

GENERAL NOTES

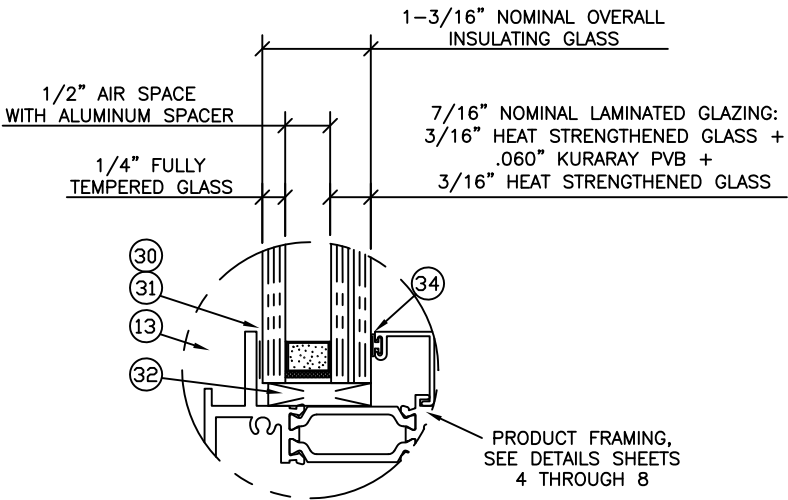
1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS SMALL MISSILE IMPACT RESISTANT, AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS).
2. THIS PRODUCT HAS BEEN TESTED TO ASTM E 283, ASTM E 330, ASTM E 331, ASTM E 547, ASTM E 1886, AND ASTM E 1996, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING CODE NOT INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. THE MULLED ASSEMBLY CONFIGURATION MAY BE INSTALLED IN UNLIMITED WIDTHS WITH ANY COMBINATION OF FIXED, CASEMENT, OR FIXED OVER PROJECT-OUT UNITS, PROVIDED THAT THE INDIVIDUAL PRODUCT SIZES, OVERALL HEIGHT, AND GLAZING SIZES AS INDICATED IN THE SAMPLE ELEVATION ON SHEETS 2 AND 3 ARE NOT EXCEEDED.
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED STRUCTURAL AND CYCLIC 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 USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO. ON-CENTER DISTANCE BETWEEN ANY TWO INSTALLATION FASTENERS OF 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.

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DESIGN PRESSURE TABLE

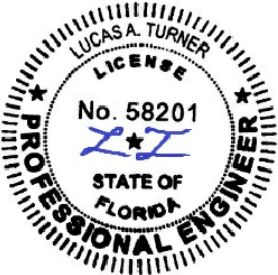
CONFIGURATION	MAX. D.L.O.	ALLOWABLE DESIGN PRESSURE	IMPACT RATING
MULLED ASSEMBLY	CASEMENT: 38-1/4" X 68-3/16" FIXED OVER PROJECT-OUT: FIXED - 41-3/8" X 34-1/4" VENT - 39" X 31-1/4" FIXED: 41-3/8" X 70-3/4"	+/-80 PSF	SMALL MISSILE IMPACT ASTM E 1996 WIND ZONE 4
FIXED OVER PROJECT OUT	FIXED - 59-9/16" X 61-3/4" VENT - 57-1/4" X 28-1/4"	+/-90 PSF	
PROJECT OUT	57-1/4" X 35-1/4"	+/-100 PSF	



TYP. GLAZING DETAIL

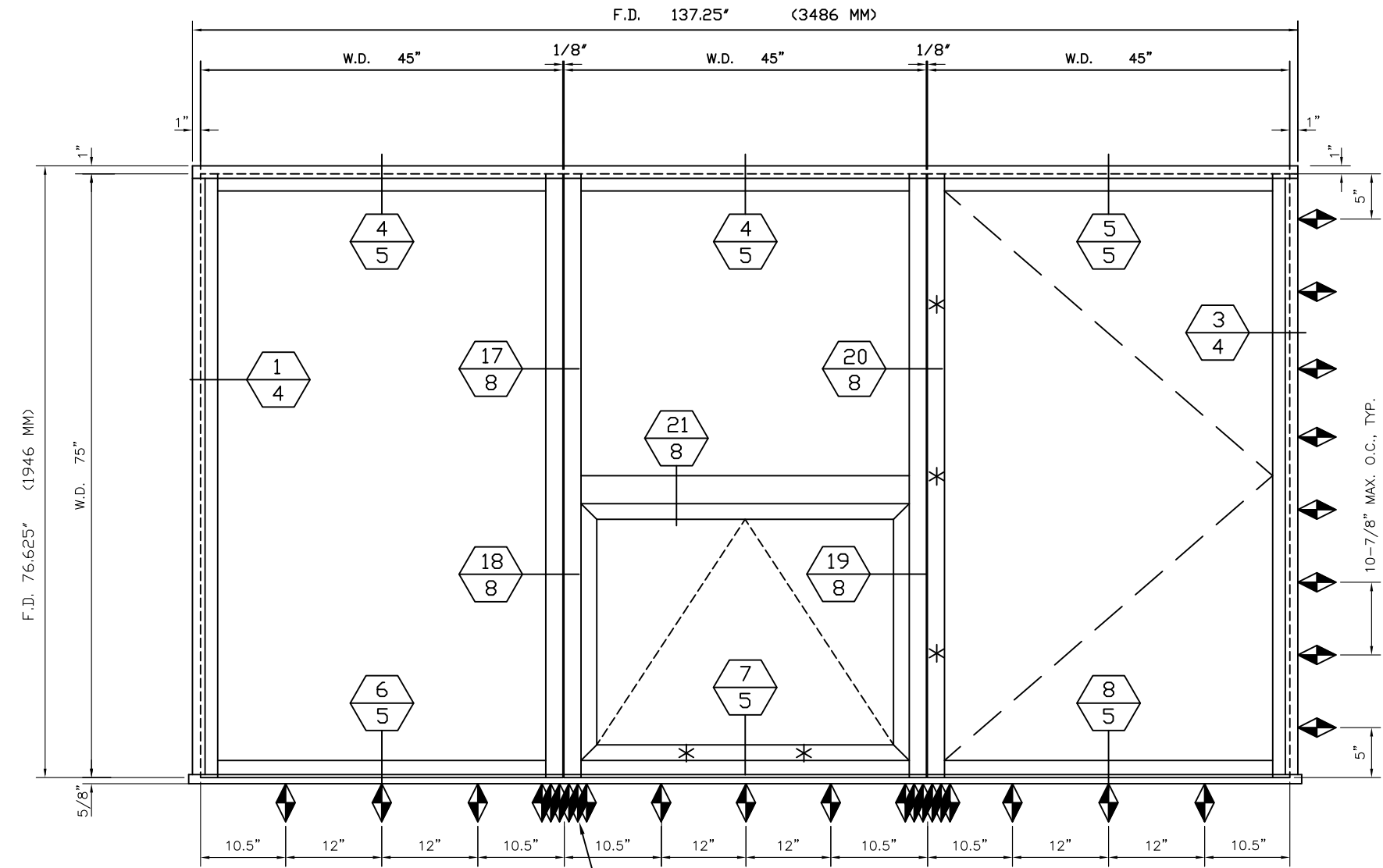
ITEM	PART #	DESCRIPTION	MFG.
1	4S58	SUBFRAME	EFCD
2	EN12	CLOSURE	EFCD
3	4S64	SILL STARTER	EFCD
4	2B22	FIXED HEAD/SILL	EFCD
5	2B22	FIXED JAMB	EFCD
6	2B44	PD FRAME	EFCD
7	2B34	PD FRAME	EFCD
8	2B27	PD VENT	EFCD
9	2I62	GLAZING BEAD	EFCD
10	FE19	INT. CORNER KEY 24B3 @ .384"	EFCD
11	FE18	EXT. CORNER KEY 24B3 @ .656"	EFCD
12	2B23	STACK FIXED FRAME	EFCD
13	----	OPTIONAL GRID	EFCD
14	20K7	FRAME ADAPTOR	EFCD
15	EF26	JAMB ADAPTOR	EFCD
16	2B25	MEETING RAIL	EFCD
17	HU92	CAM HANDLE	BRONZE CRAFT
18	HU91	CAM HANDLE	BRONZE CRAFT
19	MFH6	#10-24 X 3/8 PL-FH-MS 18-8	PRD FAS
20	HK74	STRIKE	BRONZE CRAFT
21			
22	LA15	4-BAR ARM	ADVANTAGE MFG.
23	STT5	#10-16 X 3/8 PL-TH-SMS 18-8	PRD FAS
24	HF14	FRICTION ADJUSTER	ADVANTAGE MFG.
25	HA57	BUTT HINGE	ADVANTAGE MFG.
26	MPD2	1/4"-20 X 1/2 PL-RH-MS 18-8	PRD FAS
27	MFM3	#10-24 X 3/8 PL-PH-MS 18-8	PRD FAS
28	HB32	LIFT BLOCK	BARTON PRODUCTS
29	SPZ1	#8-15 X 3/4 PL-PH-SMS 18-8	PRD FAS
30	JJ67	WET GLAZE SEALANT	SIKASIL
31	WM92	GLAZING DAM TAPE	REED RUBBER
32	HEQ6	GLAZING BLOCKS	EPG
33			
34	WA04	BULB VINYL	CENTRAL PLASTICS
35	WAB2	THERMAL STRUT	TECHNOFORM
36	STK2	#10-16 X 1 PL-PH_SMS 18-8	PRD FAS
37	WNA3	DRIVE-IN GASKET	CENTRAL PLASTICS
38	----	SILICONE SEALANT	----
39			
40	FD25	.062 ALUM. END DAM	EFCD
41	H071	END DAM GASKET	REED RUBBER
42	STC6	#6-18 X 3/8 PL-TH-SMS 18-8 A	PRD FAS
43	STC7	#6-18 X 3/8 PL-PH-SMS 18-8 A	PRD FAS
44	2B60	STACK FRAME	EFCD
45	20F6	FIXED LITE ADAPTOR	EFCD
46	STK0	#8-16 X 1	PRD FAS
54	----	INSTALL ANCHOR, SEE TABLE 1, SHEET 4	
59	KA24	F-ANCHOR 1880 @ 2"	EFCD
60	----	SUBSTRATE BY OTHERS, SEE TBL 1, SHT 4	

Lucas Turner
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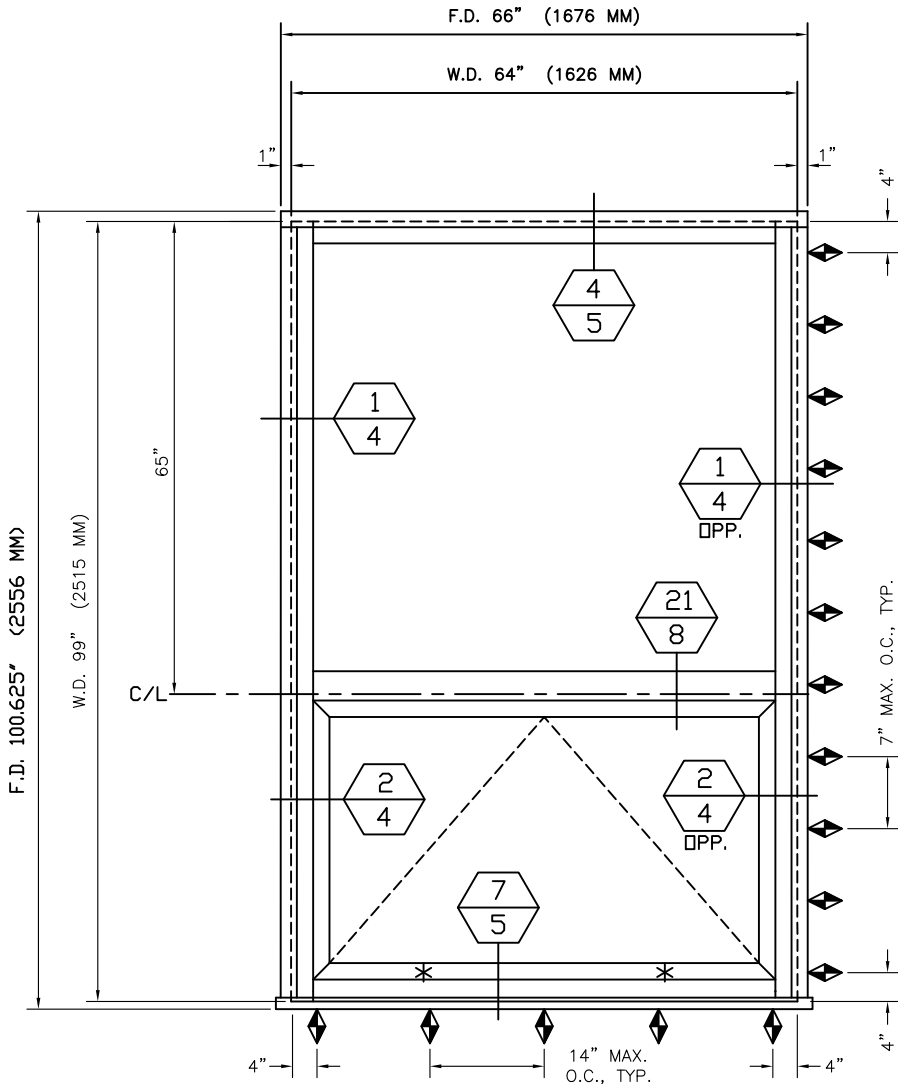
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SUBFRAME INSTALLATION



CLUSTER OF (6) INSTALLATION ANCHORS (SEE TABLE 1, SHEET 4)
AT MULLIONS, TYP. 2" O.C. CONCRETE, 1" O.C. WOOD OR METAL.

SAMPLE ELEVATION - MULLED ASSEMBLY

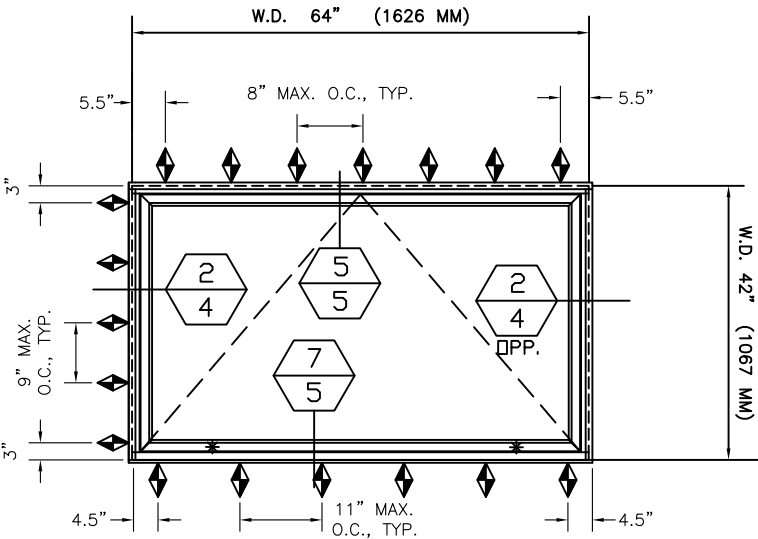


ELEVATION - FIXED OVER PROJECT-OUT

* DENOTES LOCK LOCATION

◆ DENOTES THROUGH-SUBFRAME INSTALLATION ANCHOR LOCATION, ONE ANCHOR PER LOC., SEE TABLE 1, SHEET 4

NOTE: ANCHOR SPACING AND ARE THE SAME ON BOTH JAMBS AND THE SAME ON HEAD/SILL UNLESS OTHERWISE SHOWN.

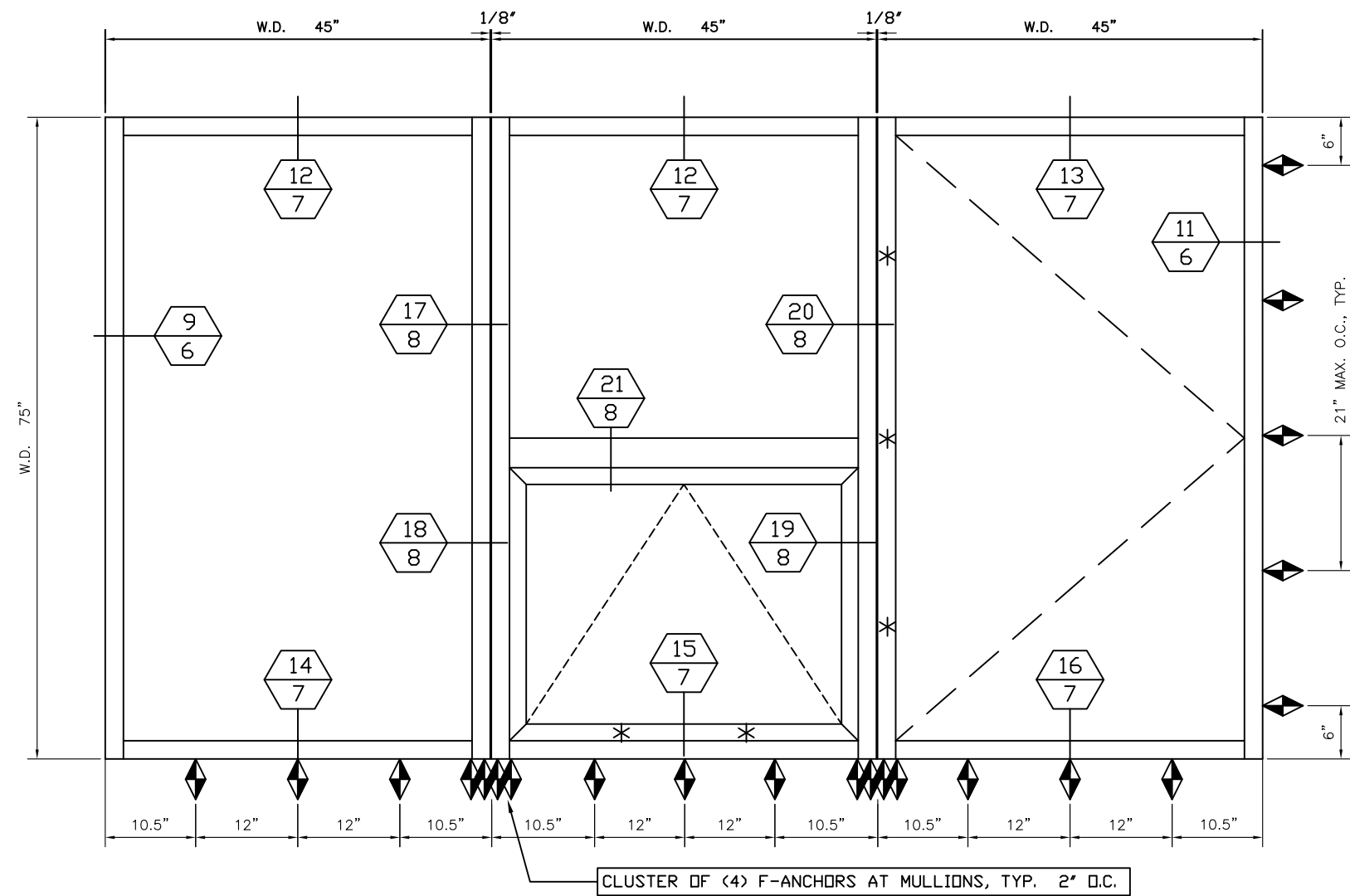


ELEVATION - PROJECT-OUT

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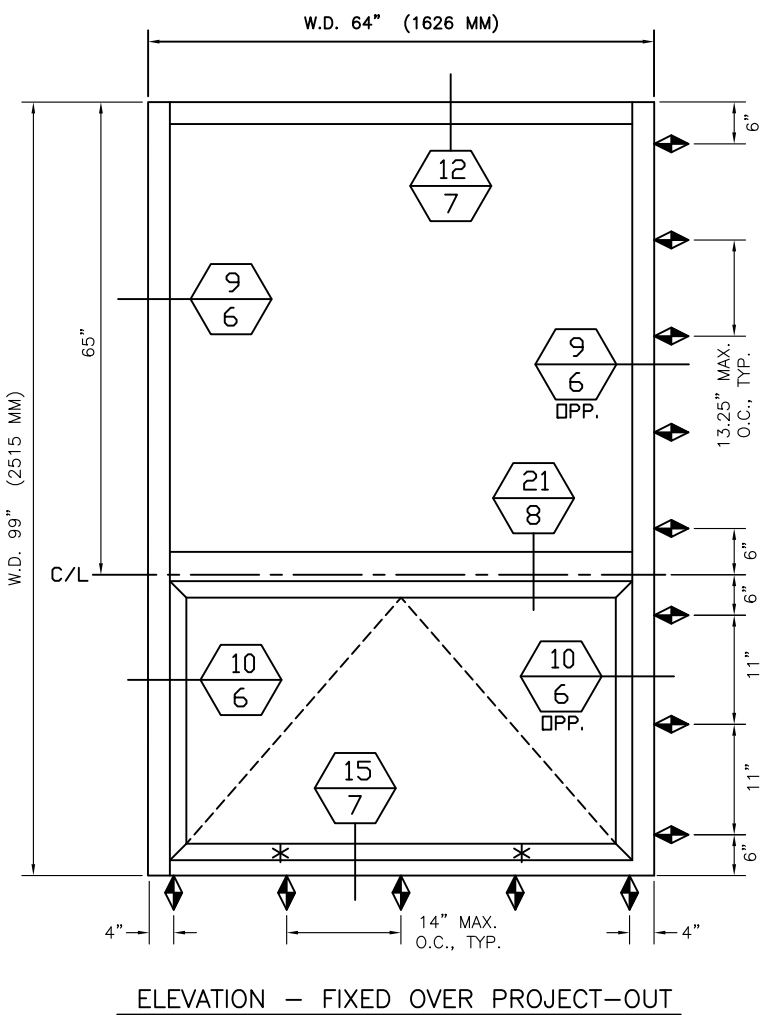


F-ANCHOR INSTALLATION

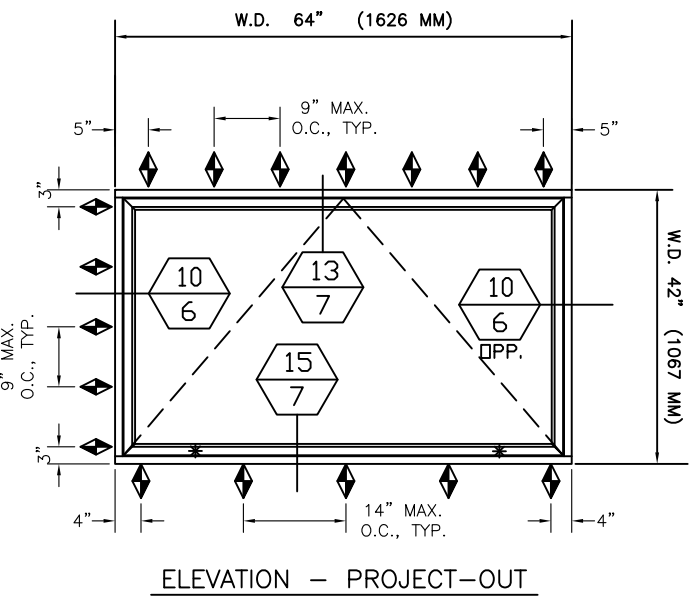


SAMPLE ELEVATION - MULLED ASSEMBLY

- * DENOTES LOCK LOCATION
- ◆ DENOTES F-ANCHOR LOCATION (TO CENTER OF F-ANCHOR). TWO INSTALLATION ANCHORS PER F-ANCHOR, SEE TABLE 1, SHEET 4
- NOTE: ANCHOR SPACING IS THE SAME ON BOTH JAMBS, AND THE SAME ON HEAD/SILL UNLESS OTHERWISE SHOWN.



ELEVATION - FIXED OVER PROJECT-OUT



ELEVATION - PROJECT-OUT

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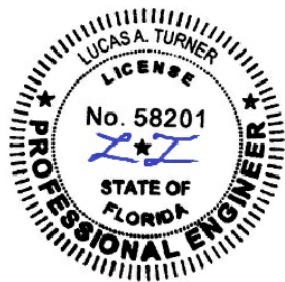
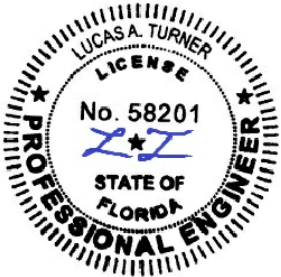
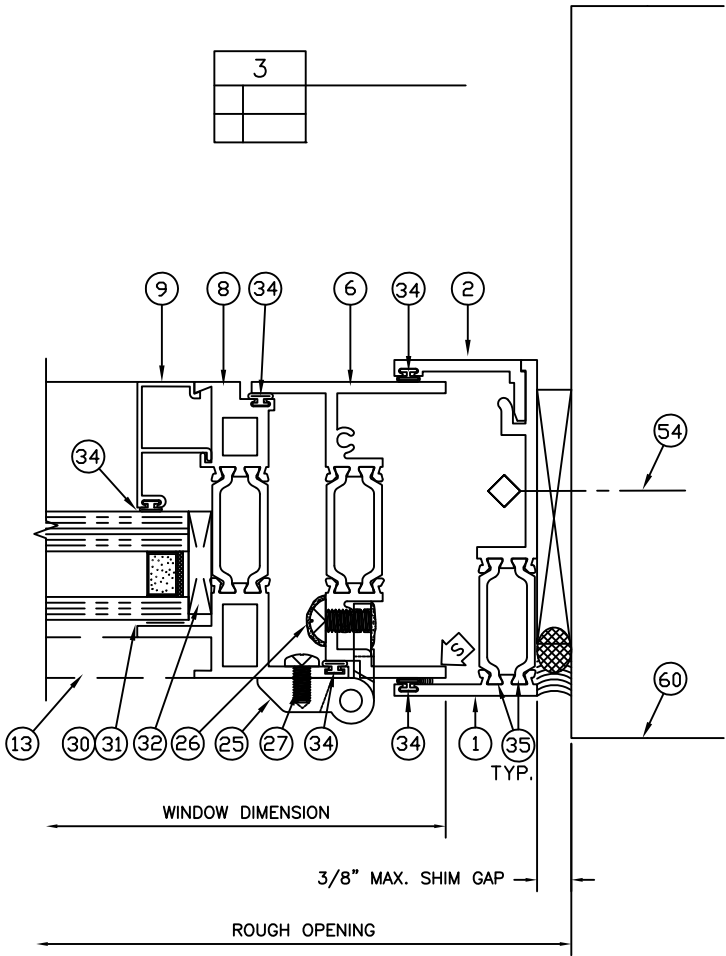
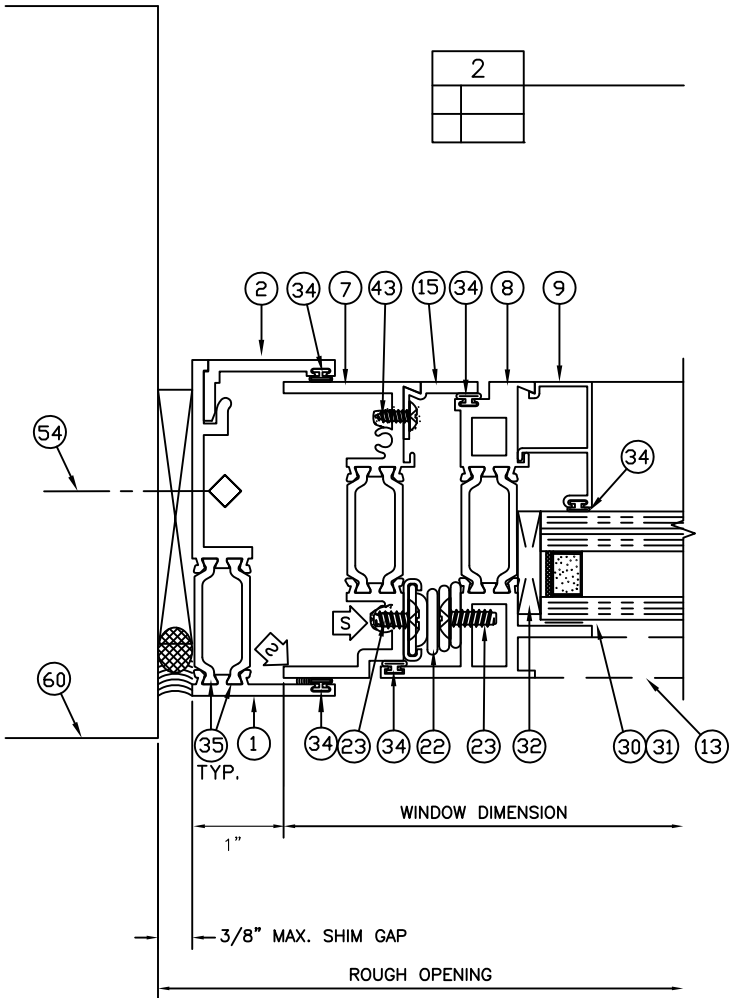
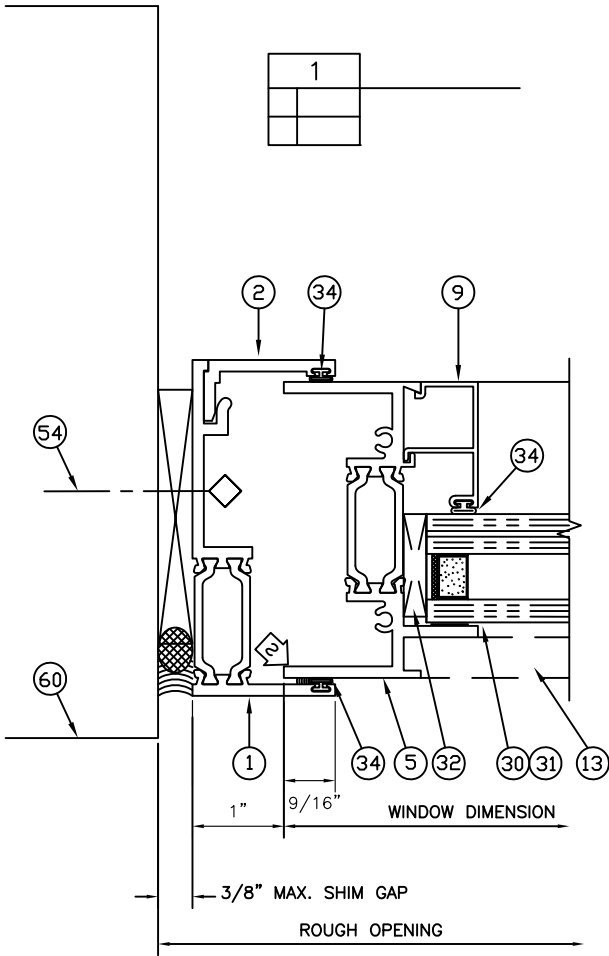


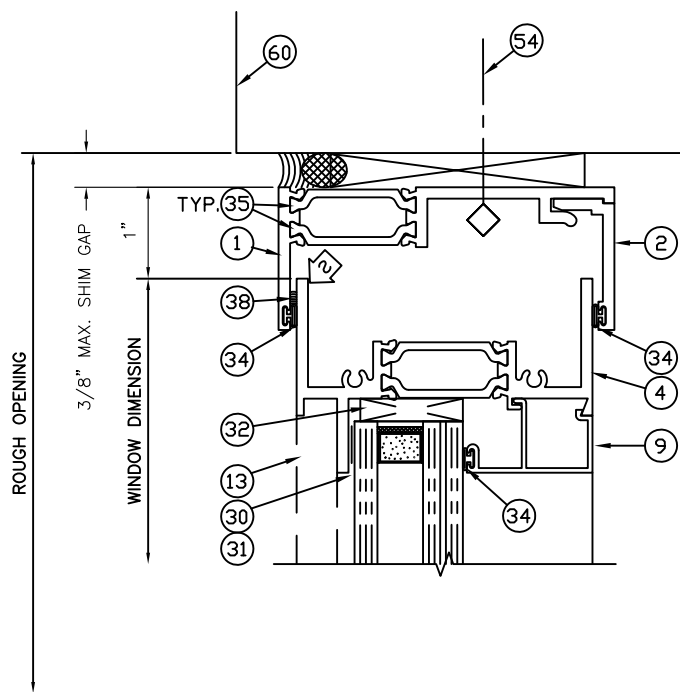
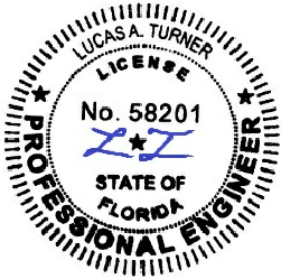
TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
JAMBS ONLY: CMU MASONRY (ASTM C-90)	1/4" DEWALT ULTRACON+	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#14 GRADE 5 WOOD SCREW	1-1/2"	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"



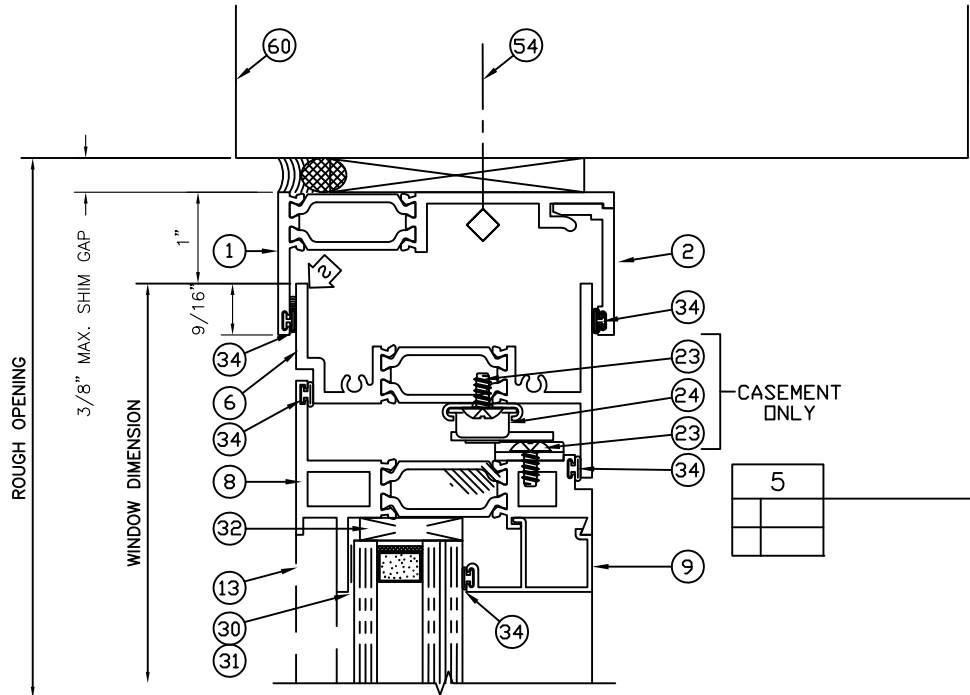
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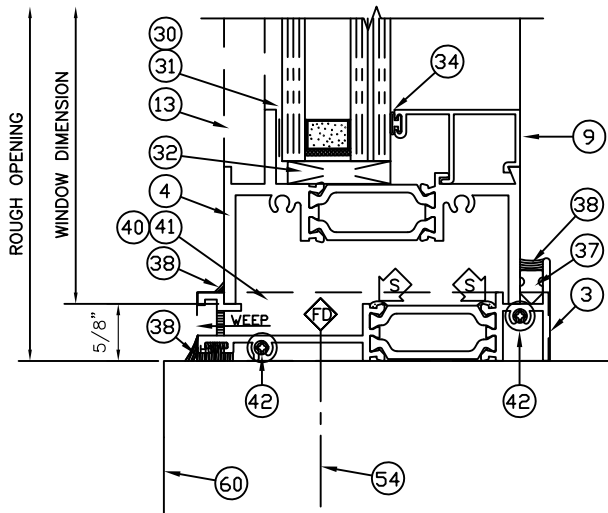
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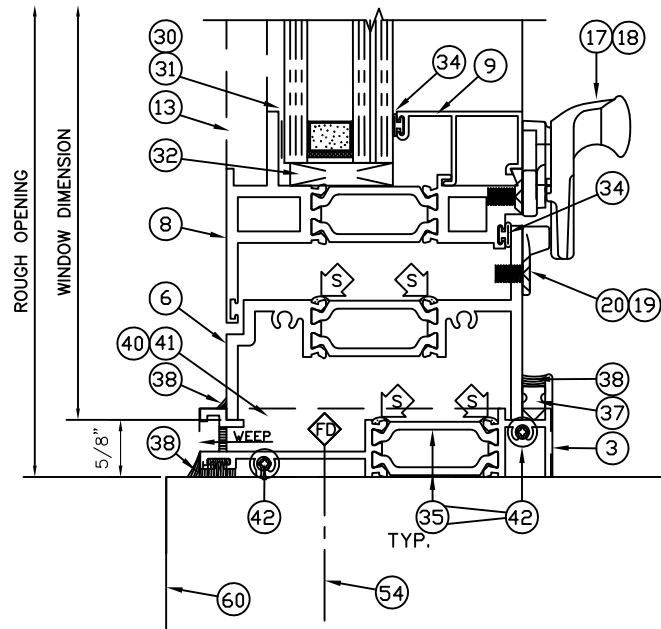
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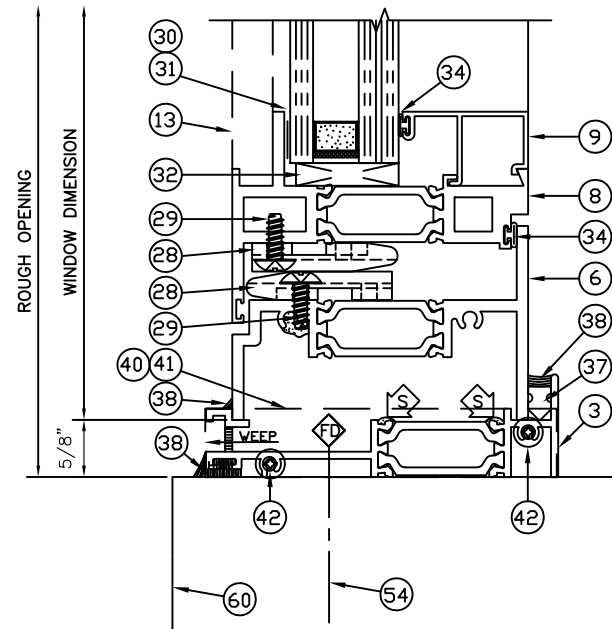
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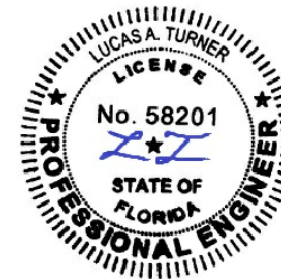


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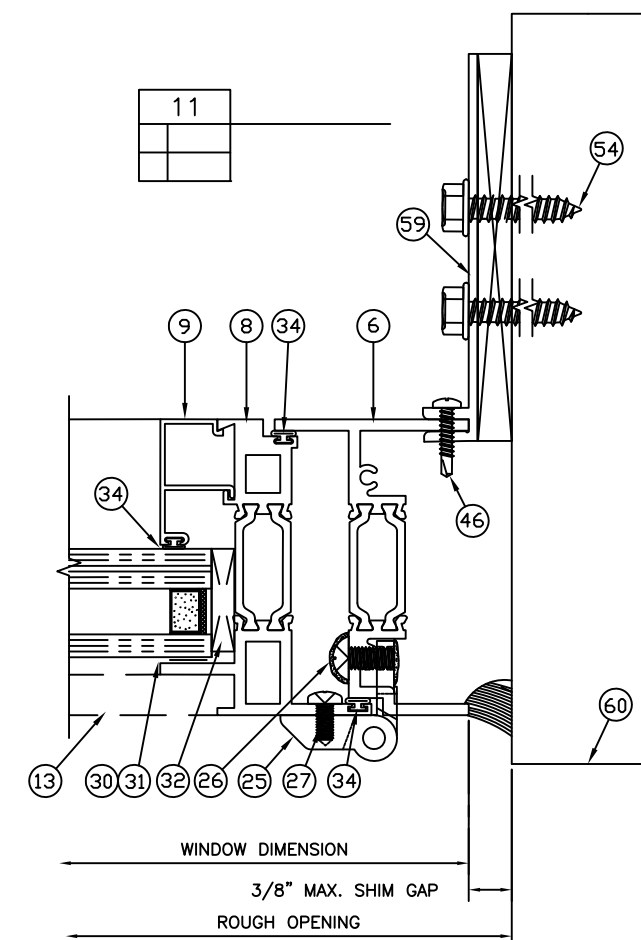
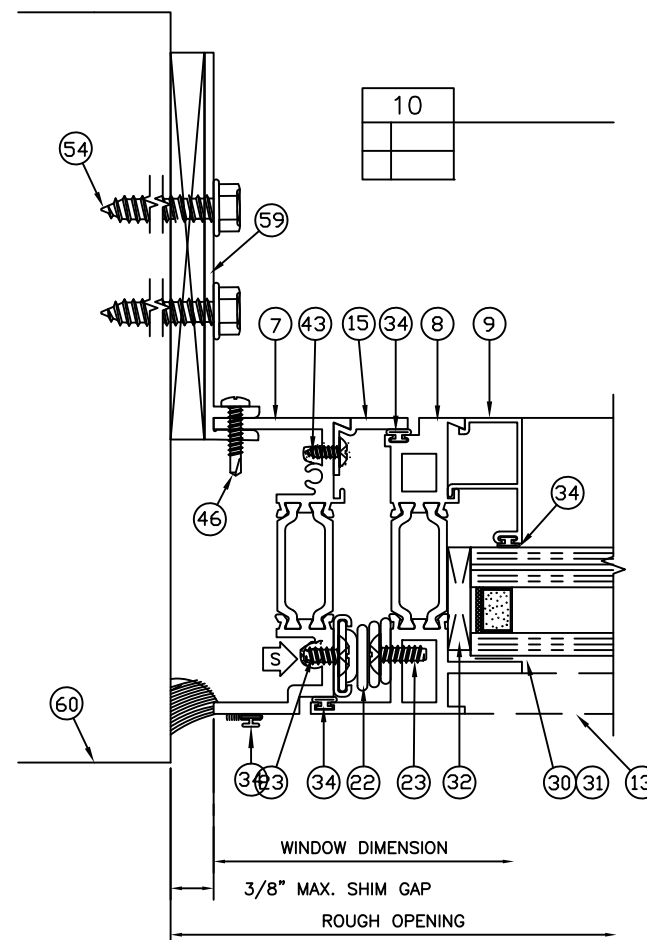
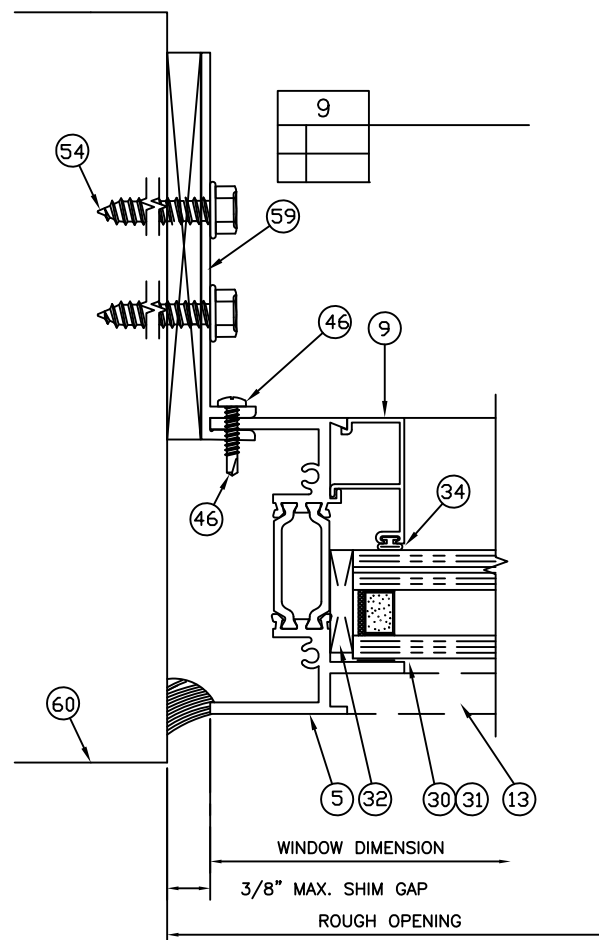
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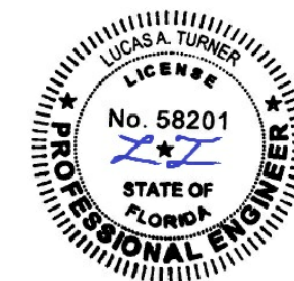


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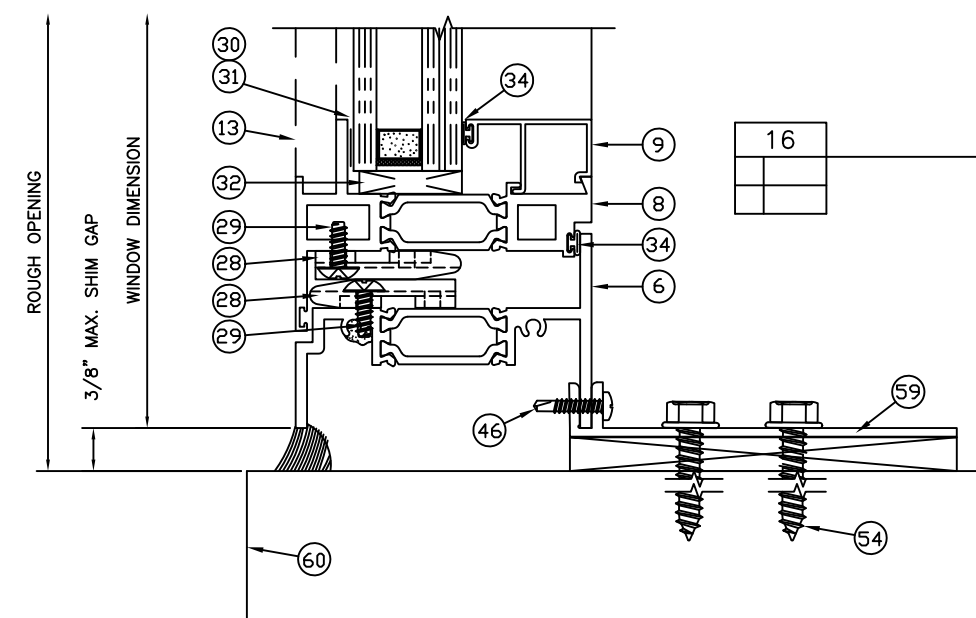
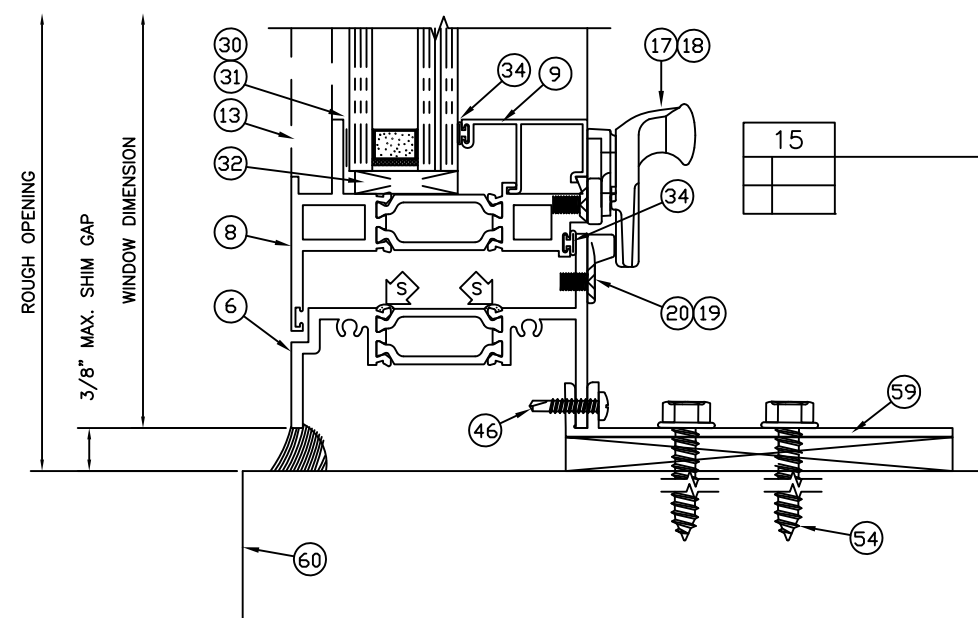
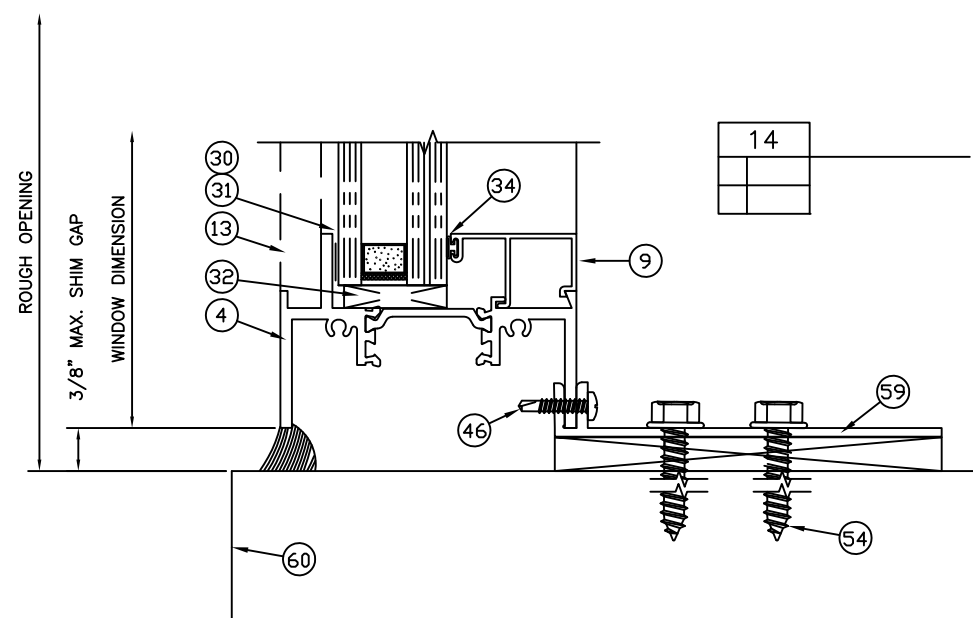
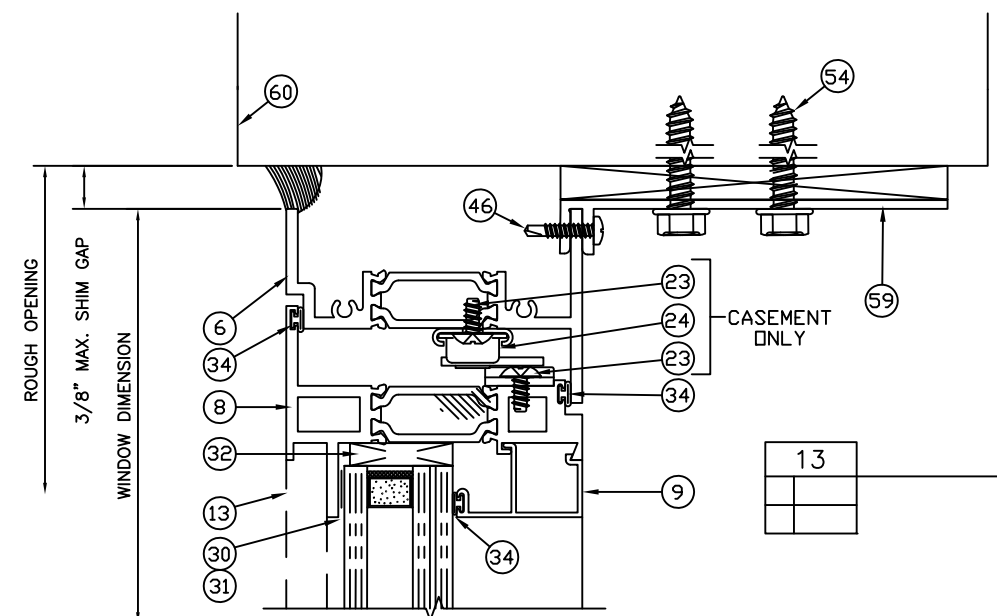
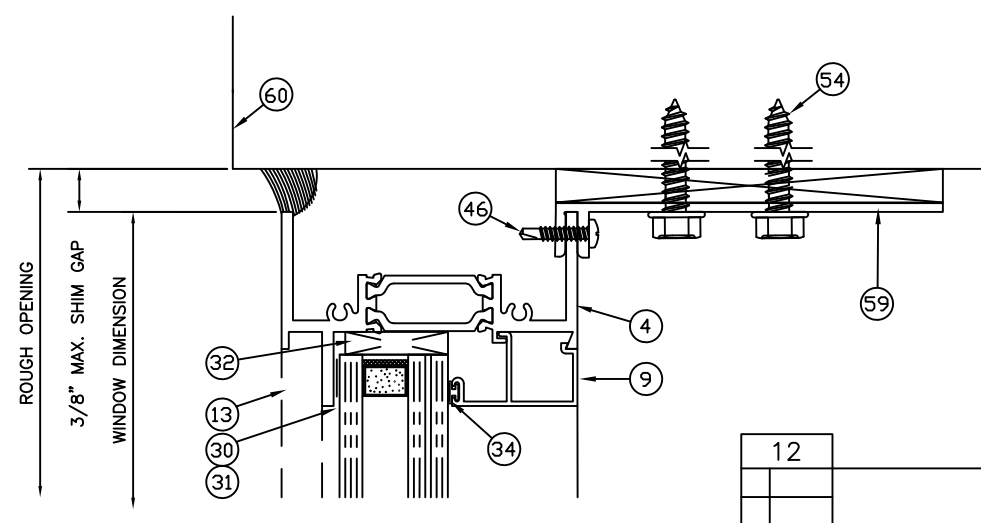
NOTE: TWO INSTALLATION FASTENERS REQUIRED PER F-ANCHOR. LOCATE FASTENERS TO ENSURE 2" MIN. ON-CENTER SEPARATION BETWEEN FASTENERS, AND 3/8" MIN. EDGE DISTANCE FROM CENTER OF FASTENER TO EDGE OF F-ANCHOR



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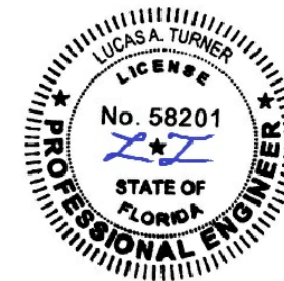
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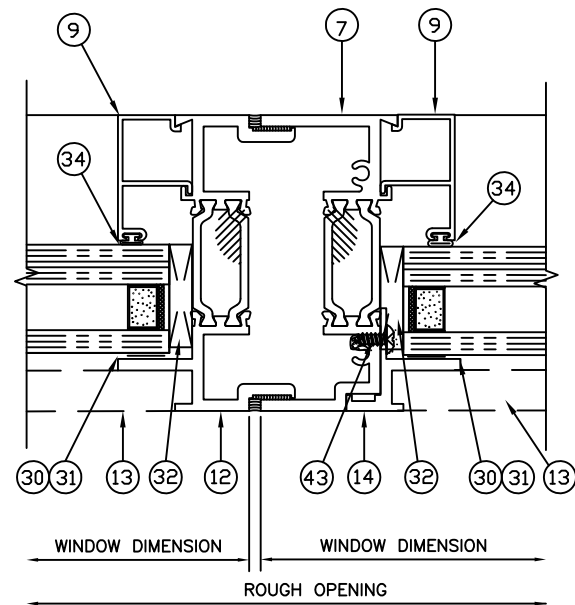
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325G WZ4 LEVEL A IMPACT

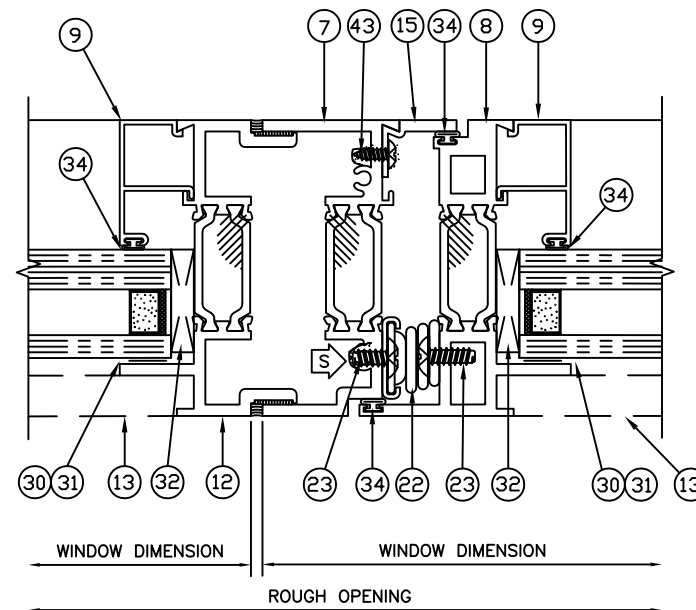
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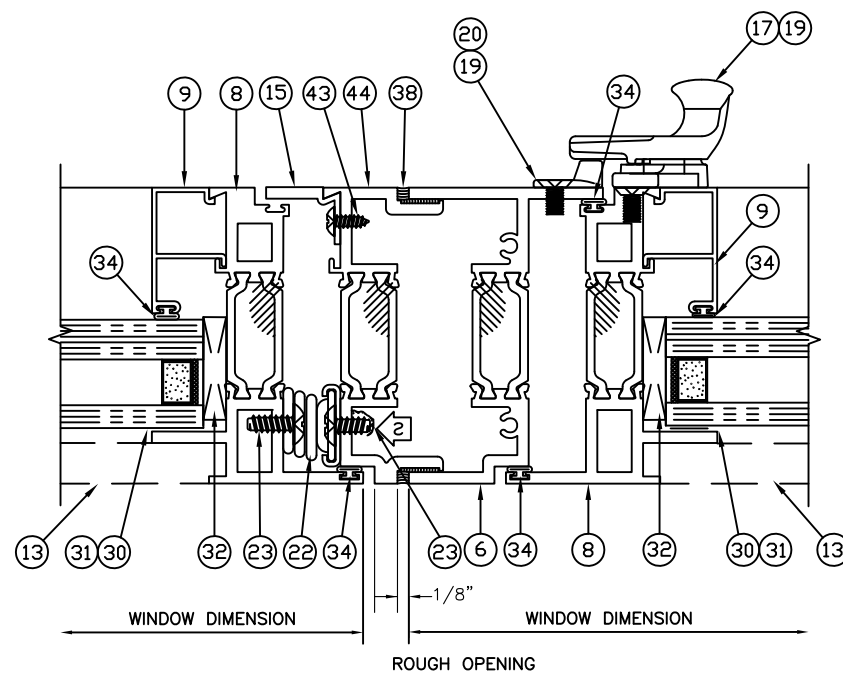
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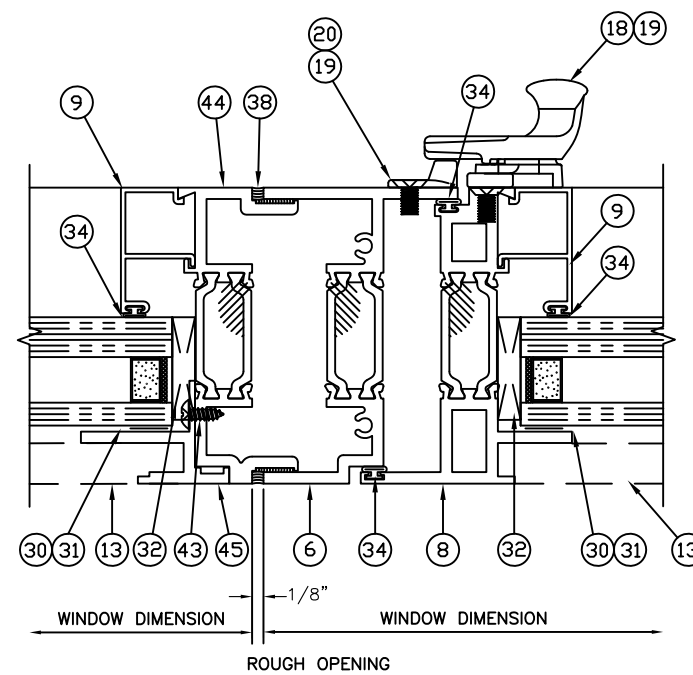
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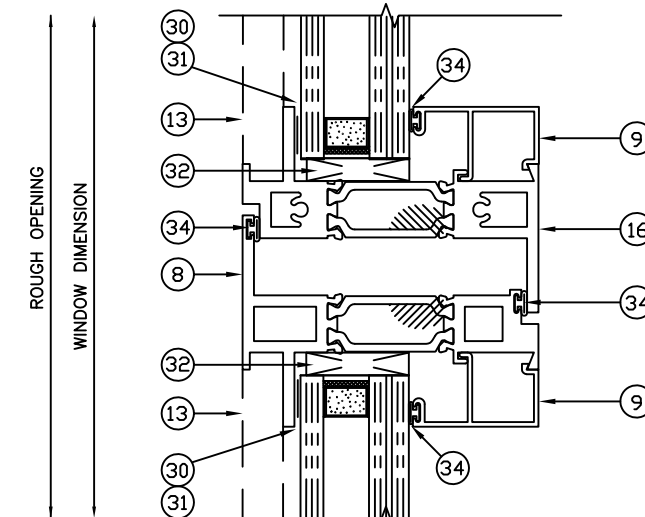
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