

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE INCLUDING (HVHZ) HIGH VELOCITY HURRICANE ZONE.
2. THE DESIGN BASIS FOR THE PRODUCT SHOWN HEREIN IS DERIVED FROM TEST REPORT CTLA-1570W, DATED 9/11/06.
3. PANELS SHALL BE FASTENED ACCORDING TO FASTENER MANUFACTURER'S INSTALLATION SPECIFICATIONS AND AS SHOWN HEREIN.
4. PANEL FRAME MATERIAL: POLYCARBONATE (5/8").
5. MAXIMUM PANEL SIZE: 48" X 96".
6. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE.
7. DETAIL A AND DETAIL B DEPICT TYPICAL CONCRETE / MASONRY AND WOOD ANCHORAGE CONNECTIONS, RESPECTIVELY THESE DETAILS MAY BE USED INTERCHANGEABLY AS FIELD CONDITIONS DICTATE.
8. DETAIL D AND DETAIL C DEPICT TYPICAL CONCRETE / MASONRY AND WOOD ANCHORAGE CONNECTIONS, RESPECTIVELY. THESE DETAILS MAY BE USED INTERCHANGEABLY AS FIELD CONDITIONS DICTATE.
9. MINIMUM REQUIRED SEPARATION 2 3/4" BETWEEN PRODUCT AND EXISTING GLASS.
10. CONCRETE / MASONRY OPENING AND 2X BUCKS ARE TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. CONCRETE / MASONRY OPENING AND 2X BUCKS ARE THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
11. PRODUCTS SHOWN HEREIN ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED.
12. SEE DESIGN PRESSURE RATINGS ON THIS SHEET.
13. ALL INSTALLATION FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING. WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE, INSTALLATION FASTENERS MUST MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHERE APPLICABLE.
- 13.1. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.

INSTALLATION NOTES:

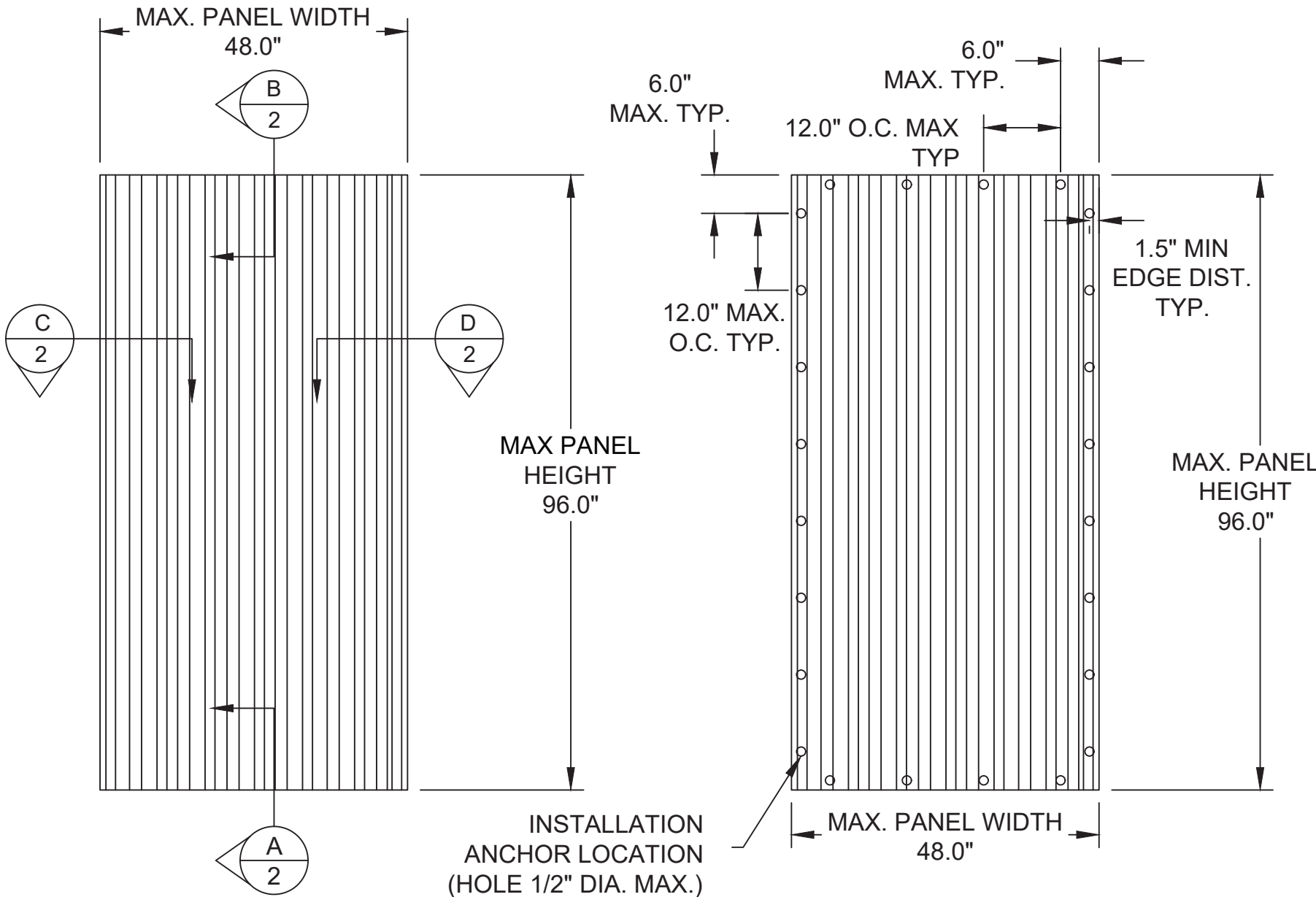
1. ONE (1) ANCHOR IS REQUIRED AT EACH INSTALLATION ANCHOR LOCATION SHOWN.
2. SPACE INSTALLATION ANCHORS 6" FROM EACH CORNER AND 12" O.C. MAXIMUM.
3. MINIMUM ANCHOR SPACING OF 6".
4. FOR CONCRETE / MASONRY INSTALLATION USE 1/4" ELCO PANELMATE OR ITW TAPCON SG W/ WASHERED WING NUTS WITH 1/4" x 2" O.D. STEEL FLAT WASHER AND 1/4" x 1 1/2" O.D. RUBBER FLAT WASHER. MINIMUM EMBEDMENT AND EDGE DISTANCE AS SHOWN IN TABLE ON SHEET 3.
5. FOR WOOD FRAMING INSTALLATION USE 1/4" ELCO PANELMATE OR ITW TAPCON STORM GUARD (SG) W/ WASHERED WING NUTS, 1/4" x 2" O.D. STEEL FLAT WASHER AND 1/4" x 1 1/2" O.D. RUBBER FLAT WASHER. MINIMUM EMBEDMENT AND EDGE DISTANCE AS SHOWN IN TABLE ON SHEET 3.

STORM DEPOT OF AMERICA, INC

DBA STORM BUSTERS

16MM CLEARVIEW POLYCARBONTE STORM PANELS FOR HVHZ

INSTALLATION ANCHORAGE DETAILS



48" X 96" PANEL

EXTERIOR ELEVATION

48" x 96" PANEL

ANCHOR LAYOUT

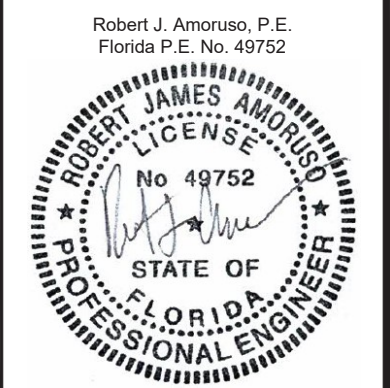
PERFORMANCE RATING TABLE	
DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+/-50 PSF	HVHZ LARGE MISSILE IMPACT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	ELEVATIONS, ANCHOR LAYOUT, & NOTES
2	CROSS SECTIONS & DETAILS
3	BILL OF MATERIALS & COMPONENTS

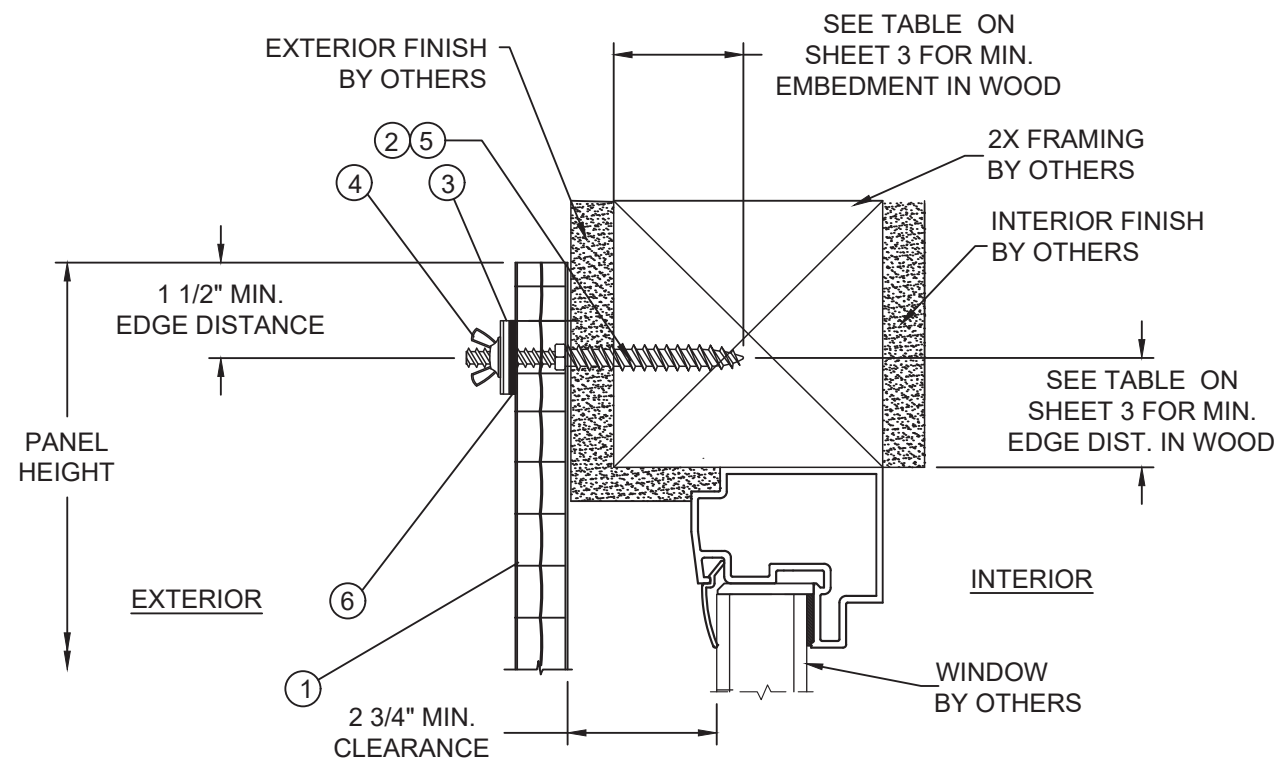
This item has been electronically signed and sealed by Robert J. Amoruso on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

PROJECT NUMBER: ACE-2026-123				RJA		
		UPDATE TO 9TH EDITION (2026) FBC	D	9/6/26		
		UPDATE TO CURRENT EDITION OF THE FBC	C	10/1/15		
		UPDATE TO 2007 AND 2010 FBC	B	08/21/12	TJH	
		AS REQUESTED BY MIAMI DADE	A	8/28/07	JJ	
		DESCRIPTION	REV		DATE	BY

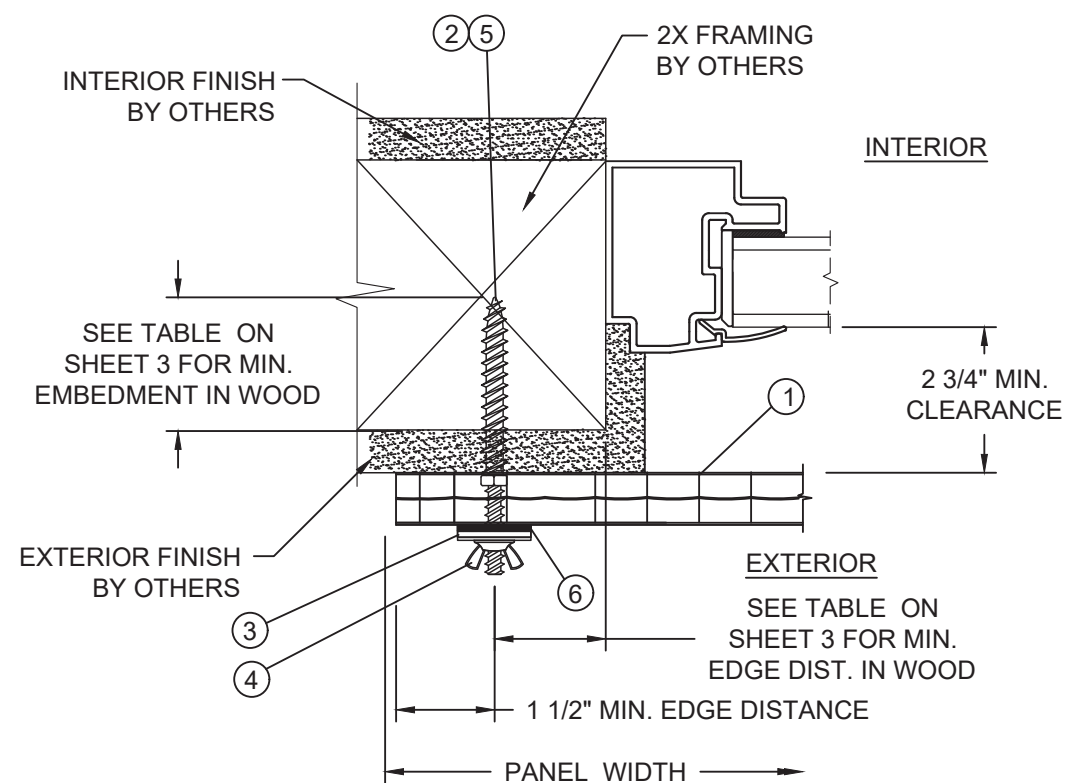
STORM DEPOT OF AMERICA, INC. dba STORM BUSTERS		4301 WOODLAND PARK DRIVE #104	
WEST MELBOURNE, FL 32904		TITLE: CLEARVIEW POLYCARBONATE STORM PANEL	
ELEVATIONS, ANCHORING LAYOUT & NOTES		DATE: 3/08/2007	
AMORUSO CONSULTING ENG., LLC		DRAWING NO: STB0013	
FBPE REGISTRATION NO. 38327		SHEET: 1 OF 3	
226 N NOVA RD, NO. 142		REV: D	
ORMOND BEACH, FL 32174		RJAENGPE@GMAIL.COM	



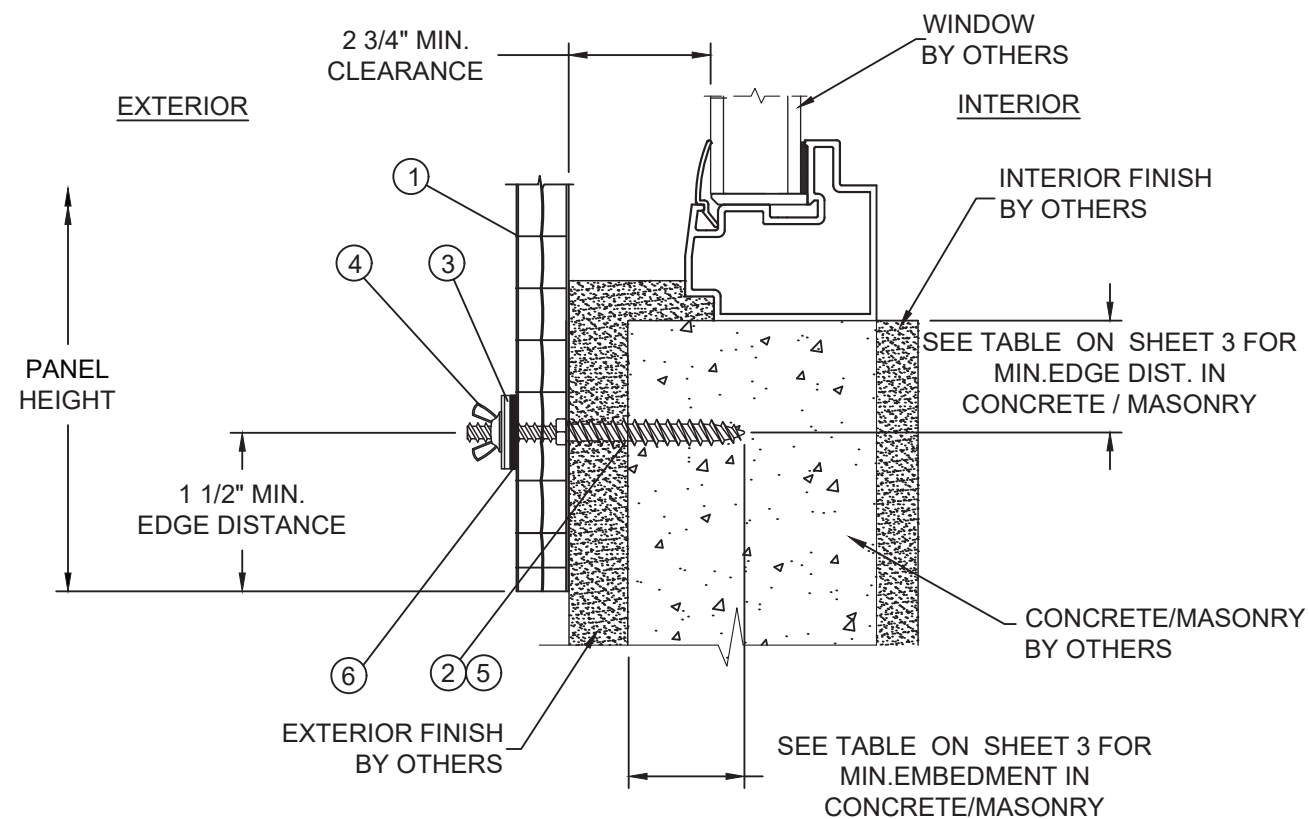
Digitally signed by Robert J Amoruso
Date: 2026.09.24 11:29:51 -04'00'



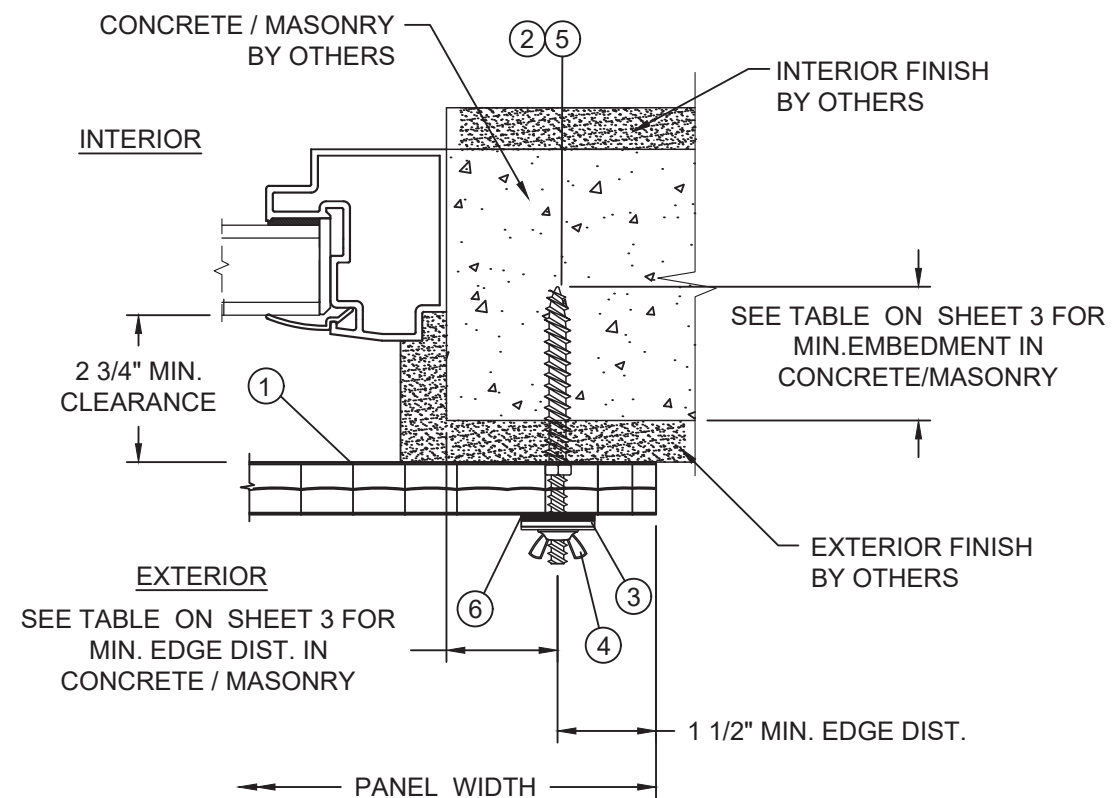
B
2
VERTICAL SECTION
WOOD FRAMING SUBSTRATE



C
2
HORIZONTAL SECTION
WOOD FRAMING SUBSTRATE



A
2
VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE

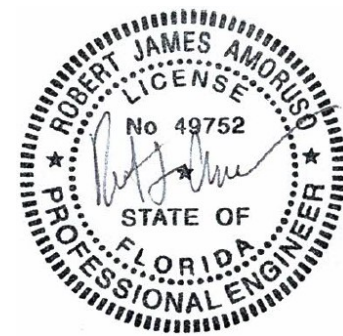


D
2
HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE

PROJECT NUMBER: ACE-2026-123

STORM DEPOT OF AMERICA, INC. dba STORM BUSTERS
4301 WOODLAND PARK DRIVE #104
WEST MELBOURNE, FL 32904

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J
Amoruso
Date: 2026.09.24
11:30:05 -04'00'

REV	DESCRIPTION	DATE	BY
D	UPDATE TO 9TH EDITION (2026) FBC	9/6/26	RJA
C	UPDATE TO CURRENT EDITION OF THE FBC	10/1/15	RJA
C	UPDATE TO 2007 AND 2010 FBC	08/21/12	TJH
A	AS REQUESTED BY MIAMI DADE	8/28/07	JJ

TITLE	CROSS SECTIONS & DETAILS	DATE	3/08/2007
AMORUSO CONSULTING ENG., LLC	DRAWN BY: HFN	DATE:	3/08/2007
FBPE REGISTRATION NO. 38327	SCALE: N.T.S.	DRAWING NO:	STB0013
226 N NOVA RD, NO. 142	REV: D	SHEET:	2 OF 3
ORMOND BEACH, FL 32174			
RJAENGPE@GMAIL.COM			

INSTALLATION ANCHOR
TABLE OF MINIMUM EMBEDMENTS AND EDGE DISTANCES

		¼" ITW TAPCON STORM GUARD (SG)			¼" ELCO MALE PANELMATE PRO		
		SUBSTRATE STRENGTH	EMBEDMENT DEPTH (IN)	EDGE DISTANCE (IN)	SUBSTRATE STRENGTH	EMBEDMENT DEPTH (IN)	EDGE DISTANCE (IN)
Substrate	CONCRETE	2500 PSI	1	1 1/4	2500 PSI	2	1
	HOLLOW BLOCK	ASTM C90, MEDIUM WEIGHT DENSITY	1 1/4	1 1/4	2500 PSI	1 1/4	2
	GROUT FILLED BLOCK	ASTM C90, MEDIUM WEIGHT DENSITY W/O GROUT FILLING PER FBC	1 3/4	1 1/4	2500 PSI	1 1/4	2
	WOOD	0.55 S.G.	1 1/2	3/4	0.54 S.G.	1 7/8	3/4

- NOTES:
- 1. TABLE VALUES CORRESPOND TO MANUFACTURER’S PUBLISHED DATA FOR 1/4 INCH ANCHORS.
 - 2. TABLE VALUES INDICATE MINIMUM EMBEDMENT AND EDGE DISTANCE.
 - 3. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK DO NOT INSTALL ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
 - 4. TABLE VALUES CORRESPOND TO THE MINIMUM EMBEDMENTS AND EDGE DISTANCES PER SUBSTRATE.
 - 5. USE OF THESE EMBEDMENT DEPTHS AND EDGE DISTANCES WITH THE CORRESPONDING ANCHOR TYPE PROVIDES ANCHOR CAPACITIES ADEQUATE FOR THE APPLIED DESIGN PRESSURE INDICATED HEREIN.

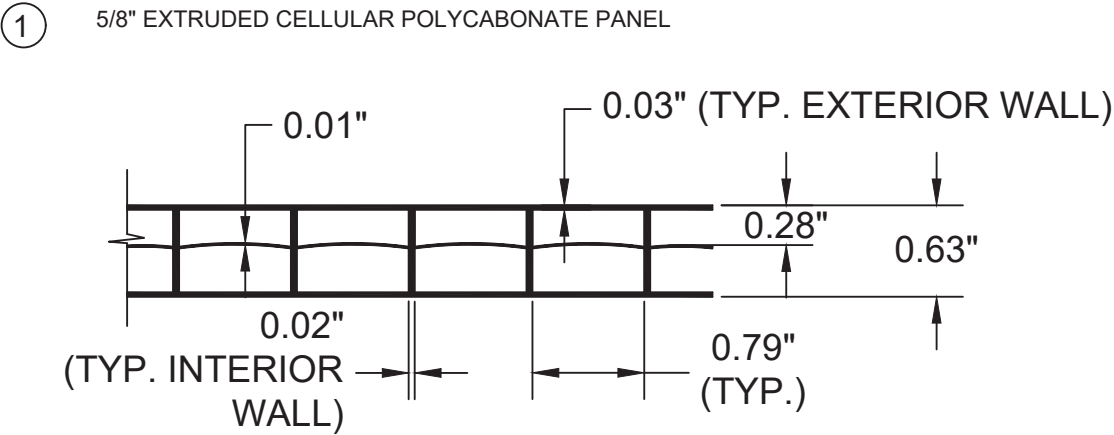
CLEARVIEW PRODUCT PROPERTIES

(REFERENCE 1: ARCHITECTURAL TESTING REPORT NO. 67803.1-106-18, DATED 11/28/06)
(REFERENCE 2: PRI CONSTRUCTION MATERIALS TEST REPORT NO. BML-001-02-01, DATED 7/23/07)

TEST DESCRIPTION	TEST METHOD	RESULTS	
SELF IGNITION TEMPERATURE	ASTM D1929-96	>500°C (982°F)	
FLASH IGNITION TEMPERATURE	ASTM D1929-96	459°C (858°F)	
SMOKE DENSITY RATING	ASTM D2843-99	53.1	
LINEAR RATE OF BURN	ASTM D635-03	CC1	
TENSILE STRENGTH (MEAN)	ASTM D638-03	8730 PSI	9223 PSI
		BEFORE	AFTER

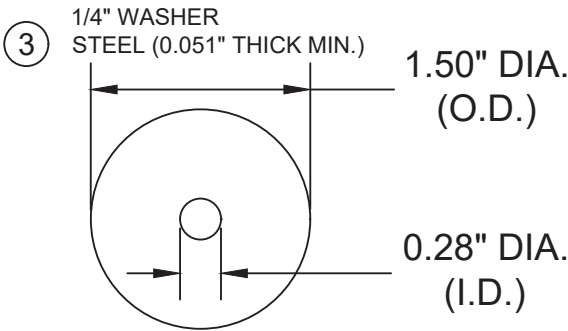
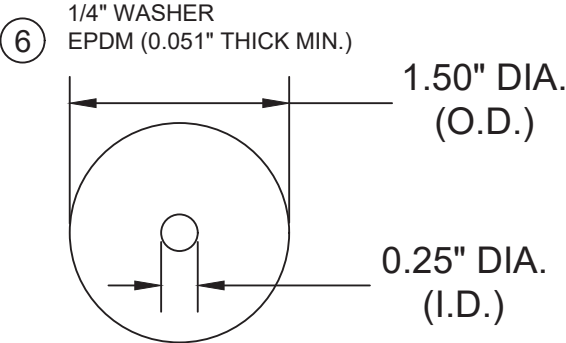
* THE CHANGE IN THE AVERAGE TENSILE STRESS OF THIS MATERIAL BETWEEN THE UNEXPOSED AND 4500 HOUR ASTM G 26 WEATHEROMETER EXPOSED SAMPLES WAS 5.6 PERCENT.

BILL OF MATERIALS				
ITEM #	PART #	DESCRIPTION	MATERIAL	VENDOR
1	----	STORM-BUSTERS CLEARVIEW 16MM (5/8") POLYCARBONATE STORM PANEL	MARLON ST LONGLIFE MULTIWALL POLYCARBONATE SHEET	BRETT MARTIN LTD.
2	----	1/4" PANELMATE MALE FASTENER	STEEL	ELCO
3	----	1/4" STEEL WASHER	STEEL	----
4	----	1/4-20 ZAMAC NICKEL PLATED WASHERED WINGNUT	STEEL	----
5	----	1/4" TAPCON STORM GUARD (SG)	STEEL	ITW BUILDDEX
6	----	1/4" EPDM WASHER	EPDM RUBBER	----



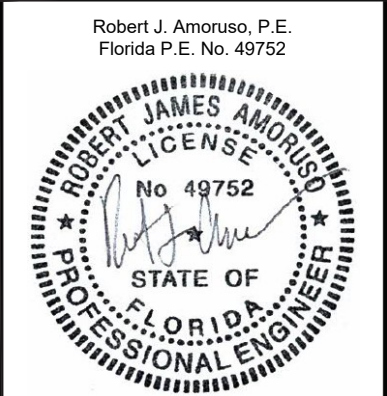
- ② 1/4" PANELMATE PRO MALE FASTENER (ELCO)
- ⑤ 1/4" TAPCON SG (ITW BUILDDEX)
-

- ④ 1/4-20 ZAMAC NICKEL PLATED WASHERED WINGNUT
-



PROJECT NUMBER: ACE-2026-123			RJA	RJA	TJH	JJ	BY
		9/6/26	10/1/15	08/21/12	8/28/07		DATE
	UPDATE TO 9TH EDITION (2026) FBC						
D	UPDATE TO CURRENT EDITION OF THE FBC	C					
	UPDATE TO 2007 AND 2010 FBC	B					
	AS REQUESTED BY MIAMI DADE	A					
	DESCRIPTION	REV					

STORM DEPOT OF AMERICA, INC. dba STORM BUSTERS		4301 WOODLAND PARK DRIVE #104		WEST MELBOURNE, FL 32904	
TITLE: CLEARVIEW POLYCARBONATE STORM PANEL		BILL OF MATERIALS & COMPONENTS		DATE: 3/08/2007	
DRAWN BY: HIFN		SCALE: N.T.S.		DRAWING NO: STB0013	
AMORUSO CONSULTING ENG., LLC		REV: D		SHEET: 3 OF 3	
FBPE REGISTRATION NO. 38327		226 N NOVA RD, NO. 142		ORMOND BEACH, FL 32174	
RJAEANGPE@GMAIL.COM					



Digitally signed
by Robert J
Amoruso
Date: 2026.09.24
11:30:16 -04'00'