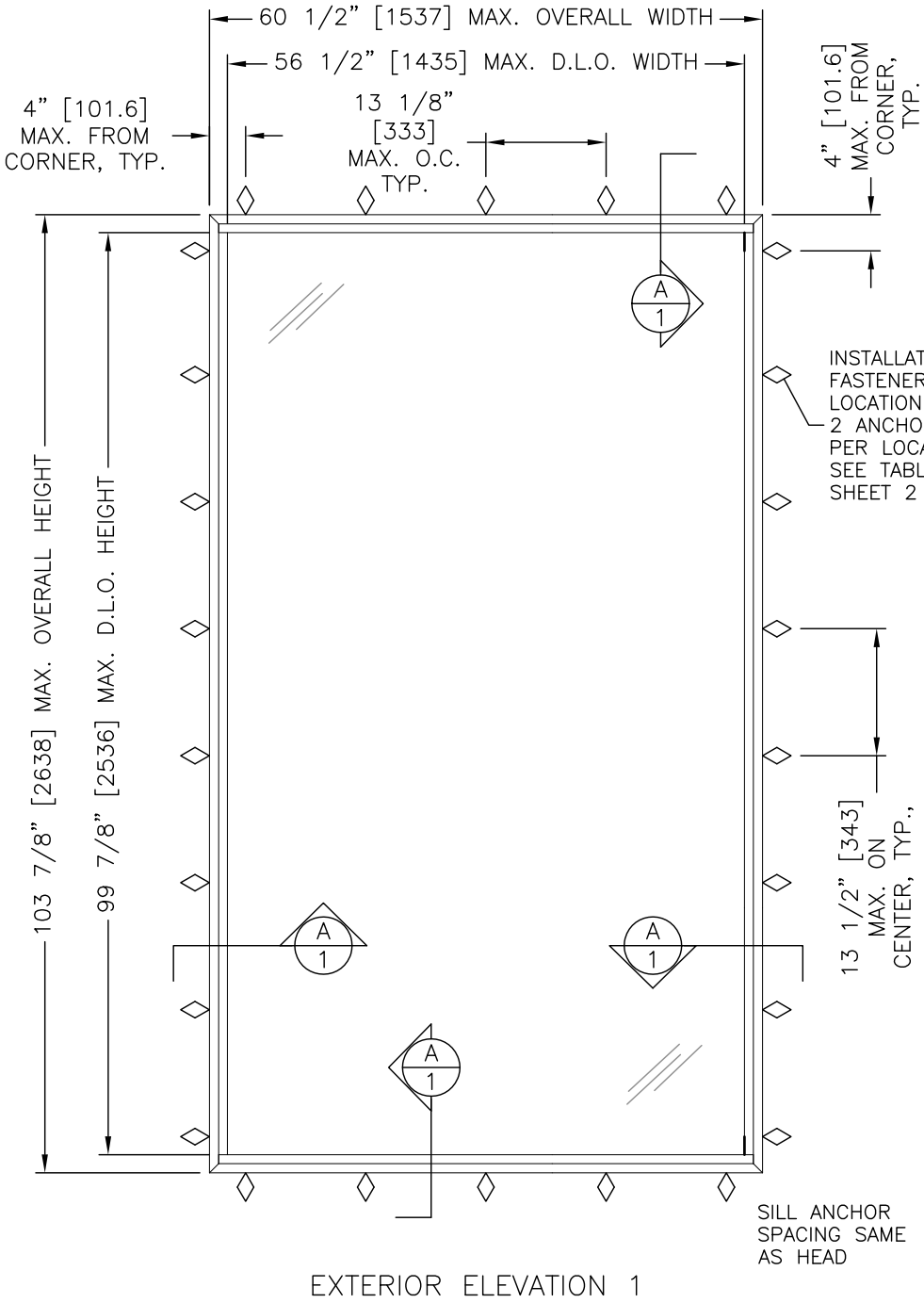
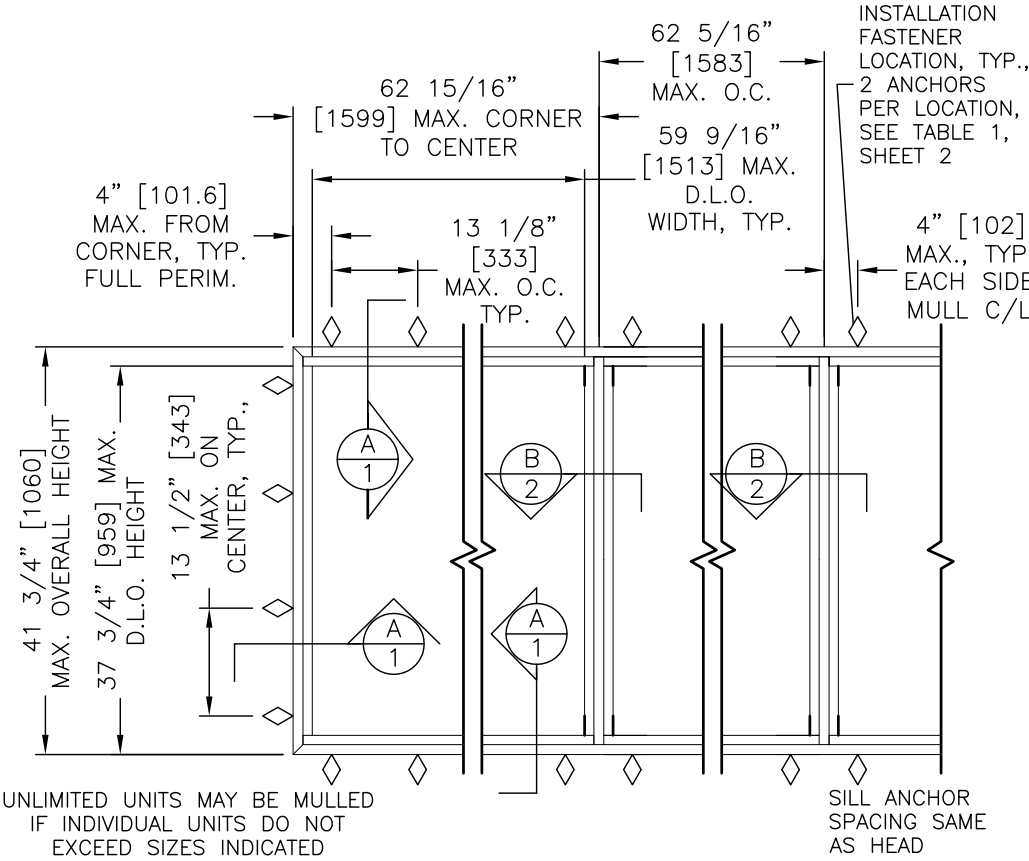


ORIGIN ALUMINUM FIXED WINDOW, NON-IMPACT

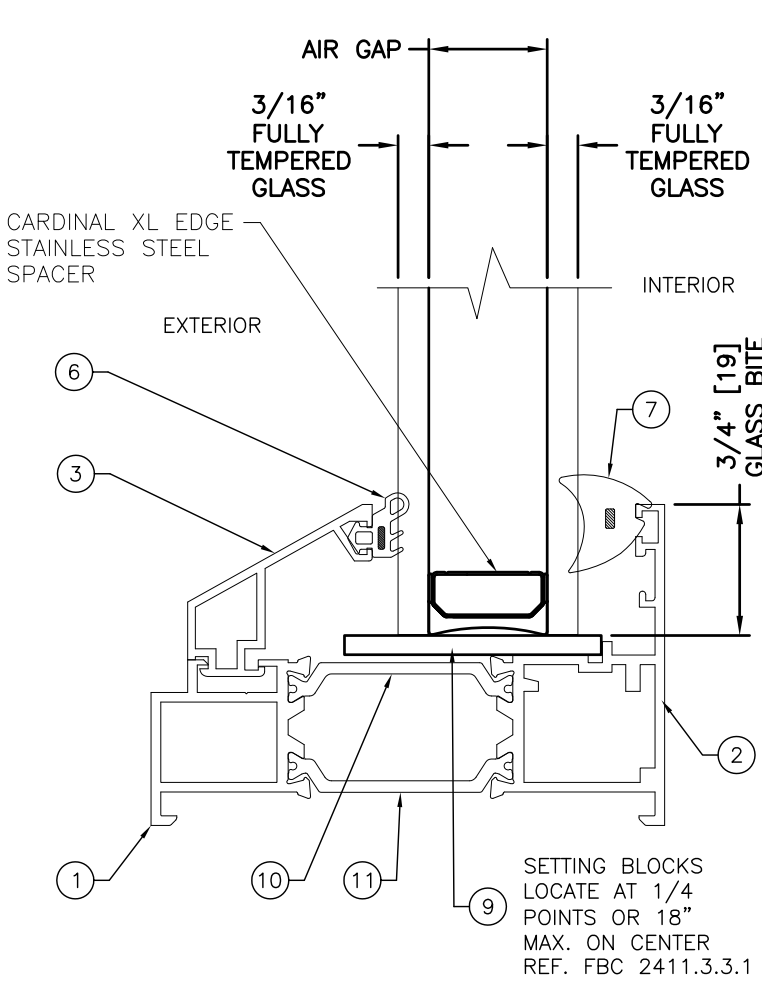


EXTERIOR ELEVATION 1



EXTERIOR ELEVATION 2

ELEVATION	DESIGN PRESSURE RATING	IMPACT RATING
1	SEE TABLE, SHEET 2	NONE
2	+50/-55 PSF	



DETAIL A. TYPICAL SECTION HEAD, SILL, JAMB

- GENERAL NOTES**
1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS NOT IMPACT RESISTANT AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
 2. THIS PRODUCT HAS BEEN TESTED TO TAS 202-94, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
 3. ALLOWABLE CONFIGURATIONS: 0 PICTURE WINDOW
 4. THE DESIGN PRESSURE RATINGS AS SHOWN ON SHEET 2 ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER AND 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. INSTALLATION OF 1X OR 2X 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.
 7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH 6063-T5. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
 8. ALL HARDWARE & 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.
 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.

SHEET	DESCRIPTION
1.....	ELEV., SECT. W/ GLAZING DET.
2.....	ANCHORAGE, MULL DETAILS
3.....	B.O.M., JOINERY, PART DRAWINGS

Lucas Turner
2023.10.20
16:44:15
-05'00'



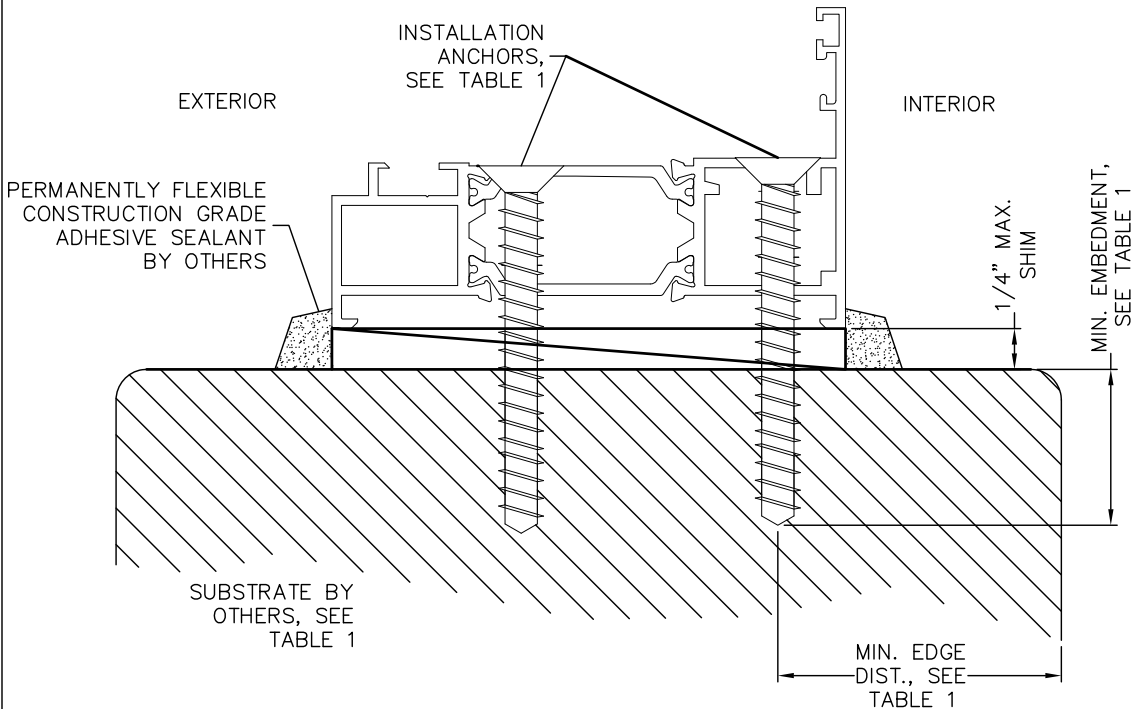
10/20/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CAMDEN, TN 38320
PH. 941-380-1574

ORIGIN
ORIGIN USA INC.
573 PAUL MORRIS DR.
ENGLEWOOD, FL 34223
Phone: 941-484-4861

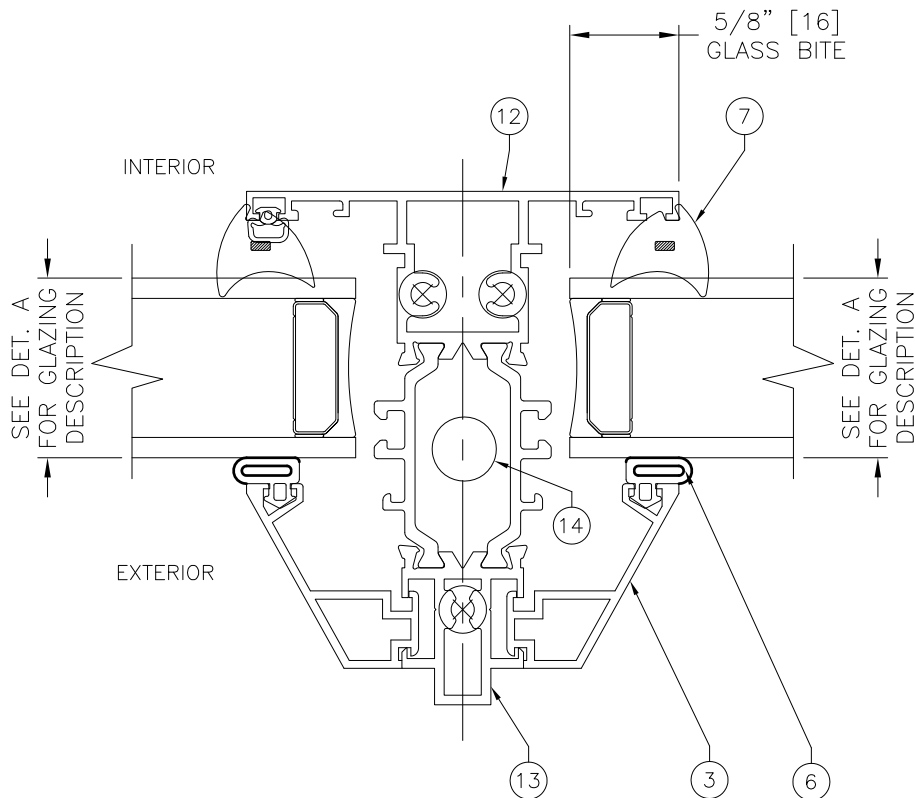
ORIGIN ALUMINUM
FIXED WINDOW
NON-IMPACT

DRAWN BY:	LAT
DATE:	10/12/17
SCALE:	NTS
REVISION:	
REVISION 10/20/2023:	B: 2023 UPDATE
DRAWING #	FPA-PW-NI
SHEET DESCRIPTION	NOTES, ELEVATION, SECTION
SHEET	1 of 3

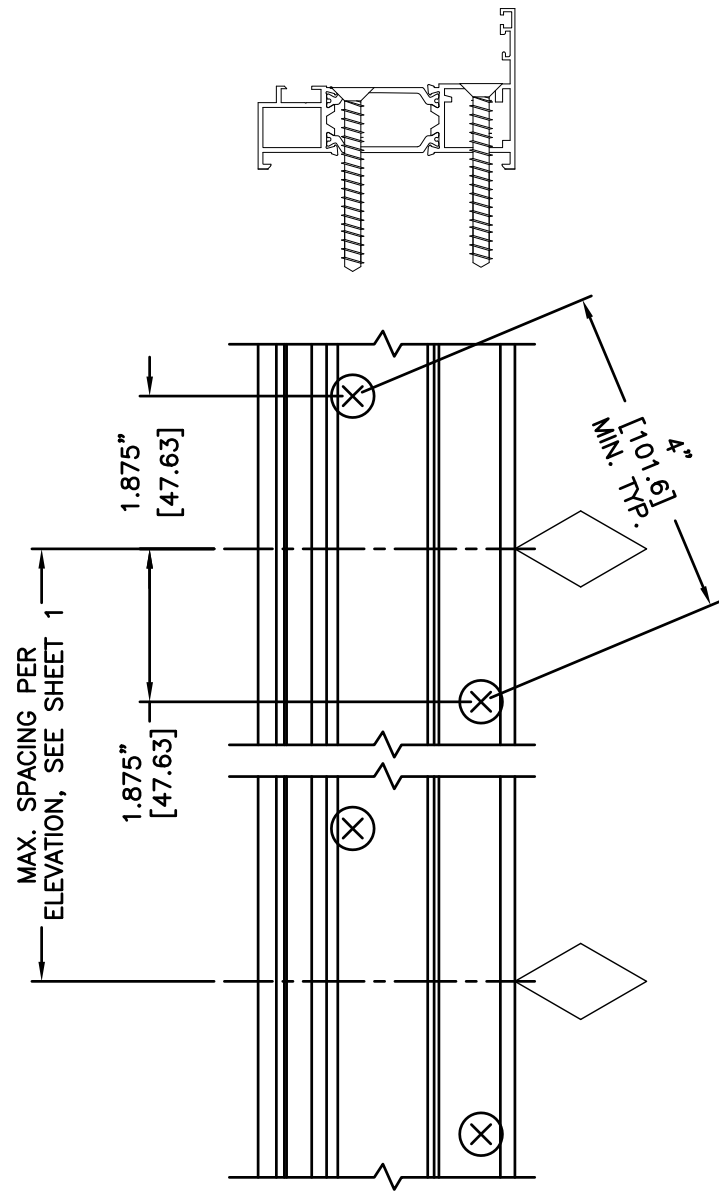
Fixed Window Allowable Design Pressures (psf) (Applies to Individual non-Mulled Units)										
Overall Frame Width	Overall Frame Height (in.)									
	48	54	60	66	72	78	84	90	96	103 7/8
30	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0
36	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0
42	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-70.4
48	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-75.0	+55.0/-70.9	+55.0/-63.9
54	+55.0/-75.0	+55.0/-69.0	+55.0/-69.0	+55.0/-69.0	+55.0/-69.0	+55.0/-69.0	+55.0/-69.0	+55.0/-69.0	+55.0/-65.8	+55.0/-59.0
60 1/2	+55.0/-75.0	+55.0/-69.0	+55.0/-55.9	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0



TYPICAL INSTALLATION, HEAD, SILL AND JAMB



DETAIL B. TYPICAL INTEGRAL MULLION



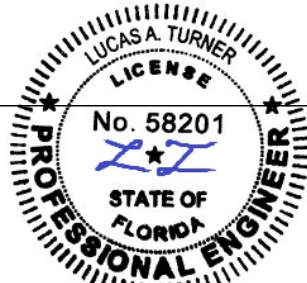
ANCHOR STAGGER PATTERN

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON	1"	1 1/2"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4 ITW TAPCON	1"	2"
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/8"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRACON+	1-1/4"	1"
2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	1/4" ITW TAPCON OR 1/4" ELCO ULTRACON	1-3/8"	1"
2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#12 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN.	#12-24 ITW TEKS SELF-DRILLING SCREW	SEE ANCHOR NOTE 5	1/2"
1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#12 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE ANCHOR NOTE 5	1/2"

GENERAL ANCHOR NOTES:

1. INSTALL TWO ANCHORS IN STAGGERED PATTERN AS SHOWN ABOVE AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 1 FOR PRODUCT PERIMETER. USE ANCHORS APPROPRIATE FOR SUBSTRATE TYPE (SEE TABLE 1).
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.
5. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN. OF THREADS BEYOND.
6. A MINIMUM CENTER-TO-CENTER SPACING OF 4" SHALL BE MAINTAINED BETWEEN ALL CONCRETE OR CMU ANCHORS IN ANY DIRECTION. CONCRETE/MASONRY SUBSTRATES SHALL NOT BE CRACKED.



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FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CAMDEN, TN 38320
PH. 941-380-1574



ORIGIN USA INC.
573 PAUL MORRIS DR.
ENGLEWOOD, FL 34223
Phone: 941-484-4861

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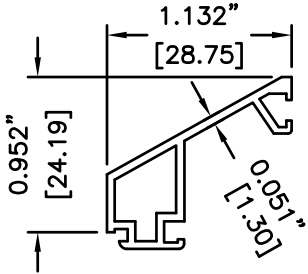
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INSTALLATION
DETAILS

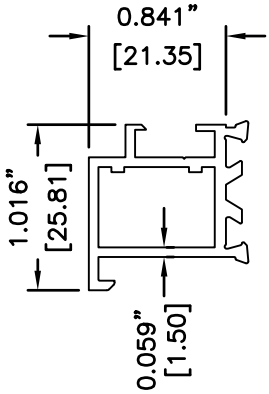
SHEET
2 of 3

BILL OF MATERIALS

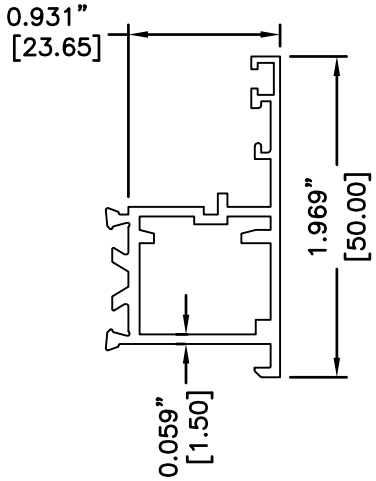
ITEM	PART NUMBER	SUPPLIER	PART DESCRIPTION	MATERIAL
1	W66	CORTIZO	OUTER PROFILE	ALUM. 6063-T5
2	W67	CORTIZO	INNER PROFILE	ALUM. 6063-T5
3	W73	CORTIZO	FRAME BEAD	ALUM. 6063-T5
4	W75	CORTIZO	CLEAT 17.8	ALUM. 6063-T5
5	W76	CORTIZO	CLEAT 9.5	ALUM. 6063-T5
6	E3434	PLASTECH	FRAME D GLAZING REBATE	EPDM
7	W473P	PLASTECH	FRAME D WEDGE GASKET	EPDM
8	99018	MONTROSE	CHEVRON FS	ALUM. 6063-T5
9	6705	FASTENAL	3mm GLAZING PACKER	RIGID PVC
10	418500	CORTIZO	TECHNOFORM STRIP OVER	POLYAMIDE
11	418600	CORTIZO	TECHNOFORM STRIP UNDER	POLYAMIDE
12	W68	CORTIZO	MULLION INNER PROFILE	ALUM. 6063-T5
13	W69	CORTIZO	MULLION OUTER PROFILE	ALUM. 6063-T5
14			M10 THREADED ROD/NUT	STEEL
15			#8 X 1.5" SELF-TAPPING SCREW	STEEL



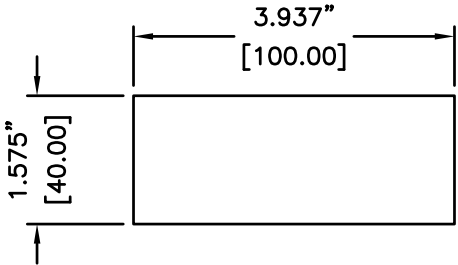
③ W73



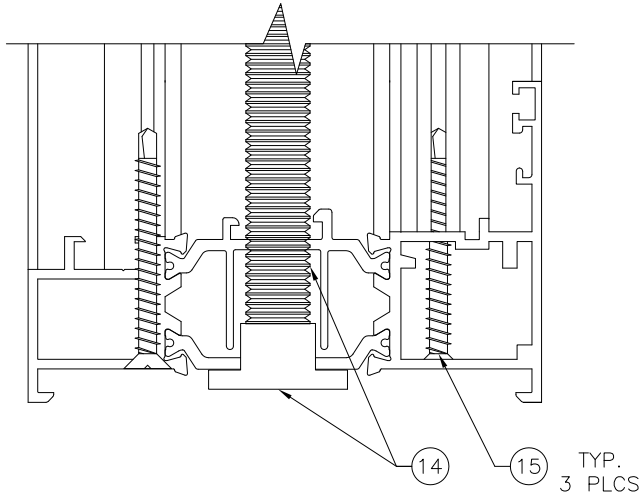
① W66



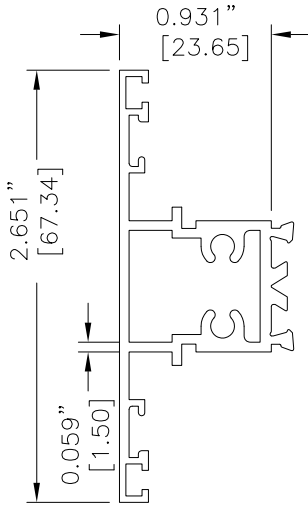
② W67



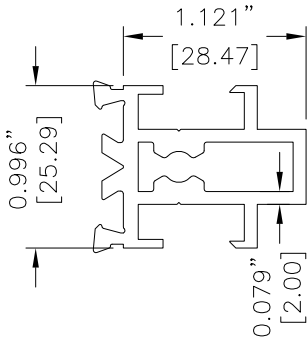
⑨ 6705 (3mm THICKNESS)



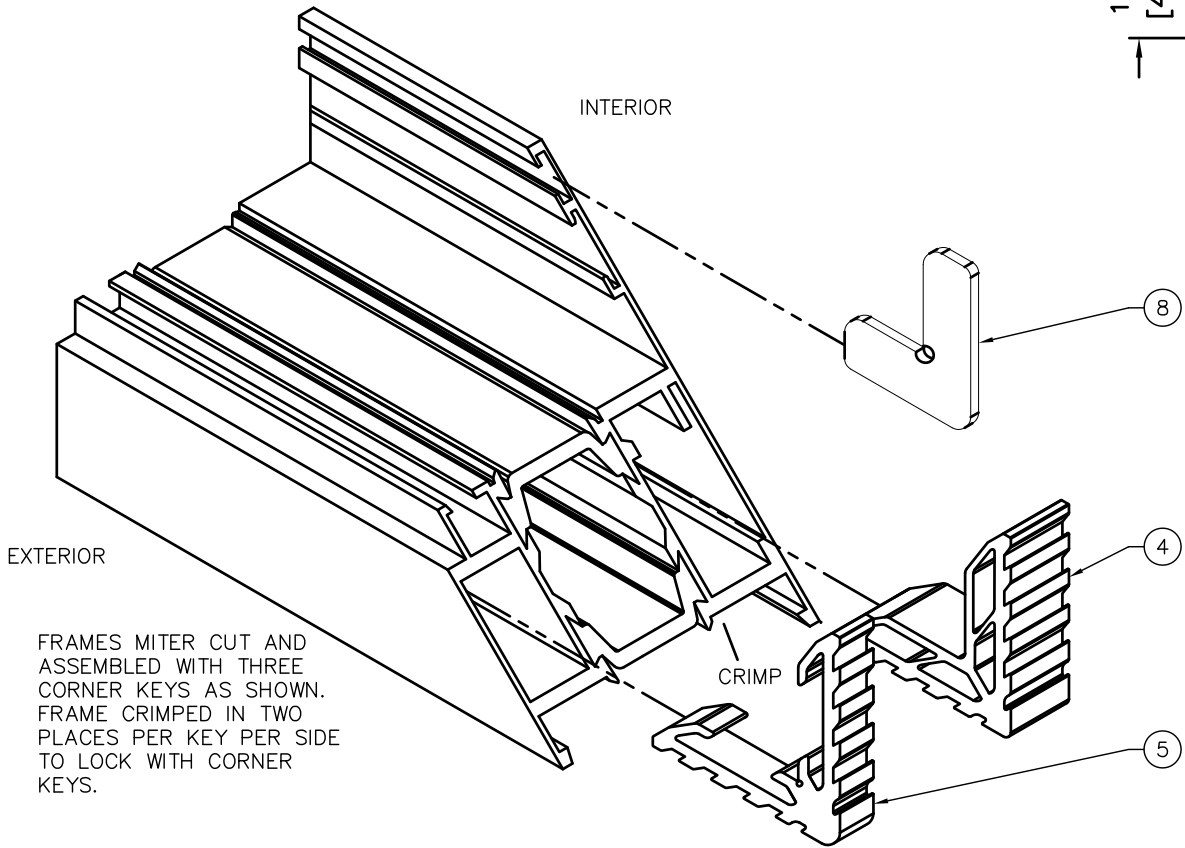
INTEGRAL MULLION ASSEMBLY



⑫ W68



⑬ W69



CORNER JOINERY

FRAMES MITER CUT AND ASSEMBLED WITH THREE CORNER KEYS AS SHOWN. FRAME CRIMPED IN TWO PLACES PER KEY PER SIDE TO LOCK WITH CORNER KEYS.



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SHEET DESCRIPTION

BOM, PART
DWGS, CORNER

SHEET
3 of 3



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