

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

- WANTANA			
APPLICATION	FOR OSHPD PRE	APPROVAL OF	OFFICE USE ONLY
MANUFACTUI	RER'S CERTIFICAT	TON (OPM)	APPLICATION #: OPM-0637
OSHPD Preapprov	val of Manufacturer's Ce	ertification (OPM)	
Type: X New	Renewal/Update		
Manufacturer Info	rmation		
Manufacturer: mfPH	-ID		
Manufacturer's Tech	nical Representative: Jason	Keith	
Mailing Address: 383	31 Old Lorena Rd, Lorena, T	X 76655	
Telephone: (254) 71	5-4426	Email: jkeith@mfphd.com	
		EOR CODE COM	
Product Informati	on (1)	OSHPD	
Product Name: Fortr	ess Stainless Steel Wall Sys	tem	Z
Product Type: Wall	Finish	OPM-0637	CE
Product Model Numb	per: Fortress	BY: Mohammad Aliaari	
General Description:	facilities long term flexibility	y, cleanability and durability of th	ed, panelized wall finish that provides healthcare eir walls. The system itself is comprised of system attaches to traditional framing or an
Applicant Informa	tion	COD	<u>/</u>
• •		BUILDING	
Applicant Company N			
Contact Person: Bill	Summers		

Title: CA/NV Business Development

Telephone: () -

Mailing Address: 714C S State St., Ukiah, CA 95482

-₩**₩**



"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

Email: bsummers@mfphd.com



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations	
Company Name: KPFF	
Name: Aaron Reynolds California License Number: S4338	
Mailing Address: 700 South Flower Street, Suite 2100, Los Angeles, CA 90017	
Telephone: (213) 310-8478 Email: Aaron.Reynolds@kpff.com	
OSHPD Special Seismic Certification Preapproval (OSP)	
Special Seismic Certification is preapproved under OSP OSP Number:	
Contification Mathed	
Certification Method	
Testing in accordance with: CC-ES AC156 FM 1950-16	
Other(s) (Please Specify): STC Ratings, Surface Burning Characteristics of Building Materials per ASTM E84–15a,	
*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) for component supports	
and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2019 may be used when approved by OSHPD prior to testing.	
X Analysis BY: Mohammad Aliaari	
Experience Data DATE: 12/20/2021	
Combination of Testing, Analysis, and/or Experience Data (Please Specify):	
COS	
OSHPD Approval BUILDING	
Date: 12/20/2021	
Name: Mohammad Aliaari Title: Senior Structural Engineer	
Condition of Approval (if applicable):	

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NOTES:

- 1. THESE DRAWINGS ARE PREPARED FOR MODULAR FABRICATION PER HOSPITAL DESIGN (mfPHD), LORENA, TEXAS.
- 2. THE CONTRACTOR AND INPSECTOR OF RECORD SHALL OBTAIN A COPY OF THIS PRE-APPROVAL FROM THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT (OSHPD) PRE-APPROVAL PROGRAMS WEBSITE.
- 3. THIS PRE-APPROVAL COVERS THE SUPPORTS AND ATTACHMENTS OF THE FORTRESS STAINLESS STEEL METAL PANEL TO THE SUPPORTING STRUCTURE. THE FORTRESS STAINLESS STEEL METAL PANEL AND ATTACHMENT HARDWARE ARE SUPPLIED BY THE MANUFACTURER.
- 4. THIS PRE-APPROVAL MAY BE USED AT ANY GEOGRAPHICAL LOCATION IN THE STATE OF CALIFORNIA WHERE S_{DS} IS LESS THAN OR EQUAL TO 1.94 ($F_p = 1.4W_p$), AS NOTED IN THE DESIGN CRITERIA ON PG 2.
- 5. THE FORTRESS STAINLESS STEEL WALL SYSTEM IS FOR INTERIOR USE ONLY. THE FORTRESS STAINLESS STEEL WALL SYSTEM IS NOT SUBJECT TO EXTERIOR CONDITIONS OR APPLICATIONS WHERE THE STRUCTURE MAY BE CLASSIFIED AS AN OPEN STRUCTURE.
- 6. ARCHITECTURAL AND LIFE SAFETY CODE COMPLIANCES TO BE REVIEWED AT PROJECT SUBMITTAL. THE FORTRESS STAINLESS STEEL WALL SYSTEM IS INTENDED TO BE INSTALLED OVER A RATED ASSEMBLY WHERE OCCURS.



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GENERAL NOTES:

- 1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM MUST BE BASED ON THE CBC 2019.
- IT IS THE RESPONSIBLILITY OF THE STRUCTURAL ENGINEER OF RECORD (SEOR) FOR A SITE SPECIFIC PROJECT TO VERIFY:
 - A. THE ADEQUACY OF THE NEW OR EXISTING STRUCTURE TO RESIST THE FORCES AND WEIGHT SPECIFIED FOR EACH COMPONENT IN ADDITION TO ALL OTHER LOADS. PROVIDE AND DESIGN SUPPLEMENTARY MEMBERS AS REQUIRED.
 - B. THAT THE INSTALLATION IS IN CONFORMANCE WITH THE CBC 2019 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL.
 - C. THAT THE ACTUAL COMPONENT'S WEIGHT, CENTER OF GRAVITY (CG) LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, AND THE MATERIAL AND GAGE OF THE COMPONENT WHERE ATTACHMENTS ARE MADE, AGREE WITH THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.

DESIGN CRITERIA

- EARTHQUAKE DESIGN DATA:
 - MAPPED ACCELERATION PARAMETERS PER 2019 CBC SECTION 1613A.3.1:

SEISMIC IMPORTANCE FACTOR (Ip)

Sns

= 1.94 MAX

- RISK CATEGORY = IV
- LATERAL SYSTEM DESCRIPTION COMPONENTS = NON STRUCTURAL
- RESPONSE MODIFICATION FACTOR (Rp) = 2.5 / 2021
- COMPONENT AMPLIFICATION FACTOR $(a_p) = 1.0$
- z/h = 1.0

	BUILDING	
z/h		
1.00	ROOF	
0.80	5TH FLOOR	PROJECT LOCATION
0.60	4TH FLOOR	PROFESS I ONA
0.40	3RD FLOOR	DO REYNOGO
0.20	2ND FLOOR	64338 S EEE
0.00	1ST FLOOR	
		OF CALIFORNIA



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COLD-FORMED STEEL (LIGHT GAGE METAL FRAMING)

- ALL LIGHT GAGE METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 2210A OF THE CODE AND AISI "SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
- 2. ALL CALCULATED MEMBER PROPERTIES PER AISI SPECIFICATIONS ARE BASED ON THE FOLLOWING THICKNESS:

MINIMUM THICKNESS	REFERENCE GAGE	DESIGN THICKNESS
43 MIL	18 GA	0.0451"
54 MIL	16 GA	0.0566"

3. ALL LIGHT GAGE METAL FRAMING SHALL BE GALVANIZED AND SHALL CONFORM WITH FOLLOWING THICKNESS:

GALVANIZED BACKING PLATES:

16 (54) GAGE (MILS)

GALVANIZED END CLOSURES,
BRIDGING AND ACCESSORIES
16 (54) GAGE (MILS)

BY: Mohammad Aliaari

STAINLESS STEEL 316 WALL
PANELS 18 (43) GAGE (MILS)

ASTM A653 SQ, GR 50
(Fy = 50,000 PSI)

ASTM A653 SQ, GR 50
(Fy = 50,000 PSI)

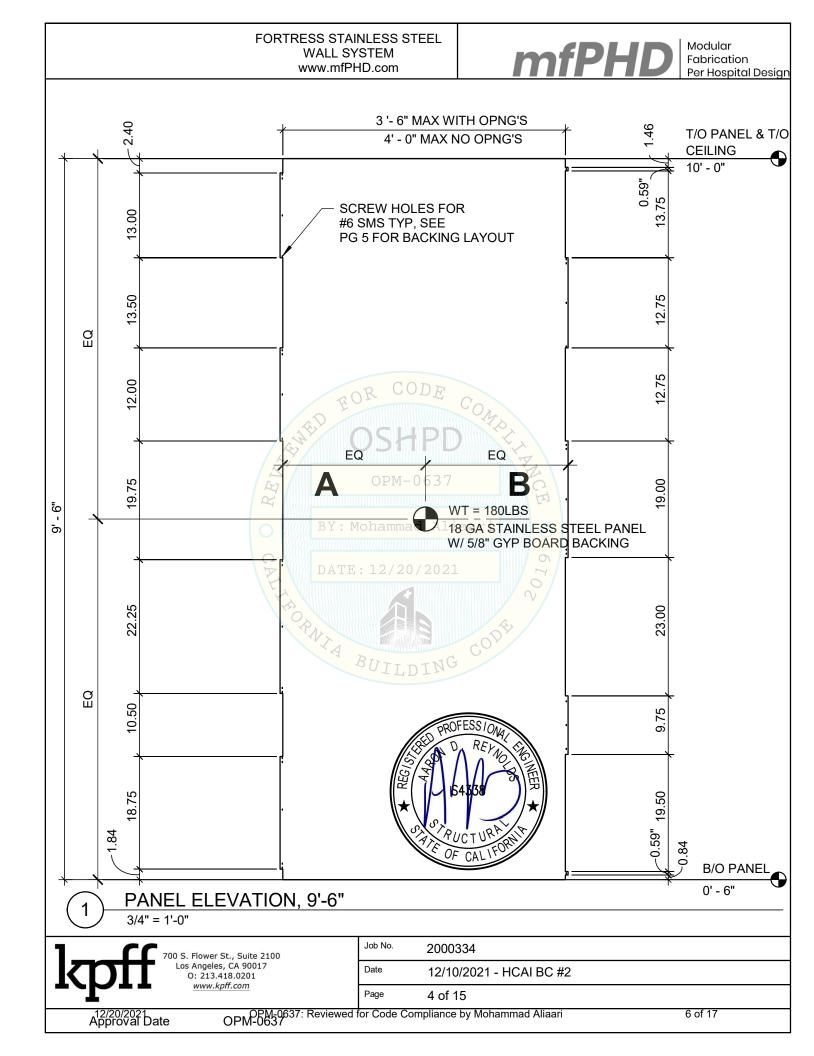
ASTM A240, ASTM A480
(Fy = 42,000 PSI)

- 4. SCREW THREADS SHALL TAP INTO AND SHALL ENGAGE THE ENTIRE THICKNESS OF ALL PIECES BEING JOINED, AND NOT LESS THAN THREE COMPLETE THREADS SHALL PENETRATE BEYOND THE METAL JOINED. SELF-DRILLING SCREWS MAY BE USED PROVIDED THE DRILL POINT IS SIZED SO DRILLING IS COMPLETED BEFORE THE LEAD THREADS OF THE SCREW BEGIN ENGAGING METAL. WHERE THE DRAWINGS CALL FOR A SCREW SIZE THAT DOES NOT HAVE A DRILL POINT OF SUFFICIENT LENGTH, INCREASE THE SCREW SIZE TO COMPLY WITH THESE REQUIREMENTS. PRE-DRILLED HOLE DIAMETERS SHALL NOT EXCEED THE DIAMETER OF THE DRILL POINT FOR ANY SELF DRILLING SCREWS PROPOSED. OVER-SIZED PRE-DRILLED HOLES ARE NOT PERMITTED.
- THE CONTRACTOR IS PROHIBITED FROM USING TORCHES TO BURN HOLES IN TRACKS OR STUD.

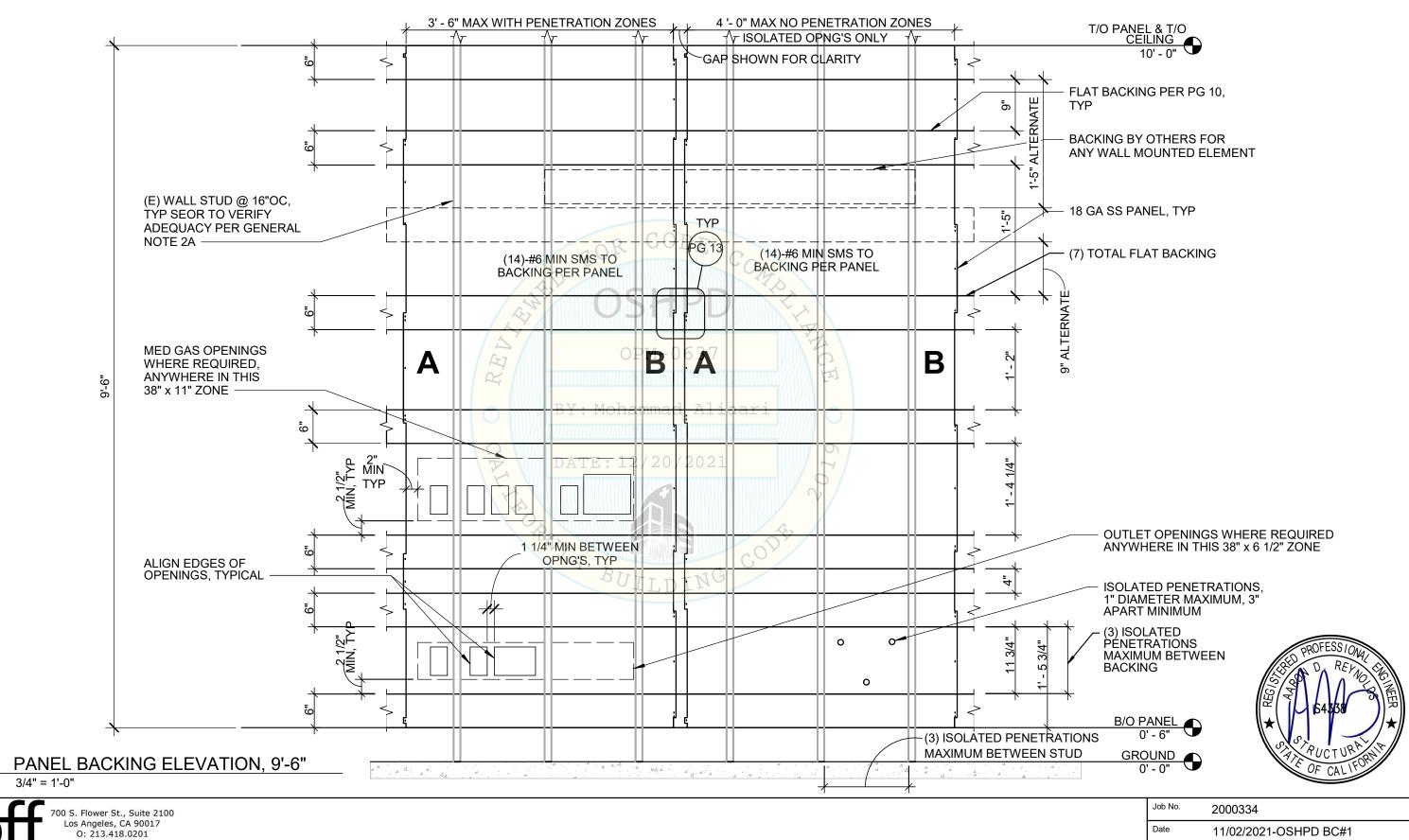
6. NO ELEMENT, COMPONENT, CABINET, OR SHELF SHALL BE SUPPORTED BY OR ATTACHED TO THE FORTRESS STAINLESS STEEL METAL PANEL. ELEMENTS MAY BE ATTACHED THROUGH THE STAINLESS STEEL METAL PANEL TO ADDITIONAL BACKING PROVIDED BY OTHERS AS NOTED ON THE FOLLOWING PAGES.



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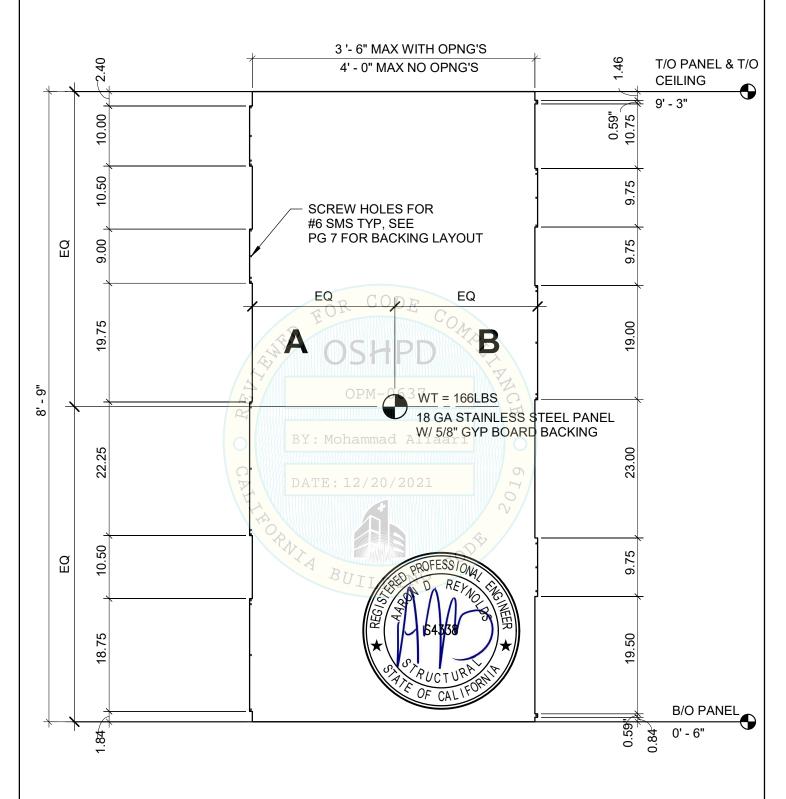
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PANEL ELEVATION, 8'-9"

3/4" = 1'-0"

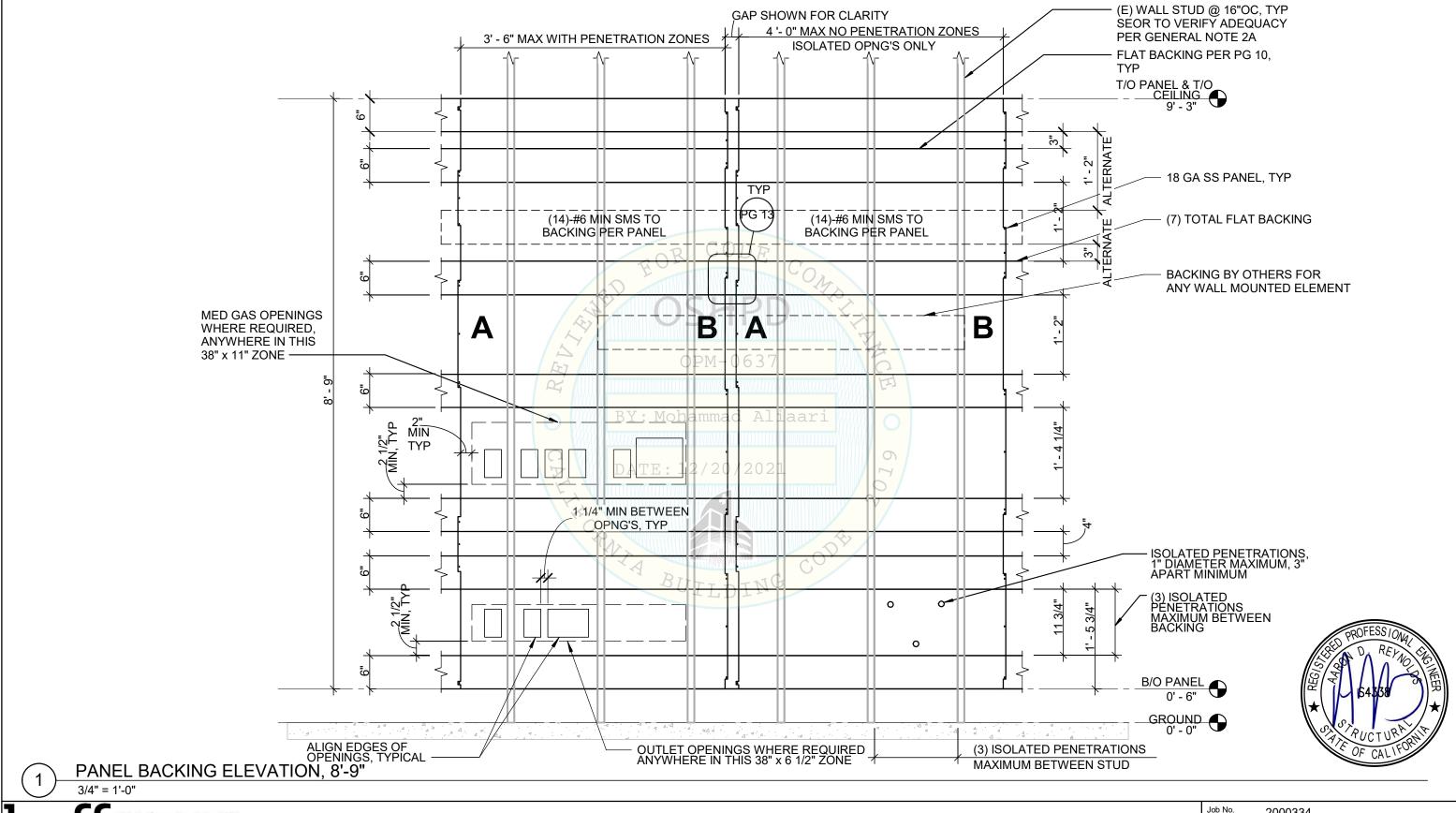


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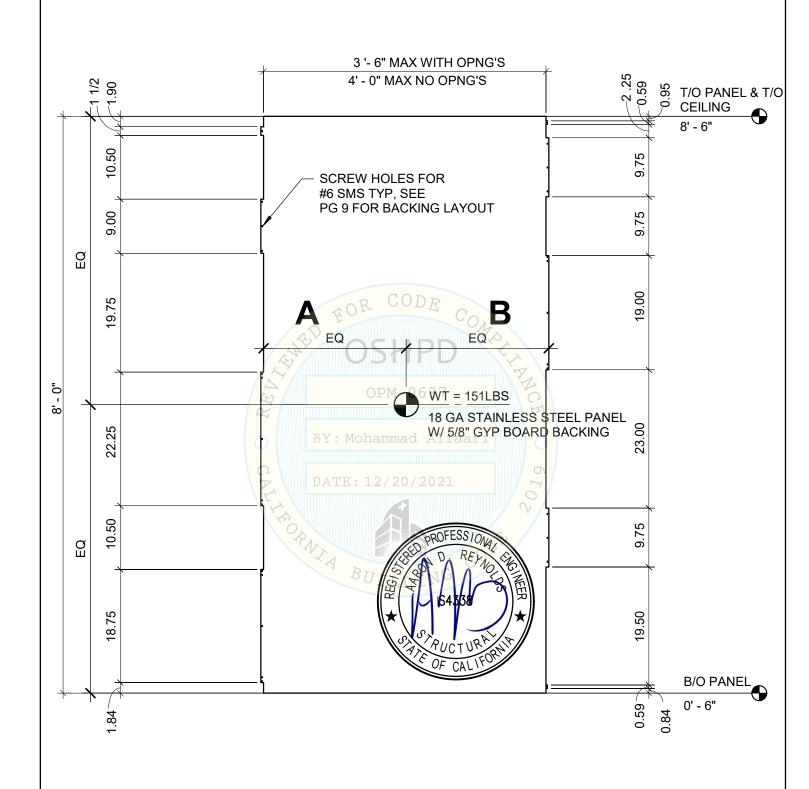
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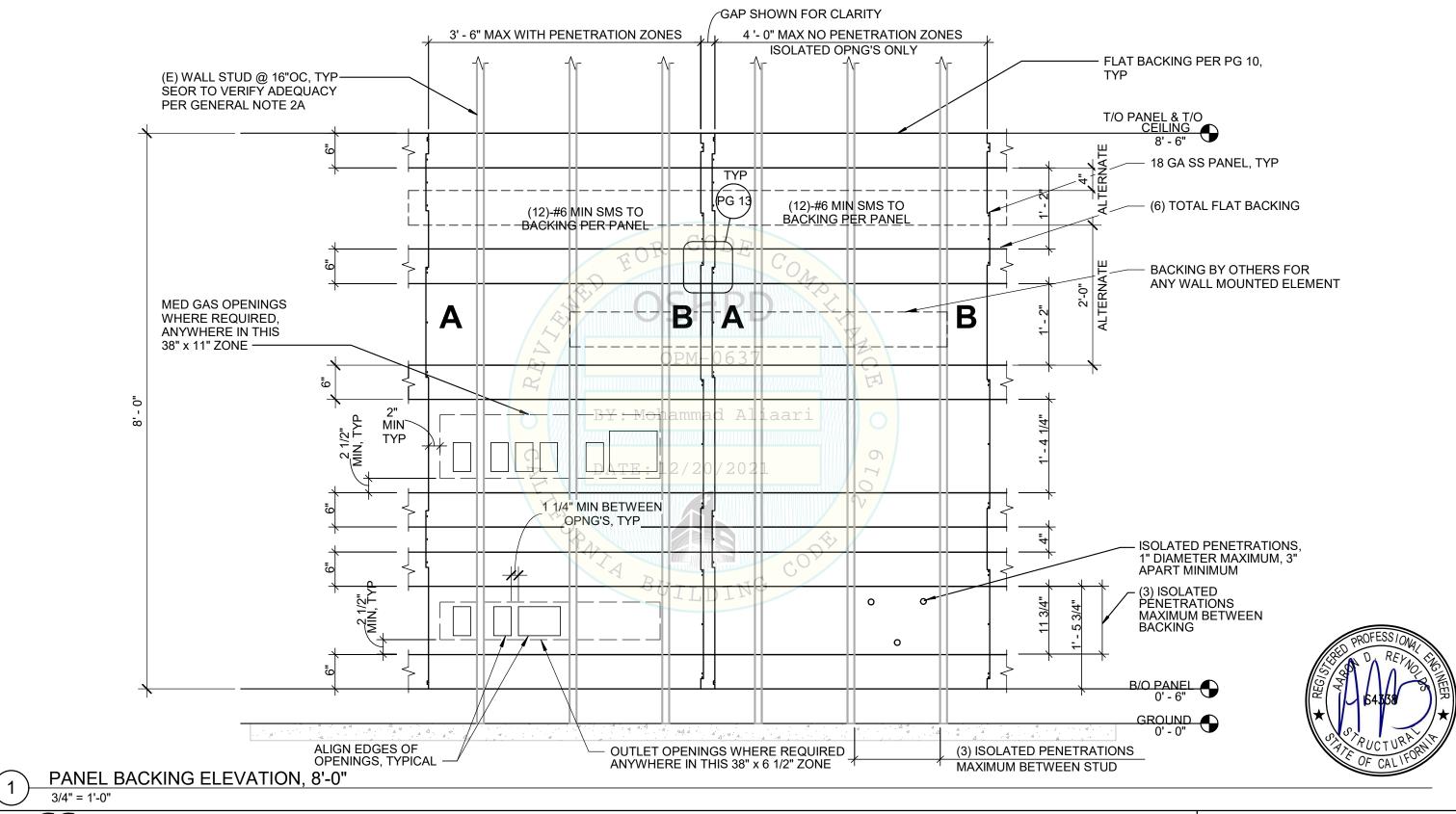
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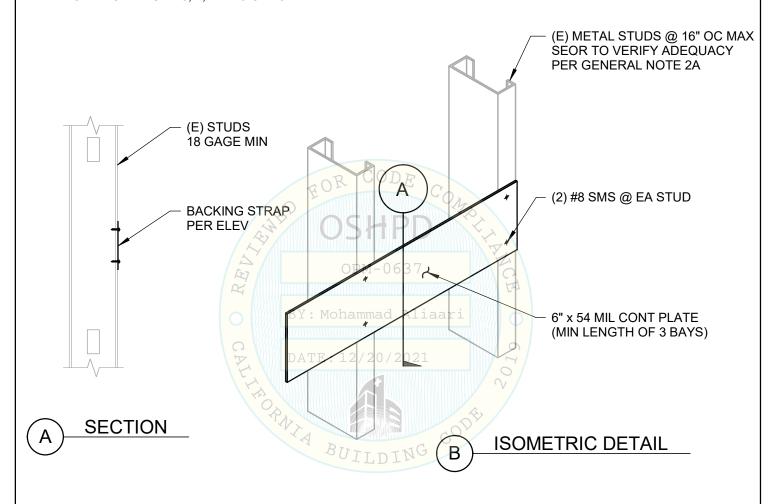
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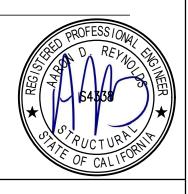
NOTE:

NO ELEMENT, COMPONENT, CABINET, OR SHELF SHALL BE SUPPORTED BY OR ATTACHED TO THE FORTRESS STAINLESS STEEL METAL PANEL BACKING. ELEMENTS MAY BE ATTACHED THROUGH THE STAINLESS STEEL METAL PANEL TO ADDITIONAL BACKING PROVIDED BY OTHERS AS NOTED ON PAGES 5. 7. AND 9 OF 15.



TYPICAL FLAT STRAP BACKING

1" = 1'-0"





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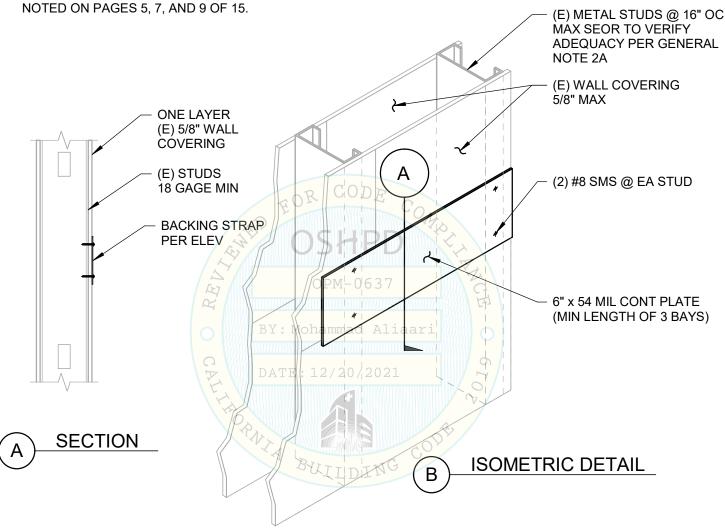
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TYPICAL FLAT STRAP BACKING OVER WALL COVERING

1" = 1'-0"





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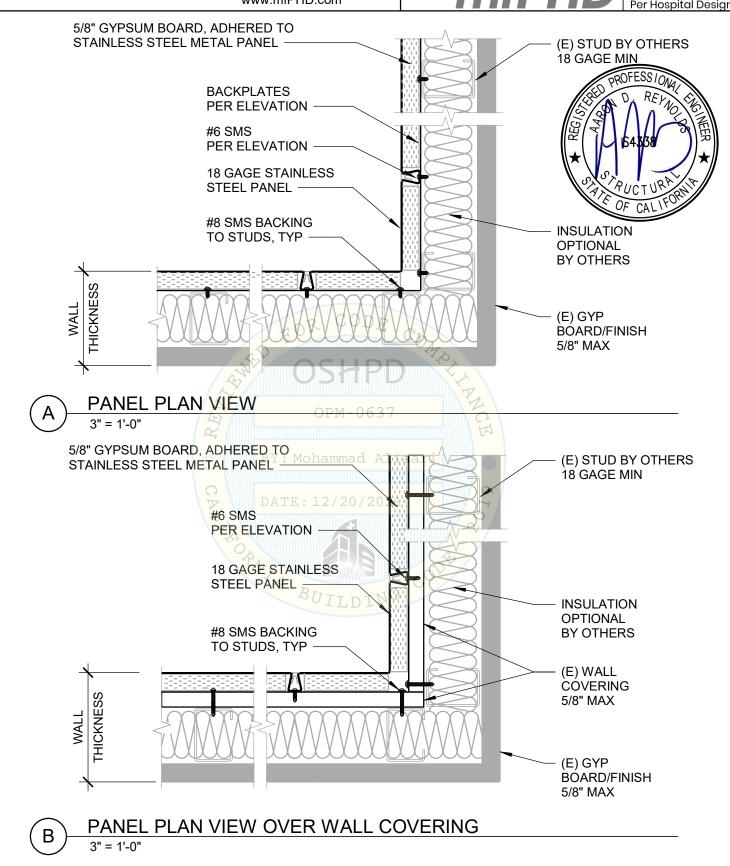
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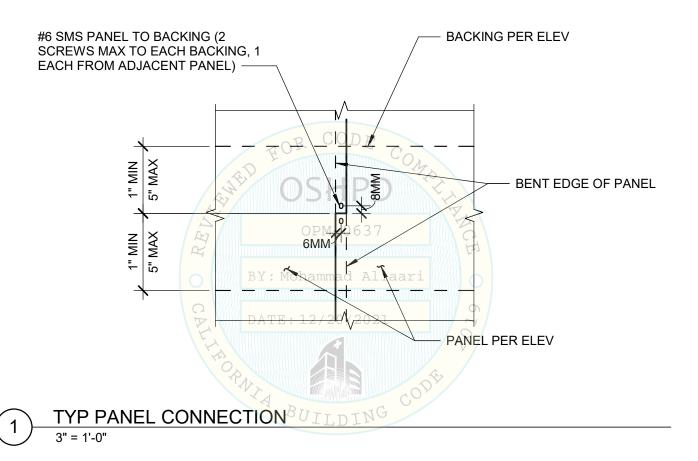






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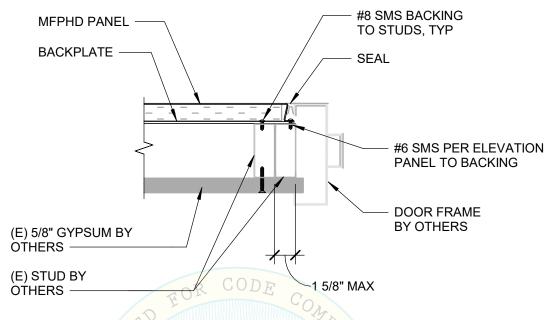


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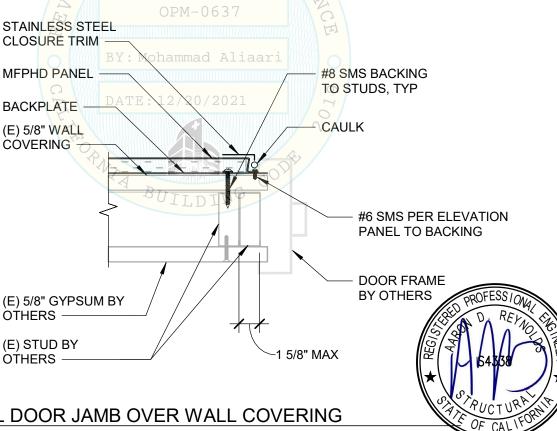
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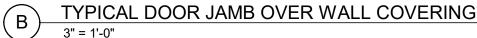
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TYPICAL DOOR JAMB 3" = 1'-0"





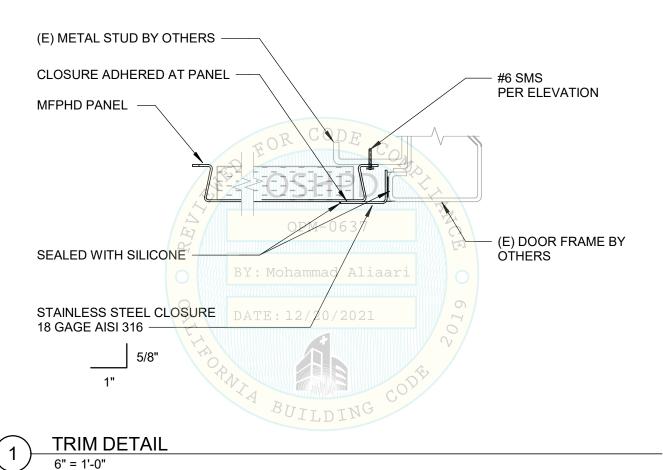


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