

GENERAL NOTES

1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT, AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
3. TESTED CONFIGURATION IS AS NOTED IN THIS DRAWING.
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED STRUCTURAL PRESSURES.
5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
6. 1X WOOD BUCKS ARE OPTIONAL, AND IF USED, INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. ANCHOR EMBEDMENT SHALL BE FULLY INTO THE SUBSTRATE BEYOND THE WOOD BUCKS.
7. ANCHORAGE NOTES: ALL ANCHORS AND FASTENERS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS. INSTALL ONE F-ANCHOR AT EACH LOCATION SHOWN IN THE ELEVATION, ATTACHED TO THE OPENING SUBSTRATE WITH TWO FASTENERS PER F-ANCHOR. INSTALL 1/4" MAX. SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN F-ANCHOR AND SUBSTRATE. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE. SPECIFIED FASTENER EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO. ON-CENTER DISTANCE BETWEEN ANY TWO INSTALLATION FASTENERS OF 1-1/2" MINIMUM SHALL BE MAINTAINED.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.
9. ALL INSTALLATIONS & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
10. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

INSULATED GLASS DESCRIPTION

1" NOMINAL GLASS THICKNESS

1/4" HEAT STRENGTHENED OR FULLY TEMPERED *

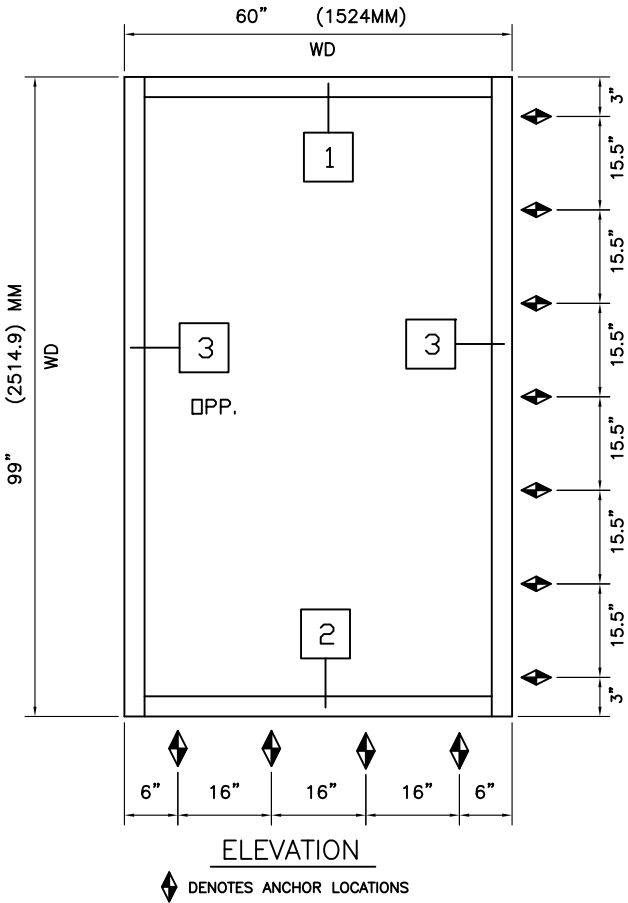
1/2" A.S. (ALUMINUM SPACER)

1/4" HEAT STRENGTHENED OR FULLY TEMPERED *

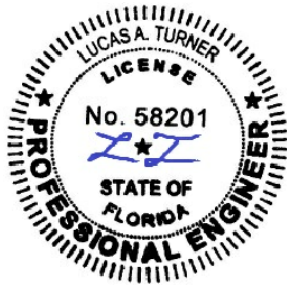
* SEE DP RATING CHART THIS SHEET FOR DESIGN PRESSURES AT VARIOUS SIZES BASED ON GLASS STRENGTH.

MAX. DLO 56-1/4" X 95-5/16"

SERIES 2700 NONIMPACT FIXED WINDOW



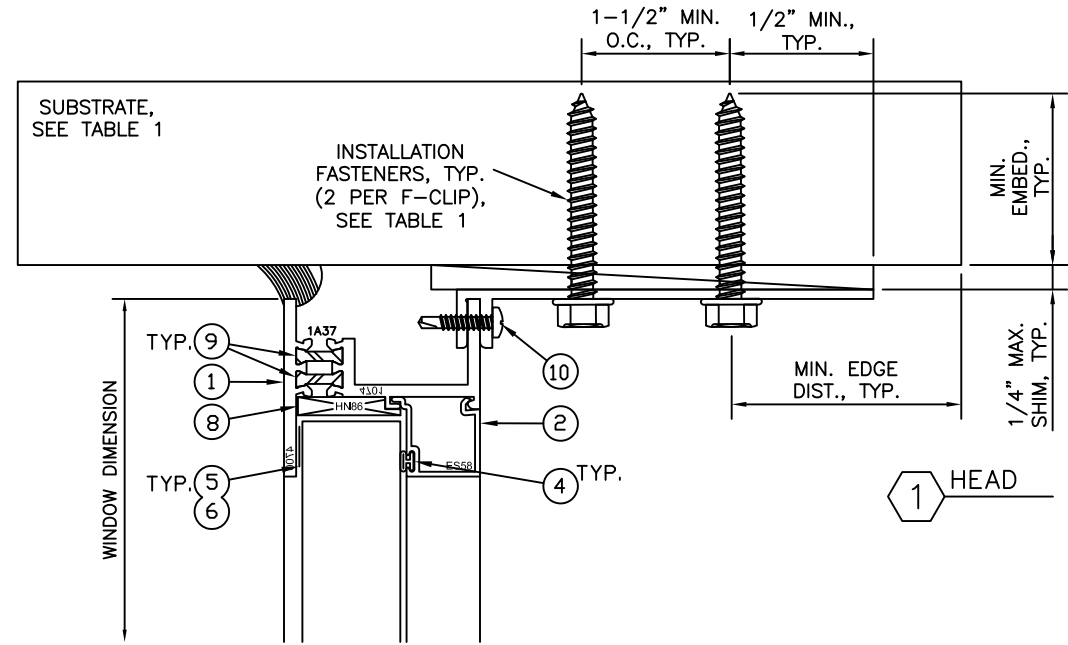
ITEM	# REQD	PART #	DESCRIPTION
1	4	1A37	FRAME
2	4	ES58	GLAZING BEAD
3	22	KA24	F-ANCHOR 1880 @ 2"
4	AS REQD	WA04	BULB VINYL
5	AS REQD	WM92	PVC FOAM GLAZING DAM TAPE
6	AS REQD	JJ67	WET GLAZE SEALANT
7	2	HN87	SETTING BLOCKS
8	6	HN86	EDGE BLOCKS
9	AS REQD	LAB0	THERMAL STRUT
10	22	STK0	#8-16 X 1 SQ-PH-SMS TEK
11	44	STV1	#14-10 X 1 3/4 HW-SMS 18-8A



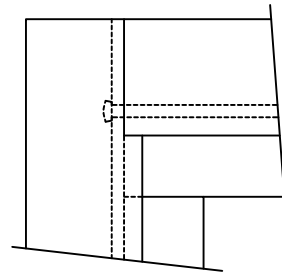
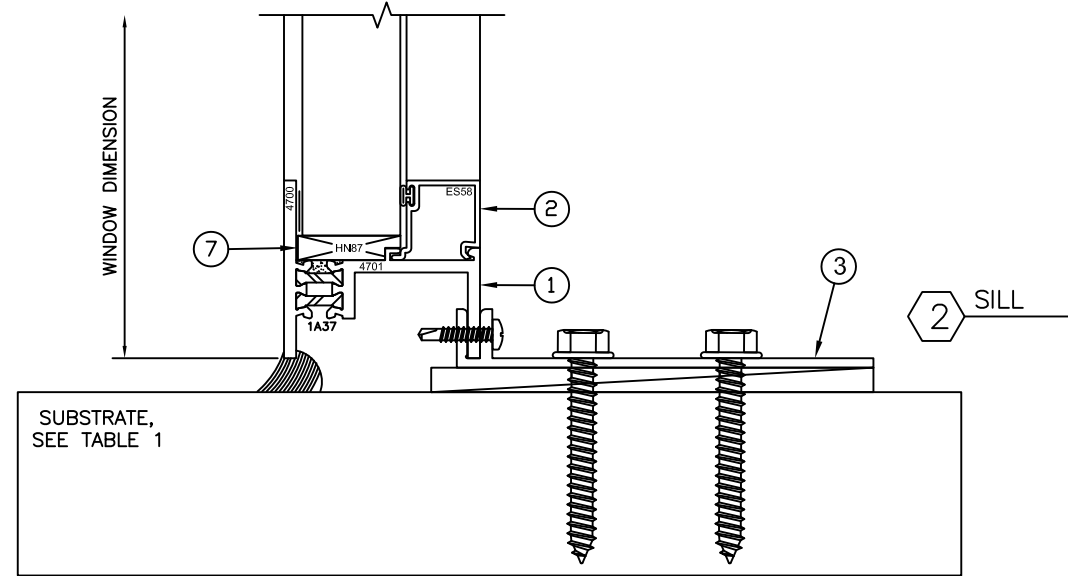
5/1/2024
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING
& CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

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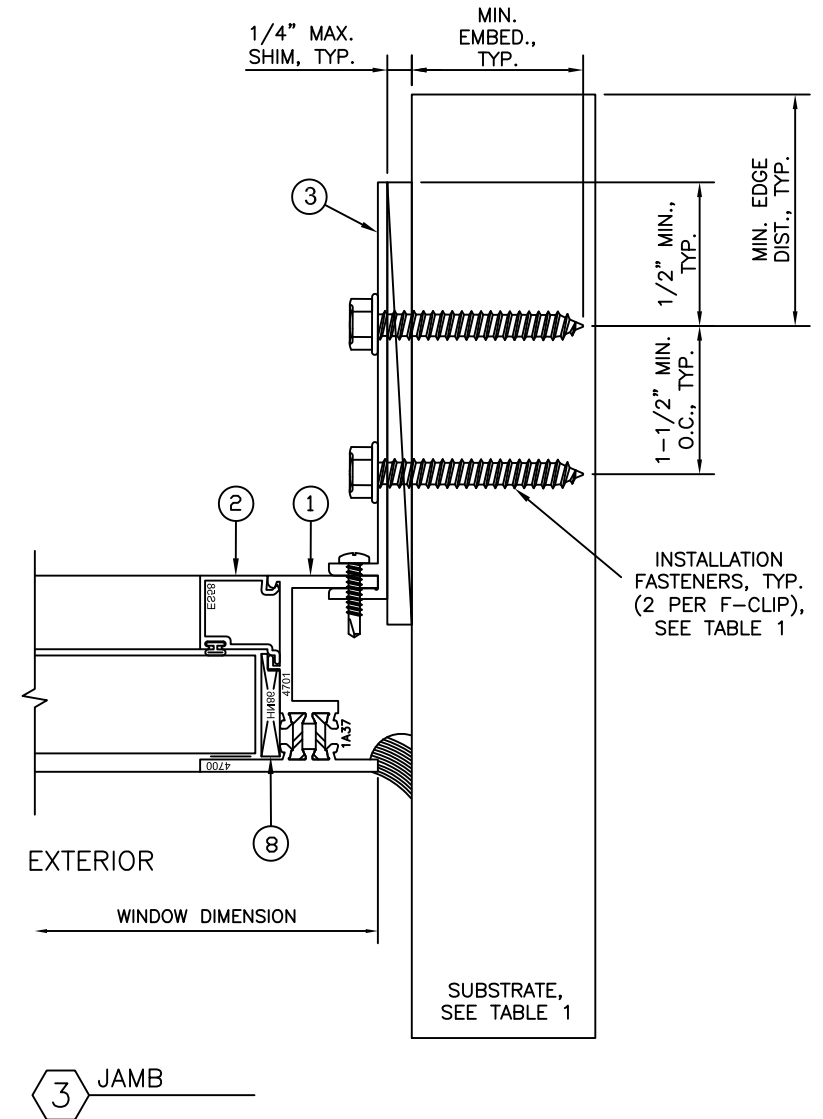
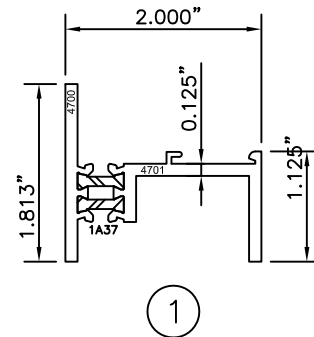
DESIGN PRESSURES RATINGS (POS. AND NEG., ASD, PSF)										
Height (WD), in.	Glass Strength (Both Lites of IG)	Width (WD), in.								
		36	39	42	45	48	51	54	57	60
72	Heat Strengthened	140	140	140	140	140	140	140	140	140
	Full Tempered	140	140	140	140	140	140	140	140	140
78	Heat Strengthened	140	140	140	140	140	140	140	140	137
	Full Tempered	140	140	140	140	140	140	140	140	140
84	Heat Strengthened	140	140	140	136	135	134	132	131	127
	Full Tempered	140	140	140	140	140	140	140	140	140
90	Heat Strengthened	140	135	127	124	123	122	121	119	118
	Full Tempered	140	140	140	140	140	140	140	140	140
96	Heat Strengthened	140	127	117	112	111	111	110	110	109
	Full Tempered	140	140	140	140	140	140	140	140	140
99	Heat Strengthened	140	123	112	108	107	106	106	106	105
	Full Tempered	140	140	140	140	140	140	140	140	140



EXTERIOR



FRAME CORNER ASSEMBLY -
MORTISE AND TENON.



EXTERIOR

3 JAMB

TABLE 1: INSTALLATION FASTENER REQUIREMENTS TABLE

SUBSTRATE TYPE	FASTENER TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
CMU MASONRY (ASTM C-90)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#14 GRADE 5 WOOD SCREW	1-1/2"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	1/4" HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL, PLUS 3 THREADS BEYOND	1/2"



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EFCO CORPORATION
1000 County Road - Monett, Missouri 65708

2700 FIXED WINDOW NONIMPACT
D.P. +140.0/-140.0 PSF

DWG#
2700-FX-NI

SHEET
2 of 2

DRAWN BY MH/LAT
DATE 5/1/2024

SCALE
NTS

REV.