

EFCO CORPORATION

SERIES 2701 CASEMNET WINDOW - OUTSWING

FBC PRODUCT APPROVAL DRAWINGS

GENERAL NOTES:

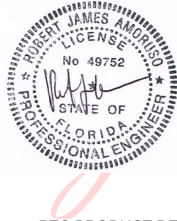
1. THE PRODUCT HEREIN CONFORMS TO THE REQUIREMENTS FOR THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). TESTING WAS CONDUCTED TO THE FOLLOWING PERFORMANCE STANDARDS IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE AS DOCUMENTED IN INTERTEK TEST REPORT L2083.01-801-18-R0, DATED 9/21/20, SIGNED AND SEALED BY TYLER WESTERLING, FL PE NO. 72012.
- 1.1. TAS 201-1994
- 1.2. TAS 202-1994
- 1.3. 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 2
- 4.2. INTERIOR GLAZED WITH GLAZING DAM TAPE AND SILICONE AT THE EXTERIOR FACE OF GLASS. HEAL BEAD APPLIED TO INTERIOR LITE LATERAL FACE OF GLASS AND GLAZING STOP APPLIED TO INTERIOR FACE OF GLASS AND ATTACHED WITH #8-16 X 1" SQ PH SMS TEK SCREW, 4" FROM EACH END AND 8" O.C. COVER APPLIED TO STOP. 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)
38" x 86"	A & B	30-3/4" x 78-3/4"	+/- 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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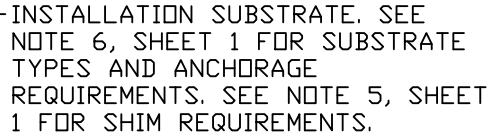
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J
Amoruso
Date:
2021.04.16
14:02:01 -04'00'

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com

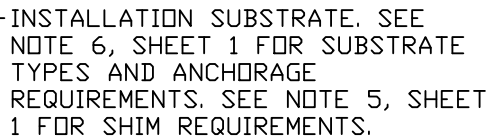
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* DENOTES LOCK LOCATION

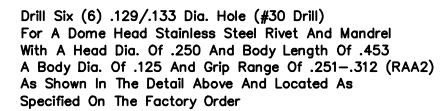
 DENOTES ANCHOR LOCATIONS

 FRAME SUPPORT LOCATION



1 1/8" NOMINAL GLASS THICKNESS
EXTERIOR: 1/4" CLEAR H.S.
.335" A.S. (ALLMETAL, INC. STANDARD AIR SPACER)
9/16" NOMINAL LAMINATED (1/4" H.S. -.090
SG-1/4" H.S.) : INTERIOR

1 1/8" NOMINAL GLASS THICKNESS
EXTERIOR: 1/4" CLEAR H.S.
.375" A.S. (ALLMETAL, INC. STANDARD AIR SPACER)
9/16" NOMINAL LAMINATED (1/4" H.S. -.077
VANCEVA-1/4" H.S.): INTERIOR



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

Digitally signed
by Robert J
Amoruso
Date:
2021.04.16
14:02:23 -04'00'

A circular professional engineer seal for Robert James Amoroso. The outer ring contains the text "ROBERT JAMES AMOROSO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, "No 49752" in the center, and "STATE OF FLORIDA" at the bottom. A handwritten signature, "R. Amoroso", is written across the center of the seal.

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SERIES 2701 CASEMENT WINDOW - OUTSWING
FBC PRODUCT APPROVAL DRAWINGS
ELEVATION, SECTIONS & GLAZING DETAILS

DRAWING NO.
EFC□-030

SHEET
2 OF 3

DRAWN BY	TKEE	CHECKED BY	RJA
DATE	8-22-19	DATE	12/14/20

SCALE

REV.

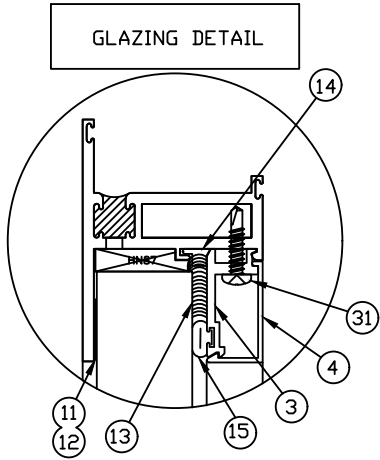
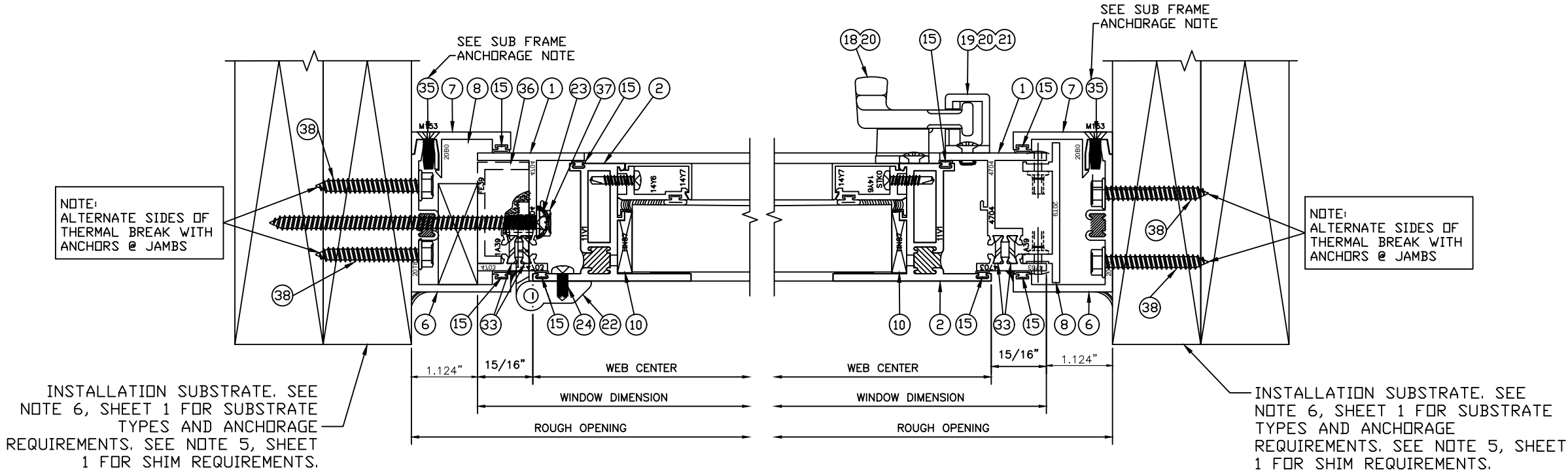


EFCO CORPORATION

1000 County Road - Monett, Missouri 65708

3	JAMB
	2701
	IMPACT SYSTEM

4	JAMB
	2700
	CASEMENT OUT CAM LOCK



SUB FRAME ANCHORAGE
SUB FRAME CLOSURE ATTACHED TO SUB FRAME WITH ITEM NO. 31
#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.

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

Digitally signed
by Robert J
Amoruso
Date:
2021.04.16
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