
Subject site mapped per FIRM Map No. 55009C0261F with an effective date of August 18, 2009 Mapped as "Zone X": Area determined to be outside the 0.2% annual chance floodplain.
- Existing utilities shown are indicated in accordance with available records and field measurements. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response. The contractor shall be responsible for obtaining exact locations & elevations of all utilities, including sewer & water from the the property owners of the respective utilities. All utility the property owners shall be notified by the contractor 72 hours prior to excavation. Contact Digger's Hotline (1-800-242-8511) for exact utility locations.
- This is not a boundary survey.

| Horizontal Control | | | |
|---|-----------|----------|-------------|
| Venture Ave (Parcel WD-D0076): City of De Pere | | | |
| Thursday, December 28, 2023 | | | |
| Davel Engineering and Environmental | | | |
| Horizontal Control (per Brown County Coordinate System) | | | |
| Point Number | Northing | Easting | Description |
| 2496 | 533696.05 | 79514.88 | RB6 |
| 550 | 533726.03 | 78778.97 | CPT HUB |
| 551 | 533669.87 | 79376.71 | CPT HUB |
| 552 | 533953.96 | 79115.01 | CPT HUB |
| 2708 | 533961.08 | 78774.47 | RB6 |

| SANITARY STRUCTURES | | | | | | |
|---------------------|---|--------|--------|------|----------|-----------|
| Structure | # | Rim | Inv | Size | Material | Direction |
| MH | 1 | 627.00 | 610.90 | 8" | PVC | NE |
| | | | 610.90 | 8" | PVC | SW |
| MH | 2 | 625.46 | 610.54 | 8" | PVC | NE |
| | | | 610.54 | 8" | PVC | SW |
| MH | 3 | 625.40 | 610.18 | 8" | PVC | N |
| | | | 610.17 | 8" | PVC | SW |
| MH | 4 | 627.02 | 613.52 | 6" | PVC | NE |
| | | | 608.81 | 8" | PVC | NE |
| | | | 608.81 | 8" | PVC | SW |

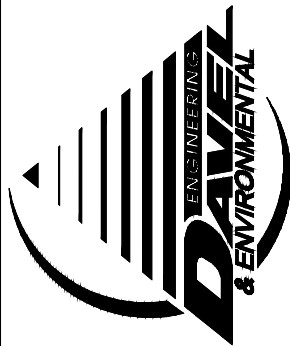
| STORM STRUCTURES | | | | | | |
|------------------|---|--------|--------|------|----------|-----------|
| Structure | # | Rim | Inv | Size | Material | Direction |
| MH | A | 625.88 | 616.05 | 18" | RCP | NE |
| | | | 614.38 | 42" | RCP | SW |
| | | | 614.34 | 42" | RCP | E |
| MH | B | 625.03 | 618.27 | 18" | RCP | NE |
| | | | 618.25 | 18" | RCP | SW |
| | | | 618.73 | 18" | RCP | W |
| INL | C | 623.97 | 619.26 | 18" | RCP | E |
| | | | 619.29 | 18" | RCP | W |
| INL | D | 624.05 | 619.42 | 18" | RCP | E |
| | | | 619.45 | 18" | HDPE | W |
| MH | E | 625.63 | 619.43 | 18" | HDPE | NW |
| | | | 619.41 | 18" | HDPE | SE |
| MH | F | 625.30 | 619.30 | 18" | RCP | N |
| | | | 619.27 | 18" | RCP | S |
| MH | G | 626.98 | 620.89 | 18" | RCP | S |
| | | | 620.91 | 24" | RCP | W |

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REVISIONS

| NO. | DESCRIPTION | DATE |
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Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davel.pro

PROJECT INFO:

MASSMAN
CORPORATE INC.
2005 Venture Avenue

TOPOGRAPHIC
SURVEY

DRAWN BY:

Author

SALES:

SMET NO.:

22106

SHEET:

C1.1

DATE: 03/14/2024

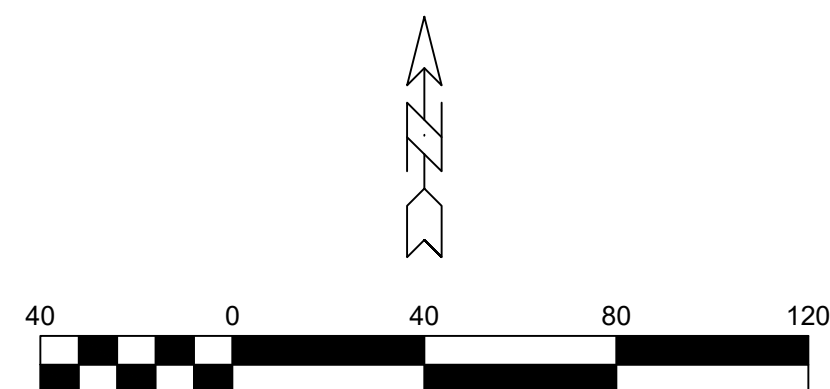
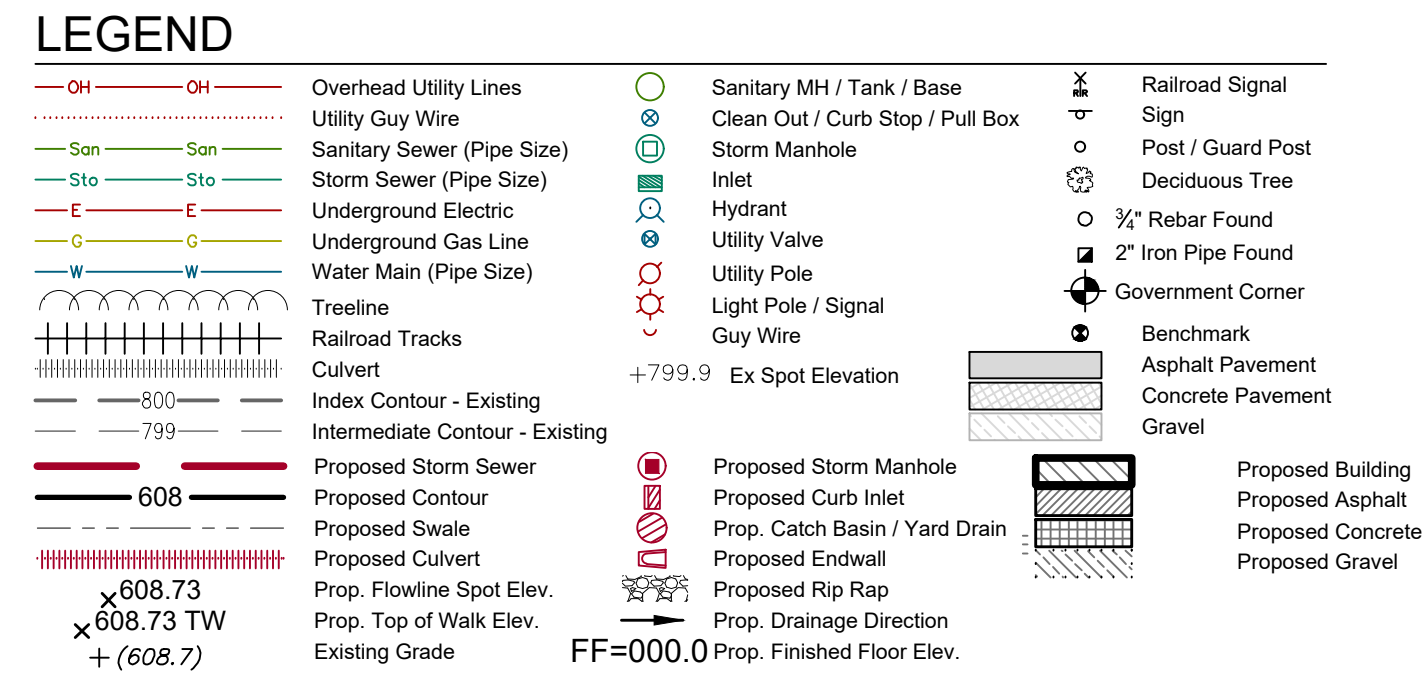
SCALE: 1" = 40'-0"



OUR REPUTATION IS BUILDING

CORPORATE OFFICE
1020 S. 3RD ST.
DE PERE, WI 54105
PHONE: (920) 552-3621
FAX: (920) 552-3622
WWW.DIGGERSHOTLINE.COM

SMET CONSTRUCTION SERVICE CORP.
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- NOTES:**
- Existing utilities shown are indicated in accordance with available records and field measurements. The contractor shall be responsible for obtaining exact locations & elevations of all utilities, including sewer and water from the owners of the respective utilities. All utility owners shall be notified by the contractor 72 hours prior to excavation. Contact Digger's Hotline (1-800-242-8511) for exact utility locations.
 - The Contractor shall verify all staking and layout layed against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.
 - The contractor shall minimize the area disturbed by construction as the project is constructed. Disturbed areas shall be seeded as soon as final grade is established. Contractor shall replace topsoil then and then seed, fertilize and mulch all lawn areas within 1 week of topsoil placement.
 - Contractor shall remove all excess materials from the site. Earthwork contractors shall verify topsoil depth.
 - All sediment and erosion control devices and methods shall be in accordance with the Wisconsin DNR Technical Standards.
 - The contractor shall make weekly inspections and inspections within 1 day of any rainfall exceeding 0.5 inches of the sediment and erosion control devices throughout construction. The contractor shall repair or maintain erosion control devices as necessary. The inspection reports shall be made available to the owner at the end of the construction or upon demand during construction.
 - Parking lot striping shall be 4" painted safety yellow.

5/7/2024 4:30 PM J:\Projects\8047onp\dwg\Civil 3D\8047Engr.dwg Printed by: john



OUR REPUTATION IS BUILDING

CORPORATE OFFICE
1080 PROFIT PLACE
PHONE: (920) 532 3828
EMAIL: BUILD@SMET.COM

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REVISIONS



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Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davel.com

PROJECT INFO:

**MASSMAN
CORPORATE INC.**
2005 Venture Avenue

DRAINAGE & GRADING PLAN

DRAWN BY
Author

SMET NO.:
22106

ARCHT. NO

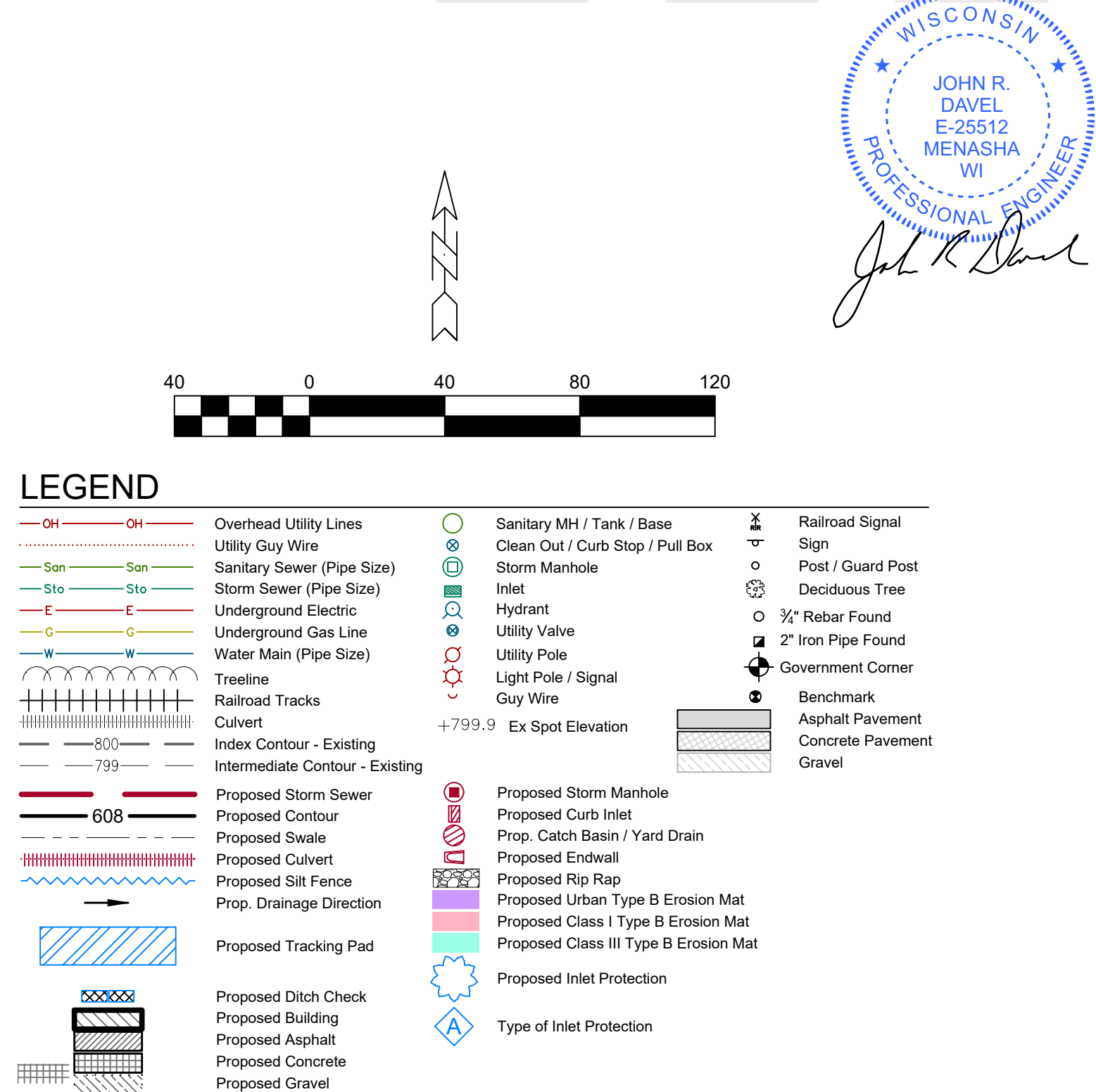
SALES:

SHEET:

C1.2

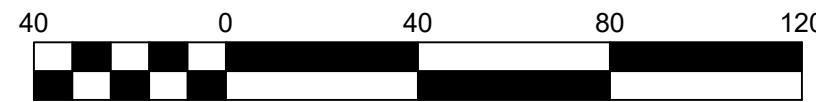
DATE: 03/14/2024

SCALE: 1" = 40'-0"



Responsible Parties
Best Management Practices (BMPs) Construction and Maintenance:
 The Owner's Contractor, yet to be determined.
Inspection and Compliance Enforcement
 City of De Pere
 Wisconsin Department of Natural Resources.

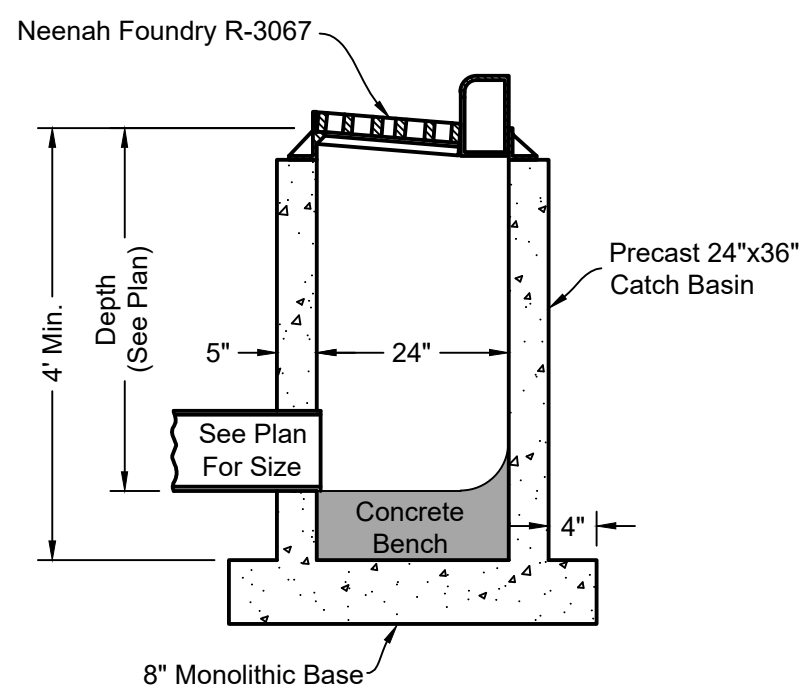
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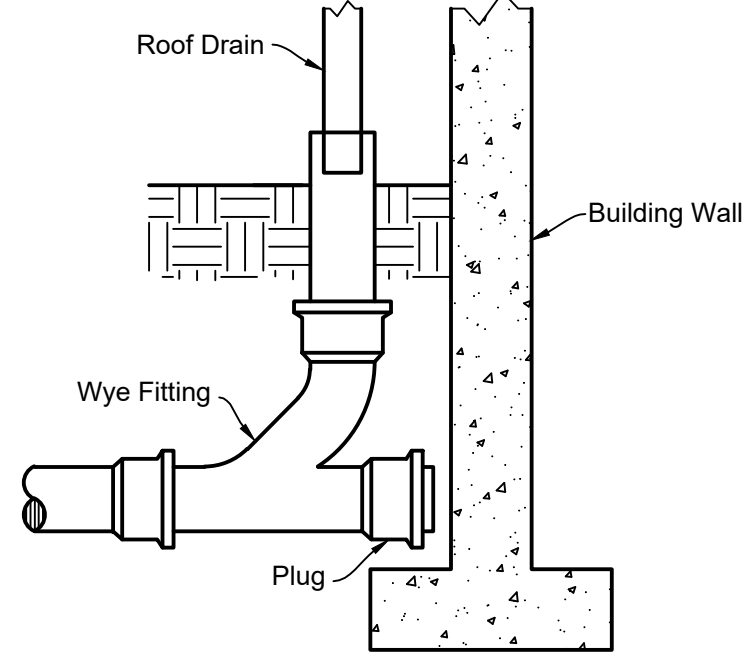
| STORM SEWER STRUCTURE SUMMARY | | | | | | |
|-------------------------------|---------------|--------|----------|--------------------|--------|-------|
| Structure | Type | Size | Cover | Final Grade Rim | Invert | Depth |
| R-1. | Endwall | | | | | |
| R-2. | MH (48) | 48" ID | R-1710 | 624.30 | 613.00 | 9.00 |
| R-3. | MH (48) Inlet | 48" ID | R-344B-C | 623.10 | 614.02 | 9.08 |
| R-4. | MH (48) Inlet | 48" ID | R-344B-C | 623.07 | 614.43 | 8.64 |
| R-5. | MH (48) Inlet | 48" ID | R-344B-C | 623.39 | 614.68 | 8.71 |
| R-6. | MH (48) Inlet | 48" ID | R-344B-C | 620.31 | 616.18 | 8.13 |
| R-9. | MH (48) | 48" ID | R-1710 | 623.81 | 614.61 | 9.20 |
| R-10. | Endwall | | | | 613.00 | |
| R-11. | Endwall | | | | 613.99 | |

The water meter size is anticipated to be 1 inch

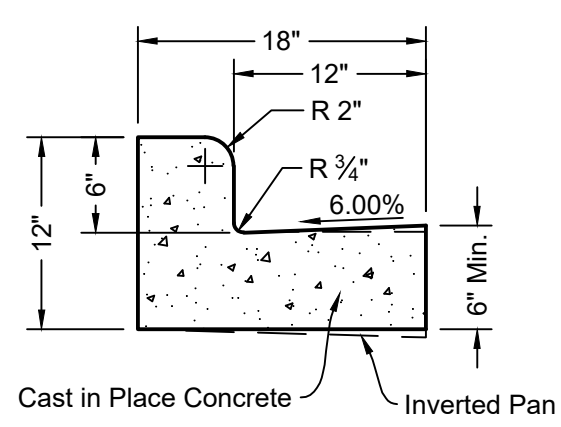
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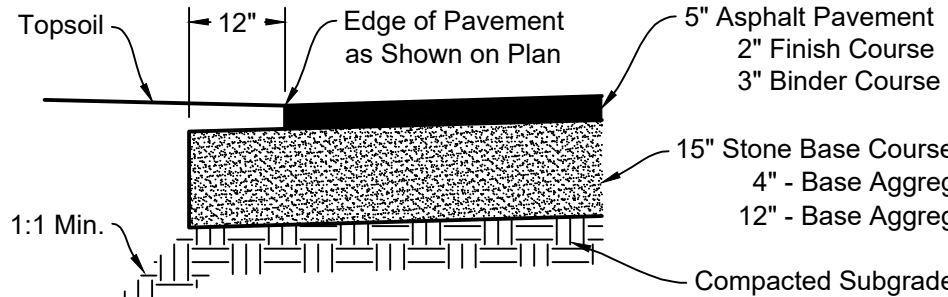
CURB INLET DETAIL



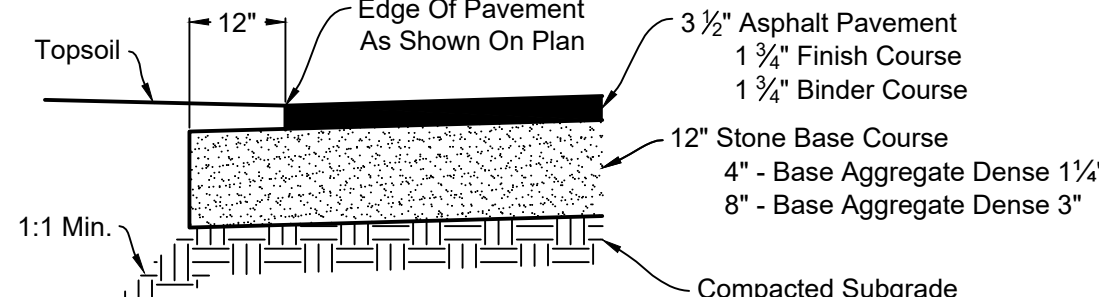
ROOF DRAIN CONNECTION TO STORM SEWER



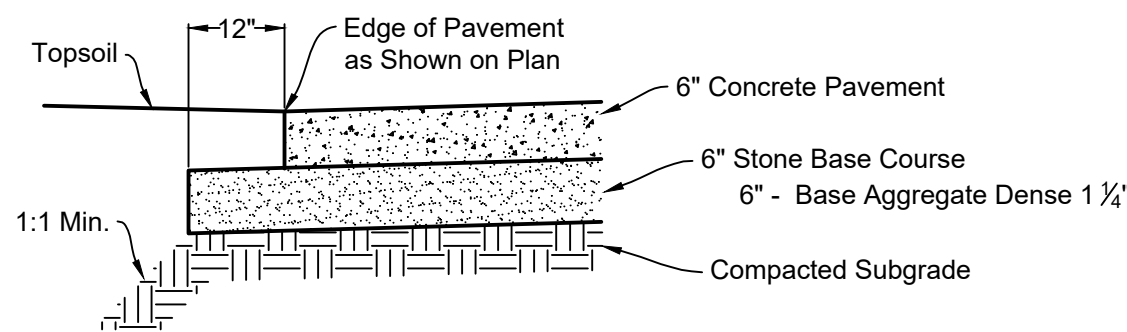
18" STANDARD CURB



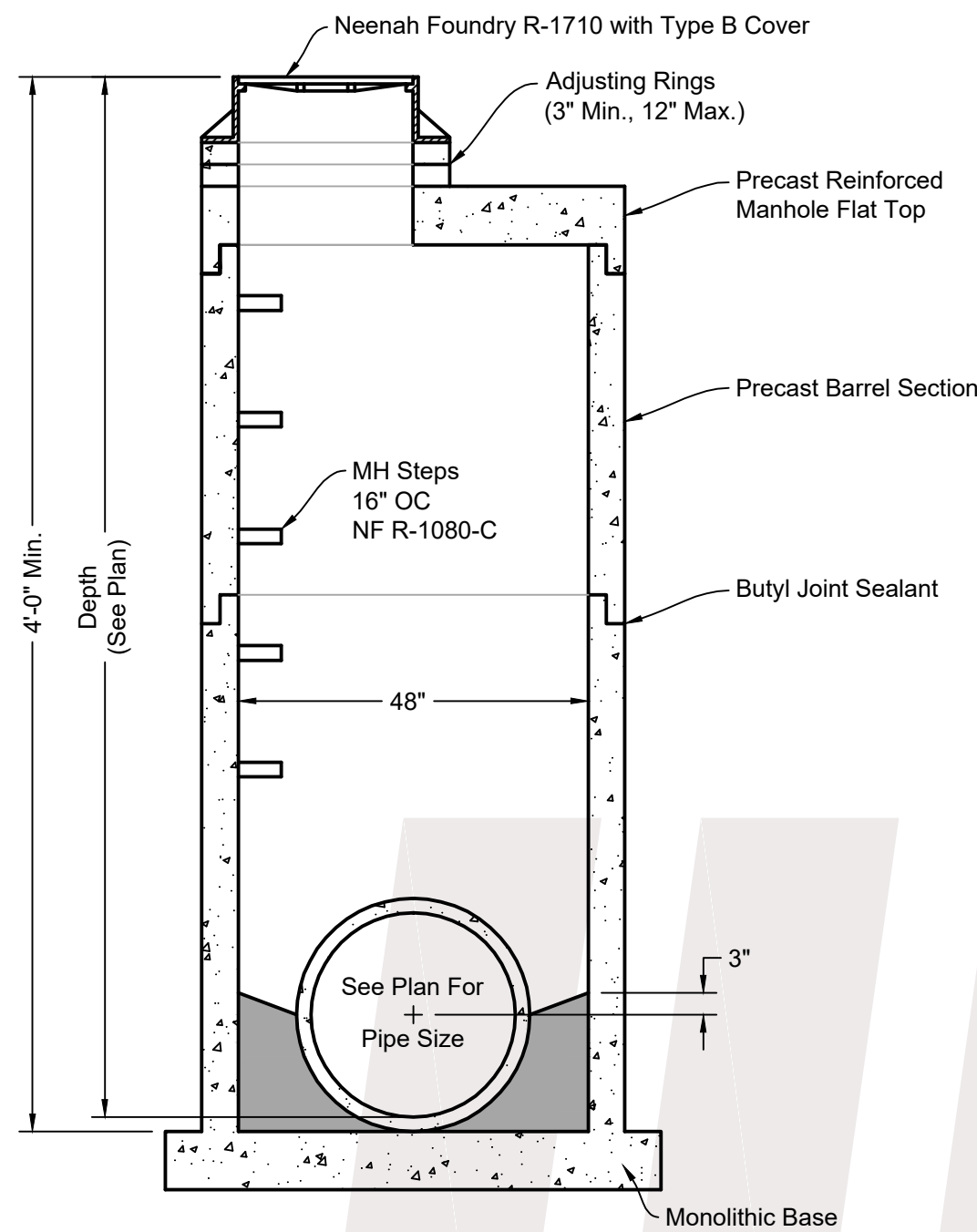
HEAVY DUTY PAVEMENT SECTION



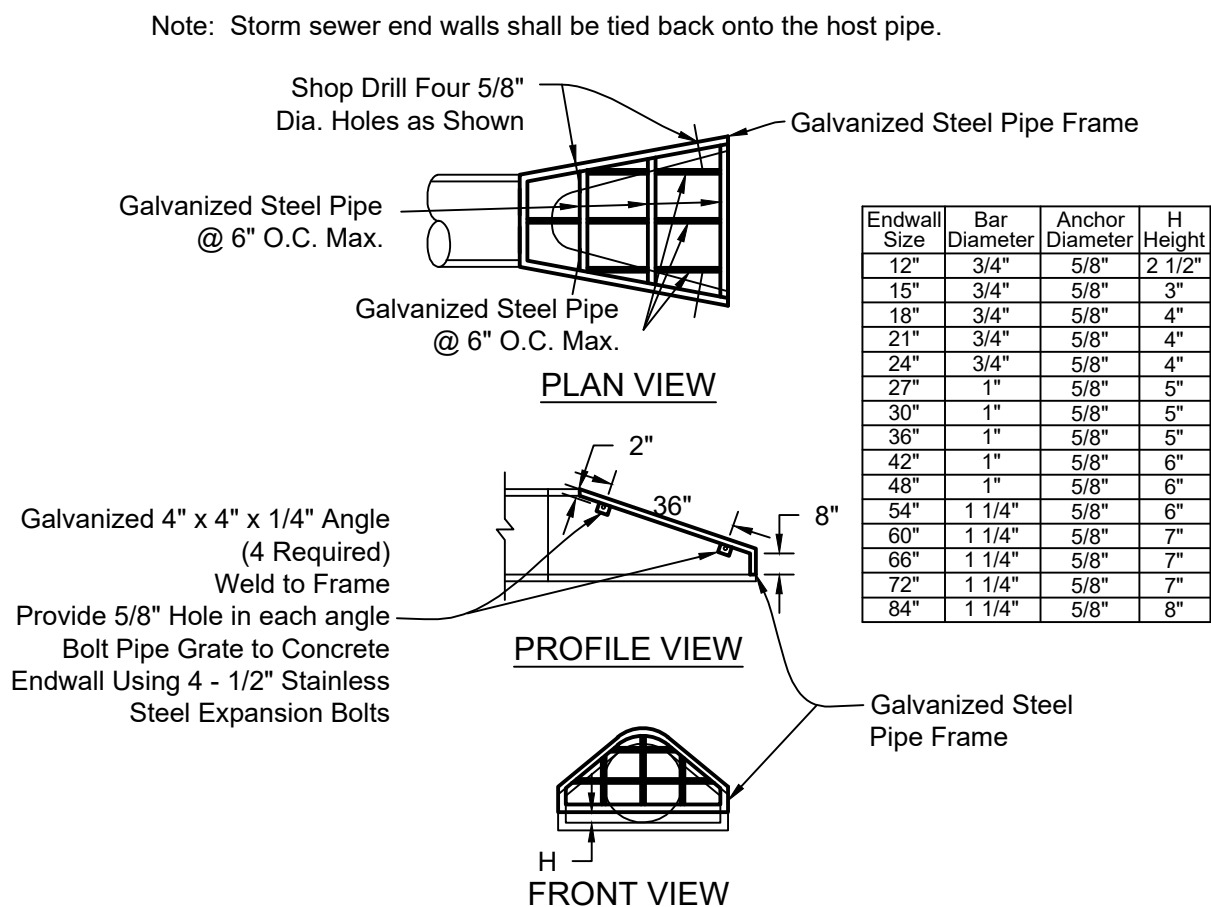
ASPHALT PAVEMENT SECTION



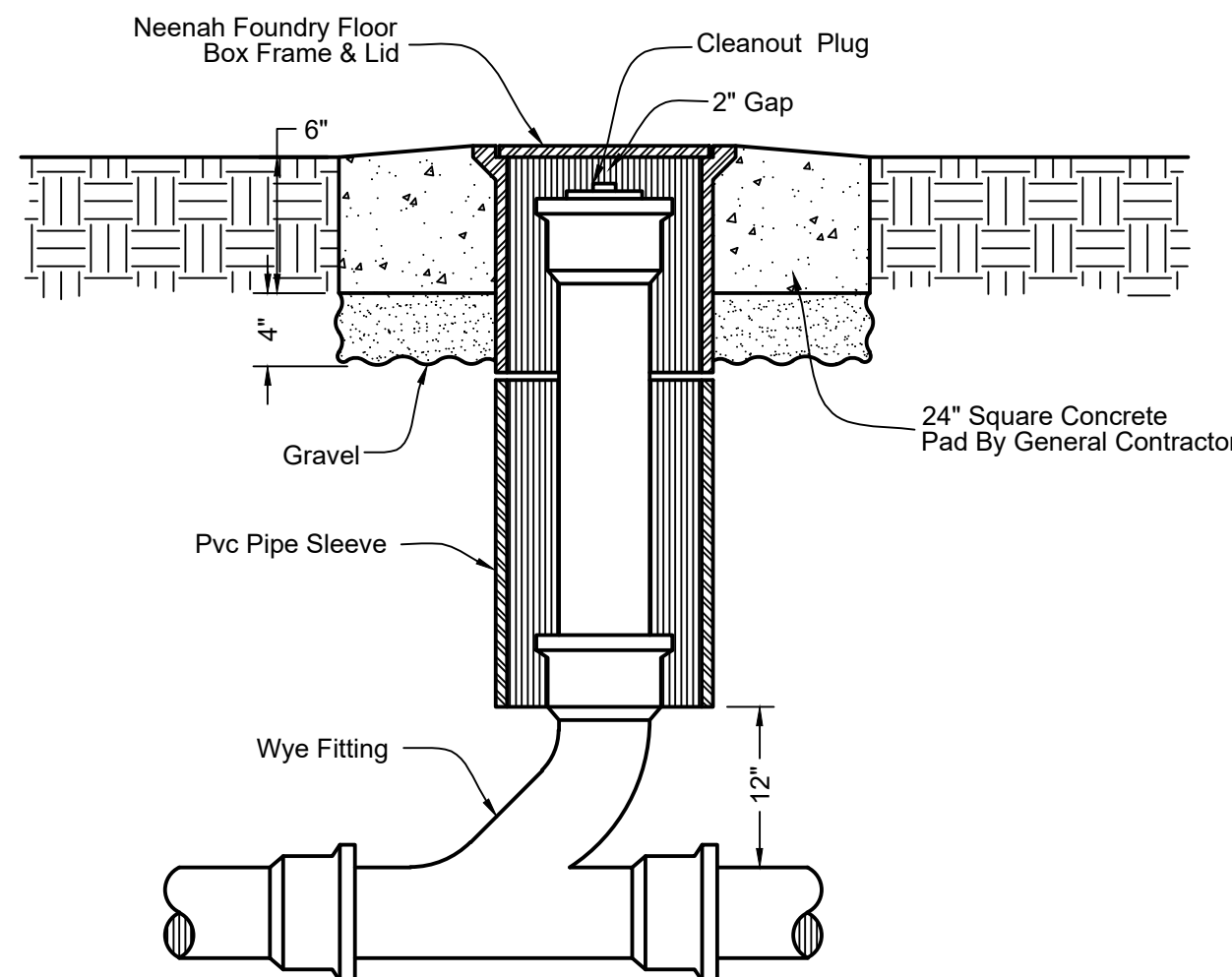
CONCRETE PAVEMENT SECTION



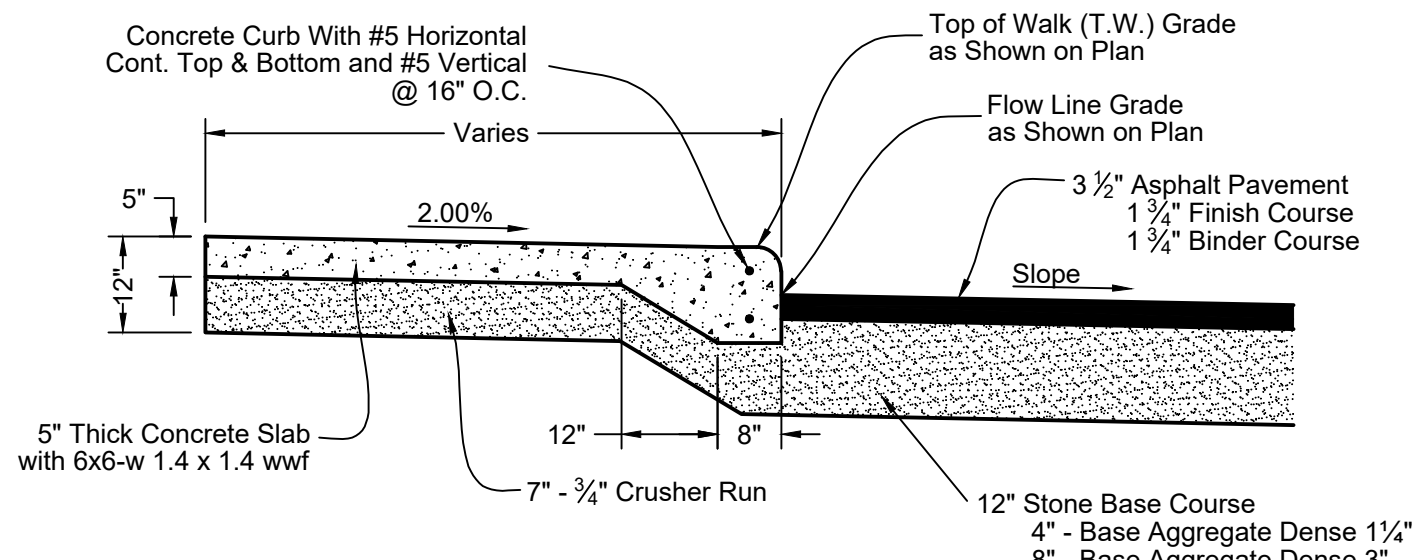
STANDARD STORM MANHOLE



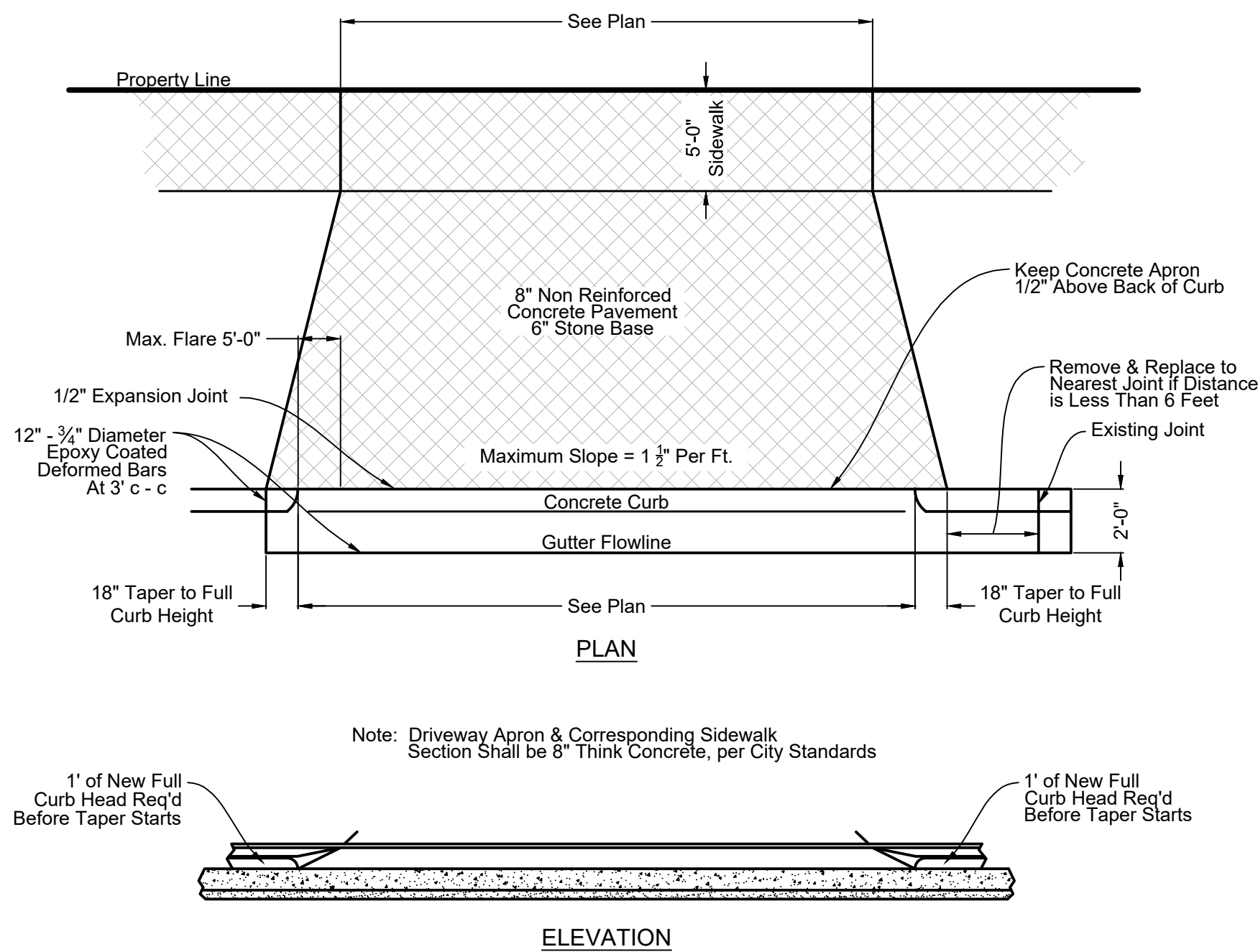
ENDWALL PIPE GRATE



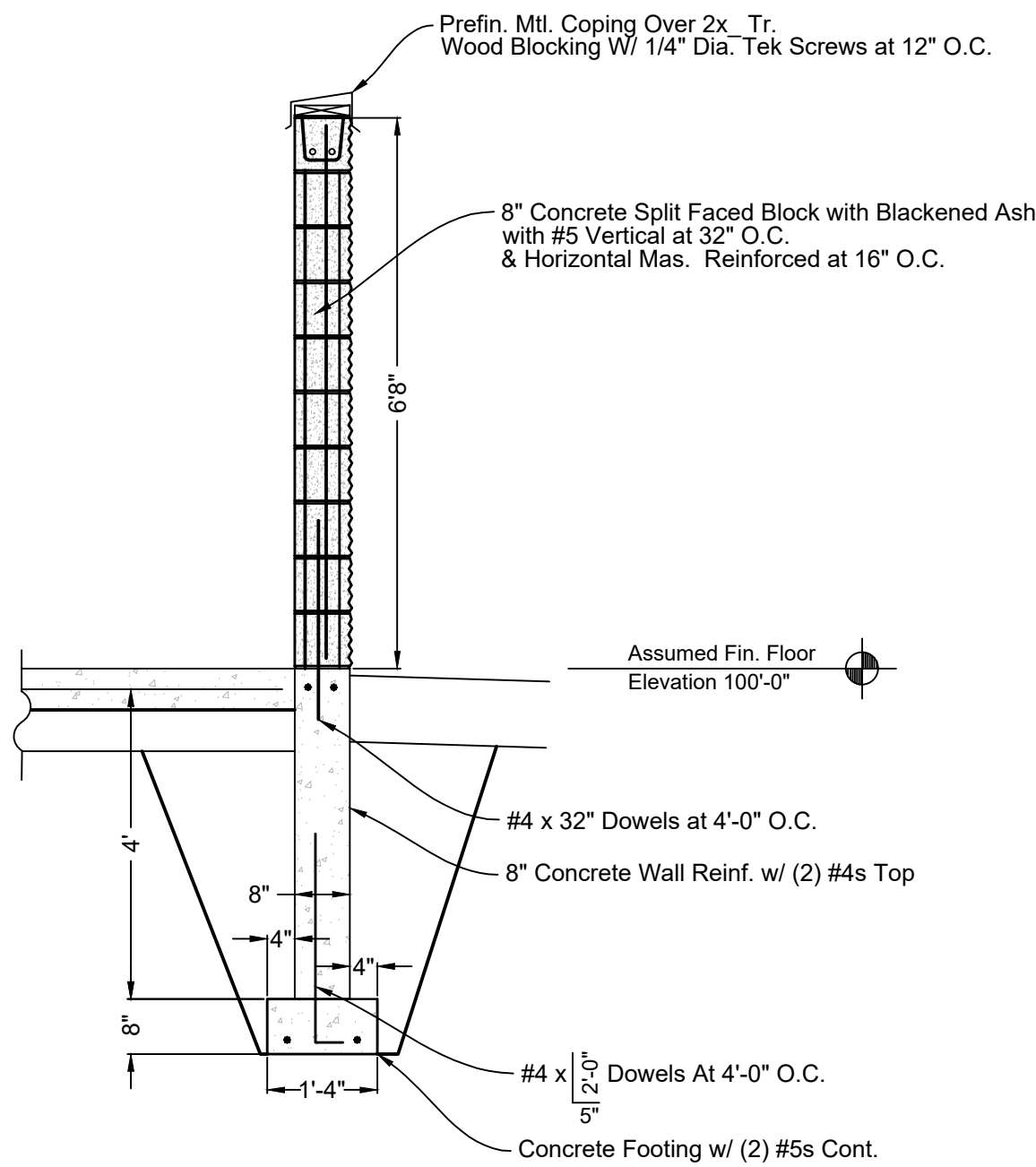
OUTDOOR CLEANOUT



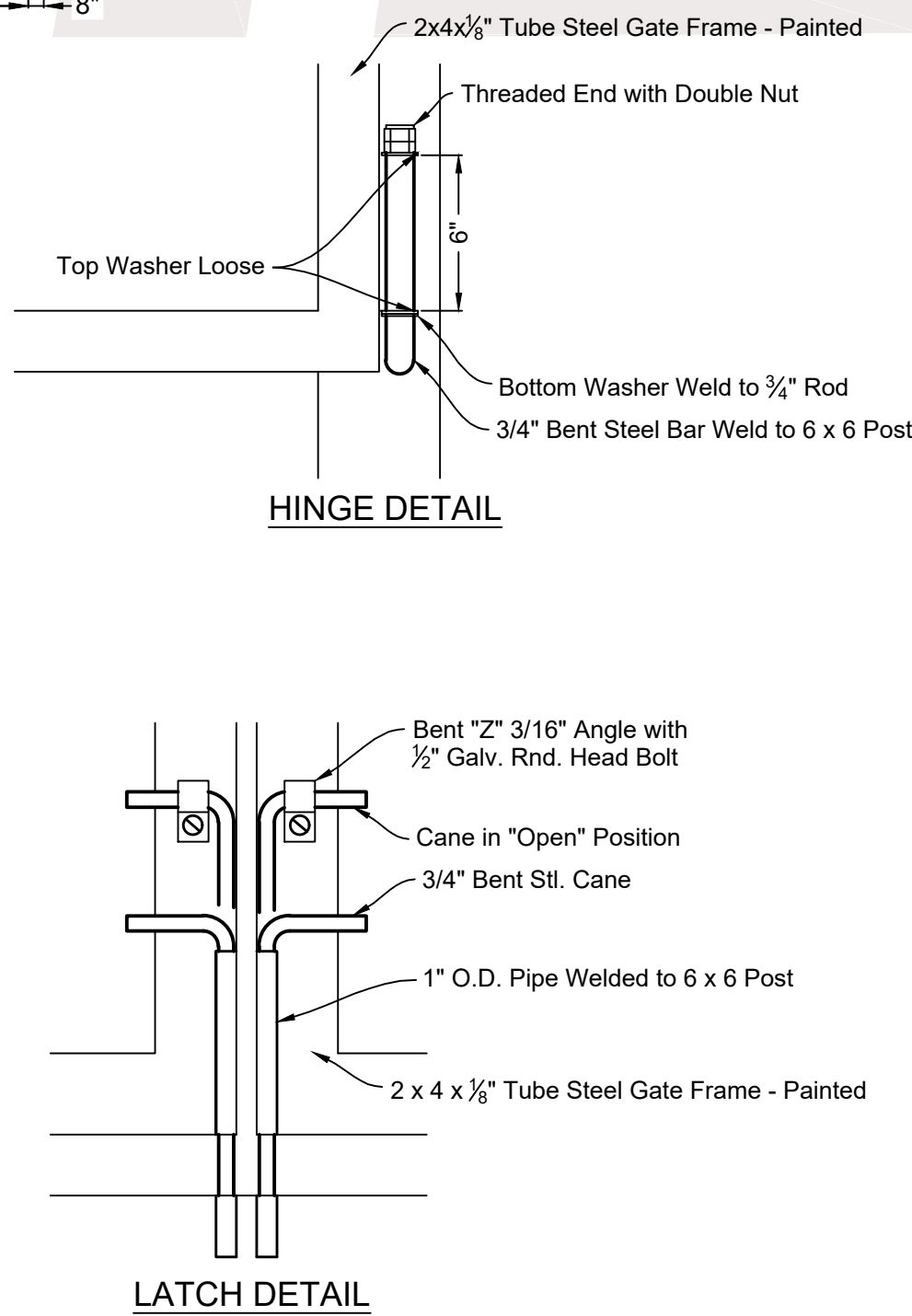
INTEGRAL SIDEWALK / PAVEMENT SECTION



CURB REMOVAL FOR DRIVEWAY OPENING

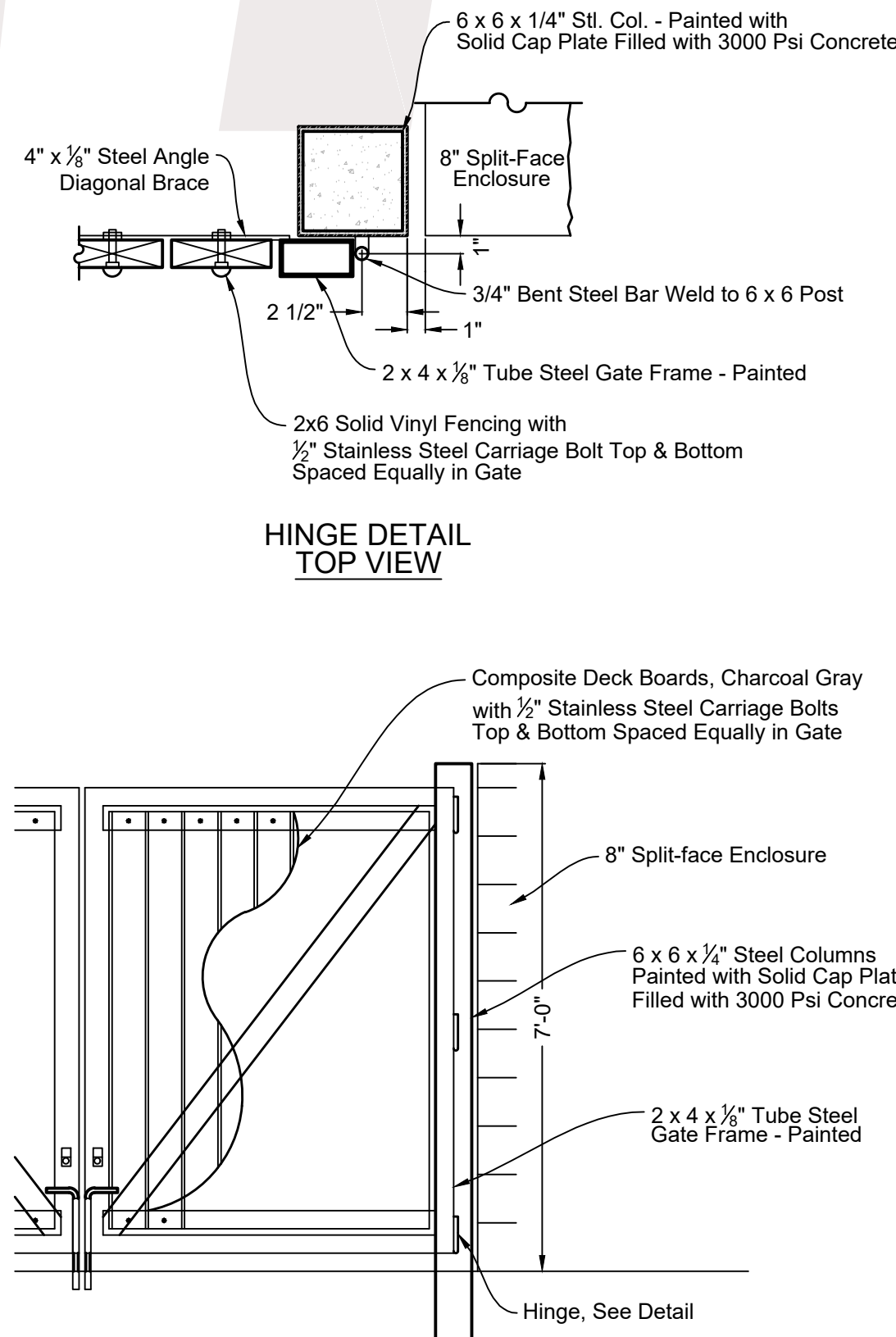


DUMPSTER ENCLOSURE DETAILS



HINGE DETAIL

LATCH DETAIL



HINGE DETAIL TOP VIEW

GATE ELEVATION



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REVISIONS

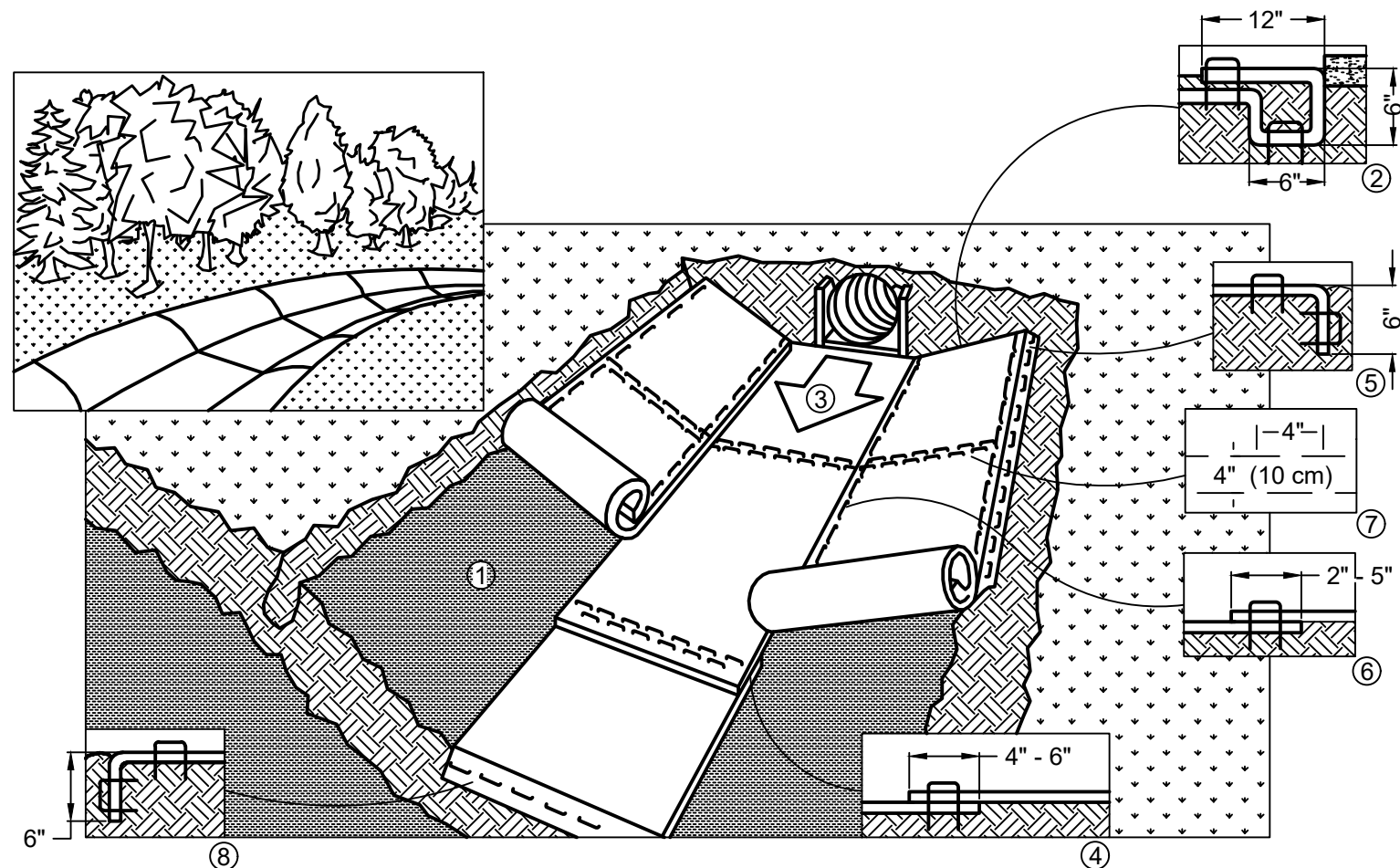


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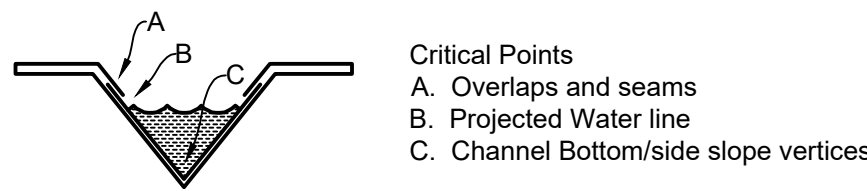
PROJECT INFO:
MASSMAN CORPORATE INC.
2005 Venture Avenue
CONSTRUCTION DETAILS

DRAWN BY: Author
SALES: SHEET: C2.1
SMET NO.: 22106
ARCHT. NO.:

DATE: 03/14/2024
SCALE:



1. Prepare soil before installing Rolled Erosion Control Products (RECP's), including any necessary application of lime, fertilizer, and seed.
 2. Begin at the top of the channel by anchoring the RECP's in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of RECP's extended beyond the up-slope portion of the trench. Anchor the RECP's with a row of staples/stakes approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) across the width of the RECP's.
 3. Roll center RECP's in direction of water flow in bottom of channel. RECP's will unroll with appropriate side against the soil surface. All RECP's must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the DOT system, staples/stakes should be placed through each of the colored dots corresponding to the appropriate staple pattern.
 4. Place consecutive RECP's end over end (shingle style) with a 4" - 6" (10 cm - 15 cm) overlap. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center to secure RECP's.
 5. Full length edge of RECP's at top of side slopes must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
 6. Adjacent RECP's must be overlapped approximately 2" - 5" (5 cm - 12.5 cm) (depending on RECP's type) and stapled.
 7. In high flow channel applications a staple check slot is recommended at 30 to 40 foot (9 M - 12 M) intervals. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center over entire width of the channel.
 8. The terminal end of the RECP's must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
- Note:
- * In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the RECP's.
9. Detail provided by North American Green (www.nagreen.com)



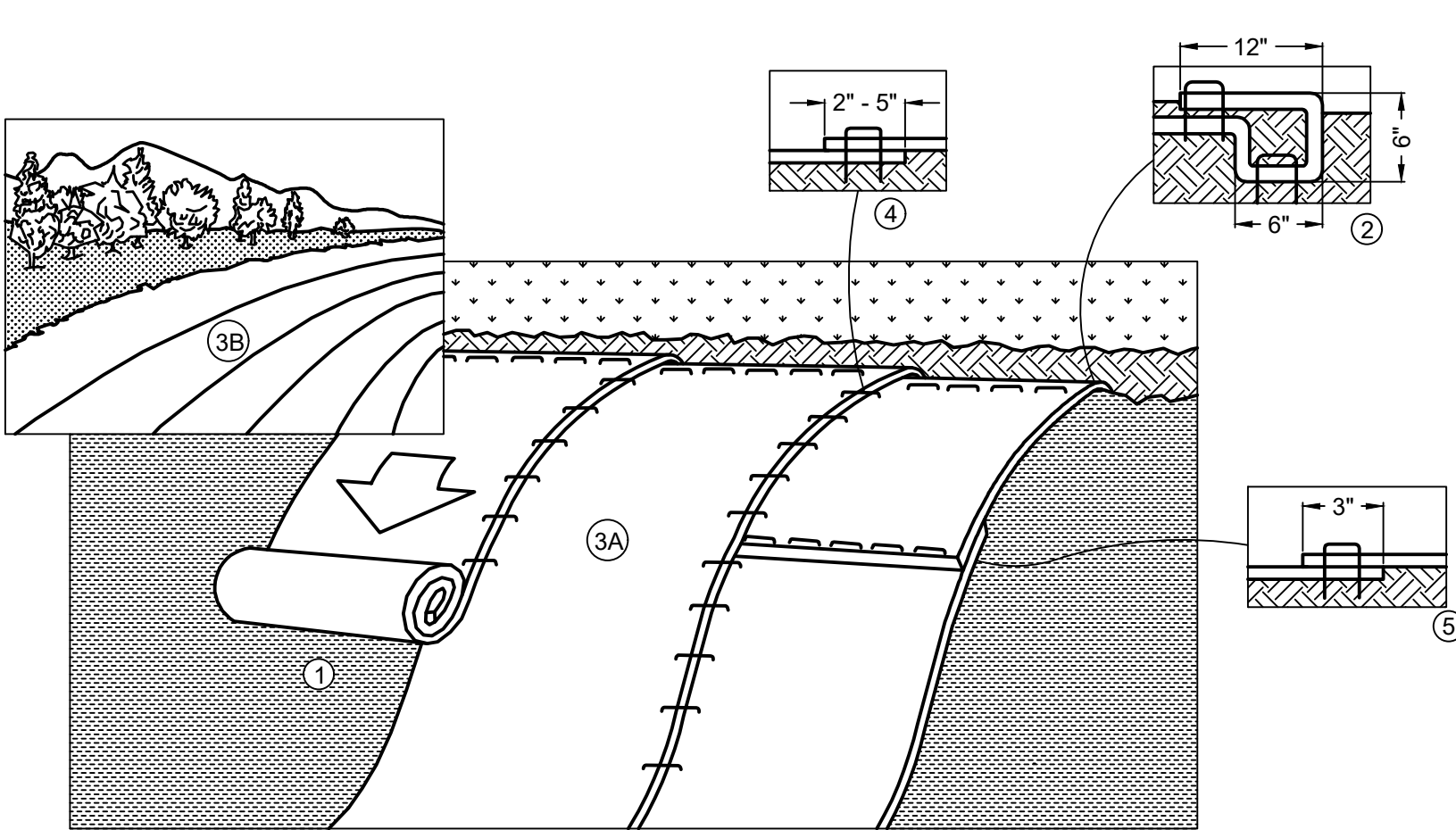
EROSION MAT CHANNEL INSTALLATION

DNR TECHNICAL STANDARD 1053

Note:

- * Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.

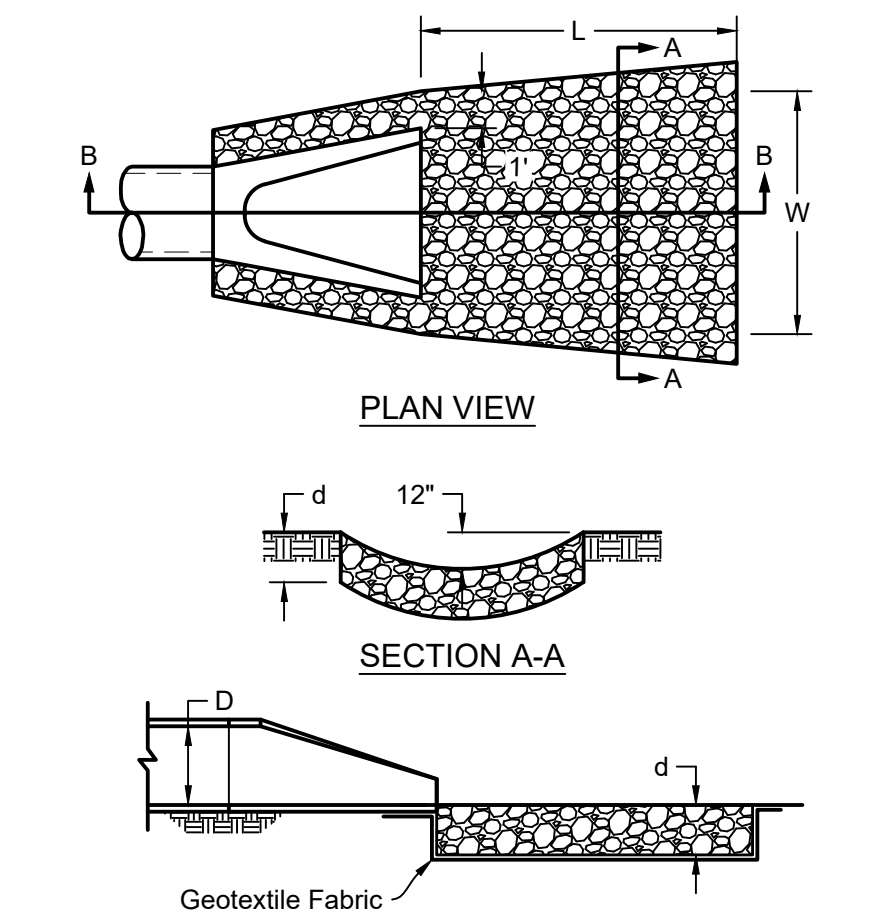
** In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the RECP's.



1. Prepare soil before installing Rolled Erosion Control Products (RECP's), including any necessary application of lime, fertilizer, and seed.
 2. Begin at the top of the slope by anchoring the RECP's in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of RECP's extended beyond the up-slope portion of the trench. Anchor the RECP's with a row of staples/stakes approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) apart across the width of the RECP's.
 3. Roll the RECP's (A) down or (B) horizontally across the slope. RECP's will unroll with appropriate side against the soil surface. All RECP's must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the DOT system, staples/stakes should be placed through each of the colored Dots corresponding to the appropriate staple pattern.
 4. The edges of parallel RECP's must be stapled with approximately 2" - 5" (5 cm - 12.5 cm) overlap depending on RECP's type.
 5. Consecutive RECP's spliced down the slope must be placed end over end (shingle style) with an approximate 3" (7.5 cm) overlap. Staple through overlapped area, approximately 12" (30 cm) apart across entire RECP's width.
- Note: * In loose soil conditions, the use of staple or stake lengths greater than 6" (30 cm) may be necessary to properly secure the RECP's.
6. Detail provided by North American Green (www.nagreen.com)
7. Turf Reinforcement Mats (TRM's) shall be installed in accordance with the above specifications for all RECP's. Anchoring size and pattern is to be installed per manufacturer specifications for clay soils having 4:1 slope. All TRM's shall be topsoil filled, seeded, and covered with a Class 2, Type B erosion mat in accordance with all manufacturer specifications.

EROSION/TURF REINFORCEMENT MAT SLOPE INSTALLATION

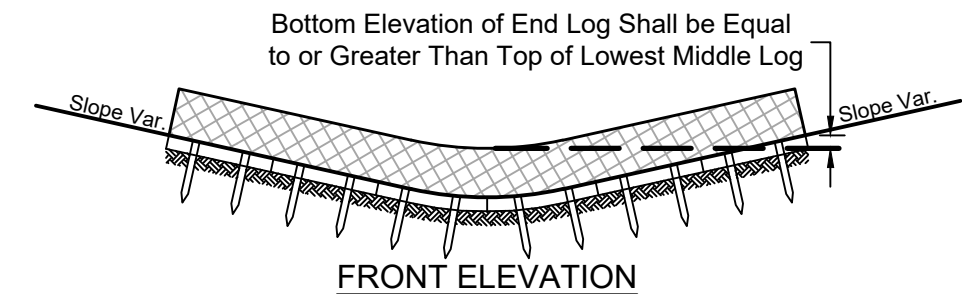
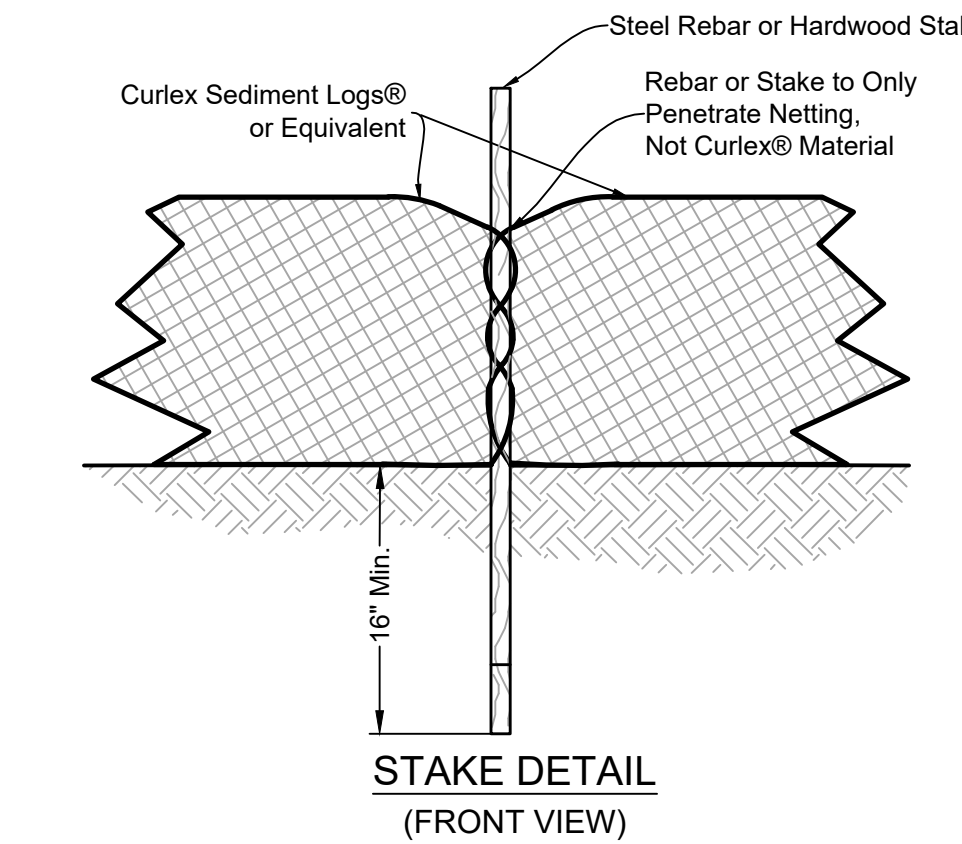
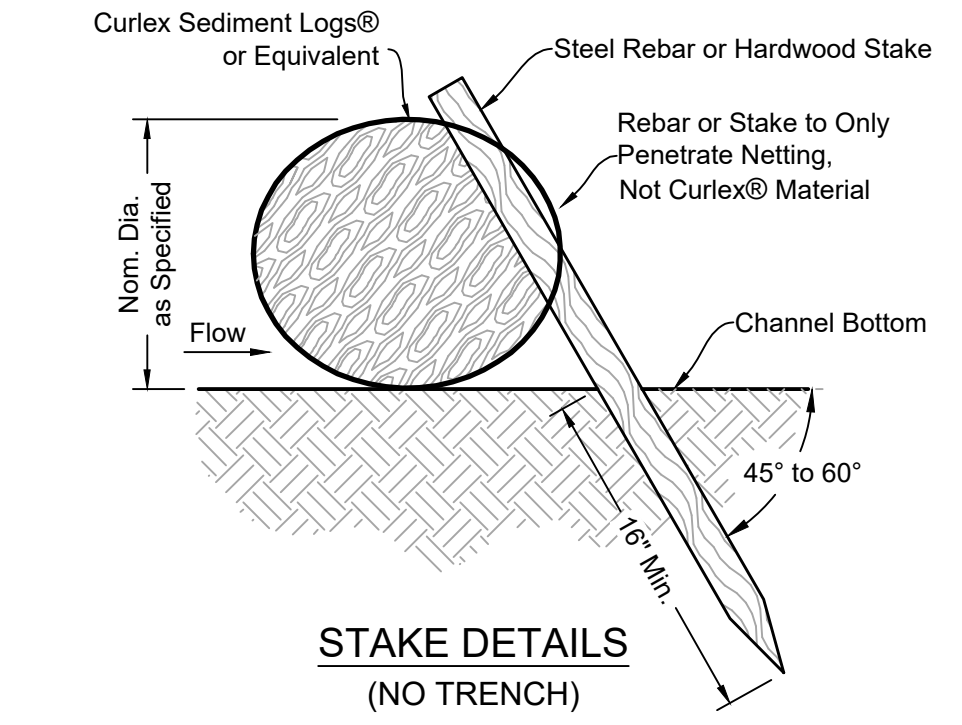
DNR TECHNICAL STANDARD 1052



| D | 12" | 15" | 18" | 21" | 24" | 30" | 36" | 42" | 48" | 54" | 60" |
|---------------|-----|-----|-----|------|------|------|------|------|------|------|------|
| L | 10' | 12' | 18' | 20' | 20' | 25' | 28' | 33' | 37' | 40' | 45' |
| W | 11' | 13' | 20' | 22' | 24' | 28' | 32' | 38' | 42' | 45' | 50' |
| d | 12" | 12" | 12" | 18" | 18" | 18" | 24" | 24" | 24" | 24" | 24" |
| Riprap cu yds | 2.6 | 3.6 | 7.8 | 14.3 | 15.6 | 22.6 | 38.4 | 53.2 | 65.8 | 76.3 | 95.0 |

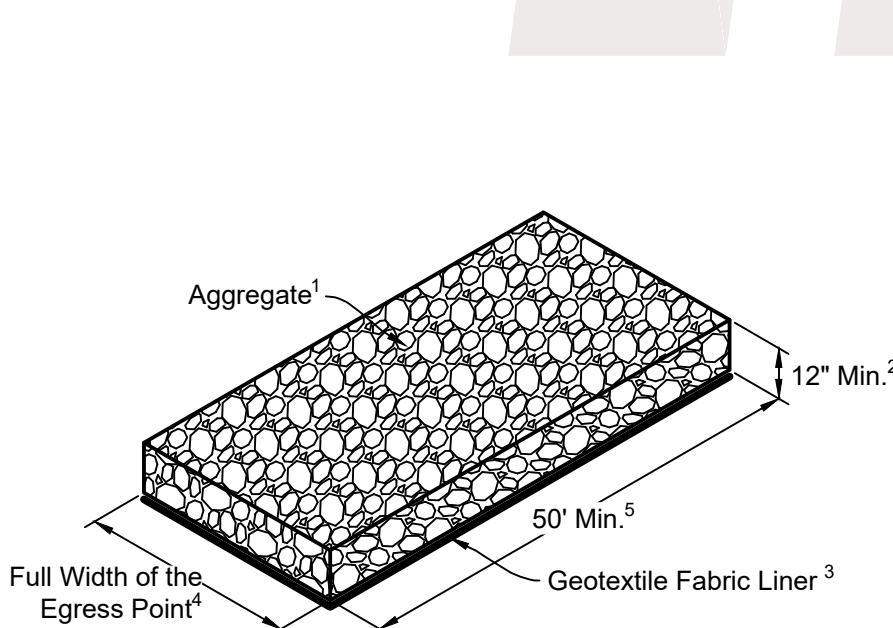
- Notes:
1. Excavate below channel outlet and widen channel outlet to the required riprap thickness for each apron. Foundation to be set to zero grade and smoothed.
 2. Place geotextile fabric on bottom and sides of prepared foundation. Fabric shall extend under endwall in accordance with DOT specifications. (DOT Section 628.2 & 628.3)
 3. Exercise care in placement of riprap to avoid damage to filter fabric.
 4. Use riprap conforming to Wisconsin DOT specifications. (DOT Section 606.2 & 606.3)
 5. Use DOT Type R geotextile fabric for light riprap. Use Type HR for medium and heavy riprap. (DOT Section 606.2, 606.3, 628.2 & 628.3)
 6. Use 12" dimension for pipes less than 12" in diameter.

OUTLET PROTECTION



NOTE: Stake installation shall meet manufacturer's requirements in regard to spacing, material, size, and bury depth.

SEDIMENT LOG DETAIL



TRACKING PAD DETAIL

DNR TECHNICAL STANDARD 1057

Note 1 Use hard, durable, angular stone or recycled concrete meeting the gradation in Table 1. Where this gradation is not available, meet the gradation in Wisconsin Department of Transportation (DOT) 2022 Standard Specification, Section 312. Select Crushed Material.

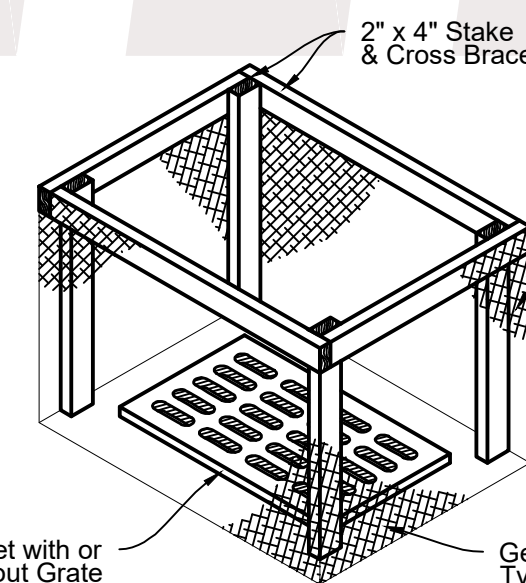
Note 2 Slope the stone tracking pad in a manner to direct runoff to an approved treatment practice.

Note 3 Select fabric type based on soil conditions and vehicles loading.

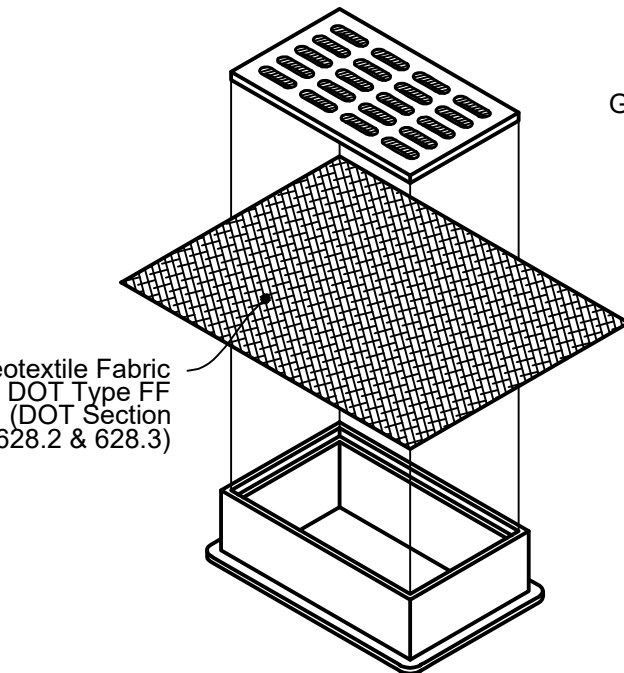
Note 4 Install tracking pad across full width of the access point, or restrict existing traffic to a dedicated egress lane at least 12 feet wide across the top of the pad.

Note 5 If a 50' pad length is not possible due to site geometry, install the maximum length practicable and supplement with additional practices as needed.

| 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 |



INLET PROTECTION, TYPE A



INLET PROTECTION, TYPE B

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

GENERAL NOTES:

Inlet protection devices shall be maintained or replaced at the direction of the engineer.

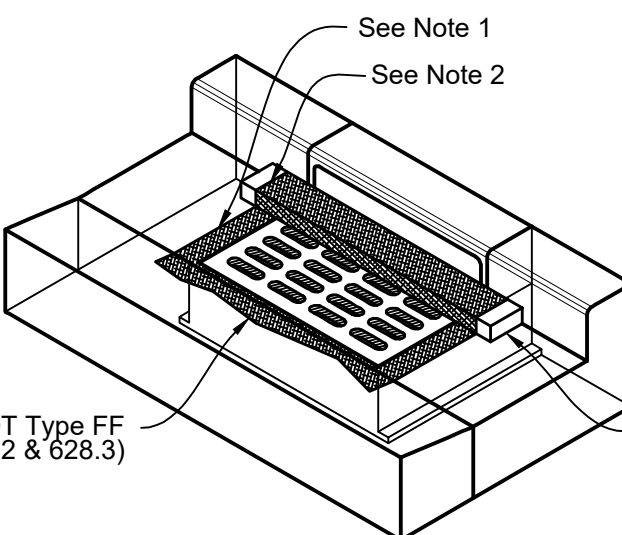
Manufactured alternatives approved and listed on the DOT Erosion Control Product Acceptability list may be substituted.

When removing or maintaining inlet protection, care shall be taken so that the sediment trapped on the geotextile fabric does not fall into the inlet. Any material falling into the inlet shall be removed immediately.

1. Finished size, including flap pockets where required, shall extend a minimum of 10" around the perimeter to facilitate maintenance or removal.

2. For inlet protection, Type C (with curb box), an additional 10" of fabric is wrapped around the wood and secured with staples. The wood shall not block the entire height of the curb box opening.

3. Flap pockets shall be large enough to accept wood 2x4.



INLET PROTECTION, TYPE C

INSTALLATION NOTES:

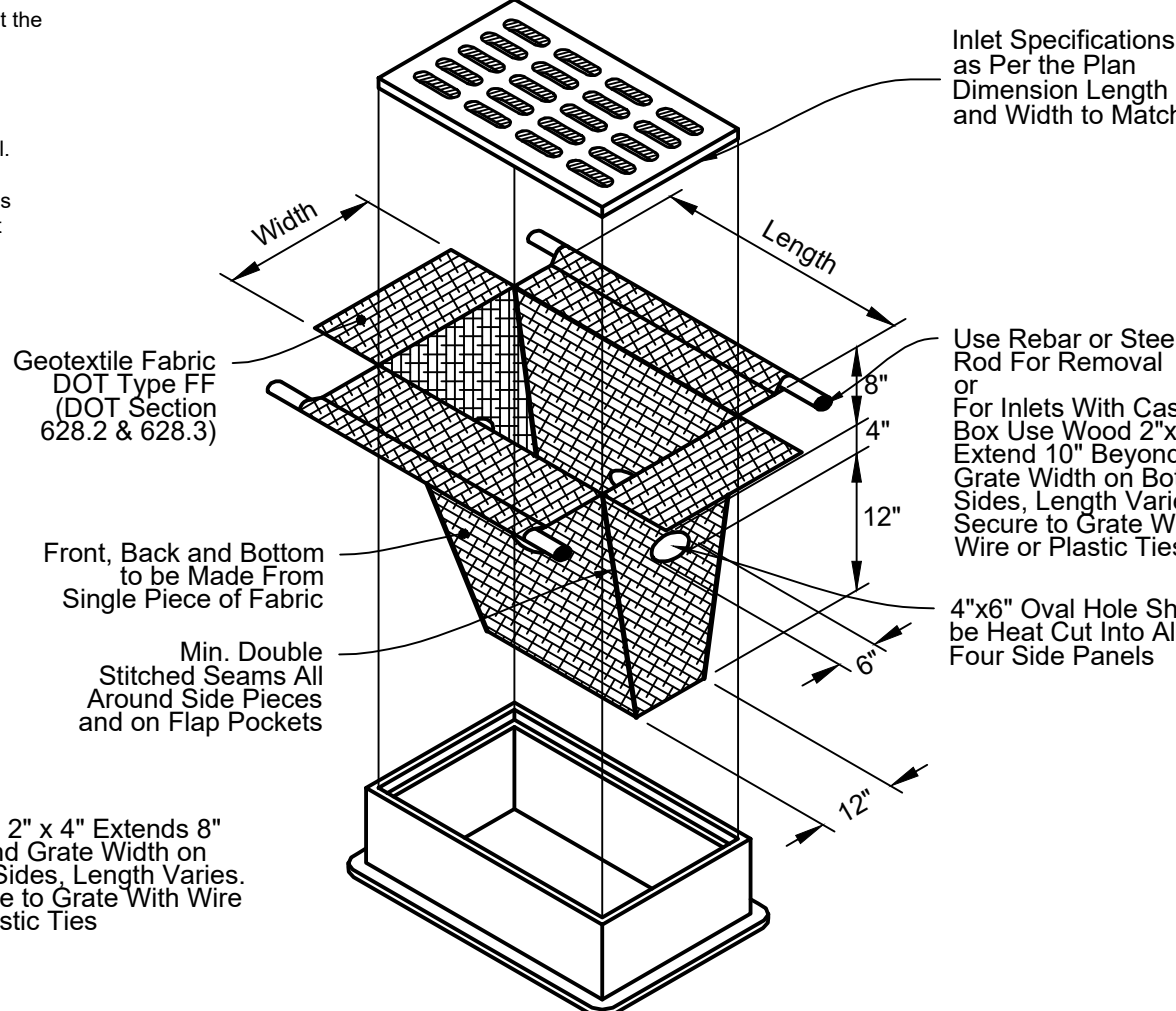
Inlet protection Type A shall be utilized around field inlets until permanent stabilization methods have been established. Inlet protection Type A shall be utilized on pavement inlets prior to installation of curb and gutter or pavement.

Inlet protection Type B shall be utilized on street inlets without curb heads, once surrounding surface is in place.

Inlet protection Type C shall be utilized on street inlets with curb heads.

TYPE B & C
Trim excess fabric in the flow line to within 3" of the grate.

The contractor shall demonstrate a method of maintenance, using a sewn flap, hand holds, or other method to prevent accumulated sediment from entering the inlet.



INLET PROTECTION, TYPE D

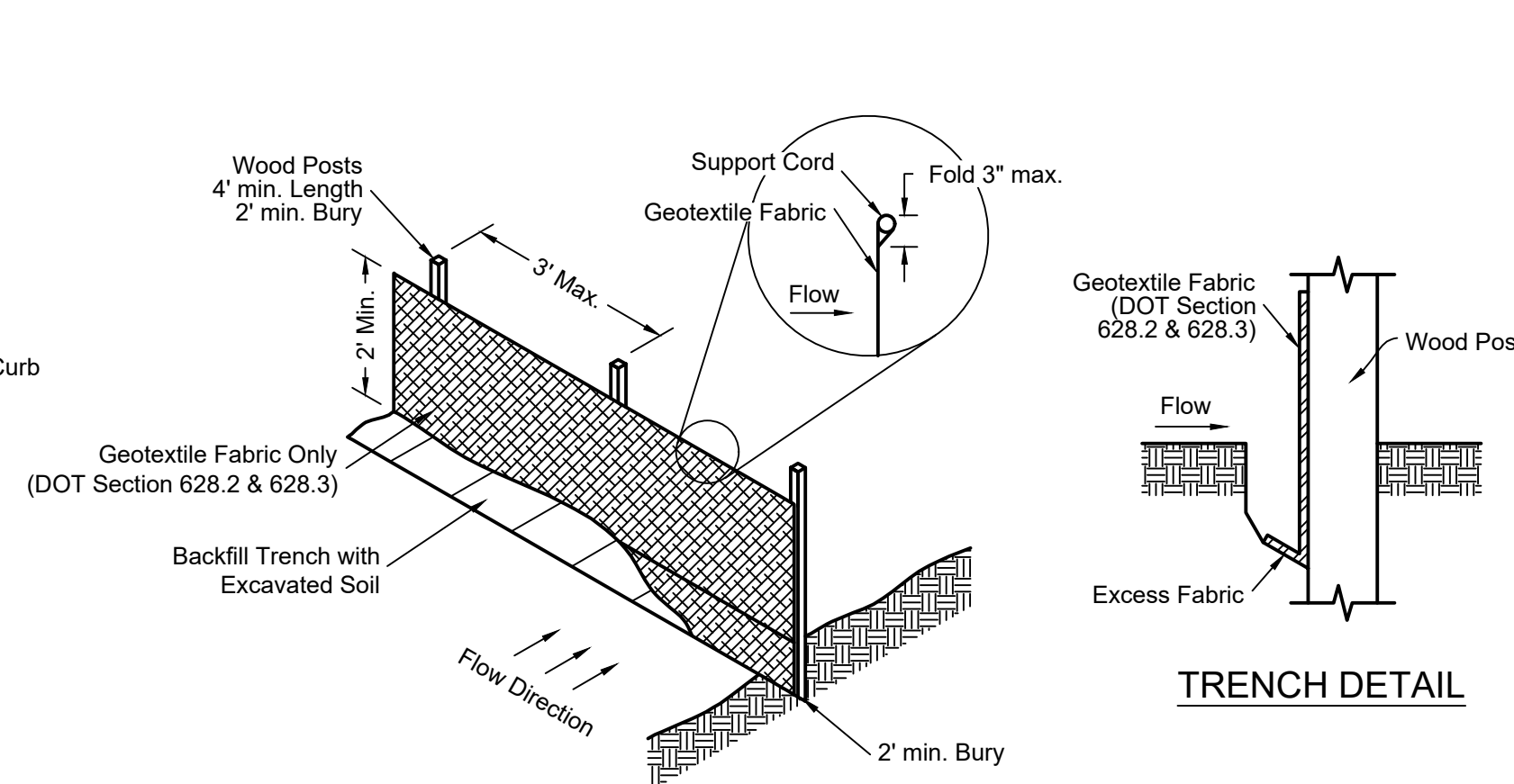
(CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX)

INSTALLATION NOTES:

Do not install inlet protection type D in inlets shallower than 30", measured from the bottom of the inlet to the top of the grate.

Trim excess fabric in the flow line to within 3" of the grate.

The installed bag shall have a minimum side clearance between the inlet walls and the bag measured at the bottom of the overflow holes of 3". Where necessary, the contractor shall cinch the bag using plastic zip ties to achieve the 3" clearance. The ties shall be placed at a minimum of 4" from the bottom of the bag.



Silt fence notes:

1. Detail of construction not shown on this drawings shall conform to criteria set by authorities having jurisdiction and by DNR Technical Standard 1056.
2. When possible, the silt fence should be constructed in an arc or horseshoe shape with the ends pointing upslope to maximize both strength and effectiveness.
3. Attach the fabric to the posts with wire staples or wooden lath and nails.
4. 8'-0" post spacing allowed if a woven geotextile fabric is used.
5. Trench shall be a minimum of 4" wide and 6" deep to bury and anchor the geotextile fabric. Fold material to fit trench and backfill and compact trench with excavated soil.
6. Geotextile fabric shall be reinforced with an industrial polypropylene netting with a maximum mesh spacing of 3/4" or equal. A heavy-duty nylon top support chord or equivalent is required.
7. Steel posts shall be studded "tee" or "u" type with a minimum weight of 128 lbs/lineal foot (without anchor). Fin anchors shall be a minimum size of 4" diameter or 1 1/2" x 3 1/2", except wood posts for geotextile fabric reinforced with netting shall be a minimum size of 1 1/8" x 1 1/8" oak or hickory.

SILT FENCE INSTALLATION

DNR TECHNICAL STANDARD 1056



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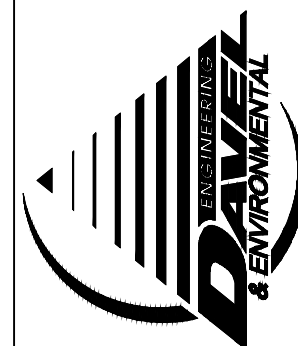
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www.davel.pro

PROJECT INFO:
MASSMAN CORPORATE INC.
2005 Venture Avenue
EROSION & SEDIMENT CONTROL DETAILS

DRAWN BY: Author
SALES:
SMET NO.: 22106
SHEET:
ARCHT. NO.: C2.2

DATE: 03/14/2024

SCALE:

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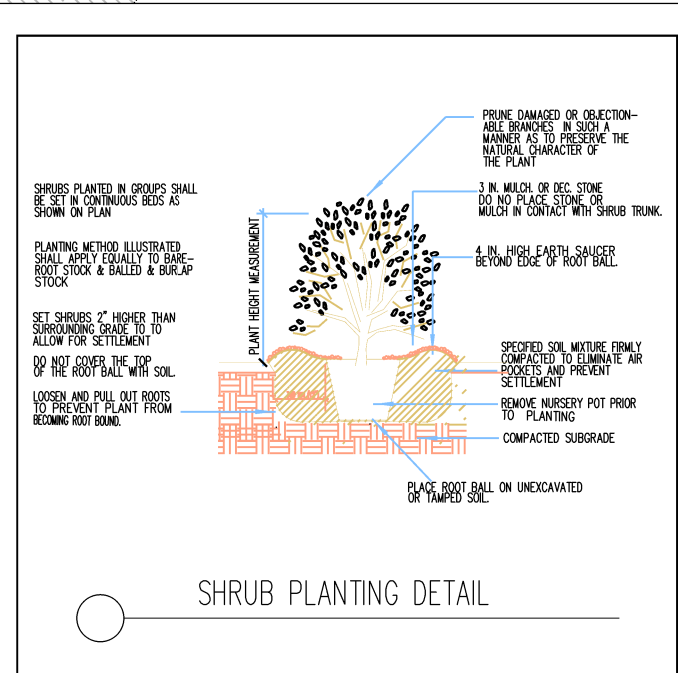
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2005 Venture Avenue
LANDSCAPE PLAN

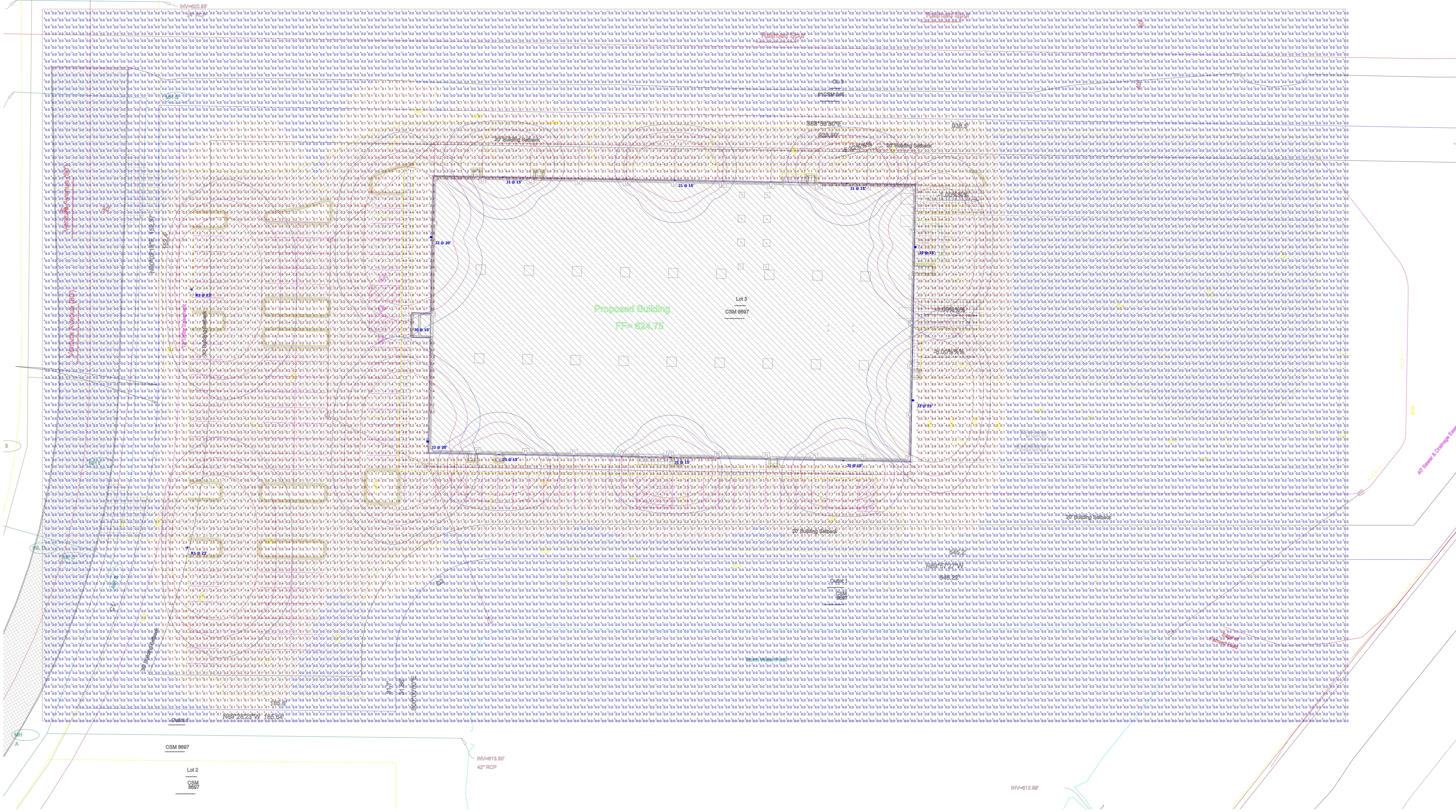
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

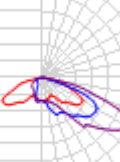





| | |
|---|--|
| 2 | <p>Trees: All trees to be staked.</p> <p>Trunks in turf area of seeded area to have 6" dia. circle of Shredded Hardwood mulch at 3" depth and shovel cut edge separating mulch from lawn area.</p> <p>Turfline herbicide placed on soil prior to mulching.</p> |
| 3 | <p>Plant Warranty Plan: All plant material will have (One) (1) full year warranty replacement from date of substantial completion.</p> <p>Maintenance Period: Maintenance period will last for a period of 60 days from substantial completion date.</p> <p>Post maintenance schedule includes: weekly deadheading trees and shrubs, and removing trash and debris from planting and landscape areas, repacking setting of stone, mulch, topsoil and lawn repair. application of pesticides, chemicals and fertilizers when required. An minimum contractor shall plan weekly maintenance visits and provide documentation of activities to Owner of activities.</p> <p>Planting schedule represents quantities for base bid only.</p> |
| 3 | <p>Lawn: Seed with 50/50 Blend Kentucky Bluegrass & Perennial Ryegrass at rate of \$81000.00 sq. ft. Seed areas installed on 40" minimum fertility topsoil. Loosen subgrade to minimum of 4" remove stones, sticks, grasses and other extra materials. Fertilize using commercial grade starter fertilizer, non phosphorous @ 56 per 1000 sq. ft. Straw mulch, clean mulch and seed feed, salt marsh hay or straw mulch 1/2" thick, wet or soaks. Erosion control mat. Plant during non-freezing weather.</p> <p>Maintenance Period: Maintenance period will last for a period of 60 days from substantial completion date.</p> <p>Provide all maintenance services at minimum, uniform, fertilizing, weeding, pesticide/biopathogen treatments, and mowing. Repair bare or eroded areas and remove to produce water, smooth turf. Only remove erosion control mat if mat too high for mowing. All plant material shall plan weekly maintenance visits and provide documentation of activities to Owner of activities.</p> <p>All contractors shall verify the location of private utilities prior to start of work.</p> <p>Contact Diggers Hotline 5 days prior to start of construction.</p> |
| 4 | <p>Planting Bed: Remove stones, sticks, construction debris and other extra materials from planting area.</p> <p>Install 12" of 3:2 ratio of pulverized topsoil and organic matter and rototill into subsoil at depth of 6"-8".</p> <p>Rake smooth and assess positive pitch.</p> <p>Install Shredded Hardwood Mulch at 3" of 3" depth.</p> <p>Edge with Natural Cut Shovel Bed Edge.</p> |



| Page |
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| C1. |
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| C2. |
| C2. |
| L1.0 |



| Schedule | | | | | | | | | | | | |
|---|-------|---|-----|-------------------|-------------------------|--|--------------|-------------|----------------------|-----|-------------|--|
| Symbol | Label | Image | QTY | Manufacturer | Catalog | Description | Number Lamps | Lamp Output | Intensity Multiplier | LLF | Input Power | Polar Plot |
|  | J0 | | 1 | Lithonia Lighting | WPX0 LED ALO SWW2 MVOLT | WPX0 LED, 850-1450 Adjustable Lumen Output (1,650 Default), Switchable CCT (4000K Default), 120-277V | 1 | 1645 | 0.52 | 0.9 | 6.4 |  Max: 752cd |
|  | J1 |  | 6 | Lithonia Lighting | WPX2 LED 30K Mvolt | WPX2 LED wallpack 6000lm 3000K color temperature 120-277 Volt | 1 | 5896 | 1 | 0.9 | 47.77 |  Max: 2516cd |
|  | J2 |  | 4 | Lithonia Lighting | ESX1 LED P2 30K R3 | ESX LED Area Luminaire Size 1 P2 Lumen Package 3000K CCT Type R3 Distribution | 1 | 13917 | 1 | 0.9 | 97.59 |  Max: 7940cd |
|  | R1 |  | 2 | Lithonia Lighting | ESX1 LED P2 30K R3 HS | ESX Area Luminaire Size 1 P2 Lumen Package 3000K CCT Type R3 Distribution with House-side shield | 1 | 11398 | 1 | 0.9 | 97.5852 |  Max: 7603cd |

Note:
1. All outdoor lighting complies with zoning ordinance 15-95 for light trespass, dark sky compliance, light colors, and fixture heights.

PROJECT FOR :

MASSMAN CORPORATE INC.

(AS SUCCESSOR BY MERGER TO EDL MASSMAN, LLC)

DEPERE, WISCONSIN

SMET

CONSTRUCTION SERVICES


OUR REPUTATION IS BUILDING


CONSTRUCTION OFFICE
2080 PROFIT PLACE
DEPERE, WI 54115

PHONE: (920) 532-3828
EMAIL: INFO@SMET.COM

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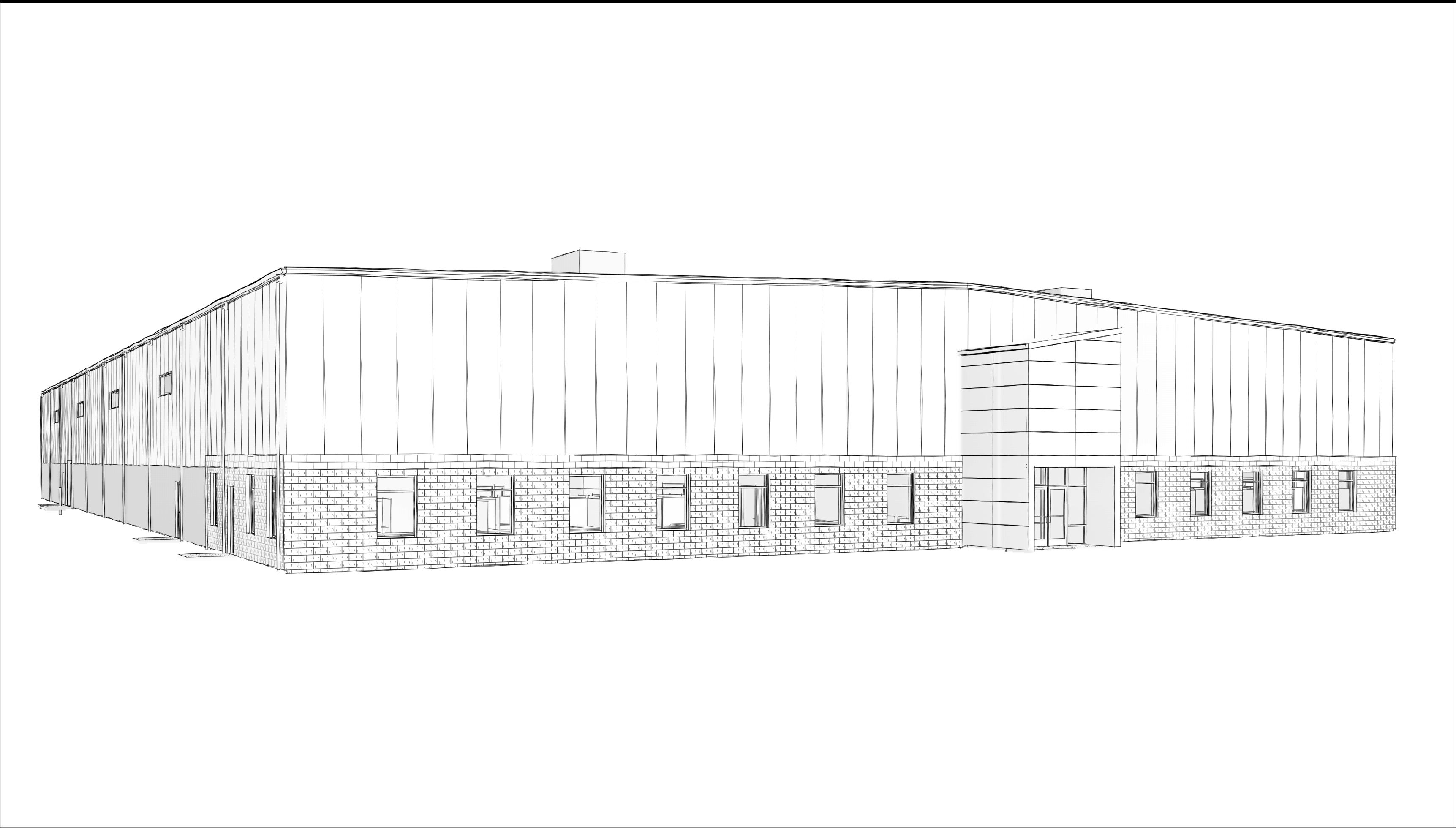
| PROJECT LOCATION | PROJECT DIRECTORY | PROJECT INFORMATION | SHEET INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|--------|--------------------------|-----------------------|--|--|------|-----------|--------|---------|--|--|--|--|------|-------------|----------|-----|---|-----------|--|--|--|--|------|------------|--|--|--|------|------------|--|--|--|------|-----------|--|--|--|------|-----------|--|--|--|---------|--|--|--|--|------|-----------|--|--|--|------|--------------------|--|--|--|------|-------------------------|--|--|--|------|---------------------------------|--|--|--|------|--------------|--|--|--|------|----------------------|--|--|--|------|-----------------------|--|--|--|------|------------------------------------|--|--|--|-----------------|--|--|--|--|------|-------------------|----------|-----|---|------|-----------------------|--|--|--|------|-----------------------------|--|--|--|------|---|--|--|--|------|----------------------|----------|-----|---|------|----------------------|----------|-----|---|------|---------------------|--|--|--|------|---------------------|----------|-----|---|------|---------------------|----------|-----|---|------|---------------------------|--|--|--|------|----------------------------|--|--|--|------|--------------------------------|----------|-----|---|------|-----------------------------------|--|--|--|--------------|--|--|--|--|
|  | <p>CONTRACTOR: SMET CONSTRUCTION CULLEN SMET 2080 PROFIT PLACE DE PERE, WI 54115 (920) 532-3828</p> <p>ARCHITECTURAL : ONPOINT ENGINEERING AND DESIGN DEVIN OEHLDRICH, PE 1748 BRIDGE PORT CIR DE PERE, WI 54115 (920) 676-1368</p> <p>STRUCTURAL : ONPOINT ENGINEERING AND DESIGN DEVIN OEHLDRICH, PE 1748 BRIDGE PORT CIR DE PERE, WI 54115 (920) 676-1368</p> <p>CIVIL : DAVEL ENGINEERING & ENVIORNMENTAL JOHN DAVEL, PE 1164 POVINCE TERRACE MENASHA, WI 54952 (920) 560-6563</p> <p>MECHANICAL : DESIGN BUILD</p> <p>ELECTRICAL : DESIGN BUILD</p> <p>PLUMBING : DESIGN BUILD</p> <p>FIRE PROTECTION : DESIGN BUILD</p> | <p>OWNER INFORMATION: SMET PROPERTIES LLC 1428 FOX RIVER DRIVE DE PERE, WISCONSIN 54115 CONTACT: SCOTT SMET DIS NO:</p> <p>PROJECT LOCATION: ADDRESS DE PERE, WI 54115 CITY OF DE PERE BROWN COUNTY</p> <p>BUILDING AREA: FIRST FLOOR OCCUPANCY F-2 AREAS 36,103 SQ FT OCCUPANCY B AREAS 8,792 SQ FT MEZZANINE OCCUPANCY S-2 AREAS 660 SQ FT</p> <p>TOTAL BUILDING AREA: 45,555 SQ FT</p> | <table><tr><th rowspan="2">NUMBER</th><th rowspan="2">SHEET NAME / DESCRIPTION</th><th colspan="3">LATEST SHEET REVISION</th></tr><tr><th>DATE</th><th>ISSUED BY</th><th>NUMBER</th></tr><tr><td colspan="5">1 TITLE</td></tr><tr><td>T1.0</td><td>TITLE SHEET</td><td>04.29.24</td><td>LJP</td><td>D</td></tr><tr><td colspan="5">2 GENERAL</td></tr><tr><td>G1.0</td><td>PLAN NOTES</td><td></td><td></td><td></td></tr><tr><td>G1.1</td><td>PLAN NOTES</td><td></td><td></td><td></td></tr><tr><td>G1.2</td><td>CODE DATA</td><td></td><td></td><td></td></tr><tr><td>G1.3</td><td>CODE DATA</td><td></td><td></td><td></td></tr><tr><td colspan="5">3 CIVIL</td></tr><tr><td>C1.0</td><td>SITE PLAN</td><td></td><td></td><td></td></tr><tr><td>C1.1</td><td>TOPOGRAPHIC SURVEY</td><td></td><td></td><td></td></tr><tr><td>C1.2</td><td>DRAINAGE & GRADING PLAN</td><td></td><td></td><td></td></tr><tr><td>C1.3</td><td>EROSION & SEDIMENT CONTROL PLAN</td><td></td><td></td><td></td></tr><tr><td>C1.4</td><td>UTILITY PLAN</td><td></td><td></td><td></td></tr><tr><td>C2.1</td><td>CONSTRUCTION DETAILS</td><td></td><td></td><td></td></tr><tr><td>C2.2</td><td>SEWER & WATER DETAILS</td><td></td><td></td><td></td></tr><tr><td>C2.3</td><td>EROSION & SEDIMENT CONTROL DETAILS</td><td></td><td></td><td></td></tr><tr><td colspan="5">4 ARCHITECTURAL</td></tr><tr><td>A0.1</td><td>WALL / ROOF TYPES</td><td>04.29.24</td><td>LJP</td><td>D</td></tr><tr><td>A1.0</td><td>FLOOR PLAN - PROPOSED</td><td></td><td></td><td></td></tr><tr><td>A1.1</td><td>FLOOR PLAN - ENLARGED PLANS</td><td></td><td></td><td></td></tr><tr><td>A1.2</td><td>FLOOR PLAN - OFFICE AREA DIMENSION PLAN</td><td></td><td></td><td></td></tr><tr><td>A1.3</td><td>ROOF PLAN - PROPOSED</td><td>04.29.24</td><td>LJP</td><td>D</td></tr><tr><td>A2.0</td><td>ELEVATION - EXTERIOR</td><td>04.29.24</td><td>LJP</td><td>D</td></tr><tr><td>A3.0</td><td>SECTIONS - BUILDING</td><td></td><td></td><td></td></tr><tr><td>A3.1</td><td>SECTIONS - BUILDING</td><td>04.29.24</td><td>LJP</td><td>D</td></tr><tr><td>A3.2</td><td>SECTIONS - BUILDING</td><td>04.10.24</td><td>LJP</td><td>B</td></tr><tr><td>A6.0</td><td>SCHEDULES - DOOR / WINDOW</td><td></td><td></td><td></td></tr><tr><td>A6.1</td><td>ROOM FINISH PLAN - OVERALL</td><td></td><td></td><td></td></tr><tr><td>A6.2</td><td>ROOM FINISH PLAN - OFFICE AREA</td><td>03.14.24</td><td>LJP</td><td>A</td></tr><tr><td>A6.3</td><td>REFLECTED CEILING PLAN - PROPOSED</td><td></td><td></td><td></td></tr><tr><td colspan="5">5 STRUCTURAL</td></tr></table> | NUMBER | SHEET NAME / DESCRIPTION | LATEST SHEET REVISION | | | DATE | ISSUED BY | NUMBER | 1 TITLE | | | | | T1.0 | TITLE SHEET | 04.29.24 | LJP | D | 2 GENERAL | | | | | G1.0 | PLAN NOTES | | | | G1.1 | PLAN NOTES | | | | G1.2 | CODE DATA | | | | G1.3 | CODE DATA | | | | 3 CIVIL | | | | | C1.0 | SITE PLAN | | | | C1.1 | TOPOGRAPHIC SURVEY | | | | C1.2 | DRAINAGE & GRADING PLAN | | | | C1.3 | EROSION & SEDIMENT CONTROL PLAN | | | | C1.4 | UTILITY PLAN | | | | C2.1 | CONSTRUCTION DETAILS | | | | C2.2 | SEWER & WATER DETAILS | | | | C2.3 | EROSION & SEDIMENT CONTROL DETAILS | | | | 4 ARCHITECTURAL | | | | | A0.1 | WALL / ROOF TYPES | 04.29.24 | LJP | D | A1.0 | FLOOR PLAN - PROPOSED | | | | A1.1 | FLOOR PLAN - ENLARGED PLANS | | | | A1.2 | FLOOR PLAN - OFFICE AREA DIMENSION PLAN | | | | A1.3 | ROOF PLAN - PROPOSED | 04.29.24 | LJP | D | A2.0 | ELEVATION - EXTERIOR | 04.29.24 | LJP | D | A3.0 | SECTIONS - BUILDING | | | | A3.1 | SECTIONS - BUILDING | 04.29.24 | LJP | D | A3.2 | SECTIONS - BUILDING | 04.10.24 | LJP | B | A6.0 | SCHEDULES - DOOR / WINDOW | | | | A6.1 | ROOM FINISH PLAN - OVERALL | | | | A6.2 | ROOM FINISH PLAN - OFFICE AREA | 03.14.24 | LJP | A | A6.3 | REFLECTED CEILING PLAN - PROPOSED | | | | 5 STRUCTURAL | | | | |
| NUMBER | SHEET NAME / DESCRIPTION | LATEST SHEET REVISION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | ISSUED BY | NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 TITLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1.0 | TITLE SHEET | 04.29.24 | LJP | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 GENERAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| G1.2 | CODE DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G1.3 | CODE DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 CIVIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1.0 | SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1.1 | TOPOGRAPHIC SURVEY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1.2 | DRAINAGE & GRADING PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1.3 | EROSION & SEDIMENT CONTROL PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1.4 | UTILITY PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2.1 | CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2.2 | SEWER & WATER DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2.3 | EROSION & SEDIMENT CONTROL DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 ARCHITECTURAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A0.1 | WALL / ROOF TYPES | 04.29.24 | LJP | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1.0 | FLOOR PLAN - PROPOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1.1 | FLOOR PLAN - ENLARGED PLANS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1.2 | FLOOR PLAN - OFFICE AREA DIMENSION PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1.3 | ROOF PLAN - PROPOSED | 04.29.24 | LJP | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2.0 | ELEVATION - EXTERIOR | 04.29.24 | LJP | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3.0 | SECTIONS - BUILDING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3.1 | SECTIONS - BUILDING | 04.29.24 | LJP | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3.2 | SECTIONS - BUILDING | 04.10.24 | LJP | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6.0 | SCHEDULES - DOOR / WINDOW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6.1 | ROOM FINISH PLAN - OVERALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6.2 | ROOM FINISH PLAN - OFFICE AREA | 03.14.24 | LJP | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6.3 | REFLECTED CEILING PLAN - PROPOSED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 STRUCTURAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



NORTH

PROJECT PERSPECTIVE (NTS)

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



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| REVIEWS | | FINISHES | | | | | | | |
|---------|---|----------|----------|----------|----------|--|--|--|--|
| | | 03.14.24 | 04.10.24 | 04.17.24 | 04.29.24 | | | | |
| | A | | | | | | | | |
| | B | | | | | | | | |
| | C | | | | | | | | |
| | D | | | | | | | | |
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PROJECT INFO:

MASSMAN CORPORATE INC.

TITLE SHEET

DRAWN BY:
LP / DO

SMET NO.:
22106

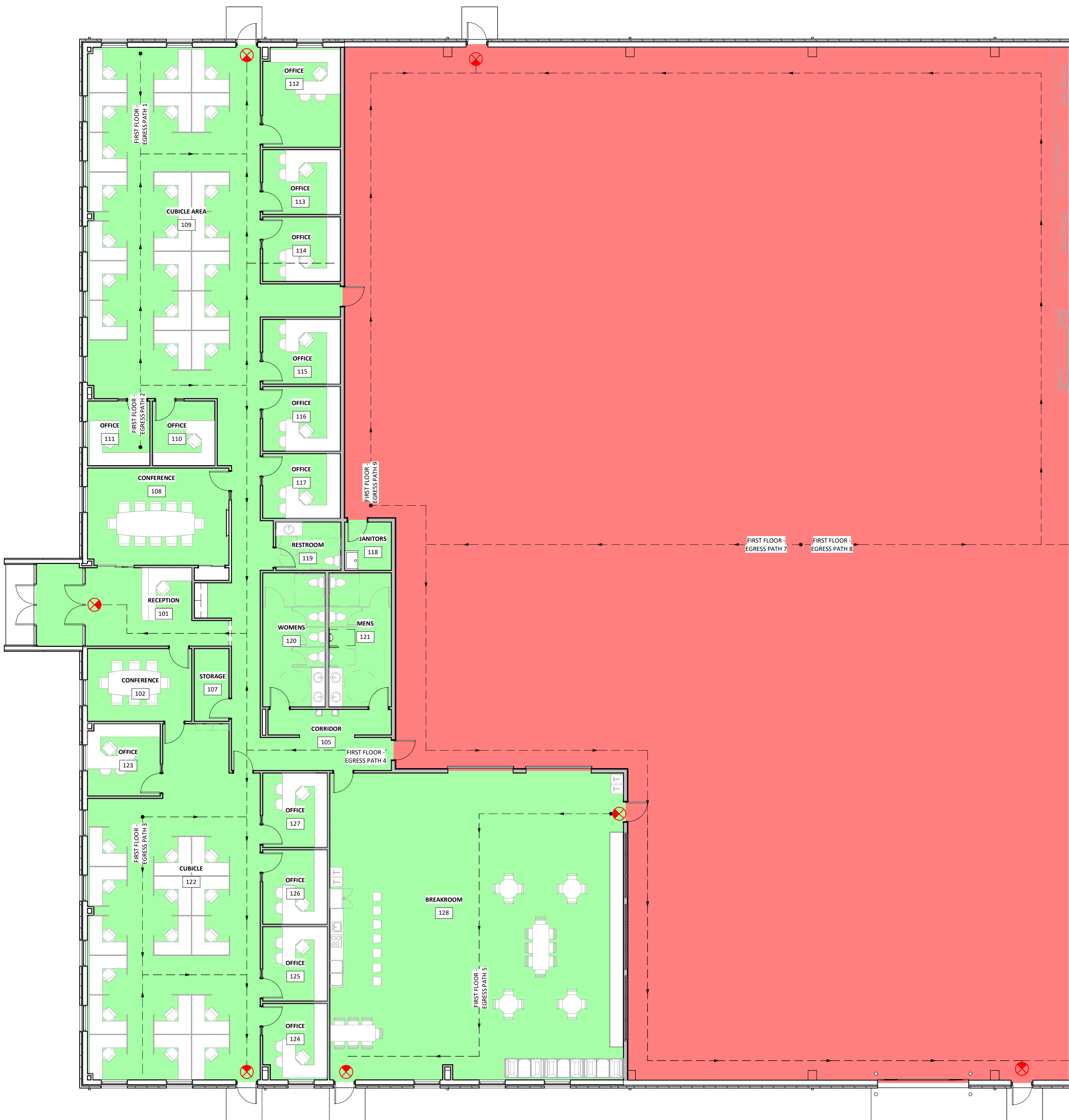
ARCHT. NO.:

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DATE: 4/30/2024 7:52:12 AM

SCALE:



CODE DATA - OFFICE
1/G1.2 SCALE = 3/32" = 1'-0"



OCCUPANCY CLASSIFICATION

- F-2, LOW-HAZARD FACTORY INDUSTRIAL
- B, BUSINESS

CODE DATA PLAN KEY

- EXIT
- ELEVATOR
- F.E. FIRE EXTINGUISHER
- 1-HR FIRE BARRIER/WALL
- 2-HR FIRE BARRIER/WALL
- 3-HR FIRE BARRIER/WALL

EGRESS PATH SCHEDULE

| MARK | TRAVEL DISTANCE | CLEAR WIDTH | COMMENTS |
|------------------------------|-----------------|-------------|----------|
| FIRST FLOOR - EGRESS PATH 1 | 49' | | |
| FIRST FLOOR - EGRESS PATH 2 | 90' | | |
| FIRST FLOOR - EGRESS PATH 3 | 63' | | |
| FIRST FLOOR - EGRESS PATH 4 | 70' | | |
| FIRST FLOOR - EGRESS PATH 5 | 77' | | |
| FIRST FLOOR - EGRESS PATH 6 | 170' | | |
| FIRST FLOOR - EGRESS PATH 7 | 233' | | |
| FIRST FLOOR - EGRESS PATH 8 | 208' | | |
| FIRST FLOOR - EGRESS PATH 9 | 94' | | |
| FIRST FLOOR - EGRESS PATH 10 | 159' | | |
| FIRST FLOOR - EGRESS PATH 11 | 78' | | |
| FIRST FLOOR - EGRESS PATH 12 | 91' | | |
| FIRST FLOOR - EGRESS PATH 13 | 88' | | |
| FIRST FLOOR - EGRESS PATH 14 | 103' | | |
| FIRST FLOOR - EGRESS PATH 15 | 73' | | |

FIRST FLOOR OCCUPANCY B

| ROOM NUMBER | ROOM NAME | AREA | FUNCTION OF SPACE | OCC. FACTOR | CAPACITY |
|-------------|--------------|------------|-------------------|-------------|----------|
| 100 | VESTIBULE | 95 SF | CIRCULATION | 0 SF | |
| 101 | RECEPTION | 220 SF | BUSINESS | 100 SF | 2 |
| 102 | CONFERENCE | 178 SF | TABLES AND CHAIRS | 15 SF | 12 |
| 105 | CORRIDOR | 430 SF | CIRCULATION | 0 SF | |
| 106 | STORAGE | Not Placed | ACCESSORY STORAGE | 300 SF | |
| 107 | STORAGE | 59 SF | ACCESSORY STORAGE | 300 SF | 0 |
| 108 | CONFERENCE | 321 SF | TABLES AND CHAIRS | 15 SF | 21 |
| 109 | CUBICLE AREA | 1540 SF | BUSINESS | 100 SF | 15 |
| 110 | OFFICE | 95 SF | BUSINESS | 100 SF | 1 |
| 111 | OFFICE | 95 SF | BUSINESS | 100 SF | 1 |
| 112 | OFFICE | 180 SF | BUSINESS | 100 SF | 2 |
| 113 | OFFICE | 118 SF | BUSINESS | 100 SF | 1 |
| 114 | OFFICE | 118 SF | BUSINESS | 100 SF | 1 |
| 115 | OFFICE | 118 SF | BUSINESS | 100 SF | 1 |
| 116 | OFFICE | 118 SF | BUSINESS | 100 SF | 1 |
| 117 | OFFICE | 118 SF | BUSINESS | 100 SF | 1 |
| 118 | JANITORS | 53 SF | ACCESSORY STORAGE | 300 SF | 0 |
| 119 | RESTROOM | 74 SF | RESTROOM | 0 SF | |
| 120 | WOMENS | 197 SF | RESTROOM | 0 SF | |
| 121 | MENS | 197 SF | RESTROOM | 0 SF | |
| 122 | CUBICLE | 1264 SF | BUSINESS | 100 SF | 13 |
| 123 | OFFICE | 122 SF | BUSINESS | 100 SF | 1 |
| 124 | OFFICE | 113 SF | BUSINESS | 100 SF | 1 |
| 125 | OFFICE | 113 SF | BUSINESS | 100 SF | 1 |
| 126 | OFFICE | 113 SF | BUSINESS | 100 SF | 1 |
| 127 | OFFICE | 113 SF | BUSINESS | 100 SF | 1 |
| 128 | LOCKER ROOM | Not Placed | LOCKER ROOM | 50 SF | |
| 128 | BREAKROOM | 2119 SF | TABLES AND CHAIRS | 15 SF | 141 |
| 130 | PANTRY | Not Placed | ACCESSORY STORAGE | 300 SF | |
| | | 8278 SF | | | 220 |

GENERAL CODE DATA

EDL MASSMAN - DE PERE, WI
SCOPE OF WORK: NEW CONSTRUCTION
BUILDING USE: MANUFACTURING

BUILDING CODE
2015 INTERNATIONAL BUILDING CODE

BUILDING AREA:
FIRST FLOOR
OCCUPANCY F-2 AREAS 36,103 SQ FT
OCCUPANCY B AREAS 8,792 SQ FT
MEZZANINE
OCCUPANCY S-2 AREAS 660 SQ FT
TOTAL BUILDING AREA: 45,555 SQ FT

CHAPTER 3
OCCUPANCY GROUP: F-2, LOW HAZARD FACTORY INDUSTRIAL
OCCUPANCY GROUP: B, BUSINESS
OCCUPANCY GROUP: S-2, LOW HAZARD STORAGE

CHAPTER 5

| | | |
|---|------------------------|--------------------------|
| ALLOWABLE BUILDING HEIGHT: | ACTUAL 36.5 FT | ALLOWED 75 FT |
| ALLOWABLE STORIES: | 1 | 4 |
| ALLOWABLE AREA: | | |
| OCCUPANCY F-2 TABLE 506.2 = 92,000 SQ FT | | |
| 506.3.3 AMOUNT INCREASE: | | |
| IF = [F/P - 0.25]W/30 | | |
| PERIMETER: 880 FT | | |
| FRONTAGE: 880 FT | | |
| WIDTH: 30 FT | | |
| IF = (880/880 - 0.25)30/30 = 0.75 | | |
| Aa = [At + (Ns x If)] | | |
| Aa = [92,000 + (23,000 x 0.75)] = 109,250 SQ FT | | |
| | ACTUAL 45,555 SQ FT | ALLOWED 109,250 SQ FT |

ALLOWABLE AREA DETERMINED BY IBC 508.3 NONSEPARATED OCCUPANCIES

CHAPTER 6
CONSTRUCTION TYPE: IIB
TABLE 601:

| BUILDING ELEMENTS | MIN HOURS |
|---------------------------------|-----------|
| PRIMARY STRUCTURAL FRAME | 0 |
| BEARING WALLS | |
| EXTERIOR | 0 |
| INTERIOR | 0 |
| NONBEARING WALLS AND PARTITIONS | |
| EXTERIOR | 0 |
| INTERIOR | 0 |
| FLOOR CONSTRUCTION | 0 |
| ROOF CONSTRUCTION | 0 |

CHAPTER 9
BUILDING IS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER PER NFPA 13

CHAPTER 10
OCCUPANT LOAD
FIRST FLOOR OCCUPANCY B: 194 OCC
FIRST FLOOR OCCUPANCY F-2: 71 OCC
MEZZANINE S-2: 3 OCC
TOTAL OCCUPANT LOAD: 268 OCC

EXIT ACCESS:

| | | |
|---|--------------------|-------------|
| TABLE 1006.2.1 COMMON PATH OF EGRESS TRAVEL | F-2, S-2 100 FT | B 100 FT |
| TABLE 10017.2 EXIT ACCESS TRAVEL DISTANCE | 400 FT | 300 FT |

CHAPTER 29
PLUMBING FIXTURES REQUIRED
OCCUPANCY B
194 / 2 = 97 MEN AND 97 WOMEN
97 / 1 PER 25 FIRST 50 THEN 1 PER 50 = 2.94 WATER CLOSETS FOR MEN
97 / 1 PER 25 FIRST 50 THEN 1 PER 50 = 2.94 WATER CLOSETS FOR WOMEN
97 / 1 PER 40 FIRST 80 THEN 1 PER 80 = 2.21 LAVATORIES FOR MEN
97 / 1 PER 40 FIRST 80 THEN 1 PER 80 = 2.21 LAVATORIES FOR WOMEN
197 / 100 = 1.97 DRINKING FOUNTAINS

OCCUPANCY F-2
71 / 2 = 36 MEN AND 36 WOMEN
36 / 100 = 0.36 WATER CLOSETS FOR MEN
36 / 100 = 0.36 WATER CLOSETS FOR WOMEN
36 / 100 = 0.36 LAVATORIES FOR MEN
36 / 100 = 0.36 LAVATORIES FOR WOMEN
71 / 1,000 = 0.07 DRINKING FOUNTAINS

OCCUPANCY S-2
3 / 2 = 2 MEN AND 2 WOMEN
2 / 100 = 0.02 WATER CLOSETS FOR MEN
2 / 100 = 0.02 WATER CLOSETS FOR WOMEN
2 / 100 = 0.02 LAVATORIES FOR MEN
2 / 100 = 0.02 LAVATORIES FOR WOMEN
3 / 1,000 = 0.01 DRINKING FOUNTAINS

TOTAL PLUMBING FIXTURES REQUIRED
3.32 (4) WATER CLOSETS FOR MEN
3.32 (4) WATER CLOSETS FOR WOMEN
2.59 (3) LAVATORIES FOR MEN
2.59 (3) LAVATORIES FOR WOMEN
2.05 (3) DRINKING FOUNTAINS

PLUMBING FIXTURE PROVIDED
(5) WATER CLOSETS FOR WOMEN
(3) LAVATORIES FOR WOMEN
(4) WATER CLOSETS FOR MEN
(3) LAVATORIES FOR MEN
(1) UNISEX WATER CLOSET
(1) UNISEX LAVATORIES
(2) HI/LOW DRINKING FOUNTAIN (BOTTLED WATER ALSO PROVIDED)
(1) SERVICE SINK



OUR REPUTATION IS BUILDING

CONSTRUCTION SERVICES
2000 PROFIT PLACE
DEPERE, WI 54115
PHONE: (920) 240-1000
EMAIL: INFO@SMET.COM

SMET CONSTRUCTION SERVICE CORP.
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PROJECT INFO:

MASSMAN
CORPORATE INC.

CODE DATA

DRAWN BY:
Author

SALES:

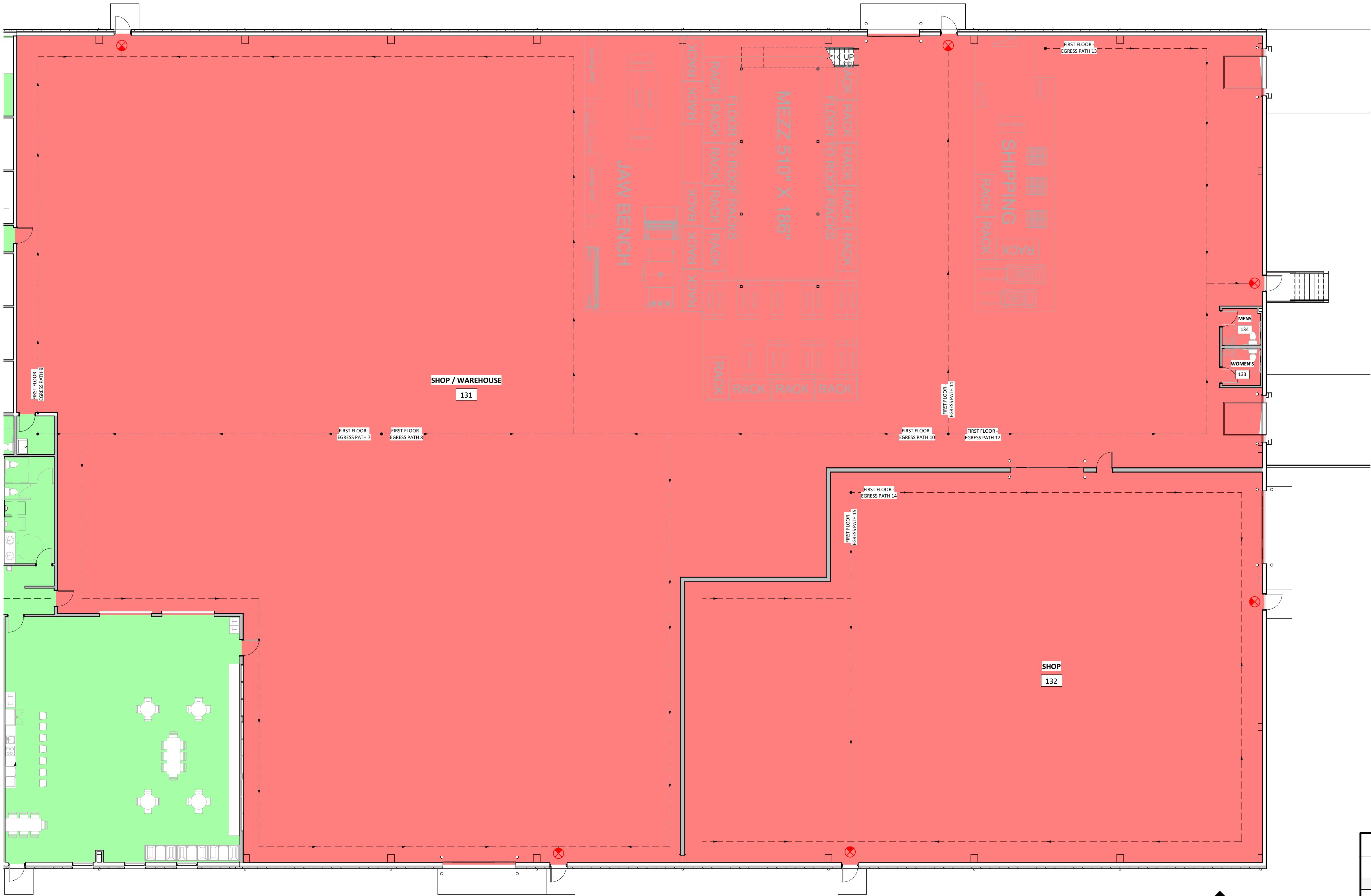
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G1.2

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SCALE: As indicated



CODE DATA - SHOP
1 / G1.3 SCALE = 3/32" = 1'-0"



| CODE DATA PLAN KEY | |
|--------------------|------------------------|
| | EXIT |
| | ELEVATOR |
| F.E. | FIRE EXTINGUISHER |
| | 1-HR FIRE BARRIER/WALL |
| | 2-HR FIRE BARRIER/WALL |
| | 3-HR FIRE BARRIER/WALL |

| OCCUPANCY CLASSIFICATION | |
|--------------------------|------------------------------------|
| | F-2, LOW-HAZARD FACTORY INDUSTRIAL |
| | B, BUSINESS |

| EGRESS PATH SCHEDULE | | | |
|------------------------------|-----------------|-------------|----------|
| MARK | TRAVEL DISTANCE | CLEAR WIDTH | COMMENTS |
| FIRST FLOOR - EGRESS PATH 1 | 49' | | |
| FIRST FLOOR - EGRESS PATH 2 | 90' | | |
| FIRST FLOOR - EGRESS PATH 3 | 63' | | |
| FIRST FLOOR - EGRESS PATH 4 | 70' | | |
| FIRST FLOOR - EGRESS PATH 5 | 77' | | |
| FIRST FLOOR - EGRESS PATH 6 | 170' | | |
| FIRST FLOOR - EGRESS PATH 7 | 233' | | |
| FIRST FLOOR - EGRESS PATH 8 | 208' | | |
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| FIRST FLOOR - EGRESS PATH 12 | 91' | | |
| FIRST FLOOR - EGRESS PATH 13 | 88' | | |
| FIRST FLOOR - EGRESS PATH 14 | 103' | | |
| FIRST FLOOR - EGRESS PATH 15 | 73' | | |

| FIRST FLOOR OCCUPANCY F-2 | | | | | |
|---------------------------|------------------|----------|-------------------|-------------|----------|
| ROOM NUMBER | ROOM NAME | AREA | FUNCTION OF SPACE | OCC. FACTOR | CAPACITY |
| 131 | SHOP / WAREHOUSE | 27549 SF | WAREHOUSE | 500 SF | 55 |
| 132 | SHOP | 7718 SF | WAREHOUSE | 500 SF | 15 |
| 133 | WOMEN'S | 52 SF | RESTROOM | 0 SF | |
| 134 | MENS | 52 SF | RESTROOM | 0 SF | |
| 35370 SF | | | | | 71 |

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CONSTRUCTION SERVICES
2000 PROFIT PLACE
DEPERE, WI 54115
PHONE: 920.526.8287
EMAIL: INFO@SMET.COM

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| REVISIONS | | | | | | | |
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PROJECT INFO:

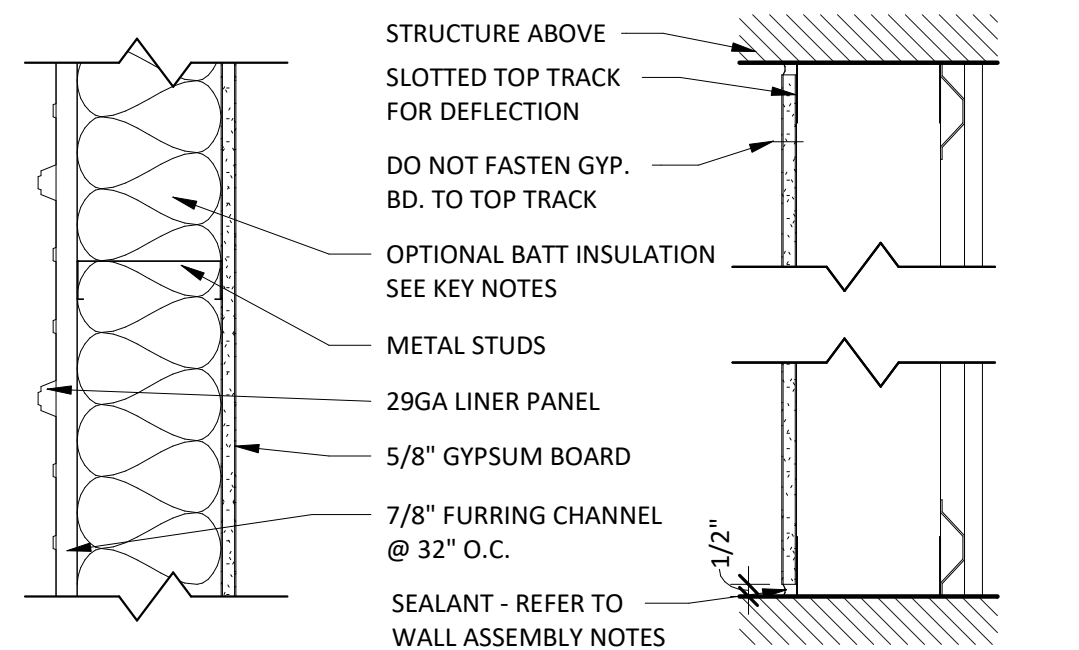
MASSMAN CORPORATE INC.

CODE DATA

| | |
|---------------------|----------------|
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| SMET NO.: 22106 | SHEET: G1.3 |
| ARCHT. NO.: | |

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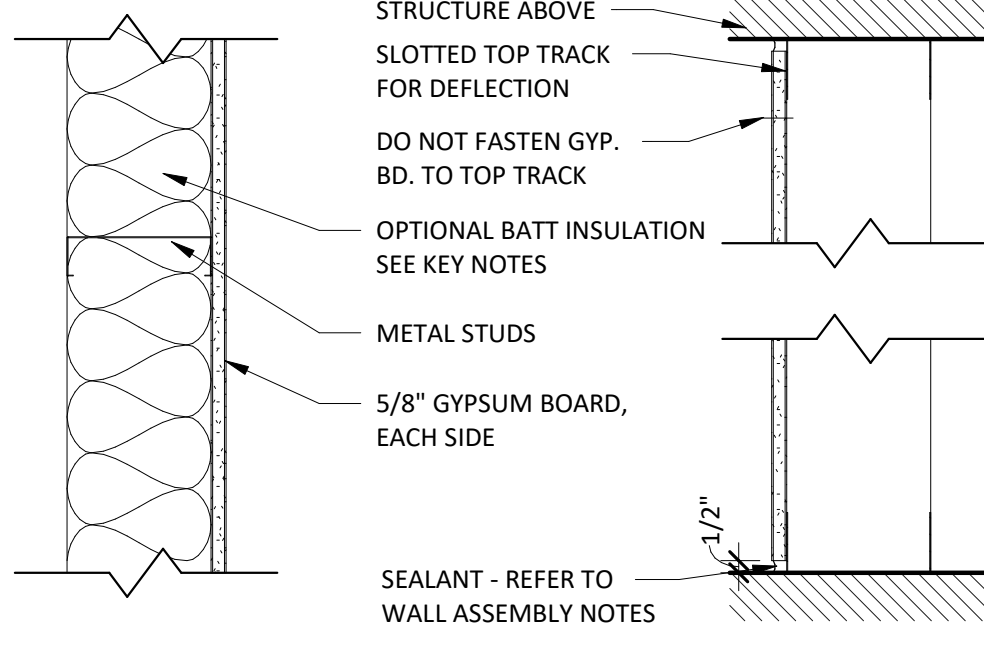
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| WALL TYPE | STUD DESIGNATION | SPACING | | KEY NOTES |
|-----------|------------------|----------|--|-----------|
| D.1 | 358S162-30 | 16" O.C. | | 1,2,3 |
| D.2 | 600S162-54 | 16" O.C. | | 1,2,3 |

WALL TYPE D - (METAL STUD PARTITION)

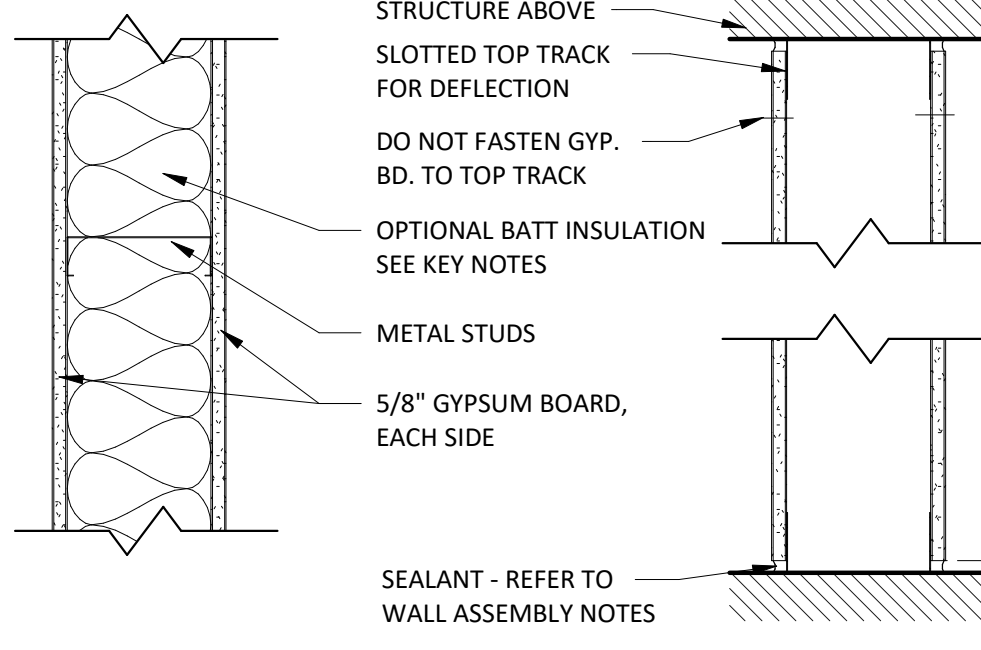
4 /A0.1 SCALE = 1 1/2" = 1'-0"



| WALL TYPE | STUD DESIGNATION | SPACING | MAX HEIGHT (5PSF, L/240) | KEY NOTES |
|-----------|------------------|----------|--------------------------|-----------|
| C.1 | 150S162-30 | 16" O.C. | 10' - 0" | 1,2,3 |
| C.2 | 362S162-30 | 16" O.C. | 15' - 0" | 1,2,3 |
| C.3 | 600S162-30 | 16" O.C. | 23' - 0" | 1,2,3 |

WALL TYPE C - (METAL STUD PARTITION)

3 /A0.1 SCALE = 1 1/2" = 1'-0"



| WALL TYPE | STUD DESIGNATION | SPACING | MAX HEIGHT (5PSF, L/240) | KEY NOTES |
|-----------|------------------|----------|--------------------------|-----------|
| B.1 | 150S162-30 | 16" O.C. | 10' - 0" | 1,2,3 |
| B.2 | 362S162-30 | 16" O.C. | 15' - 0" | 1,2,3 |
| B.3 | 600S162-30 | 16" O.C. | 23' - 0" | 1,2,3 |

WALL TYPE B - (METAL STUD PARTITION)

2 /A0.1 SCALE = 1 1/2" = 1'-0"

- WALL ASSEMBLY KEY NOTES
1.

INCLUDE FIBERGLASS SOUND INSULATION
2.

INCLUDE PAINTABLE ACOUSTIC SEALANT AT WALL BASE AND TOP TERMINATIONS, TYPICAL BOTH SIDES OF WALL (WHERE APPLICABLE).
3.

PROVIDE 1" GAP FOR DEFLECTION ALLOWANCE BETWEEN WALL FINISH/SUBSTRATE AND STRUCTURE ABOVE. TYPICAL UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS.

- GENERAL WALL ASSEMBLY NOTES
- A.

LIGHT GAUGE STEEL FRAMING MEMBER DESIGNATION SYSTEM:

362S162-30
MINIMUM BASE METAL THICKNESS IN MILS. (EXAMPLE - .030 = 30 MILS)
30 = 20 GAUGE DRYWALL
33 = 20 GAUGE
43 = 18 GAUGE
54 = 16 GAUGE
68 = 14 GAUGE
97 = 12 GAUGE

FLANGE WIDTH (1/100 INCHES) (EXAMPLE - 162 = 1.625")
STYLE: S = STUD OR JOIST SECTION (WITH FLANGE STIFFENERS) =
T = TRACK SECTION =
U = CHANNEL SECTION (STUDS WITHOUT FLANGE STIFFENERS) =
F = FURRING CHANNEL =
Z = ZEE SECTION =

MEMBER DEPTH (1/100 INCHES) (EXAMPLE - 362 = 3-5/8")
- B.

IN ALL WET AREAS SUCH AS SHOWERS AND TUBS, INSTALL CEMENT - BASED BACKER BEHIND AREAS SCHEDULED TO RECEIVE TILE FINISH.
- C.

ON ALL RESTROOM WALLS AND OTHER AREAS SCHEDULED TO RECEIVE FRP OR TILE FINISH, PROVIDE A MINIMUM OF MOISTURE-RESISTANT GYPSUM BOARD.
- D.

ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE SHALL BE INSULATED.
- E.

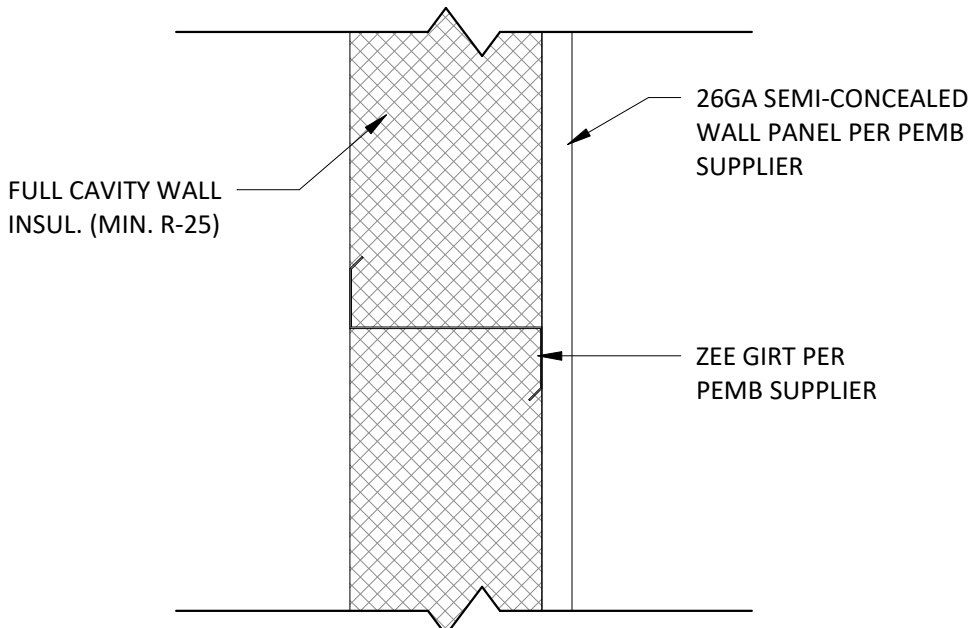
WHERE GYPSUM BOARD EXTENDS TO UNDERSIDE OF STRUCTURE ABOVE, STOP GYPSUM BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL AS REQUIRED.
- F.

REFERENCE FLOOR FINISH PLANS AND WALL FINISH PLANS FOR ADDITIONAL FINISHES NOT INDICATED ON PARTITION TYPES.
- G.

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF WALL PENETRATIONS. SEAL ALL OPENINGS WITH ACOUSTICAL SEALANT.
- H.

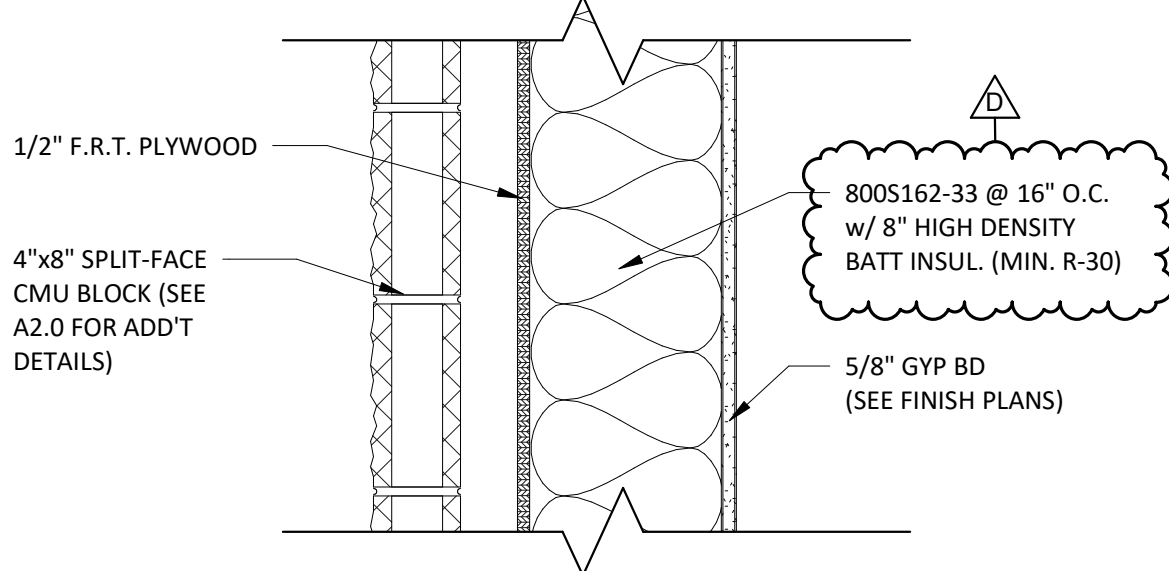
PROVIDE FIRE-TREATED WOOD OR STEEL BACKING FROM ALL WALL MOUNTED FINISH CARPENTRY, ARCHITECTURAL WOODWORK, TOILET PARTITIONS, ACCESSORIES AND OTHER SIMILAR ITEMS.
- I.

REFER TO STRUCTURAL DOCUMENTS FOR SHEAR WALL CRITERIA.



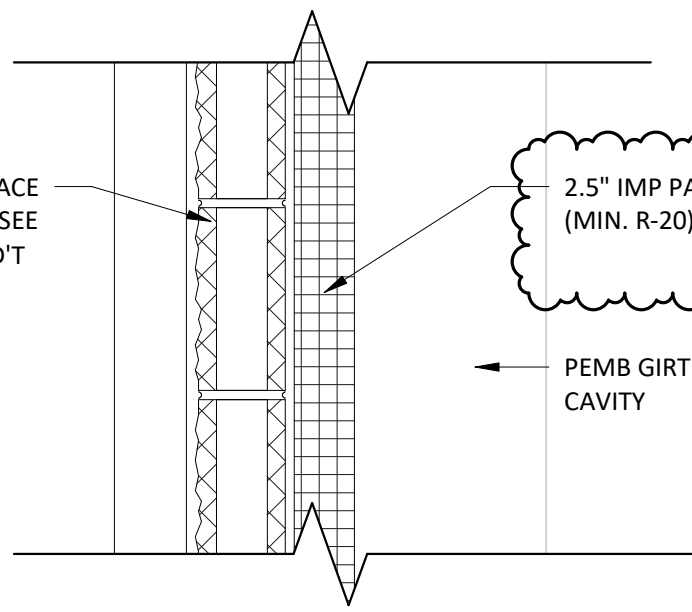
EXT. WALL - 4

8 /A0.1 SCALE = 1 1/2" = 1'-0"



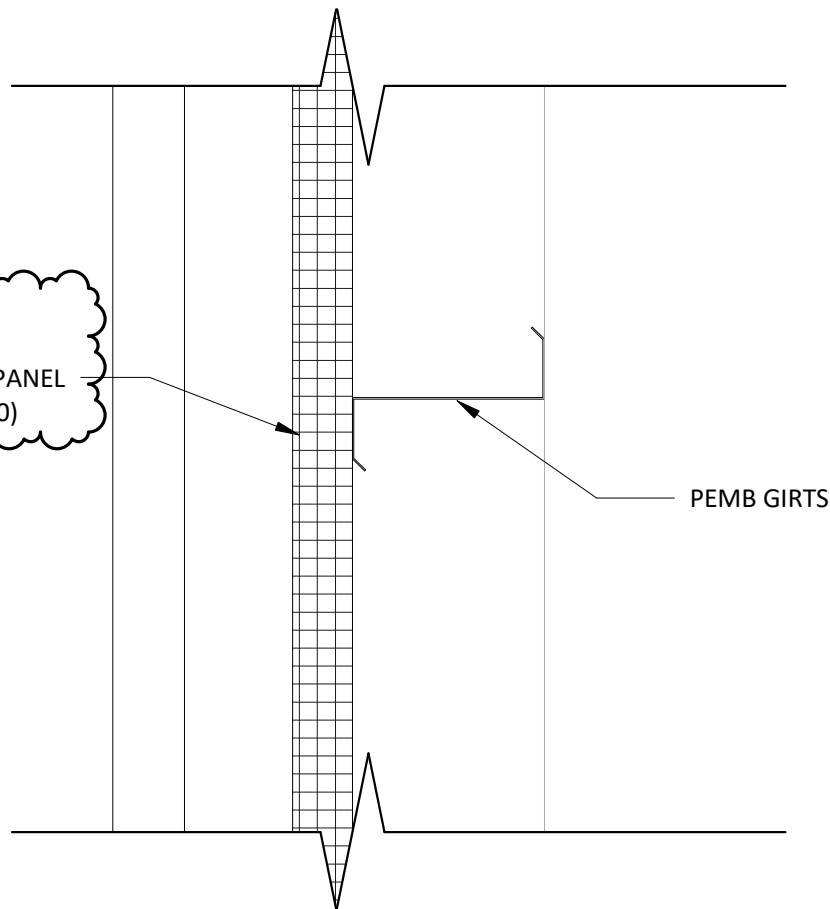
EXT. WALL - 3

7 /A0.1 SCALE = 1 1/2" = 1'-0"



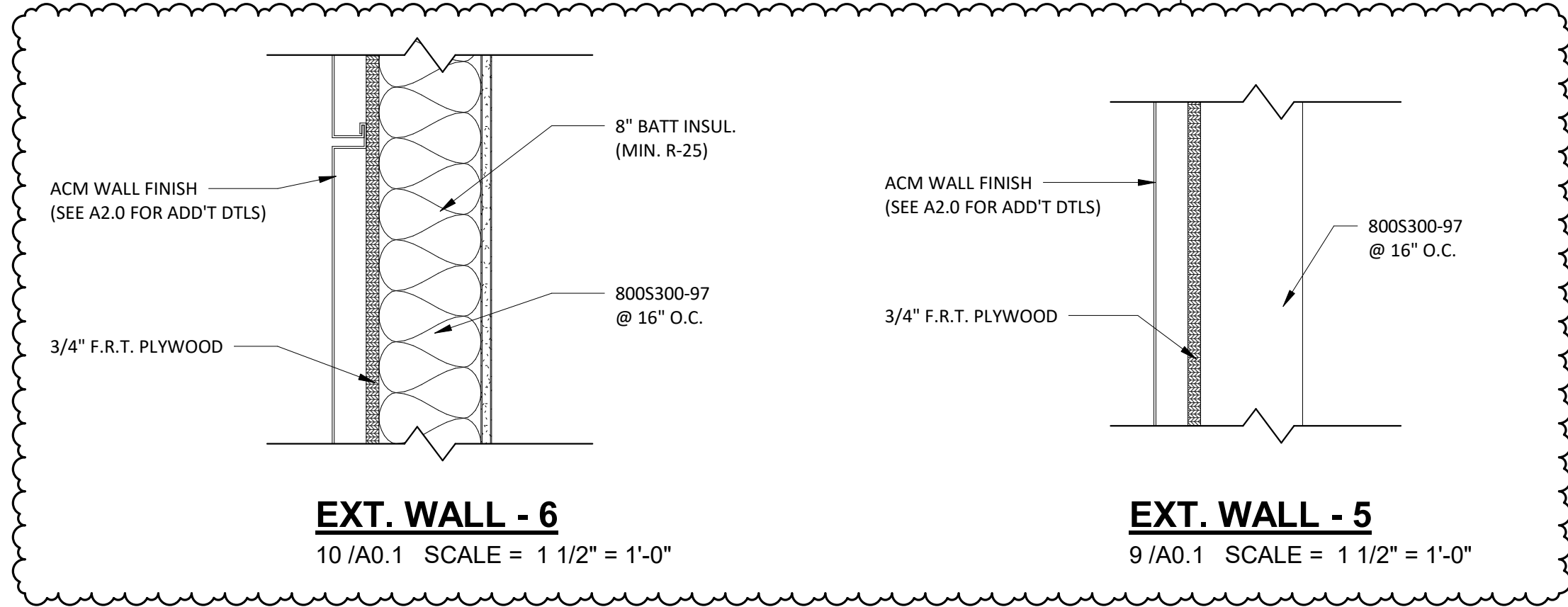
EXT. WALL - 2

6 /A0.1 SCALE = 1 1/2" = 1'-0"



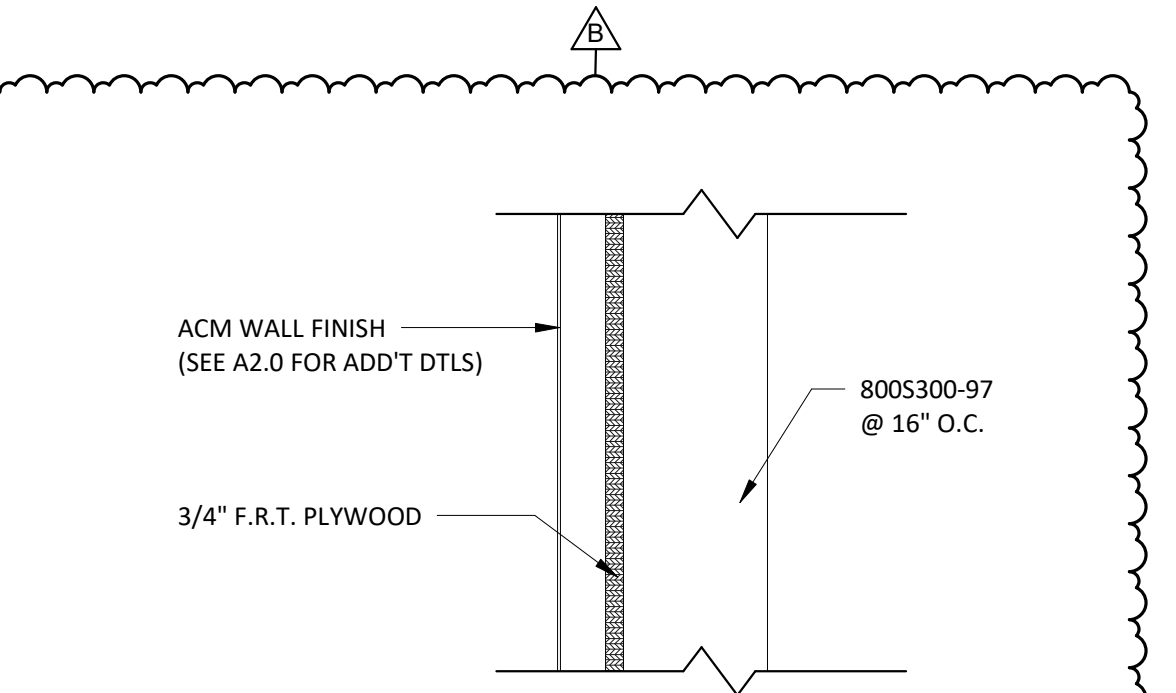
EXT. WALL - 1

5 /A0.1 SCALE = 1 1/2" = 1'-0"



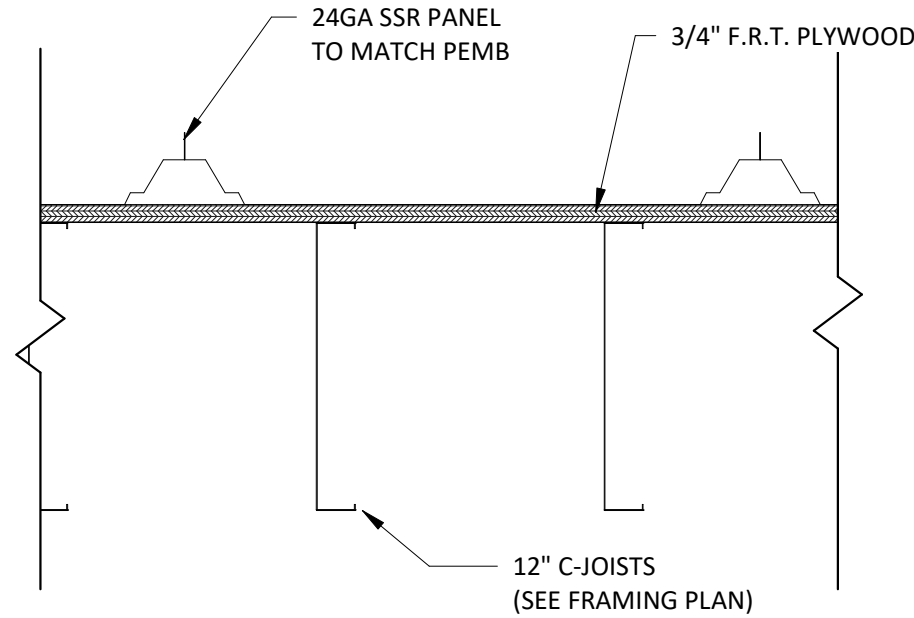
EXT. WALL - 6

10 /A0.1 SCALE = 1 1/2" = 1'-0"



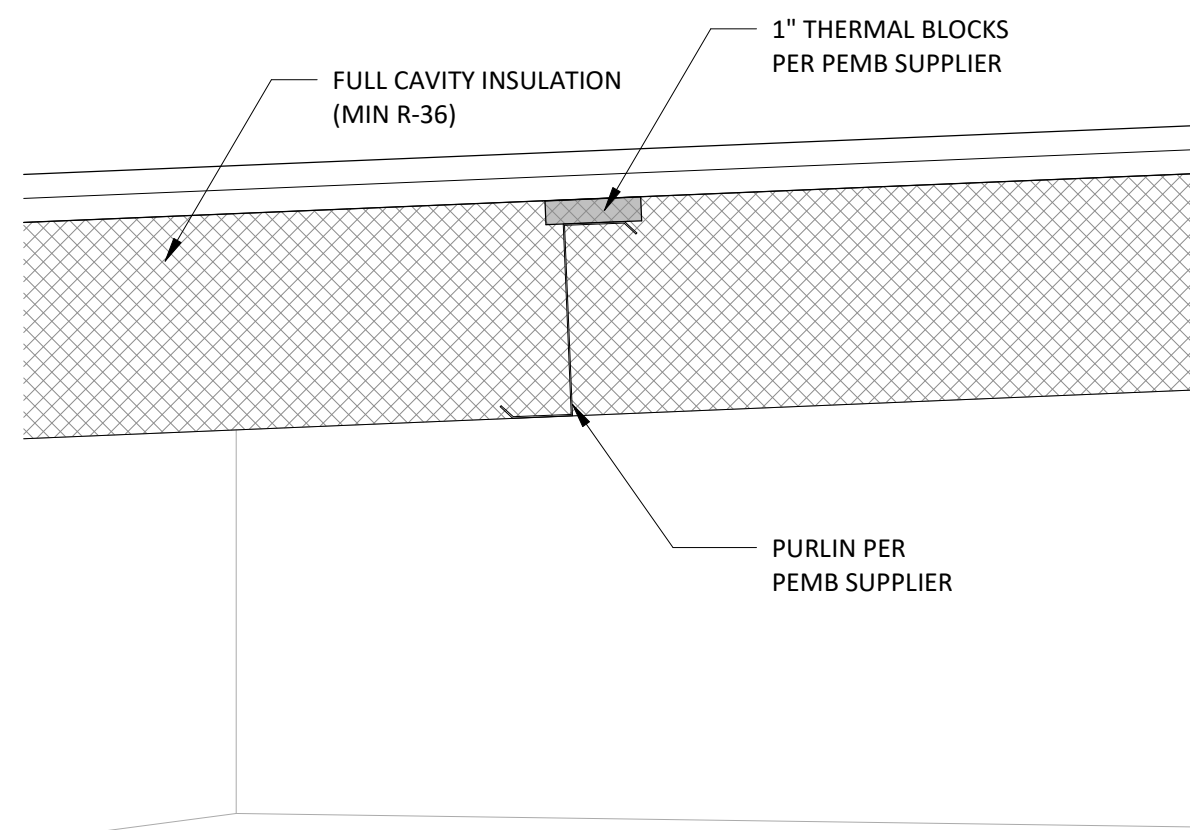
EXT. WALL - 5

9 /A0.1 SCALE = 1 1/2" = 1'-0"



ROOF - 2

12 /A0.1 SCALE = 1 1/2" = 1'-0"



ROOF - 1

11 /A0.1 SCALE = 1 1/2" = 1'-0"



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REVISIONS

| | ENTRY EXTERIOR FINISH | | | | | | |
|---|-----------------------|--|--|--|--|--|--|
| B | 04-10-24 | | | | | | |
| D | 04-29-24 | | | | | | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.

WALL / ROOF
TYPES

DRAWN BY:
Author

SMET NO.:
22106

ARCHT. NO.:

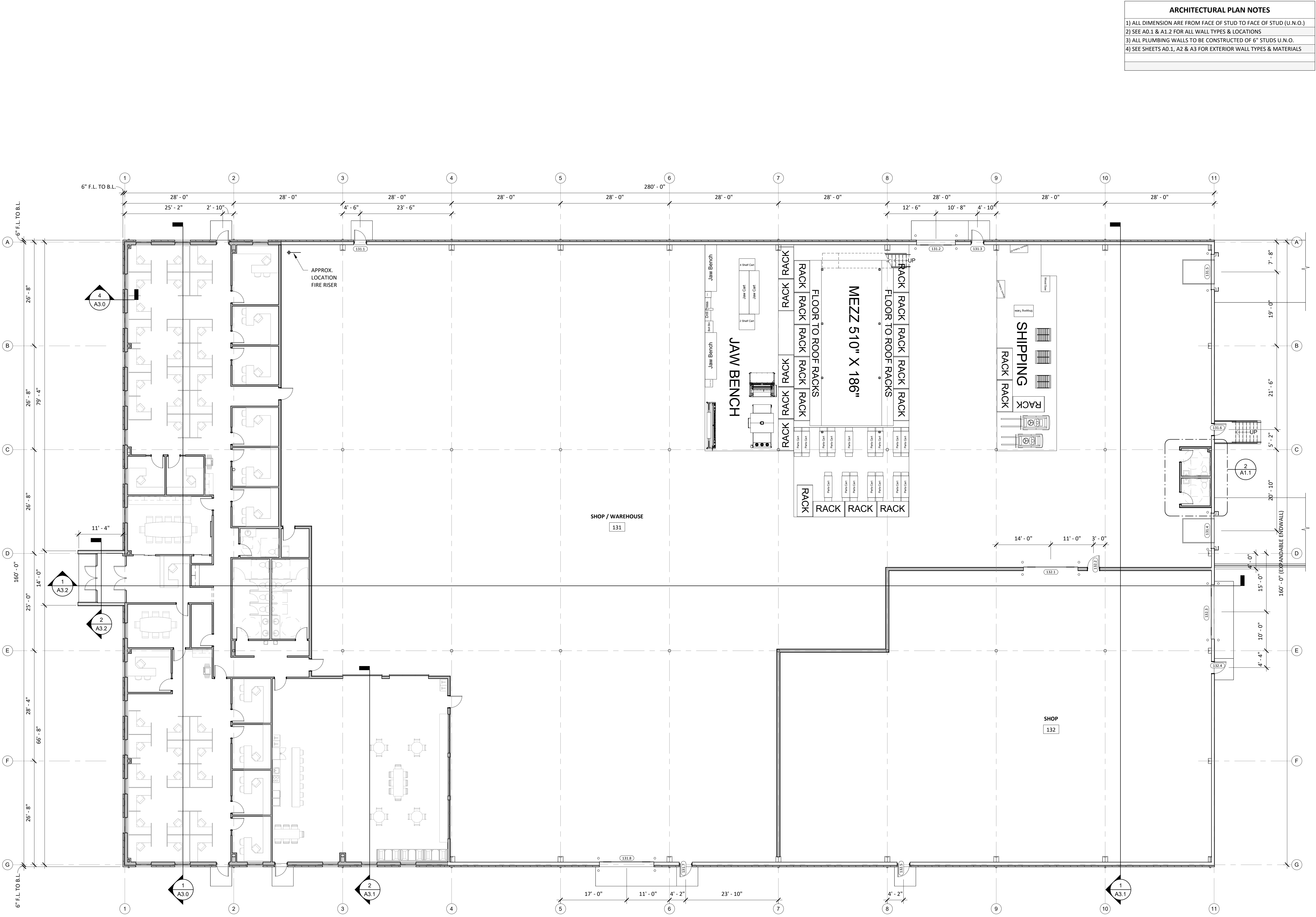
SALES:

SHEET:

A0.1

DATE: 4/30/2024 7:52:16 AM

SCALE: As indicated



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



- ARCHITECTURAL PLAN NOTES**
- 1) ALL DIMENSION ARE FROM FACE OF STUD TO FACE OF STUD (U.N.O.)
 - 2) SEE A0.1 & A1.2 FOR ALL WALL TYPES & LOCATIONS
 - 3) ALL PLUMBING WALLS TO BE CONSTRUCTED OF 6" STUDS U.N.O.
 - 4) SEE SHEETS A0.1, A2 & A3 FOR EXTERIOR WALL TYPES & MATERIALS



OUR REPUTATION IS BUILDING

CONSTRUCTION OFFICE
2000 PROFIT PLACE
DEPERE, WI 54115

PHONE: (920) 543-7878
FAX: (920) 543-7878
EMAIL: BUILD@SMET.COM

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DESIGN. BUILD. FINANCE.

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| REVISIONS | |
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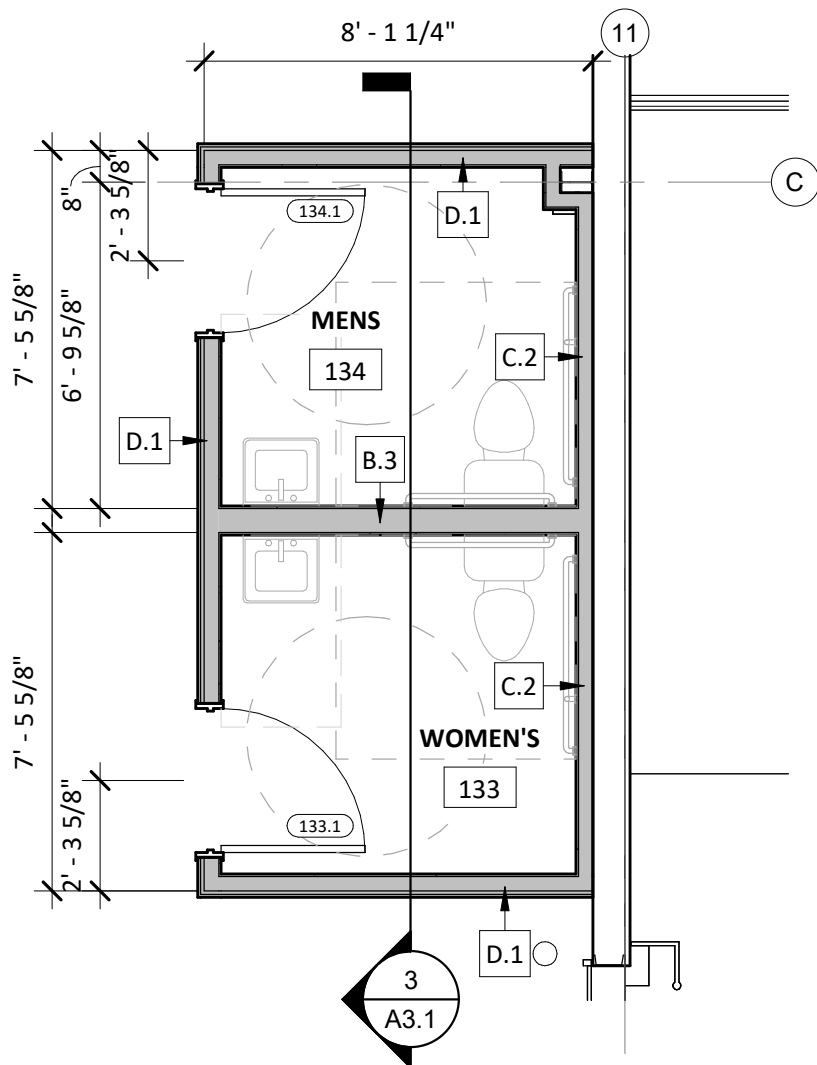
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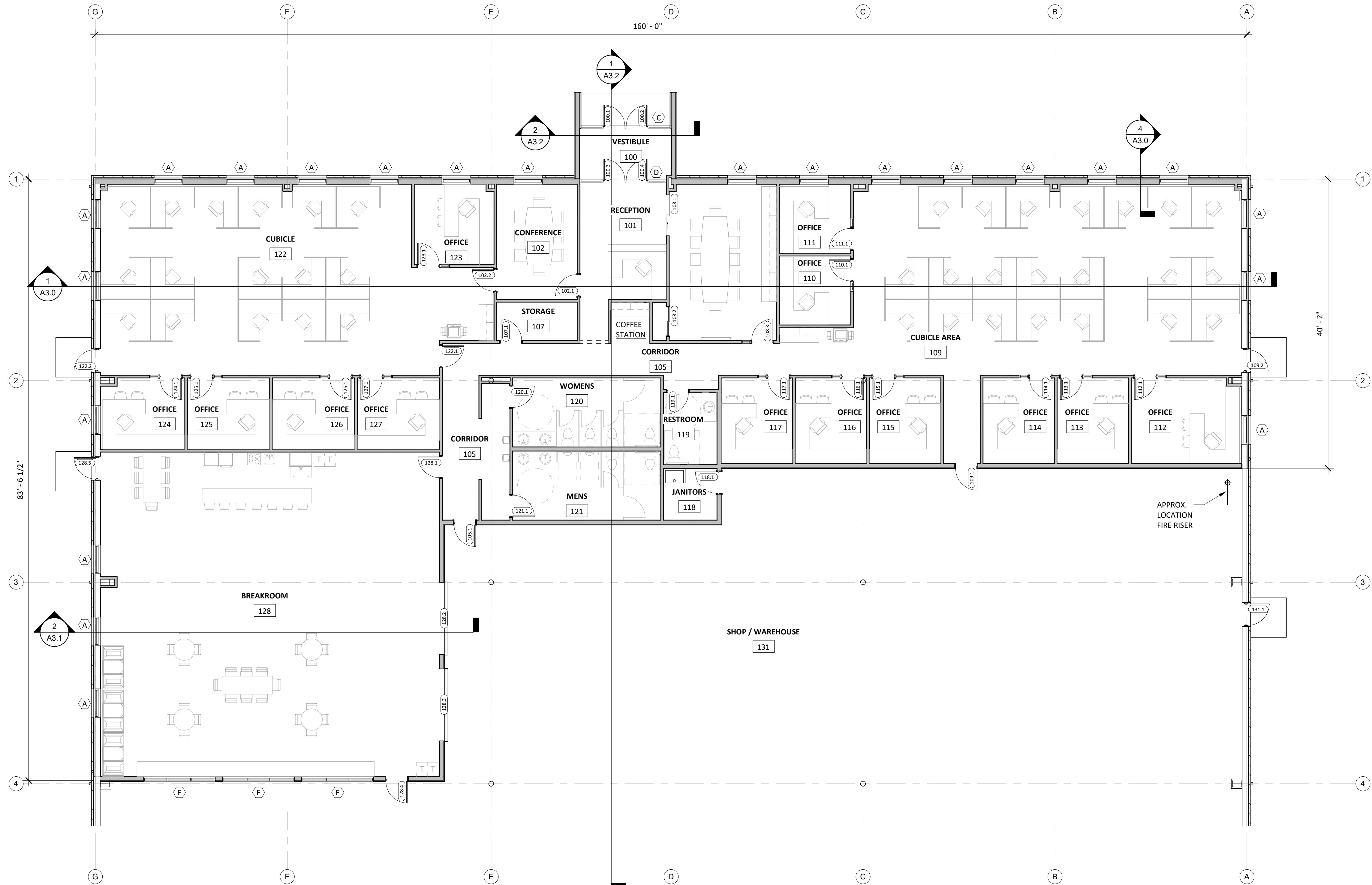
**MASSMAN
CORPORATE INC.**

**FLOOR PLAN -
PROPOSED**

| | |
|-----------------------------------|-----------------------|
| DRAWN BY: Author | SALES: |
| SMET NO.: 22106 | SHEET: A1.0 |
| ARCHT. NO.: | |
| DATE: 4/30/2024 7:52:18 AM | |
| SCALE: 3/32" = 1'-0" | |



FLOOR PLAN - DOCK RESTROOM
2 / A1.1 SCALE = 1/4" = 1'-0"



FLOOR PLAN - OFFICE AREA
1 / A1.1 SCALE = 1/8" = 1'-0"

| ARCHITECTURAL PLAN NOTES |
|---|
| 1) ALL DIMENSION ARE FROM FACE OF STUD TO FACE OF STUD (U.N.O.) |
| 2) SEE A0.1 & A1.2 FOR ALL WALL TYPES & LOCATIONS |
| 3) ALL PLUMBING WALLS TO BE CONSTRUCTED OF 6" STUDS U.N.O. |
| 4) SEE SHEETS A0.1, A2 & A3 FOR EXTERIOR WALL TYPES & MATERIALS |
| |
| |



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REVISIONS

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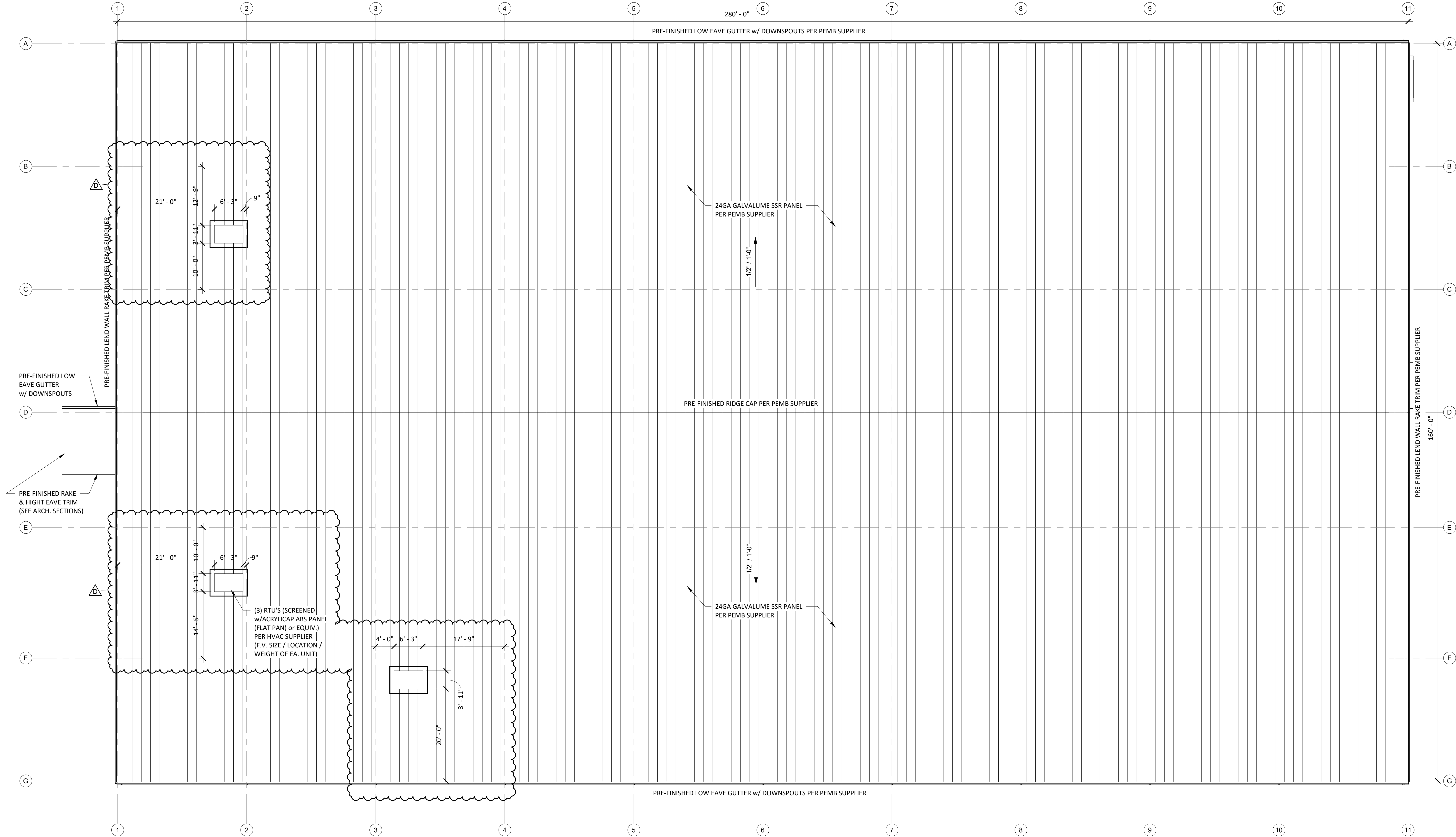
MASSMAN
CORPORATE INC.

FLOOR PLAN -
ENLARGED PLANS

| | |
|-------------|--------|
| DRAWN BY: | SALES: |
| Author | |
| SMET NO.: | SHEET: |
| 22106 | |
| ARCHT. NO.: | A1.1 |

DATE: 4/30/2024 7:52:19 AM

SCALE: As indicated



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



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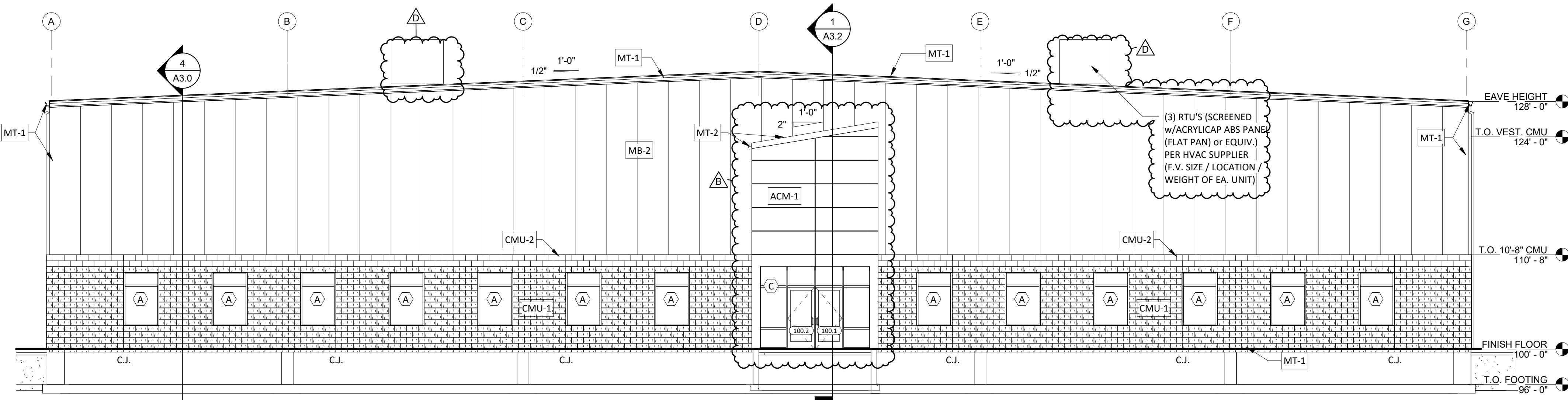
| REVISIONS | |
|-----------|------------------|
| D | R-VALUES / RTU'S |
| 04.29.24 | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.

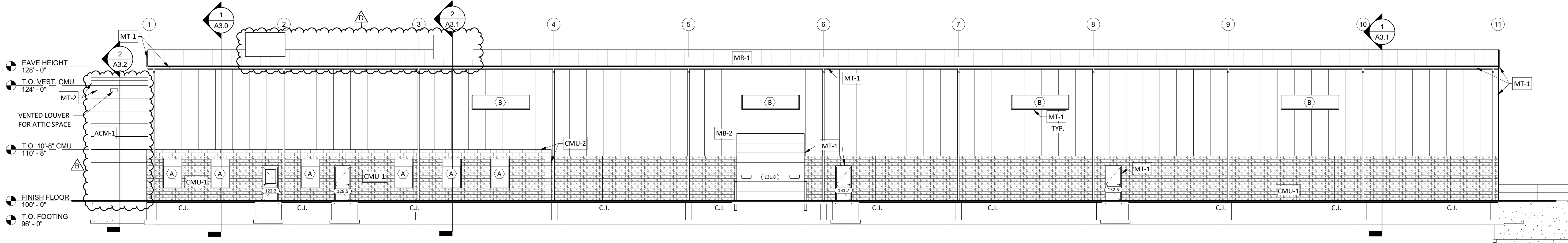
ROOF PLAN -
PROPOSED

| | |
|----------------------------|----------------|
| DRAWN BY: Author | SALES: |
| SMET NO.: 22106 | SHEET: A1.3 |
| ARCHT. NO.: | |
| DATE: 4/30/2024 7:52:21 AM | |
| SCALE: 3/32" = 1'-0" | |



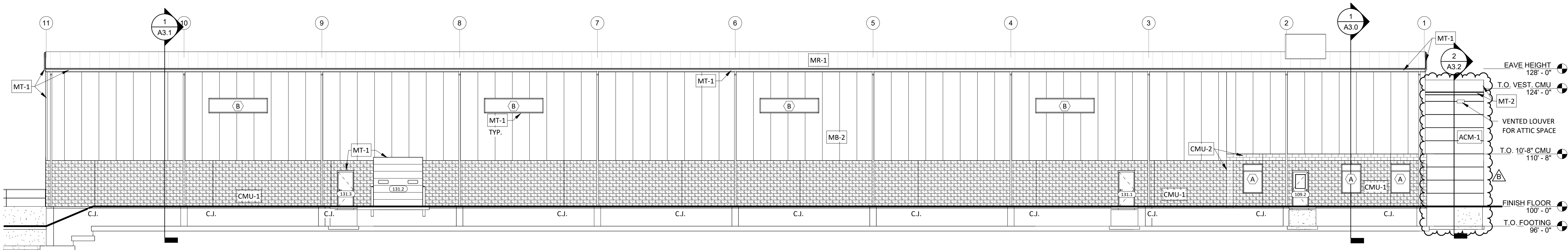
BUILDING ELEVATION - WEST

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



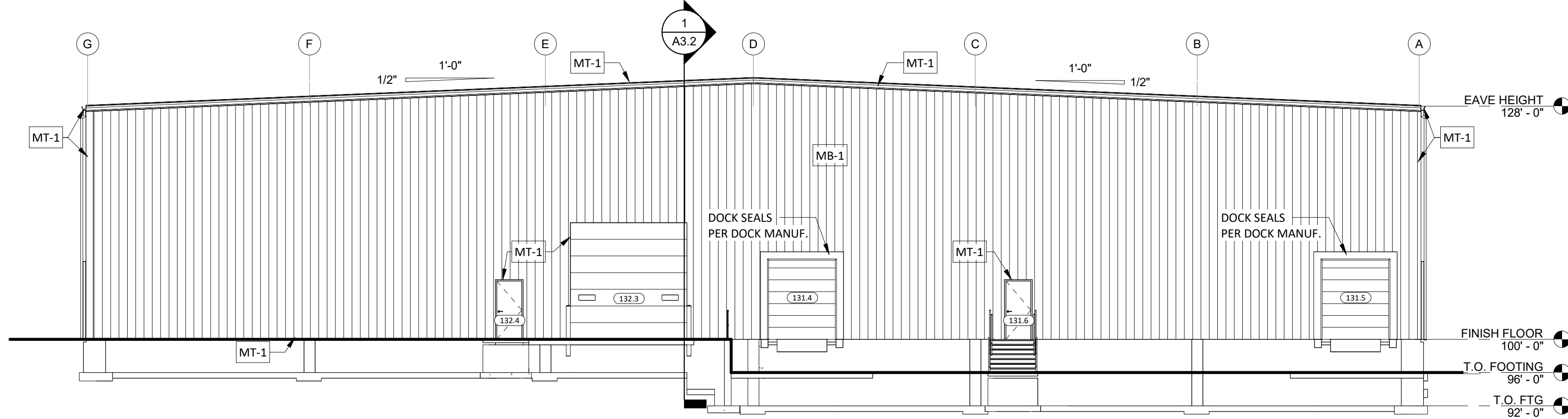
BUILDING ELEVATION - SOUTH

2 / A2.0 SCALE = 3/32" = 1'-0"



BUILDING ELEVATION - NORTH

3 / A2.0 SCALE = 3/32" = 1'-0"



BUILDING ELEVATION - EAST

4 / A2.0 SCALE = 3/32" = 1'-0"

| EXTERIOR FINISH LEGEND | | | | | |
|------------------------|-------|---------------------------------|------------------|----------------|-----------------|
| LOCATION | MARK | MATERIAL | SUPPLIER | COLOR | REMARKS |
| WALL | ACM-1 | ACM PANEL | ALUCOBOND | BRUSHED CARBON | ALUCOBOND PLUS |
| WALL | CMU-1 | 4" SPLIT-FACE CMU VENEER | COUNTY MATERIALS | BLACKENED ASH | 18-064A |
| WALL | CMU-2 | 4" SMOOTH-FACE CMU VENEER | COUNTY MATERIALS | VERIFY | PAINTED |
| WALL | MB-1 | 26GA CONCEALED FASTENER PANEL | MBCI | CHARCOAL GRAY | SHADOW RIB |
| WALL | MB-2 | 2.5" 24GA INSULATED METAL PANEL | AWIP | GRIZZLE GRAY | FLAT (FL40) |
| ROOF | MR-1 | 24GA SSR PANEL | WHIRLWIND | GALVALUME | SUPER SEAM PLUS |
| TRIMS | MT-1 | 26GA METAL | WHIRLWIND | BLACK | |
| TRIMS | MT-2 | 26GA METAL | WHIRLWIND | BLACK | VESTIBULE AREA |



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REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|-----------------------|
| 1 | 04.10.24 | ENTRY EXTERIOR FINISH |
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| 9 | | |
| 10 | | |
| 11 | | |

PROJECT INFO:

MASSMAN
CORPORATE INC.

ELEVATION -
EXTERIOR

DRAWN BY:

Author

SMET NO.:

22106

ARCHT. NO.:

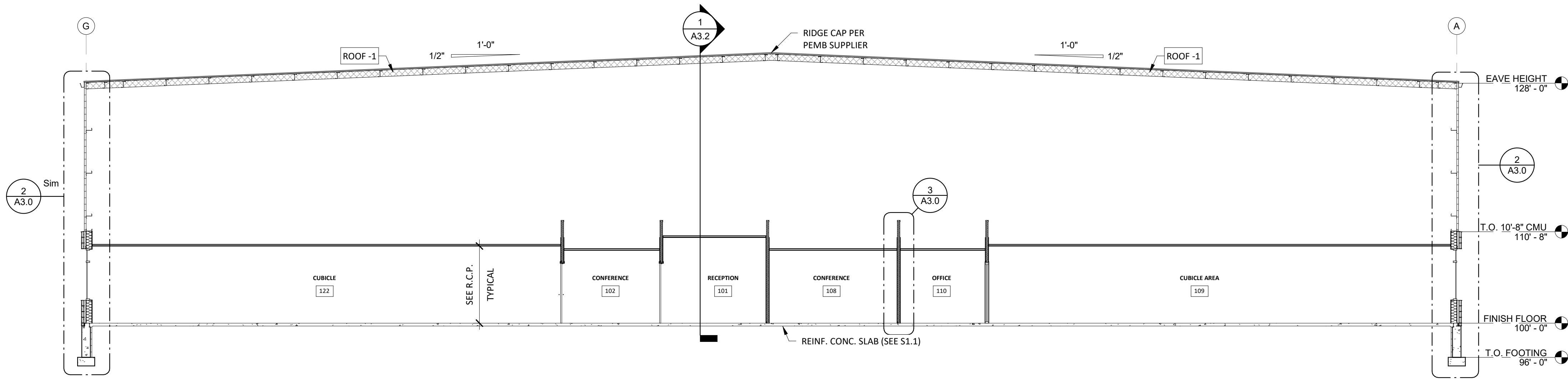
SALES:

SHEET:

A2.0

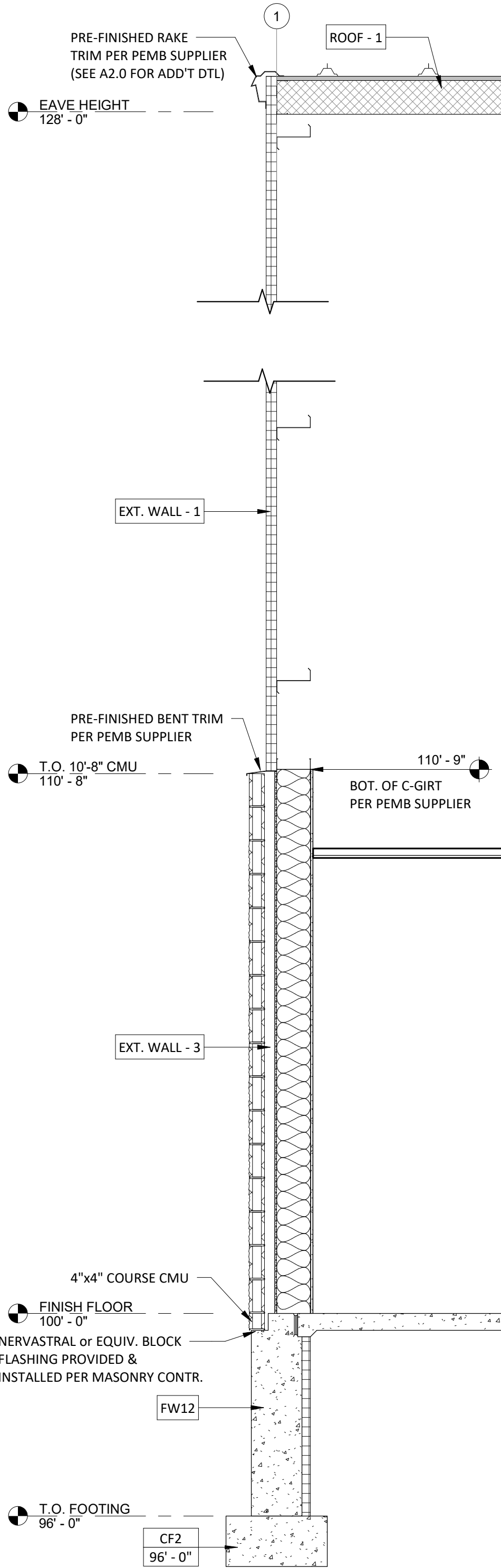
DATE: 4/30/2024 7:52:23 AM

SCALE: As indicated



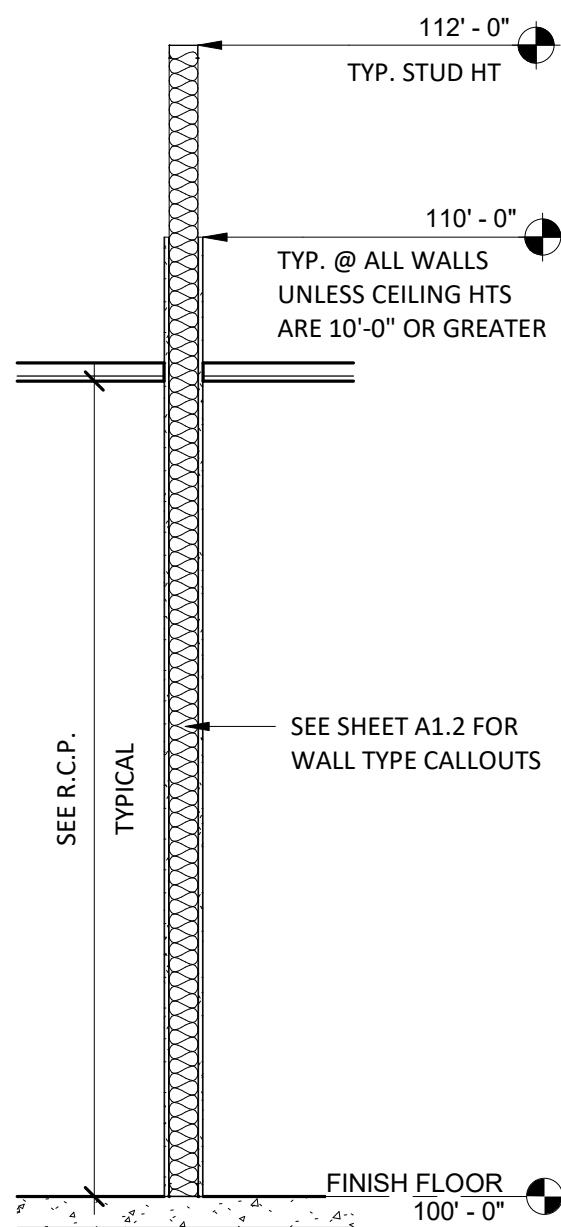
BUILDING SECTION - OFFICE AREA

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



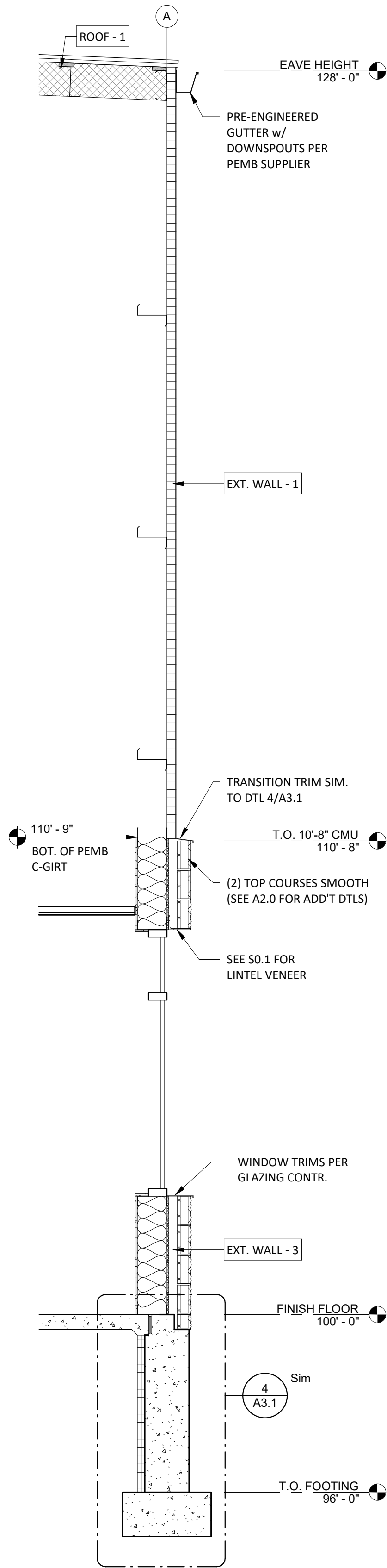
WALL SECTION - FRONT ENDWALL

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



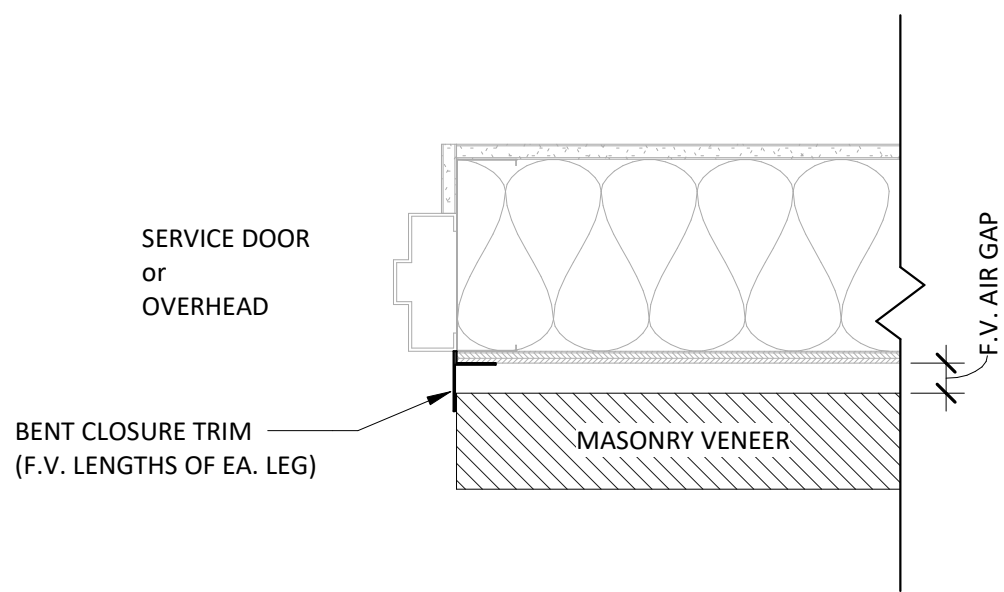
WALL SECTION - TYP. INTERIOR WALL

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



WALL SECTION - EXTERIOR OFFICE AREA

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



DOOR TRIM

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



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REVISIONS

PROJECT INFO:

MASSMAN
CORPORATE INC.

SECTIONS -
BUILDING

DRAWN BY:

Author

SMET NO.:

22106

ARCHT. NO.:

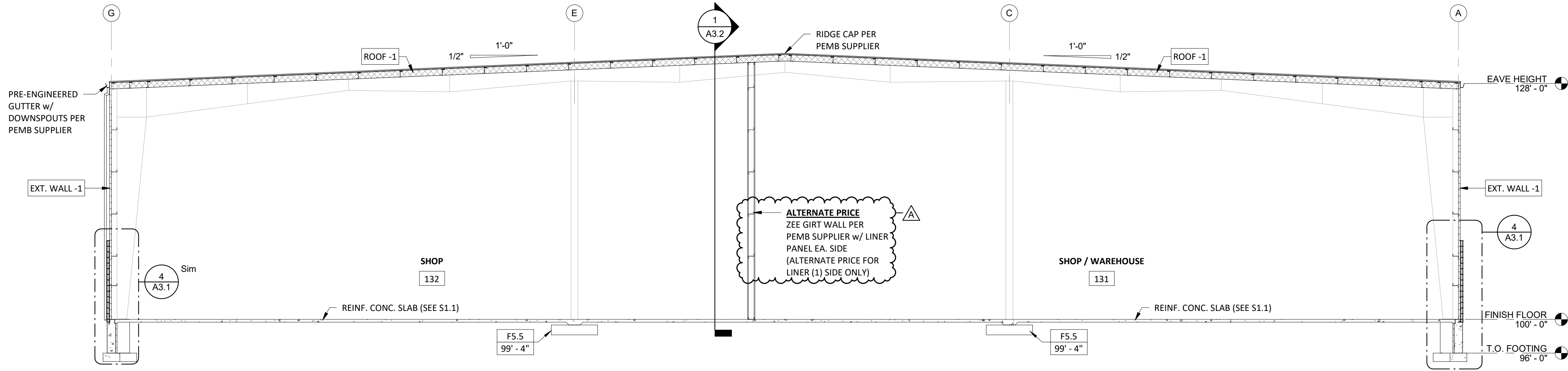
SALES:

SHEET:

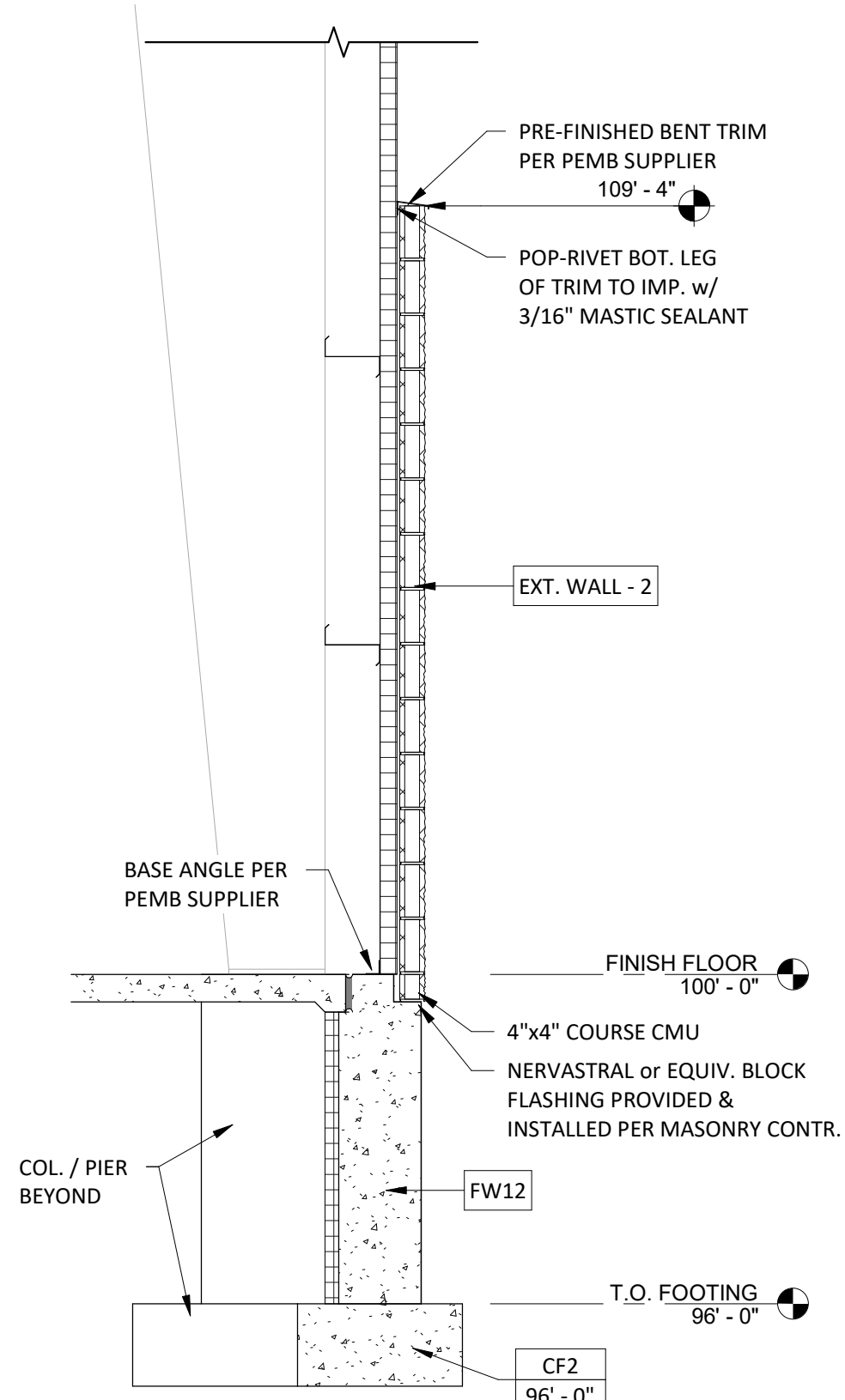
A3.0

DATE: 4/30/2024 7:52:23 AM

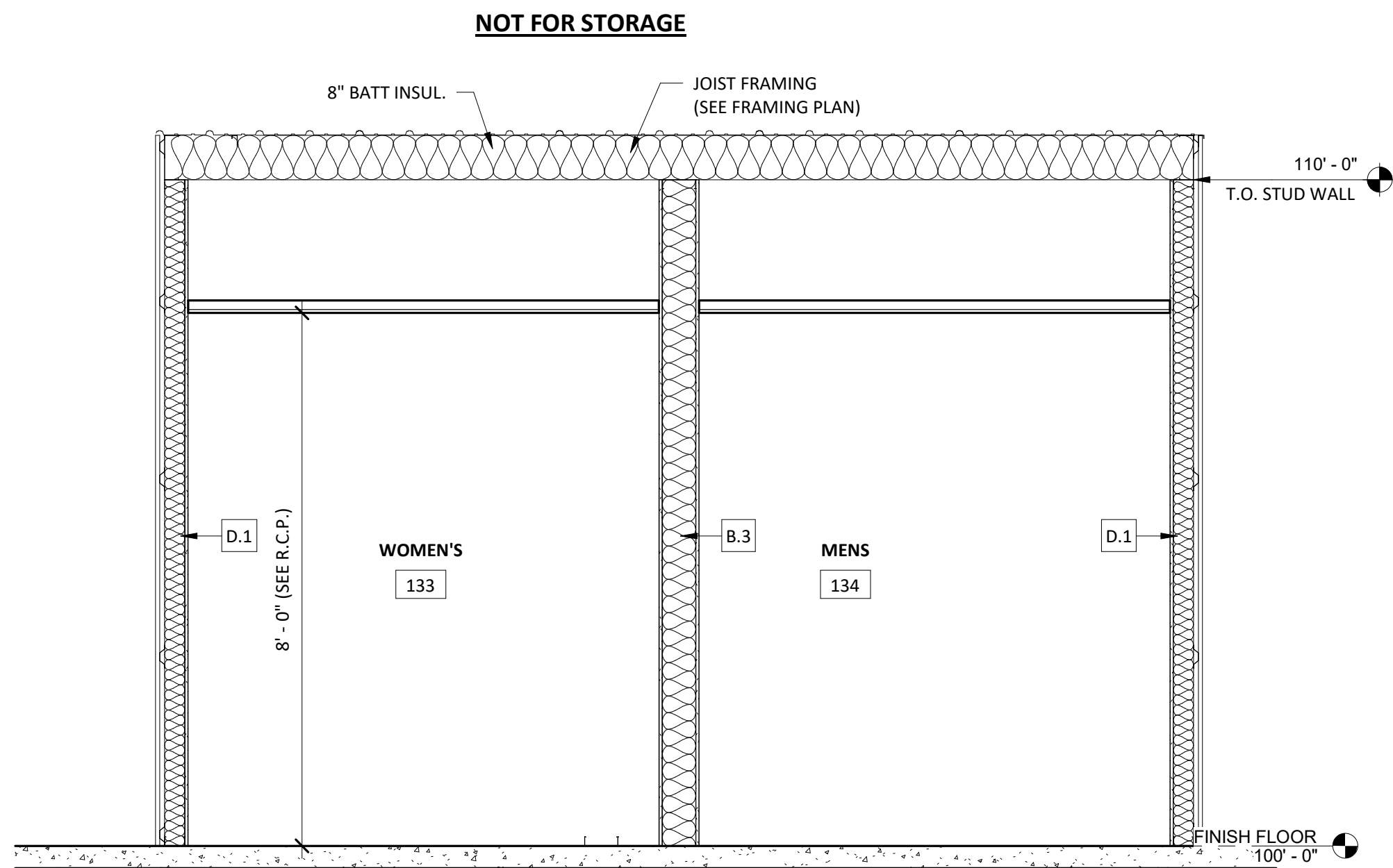
SCALE: As indicated



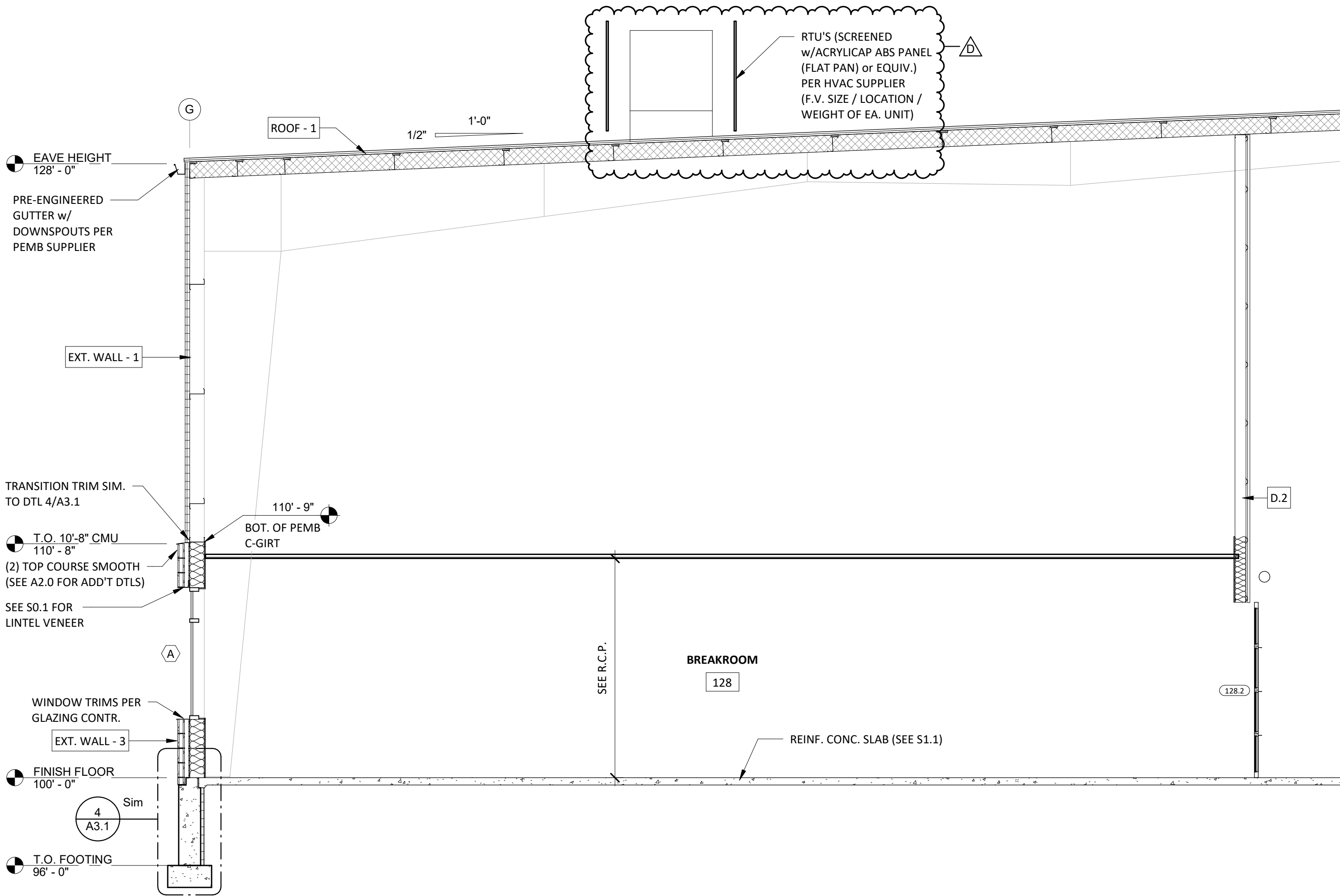
BUILDING SECTION - SHOP / WAREHOUSE
1 / A3.1 SCALE = 1/8" = 1'-0"



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



BUILDING SECTION - WAREHOUSE RESTROOMS
3 / A3.1 SCALE = 1/2" = 1'-0"



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



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CONSTRUCTION SERVICES
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REVISIONS

| | | FINISHES | |
|---|----------|------------------|--|
| A | 03.14.24 | R-VALUES / RTU'S | |
| D | 04.29.24 | | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.
SECTIONS -
BUILDING

DRAWN BY:
Author

SALES:

SMET NO.:
22106

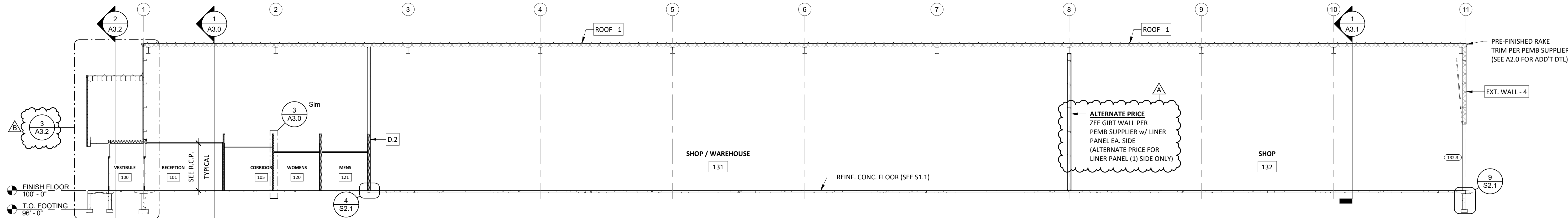
SHEET:

ARCHT. NO.:

A3.1

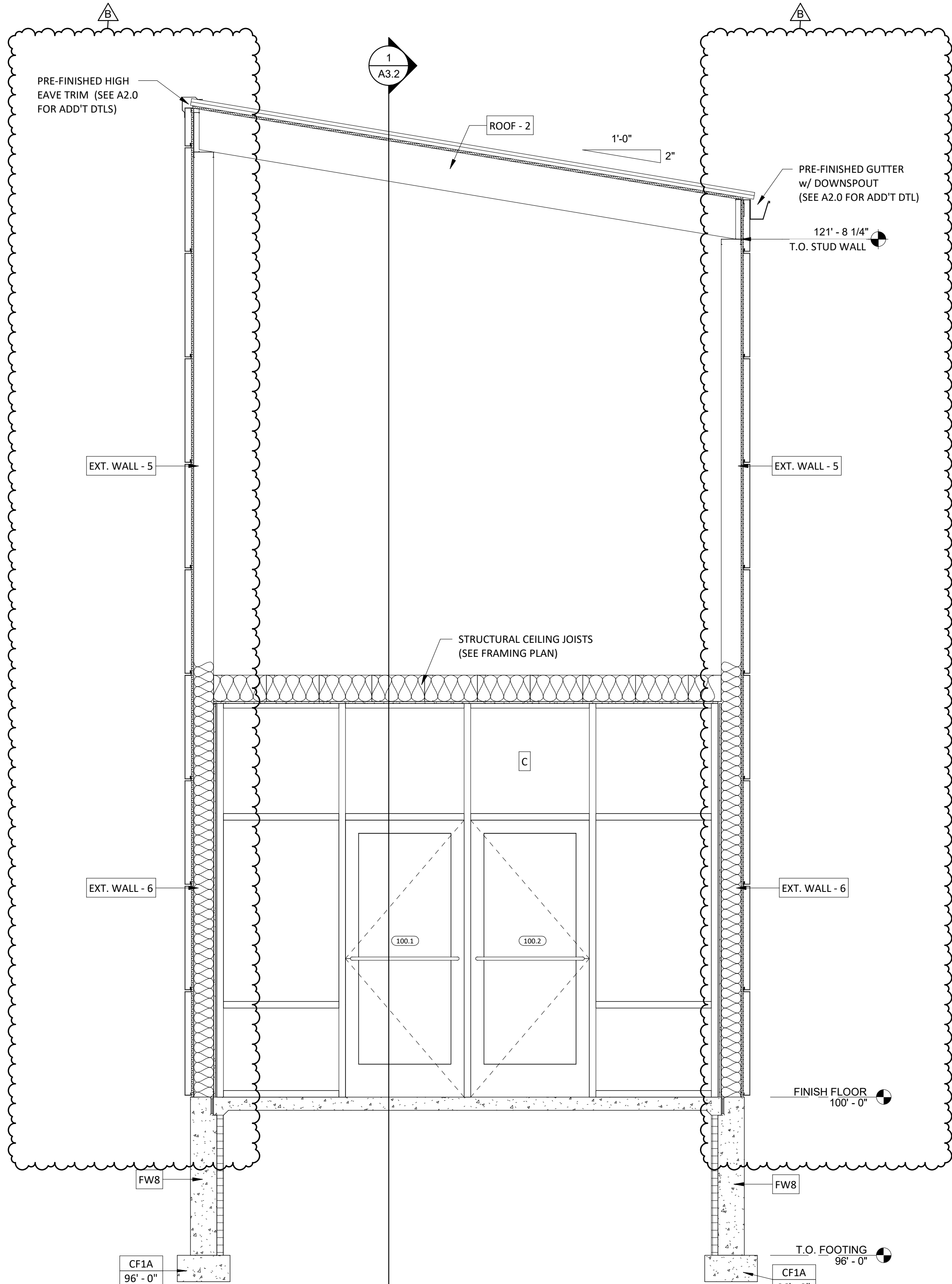
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SCALE: As indicated



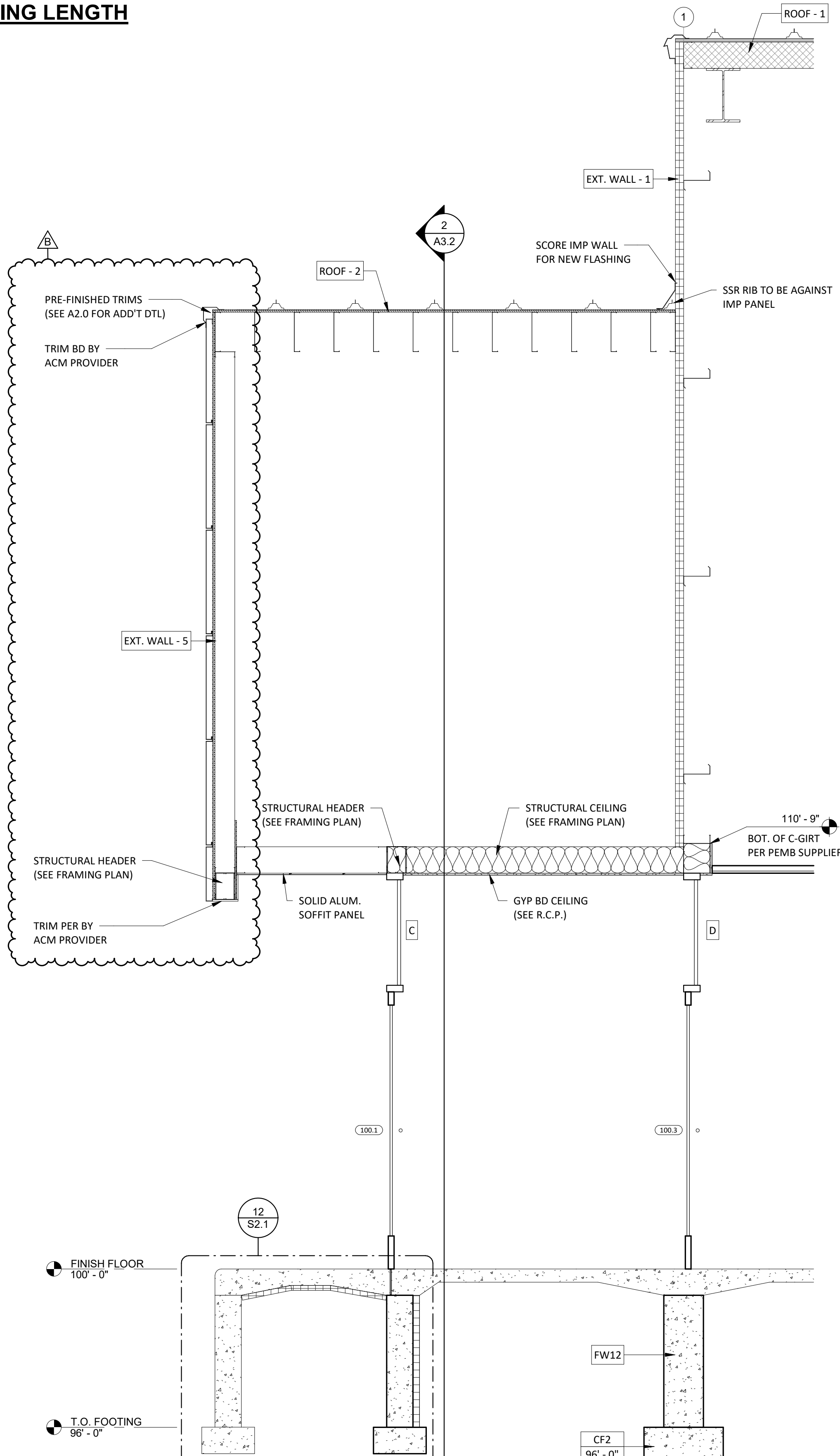
BUILDING SECTION - BUILDING LENGTH

1 /A3.2 SCALE = 3/32" = 1'-0"



BUILDING SECTION - ENTRY 'A'

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



BUILDING SECTION - ENTRY 'B'

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



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REVISIONS

| A | 03.14.24 | FINISHES | |
|---|----------|-----------------------|--|
| | | ENTRY EXTERIOR FINISH | |
| B | 04.10.24 | | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.

SECTIONS -
BUILDING

DRAWN BY:

Author

SMET NO.:

22106

ARCHT. NO.:

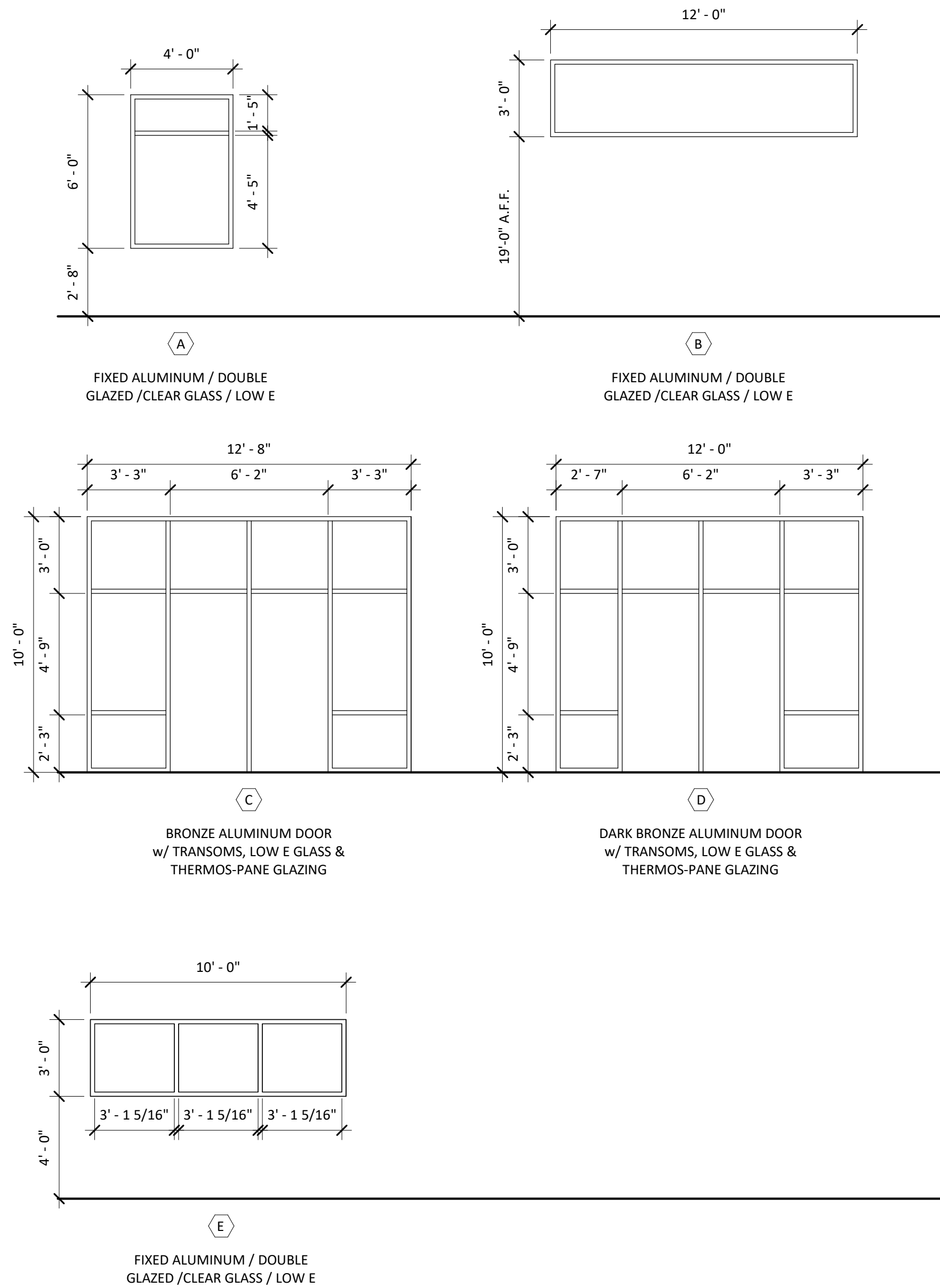
SALES:

SHEET:

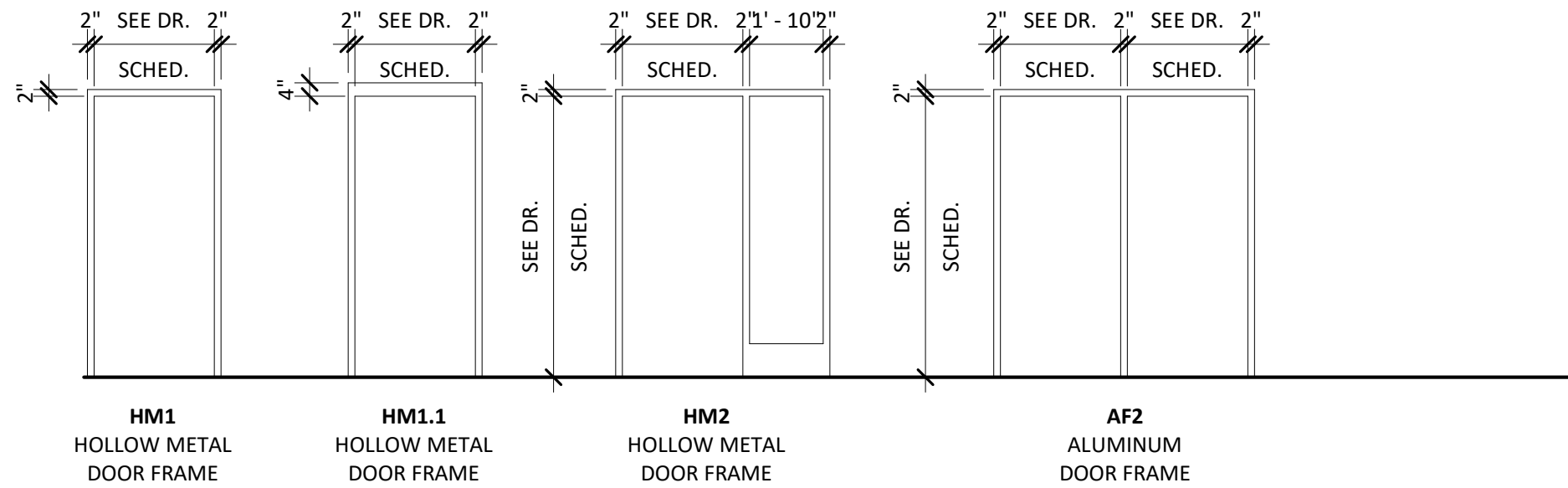
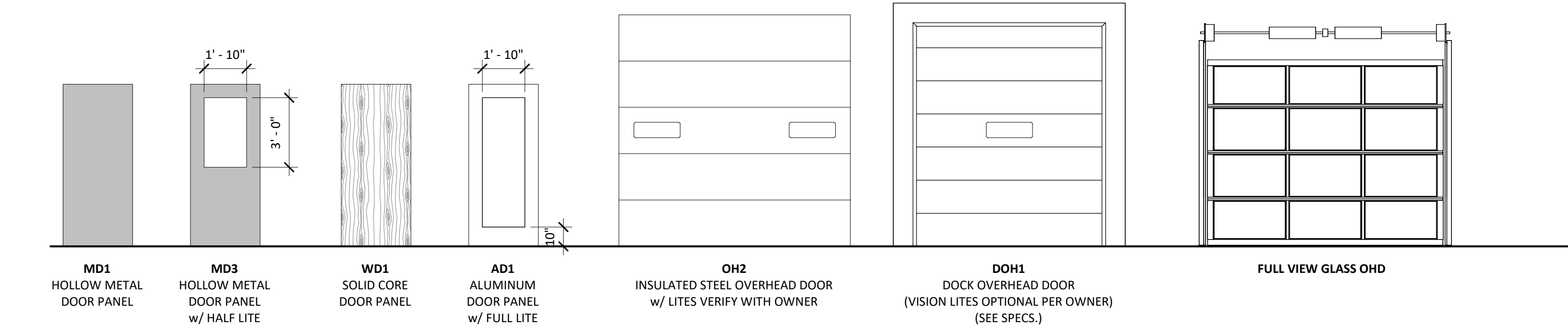
A3.2

DATE: 4/30/2024 7:52:25 AM

SCALE: As indicated



| DOOR SCHEDULE | | | | | | | | | | | | | | |
|---------------|----------|----------|------|------------|-------------|---------------|---------|--------|-------|---------|-----------|-------------------|---------------------|------------------------------|
| DOOR | | | | FRAME TYPE | FIRE RATING | DOOR HARDWARE | | | | | | | SPECIALTY HARDWARE | GENERAL REMARKS |
| NUMBER | WIDTH | HEIGHT | TYPE | | | LOCK | PASSAGE | CLOSER | PANIC | PRIVACY | WALL STOP | WEATHER STRIPPING | PUSH - PULL HANDLES | |
| 100.1 | 3' - 0" | 7' - 0" | AD1 | AF2 | | ■ | | ■ | | | | | ■ | 2 REMOVABLE MULLION |
| 100.2 | 3' - 0" | 7' - 0" | AD1 | AF2 | | ■ | | ■ | | | | | ■ | 2 REMOVABLE MULLION |
| 100.3 | 3' - 0" | 7' - 0" | AD1 | AF2 | | ■ | | ■ | | | | ■ | ■ | 2 REMOVABLE MULLION |
| 100.4 | 3' - 0" | 7' - 0" | AD1 | AF2 | | ■ | | ■ | | | | ■ | ■ | 2 REMOVABLE MULLION |
| 102.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | ■ | | | | ■ | | | |
| 102.2 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | ■ | | | | ■ | | | |
| 105.1 | 3' - 0" | 7' - 0" | MD3 | HM1 | | | ■ | ■ | | | | ■ | ■ | 2 |
| 107.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | ■ | | ■ | | | ■ | | | |
| 108.1 | 5' - 8" | 6' - 8" | | | | | | | | | | | | SLIDING FULL VIEW ALUM. DOOR |
| 108.2 | 4' - 0" | 7' - 0" | | | | | | | | | | | | SLIDING WOOD CLOSET DOOR |
| 108.3 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 109.1 | 3' - 0" | 7' - 0" | MD3 | HM1 | | | ■ | ■ | | | | ■ | ■ | 2 |
| 109.2 | 3' - 0" | 7' - 0" | MD3 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 110.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 111.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 112.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 113.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 114.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 115.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 116.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 117.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 118.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | ■ | | ■ | | | ■ | | | |
| 119.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | | ■ | | ■ | ■ | | | |
| 120.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | | ■ | | | ■ | | ■ | |
| 121.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | | ■ | | | ■ | | ■ | |
| 122.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | ■ | ■ | | | ■ | | | |
| 122.2 | 3' - 0" | 7' - 0" | MD3 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 123.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 124.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 125.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 126.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 127.1 | 3' - 0" | 7' - 0" | WD1 | HM2 | | | ■ | | | | ■ | | | 12" SIDELIGHT |
| 128.1 | 3' - 0" | 7' - 0" | WD1 | HM1 | | | ■ | | | | ■ | | | |
| 128.2 | 10' - 0" | 8' - 0" | | | | | | | | | | | | FULL VIEW GLASS |
| 128.3 | 10' - 0" | 8' - 0" | | | | | | | | | | | | FULL VIEW GLASS |
| 128.4 | 3' - 0" | 7' - 0" | MD3 | HM1 | | | ■ | ■ | | | | ■ | ■ | 2 |
| 128.5 | 3' - 0" | 7' - 0" | MD1 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 131.1 | 3' - 0" | 7' - 0" | MD1 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 131.2 | 10' - 0" | 10' - 0" | OH2 | - | | | | | | | | | | |
| 131.3 | 3' - 0" | 7' - 0" | MD1 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 131.4 | 9' - 0" | 10' - 0" | DOH1 | - | | | | | | | | | | |
| 131.5 | 9' - 0" | 10' - 0" | DOH1 | - | | | | | | | | | | |
| 131.6 | 3' - 0" | 7' - 0" | MD1 | HM1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 131.7 | 3' - 0" | 7' - 0" | MD1 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 131.8 | 14' - 0" | 14' - 0" | OH2 | - | | | | | | | | | | |
| 132.1 | 14' - 0" | 14' - 0" | OH2 | - | | | | | | | | | | |
| 132.2 | 3' - 0" | 7' - 0" | MD1 | HM1 | | | ■ | ■ | | | | | | 2 |
| 132.3 | 14' - 0" | 14' - 0" | OH2 | - | | | | | | | | | | |
| 132.4 | 3' - 0" | 7' - 0" | MD1 | HM1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 132.5 | 3' - 0" | 7' - 0" | MD1 | HM1.1 | | ■ | | ■ | | | | ■ | | 2, 7 |
| 133.1 | 3' - 0" | 7' - 0" | MD1 | HM1 | | | | ■ | | ■ | ■ | | | |
| 134.1 | 3' - 0" | 7' - 0" | MD1 | HM1 | | | | ■ | | ■ | ■ | | | |



| SPECIALTY HARDWARE | |
|--------------------|-----------------------|
| 1. | EXIT ONLY LOCK |
| 2. | OVERHEAD STOP |
| 3. | FLOOR STOP |
| 4. | KICK PLATE |
| 5. | SECURITY ENTRY KEYPAD |
| 6. | CYLINDER LOCK |
| 7. | LATCH GUARD |



OUR REPUTATION IS BUILDING

CONSTRUCTION SERVICES
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SMET CONSTRUCTION SERVICE CORP.
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| REVISIONS | | | | | | | | | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.

SCHEDULES -
DOOR / WINDOW

DRAWN BY:
Author

SALES:

SMET NO.:
22106

ARCHT. NO.:

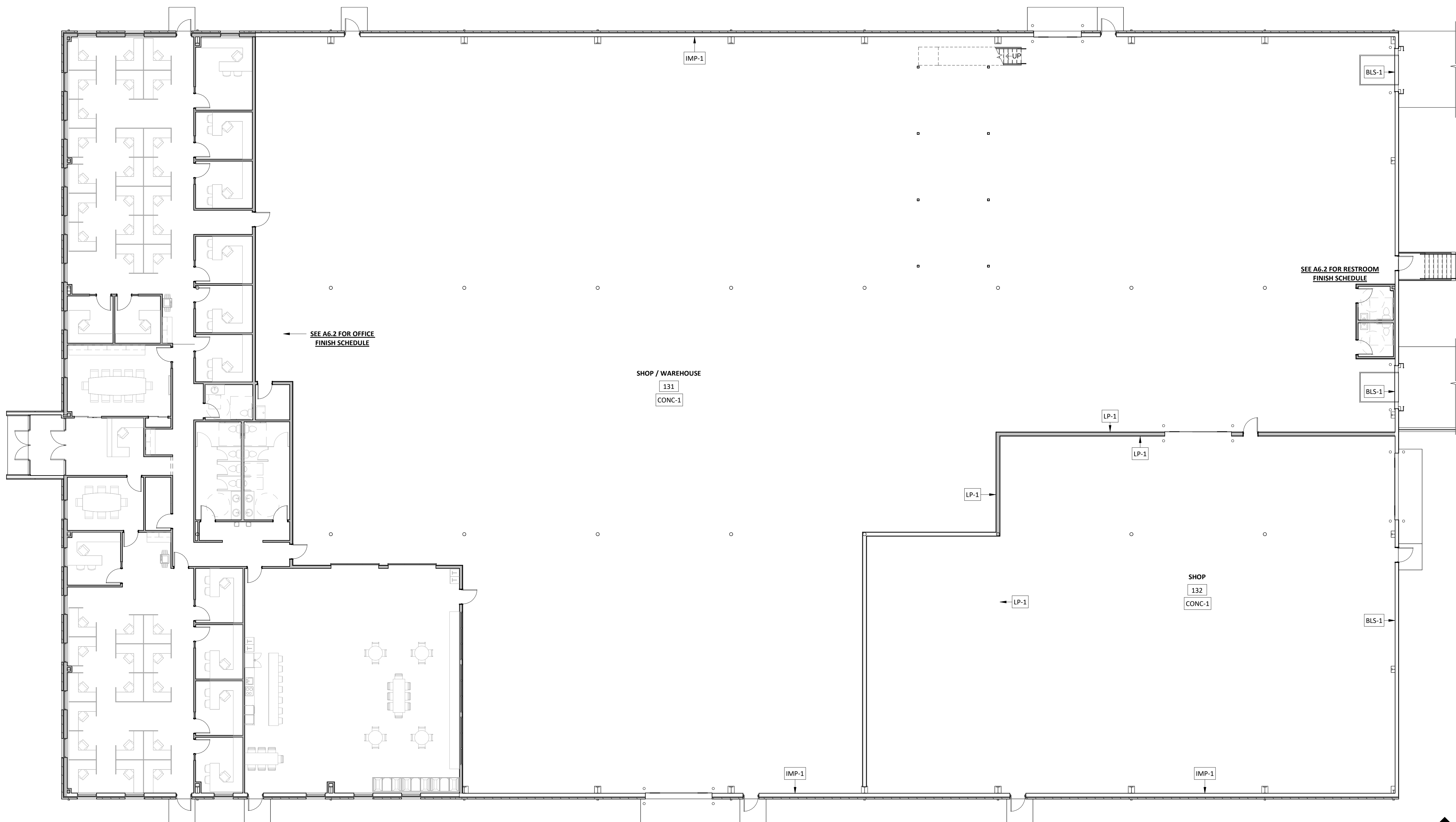
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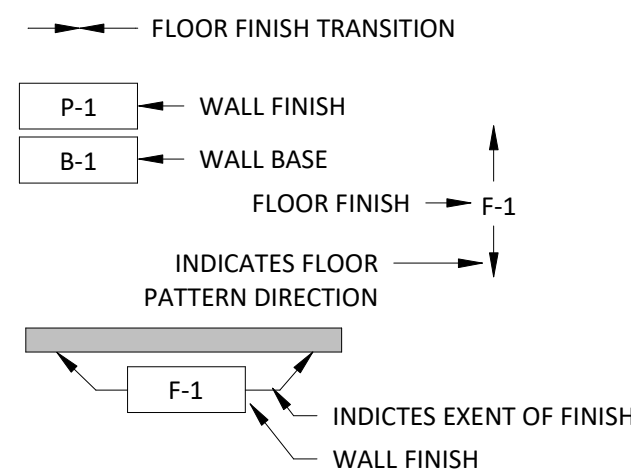
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SCALE:

1/4" = 1'-0"



FINISH PLAN LEGEND



| ROOM FINISH LEGEND | | | | | | |
|--------------------|--------|-----------------------------|--------------|------------------|--------|--------------------|
| LOCATION | MARK | FINISH | MANUFACTURER | STYLE | COLOR | REMARKS |
| FLOORING | CPT-1 | CARPET TILE | VERIFY | VERIFY | VERIFY | |
| FLOORING | CT-1 | CERAMIC TILE | VERIFY | VERIFY | VERIFY | |
| FLOORING | LVP-1 | LUXURY VINYL PLANK | VERIFY | VERIFY | VERIFY | |
| FLOORING | CONC-1 | CONCRETE | VERIFY | VERIFY | VERIFY | |
| FLOORING | CONC-2 | POLISHED CONCRETE | VERIFY | VERIFY | VERIFY | |
| WALL | P-1 | PAINTED DRYWALL | VERIFY | LEVEL 4 - SMOOTH | VERIFY | |
| WALL | FRP-1 | SMOOTH | VERIFY | VERIFY | VERIFY | 1/2" GYP BD BACKER |
| WALL | LP-1 | LINER PANEL | VERIFY | VERIFY | WHITE | |
| WALL | IMP-1 | INTERIOR FINISH SIDE OF IMP | VERIFY | SMOOTH | VERIFY | |
| WALL | BLS-1 | BANDED LINER SYSTEM | VERIFY | VERIFY | WHITE | |
| WALL BASE | VB-1 | 4" VINYL BASE | VERIFY | 4" TALL | VERIFY | |
| WALL BASE | CTB-1 | CERAMIC TILE | VERIFY | 4" TALL | VERIFY | |



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REVISIONS

PROJECT INFO:

MASSMAN
CORPORATE INC.

ROOM FINISH PLAN - OVERALL

DRAWN BY
Author

SALES:

SMET NO.:
22106

SHEET:

A6.1

DATE: 4/30/2024 7:52:27 AM

SCALE: As indicated

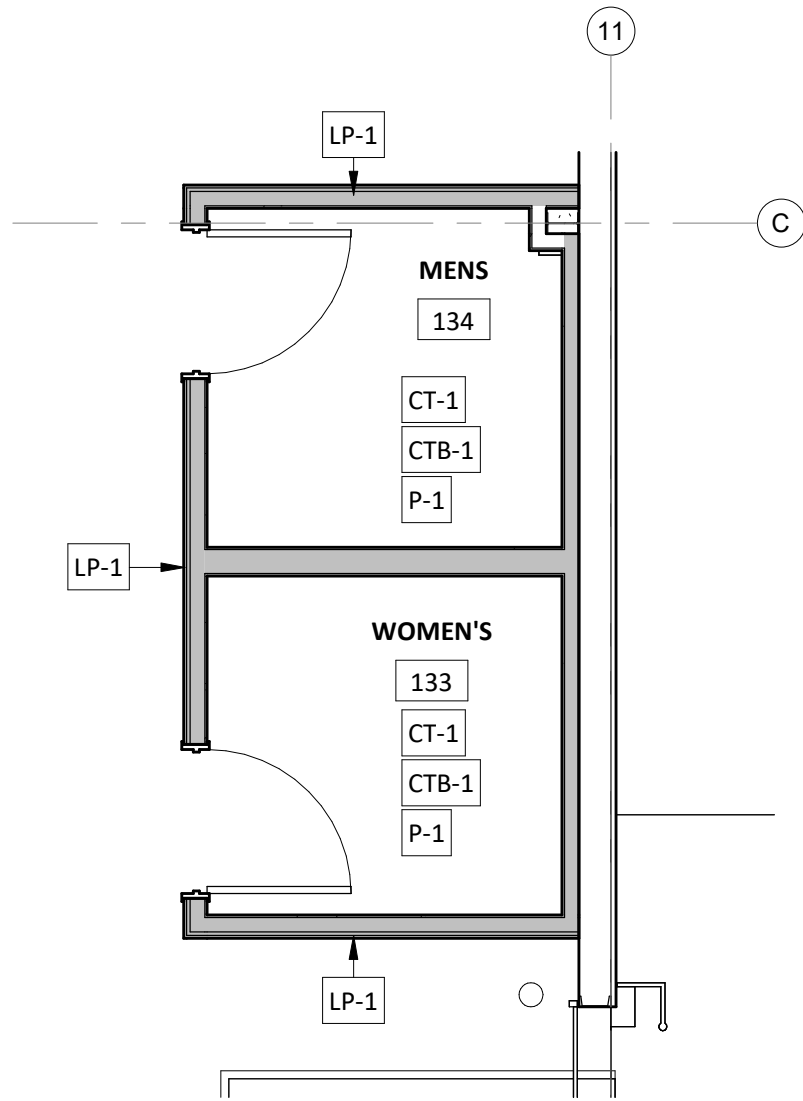
FINISH PLAN - OVERALL

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

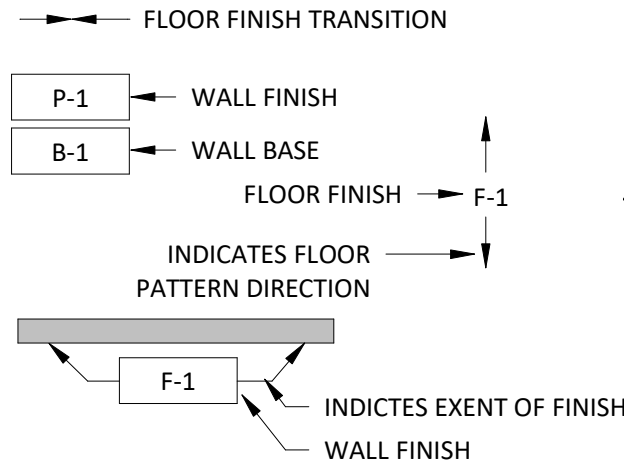


FINISH PLAN - DOCK RESTROOM

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

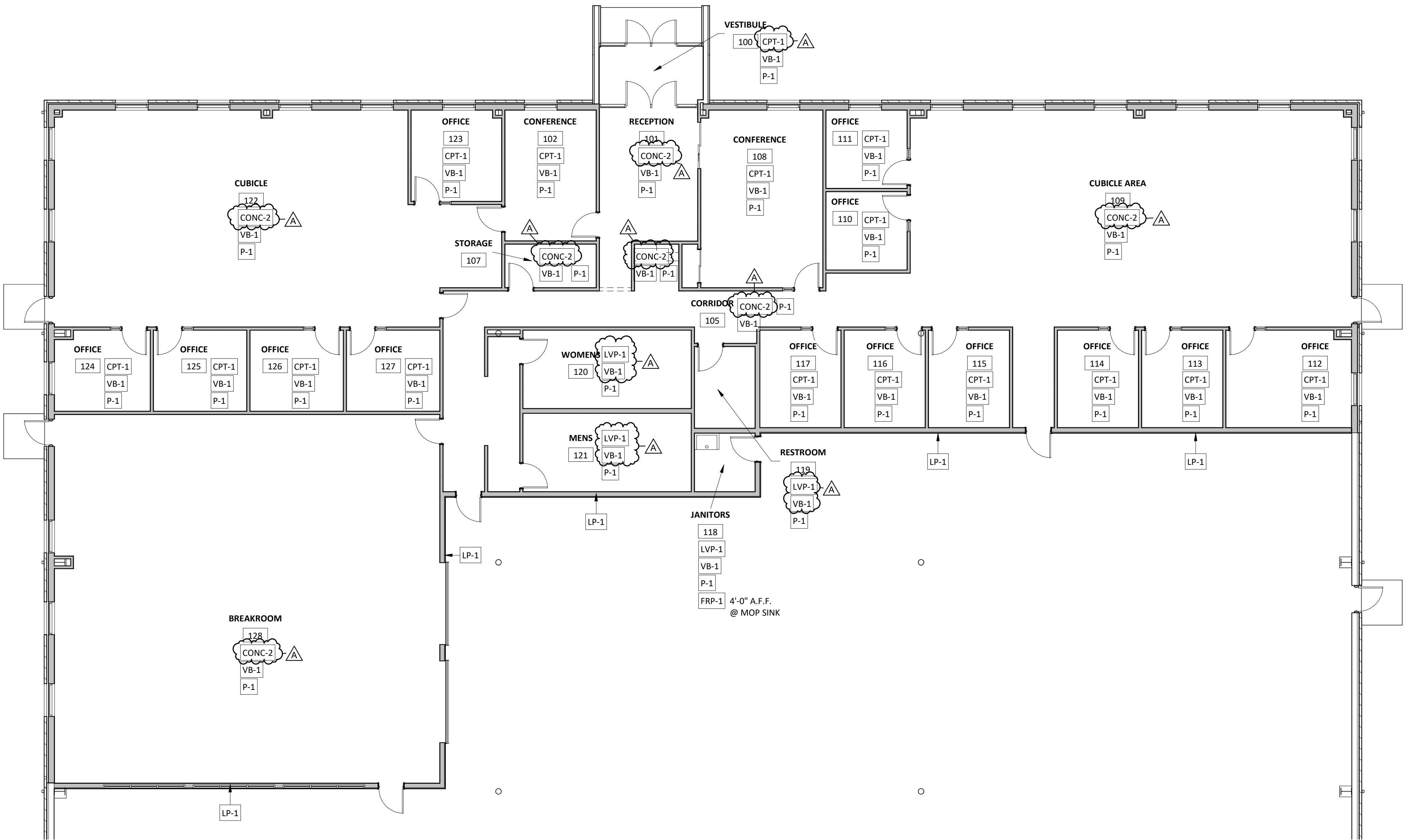


FINISH PLAN LEGEND



ROOM FINISH LEGEND

| LOCATION | MARK | FINISH | MANUFACTURER | STYLE | COLOR | REMARKS |
|-----------|--------|-----------------------------|--------------|------------------|--------|--------------------|
| FLOORING | CPT-1 | CARPET TILE | VERIFY | VERIFY | VERIFY | |
| FLOORING | CT-1 | CERAMIC TILE | VERIFY | VERIFY | VERIFY | |
| FLOORING | LVP-1 | LUXURY VINYL PLANK | VERIFY | VERIFY | VERIFY | |
| FLOORING | CONC-1 | CONCRETE | VERIFY | VERIFY | VERIFY | |
| FLOORING | CONC-2 | POLISHED CONCRETE | VERIFY | VERIFY | VERIFY | |
| WALL | P-1 | PAINTED DRYWALL | VERIFY | LEVEL 4 - SMOOTH | VERIFY | |
| WALL | FRP-1 | SMOOTH | VERIFY | VERIFY | VERIFY | 1/2" GYP BD BACKER |
| WALL | LP-1 | LINER PANEL | VERIFY | VERIFY | WHITE | |
| WALL | IMP-1 | INTERIOR FINISH SIDE OF IMP | VERIFY | SMOOTH | VERIFY | |
| WALL | BLS-1 | BANDED LINER SYSTEM | VERIFY | VERIFY | WHITE | |
| WALL BASE | VB-1 | 4" VINYL BASE | VERIFY | 4" TALL | VERIFY | |
| WALL BASE | CTB-1 | CERAMIC TILE | VERIFY | 4" TALL | VERIFY | |



FINISH PLAN - OFFICE AREA

1 /A6.2 SCALE = 1/8" = 1'-0"

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REVISIONS

| REV | DATE | FINISHES |
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| A | 03.14.24 | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.
ROOM FINISH PLAN
- OFFICE AREA

DRAWN BY:
Author

SMET NO.:
22106

ARCHT. NO.:

SALES:

SHEET:
A6.2

DATE: 4/30/2024 7:52:28 AM

SCALE: As indicated



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PRE-ENGINEERED METAL BUILDING SYSTEMS

| | |
|----|---|
| A. | THE ENTIRE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE DESIGNED BY THE METAL BUILDING MANUFACTURER IN CONFORMANCE TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE AND THE METAL BUILDING SYSTEMS MANUAL AS PUBLISHED BY THE METAL BUILDING MANUFACTURER'S ASSOCIATION, WHERE THESE CRITERIA CONFLICT, THE MORE STRINGENT CRITERIA SHALL APPLY. |
| B. | IT IS THE PRE-ENGINEERED MANUFACTURER'S RESPONSIBILITY TO DESIGN THE COMPLETE BUILDING SYSTEM (STEEL FRAMING, COMPONENTS, ATTACHMENTS, ETC.) THE MANUFACTURER SHALL SUBMIT A CERTIFICATION LETTER BEARING THE SEAL OF A PROFESSIONAL ENGINEER STATING THAT THE BUILDING SYSTEM DESIGN MEETS THE INDICATED CODE, PERFORMANCE AND LOADING REQUIREMENTS. |
| C. | THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL BE CERTIFIED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, CATEGORY MB. THE MANUFACTURER SHALL MEET THE EXCEPTION NOTED PER THE IBC WHICH SPECIFIES QUALITY CONTROL REQUIREMENTS OF THE MANUFACTURER PERTAINING TO SPECIAL INSPECTIONS. |
| D. | THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE ENTIRE METAL BUILDING SYSTEM FOR REVIEW. THE CONTRACTOR SHALL ALSO SUBMIT A COMPLETE STRUCTURAL DESIGN ANALYSIS OF THE BUILDING SYSTEM FOR RECORD PURPOSES ONLY. THE SHOP DRAWING SUBMITTAL SHALL INCLUDE ALL FOUNDATION REACTIONS. ALL SHOP DRAWINGS AND CALCULATION SUBMITTALS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER. |
| E. | DESIGN LOADS TO BE USED IN CONNECTION WITH THE METAL BUILDING DESIGN ARE PER THE DESIGN LOADS CRITERIA. COORDINATE ANY EQUIPMENT LOADS WITH THE MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS. |
| F. | CALCULATIONS FOR FRAME DEFLECTIONS SHALL BE DONE USING ONLY THE BARE FRAME METHOD. DRIFT SHALL FOLLOW AISCS' "SERVICEABILITY DESIGN CONSIDERATIONS FOR LOW-RISE BUILDINGS." CALCULATIONS SHALL BE SUBMITTED VERIFYING THE ACTUAL DRIFT UNDER CODE REQUIRED LOADINGS DOES NOT EXCEED THE ALLOWABLE. |
| G. | THE PRE-ENGINEERED MANUFACTURER SHALL PROVIDE ALL GIRTS, PURLINS, FRAMES AND OTHER COMPONENTS REQUIRED FOR A COMPLETE SYSTEM. ALL WALL SYSTEMS, SUCH AS METAL STUDS, STOREFRONTS, ETC. SHALL BE PROPERLY SUPPORTED BY THE METAL BUILDING SYSTEM. ALLOWABLE DEFLECTIONS OF COMPONENTS SHALL BE IN ACCORDANCE WITH THE IBC. |
| H. | THE FOUNDATION DESIGN IS BASED UPON THE PRE-ENGINEERED METAL BUILDING REACTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ANY REVISIONS REQUIRED AS A RESULT OF CHANGE IN THE BUILDING MANUFACTURER, INCLUDING REDESIGN OF THE FOUNDATIONS. |
| I. | THE DIAMETER, NUMBER AND PLACEMENT PATTERN OF ALL ANCHOR BOLTS SHALL BE DETERMINED BY THE PRE-ENGINEERED BUILDING MANUFACTURER. ANCHOR BOLT EMBEDMENTS ARE INDICATED ON THE STRUCTURAL DRAWINGS. |
| J. | THE PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED BY THE MANUFACTURER TO RESIST LATERAL LOADS AS FOLLOWS: 1. INTERIOR FRAME LINES: RIGID FRAMES 2. PERIMETER WALL LINES: BRACED BAYS OR PORTAL FRAMES. |
| K. | THE METAL BUILDING ERECTOR SHALL PROVIDE ALL TEMPORARY BRACING. |
| L. | UNLESS NOTED OTHERWISE OR SPECIFIED, ALL STEEL MEMBERS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD PROCEDURES. |
| M. | REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR SPECIFIC DESIGN INFORMATION FOR ROOF PANELS, WALL PANELS, ROOF INSULATION AND WALL INSULATION." |

OPEN-WEB STEEL JOISTS

| | |
|----|---|
| A. | SHOP DRAWINGS INDICATE CONFIGURATION, SIZES, SPACING, LOCATIONS OF JOISTS, BRIDGING AND C CONNECTIONS |
| B. | PERFORM WORK IN ACCORDANCE WITH SII |
| C. | MATERIALS ARE AS FOLLOWS: <ol style="list-style-type: none">1. OPEN-WEB JOISTS: ASTM A362. ANCHOR BOLTS, NUTS, AND WASHERS: ASTM A307 GRADE A, ASTM A563 FOR ATTACHMENT TO WOOD BEARING PLATES3. BRIDGING: ASTM A36 |
| D. | ALLOW FOR ERECTION LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN FRAMING IN ALIGNMENT UNTIL COMPLETION FOR ERECTION AND INSTALLATION OF PERMANENT BRIDGING AND BRACING. |
| E. | AFTER JOIST ALIGNMENT, SECURE JOISTS TO BEARING SURFACES. |
| F. | FRAME ROOF OPENINGS GREATER THAN 18" WITH SUPPLEMENTARY FRAMING. |
| G. | AFTER ERECTION, PRIME WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED. |
| H. | UNLESS NOTED OTHERWISE, JOIST CONNECTIONS SHALL BE MADE PER JOIST SUPPLIER STANDARD RECOMMENDATIONS. |
| I. | LIVE LOAD DEFLECTIONS SHALL NOT EXCEED L/360 FOR FLOORS, L/360 FOR ROOFS WITH DIRECTLY APPLIED PLASTER CEILING FINISHES, OR L/240 FOR ROOF WITH ALL OTHER CEILING FINISHES. |
| J. | JOIST AND JOIST GIRDERS SHALL BE FIELD ATTACHED w/ A MINIMUM OF LISTED VALUES: <ol style="list-style-type: none">1. K-SERIES JOISTS: (2) 1/8" FILLET WELDS x 2 1/2" LONG EACH SIDE OF JOIST SEAT, OR BOLTED w/ (2) 1/2" Ø BOLTS IN SLOTTED HOLES PARALLEL TO JOISTS AT COLUMNS.2. LH-SERIES JOISTS, SECTION NUMBERS 02 THRU 06: (2) 3/16" FILLET WELDS x 2 1/2" LONG EACH SIDE OF JOIST SEAT, OR BOLTED w/ (2) 3/4" Ø BOLTS IN SLOTTED HOLES PARALLEL TO JOISTS AT COLUMNS.3. LH-SERIES AND DLH-SERIES JOISTS, SECTION NUMBERS 07 THRU 16: (2) 1/4" FILLET WELDS x 2 1/2" LONG EACH SIDE OF JOIST SEAT, OR BOLTED w/ (2) 3/4" Ø BOLTS IN SLOTTED HOLES PARALLEL TO JOISTS AT COLUMNS.4. DHL-SERIES JOISTS, SECTION NUMBERS 17-25: (2) 1/4" FILLET WELDS x 4" LONG EACH SIDE OF JOIST SEAT, OR BOLTED w/ (2) 3/4" Ø BOLTS IN SLOTTED HOLES PARALLEL TO JOISTS AT COLUMNS.5. JOIST GIRDERS: (2) 1/4" FILLET WELDS x 4" LONG EACH SIDE OF JOIST SEAT, OR BOLTED w/ (2) 3/4" Ø BOLTS IN SLOTTED HOLES PARALLEL TO JOISTS AT GIRDER COLUMNS. |

| STEEL DECKING | |
|---------------|--|
| A. | DESIGN OF METAL DECKING IN ACCORDANCE WITH SDI MANUAL. |
| B. | MATERIALS ARE AS FOLLOWS: <ol style="list-style-type: none"> 1. METAL DECK: AS INDICATED ON THE CONSTRUCTION DOCUMENT DETAILS. 2. FASTENERS: MILD STEEL WELD WASHERS, HARDENED STEEL SELF-TAPPING SCREWS OR POWDER ACTUATED FASTENERS. |
| C. | BEAR DECKING ON WOOD SUPPORT SURFACES WITH A 4" MINIMUM BEARING AND ON STEEL SUPPORTS WITH A MINIMUM OF 1-1/2" BEARING. |
| D. | FASTEN RIBBED DECK TO STEEL SUPPORT MEMBERS AT ENDS AND INTERMEDIATE SUPPORTS WITH FUSION WELDS THROUGH WASHERS OR MECHANICAL FASTENERS AT 12" O.C. AND AT EVERY OTHER TRANSVERSE FLUTE, UNLESS NOTED OTHERWISE. |
| E. | REINFORCE STEEL DECK OPENINGS FROM 6" TO 18" IN SIZE WITH 2"x2"x1/4" STEEL ANGLES. LARGER OPENINGS SEE DRAWINGS. |
| F. | UNLESS INDICATED OTHERWISE, PROVIDE 3"x3"x3/16" DECK SUPPORT ANGLES AROUND PERIMETER OF ROOF DECK. |

| STRUCTURAL STEEL CONSTRUCTION | | |
|---|------------------|-----------------------------|
| <p>A. SPECIFICATIONS:</p> <p>1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE 14TH EDITION OF THE "STEEL CONSTRUCTION MANUAL", BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, UNLESS NOTED OTHERWISE.</p> <p>2. STEEL MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS, UNLESS NOTED OTHERWISE:</p> | | |
| STRUCTURAL TYPE/SHAPE | ASTM DESIGNATION | MATERIAL STRENGTH |
| ANCHOR BOLTS | F1554 GRADE 36 | Fy = 36 KSI |
| W-SHAPE | A992 | Fy = 50 KSI |
| M, S, C, MC, AND L-SHAPES, PLATES AND BARS | A36 | Fy = 36 KSI |
| HP-SHAPE | A572 GRADE 50 | Fy = 50 KSI |
| PIPES | A53 GRADE B | Fy = 35 KSI |
| HSS RECTANGULAR | A500 GRADE B | Fy = 46 KSI |
| HSS ROUND | A500 GRADE B | Fy = 42 KSI |
| FASTENERS | A325N | Fnv = 48 KSI, Fnt = 90 KSI |
| | A325X | Fnv = 60 KSI, Fnt = 90 KSI |
| | A490N | Fnv = 60 KSI, Fnt = 113 KSI |
| | A490X | Fnv = 75 KSI, Fnt = 113 KSI |
| CONNECTION NUTS | A563 | |
| WASHERS | F436 | |
| WELDS | | |
| E70XX ELECTRODES | A233 | Fu = 70 KSI |
| COLD ROLLED E60XX ELECTRODES | A233 | Fu = 60 KSI |
| STUD ANCHORS | A108 | Fu = 65 KSI |
| <p>3. ALL ASTM A325 BOLTS EXPOSED TO EXTERIOR CONDITIONS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123; ASTM 490 BOLTS SHALL NOT BE GALVANIZED.</p> | | |
| <p>B. PROVIDE 2 MIL THICK OXIDE PRIMER ON ALL STEEL SURFACES UNLESS NOTED OTHERWISE.</p> | | |
| <p>C. DESIGN STRESS:</p> <p>1. MINIMUM BEAM CONNECTIONS SHALL NOT BE SMALLER THAN THOSE LISTED IN PART 10 OF THE AISC MANUAL</p> <p>2. UNLESS DETAILED OTHERWISE, MAKE CONNECTIONS WITH E70XX ELECTRODES OR BOLTED WITH 3/4" A325 BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE (A325N).</p> | | |
| <p>D. WELDING:</p> <p>1. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.1 STRUCTURAL WELDING CODE.</p> <p>2. WELDER CERTIFICATION PROCEDURES SHALL BE AS FOLLOWS:</p> <p>a. ALL WELDERS SHALL BE CURRENTLY CERTIFIED AN REGISTERED BY THE LOCAL OFFICIALS AND/OR THE AMERICAN WELDING SOCIETY AND, IF REQUIRED, ALL WELDERS SHALL HAVE THEIR CERTIFICATION AVAILABLE TO THE ENGINEER.</p> <p>3. ALL BUTT WELDS SHALL BE COMPLETE JOINT PENETRATION (CJP) WELDS, UNLESS NOTED OTHERWISE.</p> <p>4. ALL GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION (CJP) WELDS, UNLESS NOTED OTHERWISE.</p> <p>5. WELDING PROCEDURE AND SEQUENCES SHALL BE PLANNED TO MINIMIZE WELD SHRINKAGE THAT COULD RESULT IN LAMELLAR TEARING.</p> <p>6. FIELD WELDING WILL BE ALLOWED ONLY WHERE SHOWN ON DRAWINGS.</p> <p>7. EXISTING AND NEW STEEL SURFACES TO BE WELDED SHALL BE CLEANED OR PAINT, GREASE, SCALE, OR OTHER FOREIGN MATERIAL REMOVED.</p> <p>8. ALL FIELD WELDS SHALL BE WIRE BRUSHED AND CLEANED, THEN TOUCHED-UP PAINTED.</p> | | |

COLD-FORMED STEEL CONSTRUCTION

A. DESIGN COLD-FORMED STEEL FRAMING ACCORDING TO AISI'S "STANDARD FOR COLD-FORGED STEEL FRAMING - GENERAL PROVISIONS."

B. MATERIALS:

1. ALL MEMBERS SHALL BE COLD-FORMED FROM STRUCTURAL QUALITY SHEET STEEL MEETING THE REQUIREMENTS OF ASTM A-446 GRADE A, MINIMUM YIELD OF 33,000 PSI FOR 18 GAUGE AND LIGHTER AND MEETING THE REQUIREMENTS OF ASTM A-446 GRADE D, MINIMUM YIELD OF 50,000 PSI FOR 16 GAUGE AND HEAVIER.
2. ALL MEMBERS SHALL BE MARKED SO THAT SUPPLIED MATERIALS CAN BE FIELD VERIFIED.
3. ALL MEMBERS SHALL HAVE A GALVANIZED FINISH COMPLYING WITH ASTM A-535, G60 COATING.

C. CONNECTIONS:

1. WELDS: WELDING SHALL BE IN CONFORMANCE WITH AWS D 1.3 UTILIZING E60XX OR E70XX ELECTRODES.
2. SCREWS: SELF-DRILLING AND SELF-TAPPING, CADMIUM PLATED FOR ALL EXTERIOR USES, OF THE SIZE REQUIRED FOR LOADINGS.
3. POWER DRIVEN SHOTS: SIZE AND SPACING AS REQUIRED TO PROPERLY ANCHOR THE FRAMING MEMBERS. USE CHARGE AS APPROPRIATE FOR ACTUAL USE.
4. WIRE TYING: NOT PERMITTED.

D. LIGHT GAUGE STEEL FRAMING MEMBER DESIGNATION SYSTEM:

362S162-20

- MINIMUM BASE METAL THICKNESS IN MILS. (EXAMPLE - .020 = 20 MILS)
 - 30 = 20 GAUGE DRYWALL
 - 33 = 20 GAUGE
 - 43 = 18 GAUGE
 - 54 = 16 GAUGE
 - 68 = 14 GAUGE
 - 97 = 12 GAUGE
- FLANGE WIDTH (1/100 INCHES) (EXAMPLE - 162 = 1.625")
- STYLE: $S = \text{STUD OR JOIST SECTION (WITH FLANGE STIFFENERS)} = \boxed{}$
 - $T = \text{TRACK SECTION} = \boxed{}$
 - $U = \text{CHANNEL SECTION (STUDS WITHOUT FLANGE STIFFENERS)} = \boxed{}$
 - $F = \text{FURRING CHANNEL} = \boxed{}$
 - $Z = \text{ZEE SECTION} = \boxed{}$
- MEMBER DEPTH (1/100 INCHES) (EXAMPLE - 362 = 3-5/8")

| | | | | | | | |
|----|--|---|-----------------|------------------------|--|----------|-------|
| A. | ALL DESIGN AND CONSTRUCTION OF CAST-IN-PLACE CONCRETE SHALL CONFORM TO THE LATEST EDITION OF ACI 318 BUILDING CODE AND CRSI MANUAL OF STANDARD PRACTICE. | | | | | | |
| | CONCRETE SHALL BE STANDARD WEIGHT MIX UNLESS NOTED OTHERWISE AND MEET THE FOLLOWING CRITERIA: | | | | | | |
| B. | LOCATION | f'c @ 28 DAYS | AIR ENTRAINMENT | MAX WATER/CEMENT RATIO | | | |
| | FOOTINGS/FOUNDATIONS | 3500 PSI | | 0.55 | | | |
| | WALLS | 3500 PSI | | 0.55 | | | |
| | FLOORS ON GRADE | 4000 PSI | | 0.55 | | | |
| | EXTERIOR SLABS ON GRADE | 4000 PSI | 6% ± 1.5% | 0.45 | | | |
| | EXPOSED EXTERIOR WALLS | 4000 PSI | 6% ± 1.5% | 0.45 | | | |
| C. | PROTECT FOUNDATION EXCAVATIONS FROM FROST; CONCRETE PLACED IN FROST IS NOT PERMISSIBLE. | | | | | | |
| D. | DESIGN FROST PENETRATION DEPTH SHALL BE 48". | | | | | | |
| E. | FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER. | | | | | | |
| F. | MINIMUM OF 6" COMPACTED GRANULAR SUBGRADE BELOW SLABS. IF GEOTECHNICAL REPORT AVAILABLE USE MOST STRINGENT SUBGRADE. | | | | | | |
| G. | PLACE VAPOR RETARDER OR VAPOR BARRIER DIRECTLY BELOW SLABS ON GRADE. | | | | | | |
| H. | CEMENT SHALL CONFORM TO ASTM C150, TYPE I / II OR ASTM C595 TYPE II. | | | | | | |
| I. | ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER. CALCIUM CHLORIDE SHALL NOT BE USED. | | | | | | |
| J. | ADMIXTURES SHALL COMPLY WITH ASTM C494 AND BE OF A TYPE THAT INCREASES THE WORKABILITY OF THE CONCRETE. | | | | | | |
| K. | ALL MIXES SHALL BE DESIGNED AND CERTIFIED BY A MATERIALS TESTING COMPANY. | | | | | | |
| L. | CONCRETE FLOOR SHALL BE CURED IN ACCORDANCE WITH ASTM C309. CONCRETE FLOOR SHALL BE PROTECTED FROM MOISTURE FOR A MINIMUM OF 14 DAYS WITH AN APPROVED SHEET MEMBRANE IN ACCORDANCE WITH C171. | | | | | | |
| | POST-INSTALLED ANCHORS ONLY ALLOWED WITH THE APPROVAL AND REVIEW OF ENGINEER OF RECORD. | | | | | | |
| M. | MINIMUM DEVELOPMENT LENGTH OF REINFORCING BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE: | | | | | | |
| | MINIMUM LENGTH FOR STANDARD UN-COATED BARS IN NORMAL WEIGHT CONCRETE | | | | | | |
| | CONCRETE STRENGTH f'c IN PSI | DEVELOPMENT LENGTH (Ld) FOR STRAIGHT BARS (MIN 12") | | | | | |
| | | TENSION CLASS A | TENSION CLASS B | COMPRESSION | FOR 90° HOOKED BARS, HOOK DEVELOPMENT LENGTH | | |
| | | #6 & SMALLER | #7 TO #11 | #6 & SMALLER | | | |
| | | #7 TO #11 | #6 & SMALLER | #7 TO #11 | #18, #14, & #11 AND SMALLER | | |
| | 3000 | 44 Db | 55 Db | 57 Db | 71 Db | 30 Db | 22 Db |
| | 3500 | 41 Db | 51 Db | 53 Db | 66 Db | 30 Db | 20 Db |
| | 4000 | 38 Db | 47 Db | 49 Db | 62 Db | 30 Db | 19 Db |
| | 4500 | 36 Db | 45 Db | 47 Db | 58 Db | 30 Db | 18 Db |
| | 5000 | 34 Db | 42 Db | 44 Db | 55 Db | 30 Db | 17 Db |
| N. | TYPICAL SPLICES: CLASS B AS DEFINED IN ACI 318, UNLESS NOTED OTHERWISE. | | | | | | |
| O. | MINIMUM CLEAR CONCRETE COVER FOR REINFORCING STEEL TO MEET THE FOLLOWING CRITERIA: | | | | | | |
| | MINIMUM CLEAR CONCRETE COVER FOR REINFORCING STEEL | | | | | | |
| | CONCRETE ON SOIL (DIRECT CONTACT) | | | | | 3" | |
| | SLAB ON GRADE | | | | | CENTERED | |
| | WALLS, STRUCTURAL SLABS EXPOSED TO SOIL OR WEATHER | | | | | 2" | |
| | #6 TO #18 REBAR | | | | | 1-1/2" | |
| | #5 AND SMALLER REBAR | | | | | 3/4" | |
| | WALLS, STRUCTURAL SLABS NOT EXPOSED TO EARTH OR WEATHER | | | | | 3/4" | |
| | #11 AND SMALLER REBAR | | | | | 1-1/2" | |
| | COLUMNS AND PIERS (COVER TO STIRRUPS AND TIES) | | | | | 1-1/2" | |
| | | | | | | | |
| P. | REINFORCING STEEL, ANCHOR BOLTS, AND DOWELS SHALL BE SECURED WITH WIRE POSITIONERS, OR EQUIVALENT, BEFORE PLACING CONCRETE OR GROUT. | | | | | | |
| Q. | BARS TO BE WELDED SHALL BE ASTM A706, GRADE 60. WELDING OF REINFORCING BARS SHALL CONFORM TO AWS D1.4. | | | | | | |
| R. | ALL REINFORCEMENT PLACED IN FOUNDATION WALLS, FOOTINGS, PIERS, AND RETAINING WALLS SHALL BE HOT DIPPED GALVANIZED. | | | | | | |
| S. | GALVANIZED REINFORCEMENT THAT HAS DAMAGED GALVANIZING SHALL BE FIELD DRESSED WITH (2) COATS OF COLD GALVANIZING PAINT. | | | | | | |
| T. | 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 MEAS. | | | | | | |
| U. | 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 (0.074 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. | | | | | | |

REINFORCED MASONRY CONSTRUCTION

A. ALL DESIGN AND CONSTRUCTION OF REINFORCED MASONRY CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES:
 ACI 530.1 / ASCE 7 / TMS 602 SPECIFICATION FOR MASONRY STRUCTURES
 ACI 530 / ASCE 7 / TMS 402 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES

B. TYPICAL MATERIALS ARE AS FOLLOWS:

| TYPE | STANDARD | GRADE |
|-------------------------|-----------------|-------------|
| CONCRETE MASONRY BLOCK | ASTM C-90 | 2,800 PSI |
| TYPE M/S MORTAR | ASTM C-90 | |
| GROUT (28 DAY STRENGTH) | ASTM C-90 | 2,000 PSI |
| REINFORCING BARS | ASTM A615 Gr 60 | Fy = 60 KSI |

C. THE REQUIRED MINIMUM 28 DAY COMPRESSIVE STRENGTH OF THE COMBINATION OF CONCRETE BLOCK, GROUT AND MORTAR ON THE NET AREA OF CONSTRUCTION (F_m) SHALL BE LAID IN RUNNING BOND, UNLESS NOTED OTHERWISE.

D. ALL CONCRETE BLOCK MASONRY UNITS SHALL BE LAID IN RUNNING BOND, UNLESS NOTED OTHERWISE.

E. MASONRY BLOCKS NOT CONTAINING VERTICAL REINFORCING SHALL BE GROUTED SOLID. FILLING CELLS WITH MORTAR IS NOT ACCEPTABLE.

F. THE BASE OF EACH CELL IN WHICH REINFORCING BAR IS PLACED MUST HAVE A CLEAN OUT HOLE.

H. VERTICAL REINFORCING BARS SHALL BE LAPPED PER SCHEDULE.

I. PROVIDE CONTINUOUS REINFORCED BOND-BEAMS IN ALL REINFORCED MASONRY WALLS AT THE TOP, AND AS REQUIRED IN CONSTRUCTION DOCUMENTS. BOND-BEAMS AT THE TOP OF THE WALL SHALL BE CONTINUOUS AT MASONRY CONTROL JOINTS. ALL OTHER BOND-BEAMS SHALL NOT BE CONTINUOUS AT MASONRY CONTROL JOINTS. BOND-BEAM REINFORCING SHALL EXTEND INTO AND BE CONTINUOUS WITH ALL INTERSECTING BOND-BEAMS.

J. FILL CORES OF MASONRY UNDER ALL BEARING PLATES. THE MINIMUM WIDTH SHALL BE 3 TIMES THE BEARING PLATE LENGTH FOR THREE COURSES BELOW BEARING, UNLESS NOTED OTHERWISE.

K. REINFORCED MASONRY WALLS SHALL HAVE #9 GAUGE (LADDER TYPE) HORIZONTAL REINFORCING AT SPACING AS NOTED ON CONSTRUCTION DOCUMENTS, BUT AT A MAXIMUM OF 16" O.C. VERTICALLY.

L. VENEER LINTEL SUPPORT AS FOLLOWS:

| SPAN | MEMBER | BEARING |
|----------|------------------------------|---------|
| 7' - 4" | L3-1/2" x 3-1/2" x 5/16" LLV | 6" |
| 9' - 0" | L5" x 3-1/2" x 5/16" LLV | 8" |
| 10' - 0" | L6" x 3-1/2" x 5/16" LLV | 8" |
| 12' - 0" | L6" x 4" x 5/16" LLV | 8" |
| 14' - 0" | L7" x 4" x 5/16" LLV | 8" |
| 16' - 0" | L8" x 4" x 1/2" LLV | 8" |



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MASSMAN
CORPORATE INC.

STRUCTURAL DESIGN CRITERIA

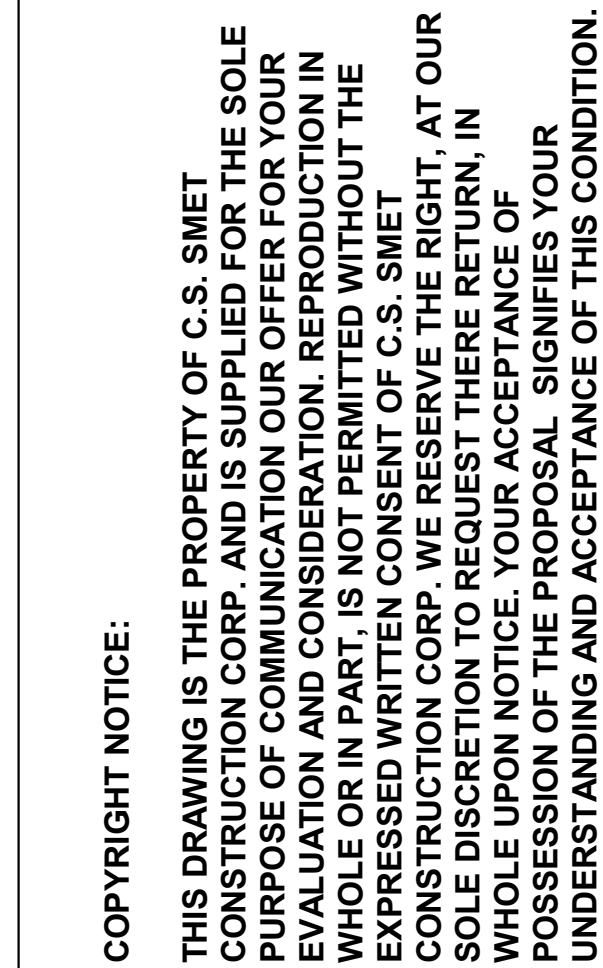
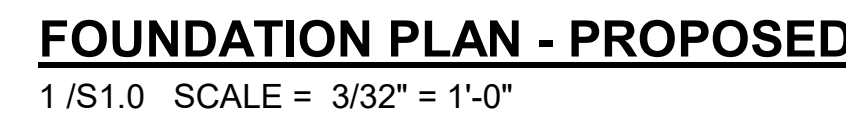
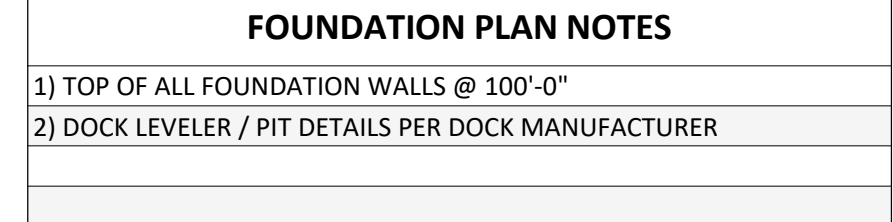
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SCALE: 12" = 1'-0"

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PROJECT INFO:

MASSMAN
CORPORATE INC.

FOUNDATION PLAN
- OVERALL

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| DRAWN BY: Author |
| SMET NO.: 22106 |
| ARCHT. NO.: |

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REVISIONS

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PROJECT INFO:

MASSMAN
CORPORATE INC.

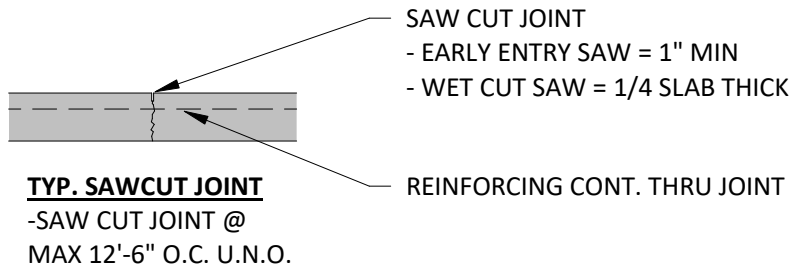
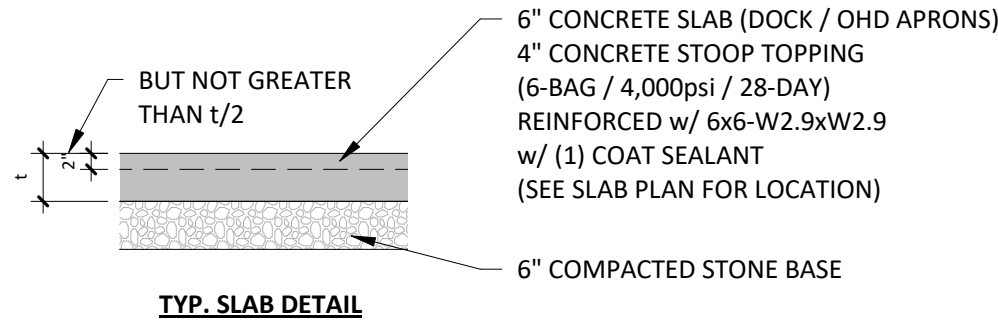
FOUNDATION PLAN
- OVERALL

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| SMET NO.: 22106 |
| ARCHT. NO.: |

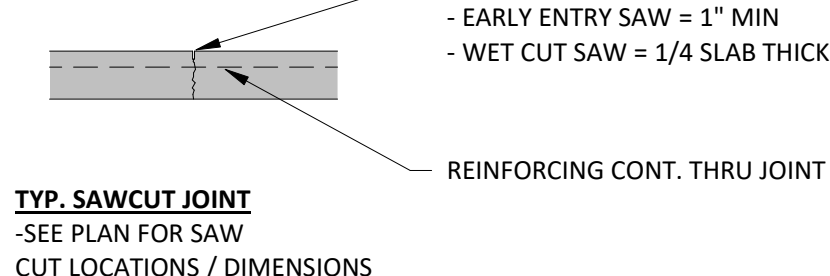
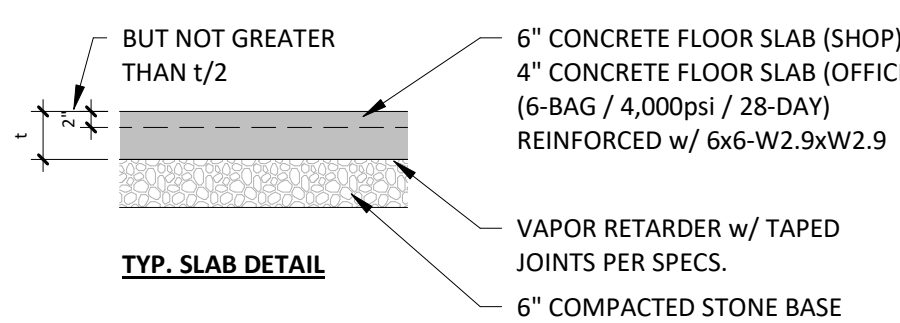
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SCALE: As indicated

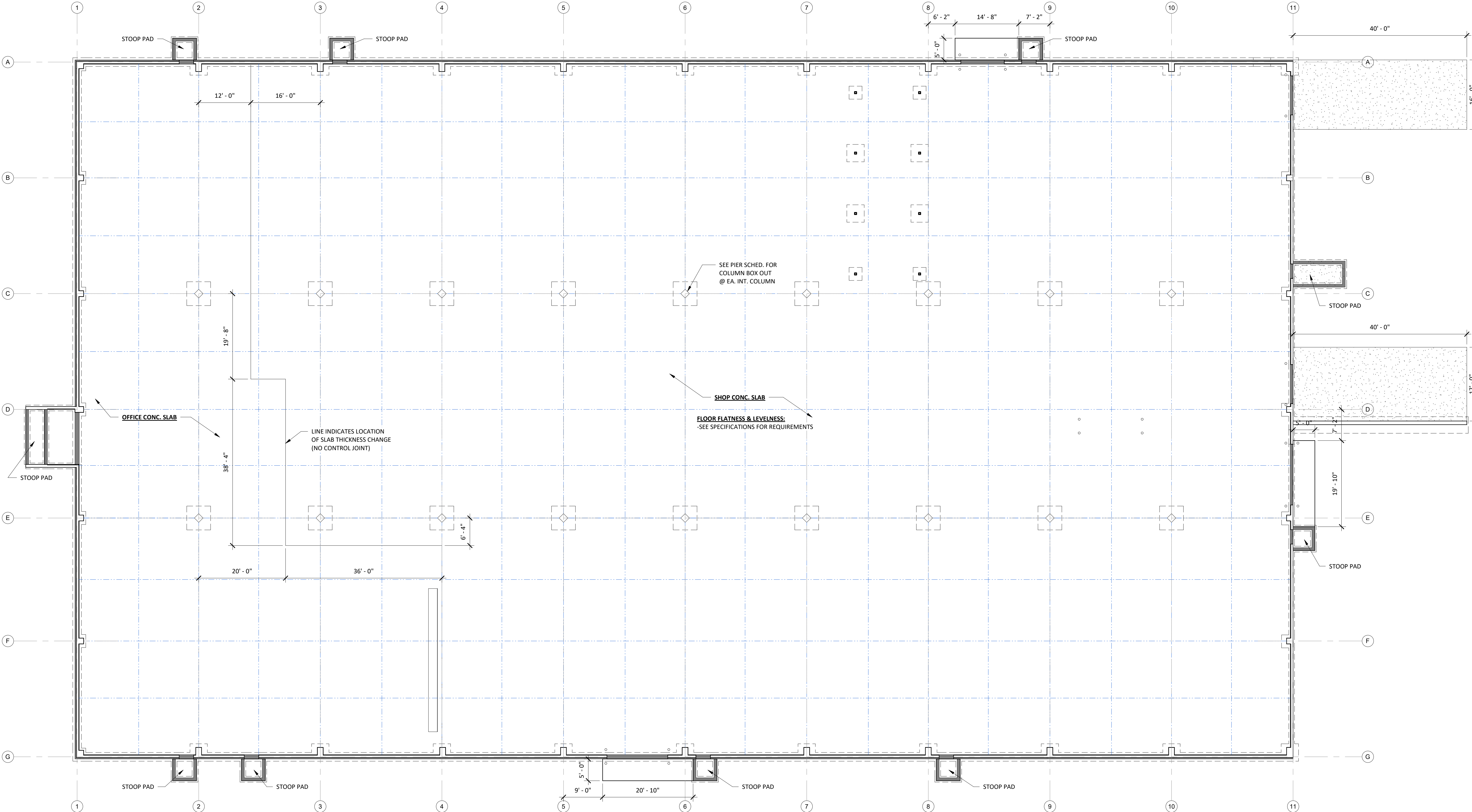
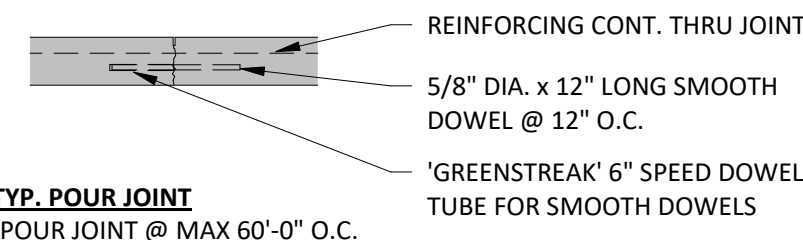
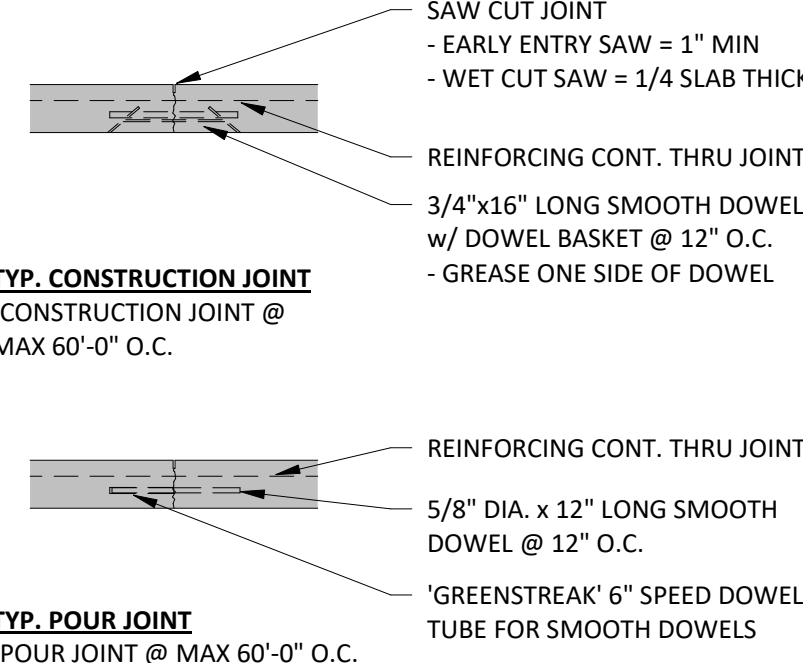


TYPICAL EXTERIOR CONCRETE SLAB



TYPICAL INTERIOR CONCRETE SLAB

NOTE:
- PROVIDE TK 26 UV SEALER @ AREAS OF EXPOSED CONCRETE
- SEE ROOM FINISH PLAN FOR FLOORING
- NO SPECIAL HARDNER NEEDED



SLAB PLAN - OVERALL
1/S1.1 SCALE = 3/32" = 1'-0"



OUR REPUTATION IS BUILDING

CONSTRUCTION OFFICE
2000 PROFIT PLACE
DEPERE, WI 54115
PHONE: (920) 848-7871
EMAIL: INFO@SMET.COM

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REVISIONS

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PROJECT INFO:

MASSMAN
CORPORATE INC.

SLAB PLAN -
OVERALL

DRAWN BY:
Author

SALES:

SMET NO.:
22106

SHEET:

ARCHT. NO.:

S1.1

DATE: 4/30/2024 7:52:31 AM

SCALE: As indicated

PRE-ENGINEERED METAL BUILDING FLOOR PLAN TO BE INSERTED ONCE INFORMATION IS RECEIVED

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| REVISIONS | | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.

ANCHOR BOLT
PLAN

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| DRAWN BY: Author | SALES: |
| SMET NO.: 22106 | SHEET: S1.2 |
| ARCHT. NO.: | |

DATE: 4/30/2024 7:52:31 AM

SCALE:

PRE-ENGINEERED METAL BUILDING FLOOR PLAN TO BE INSERTED ONCE INFORMATION IS RECEIVED

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| REVISIONS | | | | |
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PROJECT INFO:

DRAWN BY:
Author

SMET NO.:
22106

ARCHT. NO.

DATE: 4/30/2024 7:52:31 AM

SCALE: 3/4" = 1'-0"

MASSMAN
CORPORATE INC.

ANCHOR BOLT DETAILS



OUR REPUTATION IS BUILDING

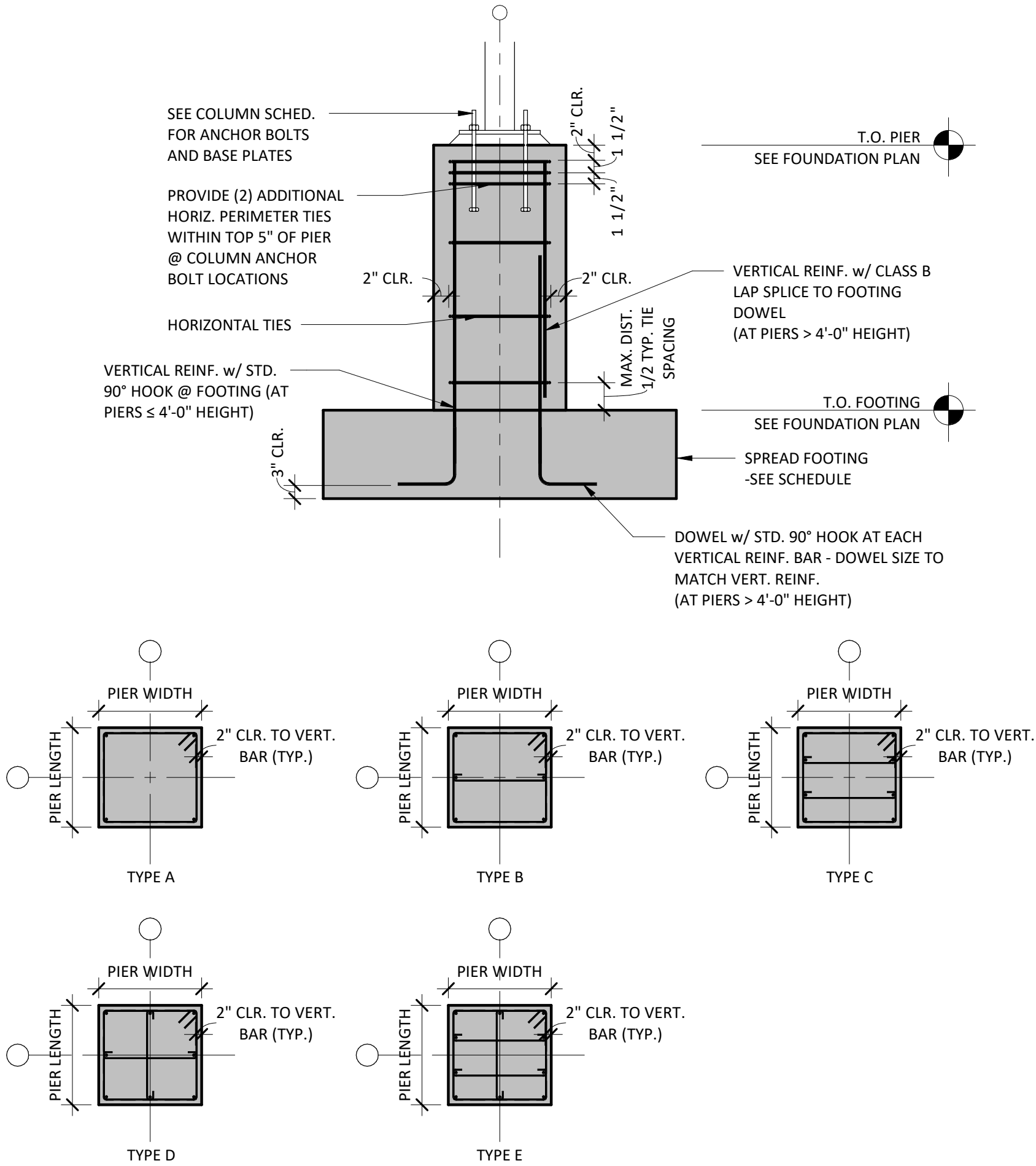
CORPORATE OFFICE
2080 PROFIT PLACE
DECEDE, WI 54516
PHONE: (920) 532-3828
EMAIL: BUILD@SMET.COM

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| PIER SCHEDULE | | | | | | |
|---------------|-------|--------|-----------------|-----------------|-----------------|---------|
| MARK | SIZE | | VERTICAL REINF. | HORIZONTAL TIES | REINF. TOP VIEW | REMARKS |
| | WIDTH | LENGTH | | | | |
| P7 | 16" | 18" | (6) #5 | #3 @ 12" O.C. | TYPE B | |
| P10 | 16" | 24" | (8) #5 | #3 @ 12" O.C. | TYPE C | |
| P50 | 24" | 24" | (8) #5 | #3 @ 12" O.C. | TYPE D | |
| P51 | 16" | 32" | (8) #5 | #3 @ 12" O.C. | TYPE C | |
| P52 | 18" | 32" | (8) #5 | #3 @ 12" O.C. | TYPE D | |

CONCRETE PIER SCHEDULE NOTES:

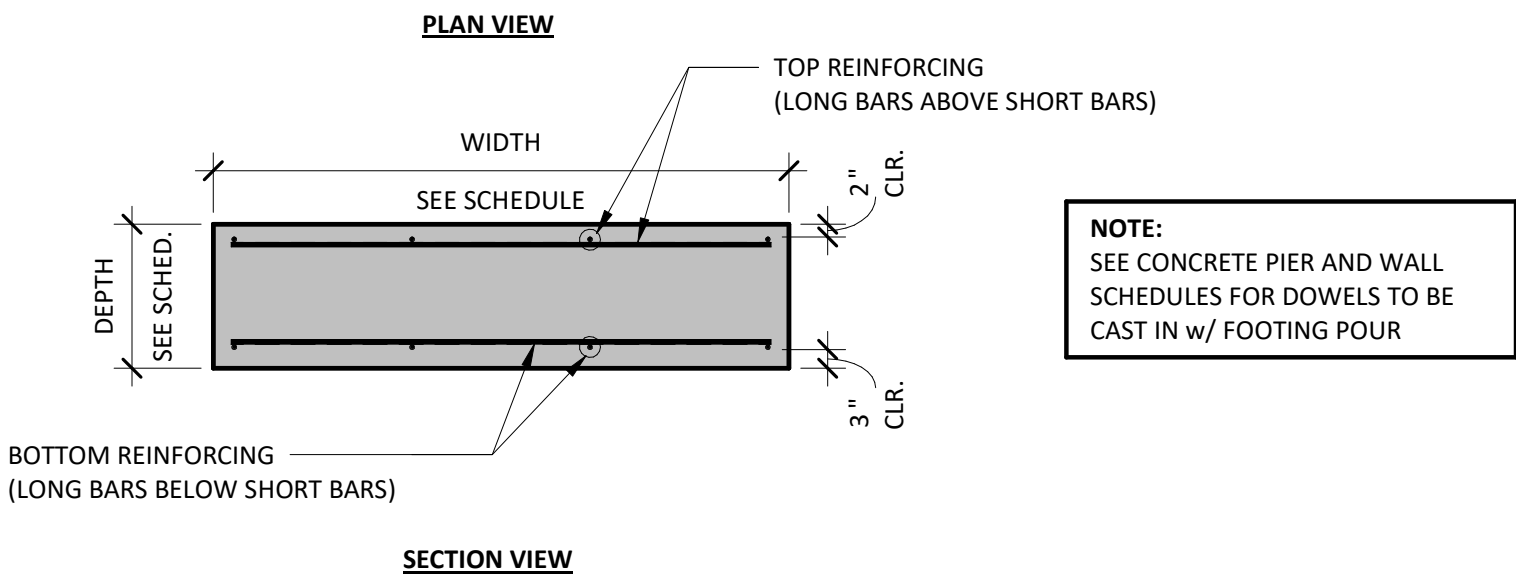
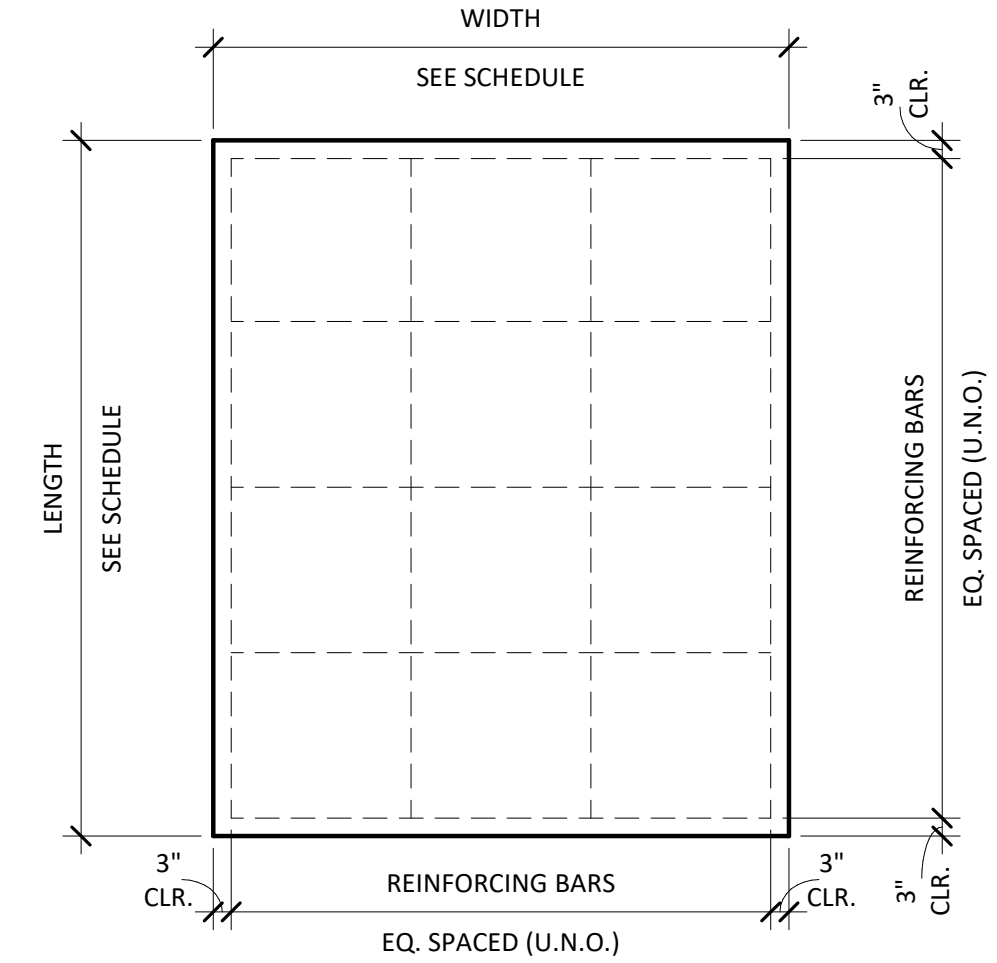
- SEE FOUNDATION PLAN FOR TOP OF PIER ELEVATIONS
- SEE CAST-IN-PLACE SPECIFICATIONS FOR MATERIAL SPECIFICATIONS
- SEE ANCHOR BOLT PLAN AND DETAILS FOR COLUMN ANCHOR BOLT INFORMATION
- VERTICAL REINF. BARS SHALL BE EQUALLY SPACED, U.N.O.
- HORIZONTAL TIES SHALL MEET REQ'S OF ACI 318-7.10.5.3 FOR LATERAL SUPPORT OF VERTICAL REINFORCING



| SPREAD FOOTING SCHEDULE | | | | | | | |
|-------------------------|--------------|---------|-------|---------------------------|-----|----------------------------|-----|
| MARK | FOOTING SIZE | | | REINFORCEMENT - LONG BARS | | REINFORCEMENT - SHORT BARS | |
| | LENGTH | WIDTH | DEPTH | BOTTOM | TOP | BOTTOM | TOP |
| F3 | 3' - 0" | 3' - 0" | 12" | (4) #4 | - | (4) #4 | - |
| F4 | 4' - 0" | 4' - 0" | 12" | (4) #5 | - | (4) #5 | - |
| F5.5 | 5' - 6" | 5' - 6" | 14" | (6) #5 | - | (6) #5 | - |

SPREAD FOOTING SCHEDULE NOTES:

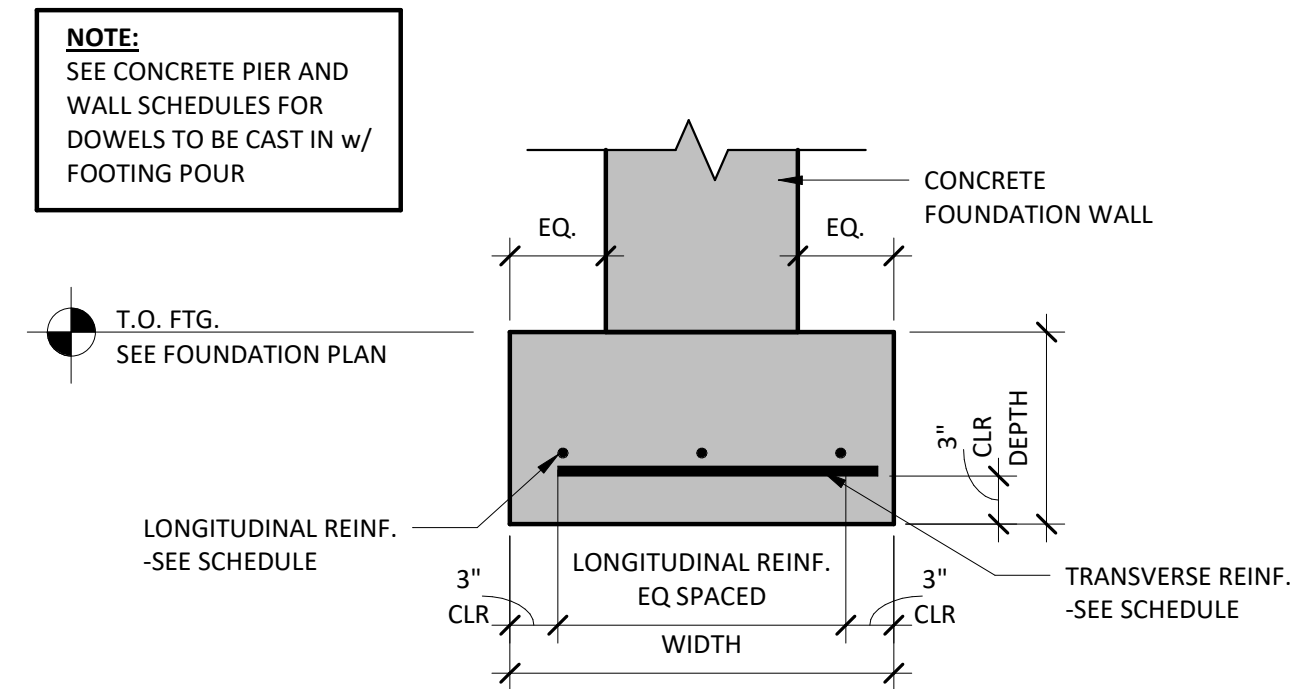
- SEE FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS
- SEE CAST-IN-PLACE SPECIFICATIONS FOR MATERIAL SPECIFICATIONS
- SEE ANCHOR BOLT PLAN AND DETAILS FOR COLUMN ANCHOR BOLT INFORMATION



| 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 CAST-IN-PLACE SPECIFICATIONS FOR MATERIAL SPECIFICATIONS
- SEE CAST-IN-PLACE SPECIFICATIONS FOR MATERIAL SPECIFICATIONS
- SEE FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS

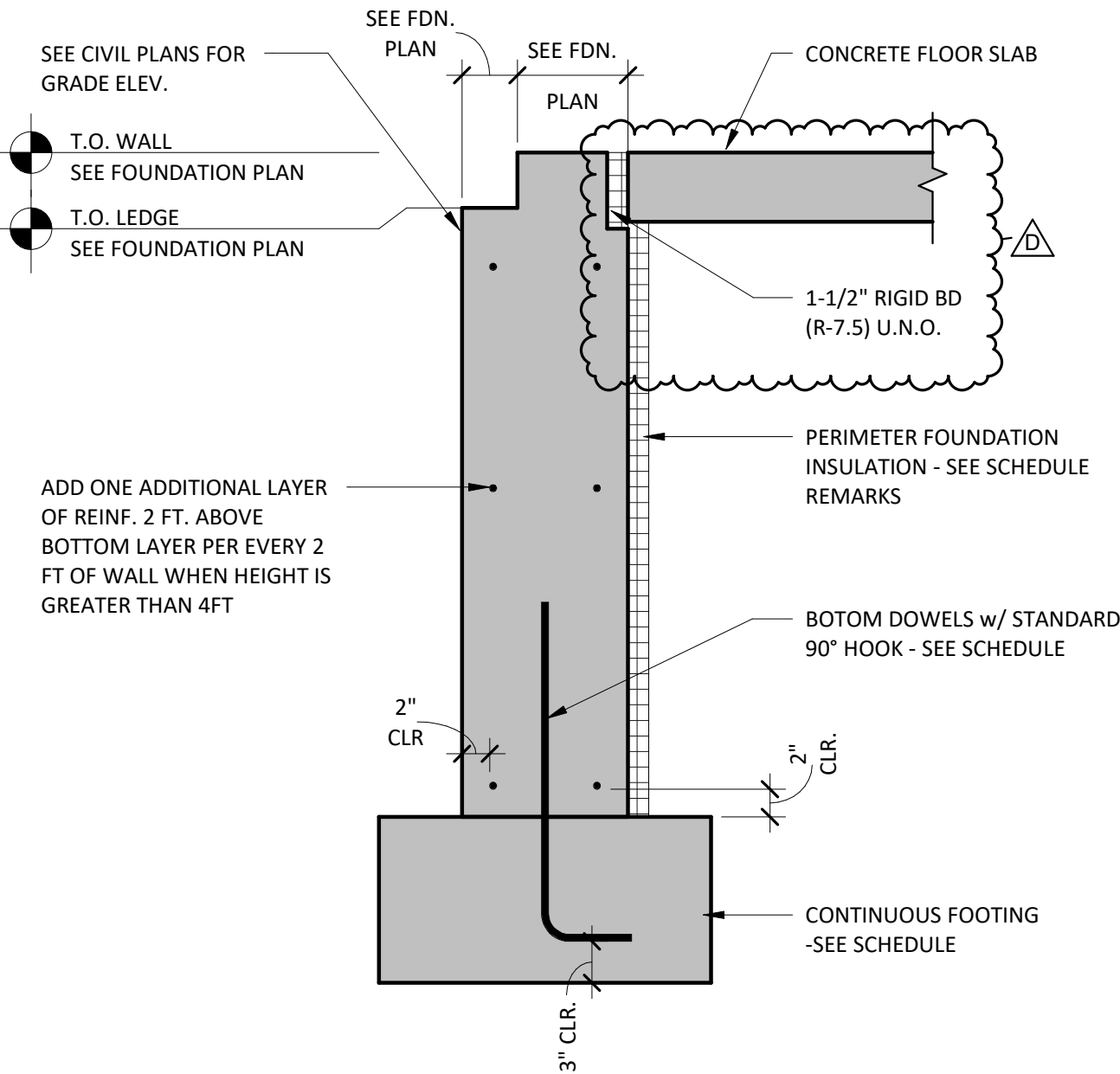
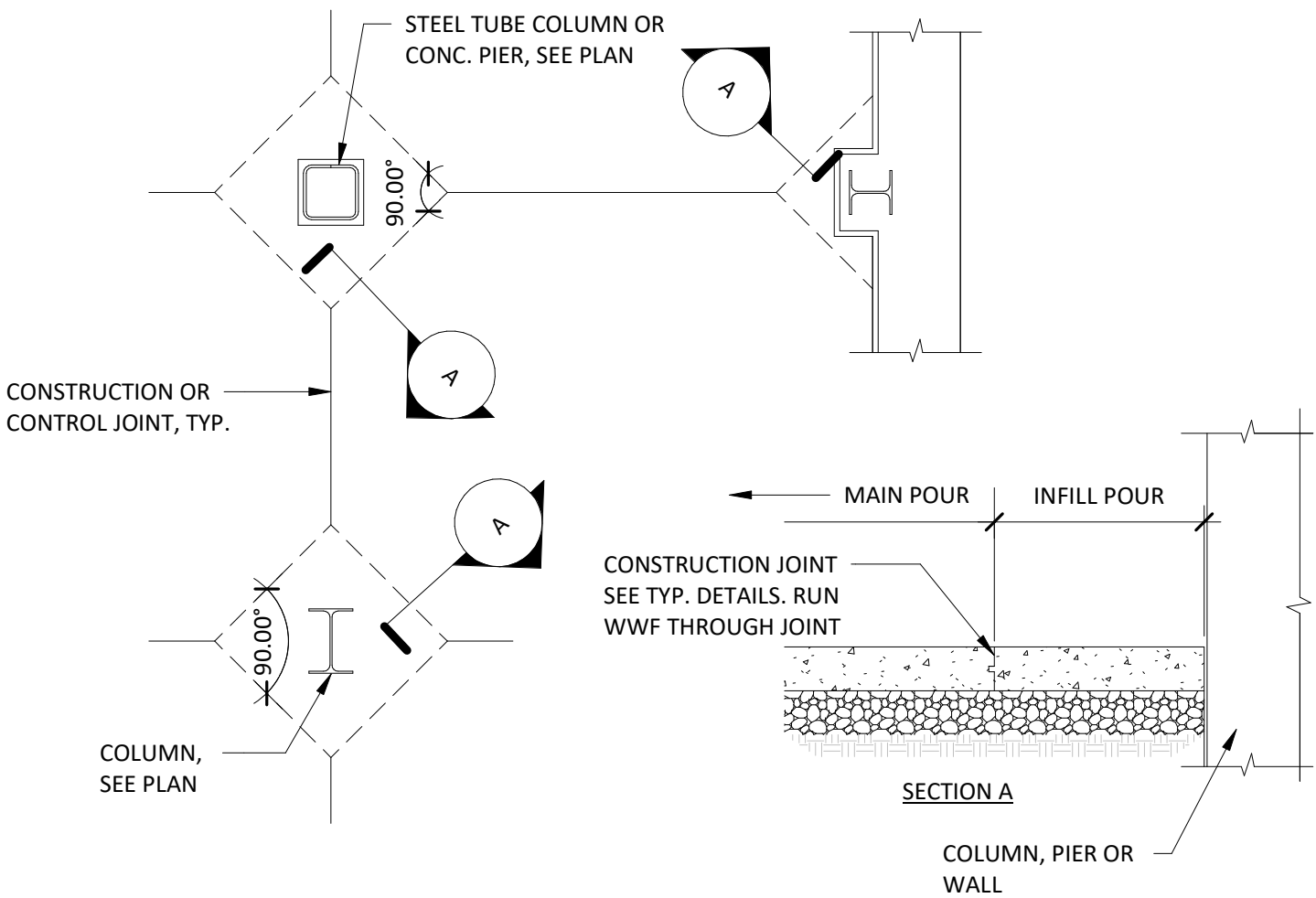


| FROST WALL SCHEDULE | | | | |
|---------------------|-------|-------------------|--------------------------|-------------------------|
| MARK | WIDTH | HORIZONTAL REINF. | BOTTOM DOWEL | REMARKS |
| FW8 | 8" | (2) #4 TOP & BOT. | STRAIGHT 30" #4 48" O.C. | 1-1/2" BD INSUL (R-7.5) |
| FW12 | 12" | (2) #4 TOP & BOT. | STRAIGHT 30" #4 48" O.C. | 1-1/2" BD INSUL (R-7.5) |

CONCRETE FROST WALL SCHEDULE NOTES:

- SEE FOUNDATION PLAN FOR TOP OF WALL & LEDGE (IF APPLICABLE) ELEVATIONS
- SEE CAST-IN-PLACE SPECIFICATIONS FOR MATERIAL SPECIFICATIONS
- DOCK WALLS TO BE REFERENCED ON PLAN ACCORDINGLY

NOTE:
THIS DETAIL IS FOR FROST WALLS ONLY. FOR RETAINING WALLS SEE CORRESPONDING WALL DETAIL



OUR REPUTATION IS BUILDING

CONSTRUCTION OFFICE
2000 PROFIT PLACE
DEERFIELD, WI 54115

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REVISIONS

| | R-VALUES / RTU'S | | | | | | | |
|----------|------------------|--|--|--|--|--|--|--|
| 04-29-24 | | | | | | | | |
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PROJECT INFO:

MASSMAN
CORPORATE INC.

FOUNDATION
SCHEDULES &
DETAILS

DRAWN BY:
Author

SALES:

SMET NO.:

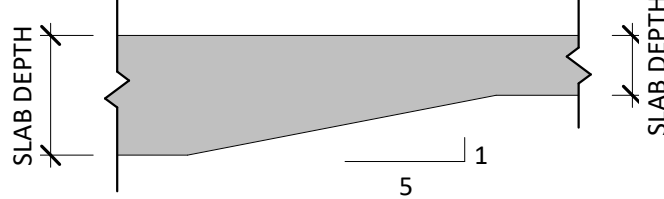
SHEET:

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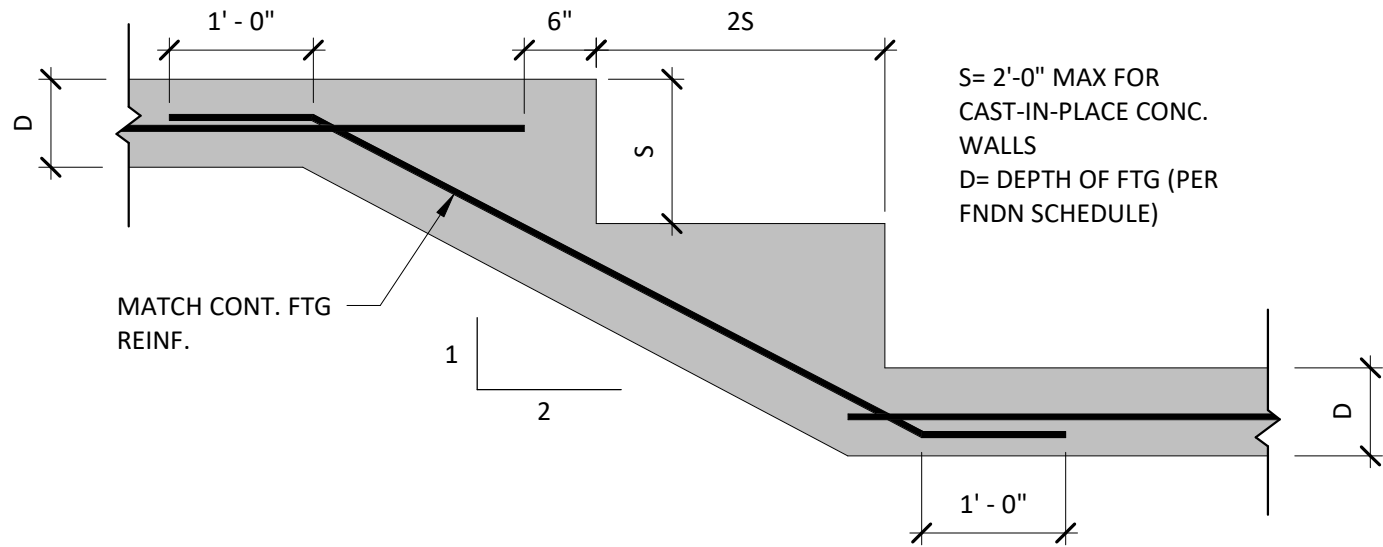
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SCALE: As indicated



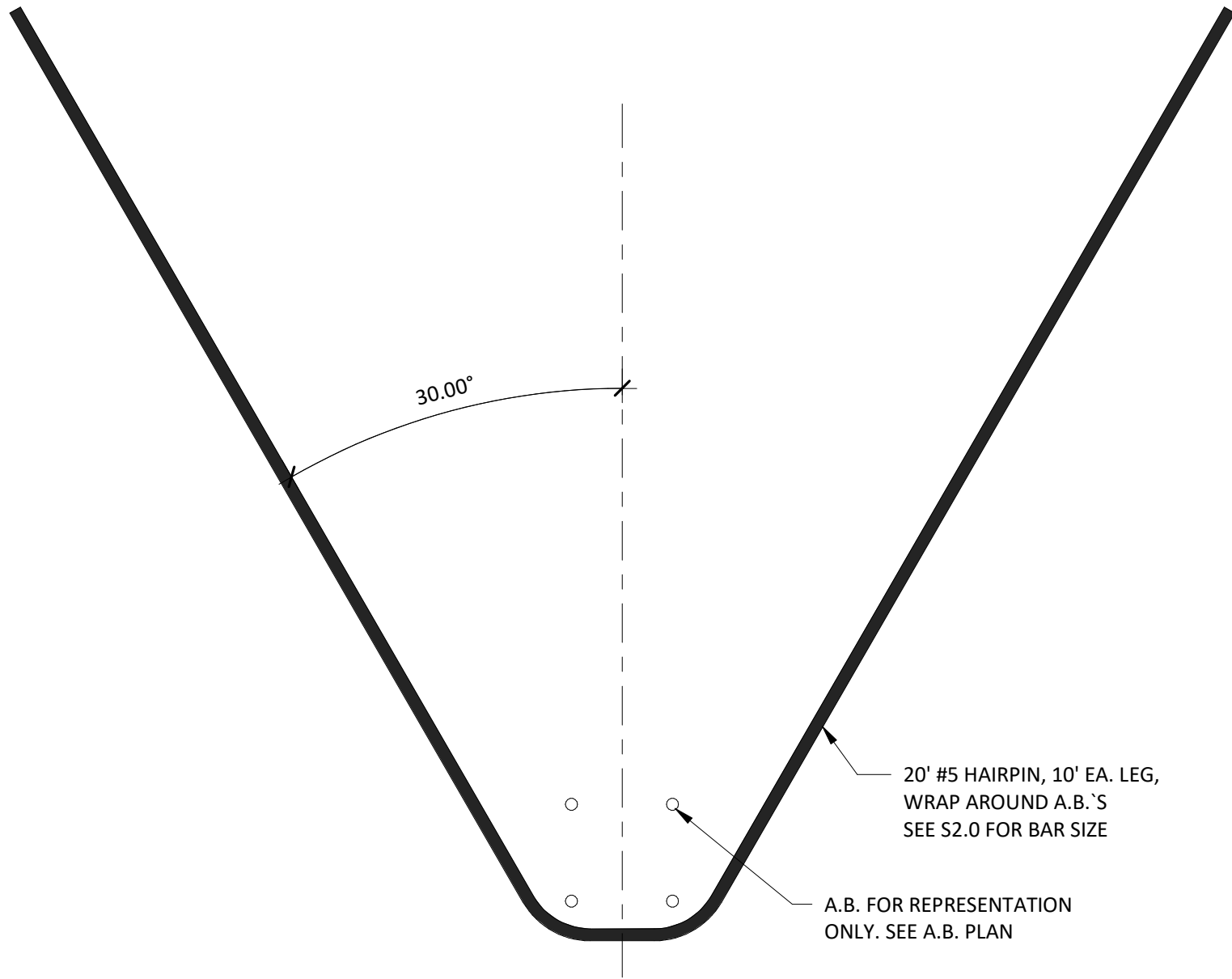
SLAB THICKNESS CHANGE DETAIL

4 /S2.1 SCALE = 3/4" = 1'-0"



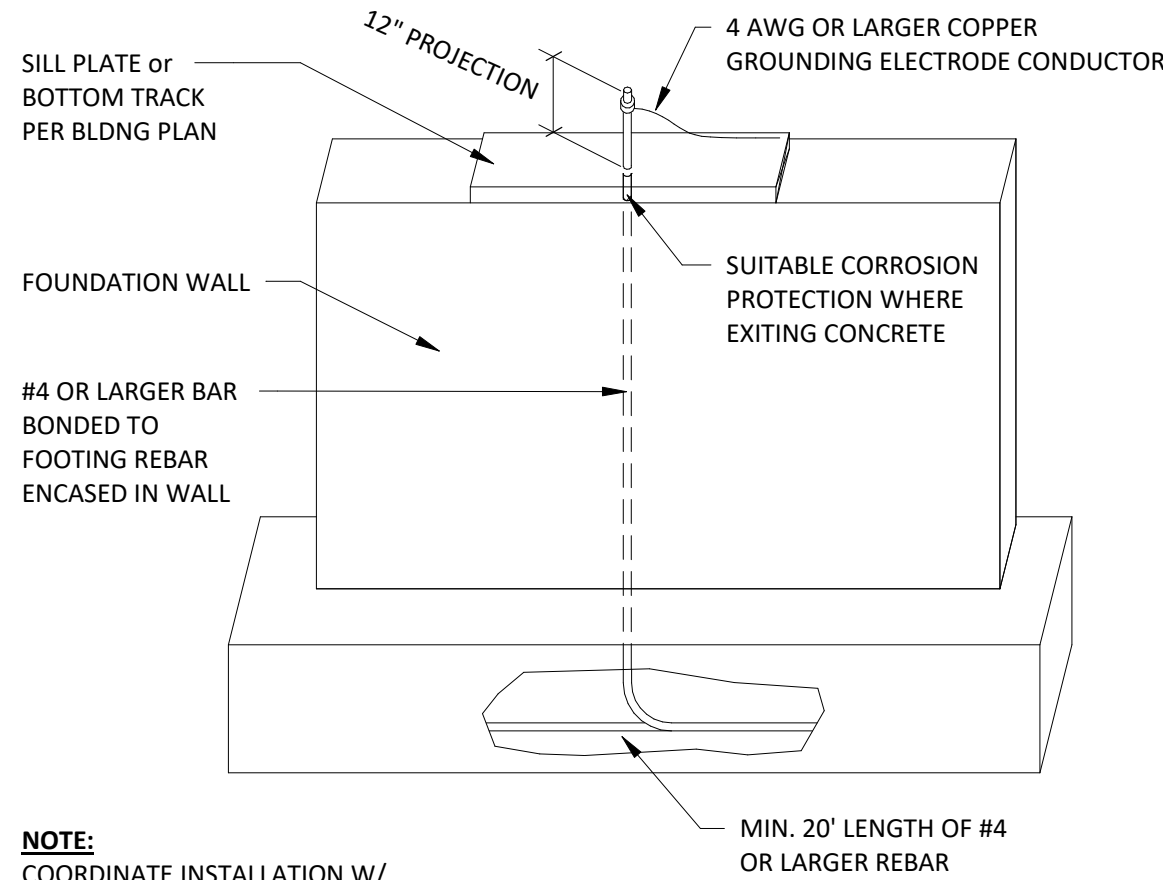
FOOTING STEP

3 /S2.1 SCALE = 3/4" = 1'-0"



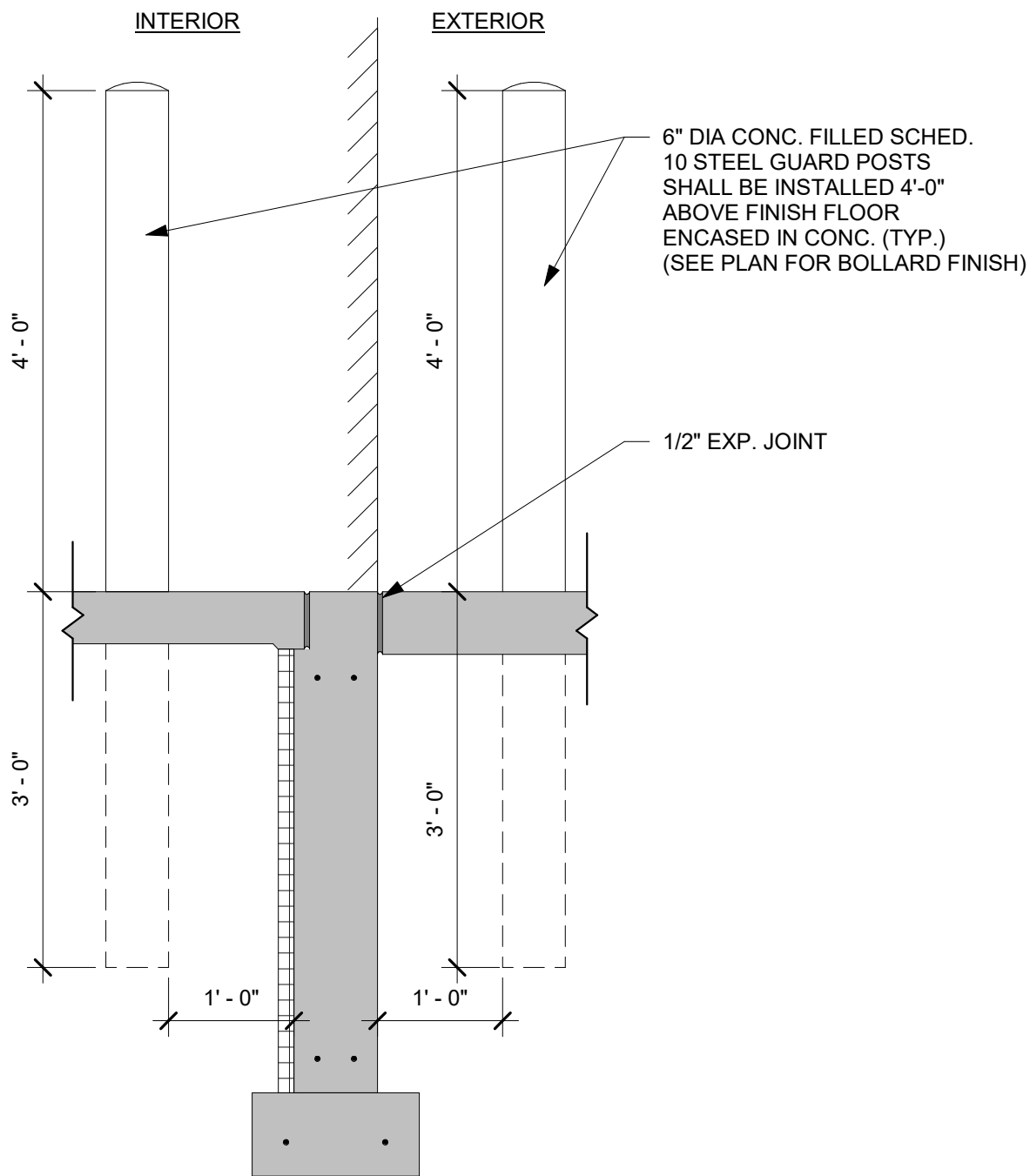
HAIRPIN-HP1

2 /S2.1 SCALE = 3/4" = 1'-0"



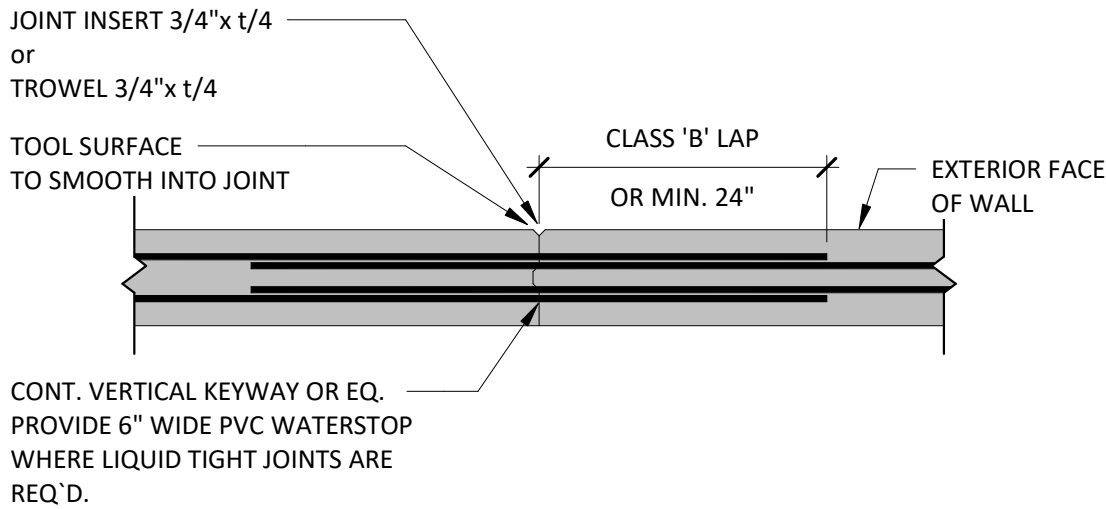
CONCRETE ENCASED ELECTRODE FROST WALL

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



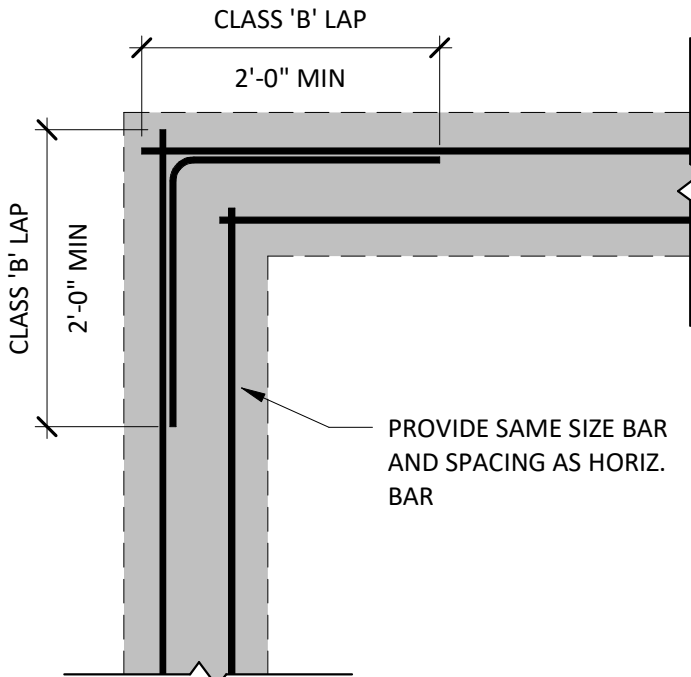
BOLLARD DETAIL

8 /S2.1 SCALE = 3/4" = 1'-0"



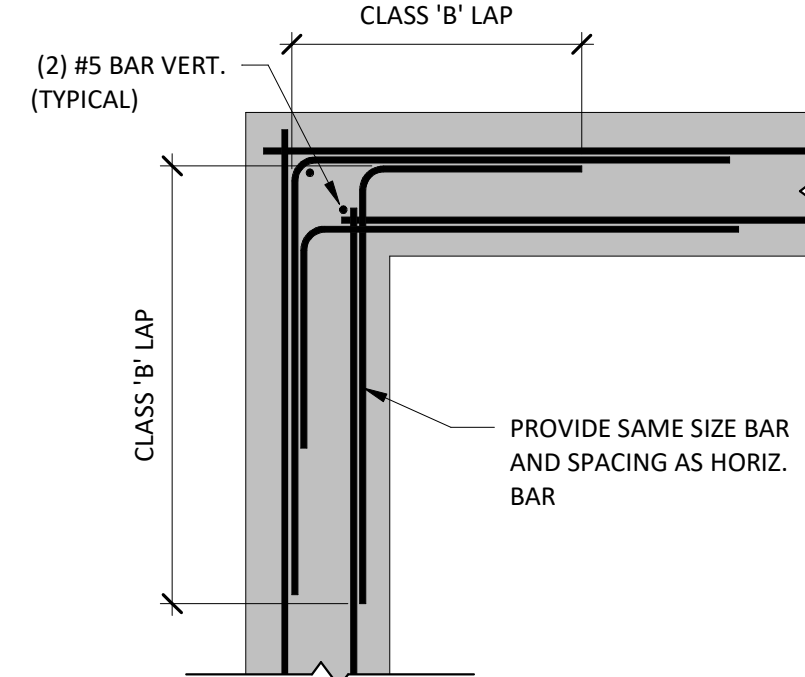
WALL VERTICAL CONST. JOINT

7 /S2.1 SCALE = 3/4" = 1'-0"



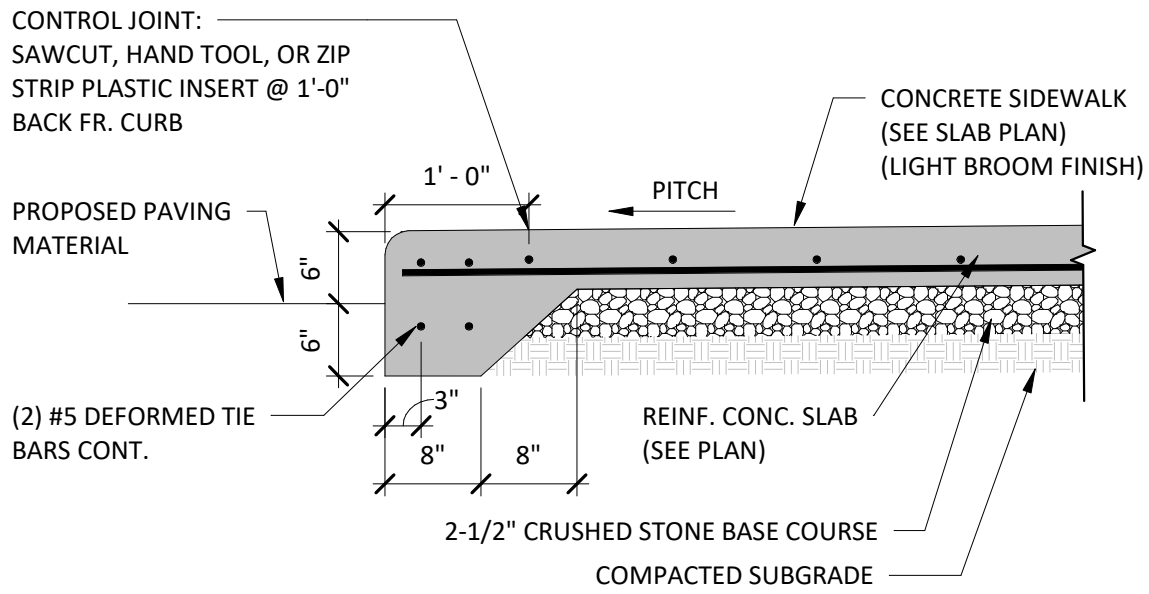
FOOTING CORNER REINFORCEMENT

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



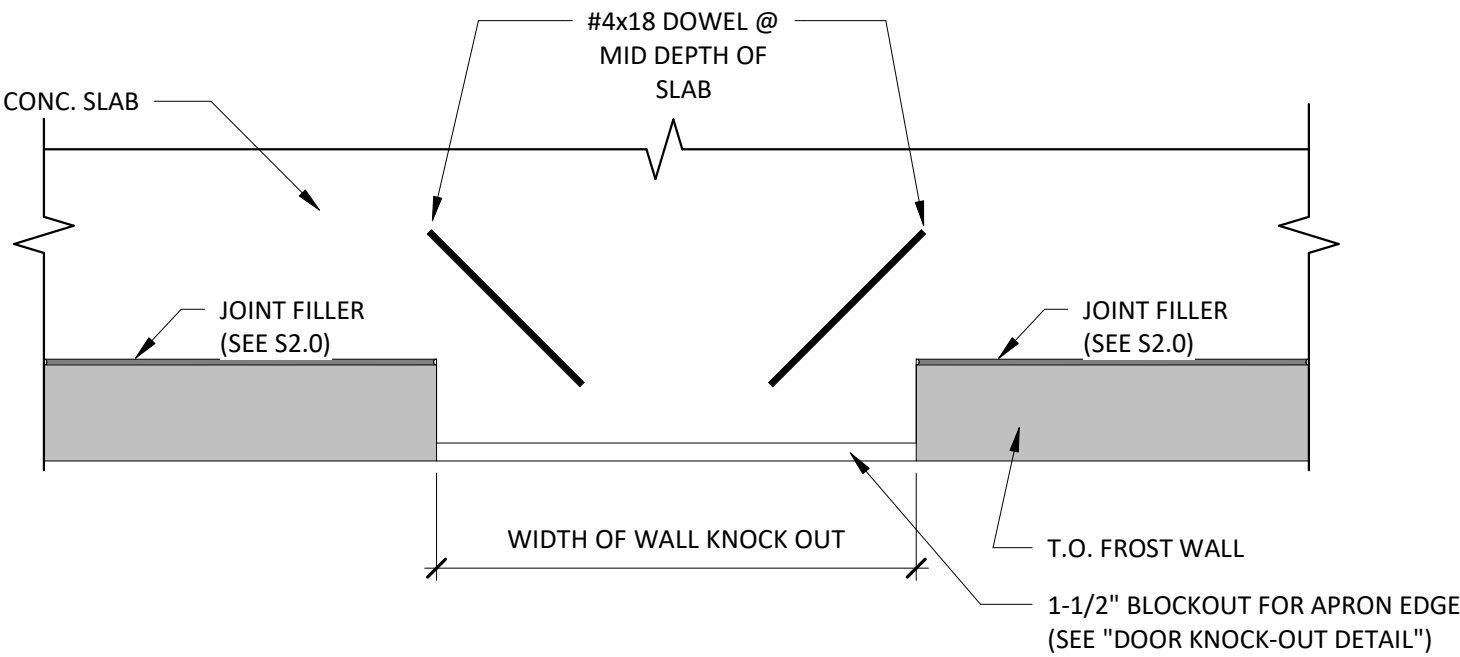
WALL CORNER REINFORCEMENT DOUBLE MAT

5 /S2.1 SCALE = 3/4" = 1'-0"



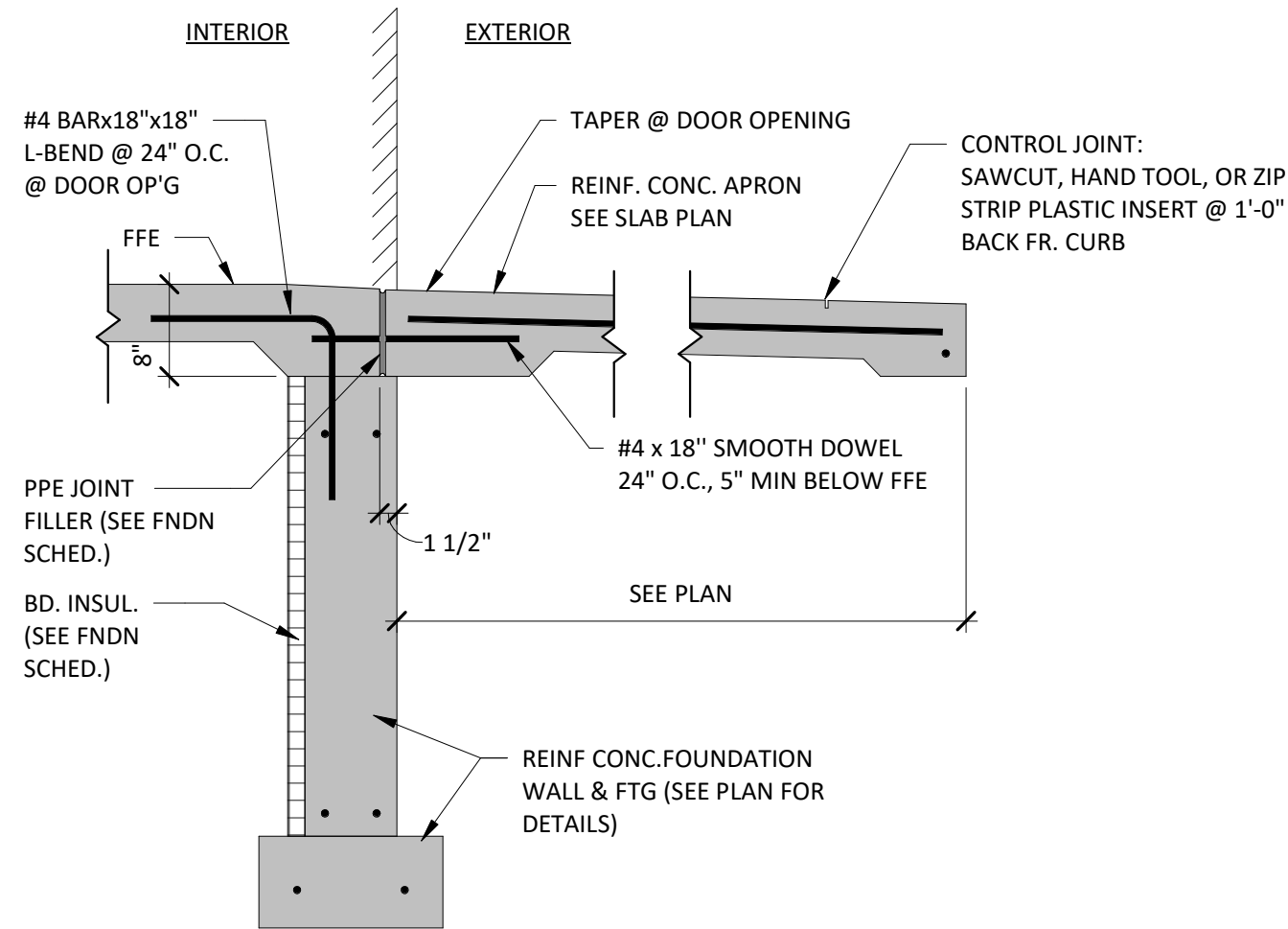
INTEGRAL CONCRETE CURB & SIDEWALK DETAIL

11 /S2.1 SCALE = 3/4" = 1'-0"



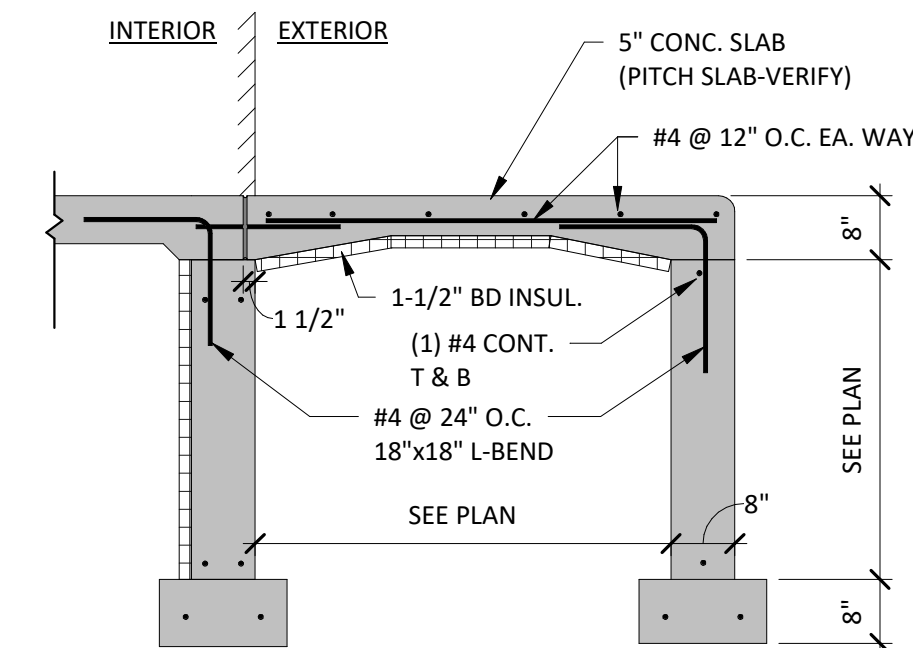
REBAR @ ALL DOOR OPENINGS

10 /S2.1 SCALE = 3/4" = 1'-0"



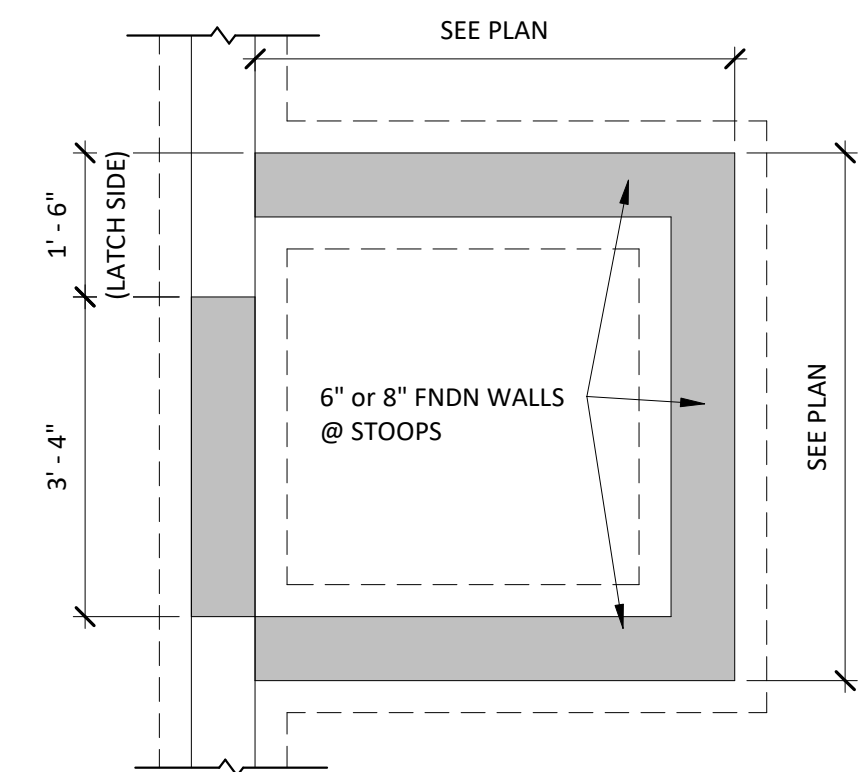
APRON DETAIL

9 /S2.1 SCALE = 3/4" = 1'-0"



STOOP DIMENSIONS AT SERVICE DOORS

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



DOOR KNOCK-OUT DETAIL

13 /S2.1 SCALE = 3/4" = 1'-0"

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PROJECT INFO:

MASSMAN
CORPORATE INC.

FOUNDATION
DETAILS

DRAWN BY:

Author

SMET NO.:

22106

ARCHT. NO.:

SALES:

SHEET:

S2.1

DATE: 4/30/2024 7:52:33 AM

SCALE: As indicated

SMET
CONSTRUCTION SERVICES

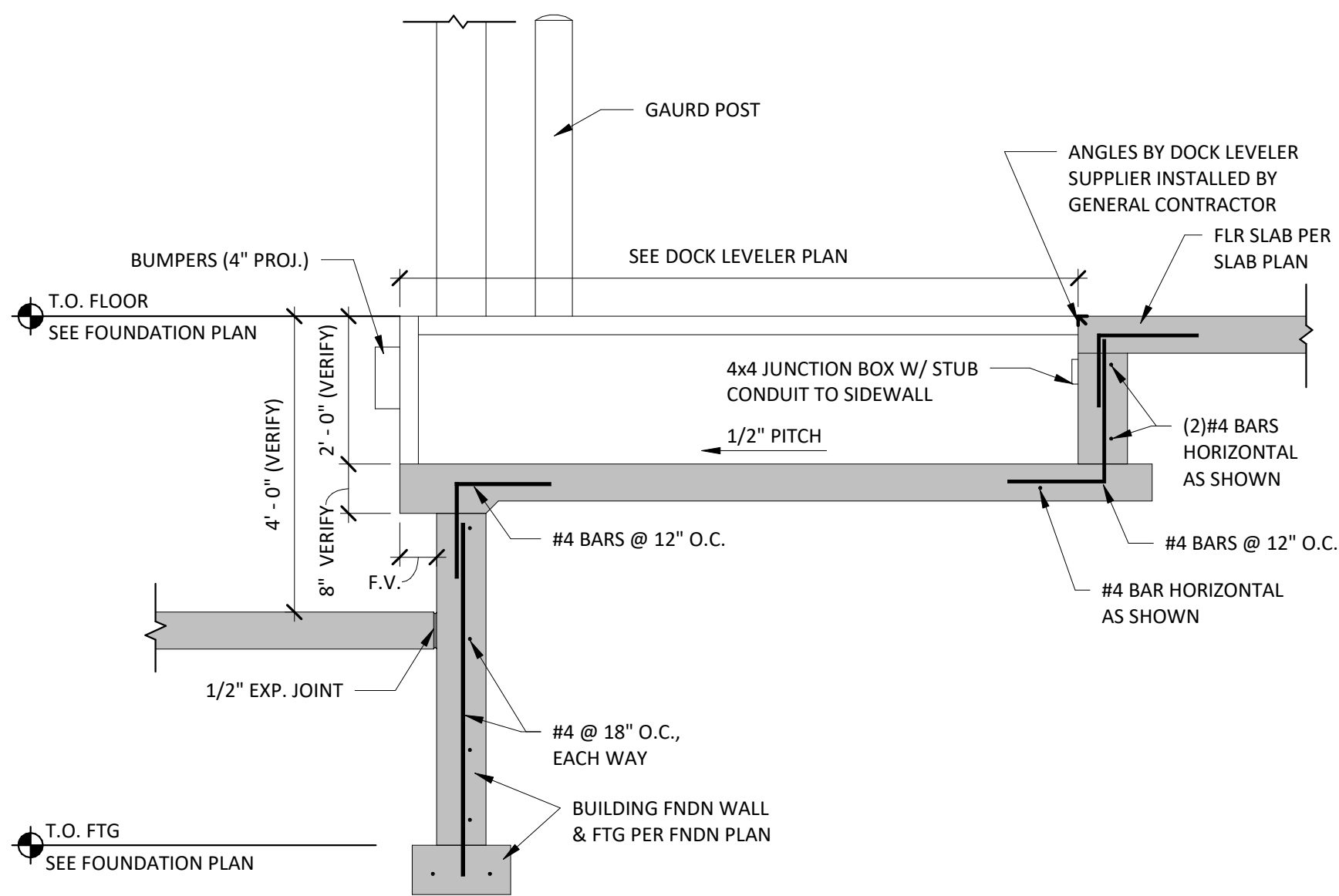
OUR REPUTATION IS BUILDING

CONSTRUCTION OFFICE
2000 PROFIT PLACE
DEPERE, WI 54115

PHONE: (920) 848-7878
FAX: (920) 848-7878
EMAIL: INFO@SMET.COM

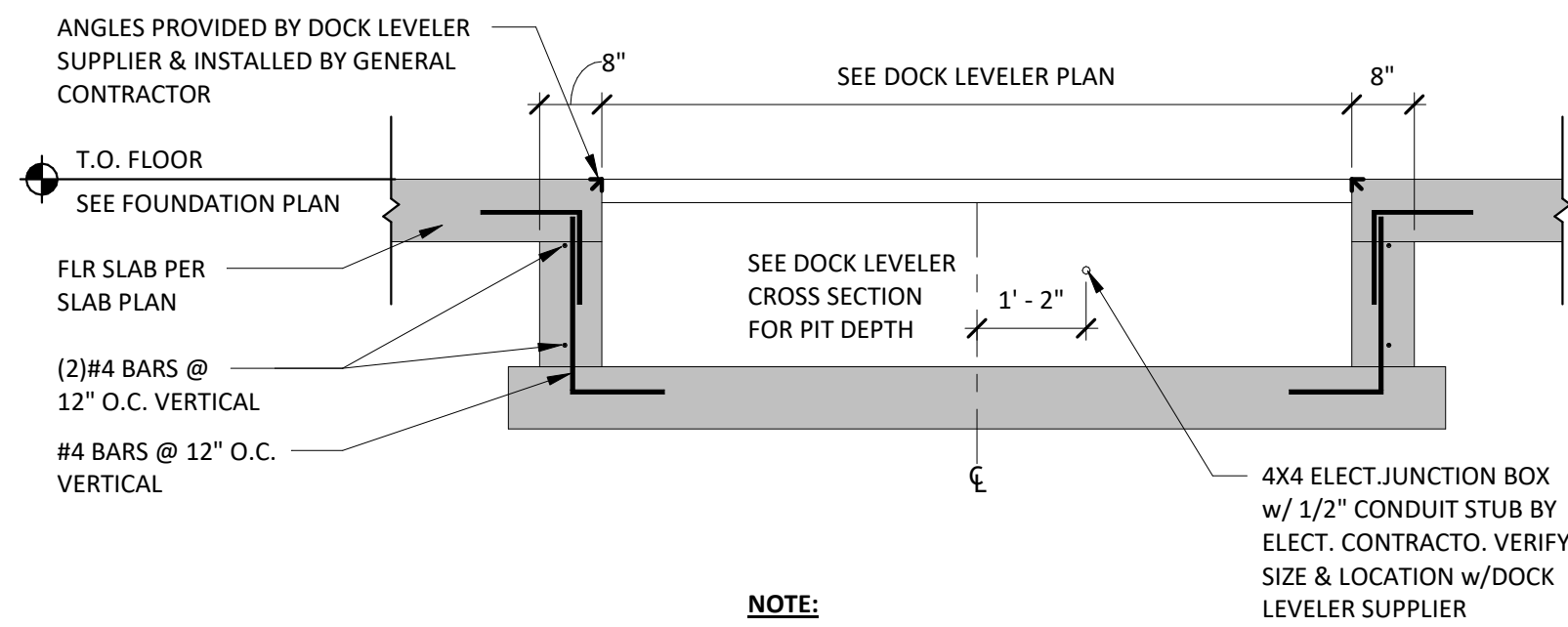
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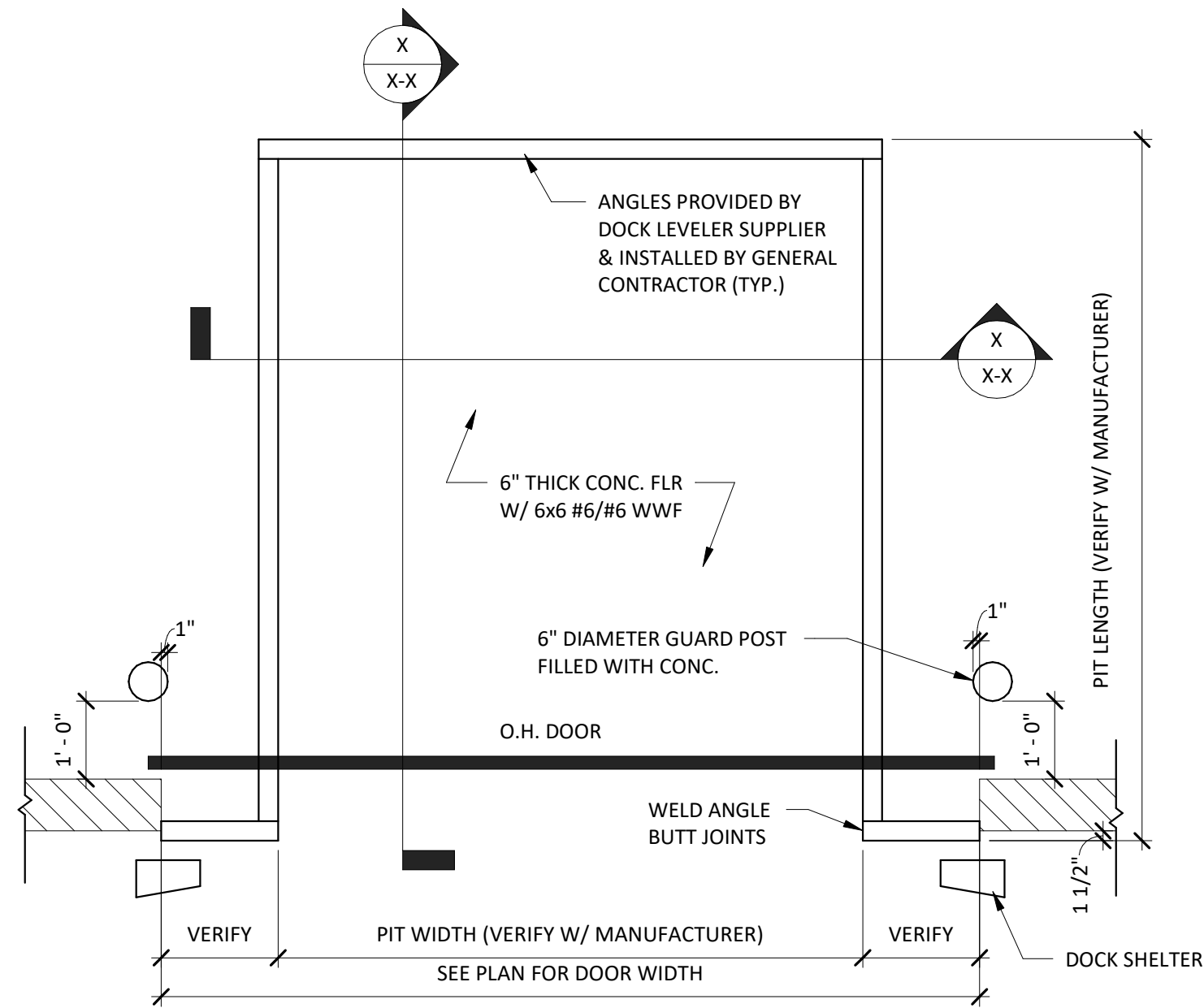
DOCK LEVELER (LONGITUDINAL) CROSS SECTION

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



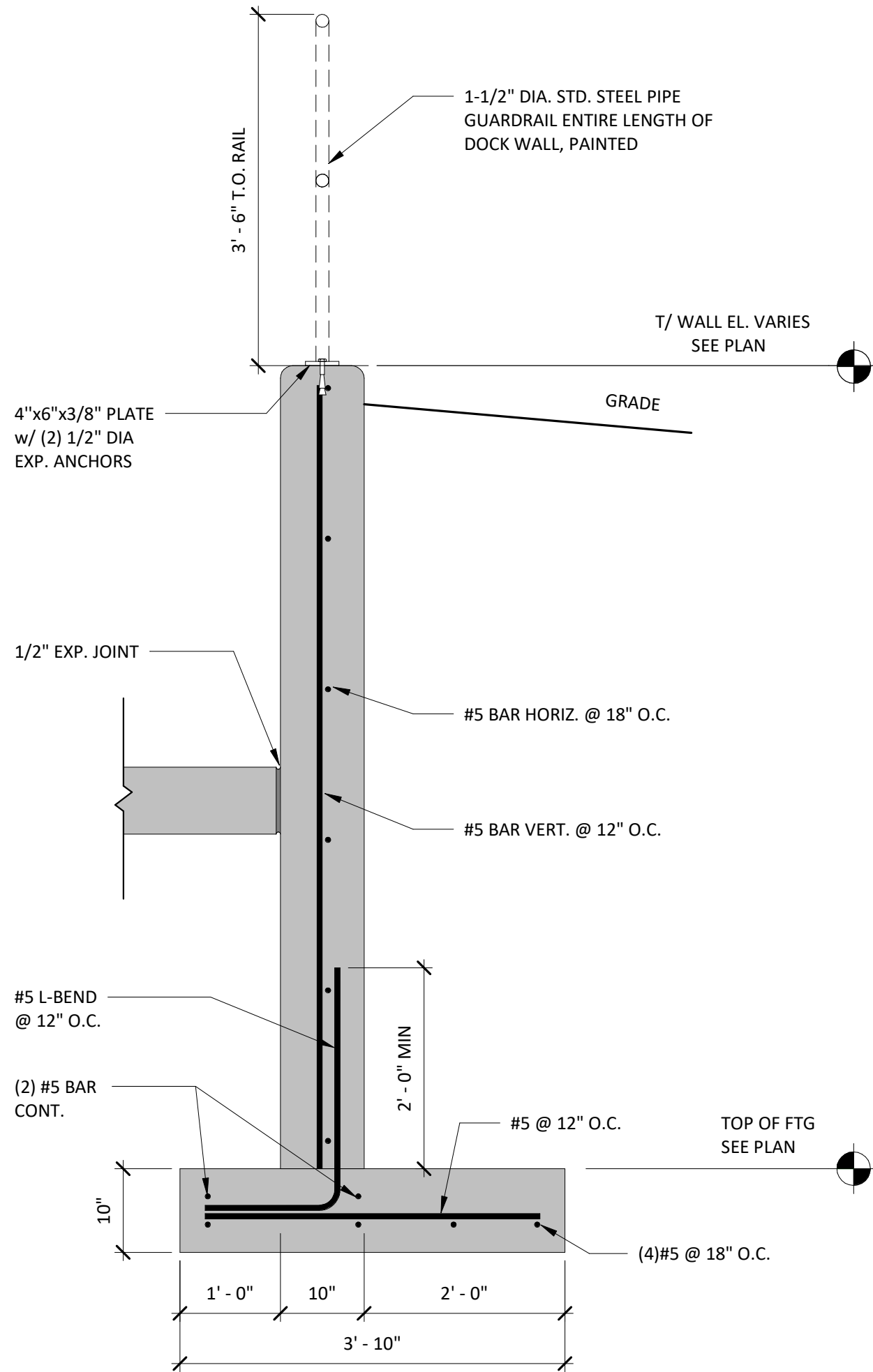
DOCK LEVELER CROSS SECTION

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



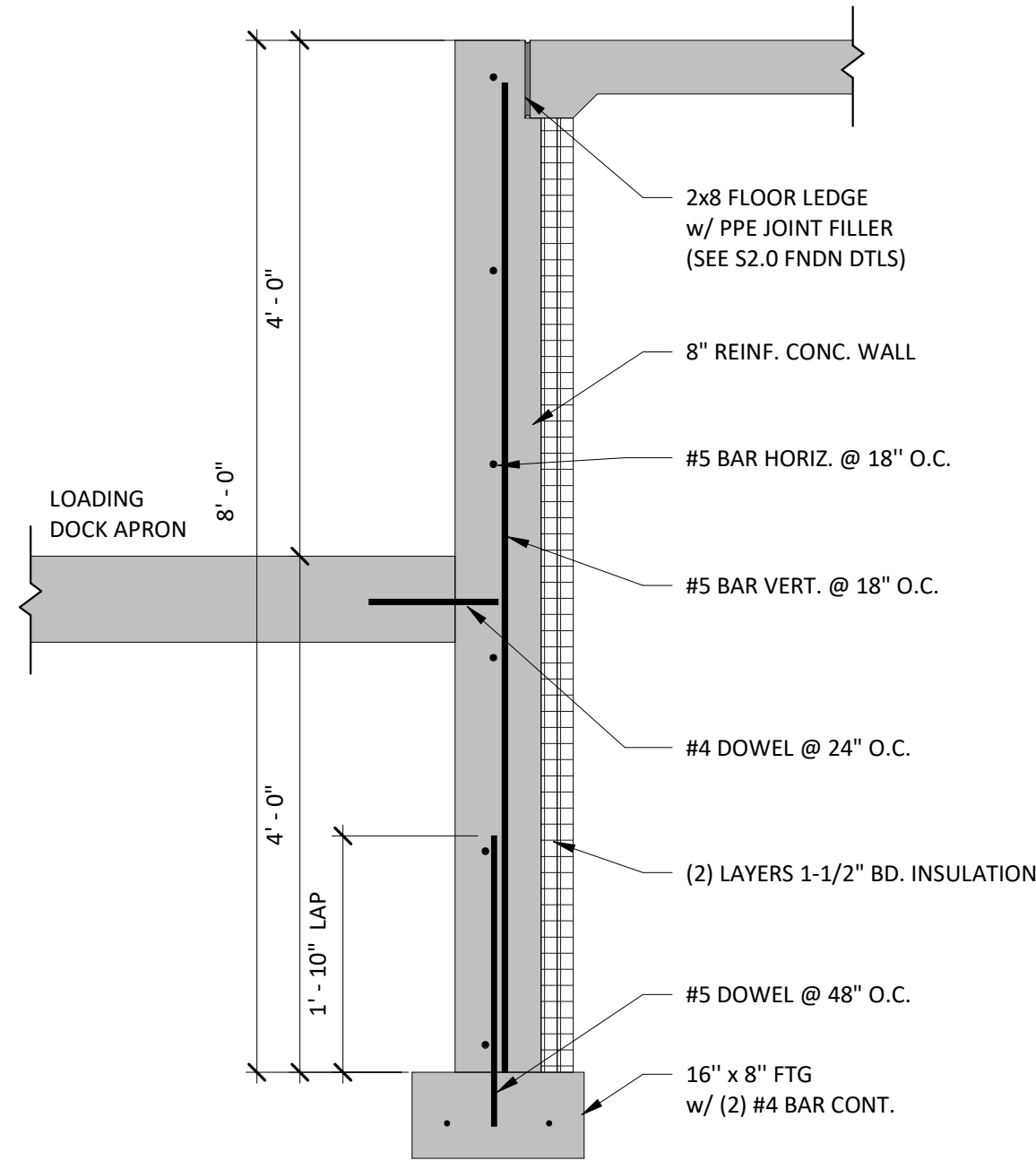
DOCK LEVELER PLAN VIEW

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



10' x 8'-0" LOADING DOCK RETAINING WALL

5 /S2.2 SCALE = 3/4" = 1'-0"



8' x 8'-0" DOCK WALL DETAIL

4 /S2.2 SCALE = 3/4" = 1'-0"

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PROJECT INFO:

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CORPORATE INC.
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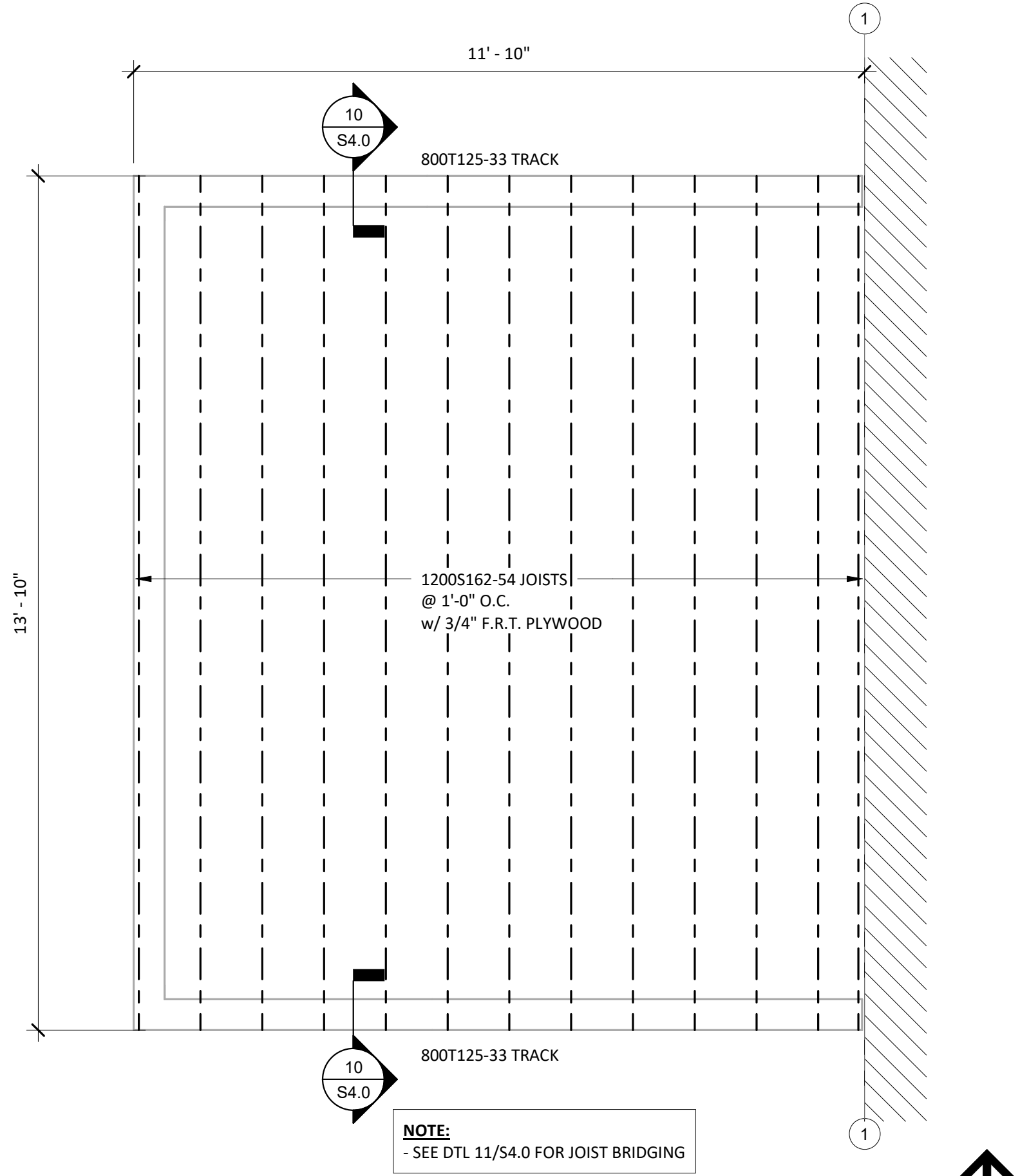
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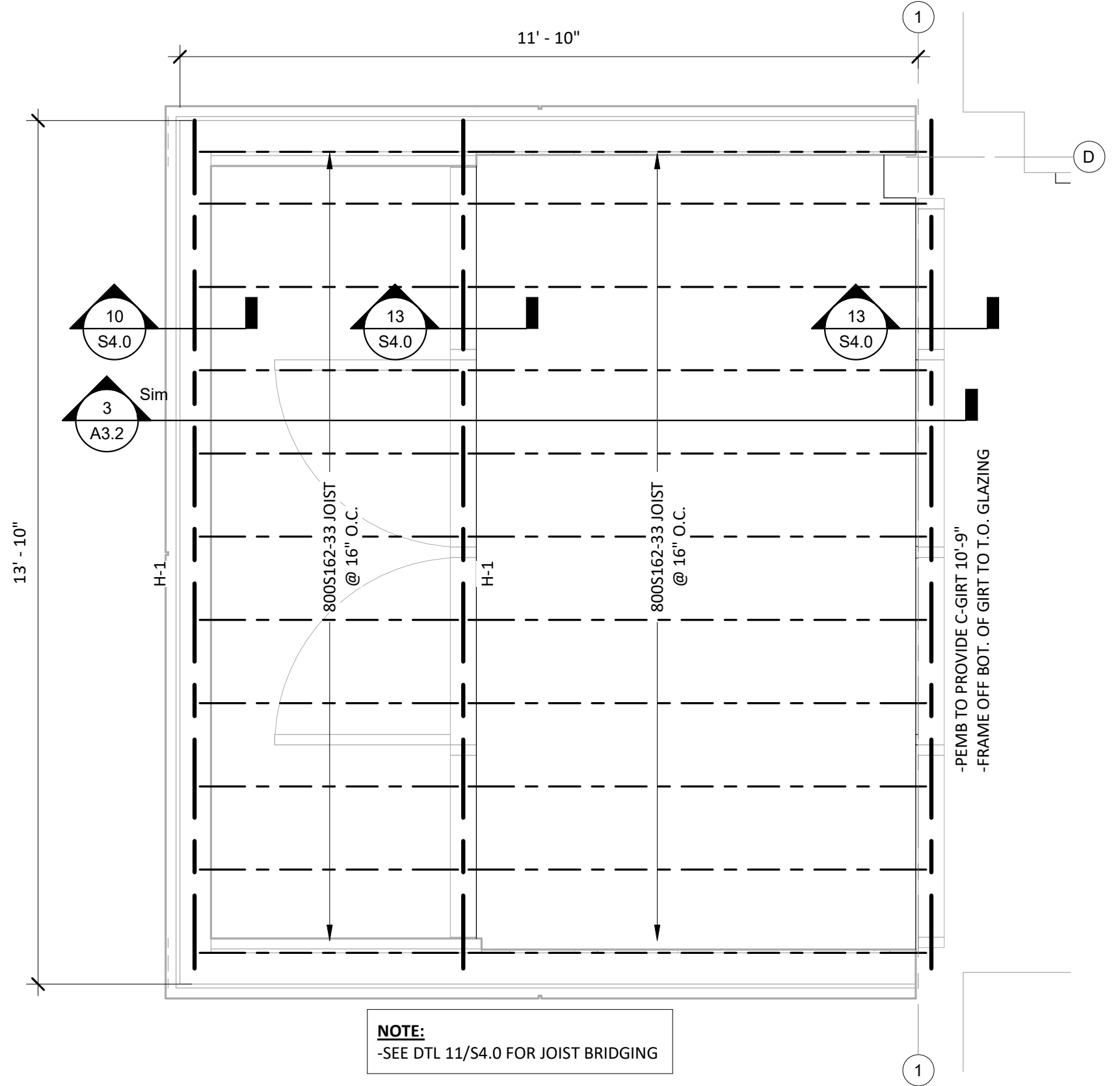
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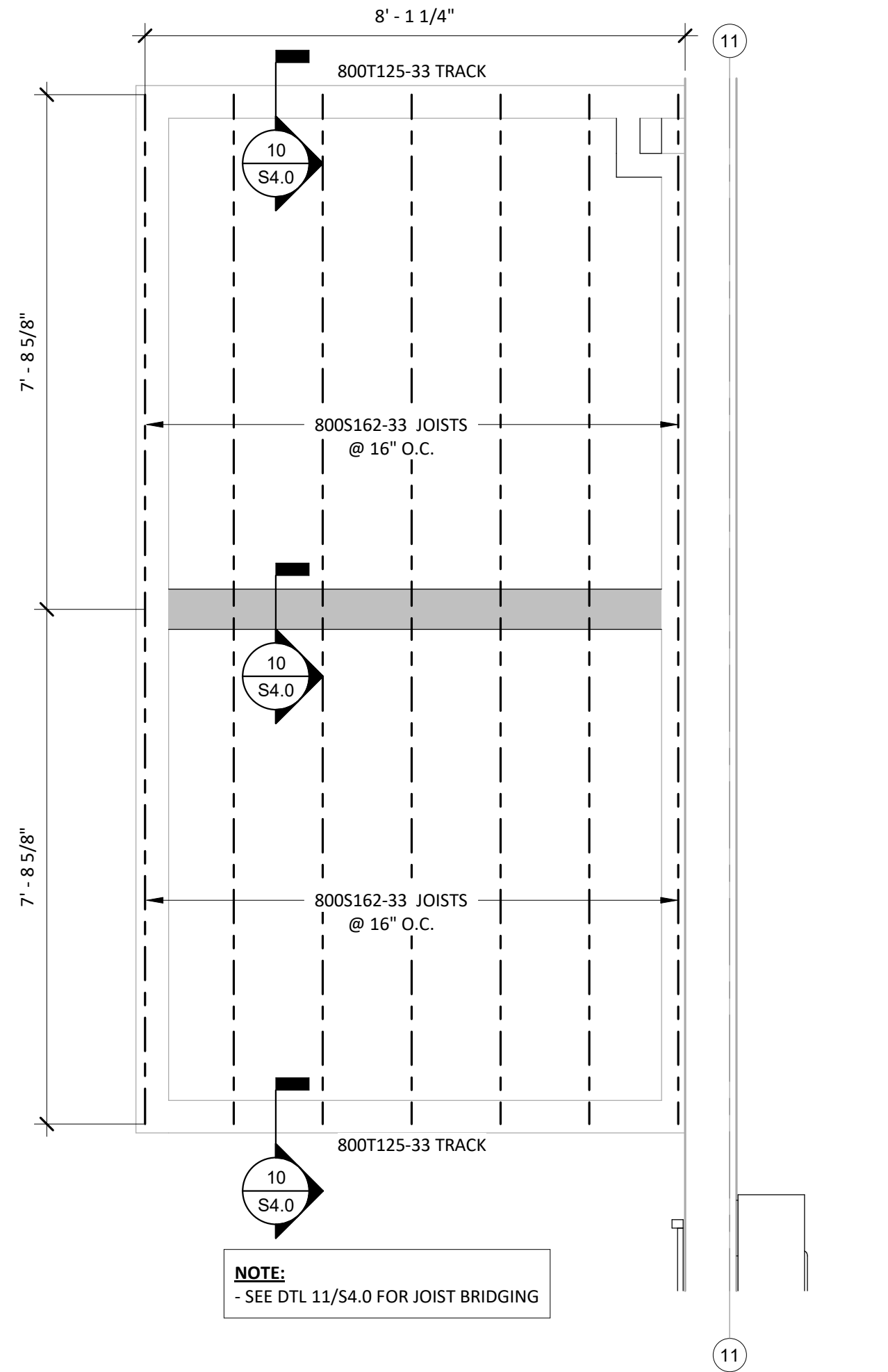
SCALE: As indicated



FRAMING PLAN - VESTIBULE ROOF
2 / S3.0 SCALE = 1/2" = 1'-0"



FRAMING PLAN - CEILING VESTIBULE
1 / S3.0 SCALE = 1/2" = 1'-0"



FRAMING PLAN - SHOP RESTROOMS
3 / S3.0 SCALE = 1/2" = 1'-0"

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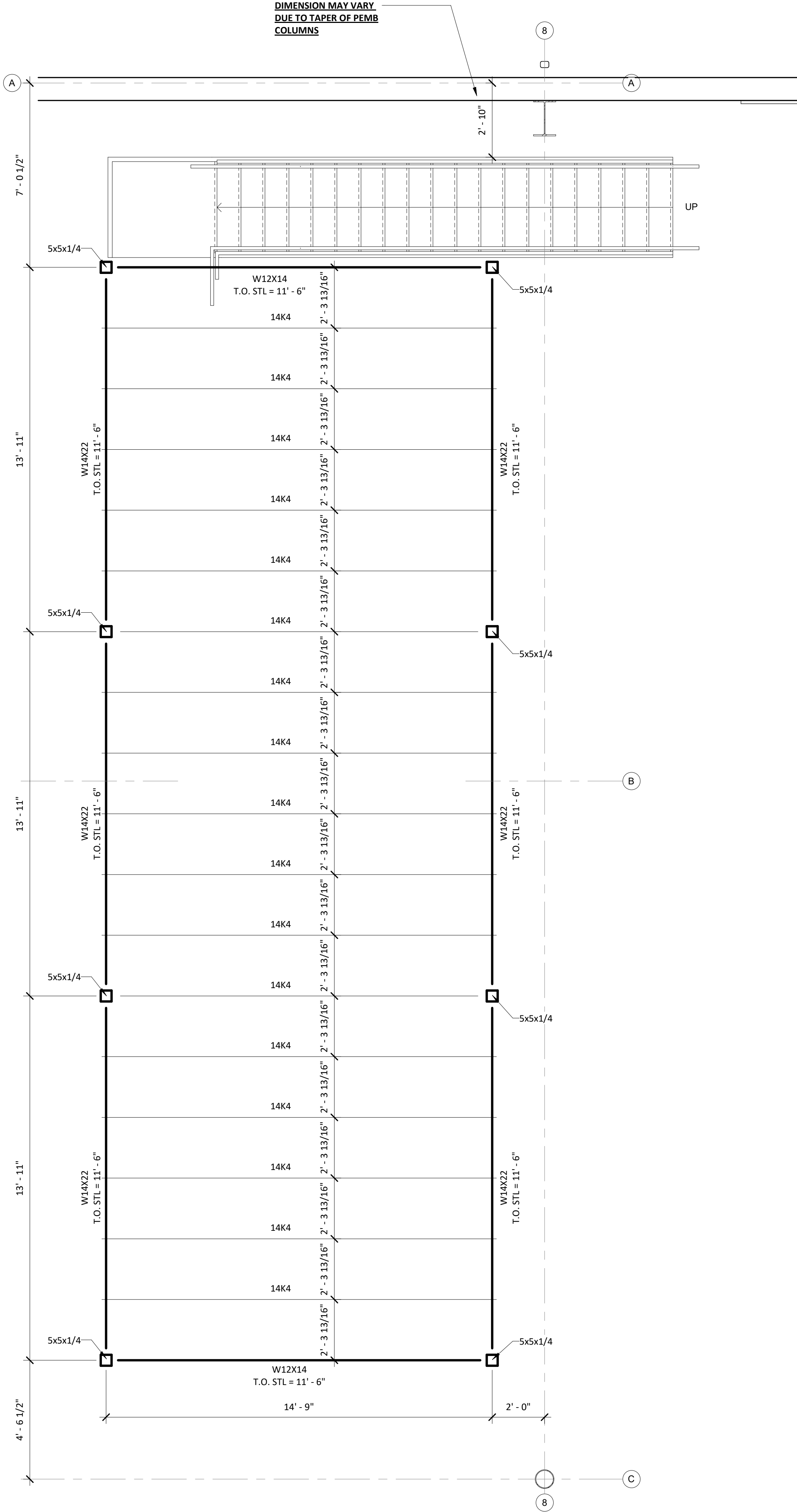
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MASSMAN
CORPORATE INC.

FRAMING PLANS -
VESTIBULE / SHOP
REST.

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



ALTERNATE PRICE FOR MEZZANINE
FRAMING PLAN - STANDALONE MEZZANINE
1/S3.1 SCALE = 3/8" = 1'-0"



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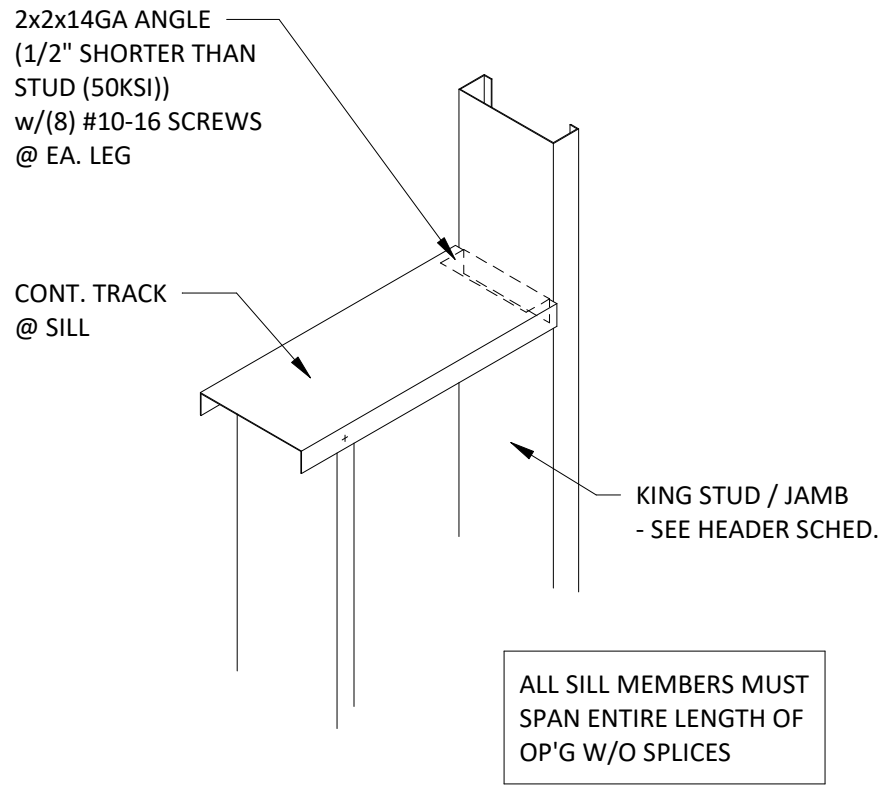
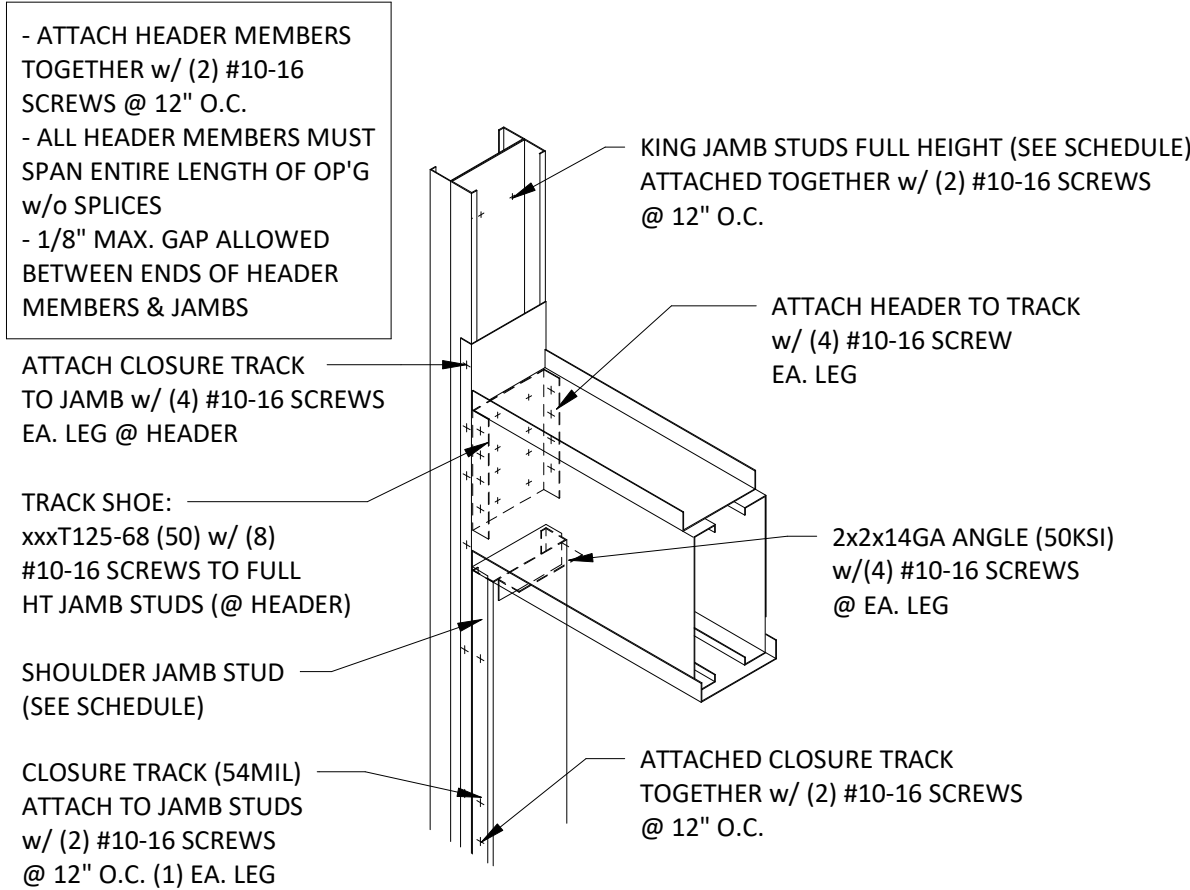
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PROJECT INFO:
MASSMAN
CORPORATE INC.
FRAMING PLAN -
STANDALONE
MEZZANINE

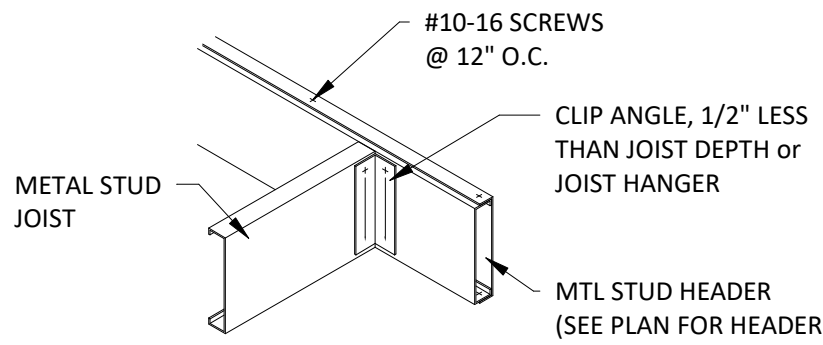
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| DRAWN BY: Author | | SALES: | |
| SMET NO.: 22106 | | SHEET: S3.1 | |
| ARCHT. NO.: | | | |
| DATE: 4/30/2024 7:52:34 AM | | | |
| SCALE: 3/8" = 1'-0" | | | |

| CFS HEADER SCHEDULE | | | | | | | | | |
|---------------------|--------|------------|-------|-------|------------|-------|------|------------|-------|
| MARK | HEADER | | | TRACK | | | JAMB | | |
| | No. | SIZE | GRADE | No. | SIZE | GRADE | No. | SIZE | GRADE |
| H-1 | 2 | 800S350-54 | 50 | 2 | 800T125-54 | 50 | 2 | 800S300-97 | 50 |



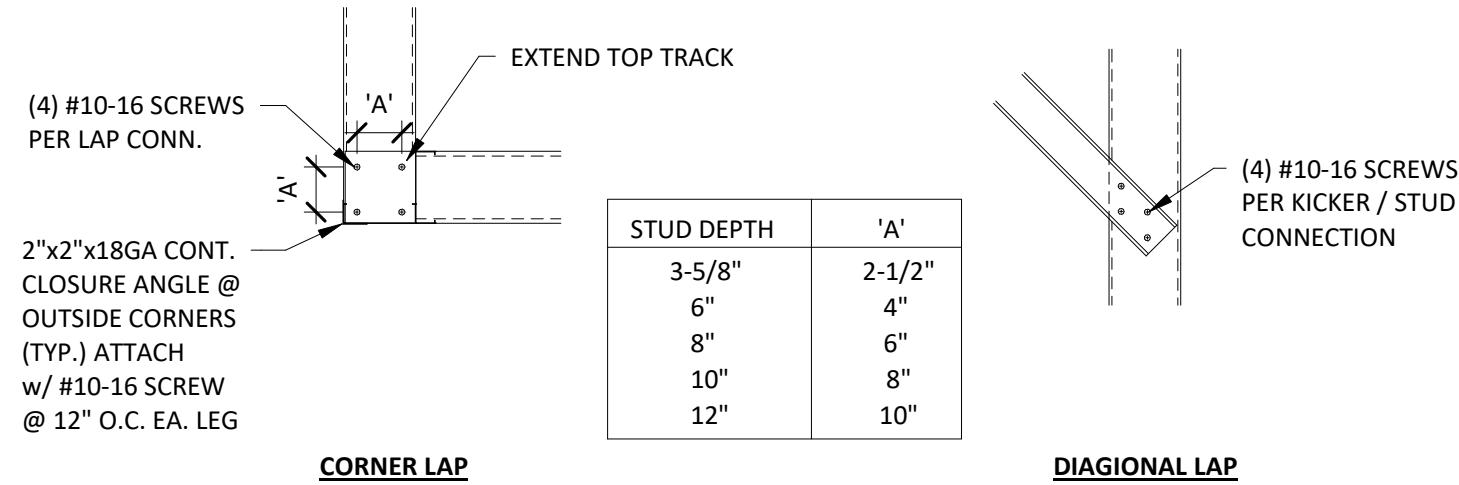
SILL - JAMB DETAIL

12 /S4.0 SCALE = 3/4" = 1'-0"



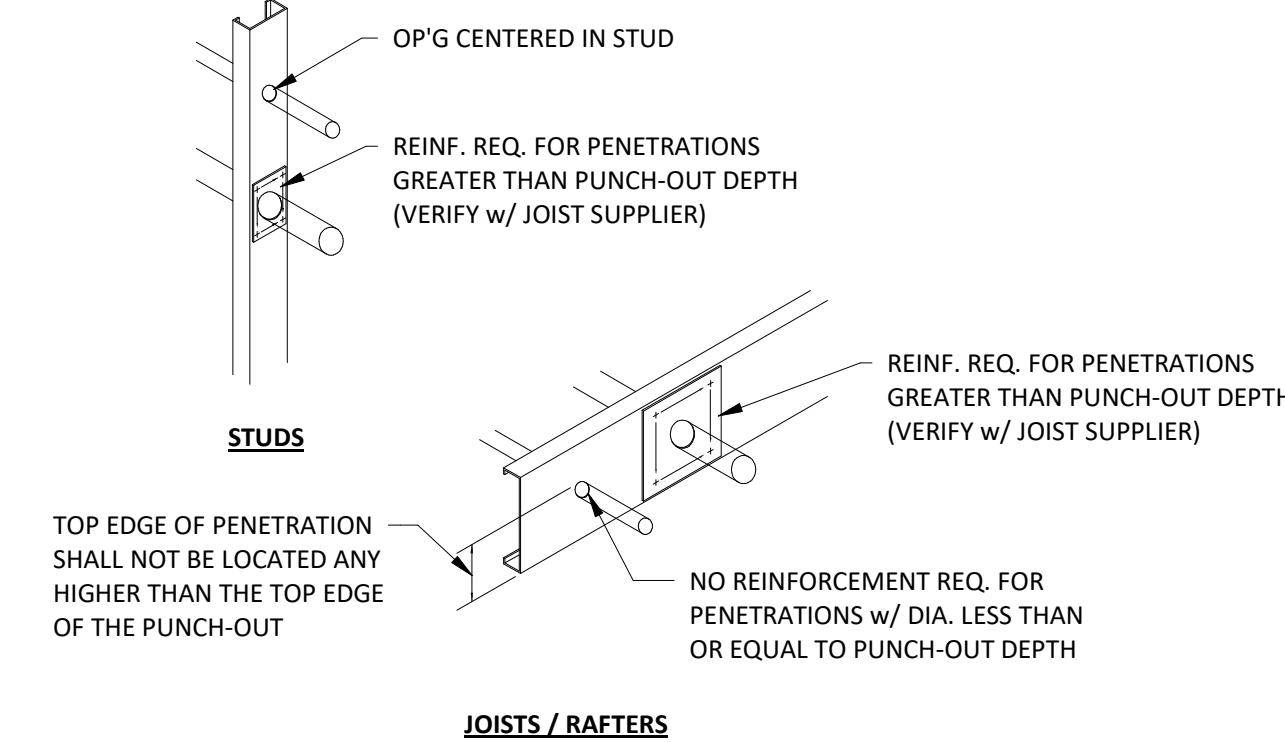
JOIST STUD HEADER DETAIL

13 /S4.0 SCALE = 3/4" = 1'-0"



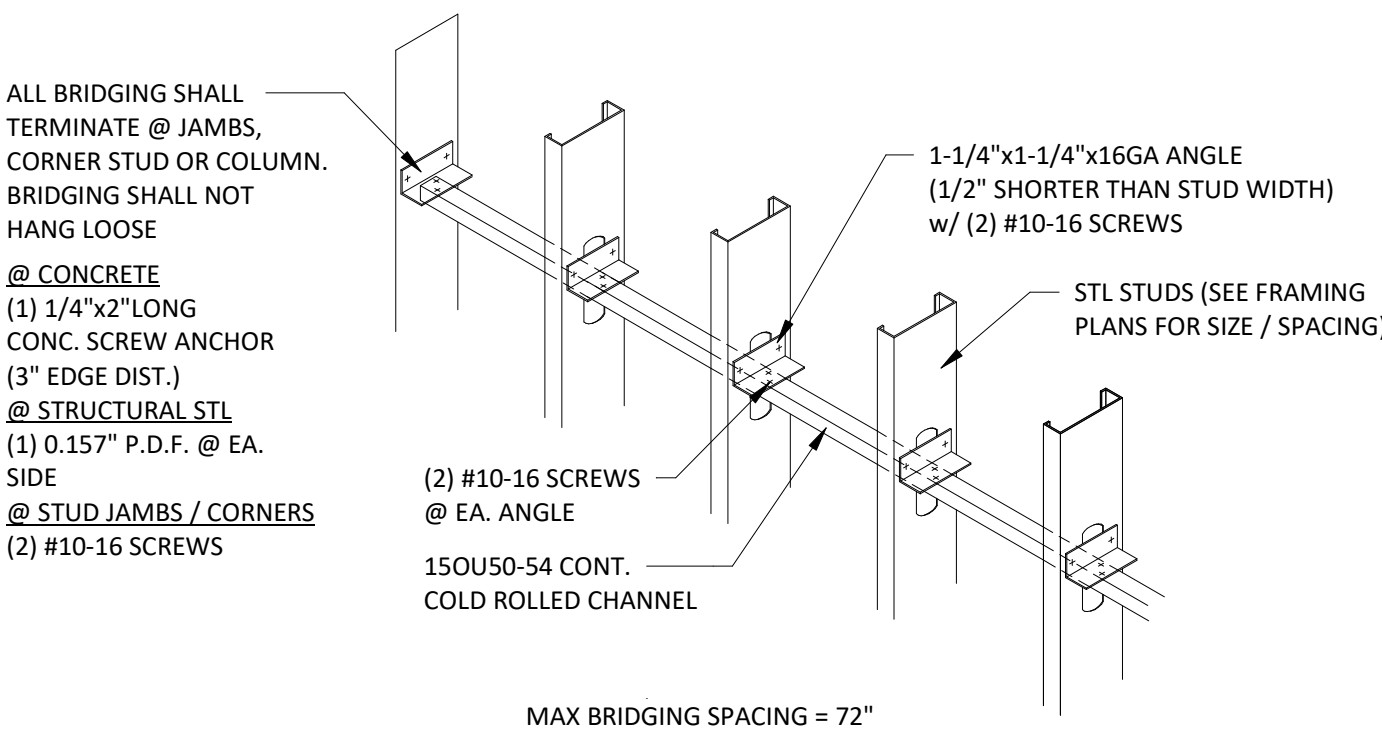
CORNER & DIAGONAL LAP CONNECTIONS

7 /S4.0 SCALE = 3/4" = 1'-0"



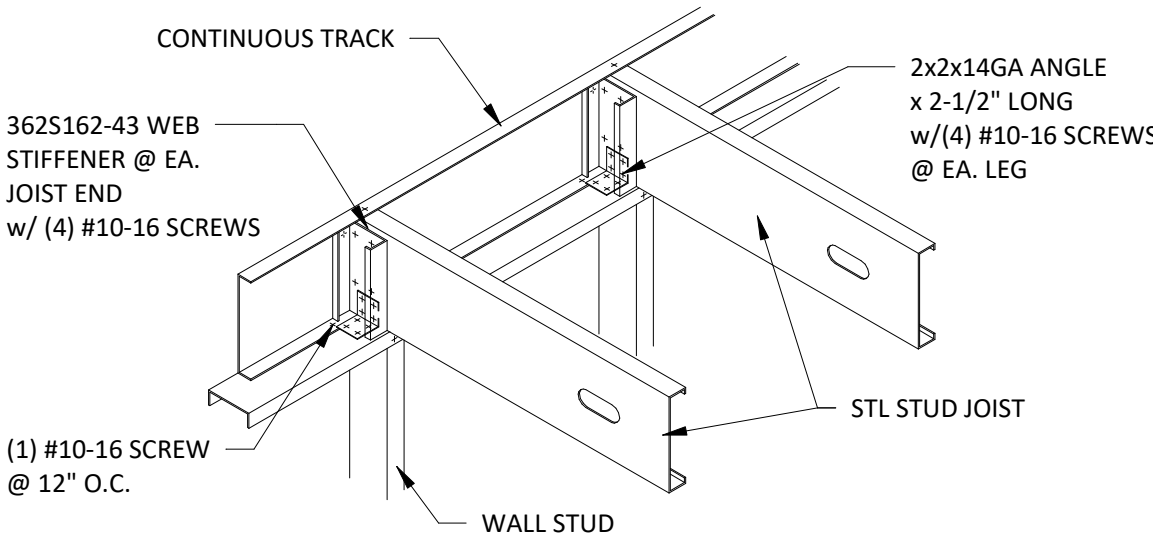
STUD PENETRATIONS DETAIL

8 /S4.0 SCALE = 3/4" = 1'-0"



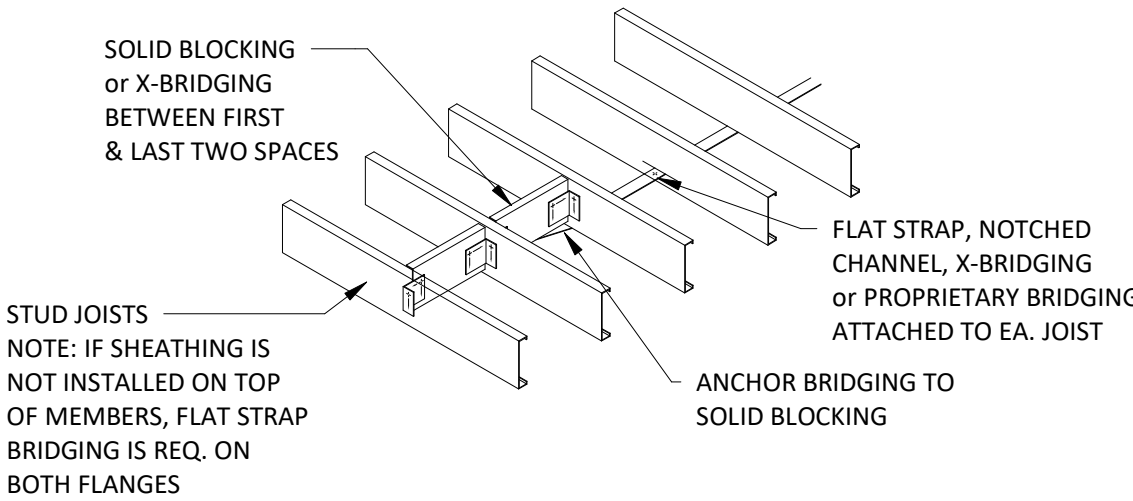
EXTERIOR/BEARING STUD BRIDGING DETAIL

9 /S4.0 SCALE = 3/4" = 1'-0"



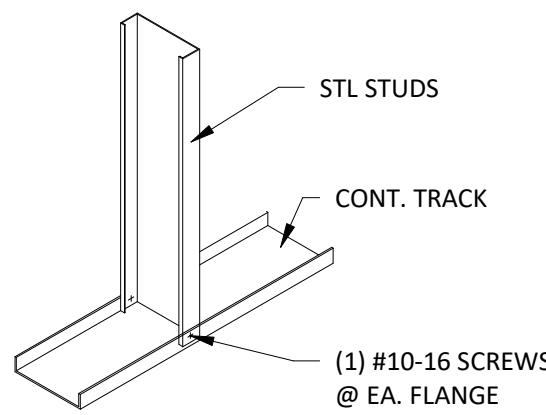
JOIST BEARING DETAIL

10 /S4.0 SCALE = 3/4" = 1'-0"



JOIST BRIDGING DETAIL

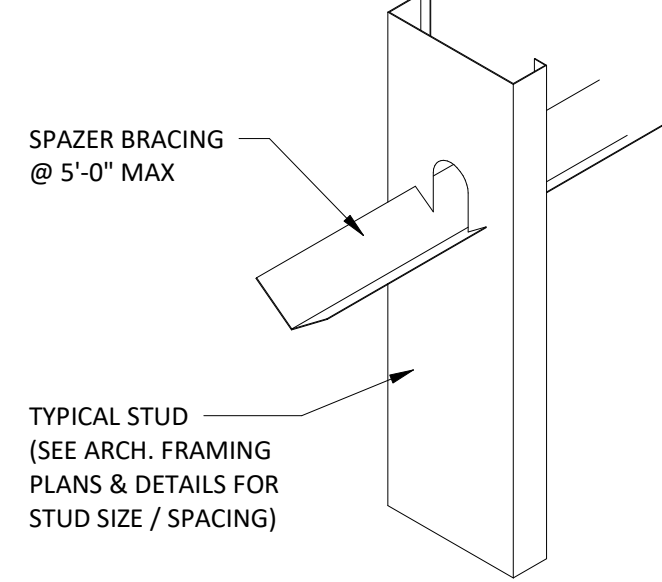
11 /S4.0 SCALE = 3/4" = 1'-0"



NOTE:
1) STUD TO SET TIGHT IN TRACK
2) SIM. DETAIL FOR TOP TRACK

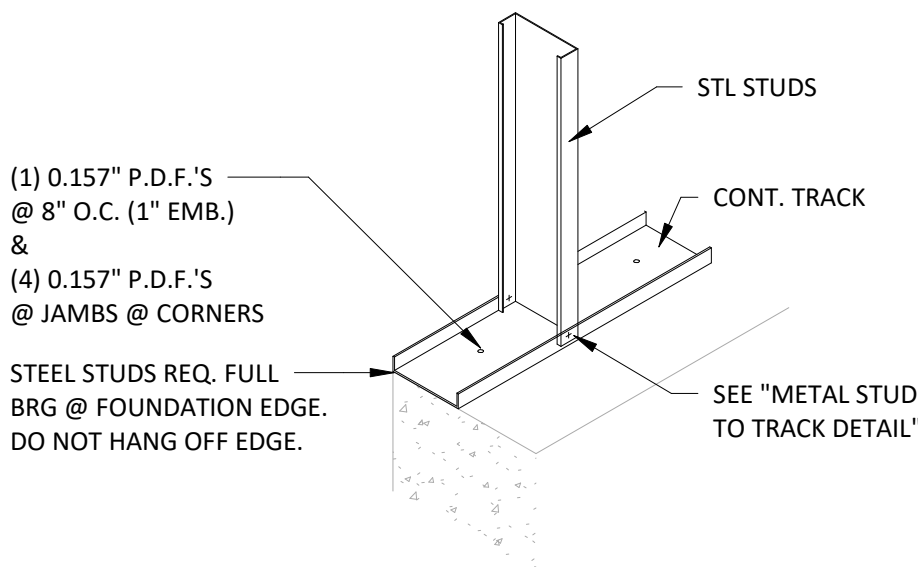
STUD TO TRACK

1 /S4.0 SCALE = 3/4" = 1'-0"



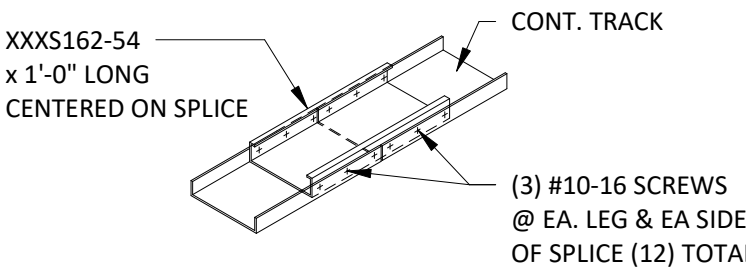
INTERIOR SPAZZER BRACING

2 /S4.0 SCALE = 3/4" = 1'-0"



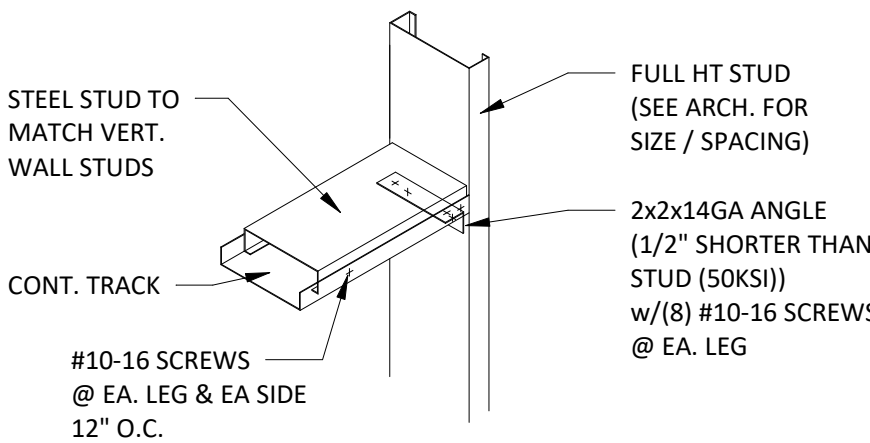
BASE TRACK TO CONCRETE

3 /S4.0 SCALE = 3/4" = 1'-0"



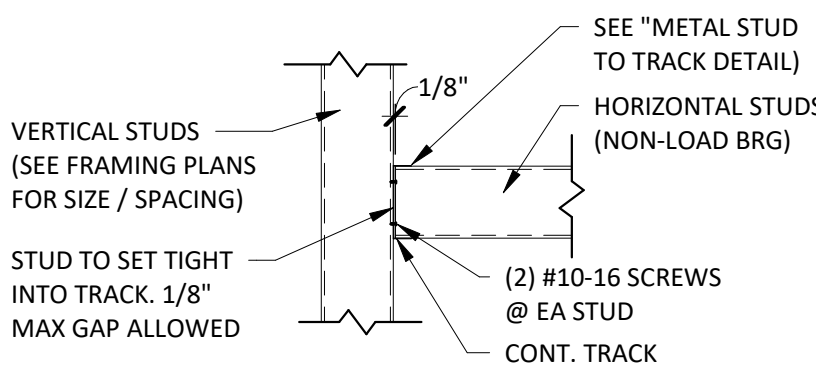
BOTTOM & TOP TRACK SPLICE

4 /S4.0 SCALE = 3/4" = 1'-0"



INTERIOR OPENING HEADER

5 /S4.0 SCALE = 3/4" = 1'-0"



STUD TO STUD CONNECTION

6 /S4.0 SCALE = 3/4" = 1'-0"



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PROJECT INFO:

MASSMAN
CORPORATE INC.

STRUCT. METAL
STUD SCHEDULES
& DETAILS

DRAWN BY:

Author

SMET NO.:

22106

ARCHT. NO.:

SALES:

SHEET:

S4.0

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