

NOTES

- BUILDING IS DESIGNED TO COMPLY WITH THE 2018 KBC
- DESIGN COMPLIES WITH THE PROVISIONS OF THE 2018 KBC FOR THE FOLLOWING LOADS:
GROUND SNOW LOAD = 140 PSF
FLOOR LOAD = 400 PSF
IBC DESIGN SPECTRAL RESPONSE $S_s = 0.176$, $S_1 = 0.075$
SITE CLASS D
SEISMIC USE GROUP: II
SEISMIC DESIGN CATEGORY: C
BEARING WALL SYSTEM $R = 4.0$
BASIC WIND SPEED = 150 MPH (3-SECOND GUST),
WIND EXPOSURE C, $I = 1.0$
 - CONSTRUCTION TYPE: V-B
OCCUPANCY: B
EXTERIOR WALLS: 1-HR RATED PER IBC TABLE 721.1(2), ITEM 4-1.1
MINIMUM FIRE SEPARATION DISTANCE: 10 FEET
 - CONCRETE STRENGTH $f'_{ci} = 2500$ PSI INITIAL $f'_c = 5000$ PSI
FINAL AIR ENTRAINMENT $6\% \pm 1\ 1/2\%$ IN PLASTIC CONCRETE.
REINFORCING STEEL: GRADE 60 $F_y=60$ KSI
MINIMUM LAP 18" AT SPLICES. TIE BARS DOUBLE ANNEALED 16 GA IRON WIRE. REINFORCING TO BE PLACED IN CENTER OF PANEL UNO. WELDED WIRE FABRIC(W.W.F.): 4x4xW6.7xW6.7, $F_y=65$ KSI (OR EQUIVAL).
COMPLY WITH ASTM A82, SMOOTH WIRE, MIN. LAP 2 SQUARES.
 - EMBEDDED ITEMS IDENTIFIED ON DRAWINGS(i.e. PS-2, R301) REFER TO CXT STANDARD EMBEDMENT CATALOG.
 - BACK OF PANELS TO HAVE SMOOTH TROWEL FINISH U.N.O. ALL SURFACES TO BE TEXTURED ARE NOTED ON PANEL DWG'S
 - REFER TO SEPARATE CXT INCORPORATED SPECIFICATIONS COVERING DESIGN, MATERIALS, PRODUCTION, AND INSTALLATION CRITERIA FOR SPECIFIC STYLE OF BUILDING.
 - ADEQUATE PLUMBING FACILITIES MUST BE PROVIDED IN ACCORDANCE WITH 2018 IBC SECTION 2902 (NOT BY CXT)

APPLICABLE CODES

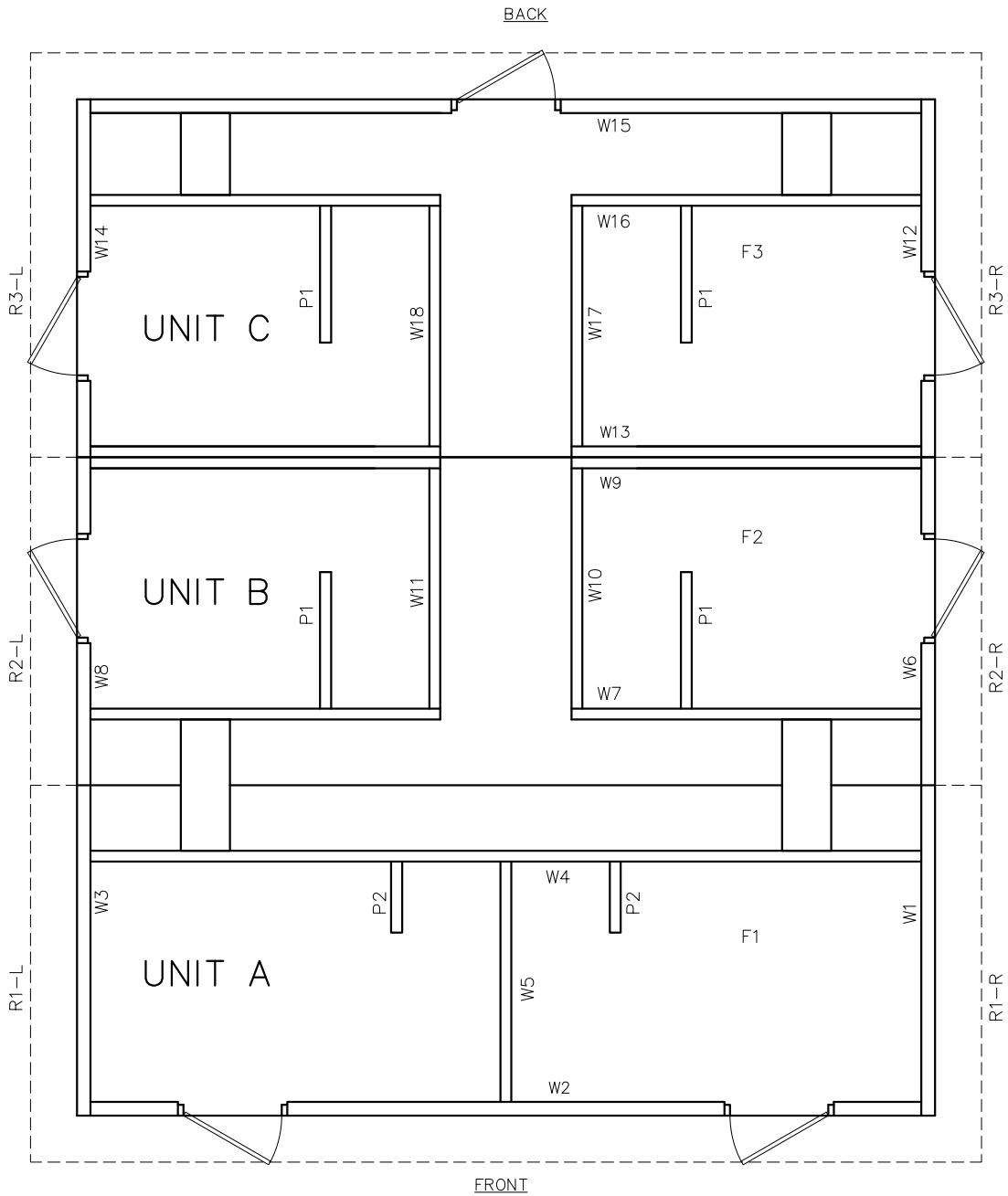
2018 Kentucky Building Code
2012 International Mechanical Code
2009 NFPA 54 -National Fuel Gas Code
2009 ICC/ANSI A117.1 -Accessible & Usable Buildings and Facilities
2012 International Energy Conservation Code
2013 Kentucky Plumbing Code -815 KAR Chapter 20
2014 NFPA 70 -National Electrical Code
2012 International Fire Code

SPECIAL CONDITIONS AND/OR LIMITATIONS

ACCESSIBILITY TO THIS BUILDING, INCLUDING PARKING IS TO BE PROVIDED BY OTHERS AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL BUILDING CODES

SANTIAGO

PANEL MARK NO. KEY PLAN



INDEX OF DRAWINGS

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S-21	WALL PANEL MARK W11
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S-24	WALL PANEL MARK W14
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S-26	WALL PANEL MARK W16
S-27	WALL PANEL MARK W16 BLOCKOUTS
S-28	WALL PANEL MARK W17
S-29	WALL PANEL MARK W18
S-30	FLOOR SLAB MARK F1
S-31	FLOOR SLAB MARK F2
S-32	FLOOR SLAB MARK F3
S-33	ROOF SLAB MARK R1-R
S-34	ROOF SLAB MARK R1-L
S-35	ROOF SLAB MARK R2-R
S-36	ROOF SLAB MARK R2-L
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S-38	ROOF SLAB MARK R3-L
S-39	INTERIOR PARTITIONS MARK P1 & P2
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S-47	MATERIAL LIST

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Precast Products
6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
901 N. Highway 77 Hillsboro, TX 76645
362 Waverly Road Williamstown, WV 26187

PROJECT TITLE
SANTIAGO
BUILDING NUMBER S-328

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/16"=1'-0"	DATE	02-12-21
DRAWN	FM5	FILE NO.	S-328
CHECKED	FM5	PLOT	64

COVER SHEET		
DWG NO.	SHEET	REV.
S-01	1	
	47	

LOOSE SHIPPED ITEMS PROVIDED BY CXT:

- FLOOR DRAIN HOUSING
- GROUT

1. THE SANTIAGO STYLE BUILDING CONSISTS OF THREE SEPARATE UNITS TO BE PLACED AND JOINED AT THE PROJECT SITE. PROPER SITE PREPARATION AND HANDLING IS ESSENTIAL FOR THE SAFE AND PROPER INSTALLATION OF THE BUILDING.
2. PROVIDE SHALLOW TRENCH WITH ROLLED EDGES ALONG BUILDING JOINT LINES TO PREVENT TRAPPING MATERIAL BETWEEN UNITS BEING DRAWN TOGETHER.
3. PLACE UNITS AS CLOSE TO ONE ANOTHER AS POSSIBLE. SPACE BETWEEN UNITS SHOULD NOT EXCEED 1" AT INITIATION OF POST-TENSIONING. MAXIMUM ALLOWABLE FINISH JOINT SPACE BETWEEN UNITS SHALL BE 1/2".
4. POST-TENSIONING TO DRAW UNITS INTO CONTACT SHALL BE ACCOMPLISHED WITH EQUIPMENT PROVIDED BY CXT BY PROPERLY TRAINED PERSONNEL. INSTRUCTIONS PROVIDED BY CXT SHALL BE CAREFULLY ADHERED TO. ALL NECESSARY SAFETY PRECAUTIONS SHALL BE TAKEN BY INSTALLATION PERSONNEL. STRESS TENDONS TO DRAW UNITS TOGETHER AND TO RETAIN A MINIMUM EFFECTIVE FORCE IN EACH TENDON OF 2 KIPS AFTER ALL LOSSES.
5. AFTER COMPLETION OF BUILDING PLACEMENT, BLOCKOUTS AT POST-TENSIONING ANCHORAGE POINTS SHALL BE FILLED WITH NON-METALLIC, NON-SHRINK GROUT. PROVIDE SMOOTH, NEAT FINISH COMPATIBLE WITH SURROUNDING CONCRETE SURFACES. MATCH CONCRETE COLOR.
6. PROVIDE UTILITY CONNECTIONS (PLUMBING & ELECTRICAL) AS REQUIRED AND/OR AS CALLED FOR ON THE DRAWINGS.
7. FILL FLOOR BLOCKOUTS AFTER COMPLETION OF UTILITY HOOKUPS WITH CONCRETE. SLOPE TO DRAIN.



RECOMMENDED HANDLING AND INSTALLATION INSTRUCTIONS

UNIT SHIPPING DIMENSIONS							
	ROOF – EAVE	TO EAVE	FLOOR TO FLOOR		MAXIMUM HEIGHT	SHIPPING WEIGHT	DIMENSION 'A'
	LENGTH	WIDTH	LENGTH	WIDTH			
UNIT A	29'-2 1/2"±	11'-6"	26'-2"	10'-1"	12'-0" ±	75,000	3'-0"
UNIT B	29'-2 1/2"±	10'-0"	26'-2"	10'-0"	12'-0" ±	72,500	3'-0"
UNIT C	29'-2 1/2"±	12'-4"	26'-2"	10'-11"	12'-0" ±	91,500	4'-0"

[illegible]

APPROXIMATE WEIGHT

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1. C.G. IS APPROXIMATE.



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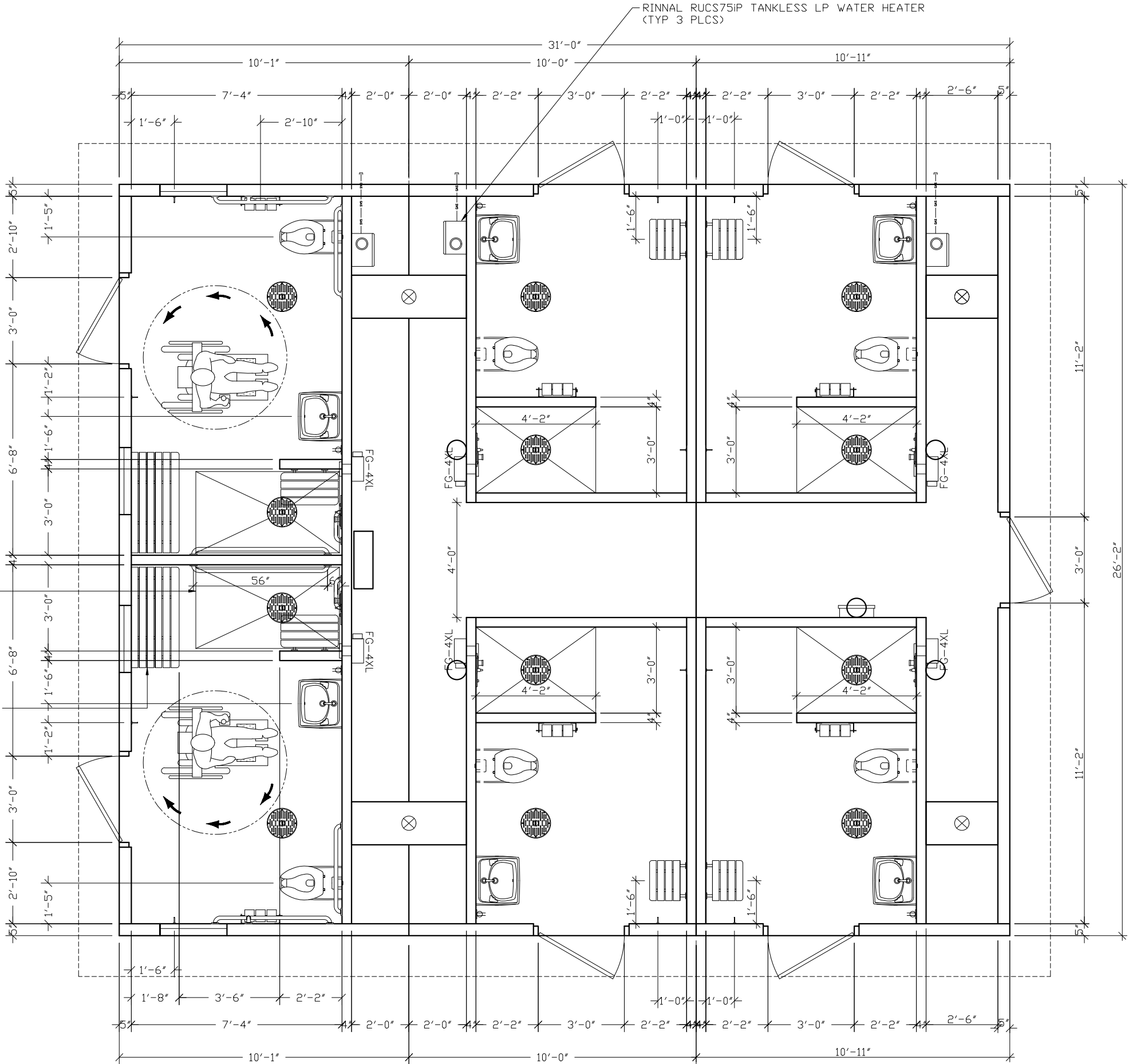
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/8"=1'-0"	DATE	03-10-21
DRAWN	FMS	FILE NO.	S-328
CHECKED	FMS	PLOT	96

HANDLING INSTRUCTIONS

DWG NO.	SHEET 2 47	REV.
S-02		

ANSI A117.1 COMPLIANT
ALT. ROLL-IN-TYPE SHOWER
COMPARTMENT (608.2.3)

ADA COMPLIANT 20" x 42"
FIXED WALL CHANGING BENCH



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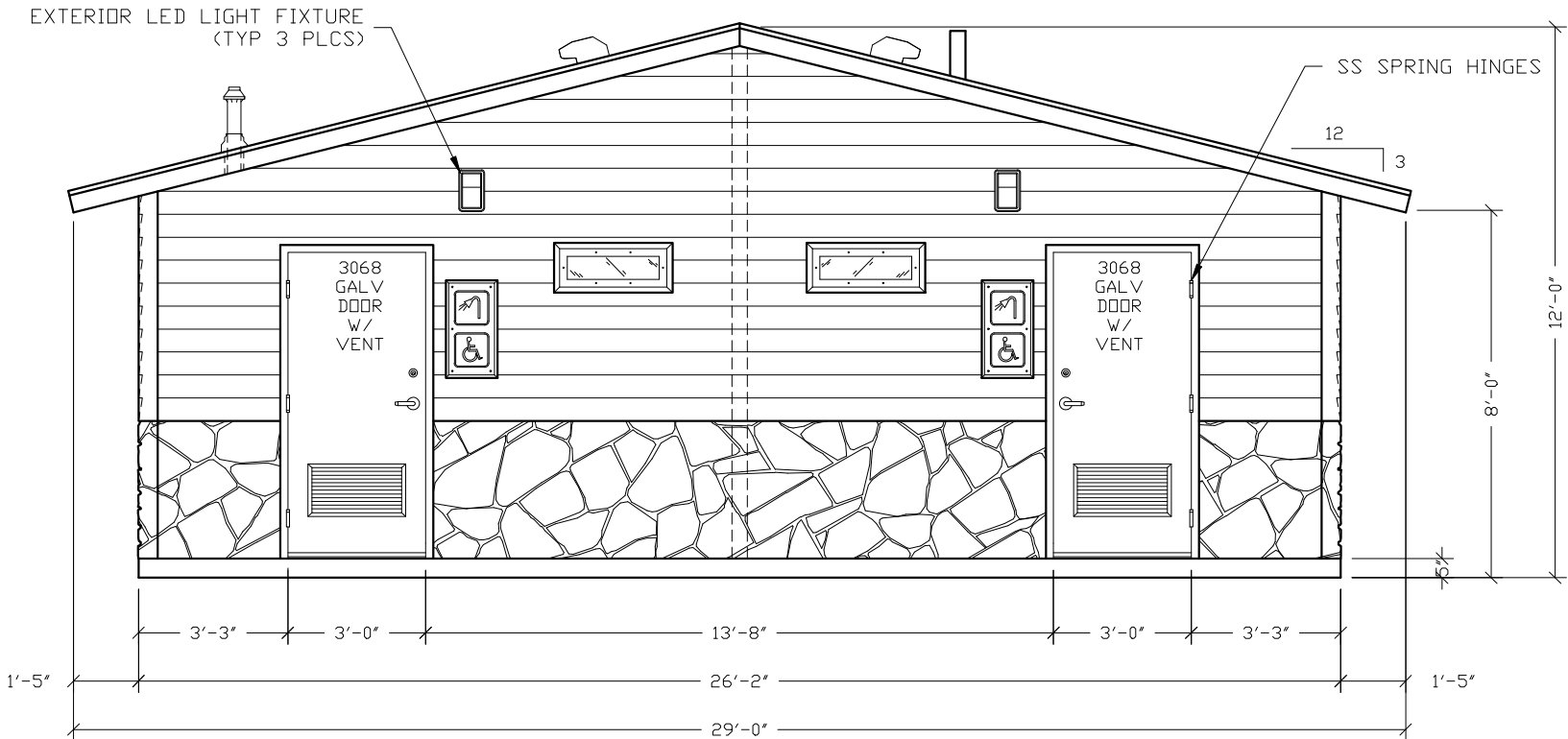
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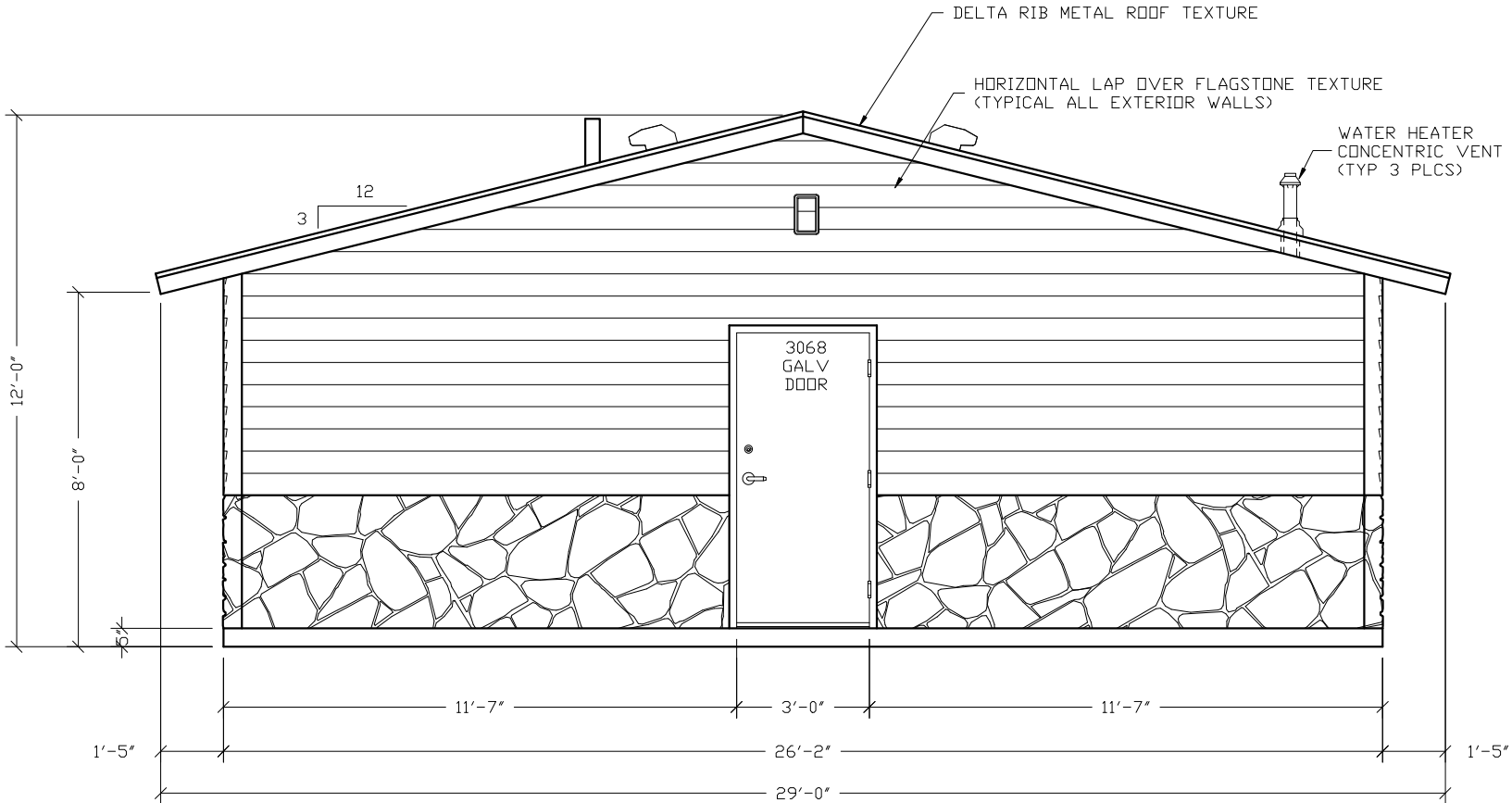
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SCALE	1/4"=1'-0"	DATE	02-11-21
DRAWN	FM5	FILE NO.	S-328
CHECKED	FM5	PLOT	48

FLOOR PLAN

DWG NO.	S-03	SHEET	3	REV.	47
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FRONT ELEVATION



REAR ELEVATION

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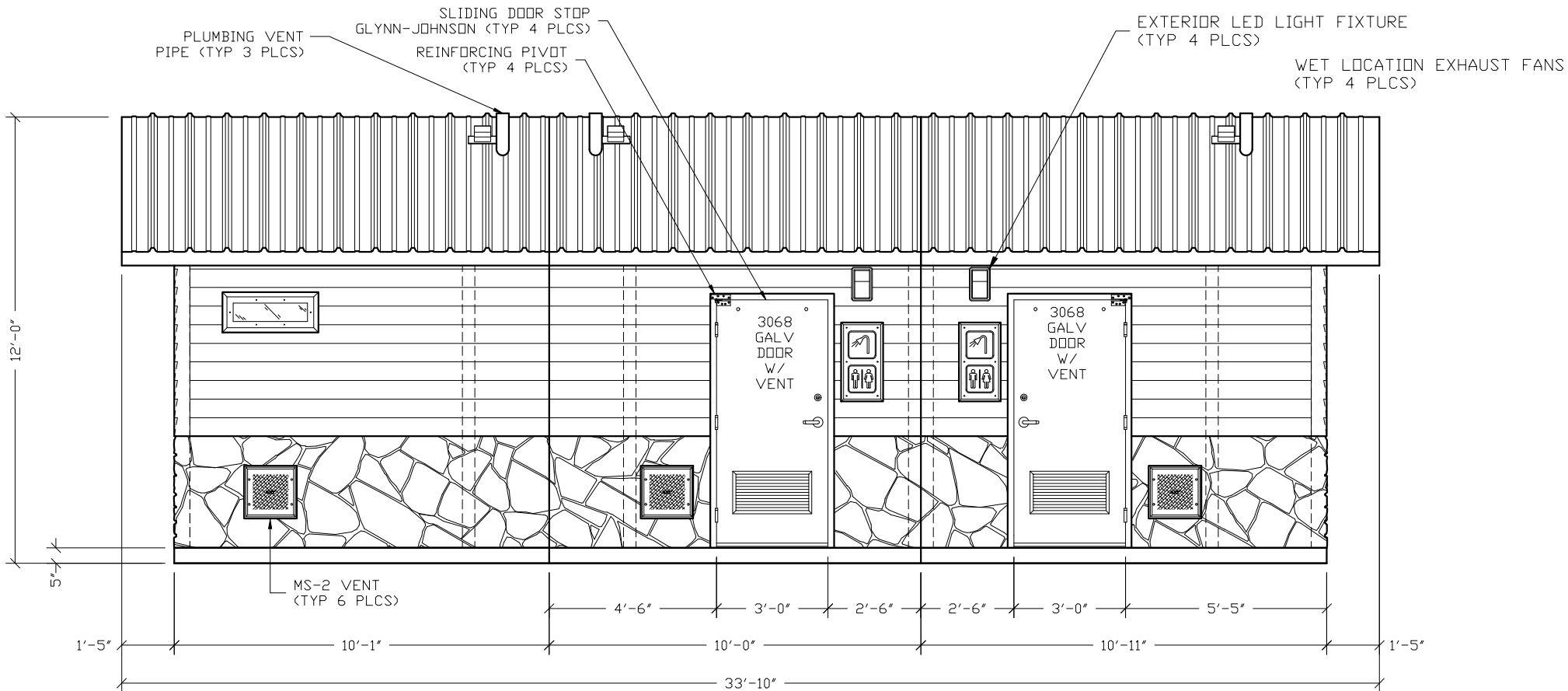
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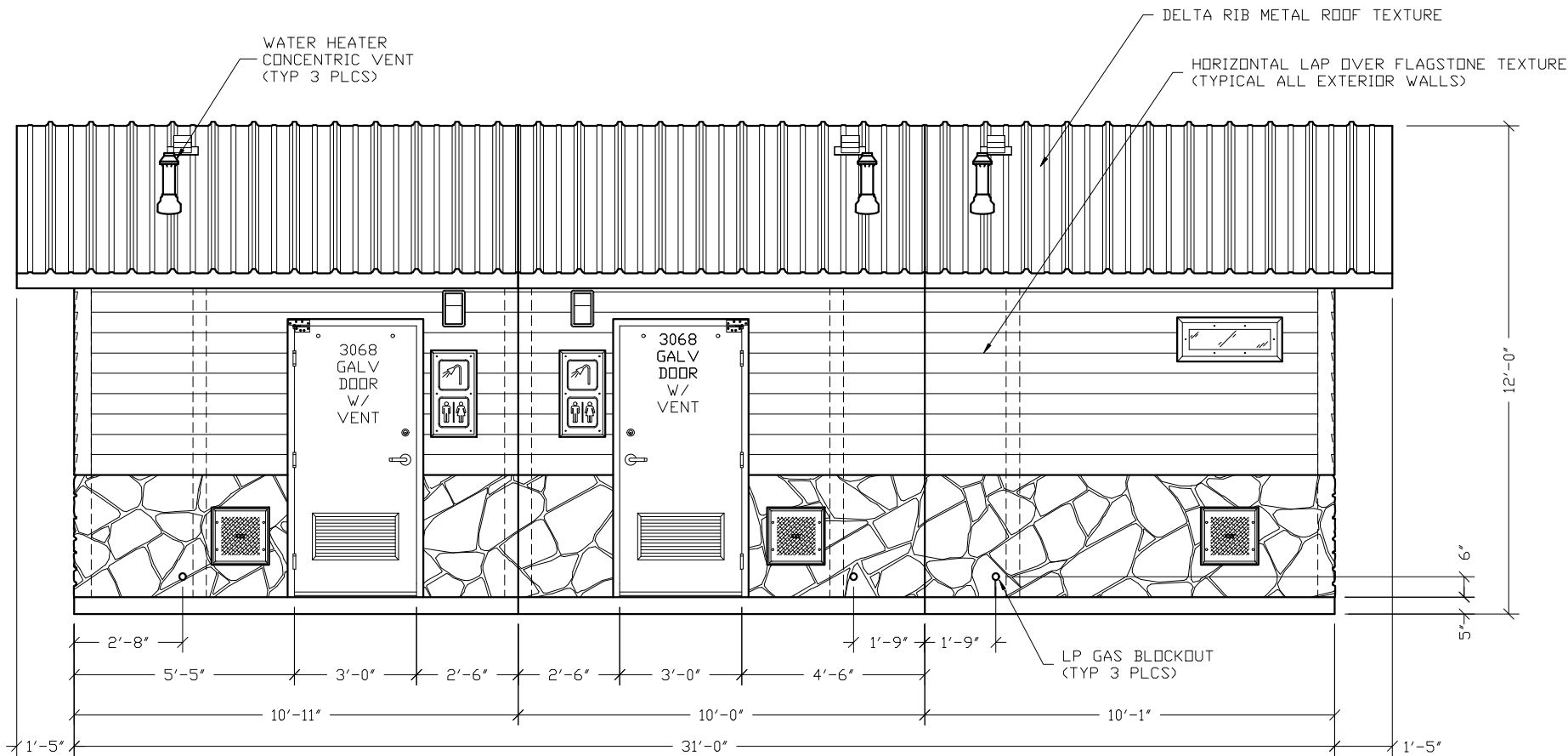
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	02-12-21
DRAWN	FMS	FILE NO.	S-328
CHECKED	FMS	PLOT	48

BUILDING ELEVATIONS

DWG NO.	SHEET	REV.
S-04	4	
	47	



RH SIDE ELEVATION



LH SIDE ELEVATION

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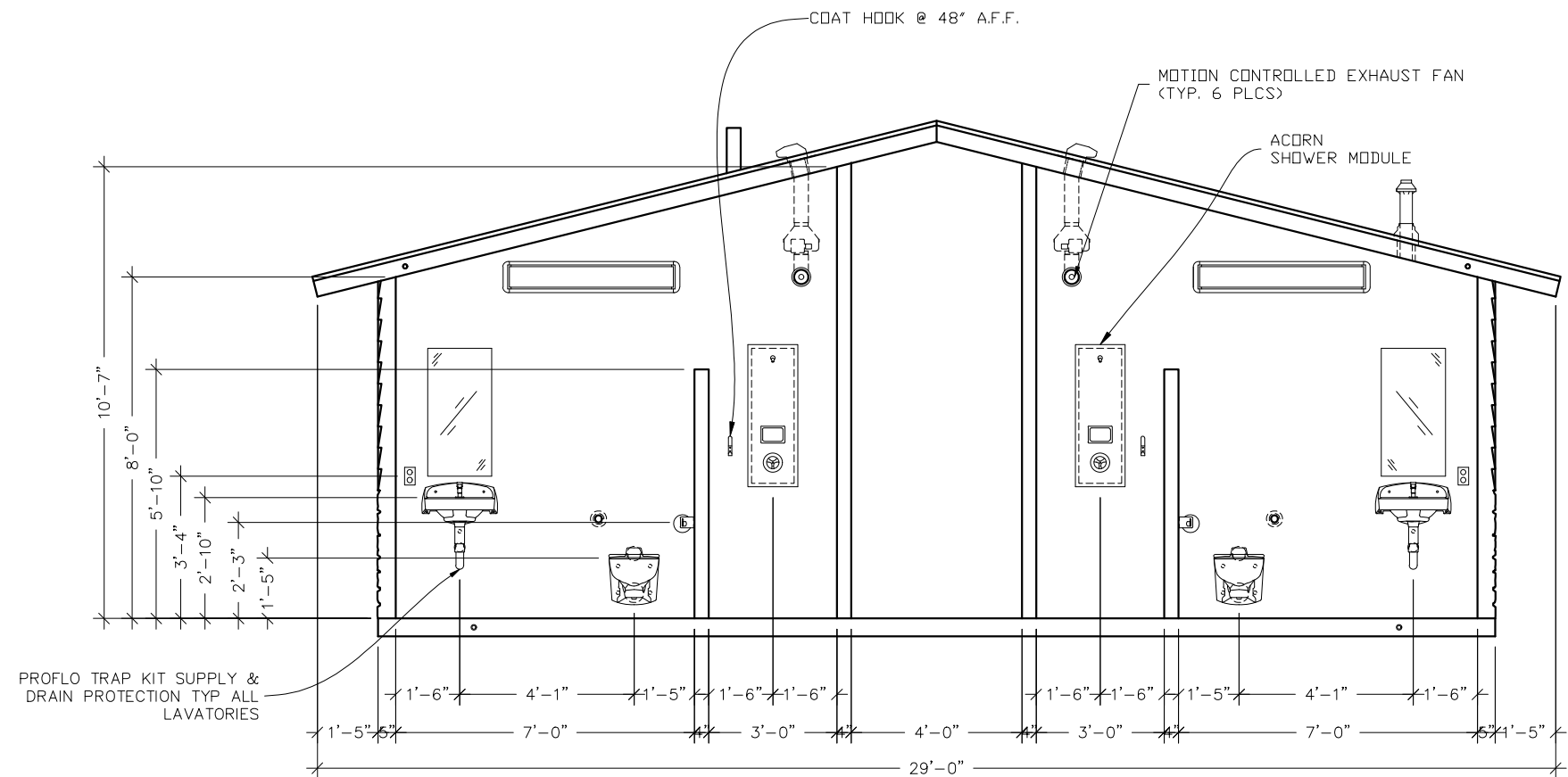
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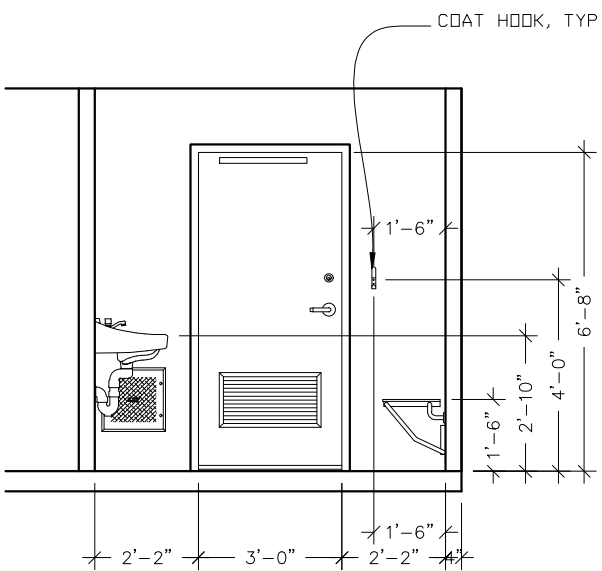
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CHECKED	FMS	PLOT	48

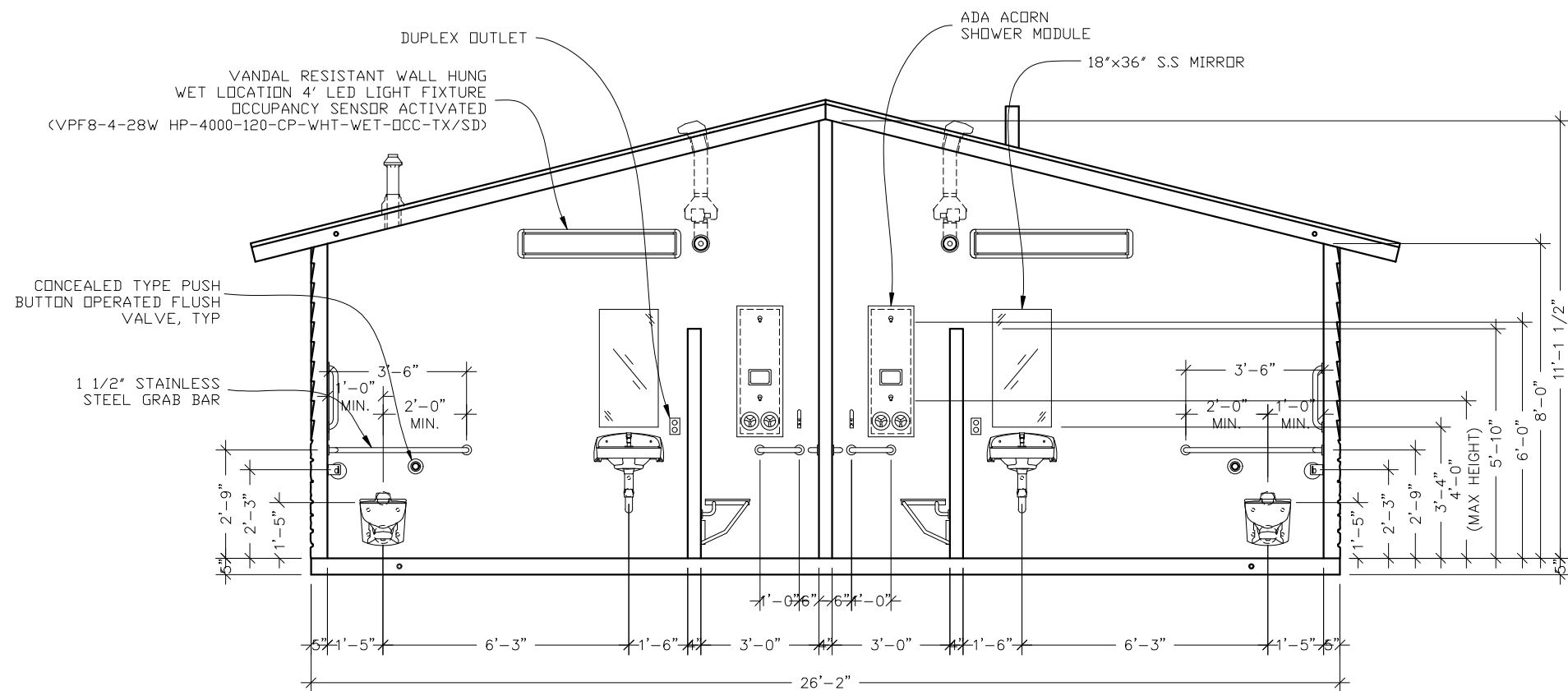
BUILDING ELEVATIONS		
DWG NO.	SHEET	REV.
S-05	5	47



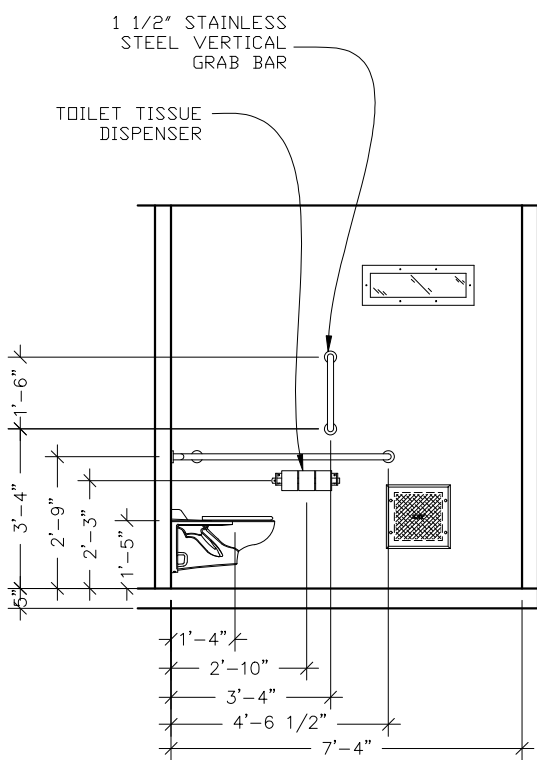
1 INTERIOR ELEVATION - UNIT B BACK WALL



2 INTERIOR ELEVATION - UNIT B RIGHT SIDE WALL



3 INTERIOR ELEVATION - UNIT A BACK WALL



4 INTERIOR ELEVATION - UNIT A RIGHT SIDE WALL

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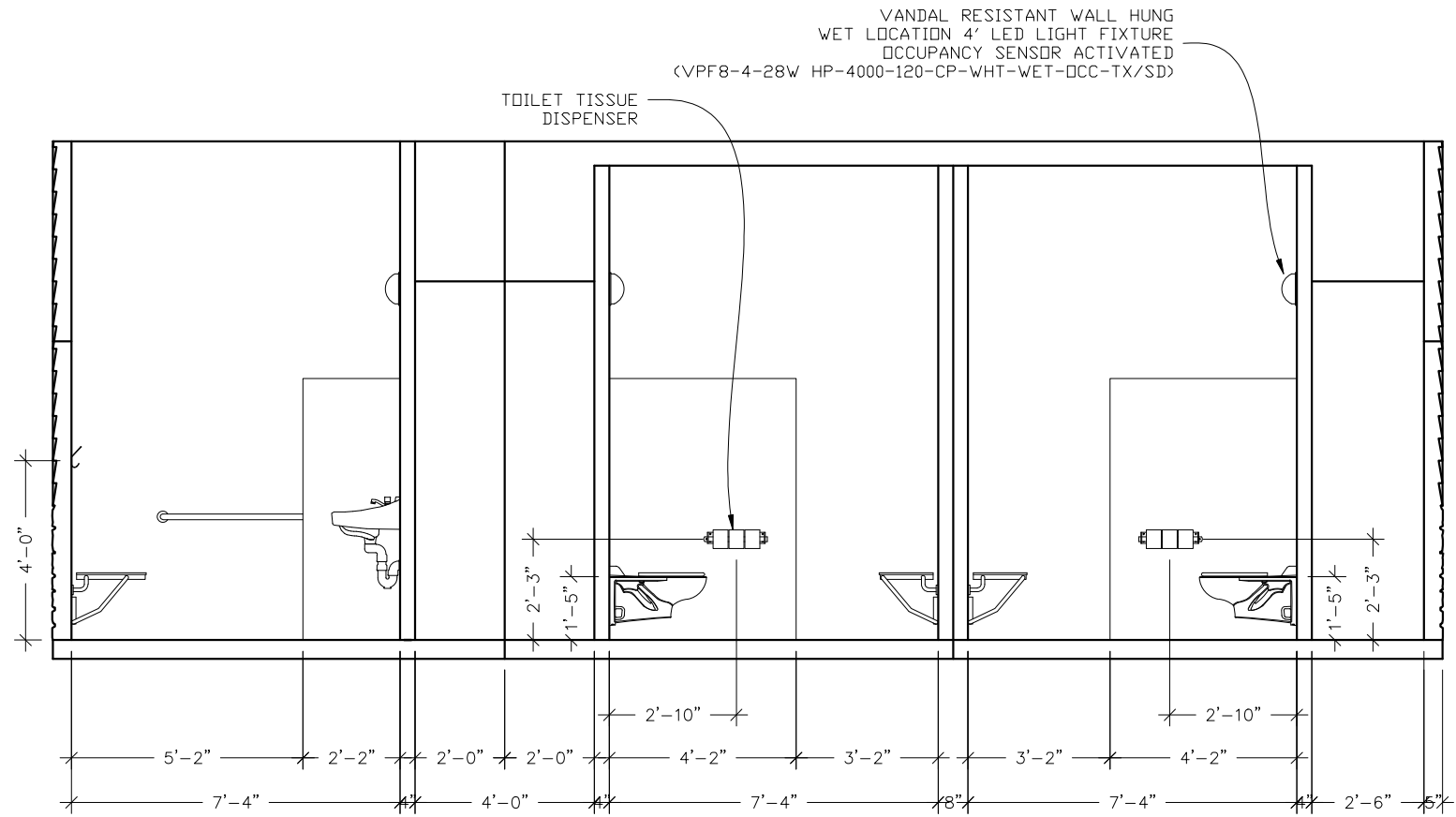
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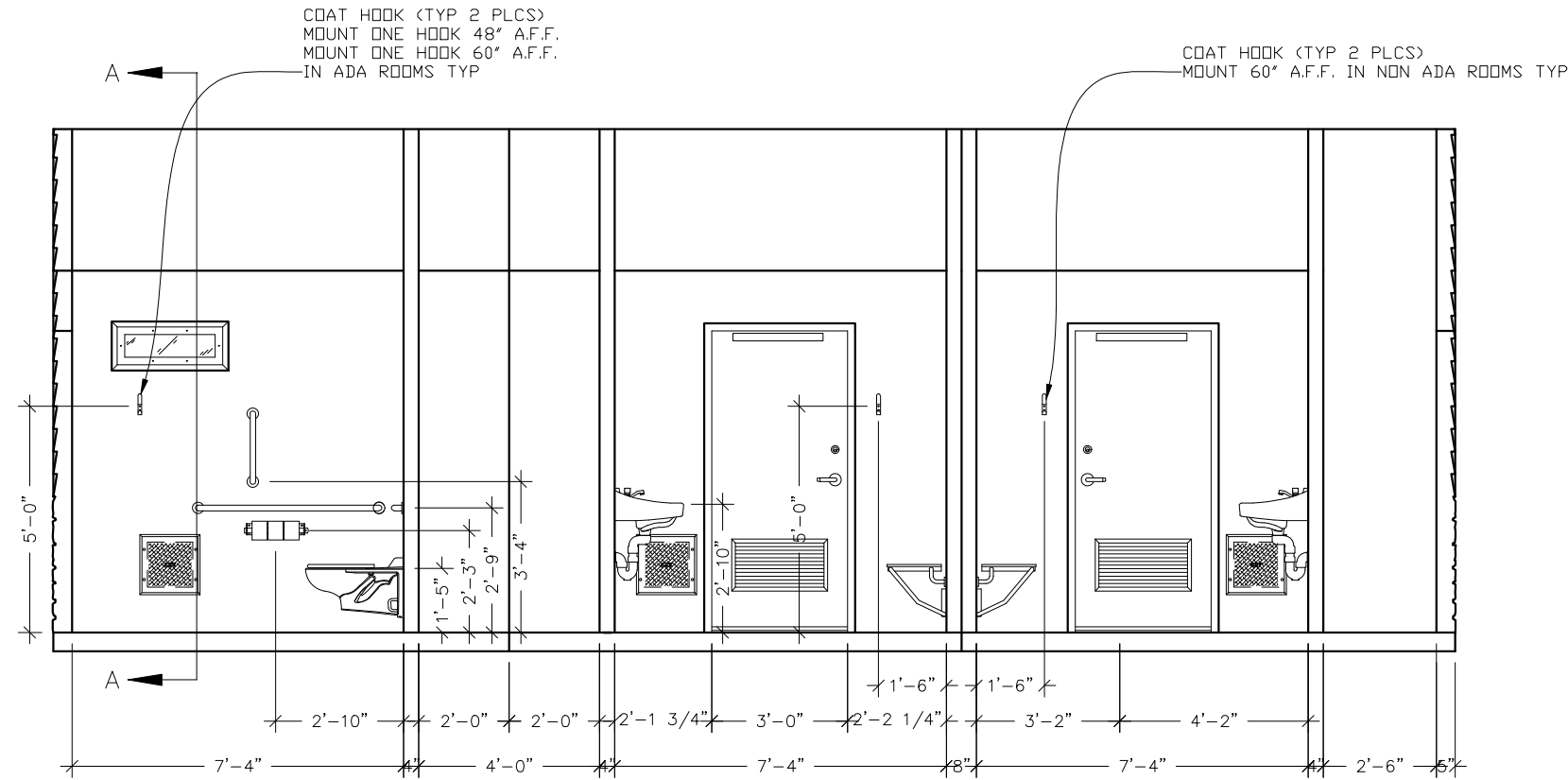
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CHECKED	FM5	PLOT	48

INTERIOR ELEVATIONS

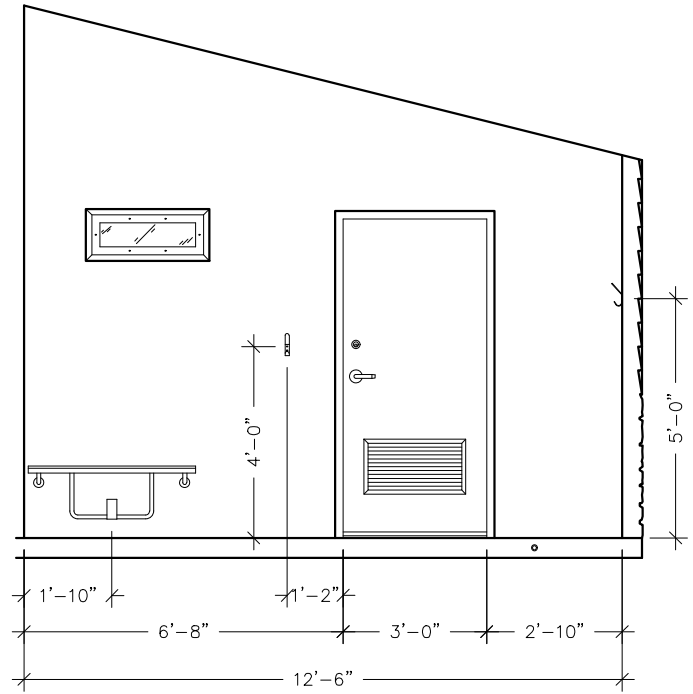
DWG NO.	SHEET	REV.
S-06	6	47



INTERIOR ELEVATION – RH CHASE WALL
LH SIDE OPPOSITE



INTERIOR ELEVATION – LH EXTERIOR WALL
RH SIDE OPPOSITE



INTERIOR ELEVATION – SECTION A-A

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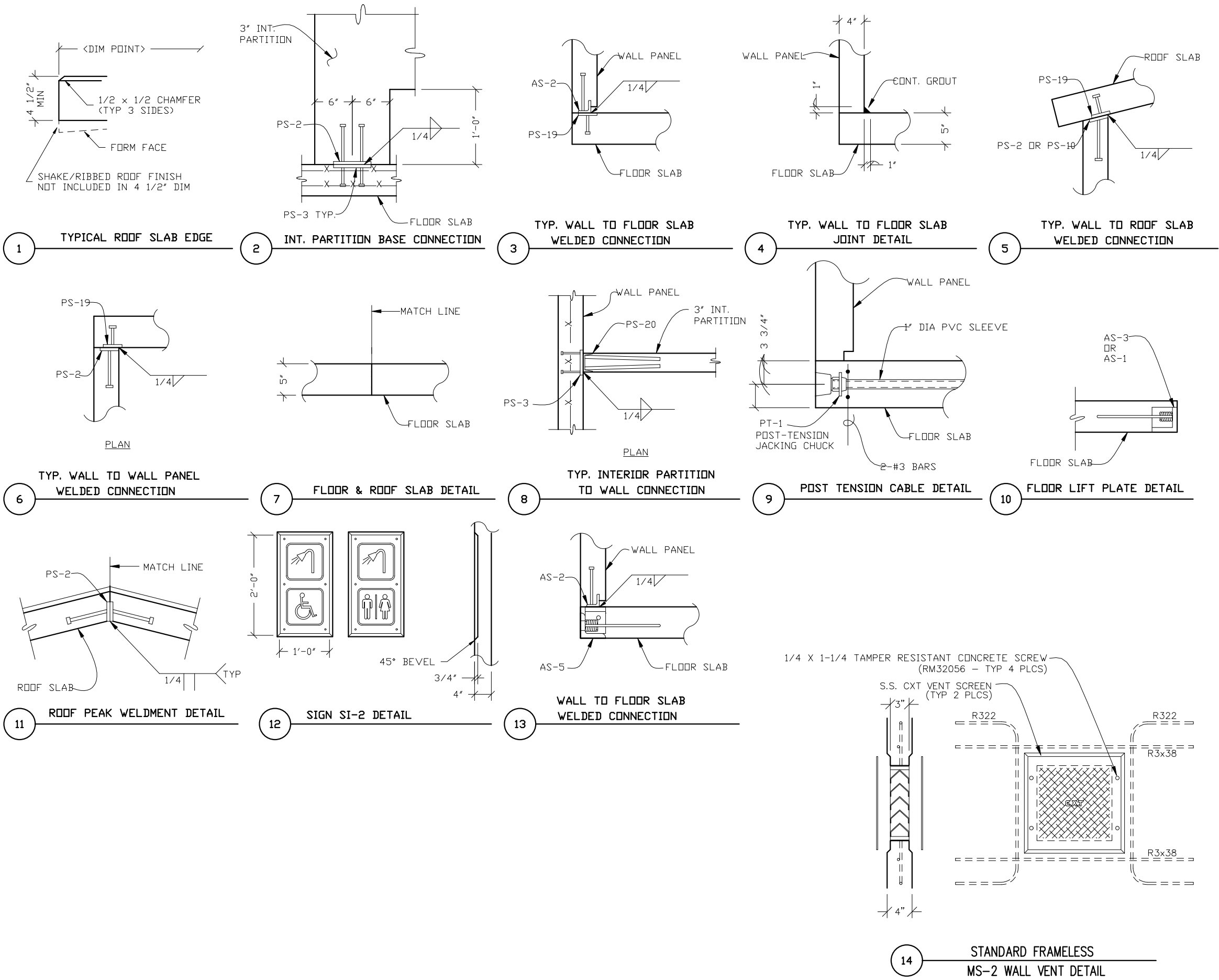
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CHECKED	FMS	PLOT	48

INTERIOR ELEVATIONS

DWG NO.	SHEET	REV.
S-07	7	47



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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/4"=1'-0"	DATE	03-10-21
DRAWN	FM5	FILE NO.	S-328
CHECKED	FM5	PLOT	16

DETAILS		
DWG NO.	SHEET	REV.
S-08	8	47

MARINE PACKAGE

EMBEDDED MATERIALS	
ITEM	QTY
AS-2	3
PS-10	2
PS-19	4
R303	2
PS-2	1
R3x116	8
R3x92	8
R320	8
R3x38	2
R322	2
MS-2 BLOCKOUT	1
MS-4 BLOCKOUT	1

[illegible]

MARINE GRADE PACKAGE REQUIRED		
CU. FT. CONC. 32.6 (1.21)	SQ. FT. W.W.F. 80	

APPROXIMATE WEIGHT	4,890
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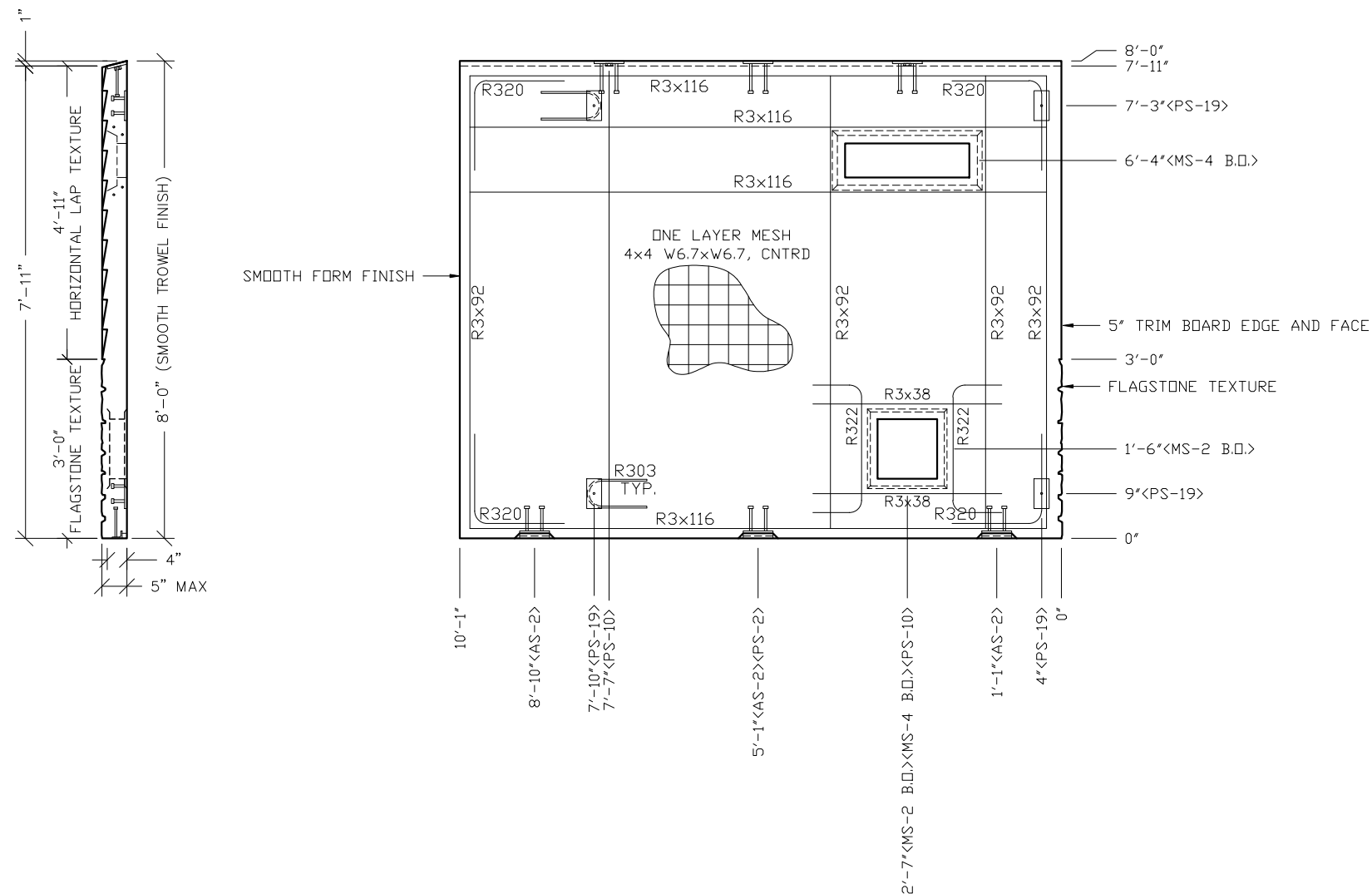
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	$3/8" = 1' - 0"$	DATE	03-10-21
DRAWN	FMS	FILE NO.	S-328
CHECKED	FMS	PLOT	32

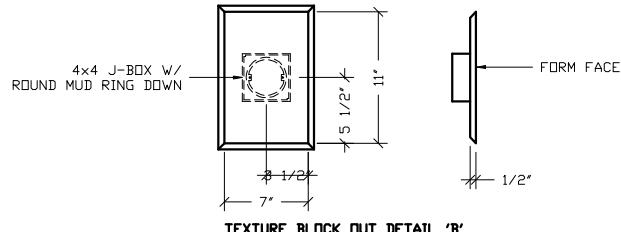
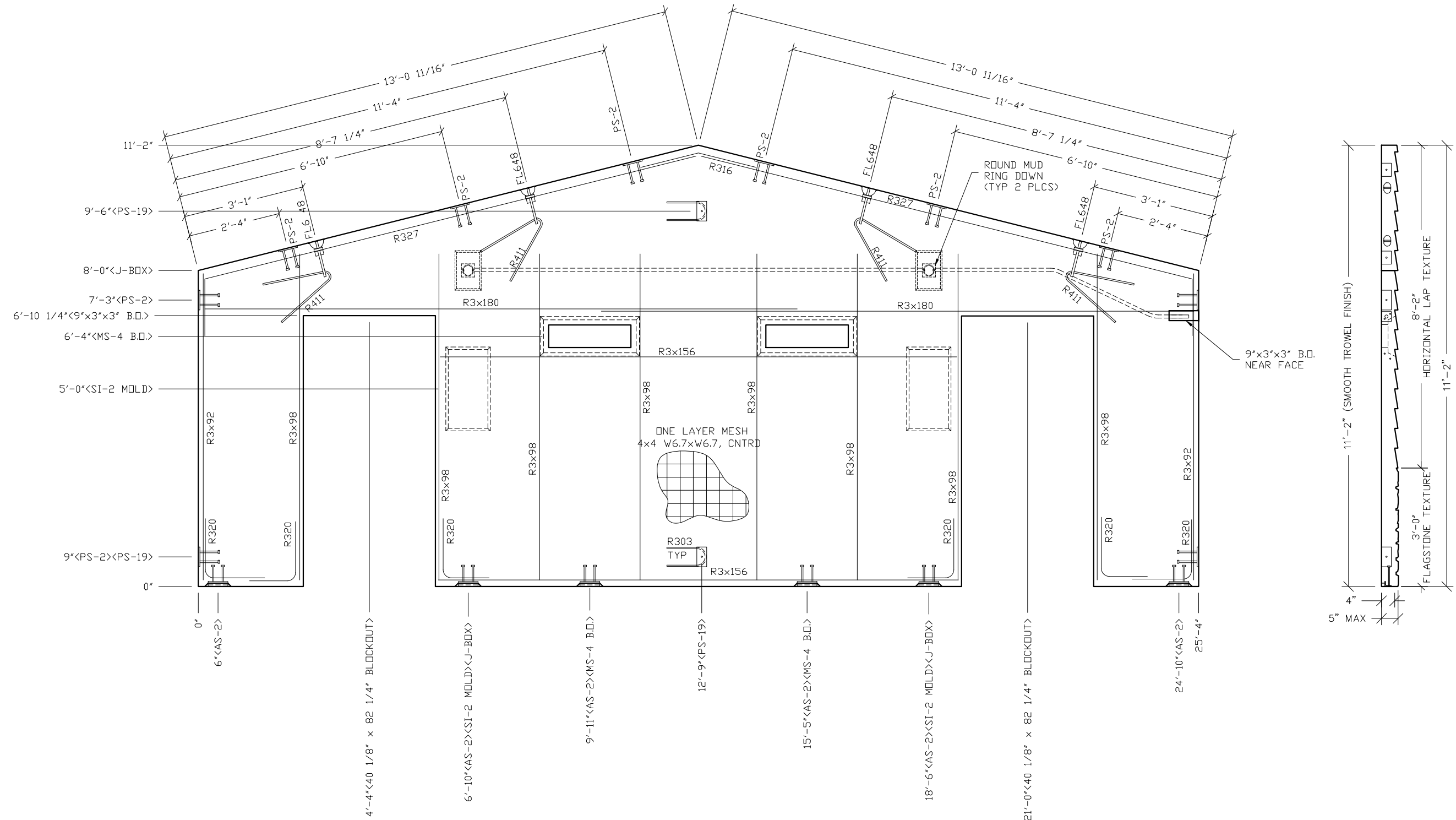
WALL PANEL
MARK W1

DWG NO. S-09	SHEET 9 47	REV.
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NOTES:

1. WALL THICKNESS = 4" +TEXTURE
2. EXCEPT R303, R322, & R3x38 REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
3. ALL OTHER BARS TO BE CENTERED IN PANEL.



- NOTES:
1. WALL THICKNESS = 4" +TEXTURE
 2. EXCEPT R303, R411, R327 & R316, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER

MARINE PACKAGE

EMBEDDED MATERIALS	
ITEM	QTY
AS-2	6
PS-2	10
FL648	4
R411	4
R320	12
PS-19	2
R303	2
R316	1
R327	2
SI-2 MOLD	2
40 1/8" x 82 1/4" BLOCKOUT	2
R3x92	4
R3x98	16
R3x156	4
R3x180	4
4x4 J-BOX	4
4 1/2" DIA BLOCKOUT	2
MS-4 BLOCKOUT	2
BLOCKOUT 9"x3"x3"	1
ROUND MUD RING	2
MARINE GRADE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
75.5 (2.80)	196
APPROXIMATE WEIGHT	
11,325	
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REV.	DESCRIPTION
SCALE	3/8"=1'-0"
DRAWN	FM5
CHECKED	FM5
DATE	03-10-21
FILE NO.	S-328
PLOT	32
WALL PANEL	
MARK W2	
DWG NO.	S-10
SHEET	10
REV.	47