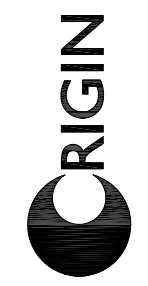


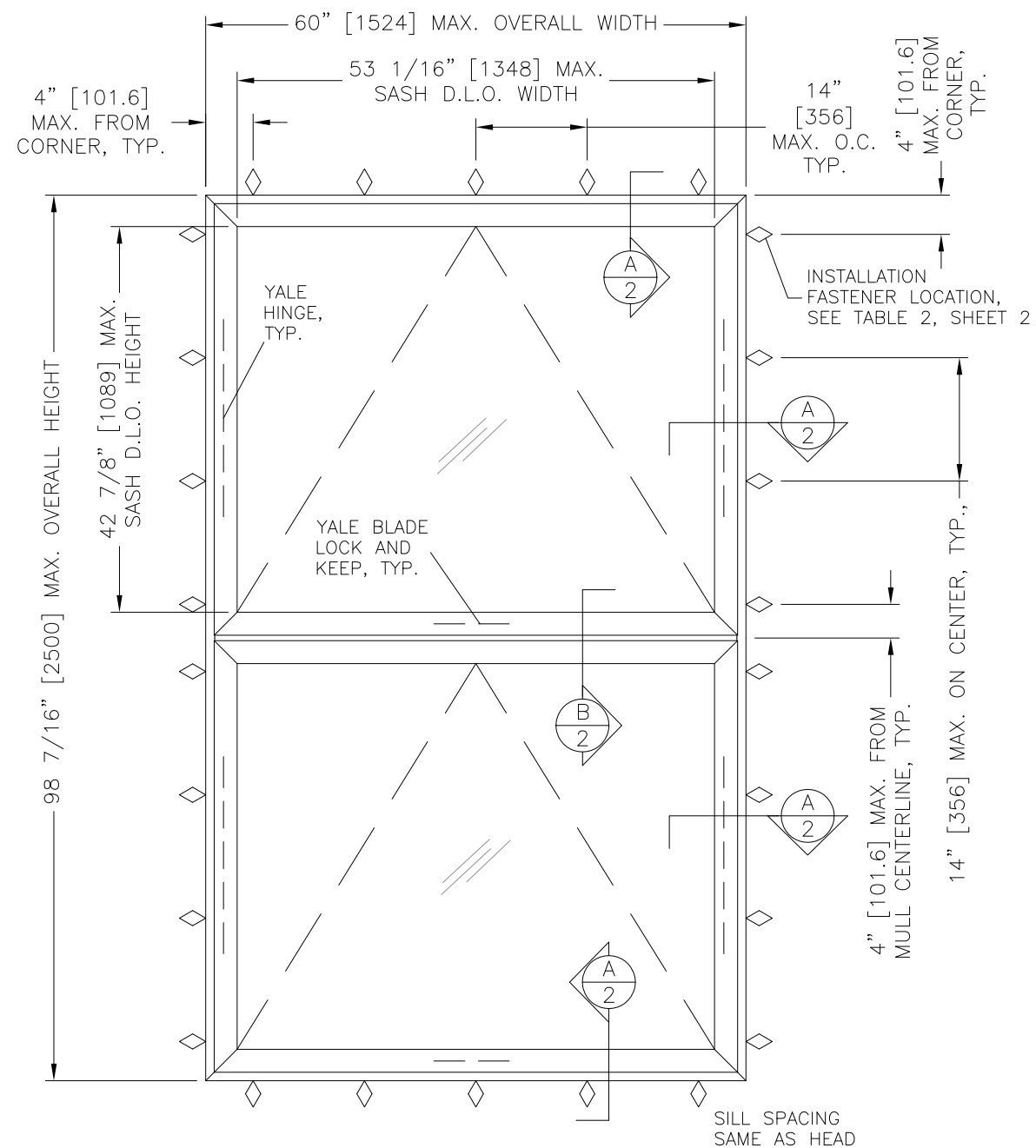
ORIGIN ALUMINUM AWNING WINDOW – NON-IMPACT

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1.....	ELEVATION, GEN. NOTES
2.....	SECTION DETAILS
3.....	ANCHORAGE DETAILS, NOTES
4.....	B.O.M., JOINERY, PART DRAWINGS



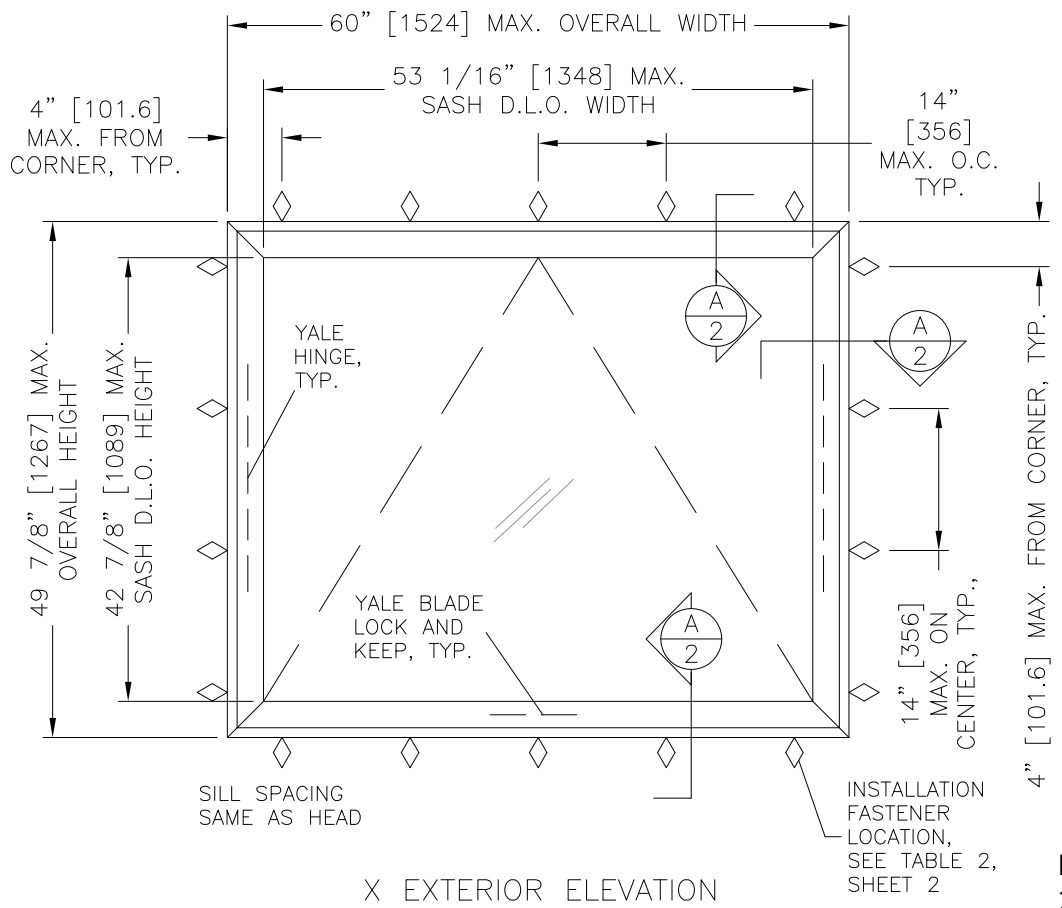
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ORIGIN ALUMINUM
AWNING WINDOW
NON-IMPACT



XX EXTERIOR ELEVATION

DESIGN PRESSURE RATINGS	IMPACT RATING
SEE SHEET 2	NONE



X EXTERIOR ELEVATION

Lucas Turner
2023.10.20
16:43:11 -05'00'



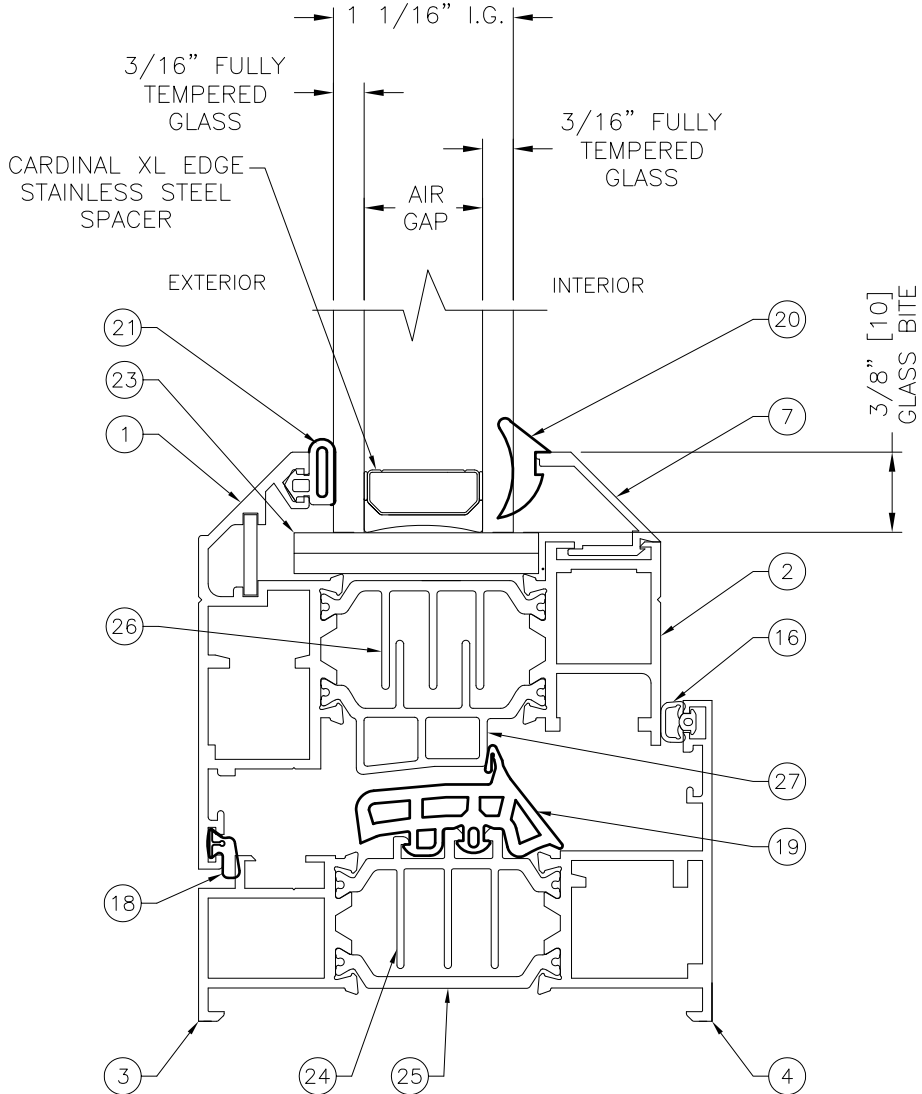
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FL PE # 58201
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GENERAL NOTES

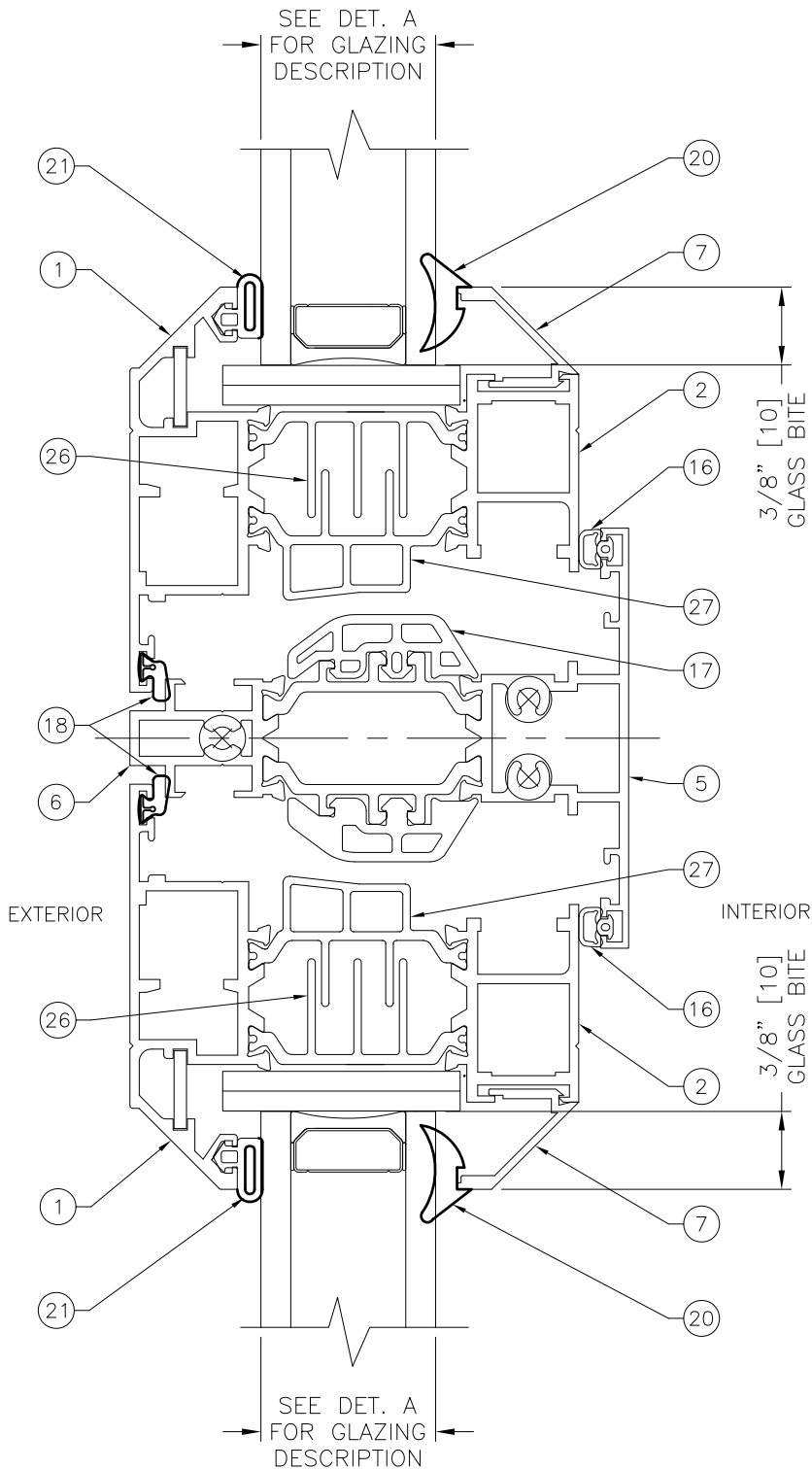
1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT RATED AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THIS PRODUCT HAS BEEN TESTED TO TAS202 AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023), INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. ALLOWABLE CONFIGURATIONS: X (SINGLE VENT), XX (DOUBLE VENT)
4. THE DESIGN PRESSURE RATINGS IN TABLE 1 ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER AND STRUCTURAL PRESSURES WITH COMPARATIVE ANALYSIS.
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 CHAPTER 20 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.

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DRAWING #	FPA-AW-NI
SHEET DESCRIPTION	NOTES, ELEVATION
SHEET	1 of 4

Table 1. Allowable Design Pressures (psf)										
Overall Width (in.)		X Overall Frame Height (in.)								
		24	27	30	33	36	39	42	45	49 7/8
		XX Overall Frame Height (in.)								
		46 11/16	52 11/16	58 11/16	64 11/16	70 11/16	76 11/16	82 11/16	88 11/16	98 7/16
		Sash DLO Height (in.)								
		17	20	23	26	29	32	35	38	42 7/8
24		+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-94.6	+50.0/-85.8	+50.0/-74.6
30		+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-95.0	+50.0/-84.3	+50.0/-75.7	+50.0/-64.9
36		+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-90.5	+50.0/-79.2	+50.0/-70.2	+50.0/-59.3
42		+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-100	+50.0/-89.9	+50.0/-77.6	+50.0/-67.9	+50.0/-56.2
48		+50.0/-100	+50.0/-100	+50.0/-97.2	+50.0/-92.5	+50.0/-89.1	+50.0/-86.5	+50.0/-77.6	+50.0/-67.6	+50.0/-55.0
54		+50.0/-95.4	+50.0/-88.0	+50.0/-82.2	+50.0/-77.7	+50.0/-74.2	+50.0/-71.5	+50.0/-69.4	+50.0/-67.6	+50.0/-55.0
60		+50.0/-83.5	+50.0/-76.6	+50.0/-71.2	+50.0/-67.0	+50.0/-63.6	+50.0/-60.9	+50.0/-58.7	+50.0/-57.0	+50.0/-55.0



DETAIL A. TYPICAL SECTION SASH HEAD, SILL, AND JAMB



DETAIL B. TYPICAL SECTION INTEGRAL MULLION



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ORIGIN ALUMINUM
AWNING WINDOW
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DRAWN BY:

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SCALE:

NTS

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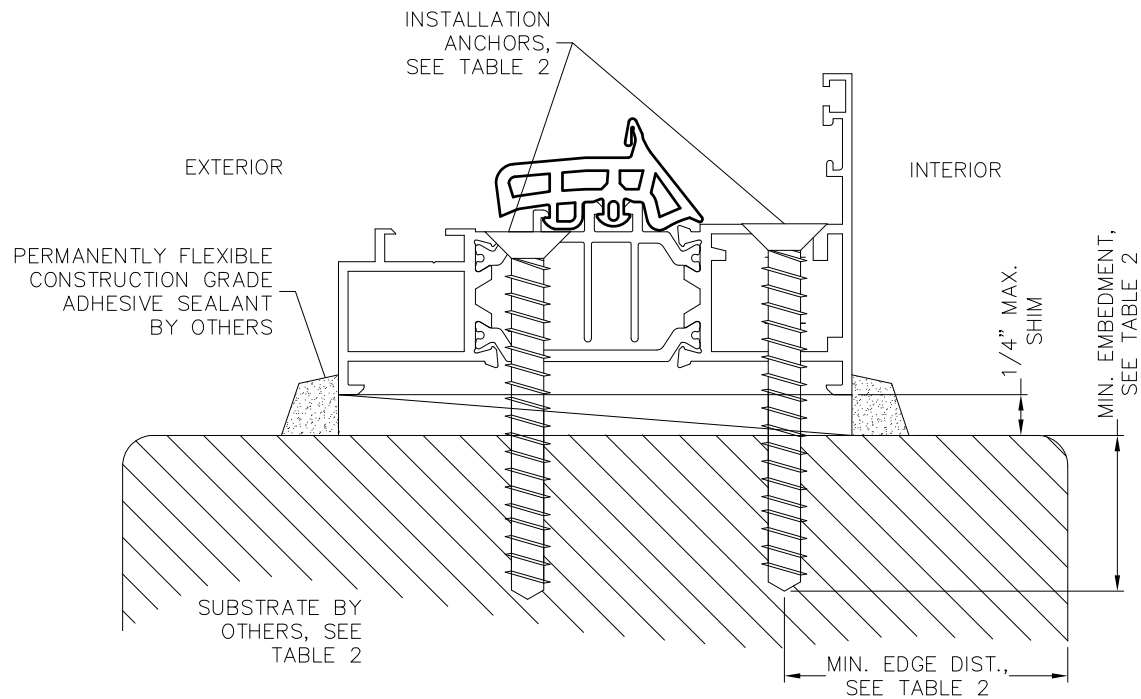
DRAWING #

FPA-AW-NI

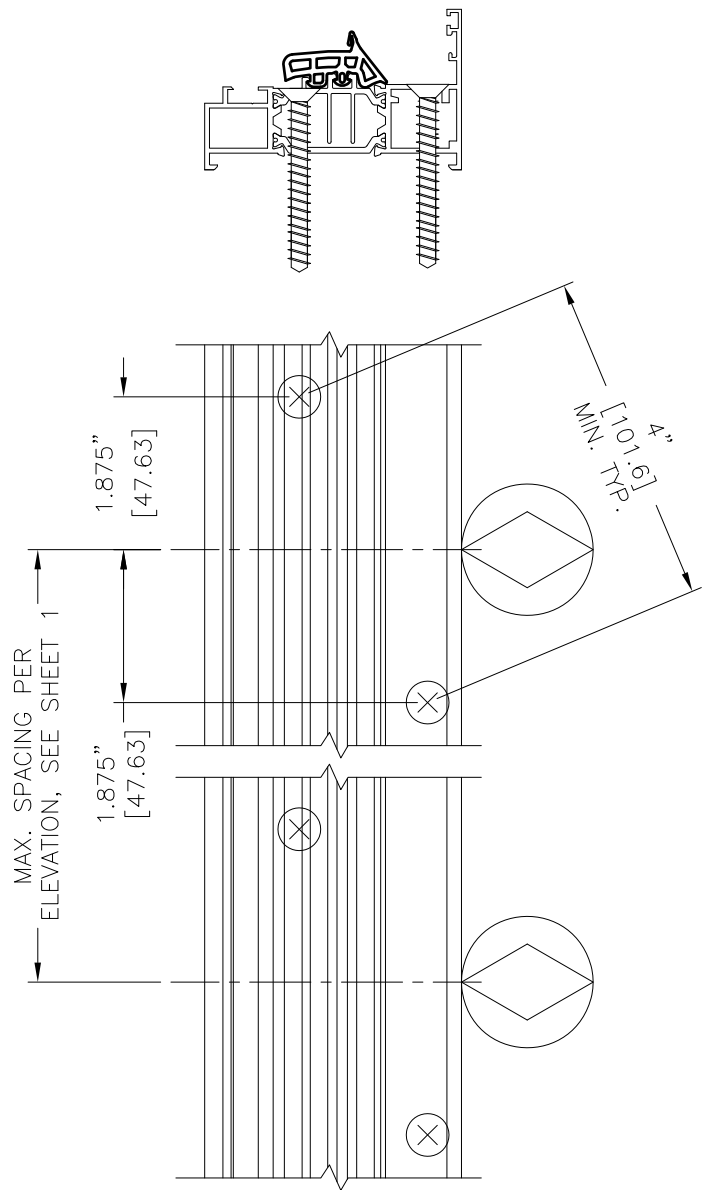
SHEET DESCRIPTION

SECTION
DETAILS

SHEET
2 of 4



TYPICAL INSTALLATION AT HEAD, SILL, AND JAMB



STAGGERED ANCHOR
PATTERN

TABLE 2: 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	1-1/4"	2-1/2"
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/8"	2-1/2"
HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRACON+	1-1/4"	2-1/2"
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 2).
 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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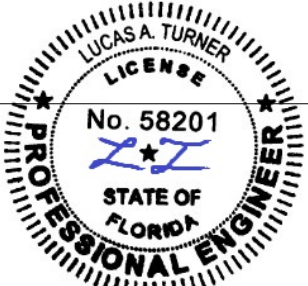
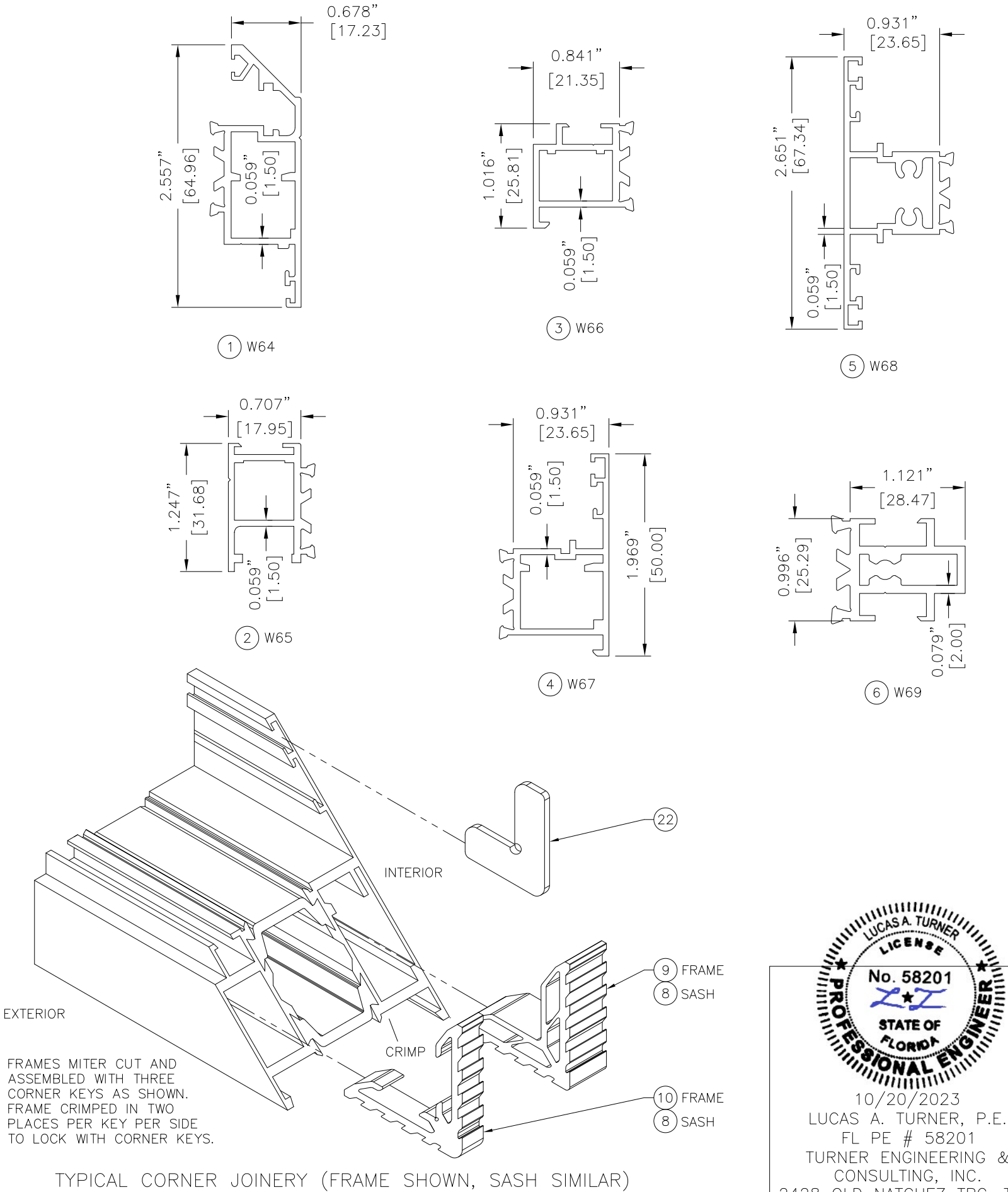
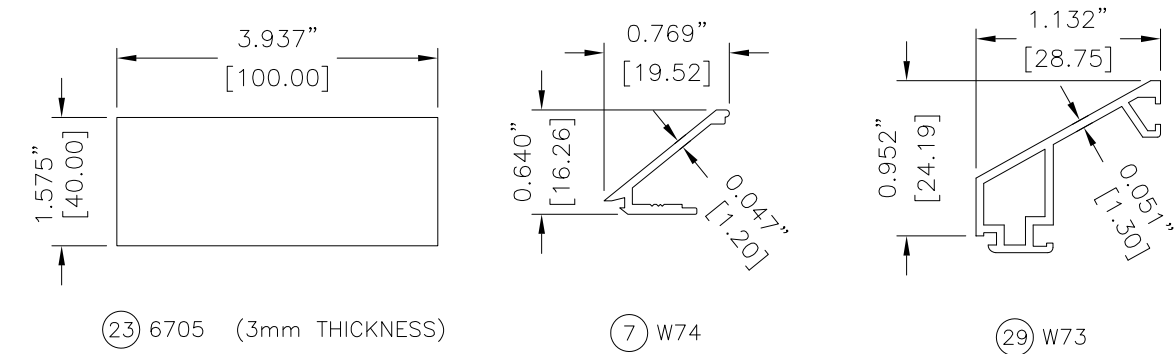
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SHEET DESCRIPTION	ANCHOR DETAILS, NOTES
SHEET	3 of 4

BILL OF MATERIALS

Detail Number:	Part Number:	Supplier:	Part Identification:	Material:
1	W64	CORTIZO	SASH OUTER PROFILE	ALUMINIUM 6063 T5
2	W65	CORTIZO	SASH INNER PROFILE	ALUMINIUM 6063 T5
3	W66	CORTIZO	FRAME OUTER PROFILE	ALUMINIUM 6063 T5
4	W67	CORTIZO	FRAME INNER PROFILE	ALUMINIUM 6063 T5
5	W68	CORTIZO	MULLION INNER PROFILE	ALUMINIUM 6063 T5
6	W69	CORTIZO	MULLION OUTER PROFILE	ALUMINIUM 6063 T5
7	W74	CORTIZO	SASH BEAD	ALUMINIUM 6063 T5
8	W75-14.4	CORTIZO	CLEAT 14.4	ALUMINIUM 6063 T5
9	W75-17.8	CORTIZO	CLEAT 17.8	ALUMINIUM 6063 T5
10	W76	CORTIZO	CLEAT 9.5	ALUMINIUM 6063 T5
11	WFHGSB103	ERA SECURITY	SAC BOLT	MILD ZINC AND CLEAR
12	WFHGSK201	ERA SECURITY	SAC BOLT KEEP	MILD ZINC AND CLEAR
13	B20DL	YALE	BLADE LOCK	ALUMINIUM
14	BK3460-01	YALE	BLADE LOCK KEEP	ALUMINIUM
15	ED16	YALE	HINGE	430 STAINLESS STEEL
16	4028	STAC	FRAME GASKET	EPDM
17	M-00793-M01	STAC	LOCKING CAVITY GASKET	EPDM
18	QL4636	SCHLEGEL	SASH GASKET	Q-LON
19	RP01164	STAC	CAVITY GASKET	EPDM
20	W488	PLASTECH	INTERNAL WEDGE GASKET	EPDM
21	B2018	PLASTECH	GLAZING GASKET	EPDM
22	99018	CORTIZO	CHEVRON FS	STAINLESS STEEL
23	6705	TP EXTRUSIONS	GLAZING PACKER	PVC
24	418500	CORTIZO	TECHNOFORM STRIP OVER	POLYAMIDE
25	418600	CORTIZO	TECHNOFORM STRIP UNDER	POLYAMIDE
26	418800	CORTIZO	TECHNOFORM STRIP OVER	POLYAMIDE
27	418700	CORTIZO	TECHNOFORM STRIP UNDER	POLYAMIDE
28				
29				
30				
31				



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SHEET DESCRIPTION

BOM, PART
DWGS, CORNER

SHEET
4 of 4