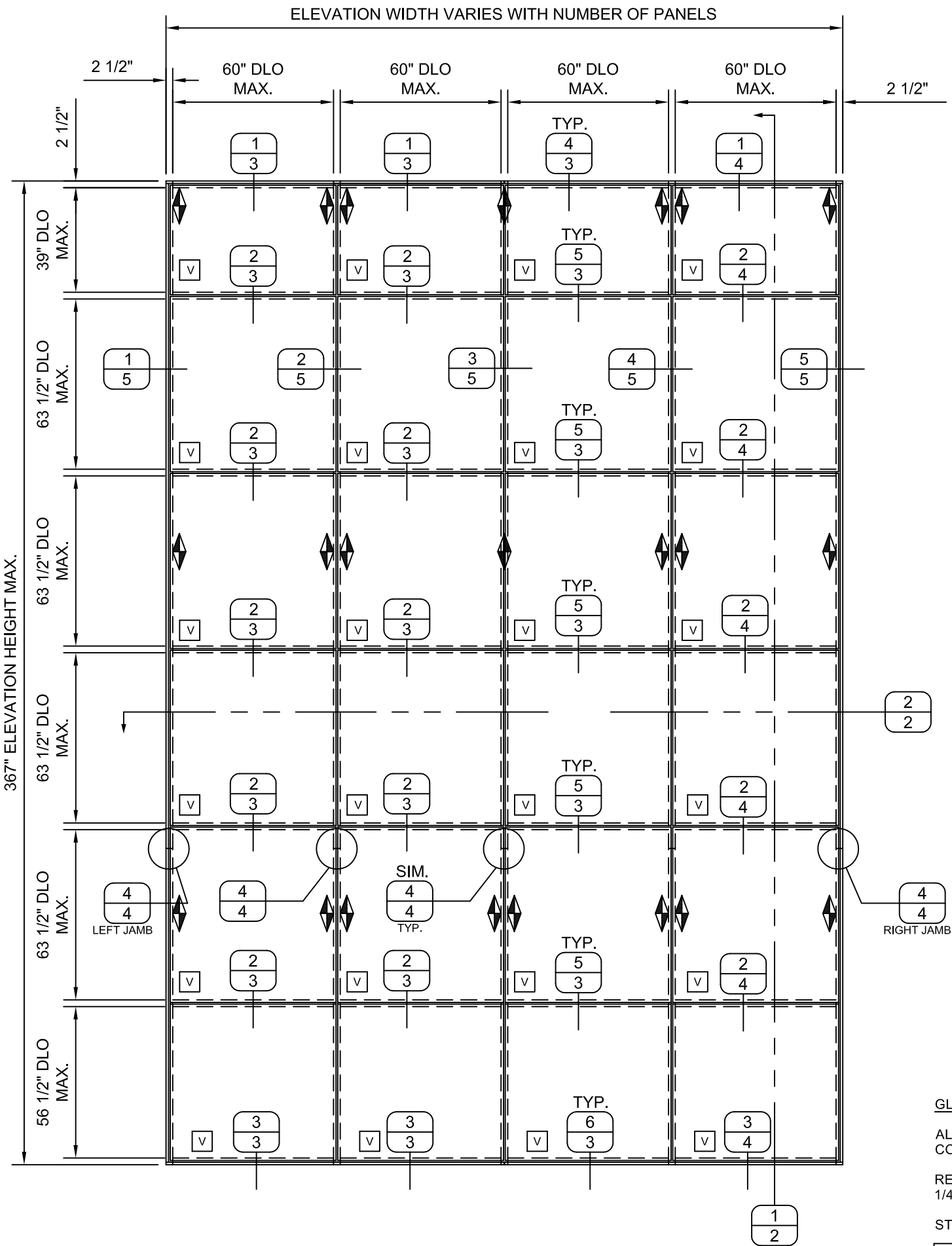




ALLOWABLE DESIGN PRESSURE = +40/- 40 PSF

GENERAL NOTES

1. THIS CURTAIN WALL SYSTEM HAS BEEN TESTED TO ASTM E283, ASTM E330, ASTM E331, AAMA 501.1, AND AAMA 501.5, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION, OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. THE INSTALLED CURTAIN WALL SYSTEM SHALL BE FABRICATED, GLAZED, AND ANCHORED IN ACCORDANCE WITH THIS DRAWING AS WELL AS THE APPLICABLE TEST REPORTS. A FLORIDA LICENSED ENGINEER FAMILIAR WITH CURTAIN WALL DESIGN SHALL APPROVE SHOP DRAWINGS FOR EACH PROJECT, AND THIS ENGINEER OF RECORD SHALL TAKE FULL RESPONSIBILITY FOR THE INSTALLED SYSTEM DESIGN AS A WHOLE WHILE MAKING SURE THAT THE LIMITATIONS INDICATED IN THIS DRAWING HAVE NOT BEEN EXCEEDED.
3. THIS DRAWING INDICATES VARIOUS APPROVED GLAZING METHODS AND FRAMING TYPES WHICH MAY BE USED SINGLY OR IN COMBINATION FOR EACH PROJECT. ANY NUMBER OF PANELS MAY BE USED HORIZONTALLY PROVIDED THE MAXIMUM DLO SIZES AS INDICATED IN THIS DRAWING ARE NOT EXCEEDED.
4. THIS PRODUCT IS NON-IMPACT AND REQUIRES THE USE OF APPROVED SHUTTERS IN WINDBORNE DEBRIS AREAS.
5. REQUIRED DESIGN PRESSURES SHALL BE DETERMINED FOR EACH PROJECT IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND GOVERNING WIND SPEEDS FOR THE PROJECT LOCATION.
6. THE ALLOWABLE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED PRESSURES.
7. DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING BUT NOT LIMITED TO FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SUBSTRATES OR ALUMINUM, SHALL BE COATED OR OTHERWISE PROTECTED PER FBC REQUIREMENTS TO PREVENT CORROSION OR GALVANIC REACTIONS.
8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT IS NOT WITHIN THE SCOPE OF THIS APPROVAL AND SHALL BE THE RESPONSIBILITY OF OTHERS.
9. THE 4/3 ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF WOOD SUBSTRATE.
10. STRUCTURAL INTEGRITY OF SUBSTRATE MATERIALS TO RECEIVE THE LOADS FROM THIS PRODUCT, AND INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE, TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
11. THIS PRODUCT SHALL BE INSTALLED USING ONE OF THE APPROVED FASTENING OR WELDING METHODS INDICATED IN THIS DRAWING, AS APPROPRIATE FOR THE SUBSTRATE TYPE. WELD SIZES AND LOCATIONS FOR INTERMEDIATE ANCHORS SHALL BE AS INDICATED IN THE DETAILS FOR EACH CLIP TYPE, AND FOR L-ANCHORS THE ANCHOR SIZE, EMBEDMENT, EDGE DISTANCE, AND PATTERN WITHIN THE CLIP SHALL BE IN ACCORDANCE WITH TABLE 1 ON THIS SHEET AND APPLICABLE DETAILS.
12. MINIMUM ANCHOR EMBEDMENTS LISTED IN THIS DRAWING SHALL BE BEYOND WALL DRESSING OR STUCCO AND FULLY INTO SUBSTRATE.
13. SUBTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED. 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.

TABLE 1: L-ANCHOR CLIPS APPROVED INSTALLATION ANCHORS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
A	CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON	1 1/2"	4"
B	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
C	WOOD (MIN. G=0.55)	#14 GRADE 5 WOOD SCREW	1-1/2"	1"
D	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#14 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE NOTE 13	1/2"

INSTALL ANCHORS IN PATTERNS AS INDICATED ON SHEET 9

FRAME CORNER & MID-RAIL END CONSTRUCTION

CORNERS/ENDS: THE VERITICAL FRAME MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT & BUTTED TO THE VERTICAL FRAME MEMBER. THE VERTICAL MEMBERS ARE FASTENED TO THE HORIZONTAL MEMBERS WITHFOUR(4) #12-14 X 1" HWH TYPE AB SCREWS INTO THE HORIZONTAL SCREW SPLINE. EACH CORNER IS SEALED WITH DOW 795 SILICONE SEALANT.

GLAZING NOTE

ALL GLASS TO BE CLEAR TEMPERED. UNIT TO BE STRUCTURAL SILICONE SEALED AND GLASS SEALS TO BE SILICONE COMPATIBLE.

RECESS SPACER GLASS TYPE (RS TYPE) = 1 1/8" GLASS TO BE 2 PIECES OF 1/4" TEMPERED WITH A 5/8" AIR SPACE & 1 1/4" RECESSED BLACK SPACER

STANDARD STRUCTURAL SILICONE GLAZED TYPE (SSG TYPE)= 1" GLASS TO BE 2 PIECES OF 1/4" WITH A 1/2" AIR SPACE

☒ INSULATING CLEAR TEMPERED VISION GLASS UNITS



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PH. 941-380-1574

Lucas Turner
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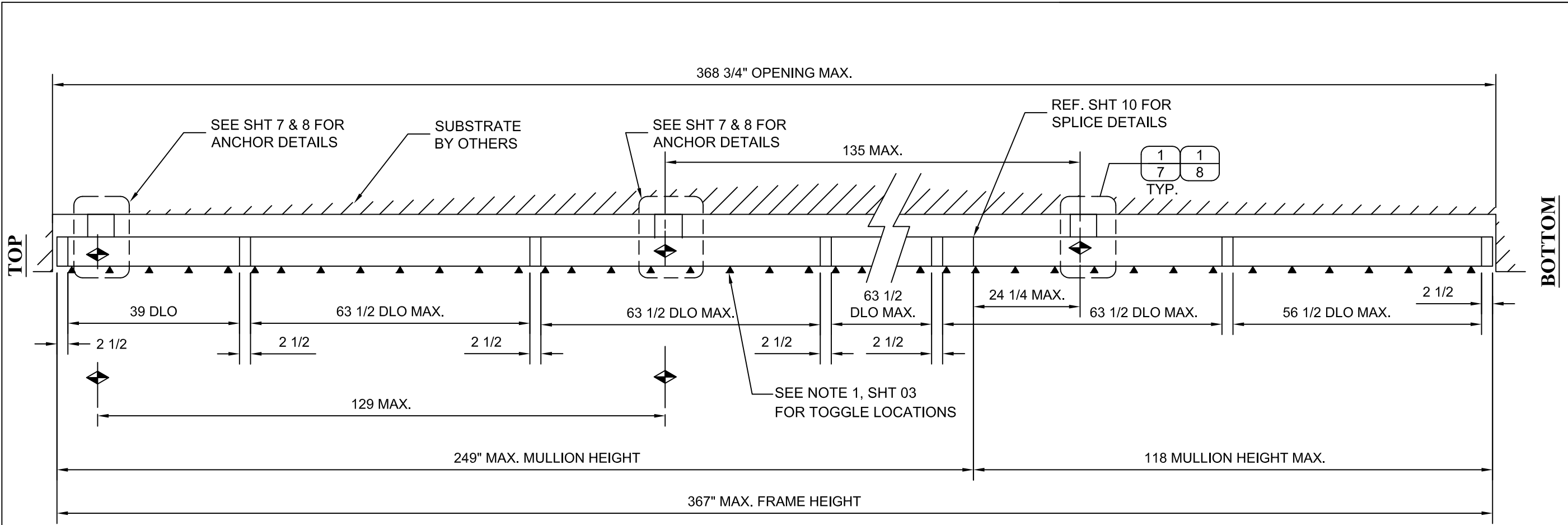


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CLEARWALL
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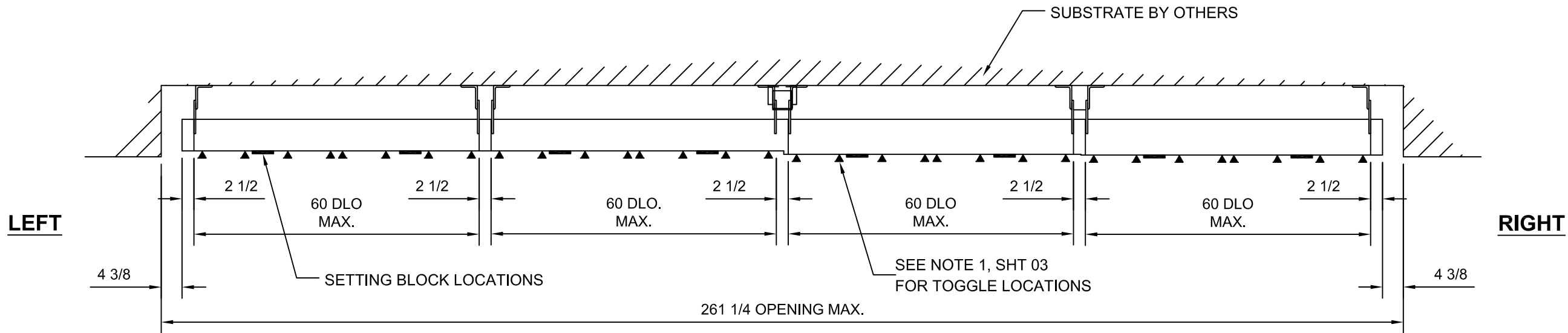
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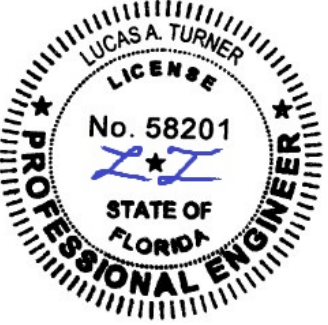
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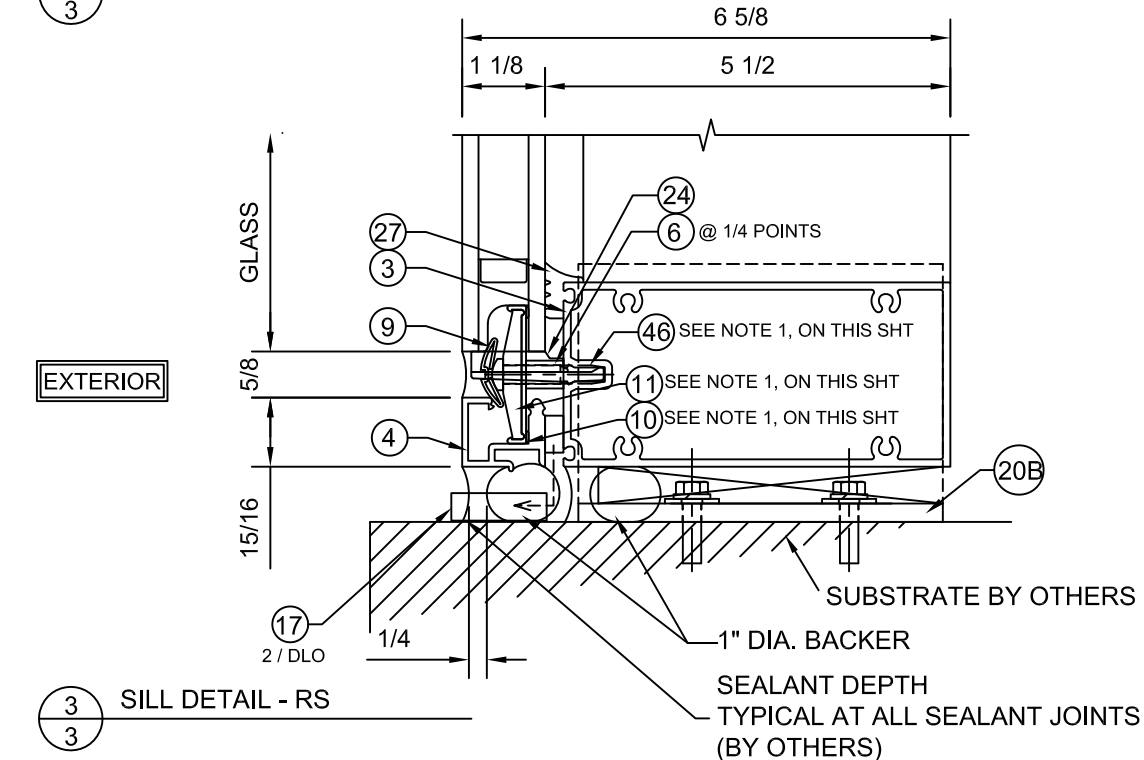
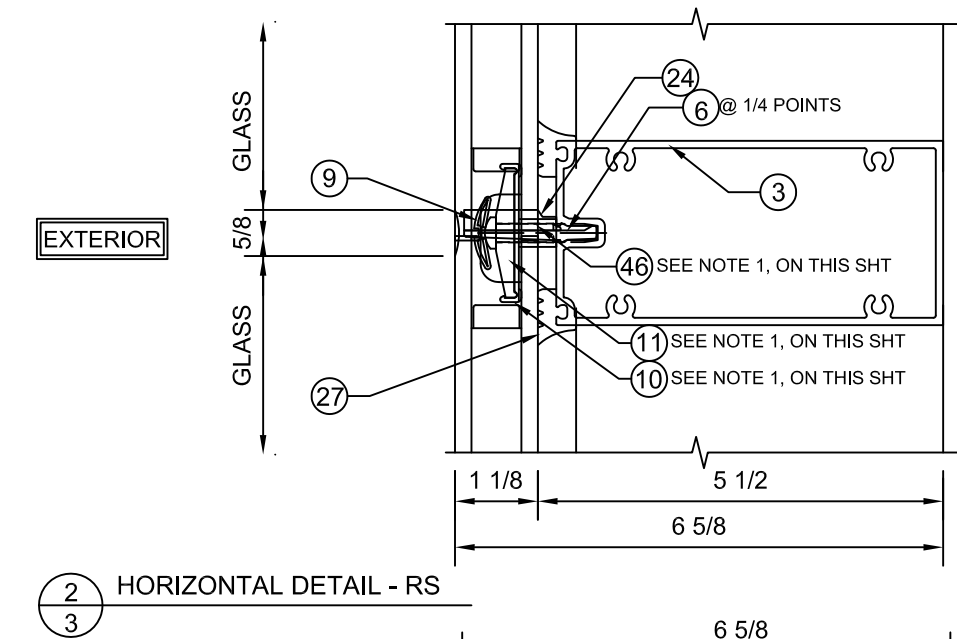
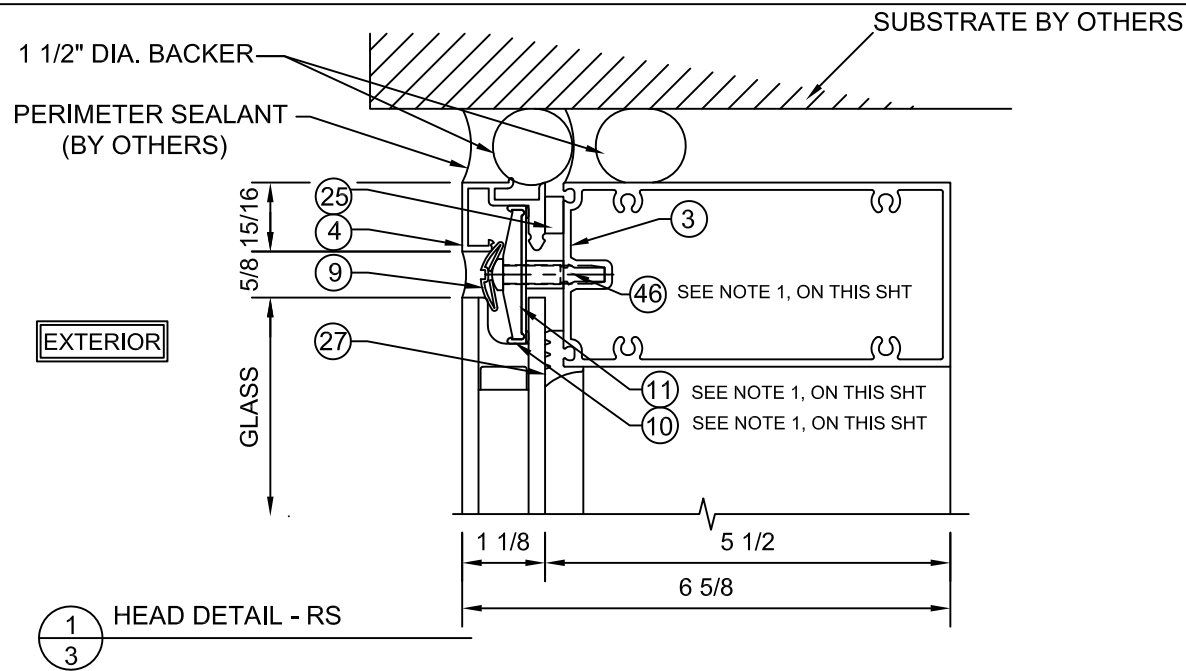
VERTICAL SECTION



2
2

HORIZONTAL - SECTION

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1	8/17/2023	2023 FBC UPDATE
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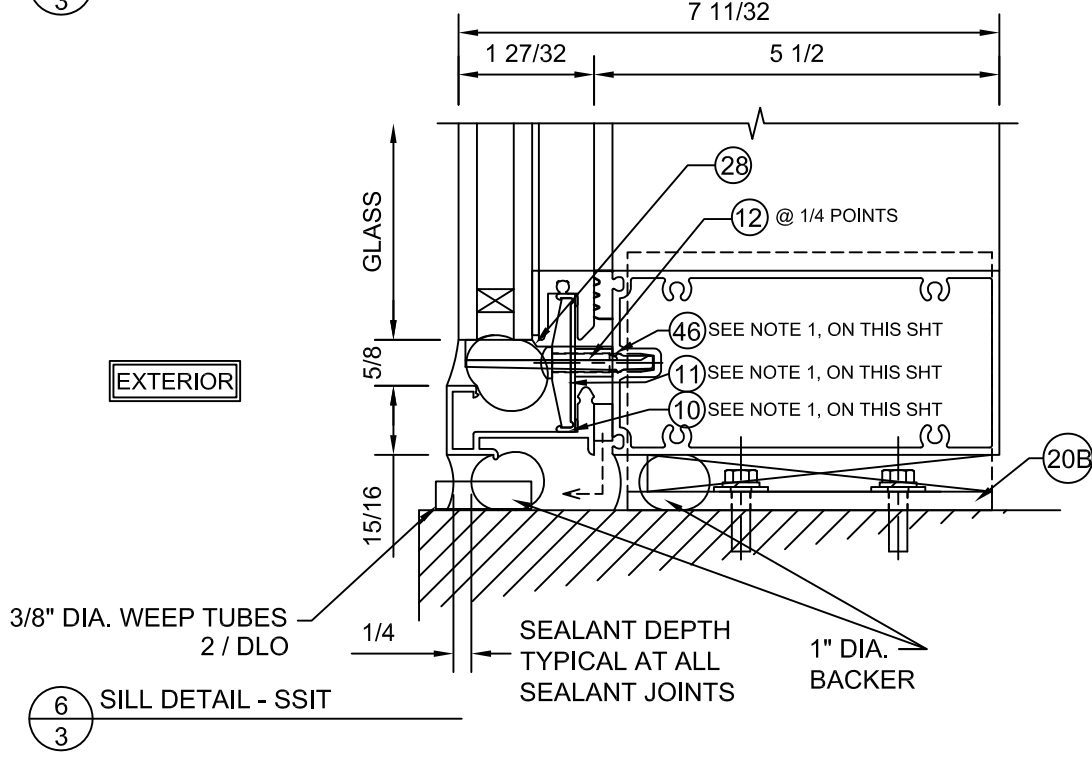
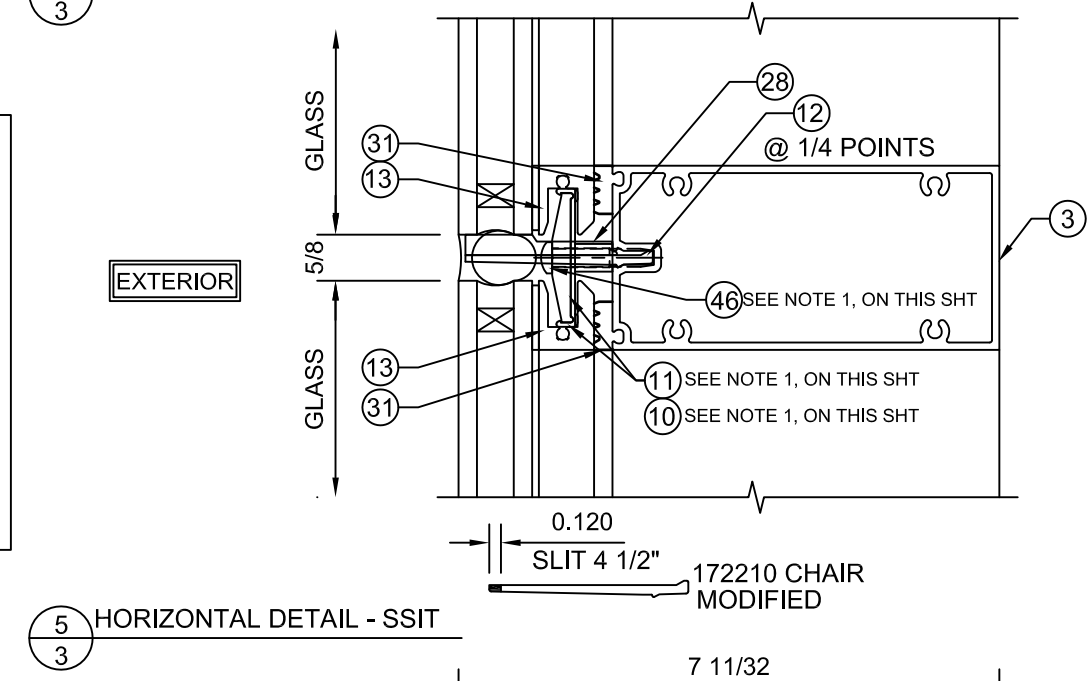
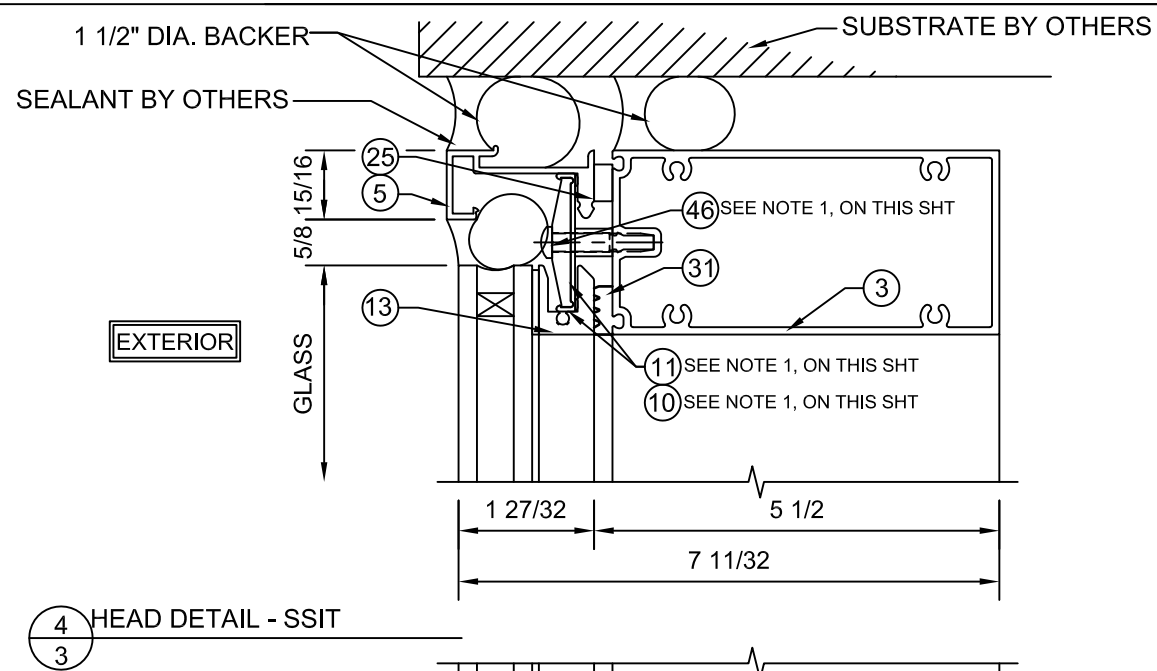


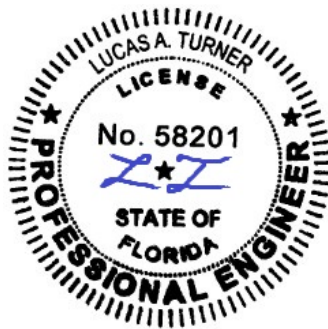
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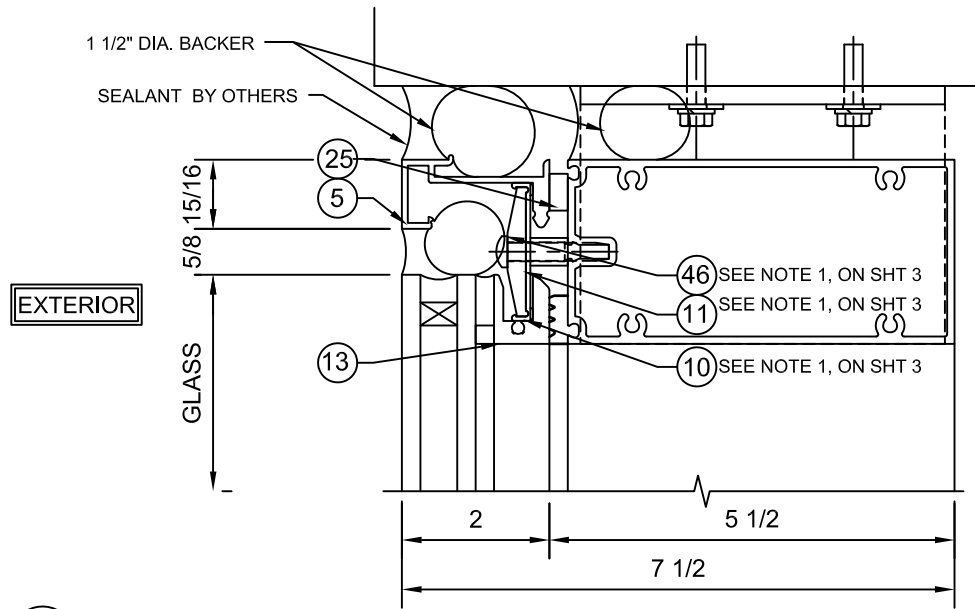
TOGGLE LOCATIONS:

VERTICALS: 2-5/8" MAX. FROM GLASS EDGE AND AT 9" MAX. ON CENTER THEREAFTER

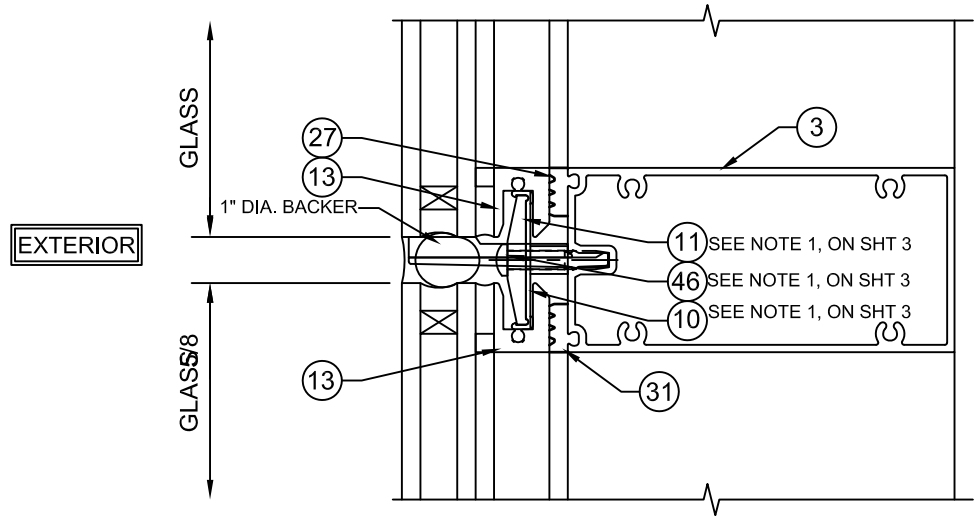
HORIZONTALS: 2-5/8" MAX. FROM GLASS EDGE, TWO TOGGLES AT 2 5/8" APART AT MIDSPAN OF GLASS WIDTH, AND AT 9" MAX. ON CENTER THEREAFTER



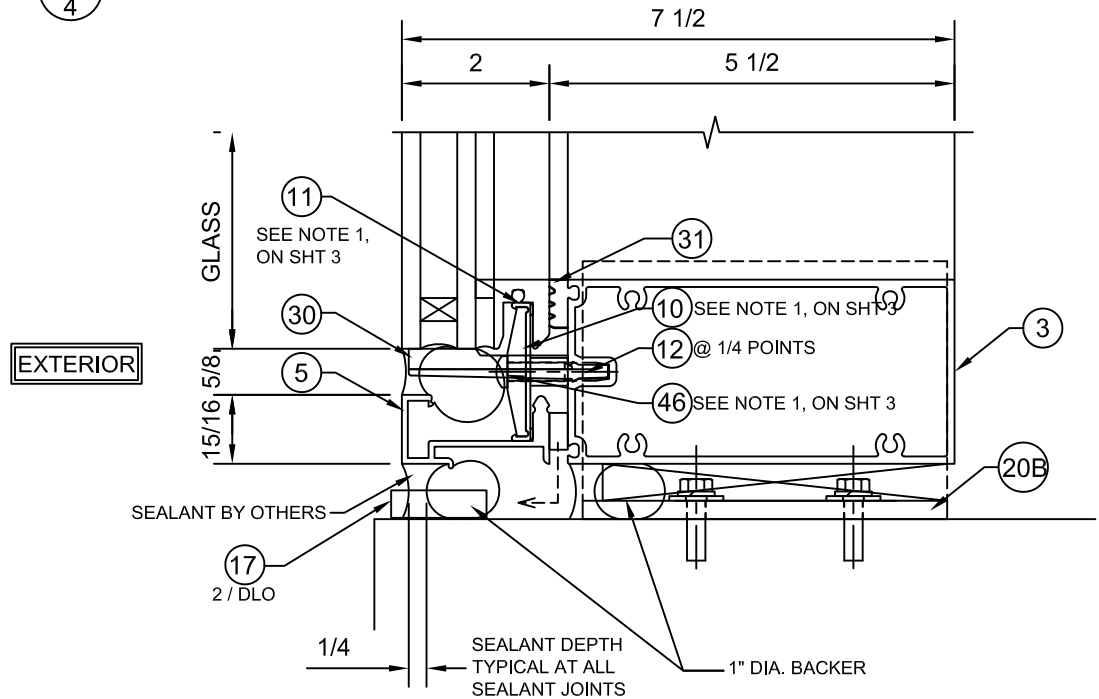
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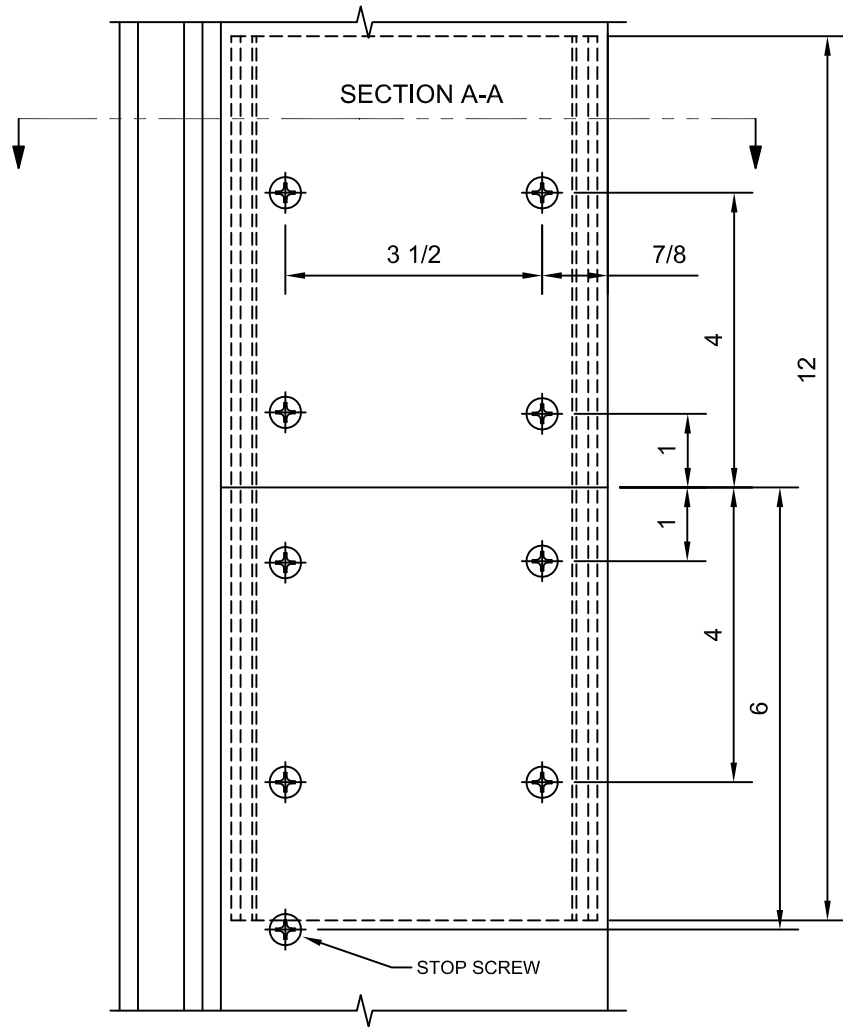
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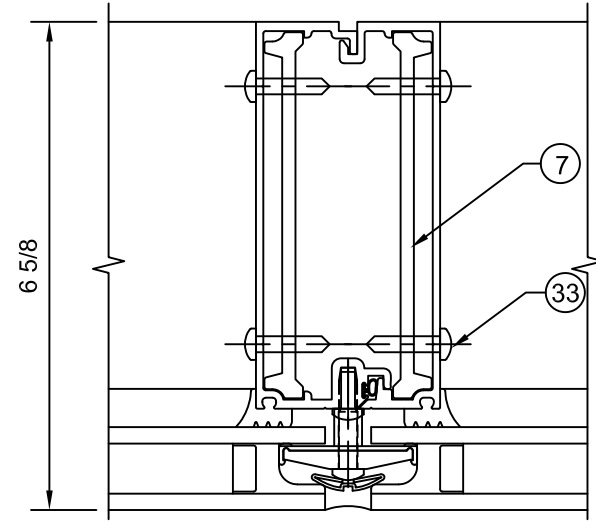
2 HORIZ. DETAIL - SSI



3 SILL DETAIL - SSI

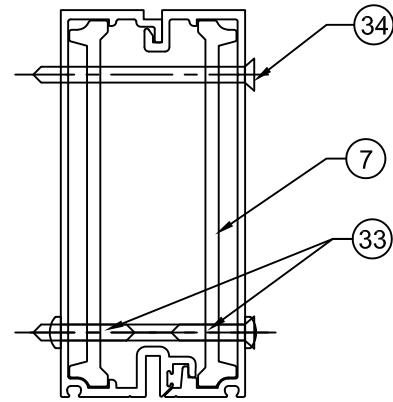


4 ANCHOR SPLICE DETAIL



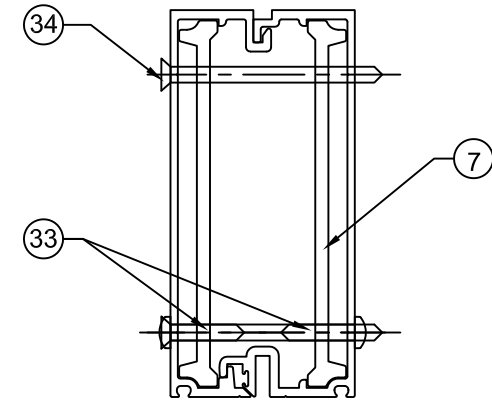
SECTION A-A INTERMEDIATE

EXTERIOR



SECTION A-A LEFT JAMB

EXTERIOR



SECTION A-A RIGHT JAMB

EXTERIOR

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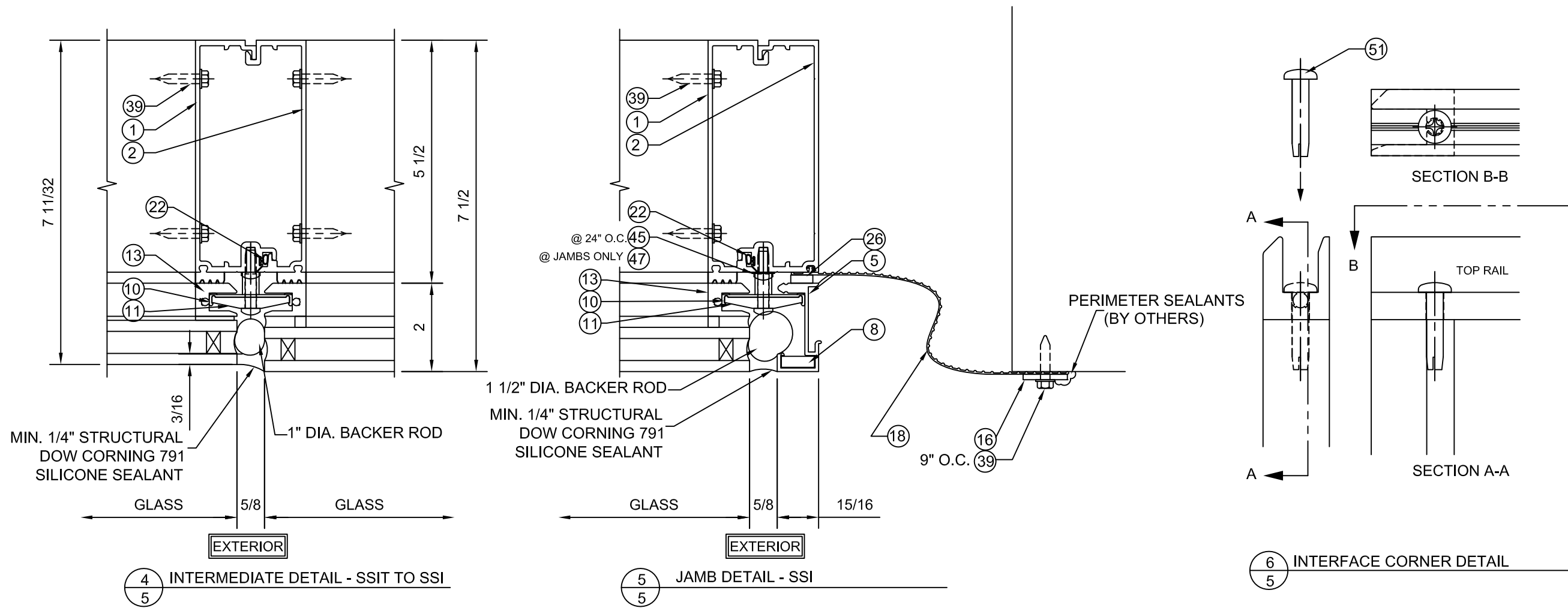
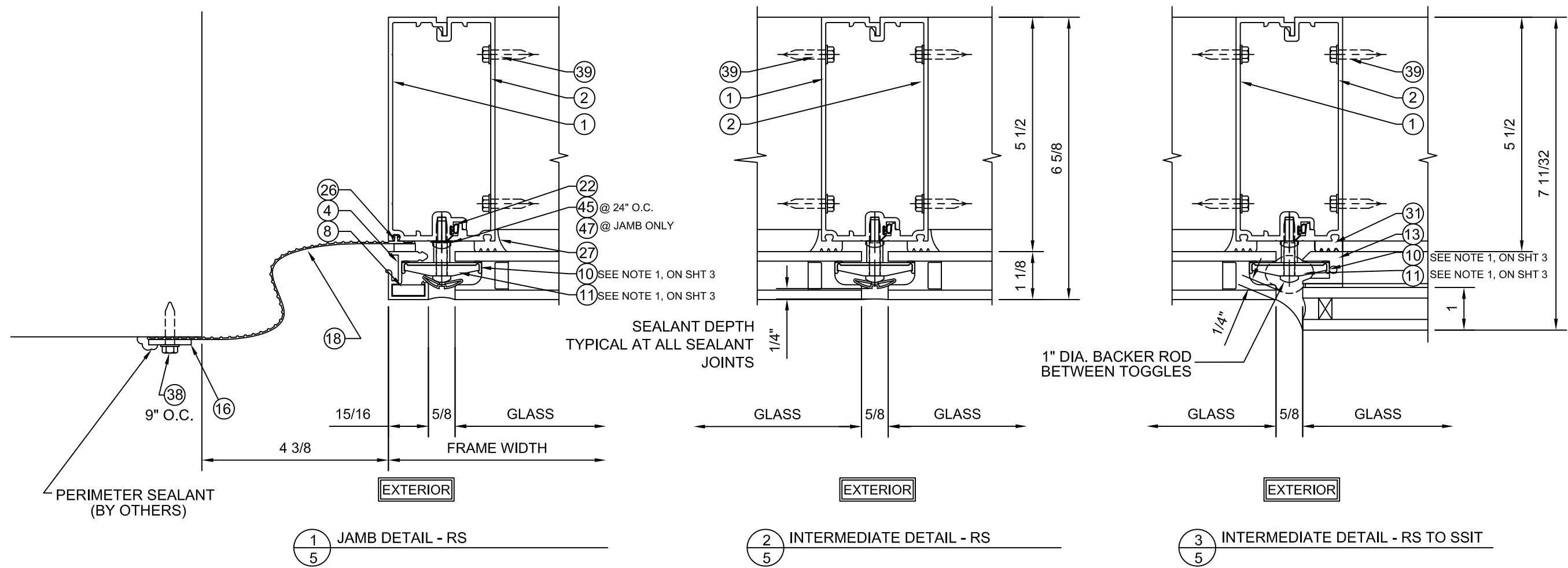
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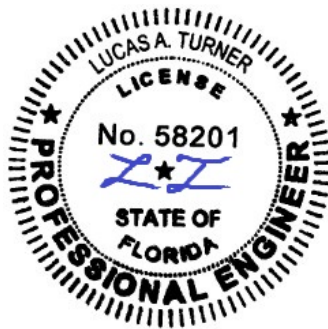
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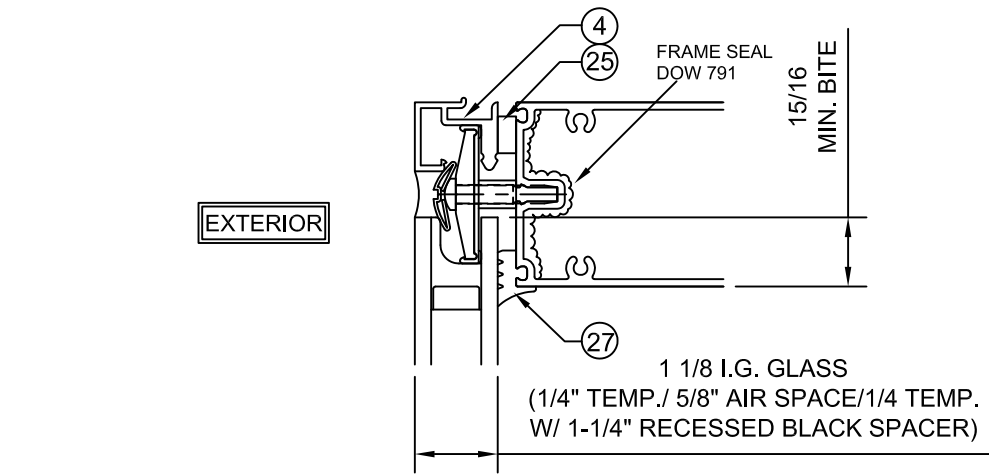
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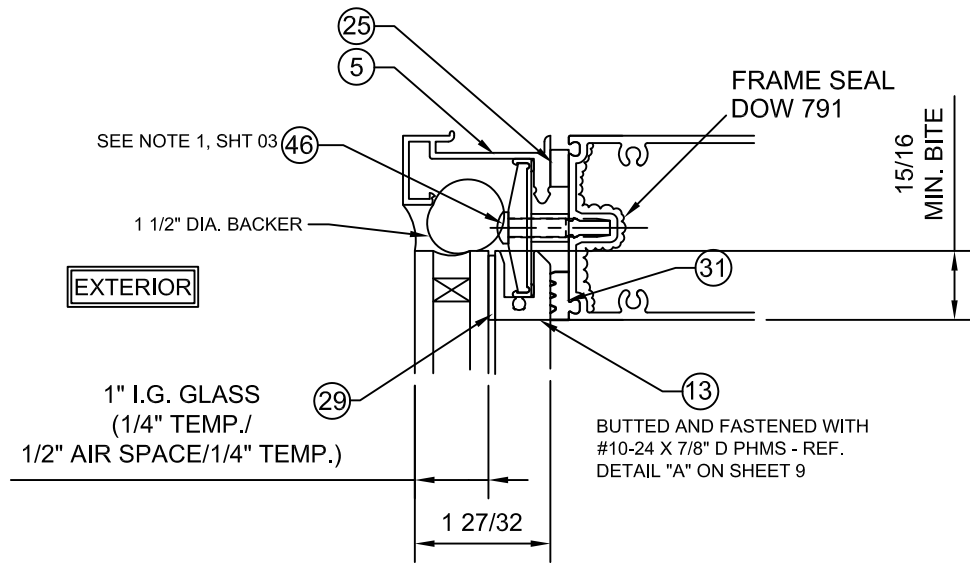
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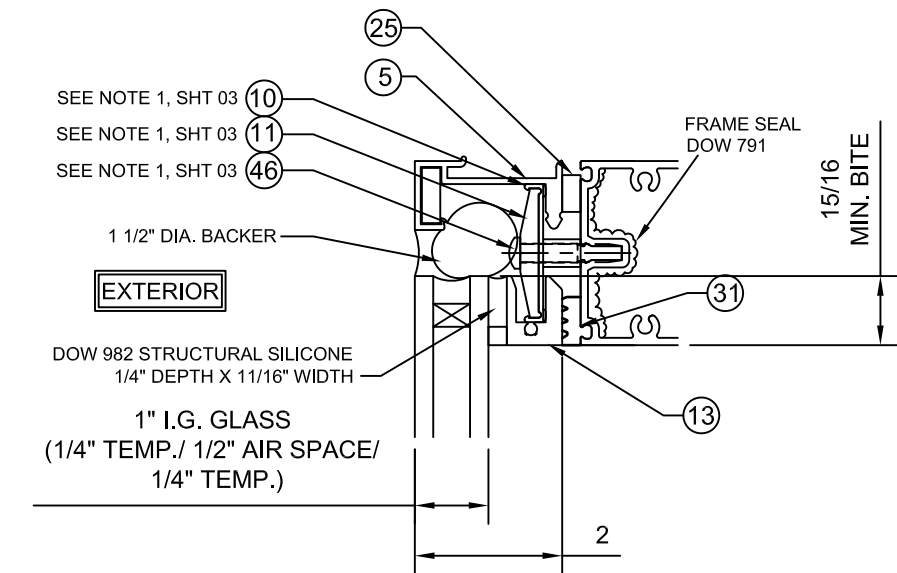
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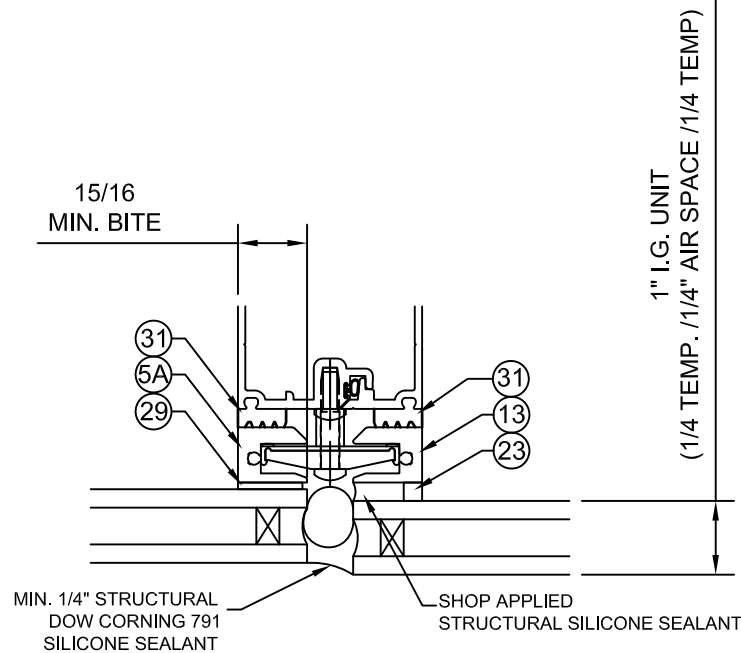
HEAD GLAZING DETAIL - RS



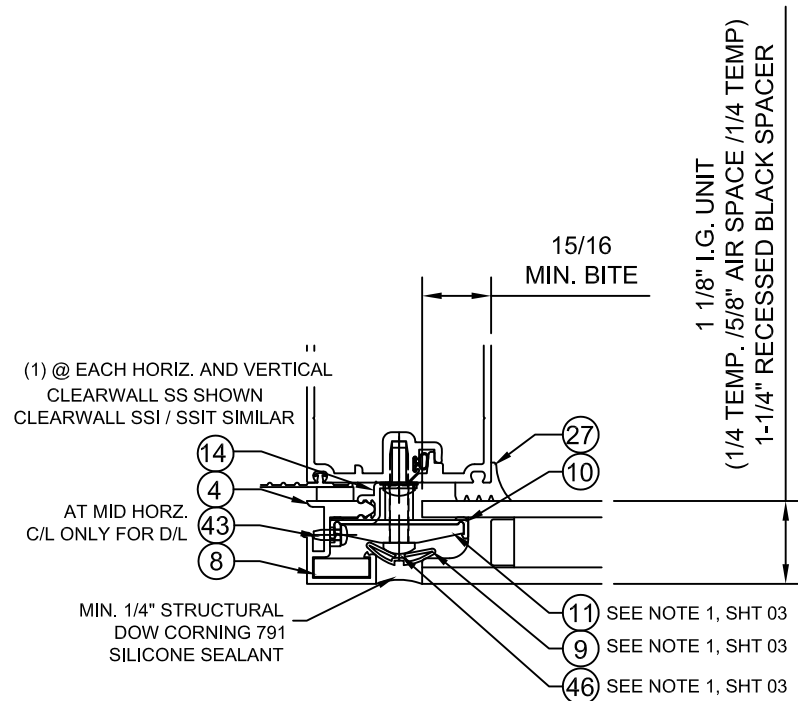
HEAD GLAZING DETAIL - SSIT



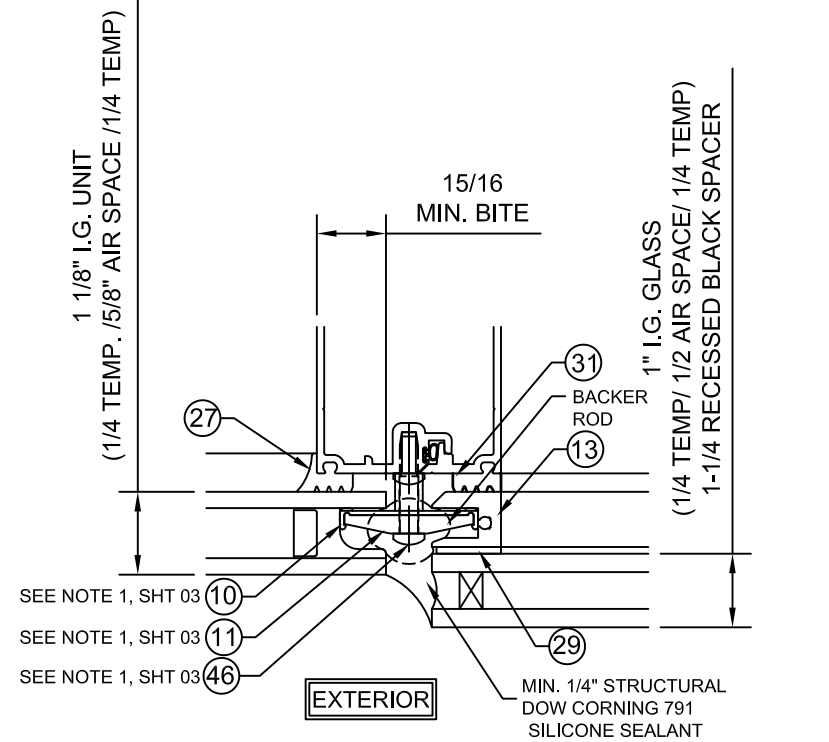
HEAD GLAZING DETAIL- SSI



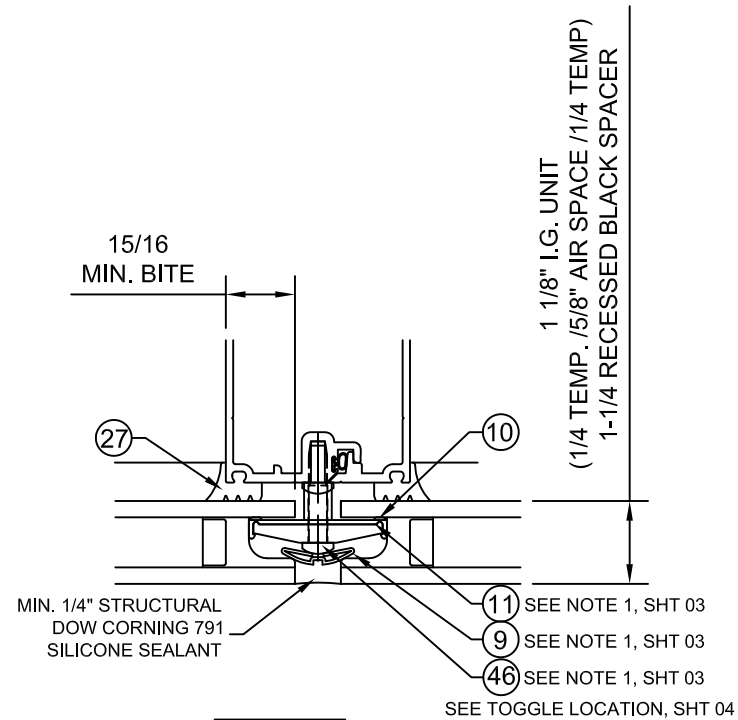
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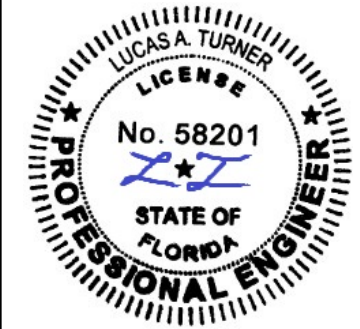
JAMB GLAZING DETAIL - RS



INTERMEDIATE GLAZING DETAIL- RS & SSIT



INTERMEDIATE GLAZING DETAIL - RS



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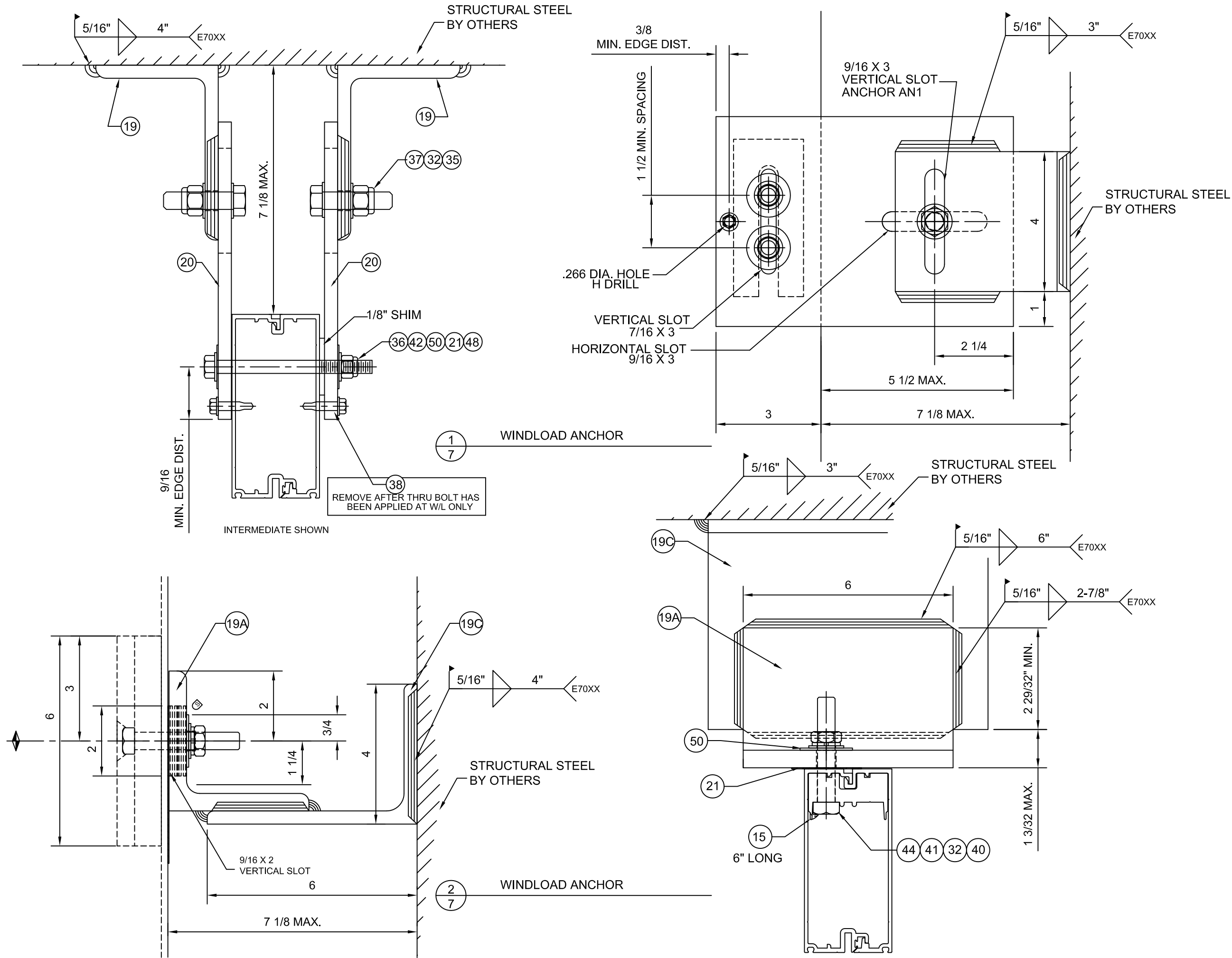


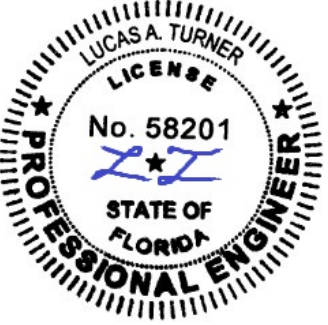
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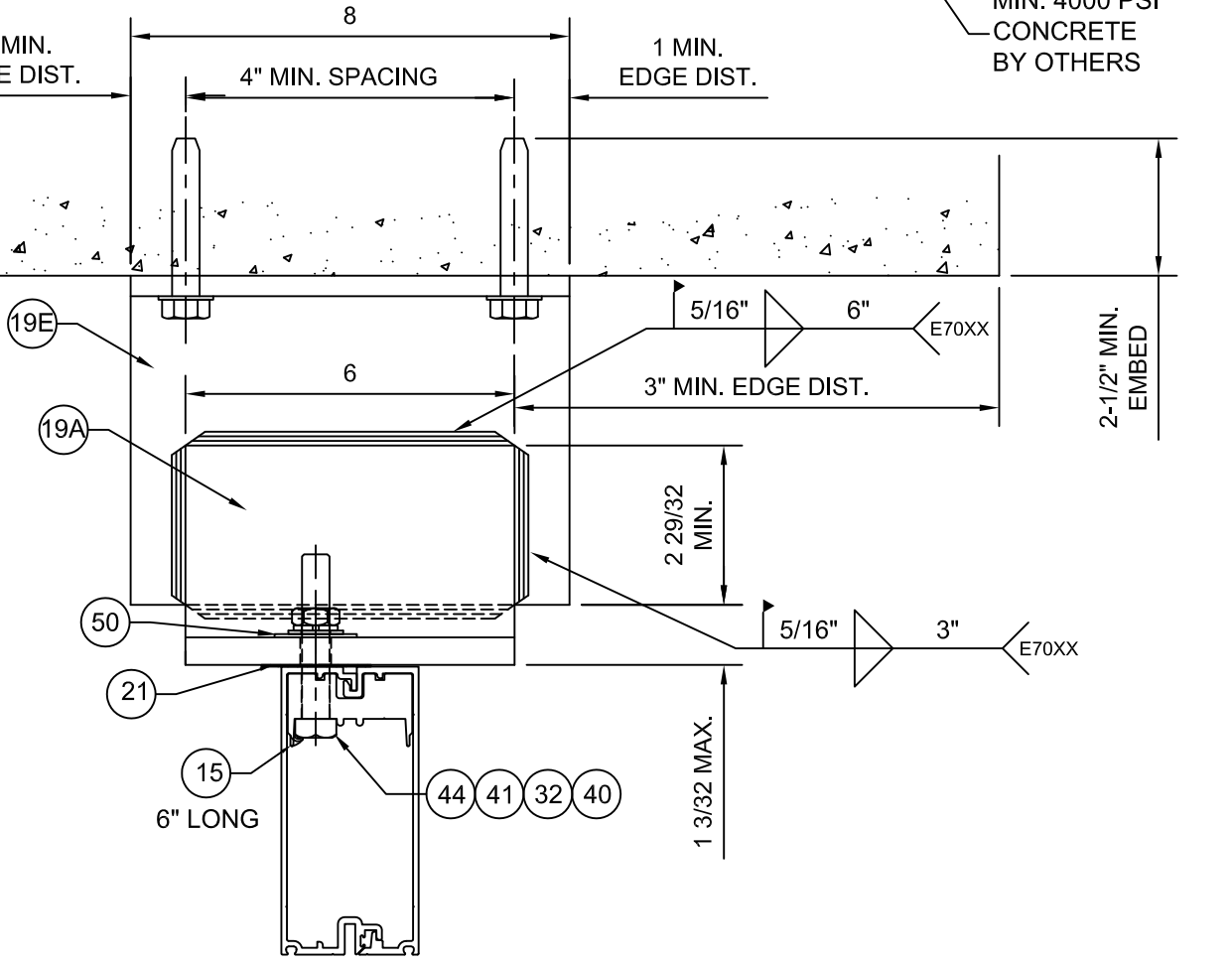
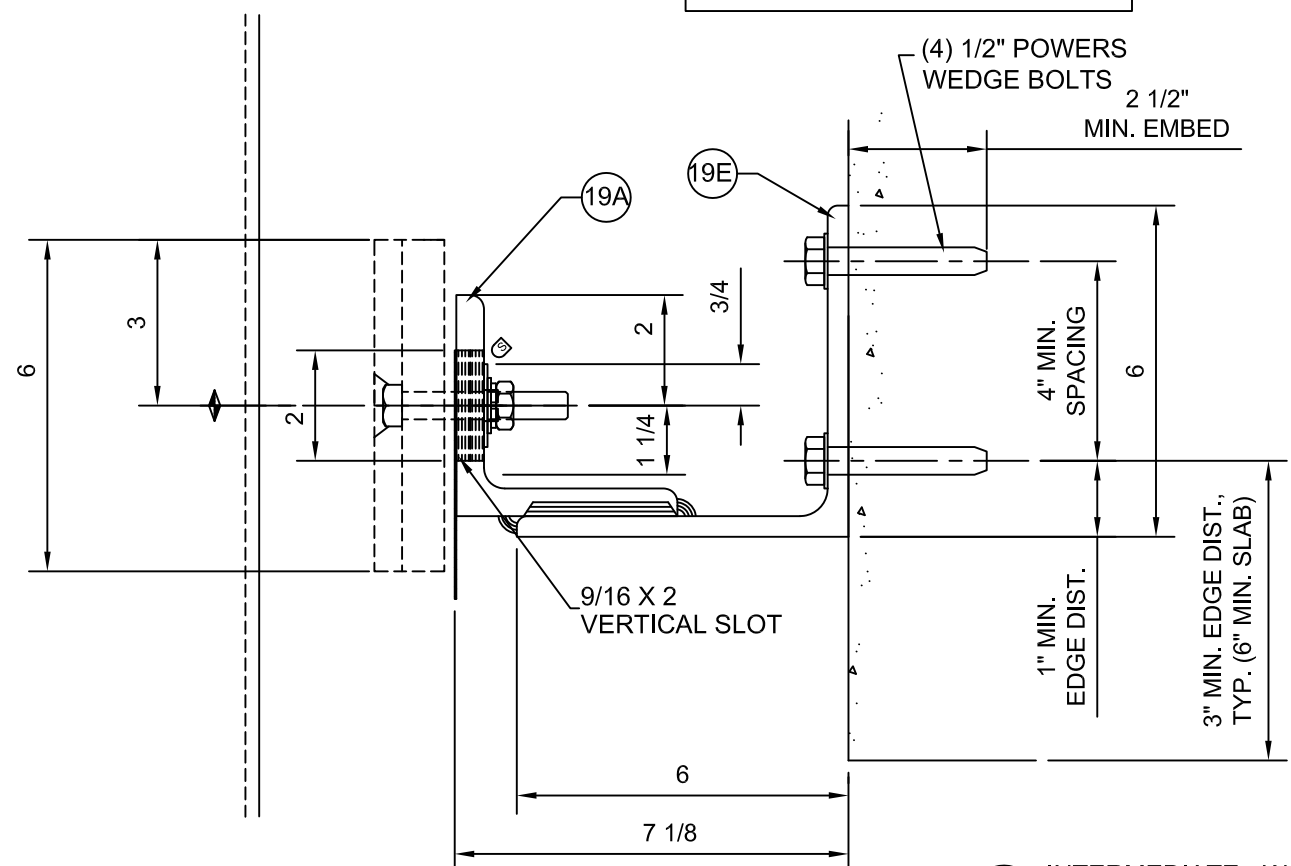
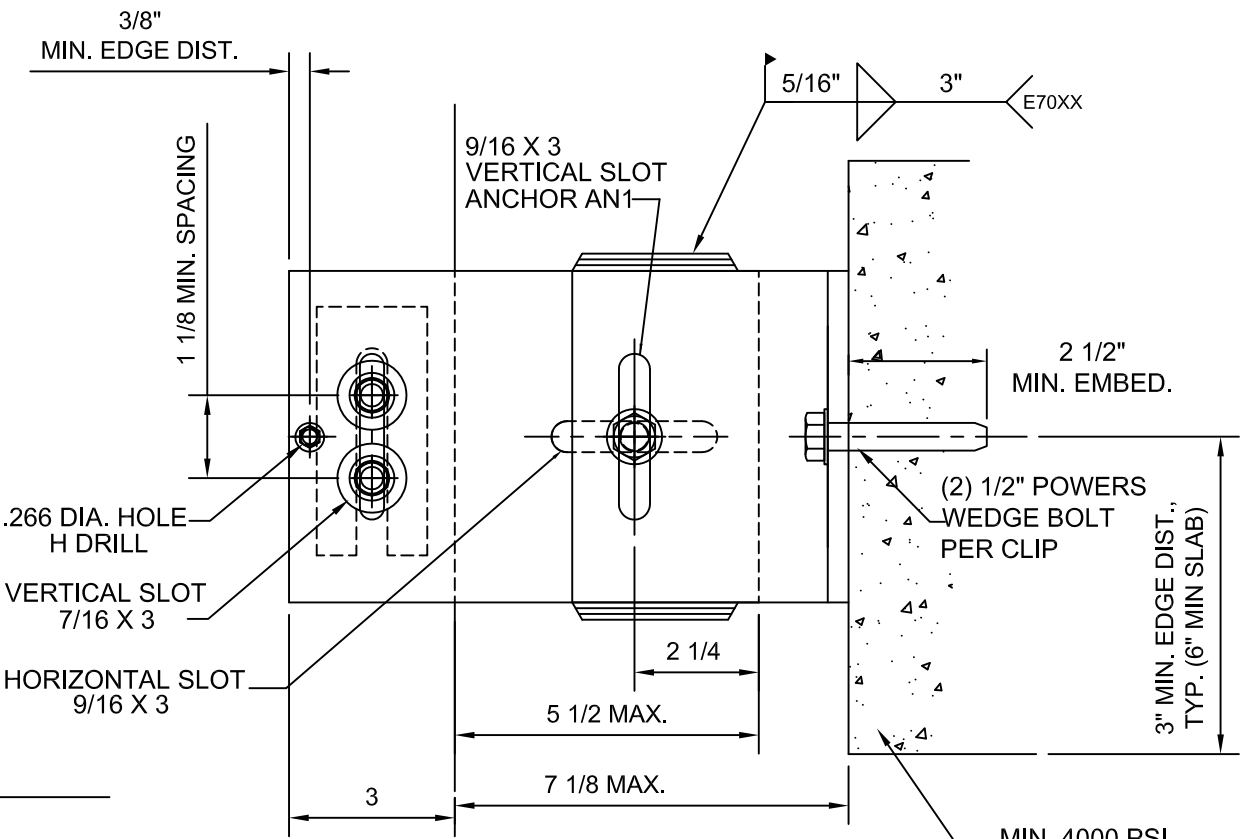
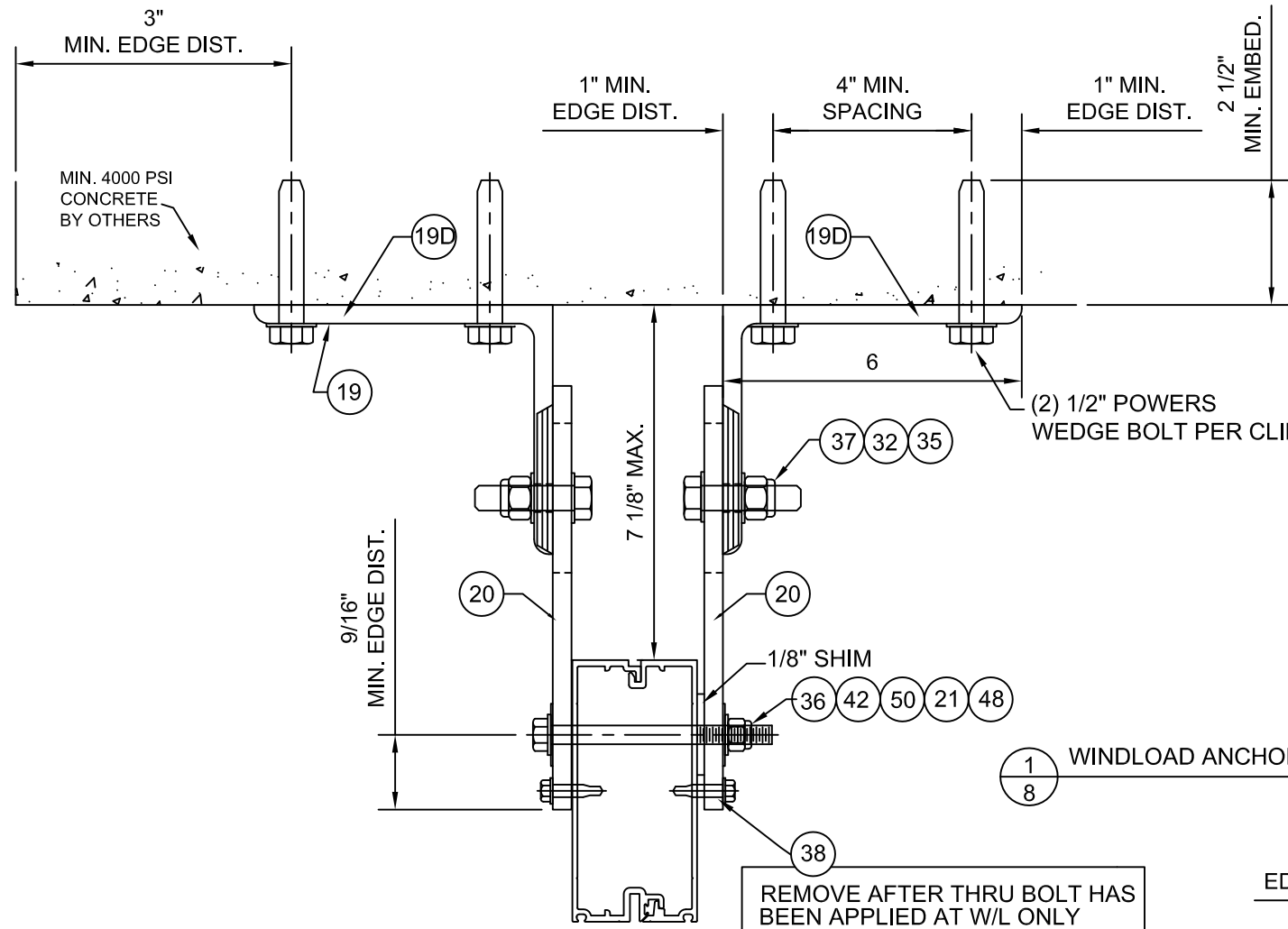
CLEARWALL
NON-IMPACT

SCALE: ACTUAL

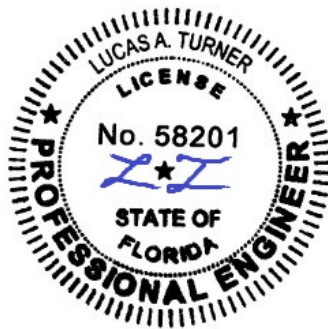
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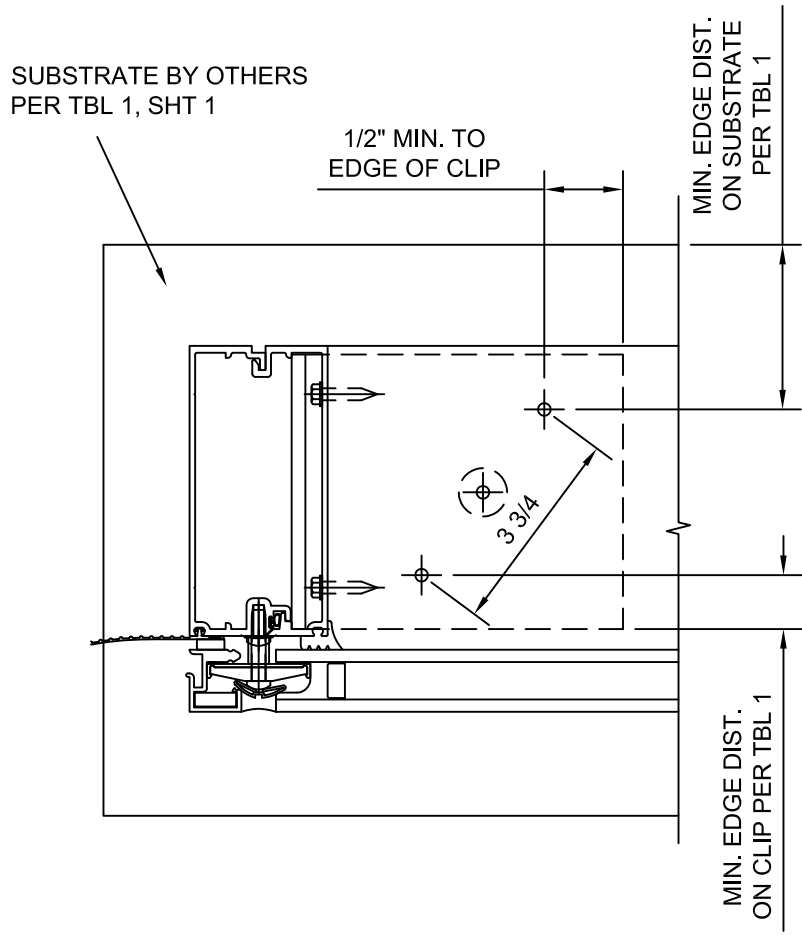


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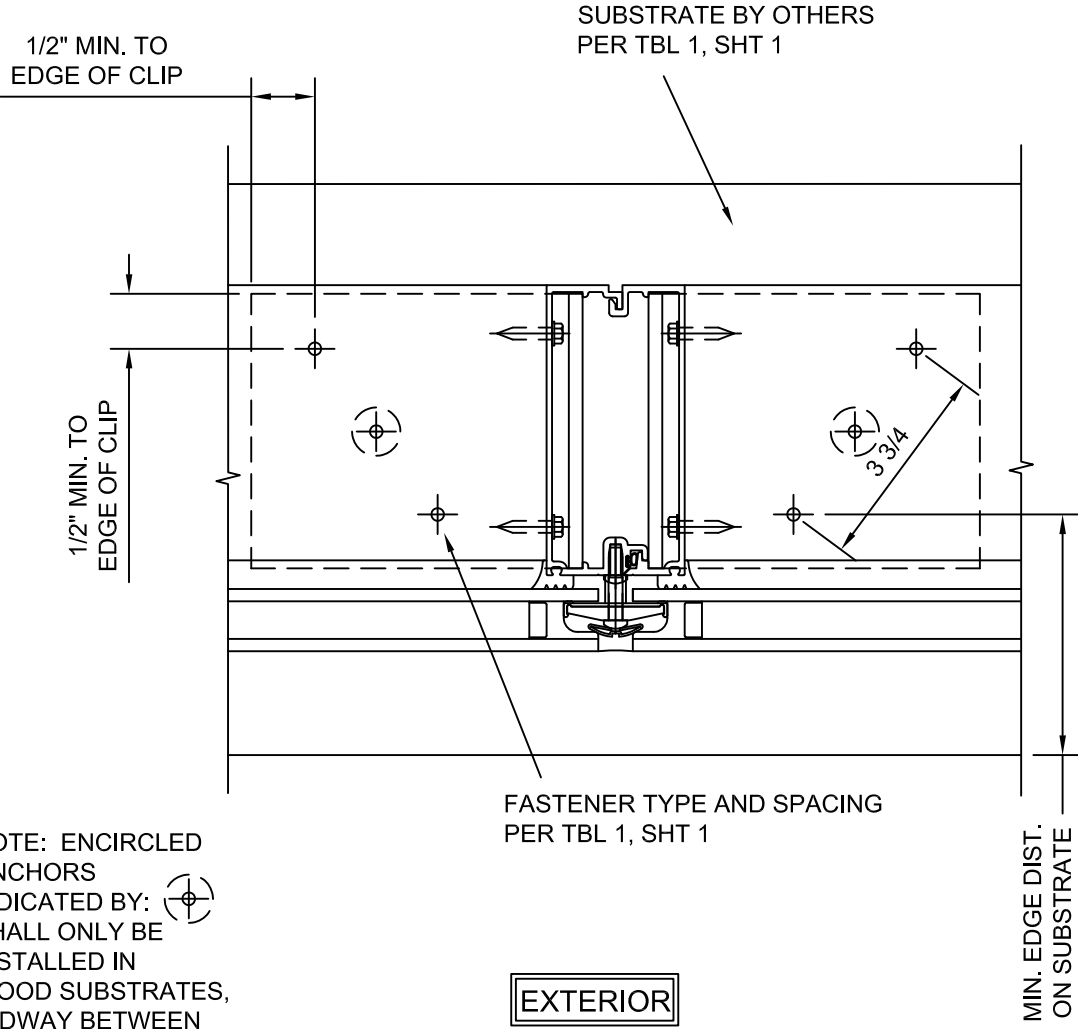


(2) INTERMEDIATE - W/L ANCHOR

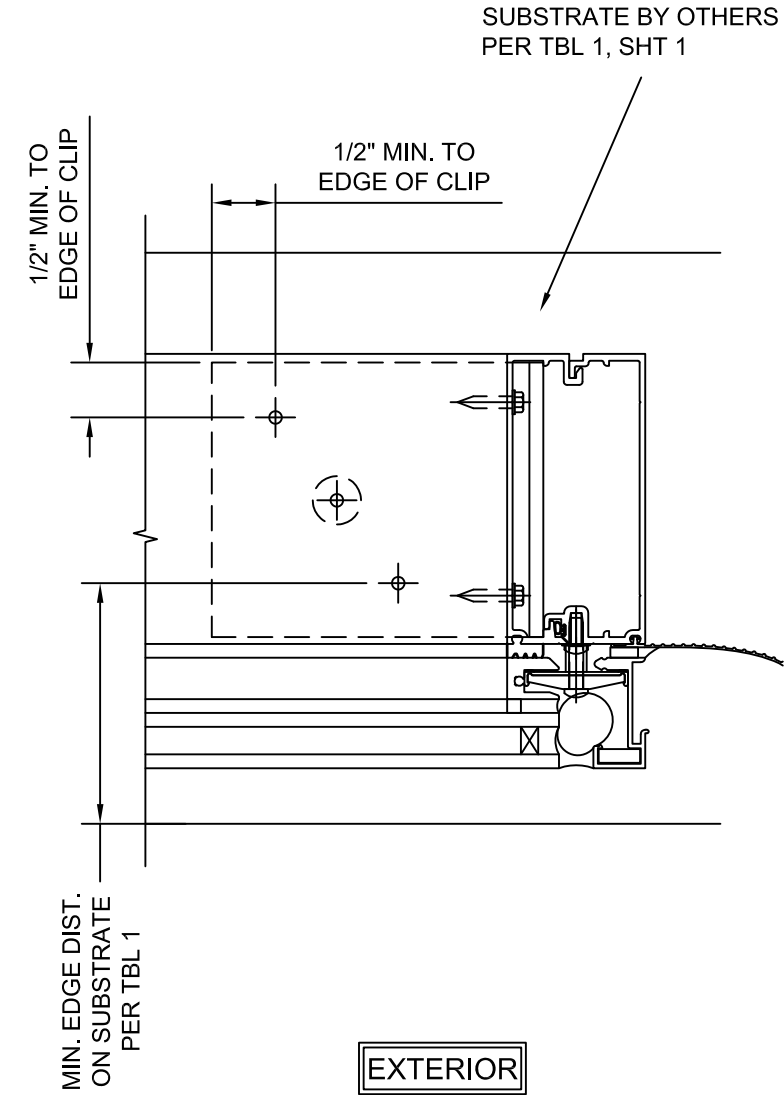
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EXTERIOR

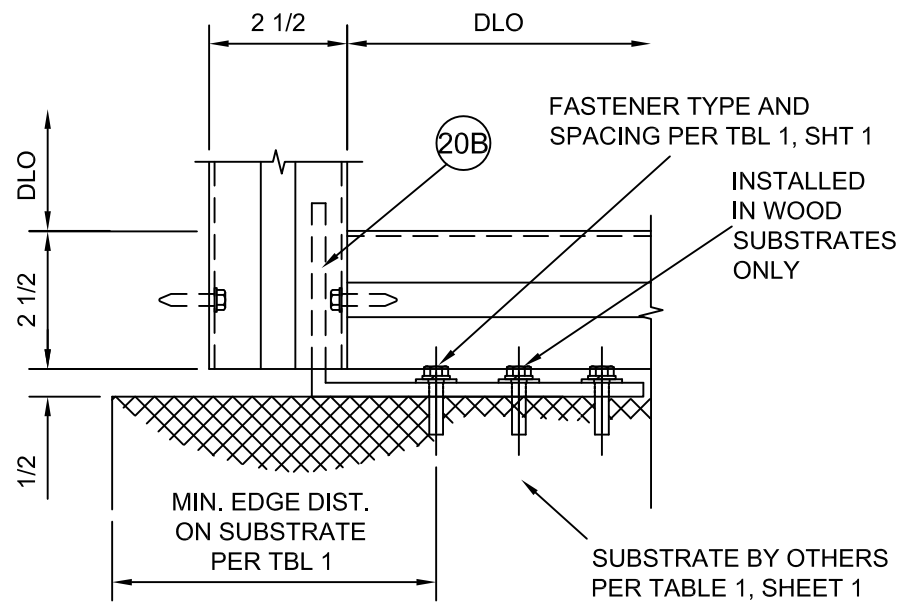


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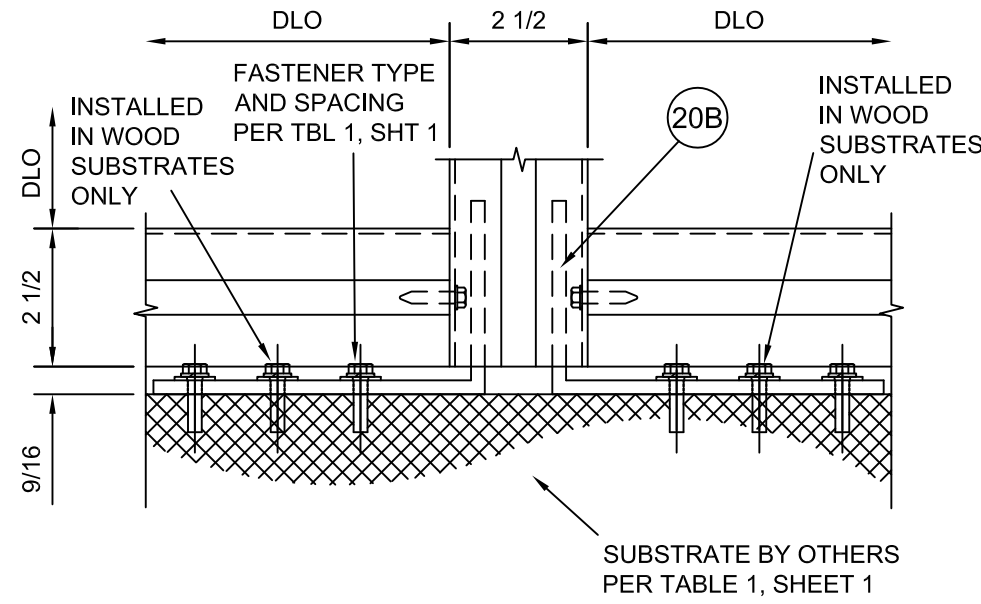


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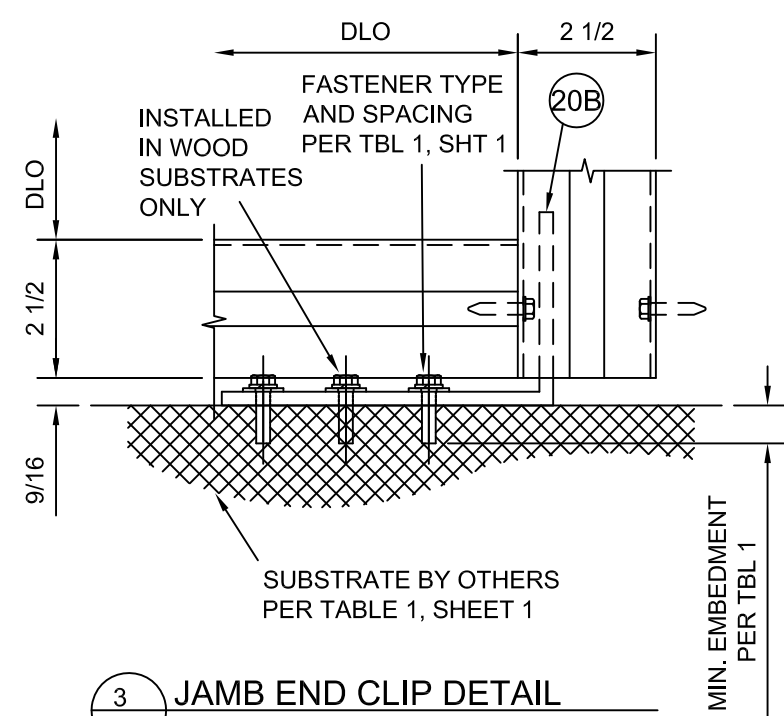
NOTE: ENCIRCLED ANCHORS INDICATED BY:  SHALL ONLY BE INSTALLED IN WOOD SUBSTRATES, MIDWAY BETWEEN OTHER TWO ANCHORS.



1
9 JAMB END CLIP DETAIL



2
9 INTERMEDIATE END DETAIL



3
9 JAMB END CLIP DETAIL



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NON-IMPACT

SCALE: ACTUAL

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SHEET 9 of 10	T172901

BILL OF MATERIALS

ID #	PART #	DESCRIPTION	DIMENSION	MATERIAL
EXTRUSION				
1	172-003	5 1/4" MALE MULLION HALF	5.25" x 1.831" x 0.100"	6063-T6
2	172-004	5 1/4" FEMALE MULLION HALF	5.25" x 1.365" x 0.100"	6063-T6
3	172-009	5 1/4" SS HORIZONTAL	5.25" x 2.500" x 0.100"	6063-T6
4	172-012	PERIMETER TRIM	1.125" x 0.938" x 0.08"	6063-T6
5	172-017	SSI PERIMETER TRIM	2.000" x 0.938" x0.08"	6063-T6
6	172-200	SSI GLASS CHAIR	4.500" x 0.223"	6105-T6
7	172-202	5 1/4" SS MULLION SPLICE SLEEVE	4.969" x 0.523" x 12"L	6063-T6
8	172-203	PERIMETER TRIM SPLICE SLEEVE	0.250" x 0.750" x 2.5"	6063-T6
9	172-205	SS SEALANT BACKER(SHORE "D" 65 DUROMETER)	0.967" x 0.300" x 0.05"	POLYPROPYLENE
10	172-206	TOGGLE BASE RIGID	1.875" x 0.287" x 0.060"	ABS
11	172-207	TOGGLE REINFORCEMENT	1.762" x 0.250"	6105-T5
12	172-210	SSI GLASS CHAIR	2.655" x 0.223" x 4.5"L	6105-T5
13	172-021	SSI INTERFACE	0.937" x 0.750" x0.223"	6063-T6
14	172-214	TRIM CLIP RIGID	1.142" x 0.913" x 0.08"	PVC
15	172-215	BACK ANCHOR LUG WINDLOAD	1.327" x 2.269" x 6L"	6063-T6
16		BR-1 ALUMINUM SHEET BRAKE METAL		5005-H34
17		3/8" DIA. WEEP TUBE		PLASTIC
18		TREMCO PROGLAZE ETA SILICONE SHEET 8" WIDE		SILICONE SHEET
19		AN-1	3/8" x 3 1/2" x 5" x 4L"	A36 STEEL
19A		AN-2	4" x 4" x 1/2" x 6L"	A36 STEEL
19B		AN-3	4" x 4" x 1/2" x 12L"	A36 STEEL
19C		AN-4	6" x 4" x 3/8" x 8L"	A36 STEEL
19D		AN-5	3/8" x 6" x 5" x 4L"	A36 STEEL
19E		AN-6	6" x 6" x 3/8" x 8L"	A36 STEEL
20		PL-1	3/8" x 8 1/2" x 6"	A36 STEEL
20A		PL-2	3/8" x 7" x 6"	A36 STEEL
20B	169-212	HEAD/SILL ANCHOR	6" x 3-1/2" x 4.969"x1/4"	6063-T6

GASKET				
21	027-477	ALUMINUM TO STEEL SEPARATOR THERMO-TORK	2.000" x 4.500" x 0.031"	TN-9004
22	027-493	AIR SEAL GASKET(ARLOC T-BULB WEATHER STRIP)	0.262" x 0.0.200"	SANTOPANE
23	127-095	1/4" X 1/4" NORTON V2100 TAPE (SHORE "A" 30 DURO)	0.250" x 0.250"	POLYURETHANE
24	127-158	SS SETTING BLOCK(SHORE "A" 85±5 DUROMETER)	1.275" x 0.278" x 4.125"	SILICONE
25	127-159	1/4" X 1/2" NORTON V2100 TAPE	0.500" x 0.250"	POLYURETHANE
26	127-160	(SHORE "A" 30 DUROMETER) 3/16" X 1/2" NORTON V2100 TAPE	0.500" x 0.188"	POLYURETHANE
27	127-161	SPONGE GASKET SS (SHORE "OO" 70±10 DUROMETER)	0.709" x 0.643"	EPDM SPONGE
28	127-163	SSIT SETTING BLOCK (SHORE "A" 85±5 DUROMETER)	2.000" x 0.278" x 4.125"	SILCONE
29	127-164	3M VHB B23F STRUCTURAL GLAZING TAPE	0.090" x 0.875"	
30	127-166	SSI SETTING BLOCK(SHORE "A" 85±5 DUROMETER)	2.169" x 0.278" x 4.125"	SILCONE
31	127-167	INTERIOR FIXED GASKET(SHORE "OO" 70±10 DURO)	0.357" x 0.643"	EPDM SPONGE

FASTENER			
ID #	PART #	DESCRIPTION	MATERIAL
32	128-260	1/2" FLAT WASHER	300 SS
33	128-267	#12 X 1" PHTF "AB"	300 SS
34	128-388	#12 X 3" PHTF "AB"	300 SS
35	128-391	1/2" - 13 TORQUE NUT W/NYLON LOCK RING	300 SS
36	128-392	3/8" - 16 TORQUE NUT W/NYLON LOCK RING	300 SS
37	128-393	1/2" - 13 X 2" HCS	300 SS
38	128-402	1/4" - 14 X 1" HWHTF "AB" @ METAL SUBSTRATE	300 SS
		1/4" - 14 X 2" TAPCON @ CONCRETE SUBSTRATE	300 SS
39	128-509	#12 X 1" HWHTF "AB"	300 SS
40	128-524	1/2" LOCK WASHER	300 SS
41	128-525	1/2 - 13 HEX NUT	300 SS
42	128-918	3/8" - 16 X 4 1/2" HHMS	300 SS
43	128-920	#6 X 3/8" PHTF "B"	300 SS
44	128-935	1/2" - 13 X 3" HHMS	GRADE 5
45	128-958	1/4" x 1/2" PHTF "B" w/ #12 SQUARE RECESS HEAD	300 SS
46	128-959	1/4" X 1 3/8" PHTF "B" w/ #12 SQUARE RECESS HEAD	300 SS
47	028-416	1/4" STAR WASHER	300 SS
48	028-596	3/8" PLAIN WASHER (NARROW)	300 SS
49	977-176	3/8" - 16 X 4" HHMS	6063-T6
50	216-301	SLIP WASHER	NYLON
51	977-104	#10-24 X 7/8" D PHMS	300SS

