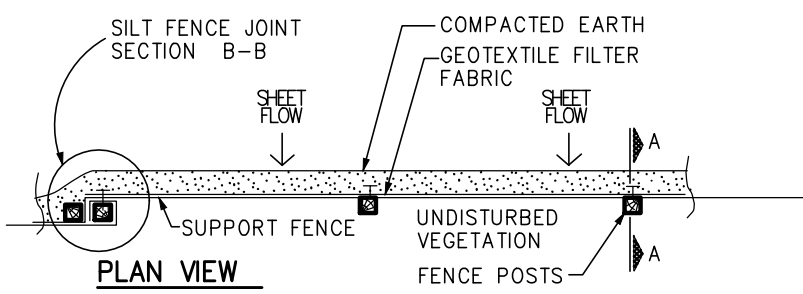
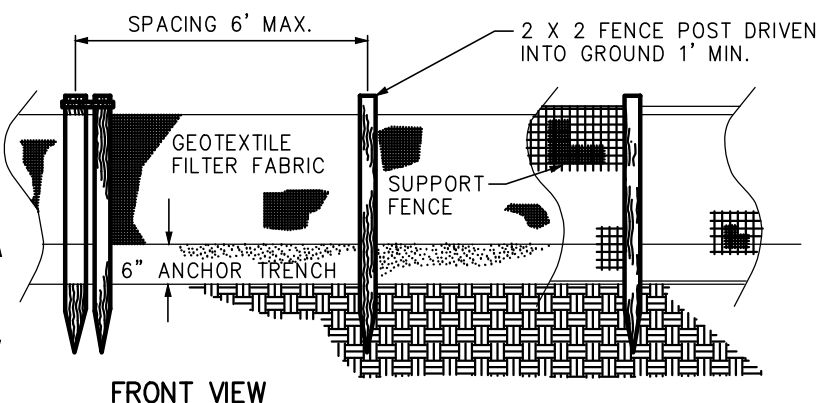


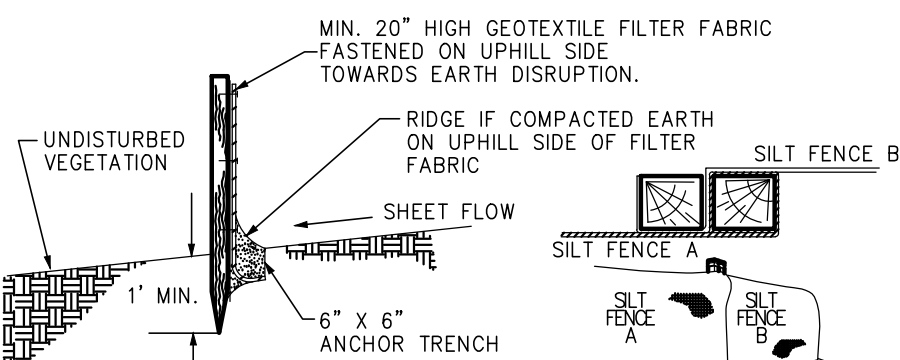
ADA PARKING SIGN
POST MOUNT DETAIL
NO SCALE



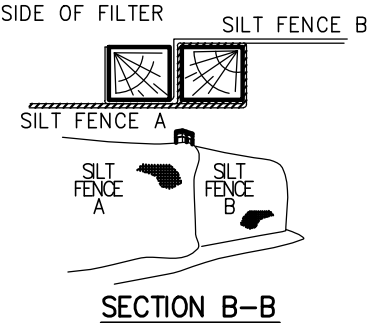
PLAN VIEW



FRONT VIEW

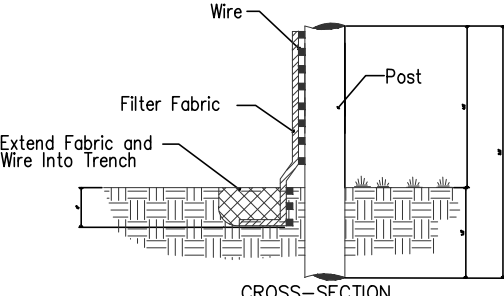


SECTION A-A



SECTION B-B

SILT FENCE
NO SCALE



CROSS-SECTION

CONSTRUCTION OF A SILT FENCE

WATER/SEWER SERVICE NOTE:
WVWA WILL ONLY PROVIDE THE WATER AND
SEWER TAPS. THE CONTRACTOR IS
RESPONSIBLE FOR ALL OTHER CONSTRUCTION
PERTAINING TO THE SERVICES. CONTRACTOR
SHALL UNCOVER MAINS, PREP FOR REQUIRED
TAPS, INSTALL ALL LATERALS, INSTALL
METER BOX, INSTALL SEWER CLEANOUT AND
ANY OTHER REQUIRED CONSTRUCTION.

EXISTING FENCE W/ SCREENING

SEWER LATERAL OUT
TO SEWER MAIN,
CONNECT TO MAIN
SEWER LINE

C.O. ON PROPERTY
LINE, SEE WVWA
SEWER LATERAL
DETAIL S-6 ON SHEET
A101.1

EXIST. FENCE
W/ SCREEN

4" SAN. SEWER LINE
@ 2% SLOPE DN.

ALL DOWN SPOTS DISCONNECT FROM
CITY STORM DRAINS ROUTED
TO SLASH BLOCK AND ROUTED TO
VEGETATION

OUTDOOR LIGHTING IN
COMPLIANCE W/
SEC. 36.2-625 OUTDOOR
LIGHTING STD.

ALL UTILITIES UNDERGROUND
IN COMPLIANCE W/ SEC.
36.2-610 REQUIREMENTS

LAND DISTURBMENT
1122 SQ FT

NOTE: SEE PIERSON ENGINEERING &
SURVEYING FOR LOT SEPARATION
DATED: 1/14/19
(.2279 AC/9929 SF)

1" WATER SUPPLY FROM
METER TO BUILDING

5/8" WATER METER @
LOT LINE, SEE WVWA
WATER LATERAL DETAIL
W5 ON SHEET A101.1

WATER LATERAL ON THE
CITY SIDE OF THE LOT
LINE, OUT TO WATER MAIN



CITY OF ROANOKE FLOOD MAP FROM LATEST GIS

NOTE: THIS ENTIRE DRAWING IS REVISED ON 10/17/2019

Tax Number: 411408, 4111407 & 4111406
Property Address: 0 12TH STREET
Legal Description: LOT 7 BLK 12 E S L
ZONING: I-1
SQ. FOOTAGE: 3400
Owner Name: MARCO AMAYA LEMUS

NOTE:
THE INFORMATION ON THIS DRAWING IS A REPRESENTATION OF THE EXISTING SITE
LOCATION. THE PROPERTY LINES LOCATION IS AT THE BEST OF KNOWLEDGE PER
CITY OF ROANOKE GIS INFORMATION PER WEB SITE. THESE PROPERTY LINES ON
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REQUIREMENTS OF VARIOUS TRADES.

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"B" 2/13/19	DEG
"C" 3/21/19	DEG
"D" 5/3/19	DEG
"E" 11/09/20	DEG
"F" 07/06/21	DEG
"G" 07/27/21	DEG
"H" 08/11/21	DEG

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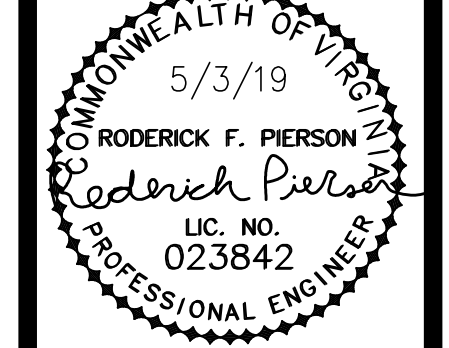
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ENGINEERING & SURVING
1324 ROANOKE RD.
RT. 220 NORTH
DALEVILLE, VA 24083
540-966-3027

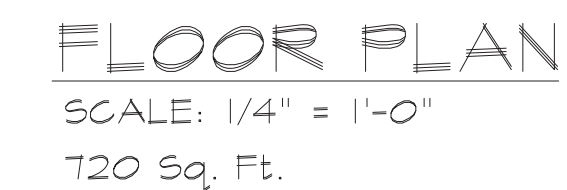
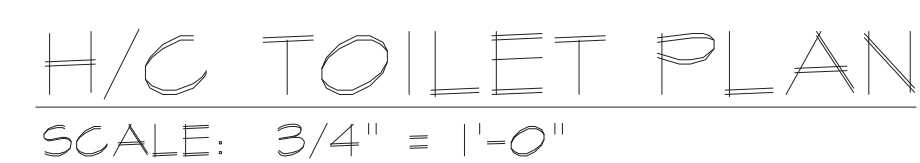
APPROVED BY RFP

DATE 5/3/19



NEW METAL BUILDING
for
Amaya Concrete
1129 KIRK AVE S.E.
Roanoke, Virginia

DRAWN David E. Greer
DATE 12/3/18
APPROVED BY
DATE
SCALE 1:8 (1 1/2"=1'-0")
SHEET C101
OF SHEETS



 FIRE EXTINGUISHER
NFFA 10
LOCATION NO MORE THAN
75' FROM EACH OTHER

REVISION "D" 10/16/19 - NEW DRAWINGS

EGRESS WIDTH (SECTION 1005): 0.2X 14 OCCUPANTS= 2.8 INCHES OR 36 INCHES FOR DOORS.

1. CONTRACTOR MUST CONFORM TO 2015
(INTERNATIONAL BUILDING CODE).

2. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD, (VIF)
ADJUST DIMENSIONS WHERE REQUIRED OR AS NEEDED.
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"C" 5/3/19	DEG
"D" 10/16/19	DEG
"E" 11/9/20	DEG



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for
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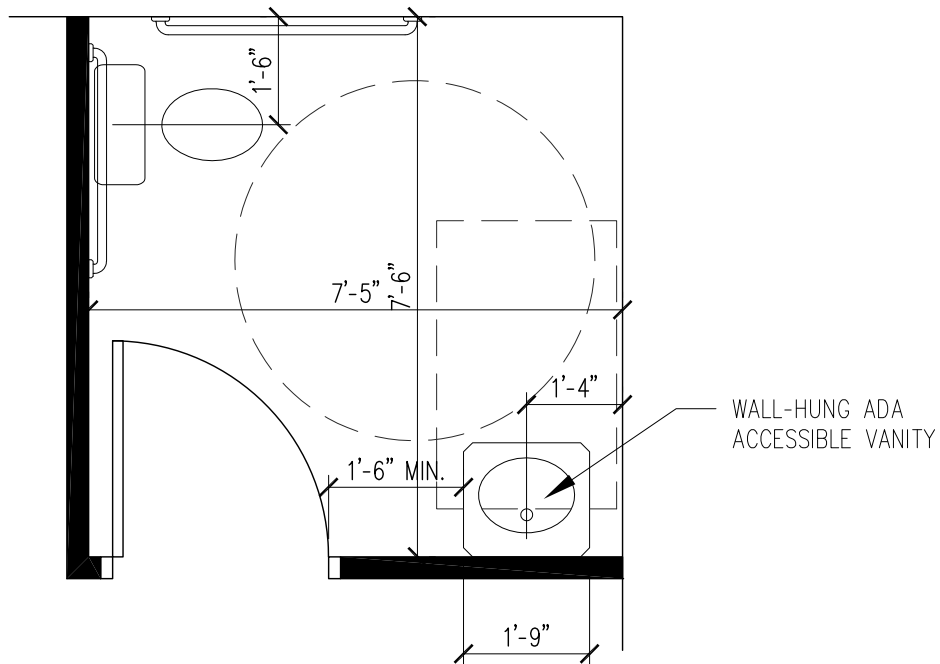
DRAWN
DEG
E DRAWN
/12/18
LOVED BY

DATE _____
SCALE _____
NOTED _____
RB NO _____

SHEET

| ○ |

SHEETS



AMAYA CONCRETE WAREHOUSE RESTROOM PLAN SKETCH

SCALE: 3/8" = 1'-0"

12/30/2020

BALZER JOB # 032000094.00



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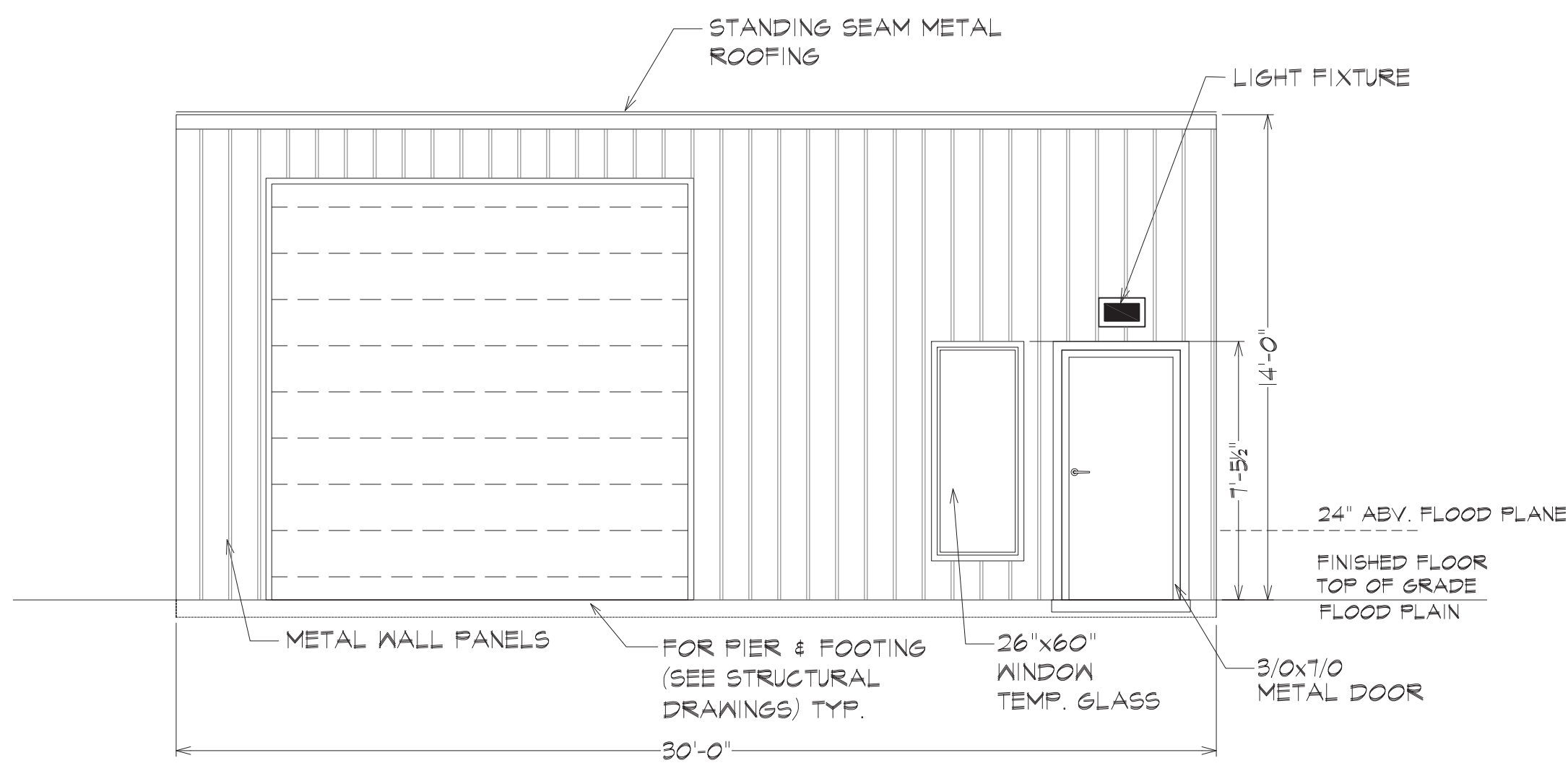
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Roanoke, Virginia

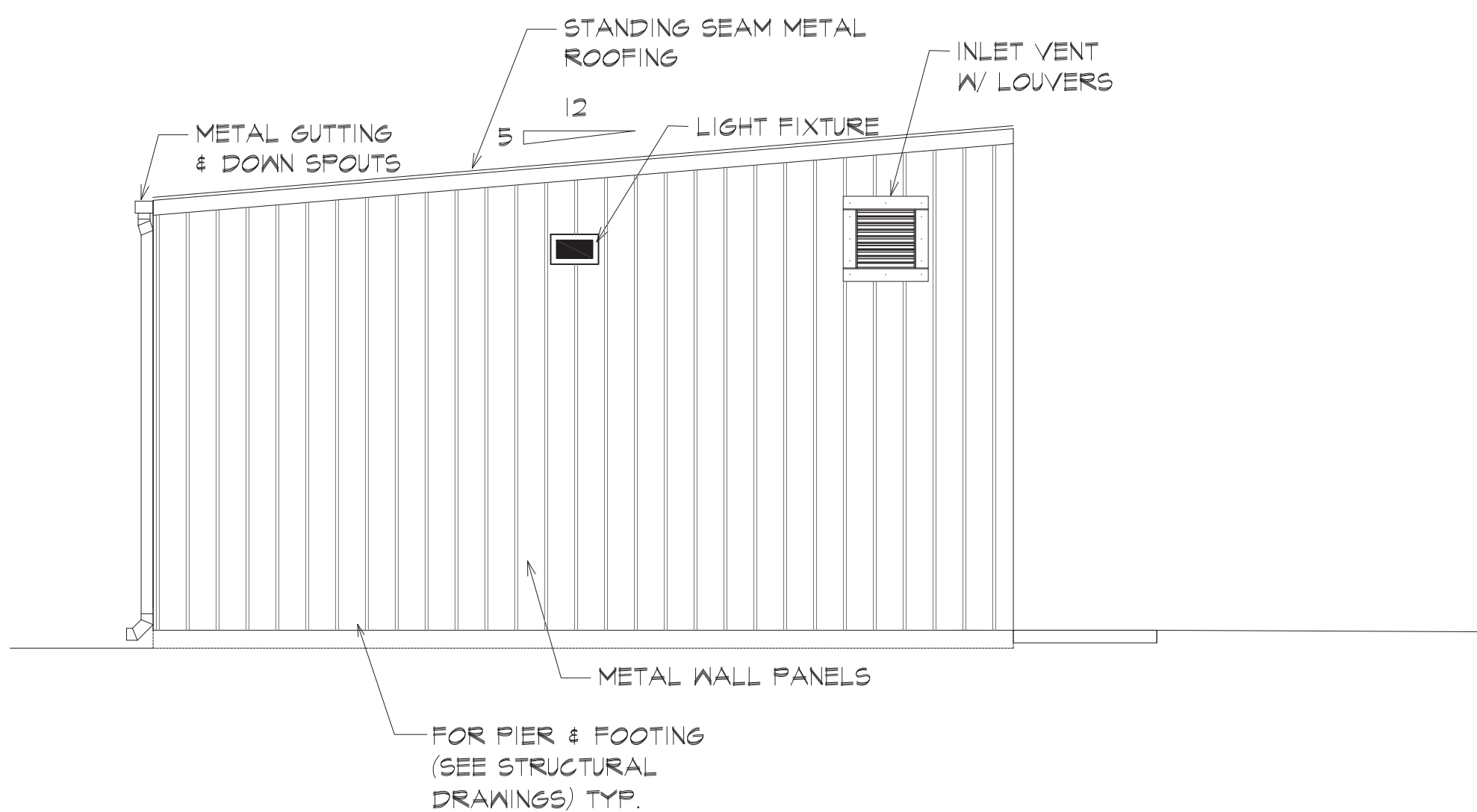
DRAWN
DEG
DATE
07/06/2021
APPROVED BY
DATE
SCALE
SHEET
A|O|.1
F SHEETS

- 01/01/14

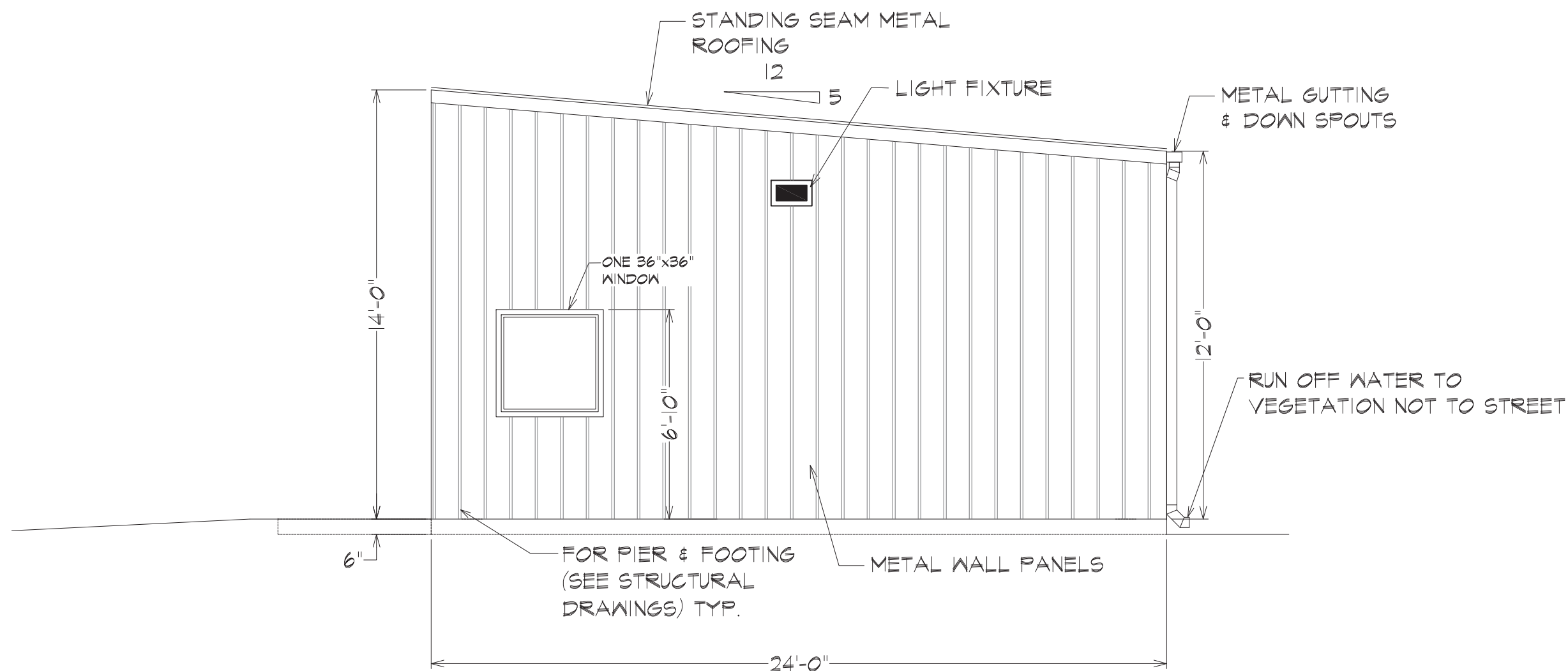
S-6



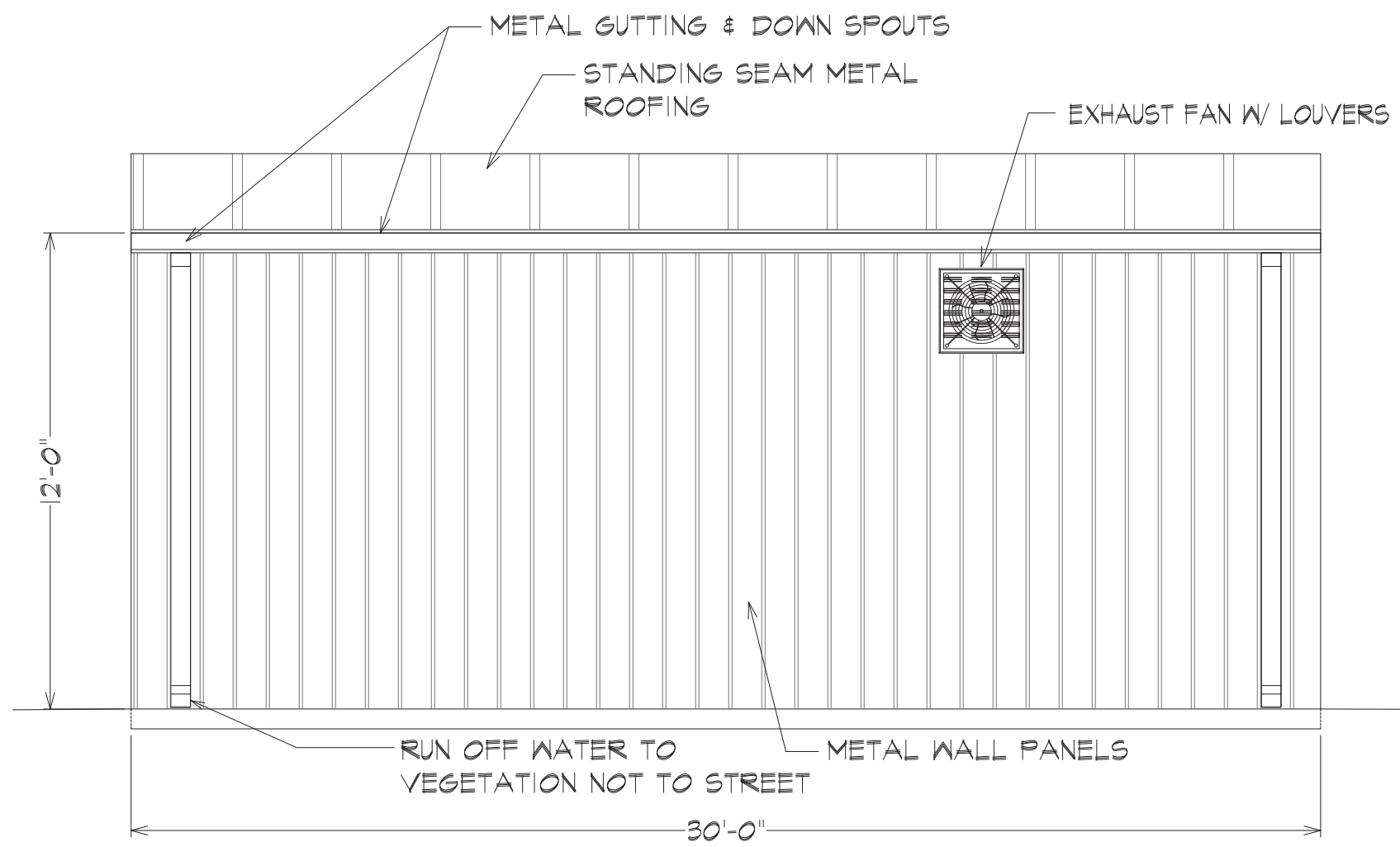
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

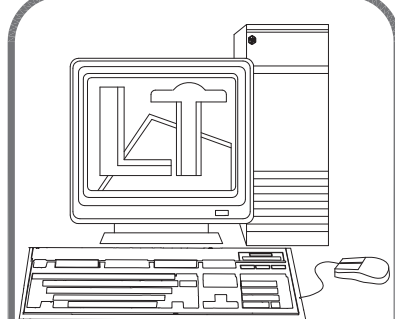
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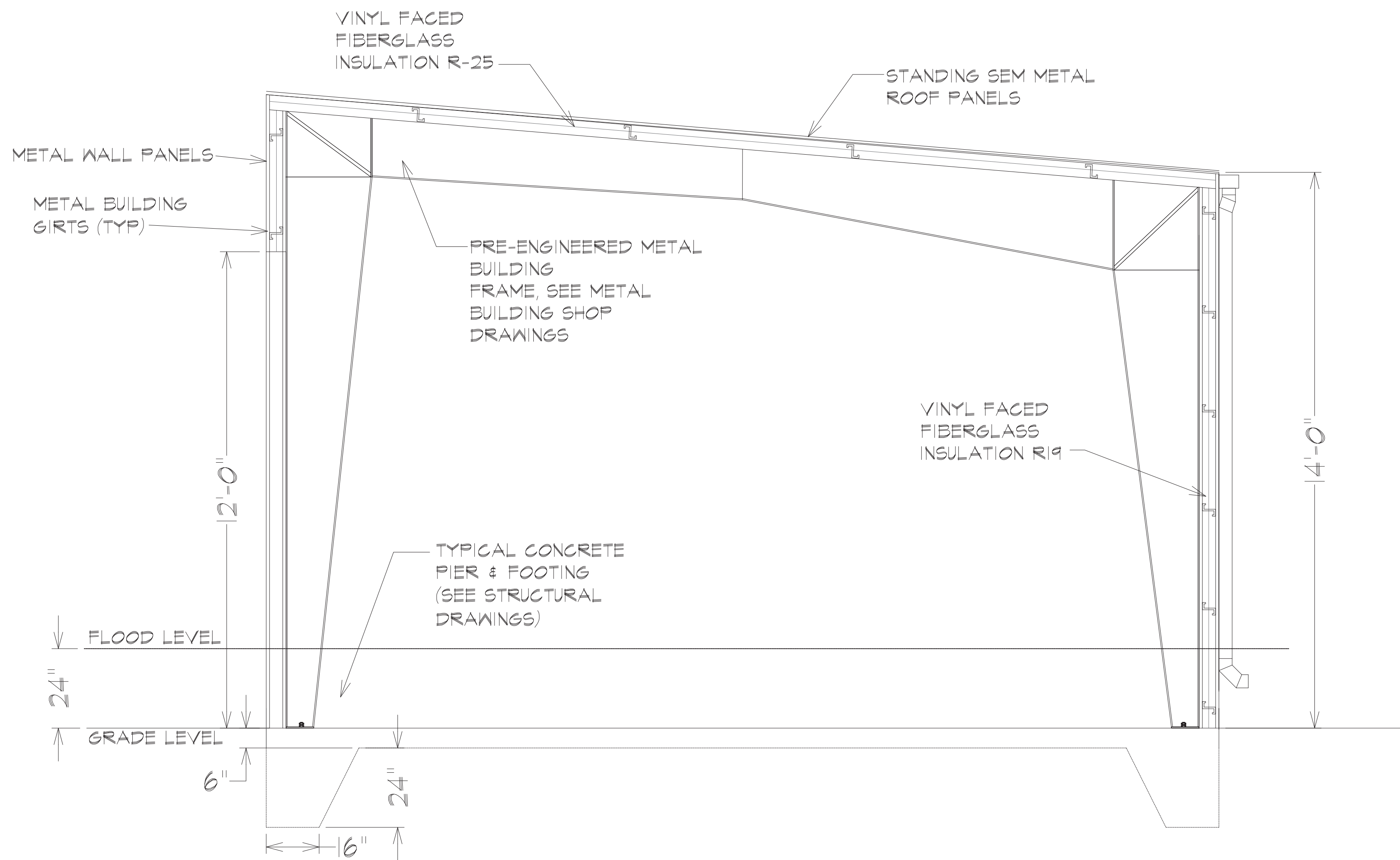
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for
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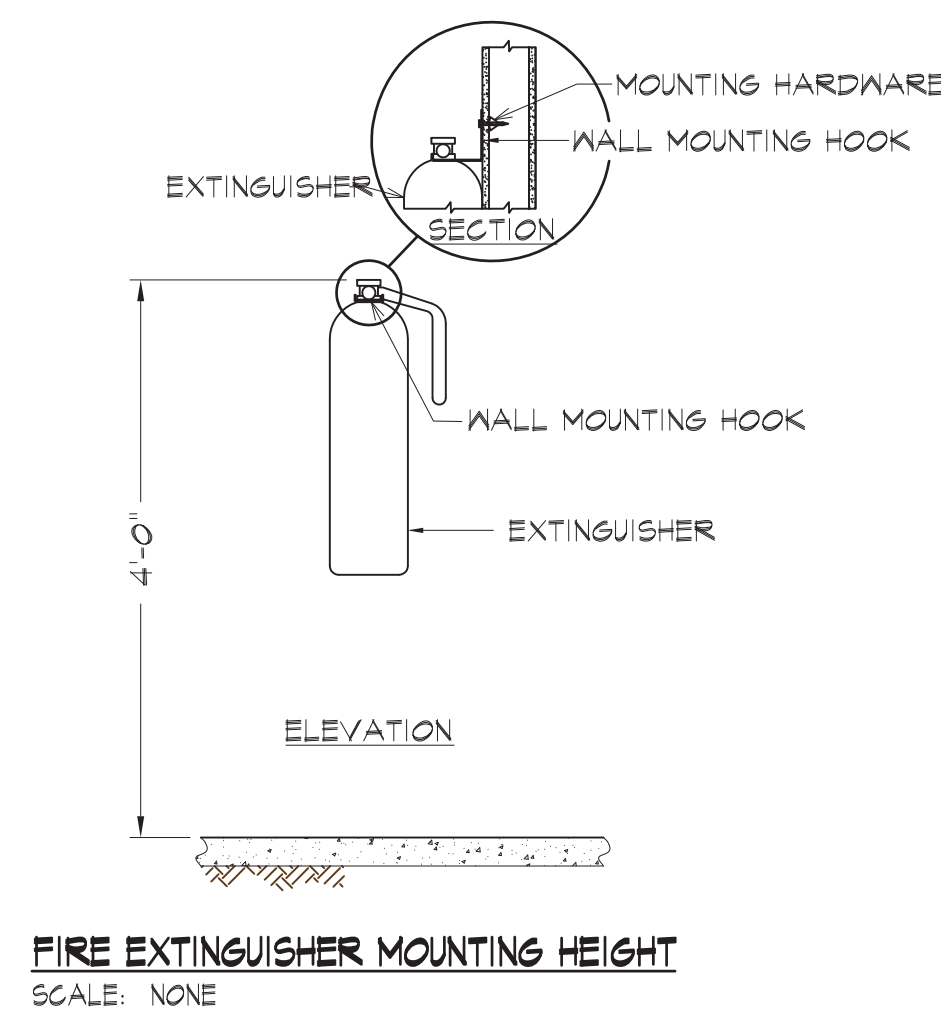
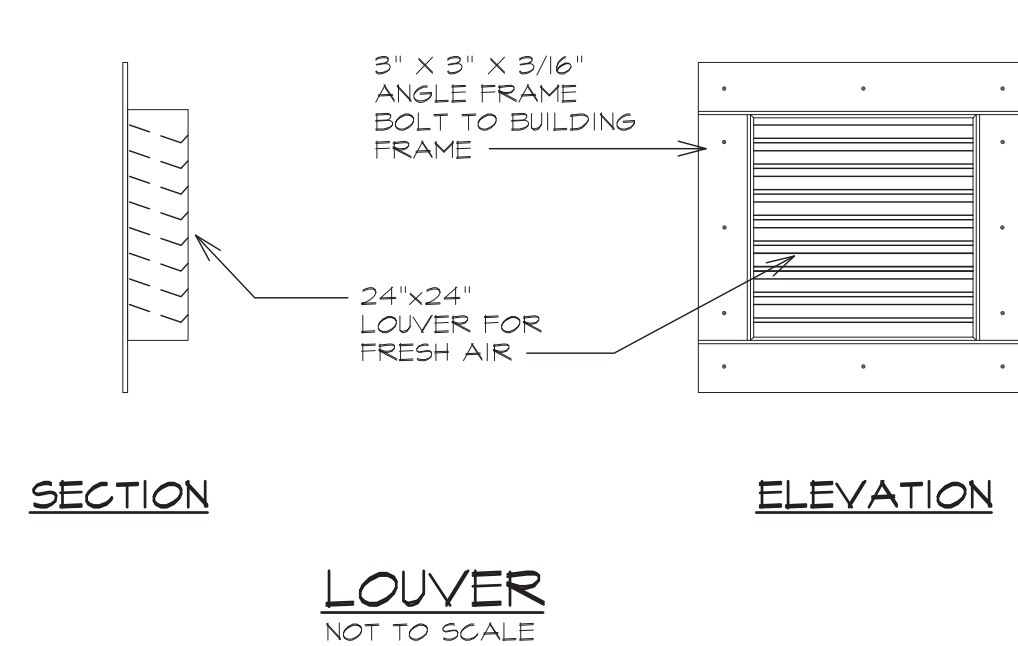
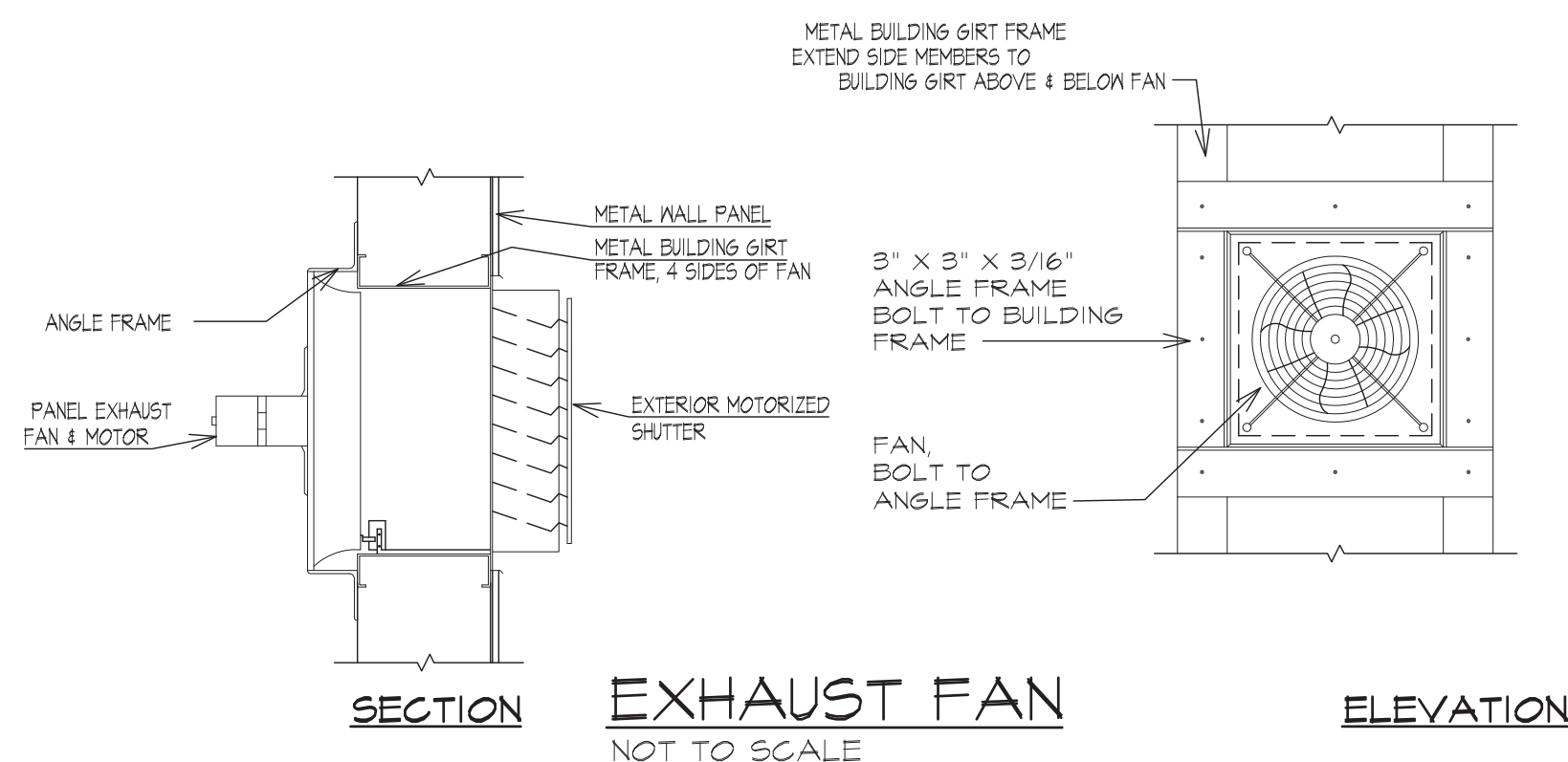
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DATE DRAWN 11/12/18
APPROVED BY
DATE
SCALE AS NOTED
JOB NO.
SHEET A102
OF SHEETS



SECTION

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

A101
103.1



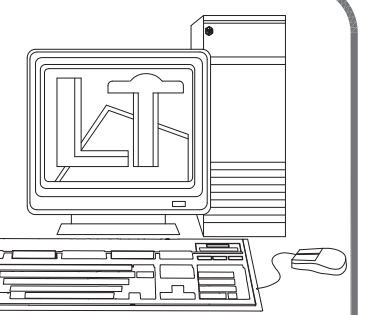
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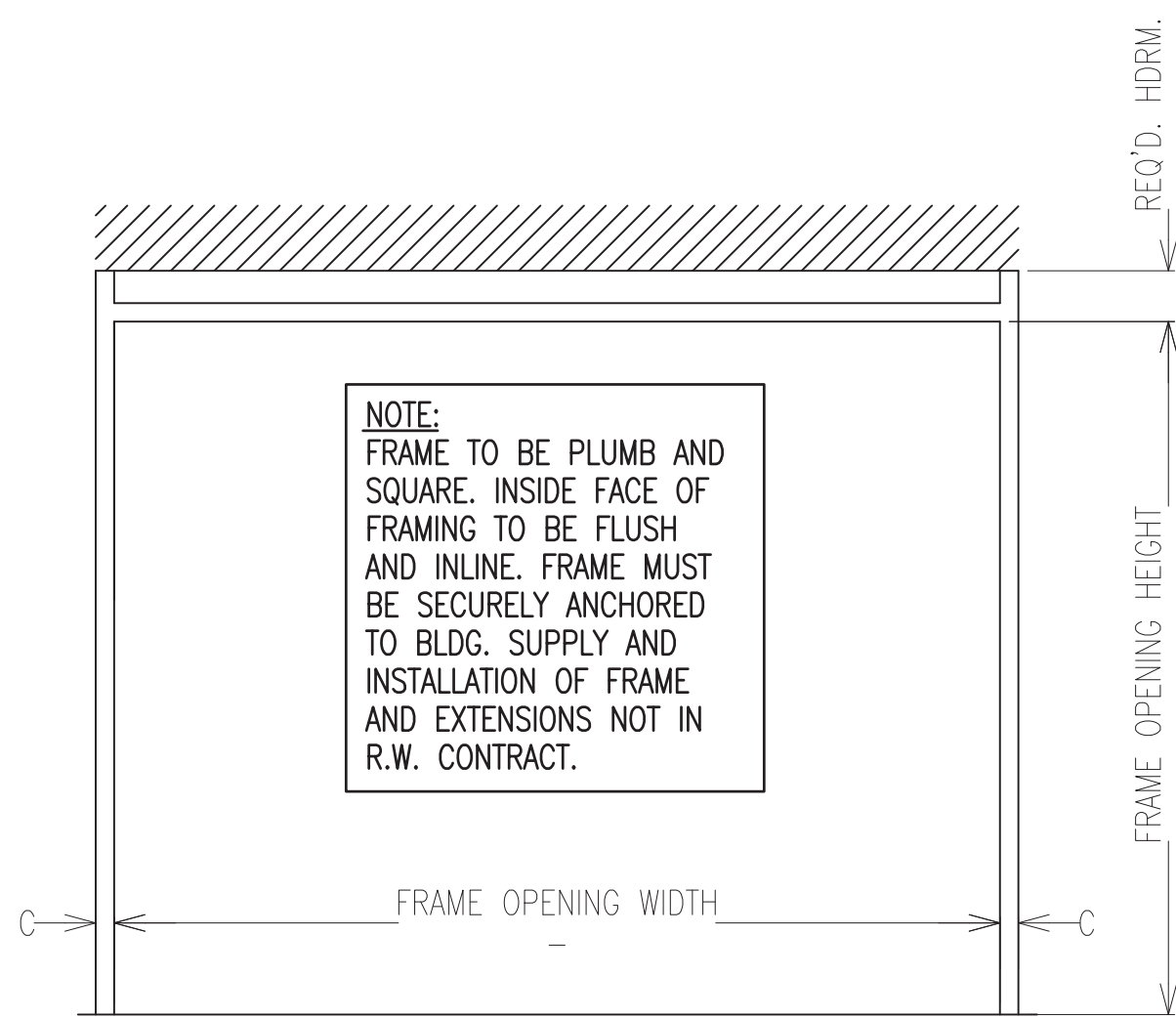
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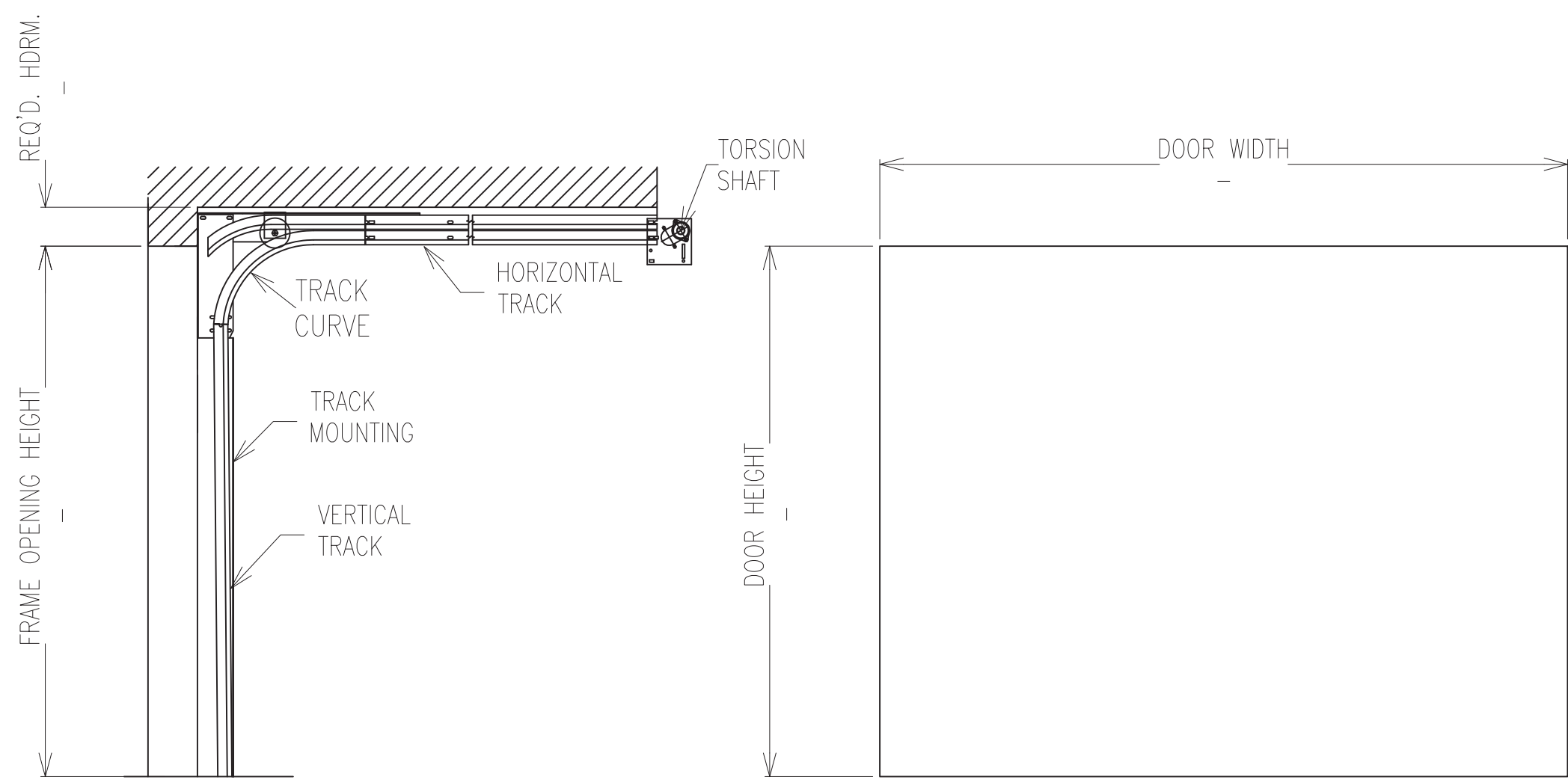
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1129 KIRK AVE S.E.
Roanoke, Virginia

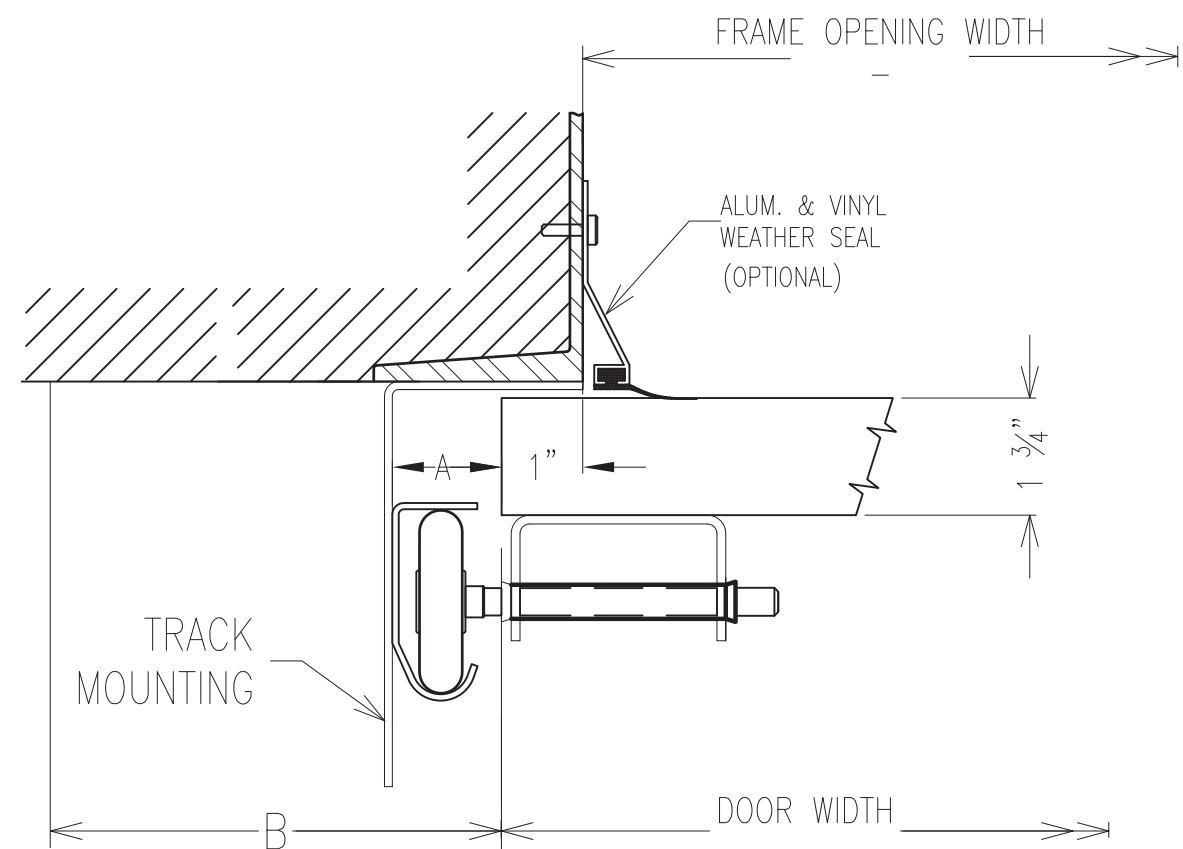
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DATE
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JOB NO.
SHEET A103
OF SHEETS



INTERIOR ELEVATION OF FRAMING BY OTHERS

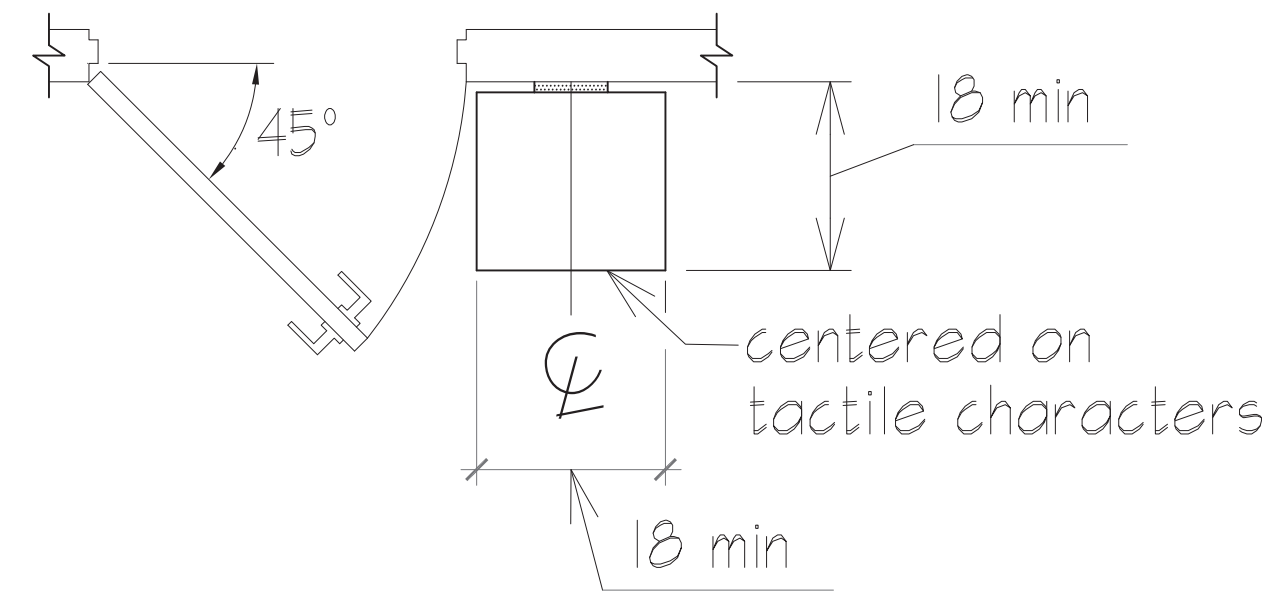


CROSS SECTION



EXTERIOR ELEVATION

STEEL JAMB DETAILS

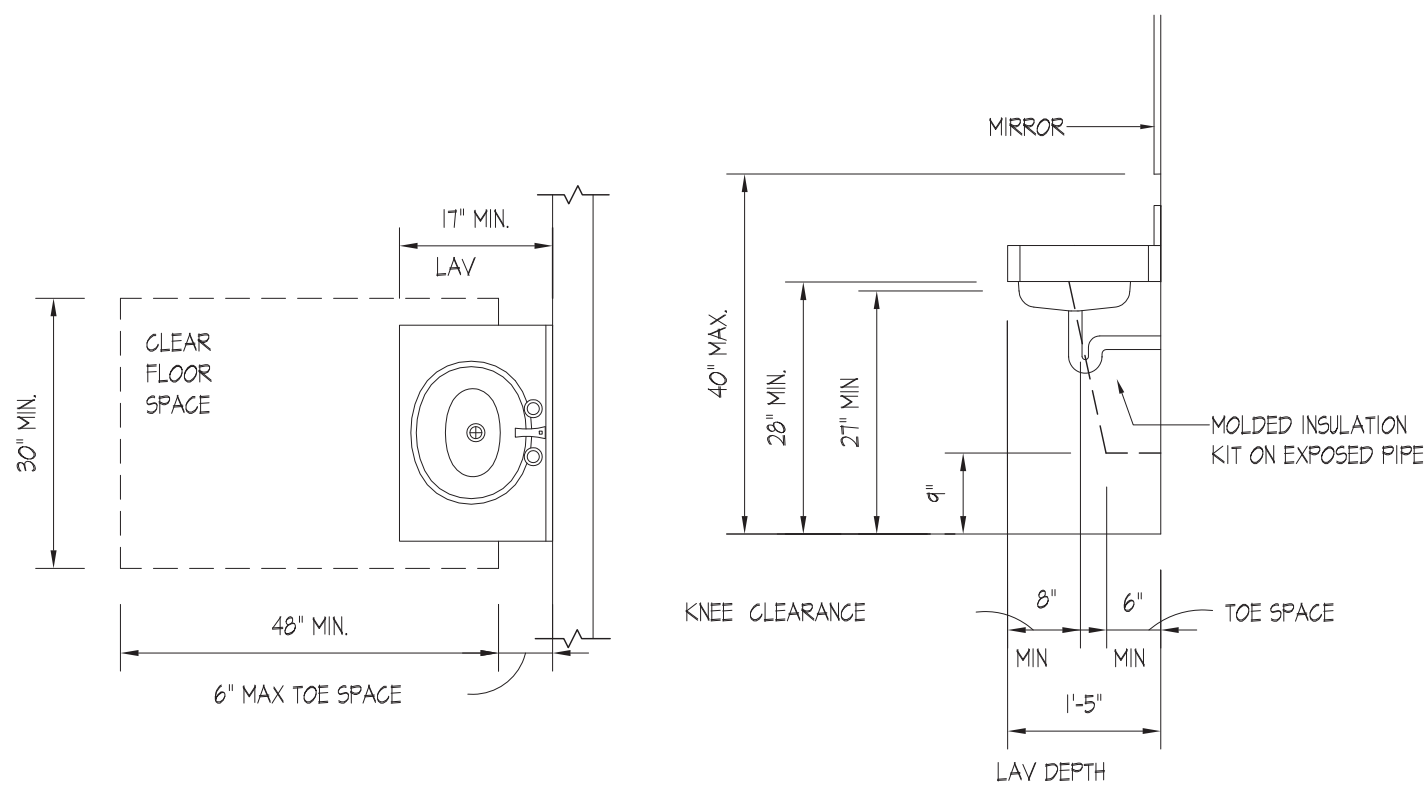


ADA SIGN MOUNTING

SCALE: NONE

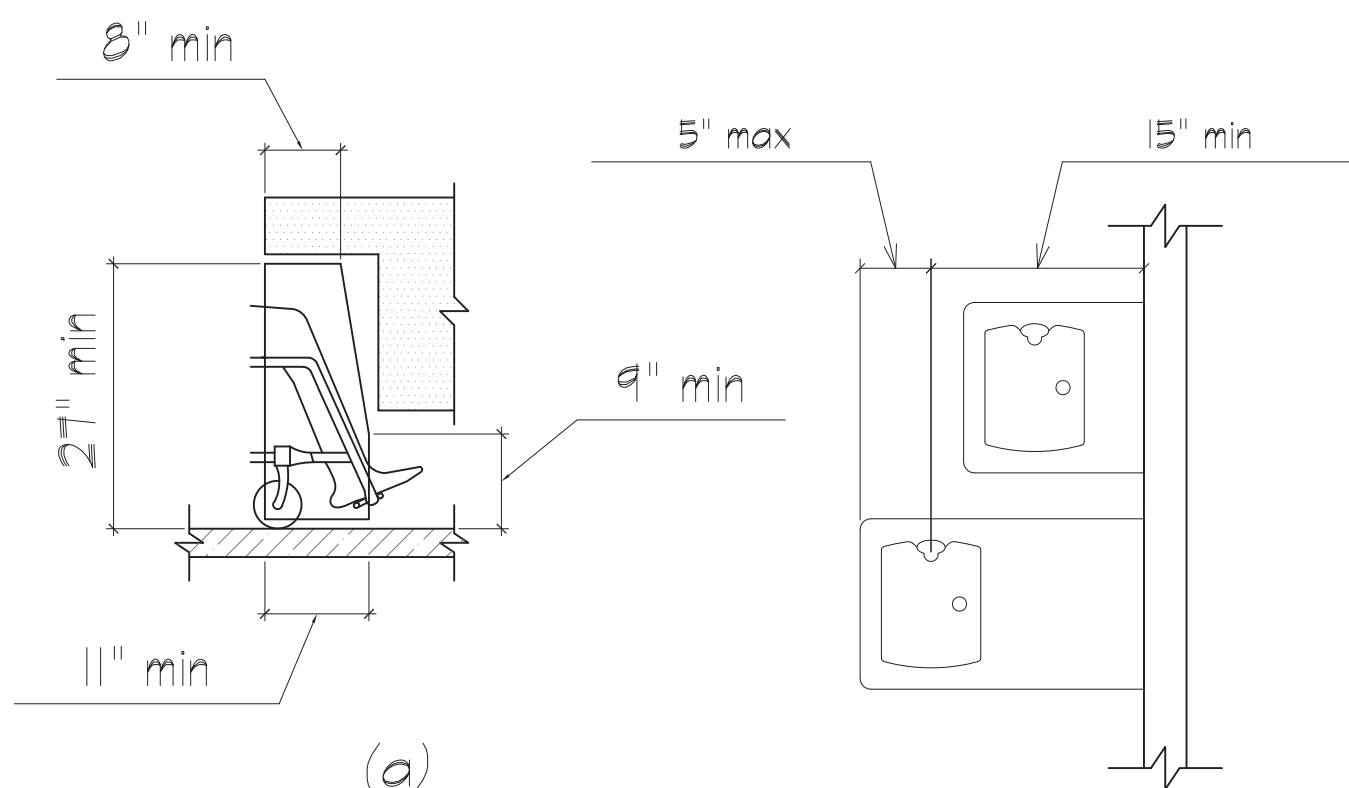
OVERHEAD DOOR DETAILS

SCALE: NONE



H/C LAVATORY CLEARANCES

SCALE: NONE



(a)
elevation

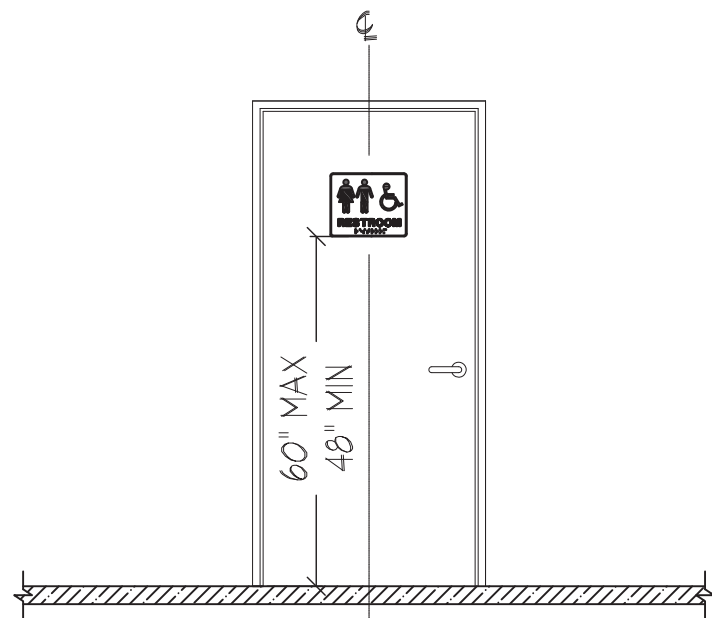
ADA TYP. W/C CLEARANCE

SCALE: NONE



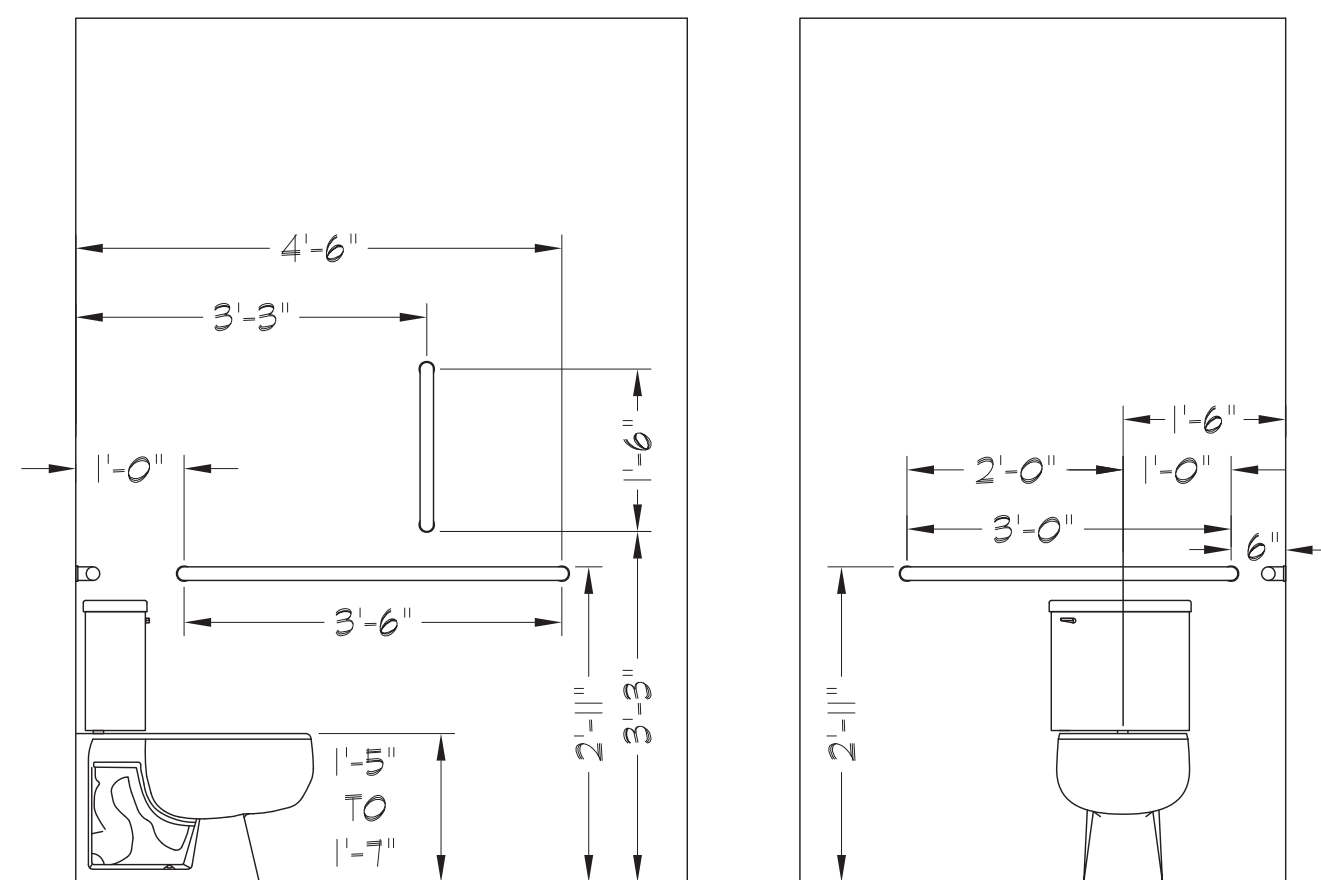
ADA SIGN TYPE

SCALE: NONE



TOILET ADA SIGN MTD. HEIGHT

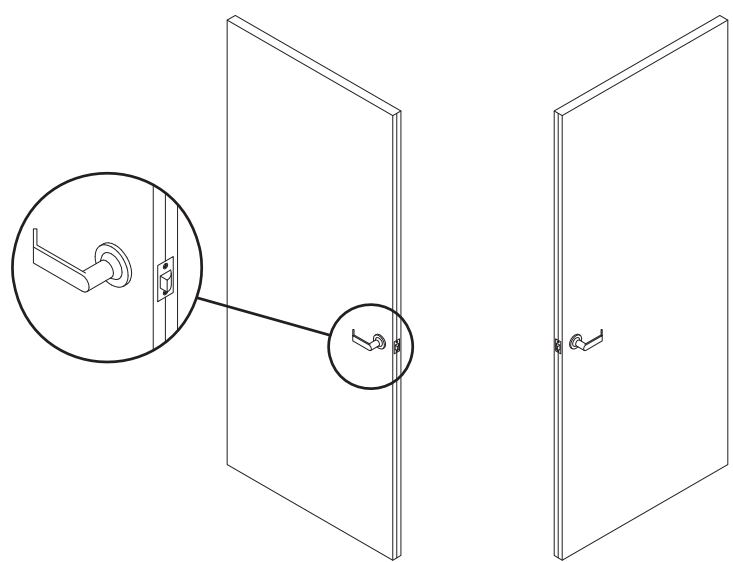
SCALE: NONE



H/C TOILET INTERIOR ELEVATION

SCALE: NONE

NOTE: PROVIDE BACK FLOW PREVENTER



ADA TYP. DOOR HANDLE

SCALE: NONE

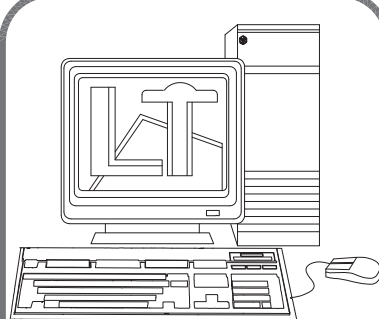
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"D" 10/16/19	DEG



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REVISION "D" 10/16/19 - NEW DRAWINGS

NEW METAL BUILDING
for
Amaya Concrete
1129 KIRK AVE S.E.
Roanoke, Virginia

DRAWN DEG
DATE DRAWN 11/12/18
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DATE
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SHEET A104
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ELECTRICAL NOTES:

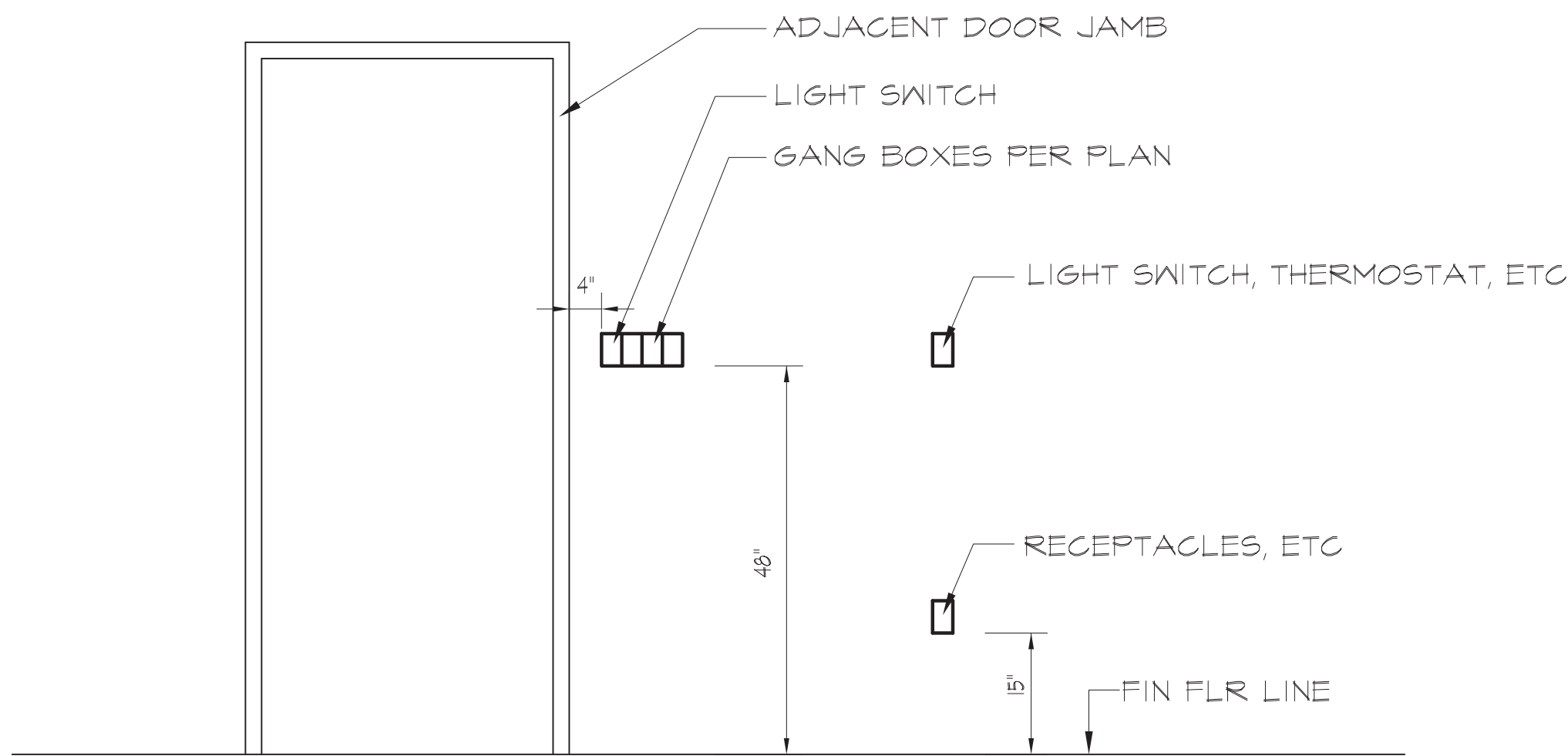
- 1. ARC-FAULT CIRCUIT INTERRUPTER TO BE INSTALLED BY THE CONTRACTOR AS REQUIRED PER ELECT. 2015 CODE.
- 2. ALL ELECTRIC FIXTURES, SWITCHES, RECEPTICAL, ETC. APPROX. LOCATION AS SHOWN. (OFFSET FOR CLARITY)
- 3. ALL ELECTRIC CONNECTIONS, FIXTURES, PANELS, ETC... MUST BE SIZED BY THE ELECTOR CONTRACTOR.
- 4. SMOKE W/ CARBON MONOXIDE DETECTOR TO BE HARDWIRED AND INTERCONNECTED AND WITH BATTERY BACKUP.

ELECTRICAL LEGEND

	DUPLEX RECEPTACLE WALL -TAMPER- RESISTANT (T.R.)
	220v DUPLEX RECEPTACLE WALL-TAMPER- RESISTANT (T.R.)
	WEATHER PROFF DUPLEX RECEPTACLE WALL(TAMPER- RESISTANT)
	DUPLEX RECEPTACLE WALL GROUND FAULT INTERFACE FAULT (T.R.)
	SINGLE LIGHT FIXTURE (WALL MOUNT) - LED
	SINGLE LIGHT FIXTURE - LED
	SURFACE MOUNTED LIGHT FIXTURE - 2 TUBE LED
	LIGHT W/ EXHAUST FAN - LED
	EXIT LIGHT W/ BATTERY BACK UP EMERGENCY LIGHT

ELECTRICAL NOTES:

- 1. ARC-FAULT CIRCUIT INTERRUPTER TO BE INSTALLED BY THE CONTRACTOR AS REQUIRED PER ELECT. 2014 CODE.
- 2. ALL ELECTRIC FIXTURES, SWITCHES, RECEPTICAL, ETC. APPROX. LOCATION AS SHOWN. (OFFSET FOR CLARITY)
- 3. ALL ELECTRIC CONNECTIONS, FIXTURES, PANELS, ETC... MUST BE SIZED BY THE ELECTOR CONTRACTOR.
- 4. SMOKE W/ CARBON MONOXIDE DETECTOR TO BE HARDWIRED AND INTERCONNECTED AND WITH BATTERY BACKUP.

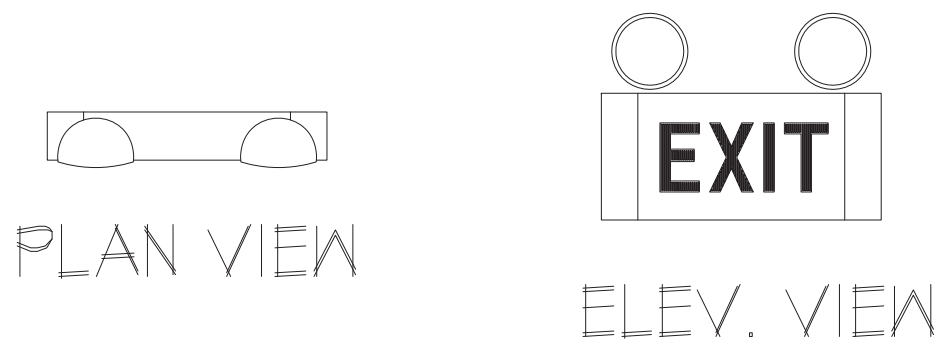


NOTE: WHEN MORE THAN 4 SWITCHES ARE SHOWN, SWITCHES SHALL BE ARANGEDMIN TWO ROWS OF GANG BOXES, ONE BELOW THE OTHER.

ELECTRICAL DEVICE LOCATIONS

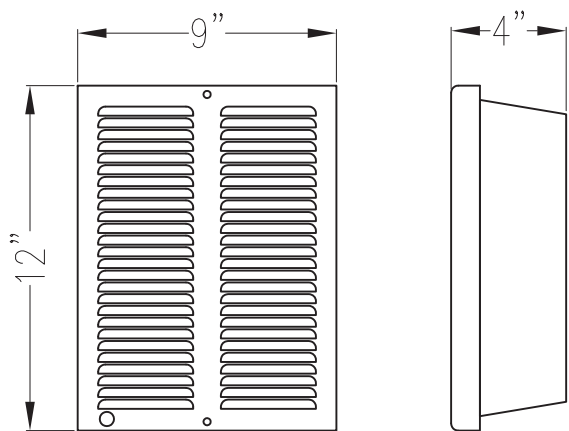
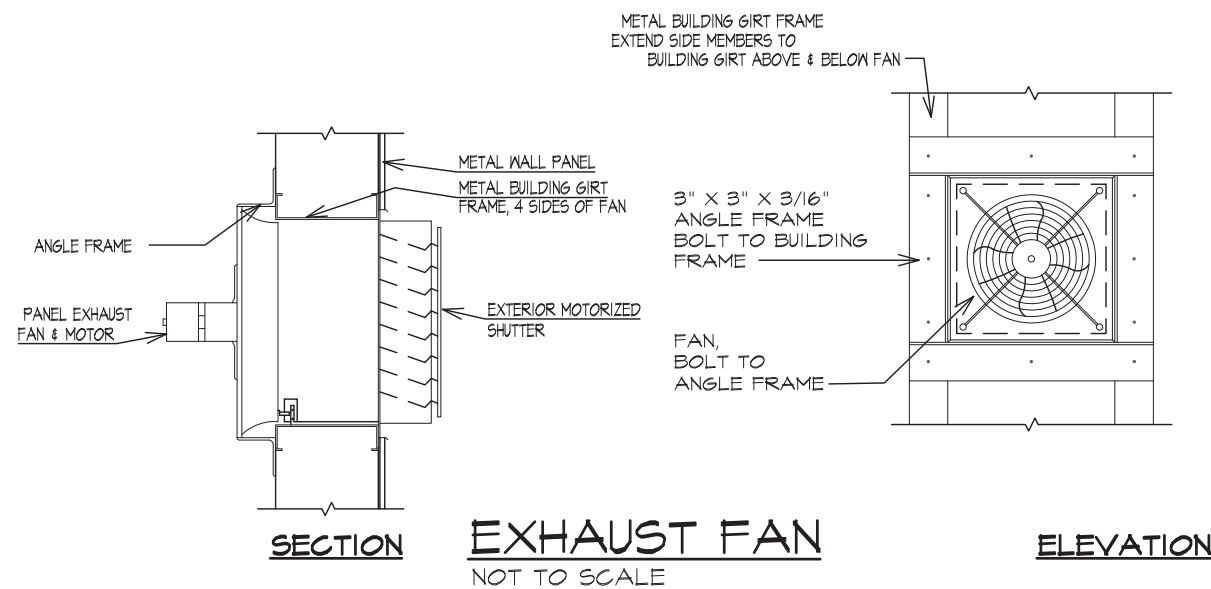
SCALE: NONE

(SEE SHEET A105 FOR RECEPTACLES MOUNT HEIGHT)



EXIT LIGHT

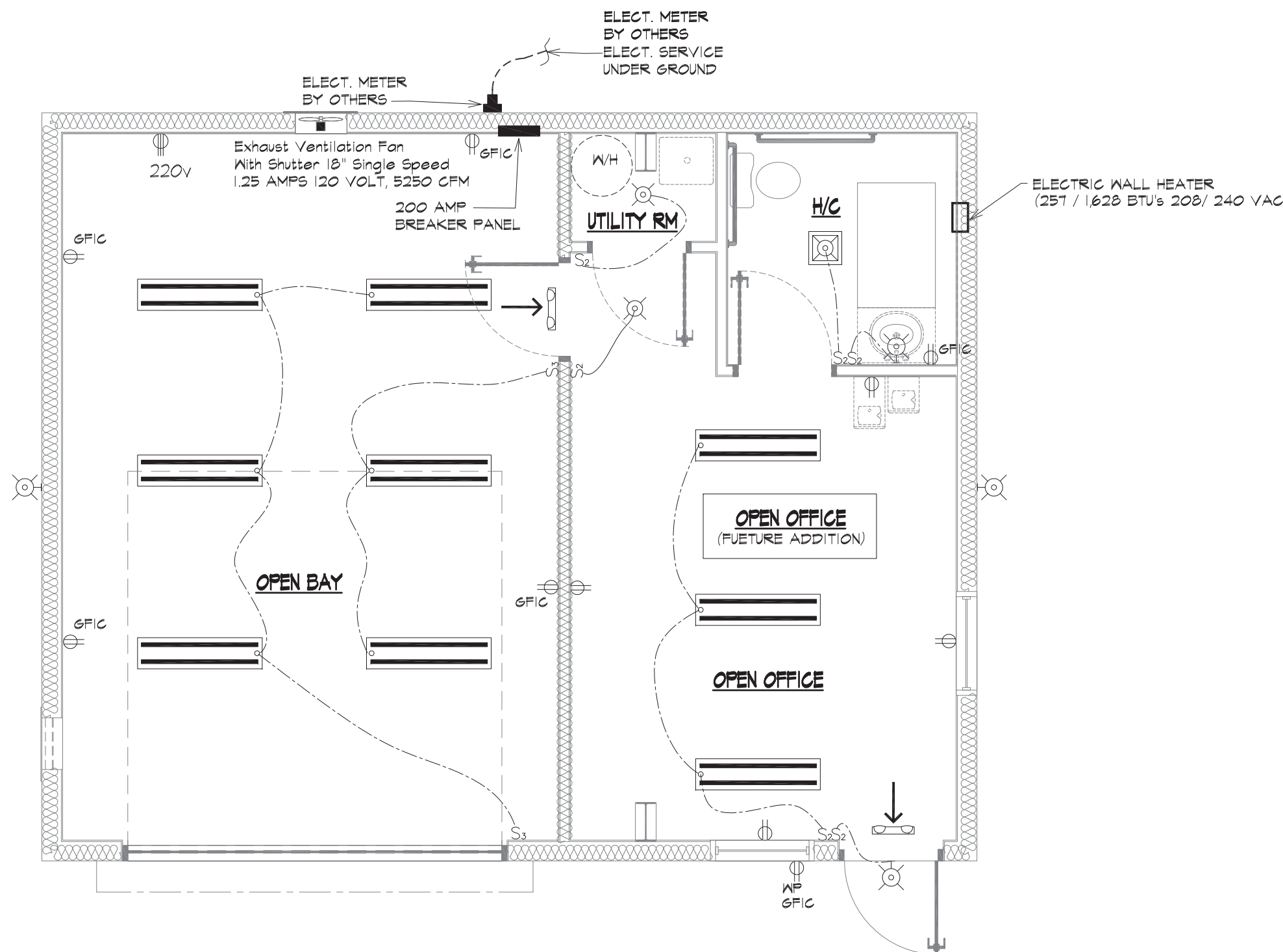
NOT TO SCALE



Specifications
Voltage: 240 Volt
Phase: 1 Phase
Wattage: 750/1500 Watt
Applications: Room Heating
Apartment Heating
Color: Bright White
W x H x D: 9 x 12 x 4 Inch
Manufacturer: King Electric
Included: Heating Unit
Wall Can
Grille

ELECT. WALL HEATER

SCALE: NONE



ELECTRICAL PLAN

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

NOTE:
WATER HEATER AND ANY ELECTRICAL RECEPTACLES , EQUIPMENT MUST BE MOUNTED 24" + FROM FLOOR AND EQUIPMENT AS H/P MUST BE ANCHOR TO STRUCTURE OR ANCHOR IN GROUND DUE TO FLOODING IN THIS STRUCTURE AND MUST MEET FEMA REQUIREMENTS.

REVISION "D" 10/16/19 - NEW DRAWINGS

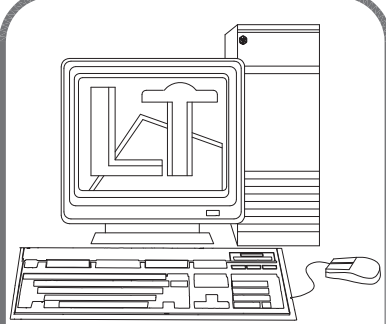
CONTRACTOR NOTES:

- 1. CONTRACTOR MUST CONFORM TO 2015 (INTERNATIONAL BUILDING CODE).
- 2. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD, (VIF) ADJUST DIMENSIONS WHERE REQUIRED OR AS NEEDED. (IF BUILDING DEVIATE SUBSTANTIAL FROM PLANS), PLEASE SUMMIT IN WRITING AND/OR DRAWING MARK UPS. ALL CHANGES TO BE SENT DEG DESIGNS & SERVICES, ROANOKE, VA.

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REVISIONS	BY
"A" 1/21/19	DEG
"B" 3/21/19	DEG
"C" 5/3/19	DEG
"D" 10/16/19	DEG



DEG
Design & Services

4720 Sanders Dr. NE
Roanoke, Va. 24019
540-366-5575

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NEW METAL BUILDING
for
Amaya Concrete
1129 KIRK AVE S.E.
Roanoke, Virginia

DRAWN DEG
DATE DRAWN 11/12/18
APPROVED BY
DATE
SCALE NONE
JOB NO.
SHEET E101
OF SHEETS



www.balzer.cc



DESIGN LOAD SCHEDULE (2015 IBC)

DESIGN ALLOWABLE SOIL BEARING CAPACITY:		5000 psf (ASSUMED)
<u>DEAD LOADS:</u>		
ROOF DEAD LOAD:		BY MFR
<u>UNREDUCED LIVE LOADS:</u>		
ROOF LIVE LOAD:		20 psf
<u>METAL BUILDING DESIGN CRITERIA:</u>		
ROOF DEFLECTION LIMIT:		L/180
HORIZONTAL DEFLECTION LIMIT:		L/180
LATERAL DRIFT LIMIT:		H/200
<u>SNOW LOADS:</u>		
GROUND SNOW LOAD:		30 psf
SLOPED ROOF SNOW LOAD:		21 psf
SNOW EXPOSURE FACTOR:		1.0
IMPORTANCE FACTOR:		1.0
THERMAL FACTOR:		1.0
<u>WIND LOAD DESIGN CRITERIA:</u>		
ANALYSIS PROCEDURE:		ASCE 7-10 CHAPTER 27
BUILDING TYPE:		ENCLOSED
ULTIMATE DESIGN WIND SPEED:		115 mph
NOMINAL DESIGN WIND SPEED:		89 mph
RISK CATEGORY:		II
EXPOSURE:		B
INTERNAL PRESSURE COEFFICIENT:		±0.18
<u>SEISMIC LOADS:</u>		
RISK CATEGORY:		II
IMPORTANCE FACTOR:		1.0
MAPPED SPECTRAL ACCELERATION:		S _s =0.23 S ₁ =0.06
SITE CLASS:		D
SITE CLASS COEFFICIENTS:		F _a =1.20 F _v =1.70
SPECTRAL RESPONSE COEFFICIENT:		S _{DS} =0.06 S _{D1} =0.24
SEISMIC DESIGN CATEGORY:		B

DIVISION 1 - GENERAL:

DIVISION 2 - FOUNDATION & SITE PREPARATION

DIVISION 3 - CONCRETE

DIVISION 4 - MASONRY

DIVISION 5 - STRUCTURAL STEEL:

DIVISION 6 - WOOD CONSTRUCTION

- # AMAYA CONCRETE OFFICE

S0.1

PROJECT NO 03200094.0



**BALZER
& ASSOCIATES**
PLANNERS / ARCHITECTS
ENGINEERS / SURVEYORS

Roanoke / Richmond
New River Valley / Staunton
Harrisonburg / Lynchburg

www.balzer.cc
1208 Corporate Circle
Roanoke, VA 24018
540.772.9580



AMAYA CONCRETE OFFICE
SUB-TITLE AND PROJECT TYPE
FOUNDATION PLAN

DRAWN BY **WCH**
DESIGNED BY **MJF**
CHECKED BY **MJF**
DATE **11/09/2020**
SCALE **As indicated**
REVISIONS
1 04/14/2021 Revision 1

S1.1
PROJECT NO 03200094.00

PIER SCHEDULE				
MARK	W x L	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	REMARKS
P1.6	18" x 18"	(4) #5 BARS	#3 TIES @ 12" O.C.	ADDITIONAL TIES @ ANCHOR RODS

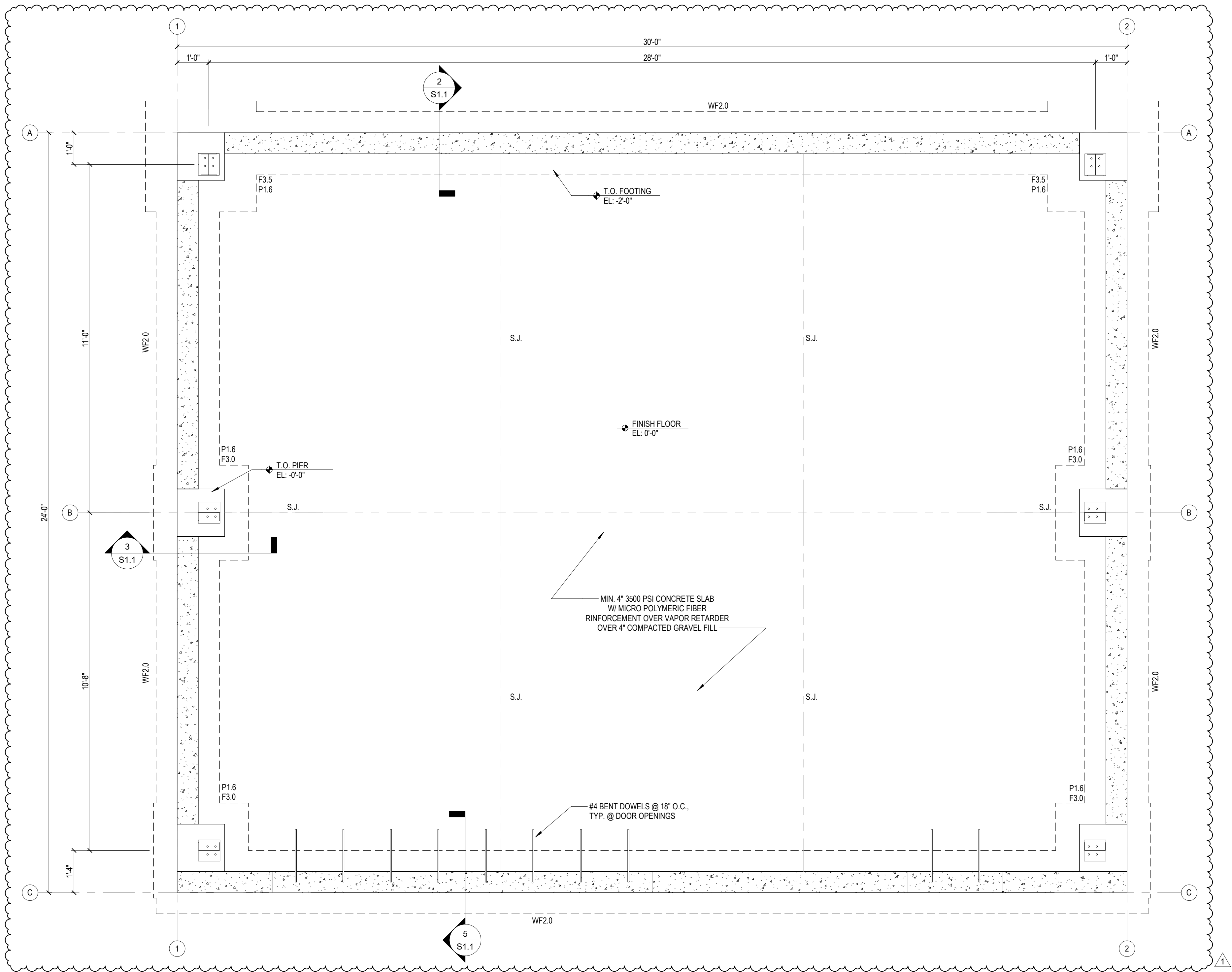
FOOTING SCHEDULE						
MARK	SIZE			LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT	REMARKS
	WIDTH	LENGTH	DEPTH			
F3.0	3'-0"	3'-0"	1'-0"	(3) #5 @ BOTTOM	(3) #5 @ BOTTOM	SPREAD FOOTING
F3.5	3'-6"	3'-6"	1'-0"	(3) #5 @ BOTTOM	(3) #5 @ BOTTOM	SPREAD FOOTING
WF2.0	2'-0"		1'-0"	(2) #5 @ BOTTOM	-	WALL FOOTING

GENERAL FOUNDATION NOTES:

- SEE SITE PLAN FOR EXACT WALKWAY/CURB, ETC. LOCATIONS AND FOR CONTINUATION REQUIREMENTS.
- FOOTING SIZES BASED ON AN ASSUMED 1500 psf BEARING CAPACITY.
- FOOTING SIZES BASED ON FINAL METAL BUILDING REACTIONS AS PROVIDED BY AMERICAN BUILDINGS, DATED MARCH 2, 2021.
- FOOTING ELEVATIONS SHOWN ARE APPROXIMATE ONLY. ACTUAL FOOTING STEP LOCATIONS SHALL BE AS REQUIRED IN FIELD TO MAINTAIN DEPTH BELOW FINISH GRADE. ADDITIONAL STEPS MAY BE REQUIRED TO OBTAIN SUITABLE BEARING.
- ALL EARTHWORK CUT AND FILL OPERATIONS SHALL BE OBSERVED BY A LICENSED GEOTECHNICAL ENGINEER AS STIPULATED IN THE PROJECT STATEMENT OF SPECIAL INSPECTIONS. NOTIFY ENGINEER OF RECORD OF ANY ADVERSE SOIL CONDITIONS DISCOVERED THAT MAY AFFECT THE DESIGN OF ANY FOUNDATION ELEMENTS.
- ONSITE SOILS MAY BE USED FOR STRUCTURAL BACKFILLING OPERATIONS WHEN STATED IN THE PROJECT GEOTECHNICAL ENGINEER'S REPORT. SUITABLE SOILS MUST BE CLASSIFIED AS CL, ML, SC, SM, SP, SW, GC, GM, GP, OR GW PER ASTM D2487. BACKFILL MUST BE PLACED AT OPTIMUM MOISTURE CONTENT AND IN 8" MAXIMUM LIFT INCREMENTS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D698. ALL BACKFILLING OPERATIONS AND FOUNDATION TRENCHES ARE TO BE OBSERVED BY AND PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

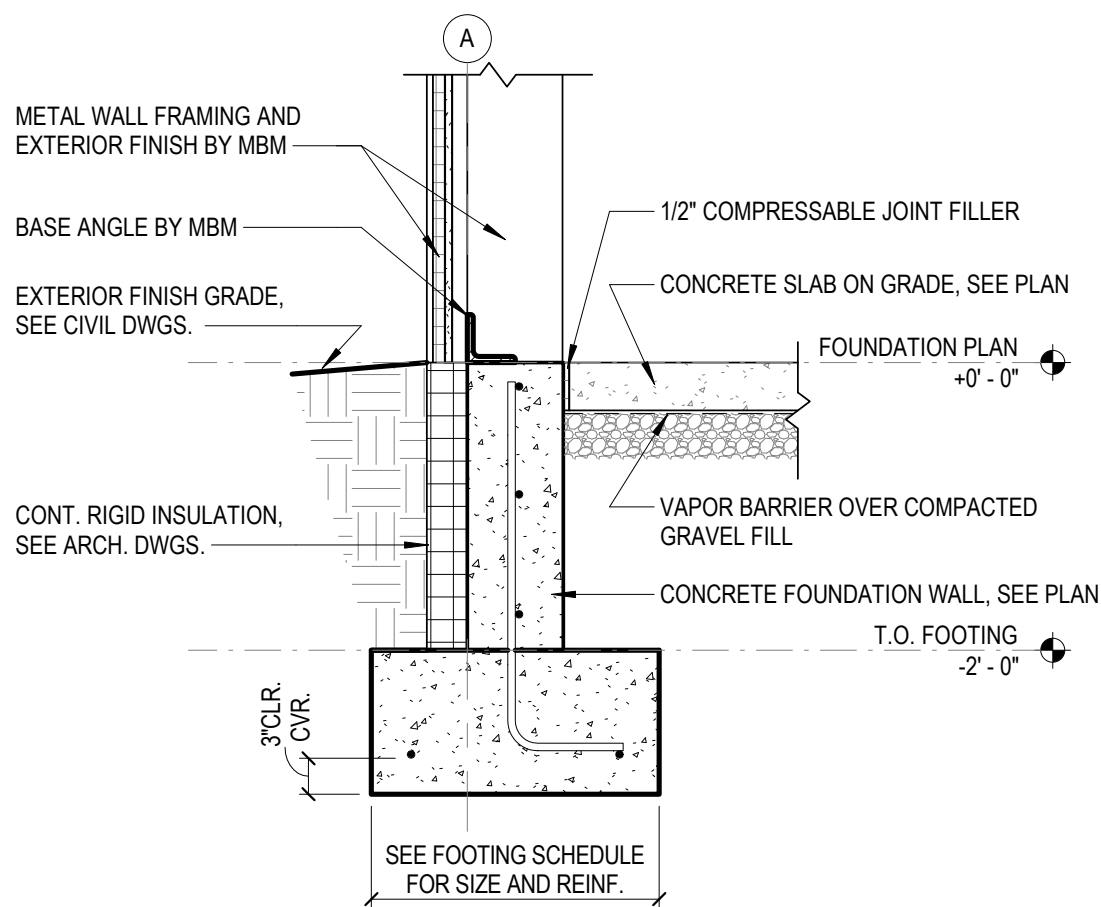
CONCRETE SLAB NOTES:

- SUB-BASE GRADE FOR GROUND FLOOR SLAB SHALL BE PROOF-ROLLED IN CONSULTATION WITH THE GEOTECH ENGINEER. EXTERIOR SLABS ON GRADE SHALL BE PROVIDED WITH A MINIMUM 8" LAYER OF POROUS COMPACTED FILL AND INTERIOR SLABS SHALL OVERLAY A MINIMUM 4" SUCH LAYER. FILL MAY CONSIST OF VDOT #57, #21A, STONE SCREENINGS, RECYCLED CONCRETE, OR OTHER SUITABLE MATERIAL SUBJECT TO APPROVAL OF GEOTECH ENGINEER.
- CONCRETE FLOOR SLABS SHALL BE OF A MINIMUM THICKNESS AS CALLED OUT ON FOUNDATION PLAN. CONCRETE FOR SLABS ON GRADE SHALL BE REINFORCED WITH EMBEDDED FIBER REINFORCEMENT FOR SHRINKAGE CRACK CONTROL AND RESIDUAL STRENGTH. SLABS SHALL BE PROPERLY CURED TO PREVENT EXCESSIVE SHRINKAGE AS WELL AS EDGE CURLING AND OTHER FIELD ISSUES. A 7 DAY WET CURE IS RECOMMENDED. SLABS SHALL BE SUITABLY FLAT AND LEVEL FOR THE INTENDED USE AS ACCEPTABLE TO THE OWNER.
- SAW CUT CONTROL JOINTS SHALL BE PROVIDED IN THE SLAB PRIOR TO CURING IN A REGULAR RECTANGULAR GRID, AS BEST AS POSSIBLE. JOINTS SHALL BEGIN AT COLUMN ISOLATION, JOINTS AND/OR RE-ENTRANT CORNERS AND SHALL PANELIZE THE SLAB IN RECTANGULAR SEGMENTS APPROXIMATELY 2:1 OR SQUARE IN LENGTH/WIDTH RATIO. JOINTS SHALL BE SPACED NO FURTHER THAN SIX SLAB THICKNESS IN A "STRUCTURALLY REINFORCED" SLAB OR 38X SLAB THICKNESS FOR A MINIMALLY REINFORCED SLAB. ADJUST ACTUAL SPACING OF JOINTS AS NECESSARY BASED UPON SELECTED PERFORMANCE CRITERIA AND FIBER REINFORCEMENT DOSAGE RATE.
- FIBER REINFORCEMENT FOR CONCRETE SLABS SHALL BE EUCOLD TUF-STRAND SF MACRO FIBERS OR APPROVED EQUIVALENT. PROVIDE MINIMUM FIBER REINFORCEMENT DOSAGE RATE OF 3.1LB/CYD (POUNDS PER CUBIC YARD). MACRO FIBERS SHALL COMPLY WITH ASTM C1116 TYPE III AND ASTM D7508 AND SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 ksi. SYNTHETIC MACRO FIBERS FOR CONCRETE SHALL EXHIBIT A POST-CRACK RESIDUAL STRENGTH AND TOUGHNESS VALUE (R₆₃) OF 18% IN ACCORDANCE WITH ASTM C1609.
- SEE PLAN FOR GROUND FLOOR SLAB ELEVATIONS AND STEPS. COORDINATE WITH ARCHITECTURAL AND MEP DRAWINGS FOR SLAB CUTOUTS, DEPRESSIONS, AND PENETRATIONS NOT SHOWN ON FOUNDATION PLAN. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR COORDINATION OF OTHER TRADES WITH THE CONCRETE.
- SEE ARCHITECTURAL DRAWINGS FOR SLAB FINISHES, COVERINGS, AND/OR TOPPINGS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR COVERINGS AND TOPPINGS WITH REGARDS TO SLAB THICKNESS, SLOPE, FLATNESS/LEVELNESS, MOISTURE, PERMEABILITY, HARDNESS, JOINT SPACING, AND ANY OTHER COMPATIBILITY ISSUE. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR COORDINATION OF FINISH REQUIREMENTS.
- PROVIDE DIAMOND-SHAPED ISOLATION BLOCKOUTS AROUND COLUMN BASES EXTENDING BELOW THE SLAB.
- PROVIDE (2) #4 X24" REBARS AT 2" DEPTH AT 45° ANGLE TO ALL RE-ENTRANT CORNERS IN SLAB.



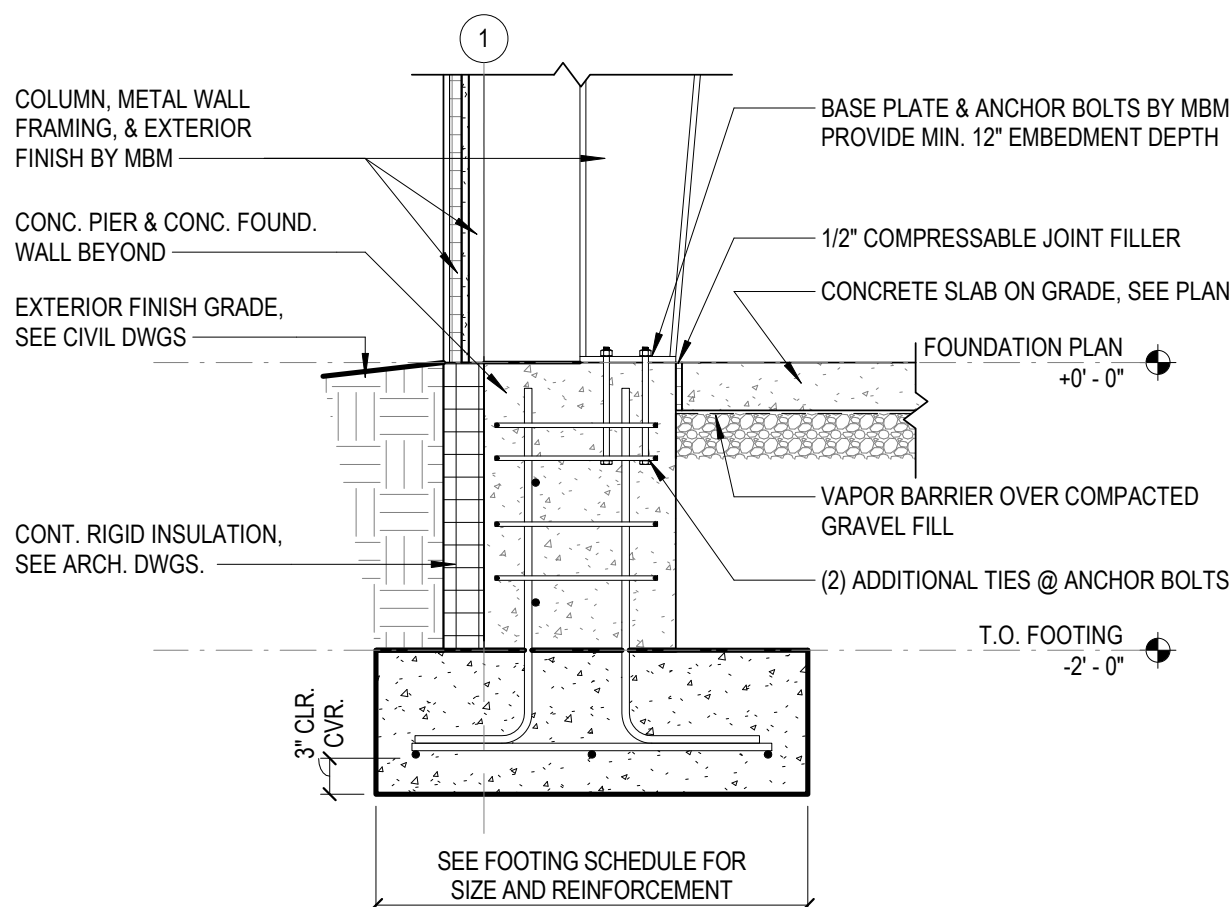
FOUNDATION PLAN

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



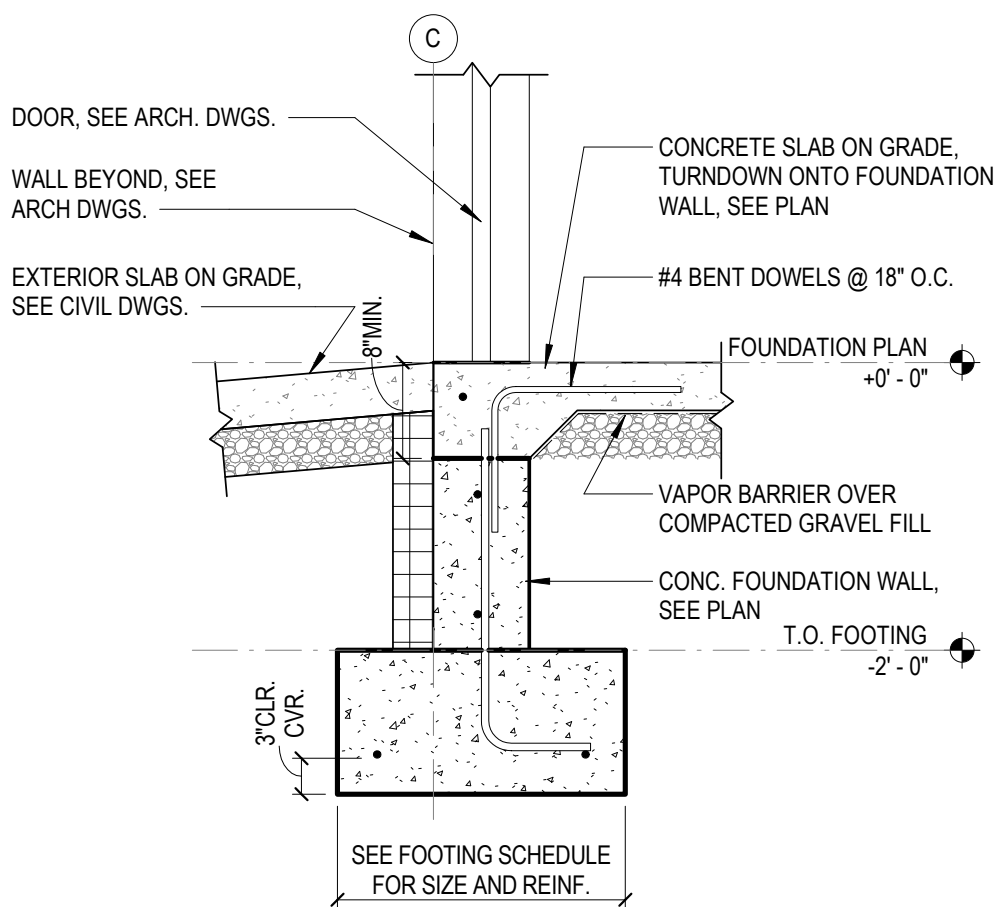
FOUNDATION WALL DETAIL

2
S1.1
3/4" = 1'-0"



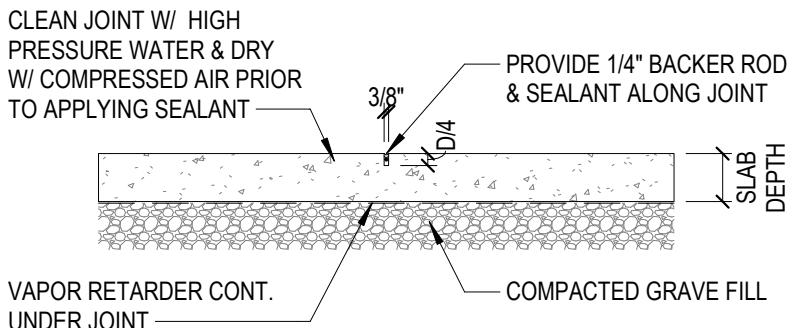
COLUMN FOOTING DETAIL

3
S1.1
3/4" = 1'-0"



WALL OPENING DETAIL

5
S1.1
3/4" = 1'-0"



SAW CUT CONTROL JOINT

3/4" = 1'-0"