

EFCO CORPORATION
SERIES 811I FIXED WINDOW
FBC PRODUCT APPROVAL DRAWINGS

GENERAL NOTES:

1. THE PRODUCT HEREIN CONFORMS TO THE REQUIREMENTS FOR THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). TESTING WAS CONDUCTED TO THE FOLLOWING PERFORMANCE STANDARDS IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE AS DOCUMENTED IN INTERTEK TEST REPORT L2088.01-801-18-R1, DATED 9/24/20, SIGNED AND SEALED BY TYLER WESTERLING, FL PE NO. 72012.

1.1. TAS 201-19941.2. TAS 202-19941.3. TAS 203-1994
2. THE INSTALLATION DRAWINGS DEPICTED WITHIN ARE NECESSARY TO MEET THE STRUCTURAL LOAD REQUIREMENTS. PLEASE SEE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SEALING, FLASHING AND DRAINAGE REQUIREMENTS.
3. THIS PRODUCT IS IMPACT RESISTANT AND THEREFORE AN APPROVED IMPACT PROTECTION SYSTEM IS NOT REQUIRED FOR THIS PRODUCT WHEN INSTALLED IN A WIND-BORNE DEBRIS AREA.
4. THE GLAZING FOR THESE UNITS COMPLIES WITH ASTM E1300-12AE1.

4.1. SEE TESTED AND APPROVED GLAZING DETAILS A AND B ON SHEET 24.2. INTERIOR GLAZED AGAINST BONDAFLEX SIL 295 BACK BEDDING. AN ALUMINUM GLASS STOP WITH VINYL BULB WAS AT THE INTERIOR AND SECURED WITH A SEALANT COMPOUND AND #8 X 3/4" PHILLIPS PAN HEAD SELF-TAPPING SCREWS. A SNAP-ON ALUMINUM GLAZING BEAD COVER WAS ALSO LOCATED AT THE INTERIOR. GLASS BITE EQUAL TO 1".
5. SHIM ALL SPACES IN EXCESS OF 1/16".
6. ANCHORING DETAILS

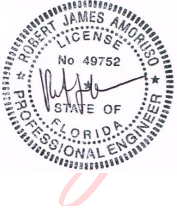
6.1. SEE ANCHOR SCHEDULE THIS SHEET FOR ANCHORAGE REQUIREMENTS.6.2. ANCHORS SHALL BE LOCATED AS DESCRIBED IN THE ELEVATION DETAIL.6.3. CONCRETE INSTALLATIONS ASSUME A MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE OF 2,500 PSI.6.4. WOOD FRAMING INSTALLATIONS ARE ASSUMED TO BE AS A MINIMUM S-P-F (G = 0.42) FOR NON-HVHZ AND SOUTHERN PINE (SG = 0.55) FOR HVHZ. WOOD FRAMING SHALL BE GREATER THAN THE WINDOW FRAME WIDTH. TAPERED OR PARTIAL WOOD BUCKS ARE NOT ALLOWED FOR INSTALLATION INTO WOOD FRAMING.6.5. METAL FRAMING INSTALLATION SHALL BE A MINIMUM OF 16 GAUGE, 33 KSI STRENGTH METAL. SCREWS SHALL BE OF SUFFICIENT LENGTH TO ACHIEVE FULL PENETRATION OF THE METAL FRAMING TO ¼" BEYOND THE SCREW DRILL POINT.6.6. ALUMINUM TUBE INSTALLATION SHALL BE A MINIMUM 6063-T6 WITH A MINIMUM 1/8" WALL THICKNESS. SCREWS SHALL BE OF SUFFICIENT LENGTH TO ACHIEVE FULL PENETRATION OF THE METAL FRAMING TO ¼" BEYOND THE SCREW DRILL POINT.
7. CORROSIVE RESISTANT FASTENERS SHALL BE USED.
8. WINDOW FRAME MATERIAL SHALL BE 6063-T6 ALUMINUM.
9. UNITS SHALL BE INSTALLED AS DESCRIBED IN THESE INSTALLATION INSTRUCTIONS AND ALSO IN CONFORMANCE TO THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
10. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
11. ALL SETTING BLOCKS AND GASKET MATERIALS, IF APPLICABLE, SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER. GASKET MATERIALS SHALL BE EDPM WITH A MINIMUM 60 SHORE A DUROMETER.

ANCHOR SCHEDULE AND DESCRIPTION				
ANCHOR	SUBSTRATE	EMBEDMENT	ANCHOR SPACING	EDGE DISTANCE
#14 WOOD SCREW	WOOD FRAMING	MINIMUM 1-1/2"	MINIMUM 1-1/2"	MINIMUM 2"
¼" TAPCON (ITW BUILDEX)	CONCRETE	MINIMUM 1-1/2"	MINIMUM 3"	MINIMUM 2-1/2"
	CMU	MINIMUM 1"	MINIMUM 3"	MINIMUM 3"
¼" TAPPER (POWERS FASTENERS)	CONCRETE	MINIMUM 1-3/8"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
	CMU	MINIMUM 1"	MINIMUM 3"	MINIMUM 4"
#14 GR 2 SMS	STEEL STUD	MINIMUM 1"	MINIMUM 1-1/2"	MINIMUM 2"
#14 GR 2 SMS	ALUMINUM TUBE	MINIMUM 1"	MINIMUM 1-1/2"	MINIMUM 2"

PERFORMANCE RATING				
OVERALL WINDOW SIZE	GLAZING DETAIL	MAXIMUM D.L.O. SIZE	DESIGN PRESSURE (PSF)	IMPACT RATING (SEE NOTE BELOW)
60" x 86"	A & B	57-1/2" x 83-1/2"	+/- 120	LMI & SMI
NOTE 1) GLAZING DETAIL A & B SHALL HAVE THEIR SACRIFICIAL EXTERIOR LITE CHANGED TO TEMPERED WHEN USED IN SMALL MISSILE IMPACT LOCATIONS.				
NOTE 2) SACRIFICIAL LITE TO EXTERIOR; LAMINATED LITE TO INTERIOR.				

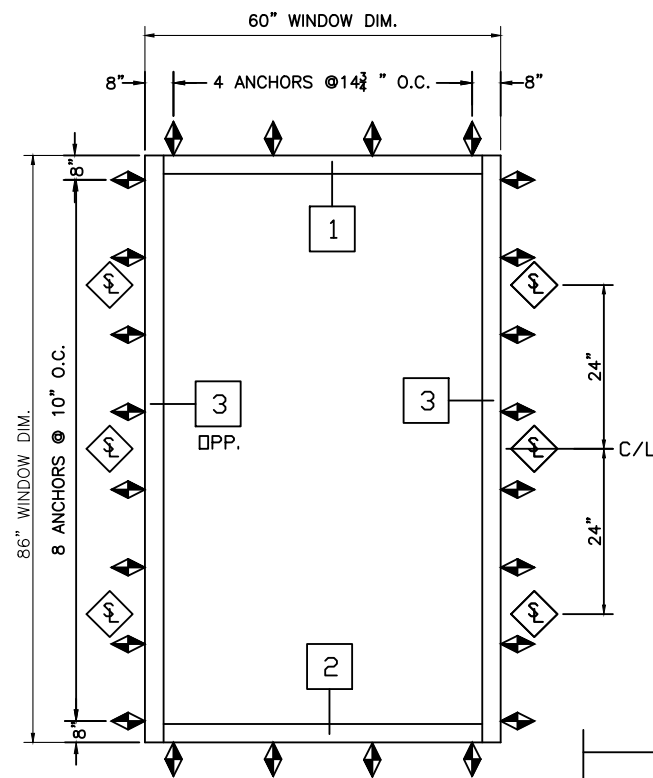
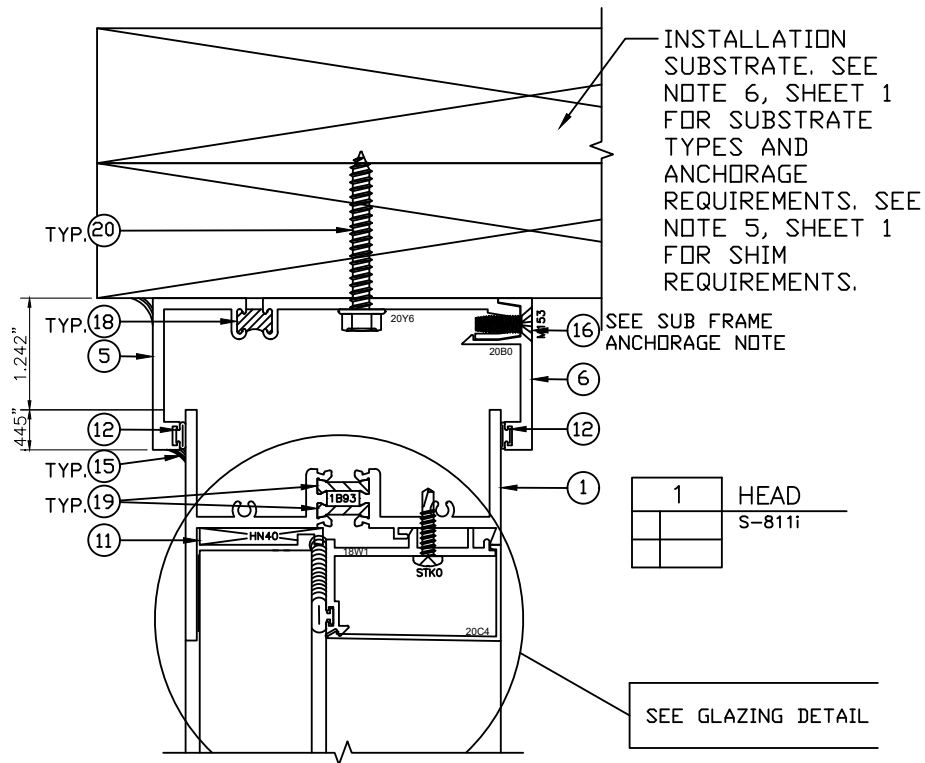
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Robert J. Amoruso, P.E.
Florida P.E. No. 49752



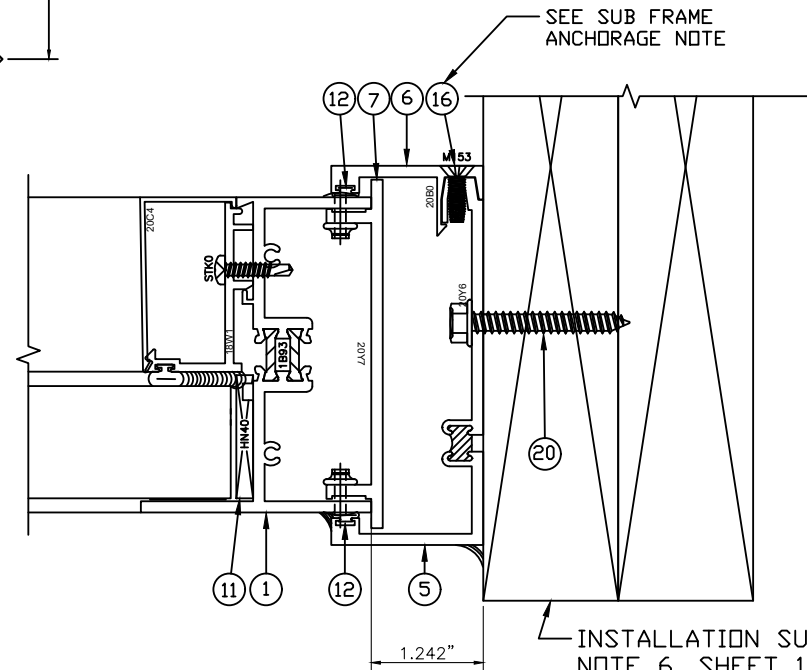
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by Robert J
Amoruso
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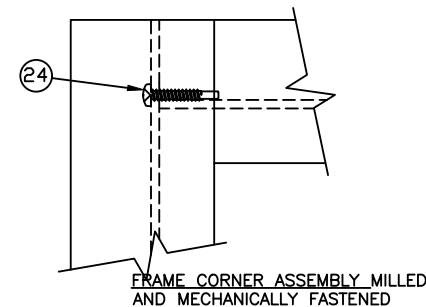


SUB FRAME ANCHORAGE
SUB FRAME CLOSURE ATTACHED TO SUB FRAME WITH ITEM NO. 16 #10-24 X 5/8" PL-FH-SMS, 4" FROM EACH END AND 12" O.C. AT SUB HEAD CLOSURE AND 3" FROM EACH END AND 19" O.C. AT SUB FRAME CLOSURE.

3 JAMB
S-811i



ITEM	# REQD	PART #	DESCRIPTION
1	4	1B93	FRAME
2	4	18W1	GLAZING RETAINER
3	4	20C4	GLAZING RETAINER COVER
4	1	5H89	SUB SILL
5	3	20Y6	SUB FRAME
6	3	20B0	SUB FRAME CLOSURE
7	6	20Y7	FRAME SUPPORT @ 6"
8	AS REQD	JJ67	WET SEAL
9	AS REQD	WM92	GLAZING DAM TAPE
10	2	HN41	SILL BLOCK
11	6	HN40	EDGE BLOCK
12	AS REQD	WA04	BULB VINYL
13	AS REQD	WNA7	ARROW SHIM GASKET
14	AS REQD	SG-15	HEAL BEAD SEALANT
15	AS REQD	----	SILICONE SEALANT
16	28	M153	#10-24 X 5/8 PL-FH-SMS 18-8 F
17	32	STK0	#8-16 X 1 SQ-PH-SMS TEK
18	AS REQD	----	POLYURETHANE
19	AS REQD	LAA3	THERMAL STRUT
20	24	----	SEE ANCHOR SCHEDULE ON SHEET 1
21	2	FD53	END DAM
22	2	H094	END DAM GASKET
23	6	STC6	#6-18 X 3/8 SQ-TH-SMS 18-8 A
24	8	SLQ2	#8-18 X 1 PL-PH-SMS 18-8 B-LEAD POINT



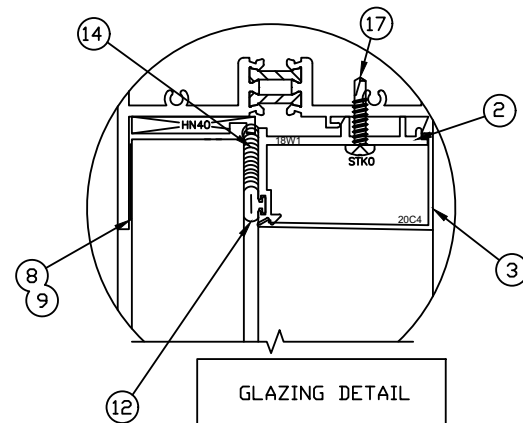
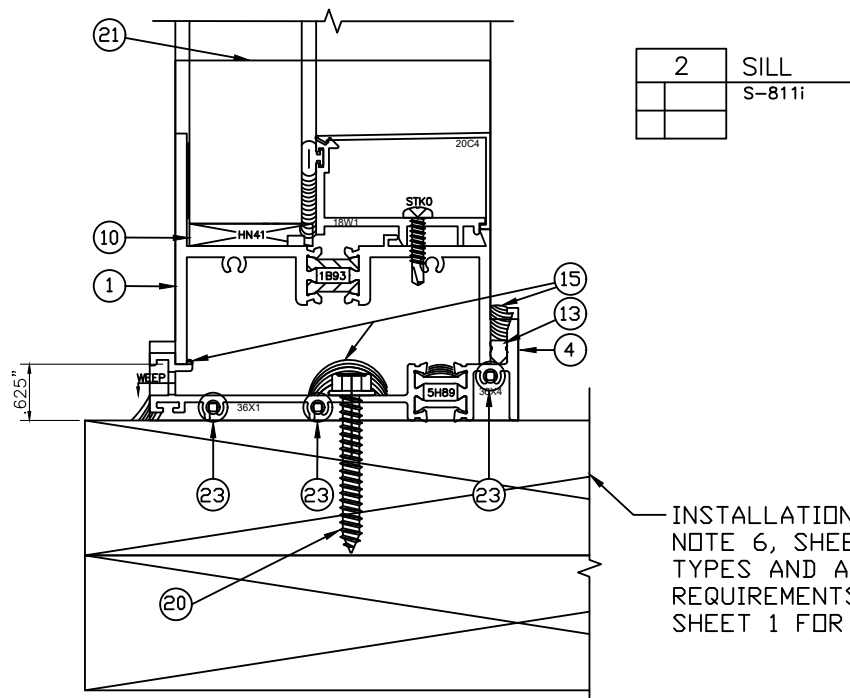
INSULATED GLASS DESCRIPTION

DETAIL A

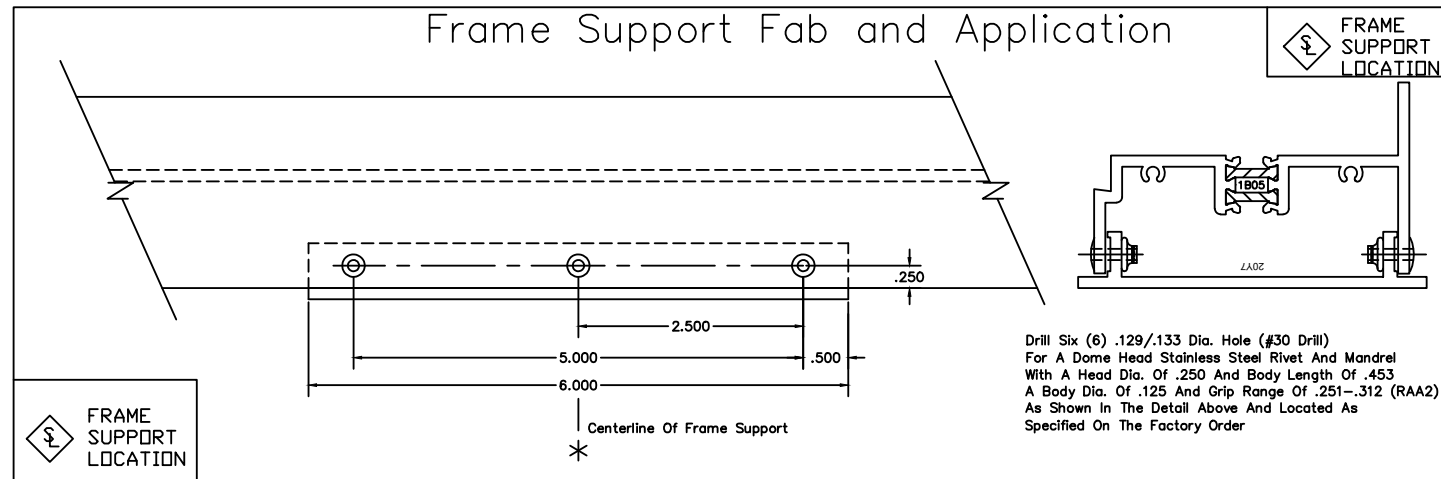
1 5/16" NOMINAL GLASS THICKNESS
EXTERIOR: 1/4" CLEAR H.S.
.512" A.S. (ALLMETAL, INC. STANDARD AIR SPACER)
9/16" NOMINAL LAMINATED (1/4" H.S. -.090 SG-1/4" H.S.) : INTERIOR

DETAIL B

1 5/16" NOMINAL GLASS THICKNESS
EXTERIOR: 1/4" CLEAR H.S.
.532" A.S. (ALLMETAL, INC. STANDARD AIR SPACER)
9/16" NOMINAL LAMINATED (1/4" H.S. -.077 VANCEVA-1/4" H.S.) : INTERIOR



Frame Support Fab and Application



Robert J. Amoruso, P.E.
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DRAWN BY	TKEE	CHECKED BY	RJA	SCALE	REV.
DATE	8-22-19	DATE	12/14/20		



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FBC PRODUCT APPROVAL DRAWINGS
ELEVATION, SECTIONS & GLAZING DETAILS

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