

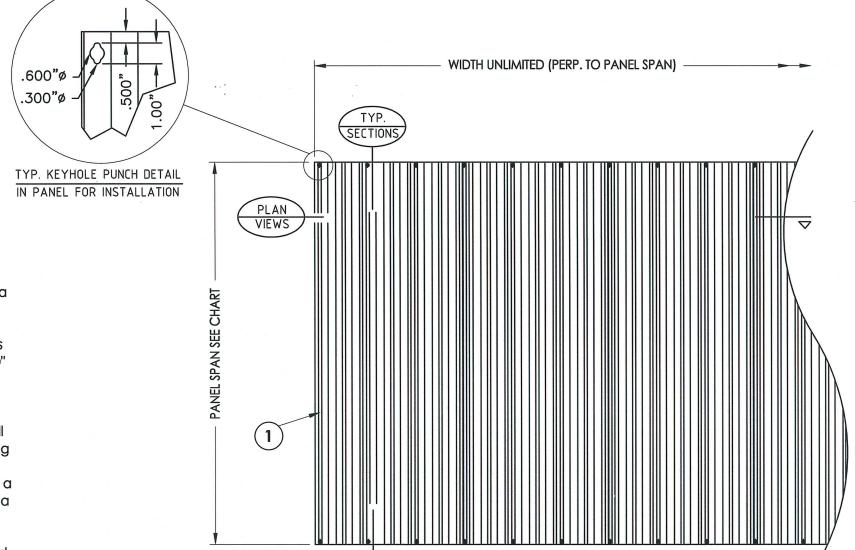
ASI BUILDING PRODUCTS
COROPORATE OFFICE, 4720 EAST ADAMO DRIVE
TAMPA, FL 33605

28 GAUGE GALV. STEEL STORM PANEL

DIRECT MOUNT

- 1. Steel storm panels shall be ASTM A653 CS-B, 0.18" thickness.
- 2. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996.
- 3. Product markings shall be rolled into each panel with spacing in between marking no greater than 36".
- 4. Positive and negative design pressures to be used with these drawings shall be determined by others for specific jobs in accordance with the governing code.
- 5. The system detailed herein is generic and does not provide information for a specific site. If site conditions deviate from the conditions detailed herein, a licensed engineer or registered architect shall prepare site specific documents to be used in conjunction with this document.
- 6. Permit holder shall verify the adequacy of the existing structure to withstand new superimposed loads.
- 7. All aluminum extrusions shall be 6063-T6 aluminum alloy, unless noted otherwise.
- 8. Top & bottom details shown may be interchanged as field conditions dictate. panels may be mounted horizontally where applicable.
- 9. All bolts & washers shall be zinc coated steel, galvanized steel or stainless steel.
- 10. Anchors shall be installed in accordance with anchor manufacturer's recommendations. Embedment lengths and edge distances shall be as recommended by the anchor manufacturer but in no instance shall they be less than as shown on these approved drawings. Embedment and edge distances shall not include stucco or other finishes.

TABLE OF CONTENTS					
SHEET #	DESCRIPTION				
1	Typical elevation, general notes & details				
2	Bill of materials & components				
3	Cross sections & corner details				
4	Anchoring schedule				





+60.0 -60.0

PANEL

SPAN

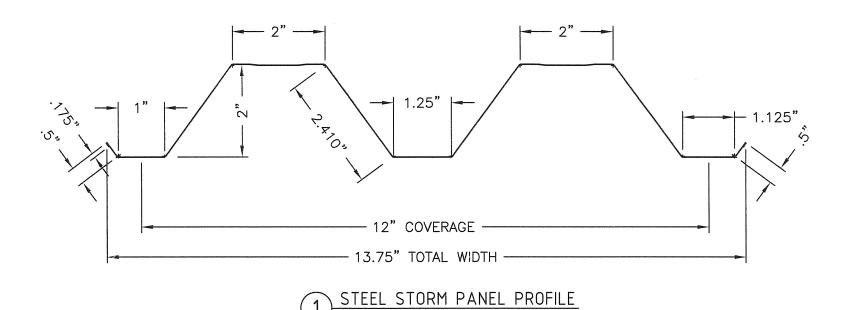
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12" - 53"

53" - 88"

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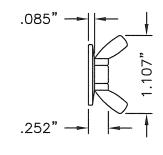
.061" MIN. THICKNESS

ITEM	DESCRIPTION	MATERIAL
1	STEEL STORM PANEL (28 GAUGE018" GALV. STEEL)	STEEL
2	KEYHOLE WASHER	ALUMINUM
3	WASHERED WINGNUT	STEEL

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9 1 1	12" ø.312
1.483"	
ø.625 _	1.10" -

KEYHOLE WASHER

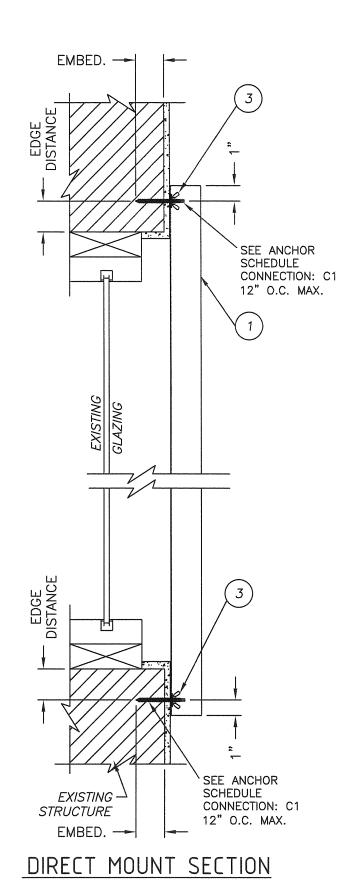


3 WING NUT

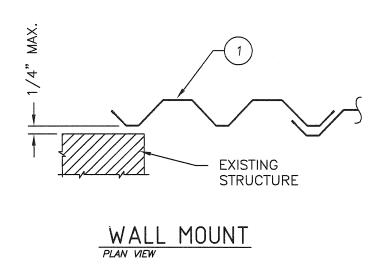
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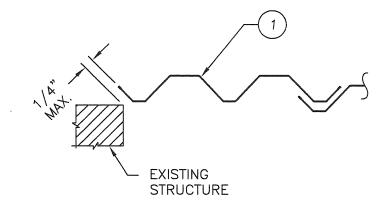
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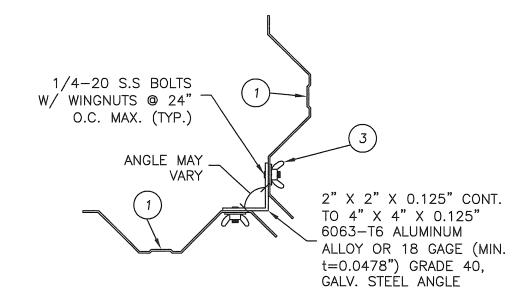


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FACE MOUNT



ALT CORNER DETAIL

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RM P.

	ANCHOR SCHEDU	_E	CONNECTION TYPE		
			C1		
	ANCHOR .	LOAD (psf)	Spans Up to 53"	Spans Up to 88"	
	Landing	60	12.0"	12.0"	
	EM = 1.75" CL = 3" (ITW) 4" (ELCO) ED = 2.5" (3000 psi MIN. CONC.)	80	12.0"		
	1/4" PANELMATE	60	12.0"	12.0"	
	(PLUS OR FEMALE) EM = 2" CL = 3" ED = 2.5" (3000 psi MIN. CONC.)	80	12.0"		
Ь1	1/4"ø iTW RED HEAD	60	12.0"	12.0"	
CONCRETE	DYNABOLT SLEEVE ANCHOR $EM = 1.125$ " $CL = 3$ " $ED = 1.5$ " (3000 psi MIN. CONC.)	80	12.0"		
00	1/4"ø POWERS CALK-IN & 1/4-20 SCREW EM = 0.875" CL = 3.0" ED = 3.75" (3000psi MIN. CONC.)	60	12.0"	12.0"	
		80	12.0"		
	1/4"ø POWERS STEEL DROP-IN & 1/4-20 SIDEWALK BOLT (3/4"⊕ HEAD) EM = 1.0" CL = 3.0" ED = 3.5" (3000psi MIN. CONC.)	60	12.0"	12.0"	
		80	12.0"		
	1/4" ALL POINTS SOLID—SET ANCHOR × 7/8" EMBED	60	12.0"	12.0"	
	EM = 0.875" CL = 3" ED = 2" (3,000 PSI MIN. CONC.)	80	12.0"		

	ANCHOR SCHEDU	_E	CONNECT	ION TYPE
			C	:1
	ANCHOR	LOAD (psf)	Spans Up to 53"	Spans Up to 88"
	Landing	60	12.0"	9.5"
	EM = 1.75" CL = 3" (/TW) 4" (ELCO) ED = 2.5"	80	12.0"	
	1/4" PANELMATE	60	12.0"	12.0
	(PLUS OR FEMALE) EM = 1.75" CL = 3" ED = 2.5"	80	12.0"	
HOLLOW BLOCK	1/4"ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR EM = 1.125" CL = 3" ED = 1.5" 1/4"ø POWERS CALK-IN & 1/4-20 SCREW EM = 0.875" CL = 3.0" ED = 3.75"	60	12.0"	12.0
MOTTO		80	12.0"	
HC		60	12.0"	9.5"
		80	12.0"	
	1/4" ALL POINTS SOLID-SET ANCHOR × 7/8" EMBED EM = 0.875"	60	12.0"	12.0
	EM = 0.875" CL = 3" ED = 2"	80	12.0"	

	ANCHOR SCHEDU	CONNECTION TYPE		
	ANCHOR	Spans Up to 53"	Spans Up to 88"	
	1/4" LAG SCREW	60	12.0"	12.0"
WOOD	EM = 2.0" CL = 2.1" ED = 0.75"	80	12.0"	
M	1/4" PANELMATE	60	12.0"	12.0"
	(PLUS OR FEMALE) EM = 2" CL = 3" ED = 2.5"		12.0"	

NOTES:

- 1. THE DESIGN PRESSURES AND SPANS LISTED IN THE ANCHOR SCHEDULE TABLES ARE FOR DETERMINING ANCHOR SPACING ONLY; SEE SHEET 1 FOR THE DESIGN PRESSURE RATING AT VARIOUS SPANS FOR THE STORM PANELS.
- 2. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- 3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURERS' RECOMMENDATIONS.
- 4. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD.
- 5. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2X4 (MIN) WOOD STUDS. WOOD STUDS SHALL BE "SOUTHERN PINE" SG=0.55 OR GREATER DENSITY).
- 6. MACHINE SCREWS SHALL HAVE MINIMUM OF ½" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
- 7. MASONRY 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90

ED = MINIMUM EDGE DISTANCE.

CL = MINIMUM SPACING OF ANCHOR CENTERLINE TO CENTERLINE.

EM = MINIMUM EMBEDMENT OF ANCHOR INTO STRUCTURAL SUBSTRATE.

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