

2/26/2026 2:15 PM RICHARDNEE\shared\projects\25-25-84147 storm smart flood panels discovery phase\work\drawings & cad\fsa\25-84147c storm smart flood panels (fsa).dwg

NOTE: THE IMAGES SHOWN ON THIS SHEET ARE FOR REPRESENTATION PURPOSES ONLY. SEE REMAINING SHEETS FOR PRODUCT SPECIFICATIONS AND LIMITATIONS

SCOPE OF PRODUCT CERTIFICATION: THIS PRODUCT IS CLASSIFIED AS A "FLOOD BARRIER FOR OPENING BARRIER APPLICATIONS" ATTACHED TO THE BUILDING ENVELOPE STRUCTURE. THIS PRODUCT IS NOT DESIGNED/TESTED FOR FREESTANDING OR PERIMETER APPLICATIONS

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023). DESIGN SHALL UTILIZE ASD DESIGN METHOD USING ASCE 7-22 CODES FOR SITE SPECIFIC APPLICATIONS AS APPLICABLE.

1. THE EXISTING STONE STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADS IMPOSED BY THIS DESIGN AS VERIFIED BY THE ARCHITECT / ENGINEER OF RECORD. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS CONTAINED HEREIN.
2. SYSTEM SHALL BE AS NOTED HEREIN. ALL REFERENCES TO EXTRUSIONS & INSTALLATION SHALL CONFORM TO THAT OF MANUFACTURER'S SPECIFICATIONS AS SUMARIZED HEREIN.
3. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS FROM THIS PLAN.
4. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
5. ALL SMS TO BE 316 STAINLESS STEEL (Fu=100 KSI MIN.) AND ALL THRU BOLTS TO BE 304 STAINLESS STEEL MIN. (Fu=100 KSI MIN.). PROVIDE 3 PITCHES MIN. PAST THREAD PLANE.
6. ALL HOST CONCRETE SHALL BE 3000 PSI MIN COMPRESSIVE STRENGTH AND UNCRACKED. ALL HOST CMU SHALL BE ASTM C90 WITH 1.8 KSI MIN COMPRESSIVE STRENGTH.
7. ANCHOR EMBEDMENT AND MINIMUM EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER FINISHES. ANCHOR EMBEDMENTS AND MINIMUM EDGE DISTANCES PROVIDED HEREIN ARE INTO CONCRETE OR CMU.
8. THIS SYSTEM IS NOT DESIGNED FOR USE IN AREAS WITH BREAKING WAVES, BROKEN WAVES, OR FLOOD WATER VELOCITIES GREATER THAN 5 FT/S.
9. THIS SYSTEM HAS NOT BEEN TESTED FOR LARGE/SMALL MISSILE IMPACT AND IS APPROVED ONLY FOR STATIC WINDS ONLY.
10. THIS IS A NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THE CONTRACTOR OR PERMIT HOLDER SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.

DRAWING CONTENTS	
PAGE NO.	DESCRIPTION
1	COVER
2	DESIGN SCHED.
3	COMPONENTS
4	ASSEMBLY
5	MOUNTING DETAILS
6	MOUNTING DETAILS
7	CORNER MOUNT, ANCHOR SCHED & PARTS

2. THE CONTRACTOR IS RESPONSIBLE TO INSULATE MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.



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FLOOD SMART - FLOOD PANELS
FLORIDA BUILDING CODE

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NOTE: SEE PARTS LIST FOR COMPLETE LIST OF COMPONENTS NOT SHOWN ON THIS SHEET

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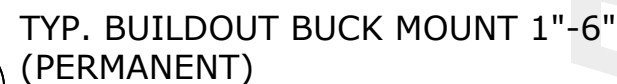
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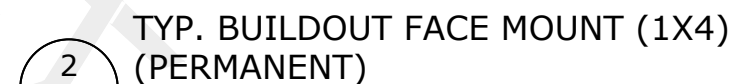
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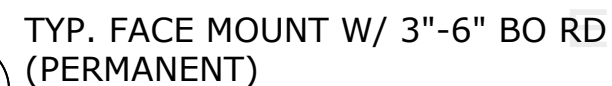
NOT TO SCALE SECTION VIEW


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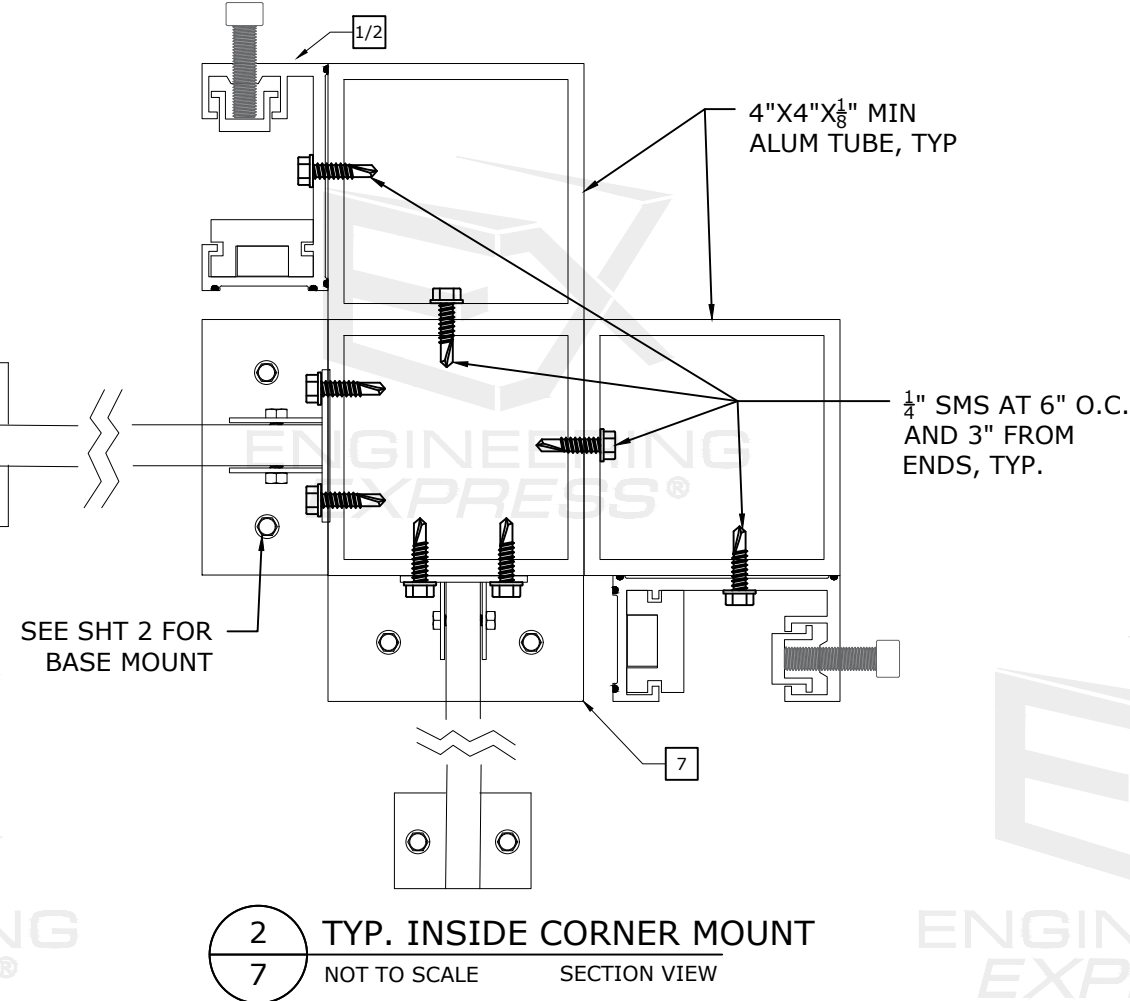
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**FLOOD SMART - FLOOD PANELS
FLORIDA BUILDING CODE**



MOUNTING TYPE	SUBSTRATE	ANCHOR TYPE	ANCHOR SPACING
REMOVABLE	3KSI CONC OR GROUT-FILLED CMU	1/4-20 HILLMAN GROUP (ALL-POINTS) SOLID-SET W/ 7/8" EMBED, 3" MIN EDGE DIST. OR 1/4-20 DEWALT PANELMATE INSERT (OR EQUIV). 1-5/8" EMBED, 2" MIN EDGE DIST	8" O.C., 3" MAX FROM ENDS
	WOOD (G=0.42 MIN)	1/4-20 DEWALT PANELMATE INSERT (OR EQUIV). 1-5/8" EMBED, 3/4" MIN EDGE DIST	6" O.C., 3" MAX FROM ENDS
PERMANENT	3KSI CONC OR GROUT-FILLED CMU	5/16" DEWALT ULTRACON (OR EQUIV). 2-1/2" EMBED, 2" MIN EDGE DIST	8" O.C., 3" MAX FROM ENDS
	WOOD (G=0.42 MIN)	5/16" DEWALT ULTRACON (OR EQUIV). 2-1/2" EMBED, 3/4" MIN EDGE DIST	6" O.C., 3" MAX FROM ENDS
	STEEL (16GA THICK MIN., Fy=36KSI MIN) OR ALUM (1/8" 6063-T5 MIN.)	1/4" MIN SMS OR UNC SCREW	6" O.C., 3" MAX FROM ENDS

PART NO.	DESCRIPTION	MATERIAL
1	LEFT TRACK	ALUM
2	RIGHT TRACK	ALUM
3	CENTER POST	ALUM
4	PLANK	ALUM
5	BRACE	SS
6	BRACKET	SS
7	ANGLE	SS
8	CAP	CAST ALUM
9	CAP	CAST ALUM
10	COMPRESSION PLATE	CAST ALUM
11	TRACK PRESSURE PLATE	ALUM
12	M10-30 SCREW	SS
13	M5 SCREW	SS
14	BACK GASKET RUBBER SEAL (*OPTIONAL DEPENDING ON FIELD CONDITIONS)	EDPM
15	H GASKET	EDPM
16	SQUARE GASKET	EDPM
17	CIRCULAR GASKET	EDPM
18	DUR 30 A BOTTOM GASKET	EDPM
19	M10-40 SCREW	SS
20	M10-30 SCREW	SS
21	UPPER PLANK BOTTOM GASKET	EDPM
22	BOTTOM PLANK BOTTOM GASKET	EDPM
23	PLANK CAP	INJECTION MOLDED PLASTIC
24	CONT. 1/4" THICK BUILDOUT R/T	6063-T5 ALUM MIN.
25	CONT. 1/4" THICK BUILDOUT R/T	6063-T5 ALUM MIN.
26	CONT. 1/8" THICK ANGLE	6063-T5 ALUM MIN.

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
2. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE FOR EACH ANCHOR.
3. ALL CONCRETE SUBSTRATE SHALL BE UN-CRACKED CONCRETE AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, U.N.O. CONCRETE SUBSTRATE THICKNESS SHALL BE GREATER THAN OR EQUAL TO 1.5xANCHOR EMBEDMENT.
4. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISHES.