

HORIZONTAL SLIDER - NON-IMPACT

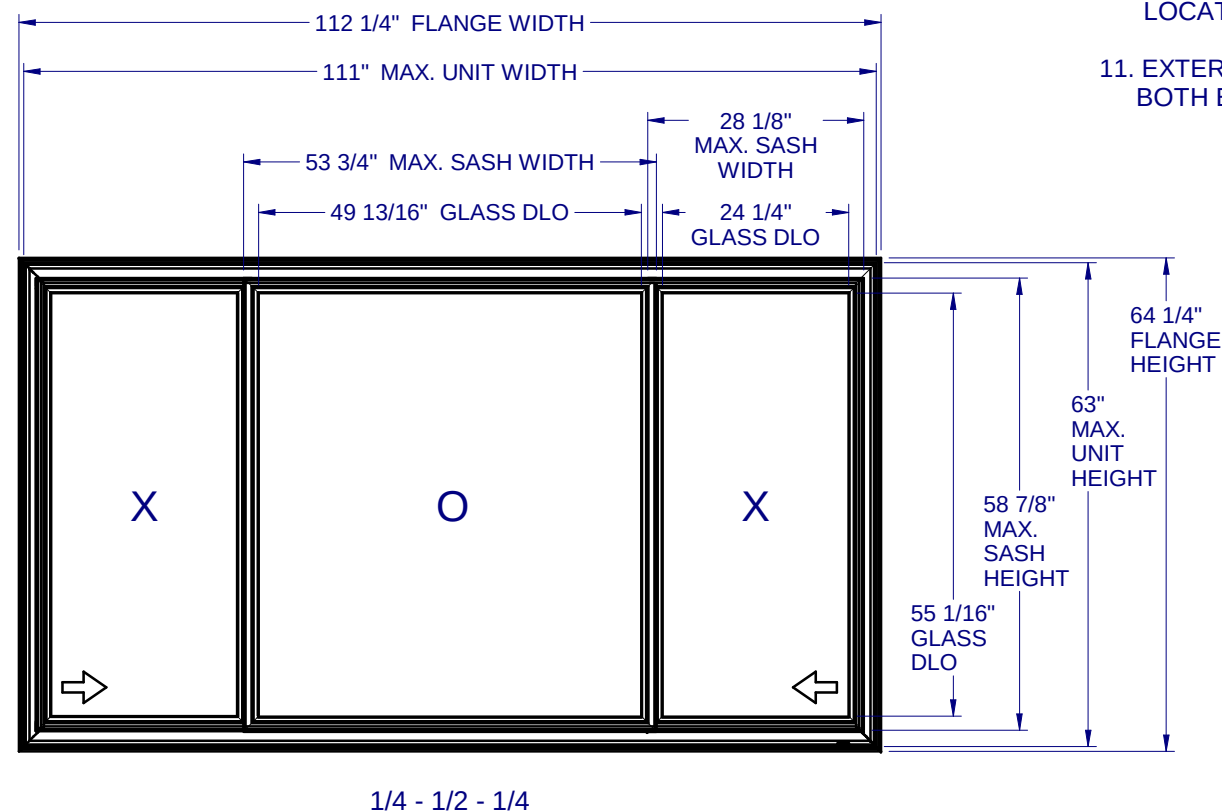
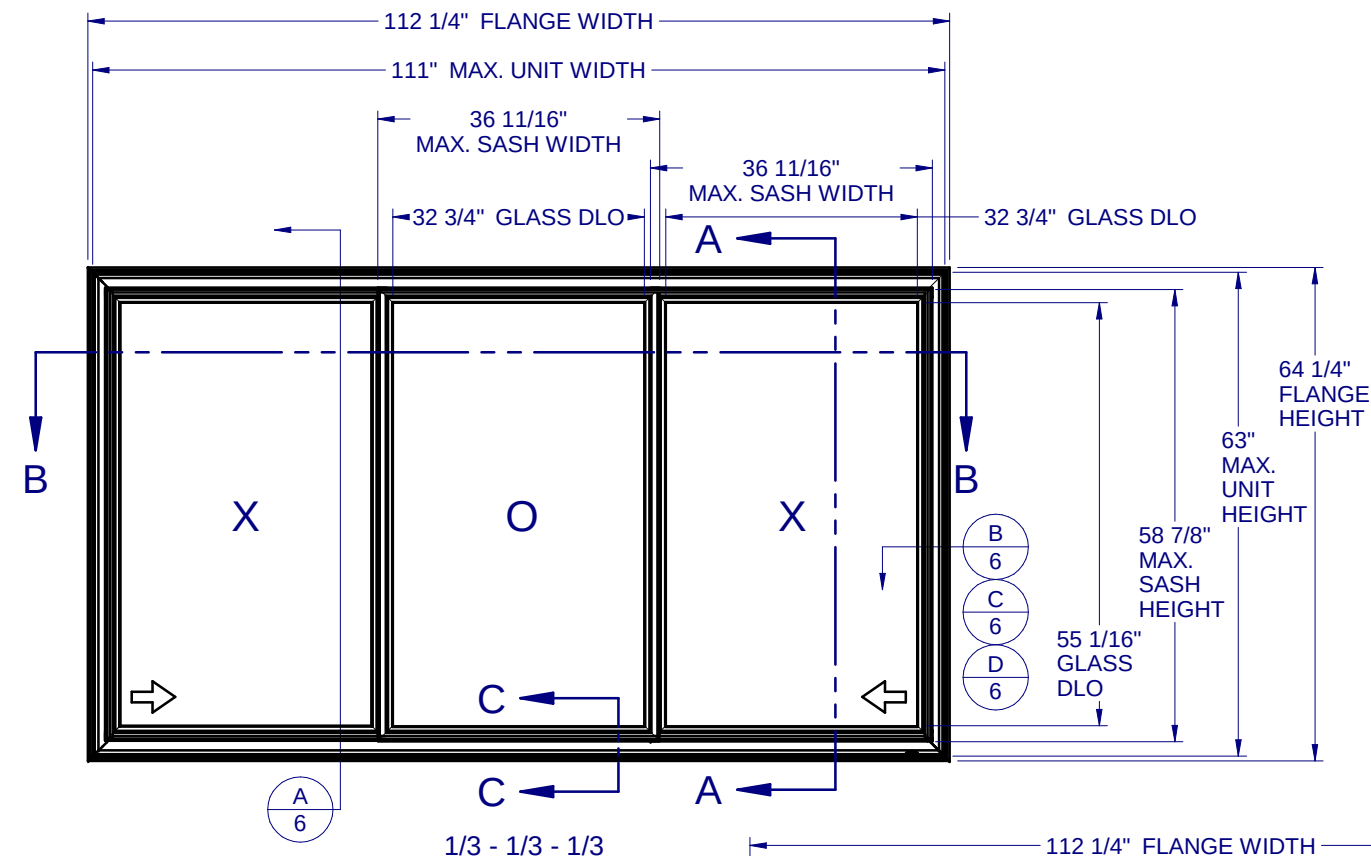


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CONFIG.	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
XOX 1/4-1/2-1/4	111" x 63"	SEE COMPARATIVE ANALYSIS CHART, SHEET 2	NONE
XOX 1/3-1/3-1/3			

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "XOX".
4. DESIGN PRESSURE RATING:
 - NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
 - POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
7. ALL FRAMES AND VENTS FULLY WELDED.
8. SERIES / MODEL DESIGNATION HS-620.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
11. EXTERNAL WEEP SLOT = 5/16" x 2-1/8" LOCATED 4-1/2" FROM BOTH ENDS.

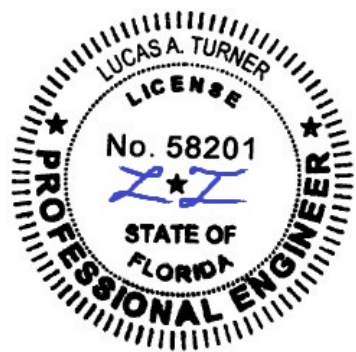
Lucas Turner
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7/23/2020

LUCAS A. TURNER, P.E.
FL PE # 58201
2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

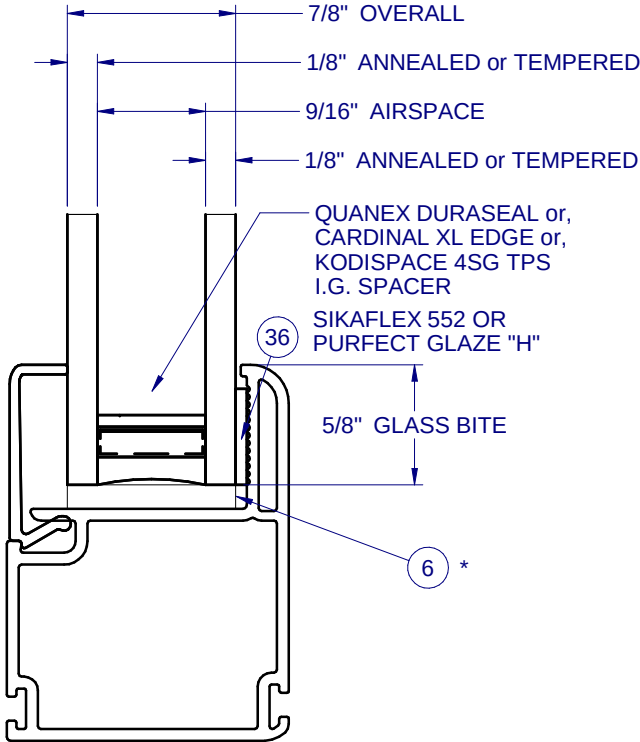
GENERAL NOTES AND ELEVATIONS

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CWS-1067	A
SCALE:	SHEET
1:25	1 OF 6

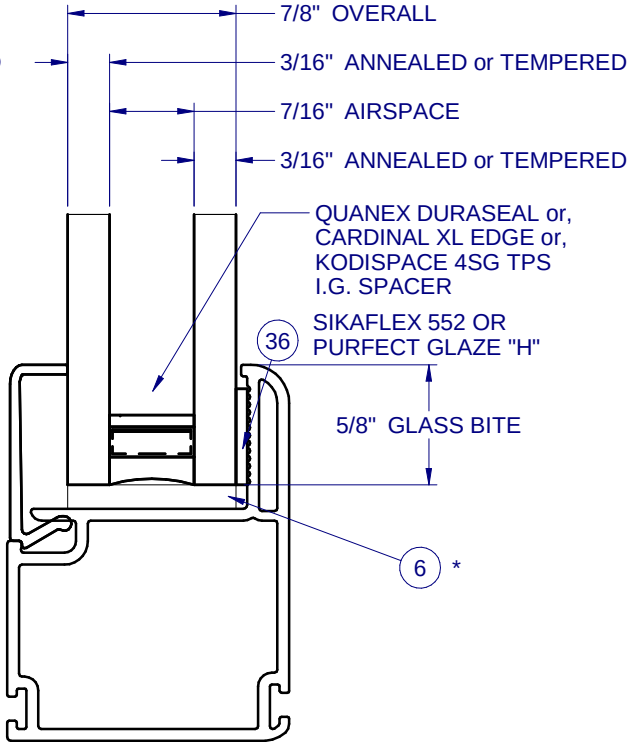
DESIGN PRESSURES FOR 1/3-1/3-1/3 CONFIGURATION WITH GLASS TYPE A OR B IN OPERABLE AND FIXED SASH									
Unit	Unit Height								
Width	17 1/2	23 1/2	29 1/2	35 1/2	41 1/2	47 1/2	53 1/2	59 1/2	63
53 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0
59 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0
65 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -74.0	+50.0 / -71.3
71 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -68.6	+50.0 / -64.5
77 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -67.1	+50.0 / -61.4
83 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -74.7	+50.0 / -64.9	+50.0 / -60.3
89 1/2	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -75.0	+50.0 / -71.5	+50.0 / -61.9	+50.0 / -57.4
95 1/2	+50.0 / -75.0	+50.0 / -72.5	+50.0 / -67.9	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -59.3	+50.0 / -54.9
101 1/2	+50.0 / -75.0	+50.0 / -65.9	+50.0 / -60.8	+50.0 / -59.8	+50.0 / -59.8	+50.0 / -59.8	+50.0 / -59.8	+50.0 / -57.1	+50.0 / -52.8
111	+50.0 / -69.2	+50.0 / -57.7	+50.0 / -52.1	+50.0 / -50.1	+50.0 / -50.0	+50.0 / -50.0	+50.0 / -50.0	+50.0 / -50.0	+50.0 / -50.0

DESIGN PRESSURES FOR 1/4-1/2-1/4 CONFIGURATION WITH GLASS TYPE A OR B IN OPERABLE SASH, GLASS TYPE B IN FIXED SASH									
Unit	Unit Height								
Width	17 1/2	23 1/2	29 1/2	35 1/2	41 1/2	47 1/2	53 1/2	59 1/2	63
53 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5
59 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -66.2
65 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -66.3	+50.0 / -61.6
71 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -62.5	+50.0 / -57.9
77 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -59.3	+50.0 / -54.9
83 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -66.1	+50.0 / -56.7	+50.0 / -52.3
89 1/2	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -67.5	+50.0 / -63.8	+50.0 / -54.5	+50.0 / -50.2
95 1/2	+50.0 / -65.5	+50.0 / -60.8	+50.0 / -60.8	+50.0 / -60.8	+50.0 / -60.8	+50.0 / -60.8	+50.0 / -60.8	+50.0 / -52.7	+48.4 / -48.4
101 1/2	+50.0 / -59.6	+50.0 / -54.1	+50.0 / -53.8	+50.0 / -53.8	+50.0 / -53.8	+50.0 / -53.8	+50.0 / -53.8	+50.0 / -51.2	+46.9 / -46.9
111	+50.0 / -52.1	+46.1 / -46.1	+45.0 / -45.0	+45.0 / -45.0	+45.0 / -45.0	+45.0 / -45.0	+45.0 / -45.0	+45.0 / -45.0	+45.0 / -45.0

NOTE: GLASS TYPE B REQ'D FOR FIXED SASH WIDTHS LARGER THAN 36-11/16"



GLASS TYPE A



GLASS TYPE B

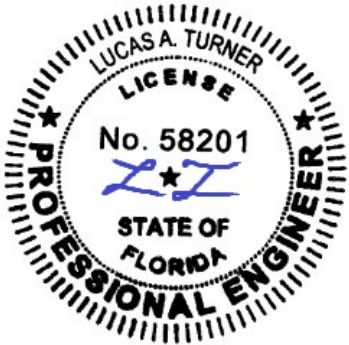
* SETTING BLOCKS PER FBC 2411.3.3.1

NOTE: IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

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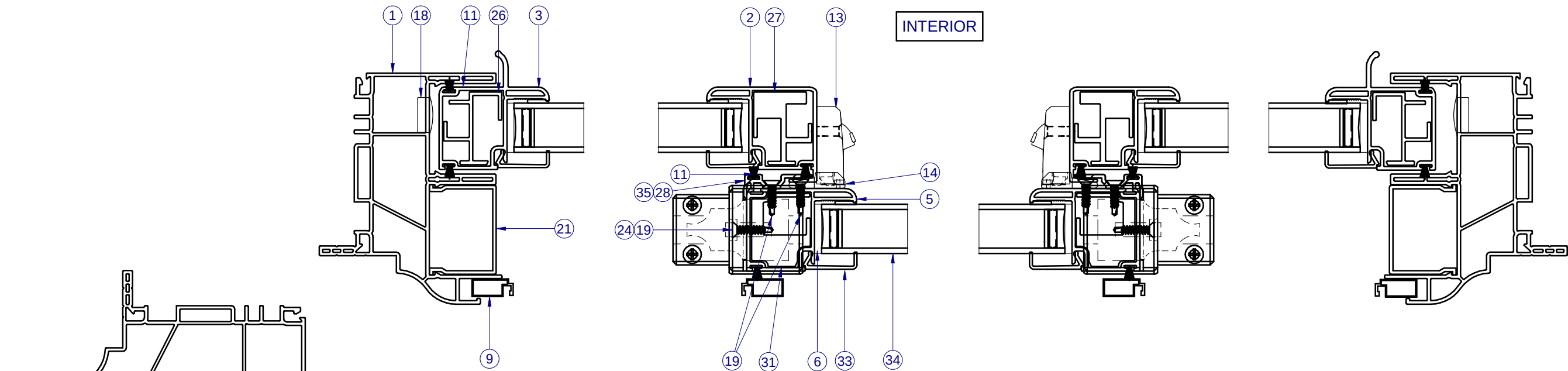
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FL PE # 58201
2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

DP CHARTS AND
GLAZING DETAILS

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1:1	2 OF 6



SECTION VIEW B-B

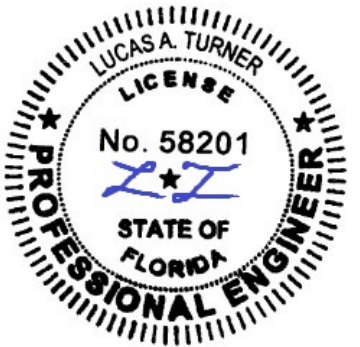
SECTION VIEW A-A

SECTION VIEW C-C
ALTERNATE FIN FRAME

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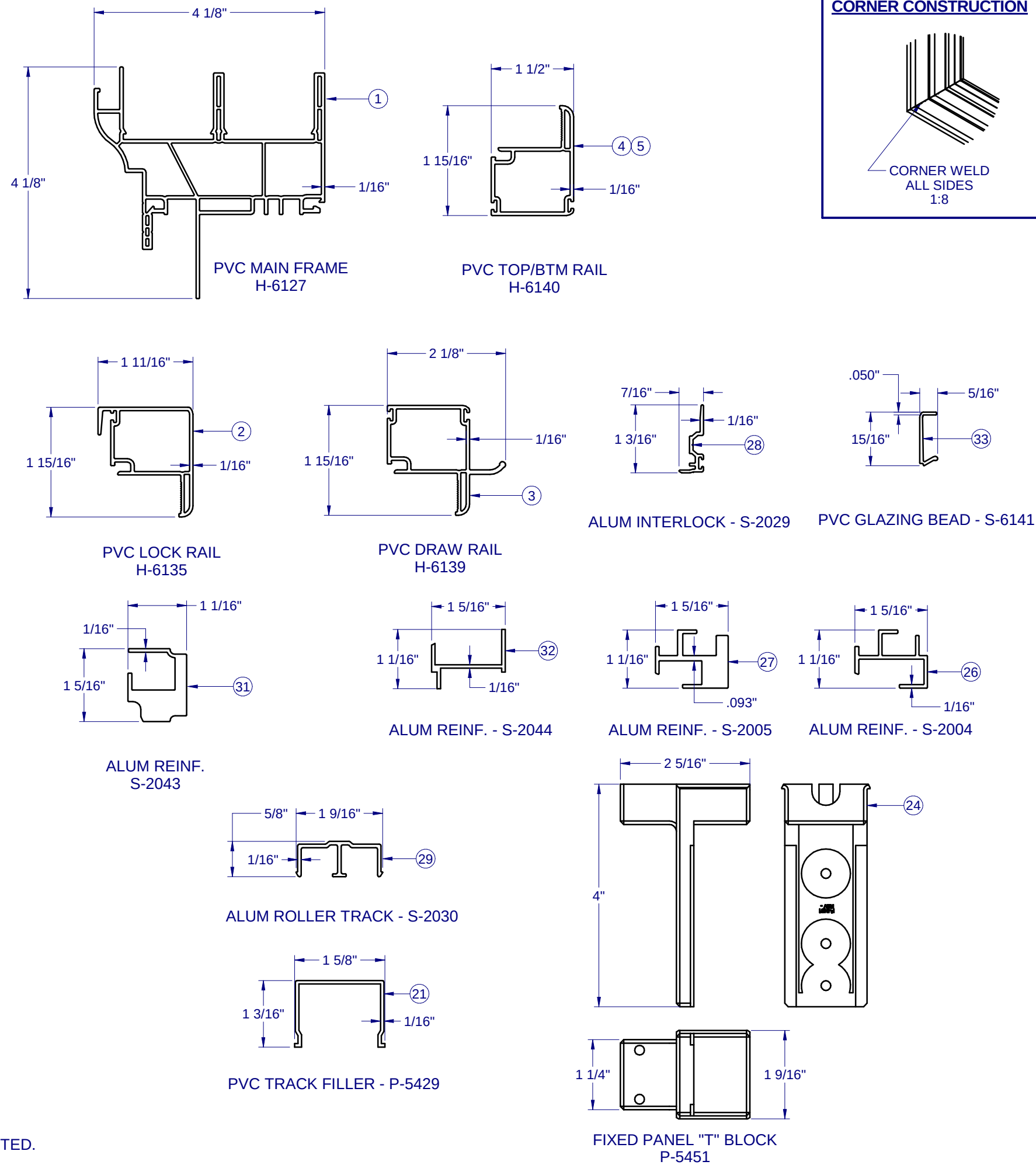
SECTION VIEWS

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SCALE:	SHEET
1:2	3 OF 6

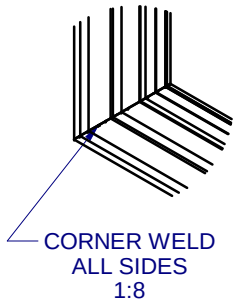
PARTS LIST			
ITEM	PART	DESCRIPTION	MATERIAL
1	H-6127	MAIN FRAME	PVC
2	H-6135	SASH INTERLOCK RAIL, INT. PANEL	PVC
3	H-6139	SASH DRAW RAIL	PVC
4	H-6140	SASH TOP/BTM RAIL	PVC
5	H-6140	SASH INTERLOCK RAIL, EXT. PANEL	PVC
6	P-5615	SETTING BLOCK, 1/8" x 7/8" x 2"	
7	P-3029	SCREEN LIFT TABS	STEEL
8	P-3033	SCREEN SPRINGS	STEEL
9	P-3218	SCREEN FRAME	ALUM
10	P-3228	SCREEN SPLINE	
11	P-3305	WTSP., 0.187" x 0.270" SOFT FIN	
12	P-3511	#8-18 x 0.625" PN PH TEK #2 POINT ZP	STEEL
13	P-3783	IMPACT SASH LOCK	
14	P-3784	KEEPER	
15	P-4146	#8-18 x 0.750" FH PH #2 POINT TEK ZP	STEEL
16	P-4754	SCREEN CORNER KEY	NYLON
17	P-5450	JUMBO WEEP COVER ASSY	NYLON
18	P-5588	HOLE PLUG	NYLON
19	P-3511	#8-18 x 0.625" SQ PH TEK #2 POINT ZP	STEEL
20	P-5428	ROLLER ASSY	
21	P-5429	EXTERIOR TRACK FILLER INSERT	PVC
24	P-5451	T BLOCK, FIXED SASH	NYLON
25	P-5448	#8 x 1.50" PN PH #2 POINT TEK ZP	STEEL
26	S-2004	REINF., SIDE RAIL	ALUM
27	S-2005	REINF., MEETING RAIL, INT. PANEL	ALUM
28	S-2029	INTERLOCK ADAPTOR	ALUM
29	S-2030	ROLLER TRACK	ALUM
31	S-2043	REINF., MEETING RAIL, EXT. PANEL	ALUM
32	S-2044	REINF., TOP/BOTTOM RAIL	ALUM
33	S-6141	0.875" GLAZING BEAD	PVC
34	GLASS	SEE SHEET 2	
35		DOW CORNING 1199	SILICONE
36		PURFECT GLAZE "H", SIKAFLEX 552	SILICONE

LINE ITEMS NOT USED:
22, 30

NOTE: ALL ALUMINUM EXTRUSIONS ARE 6063-T6 UNLESS OTHERWISE NOTED.



CORNER CONSTRUCTION



Custom WINDOW SYSTEMS
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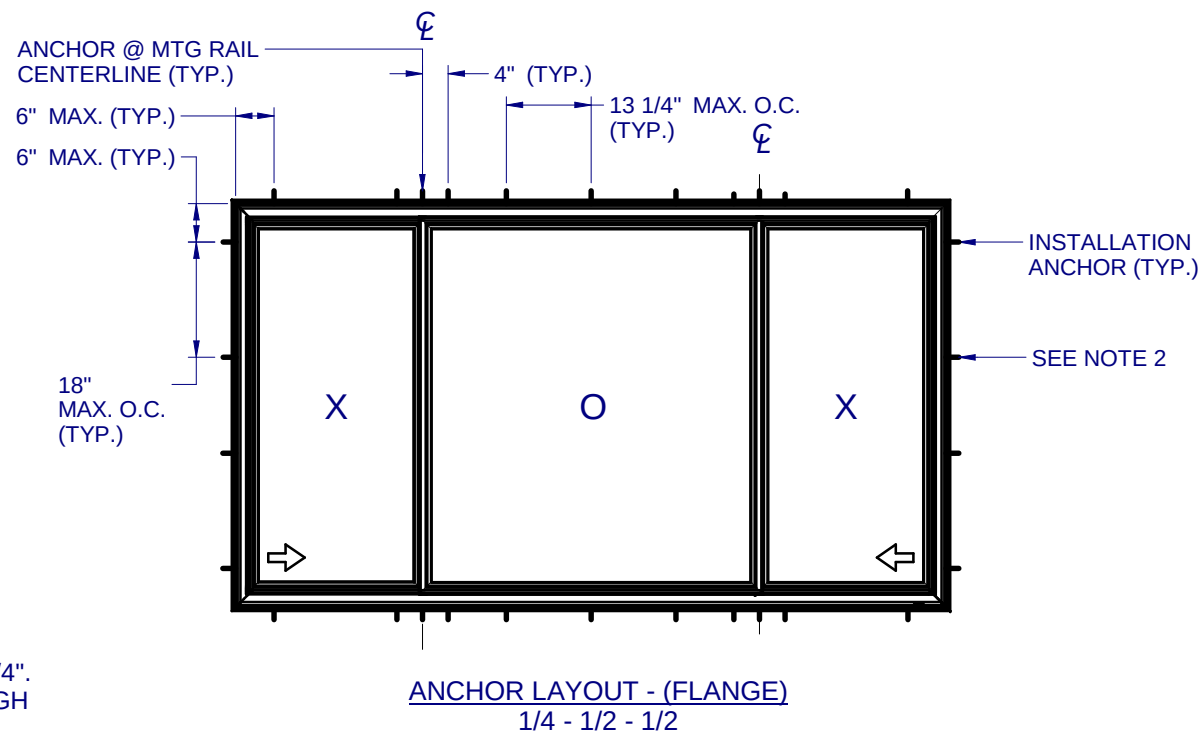
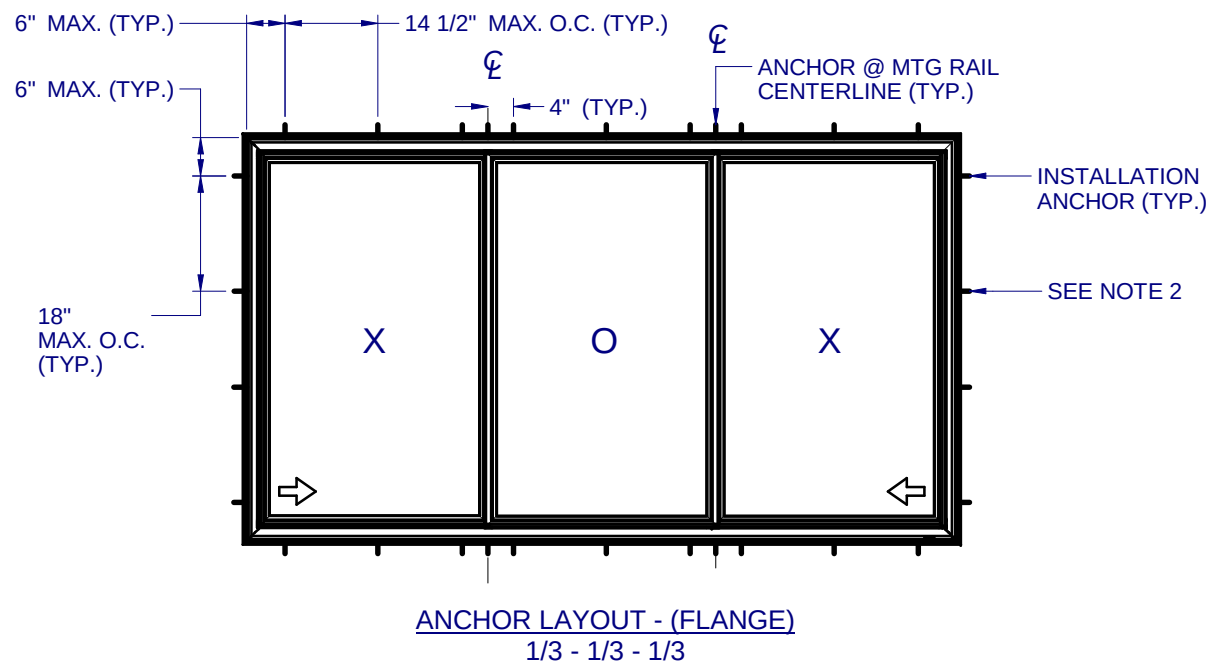
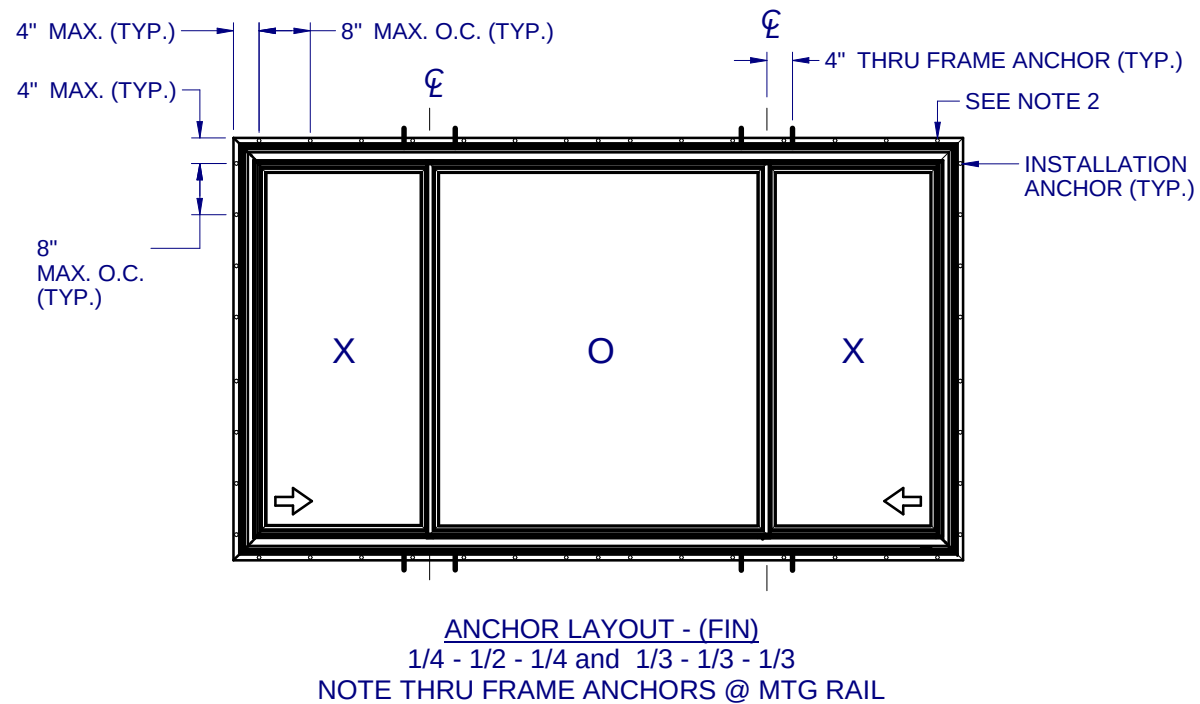
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FL PE # 58201
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PH. 941-380-1574

SHEET DESCRIPTION:

BOM AND EXTRUSIONS

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1:2	4 OF 6



NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 6.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 6.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE - 1X BUCKS ARE OPTIONAL.
7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3-9/16" FOR MASONRY, 1" FOR WOOD AND METAL.
8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1, SHEET 6. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS:
FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

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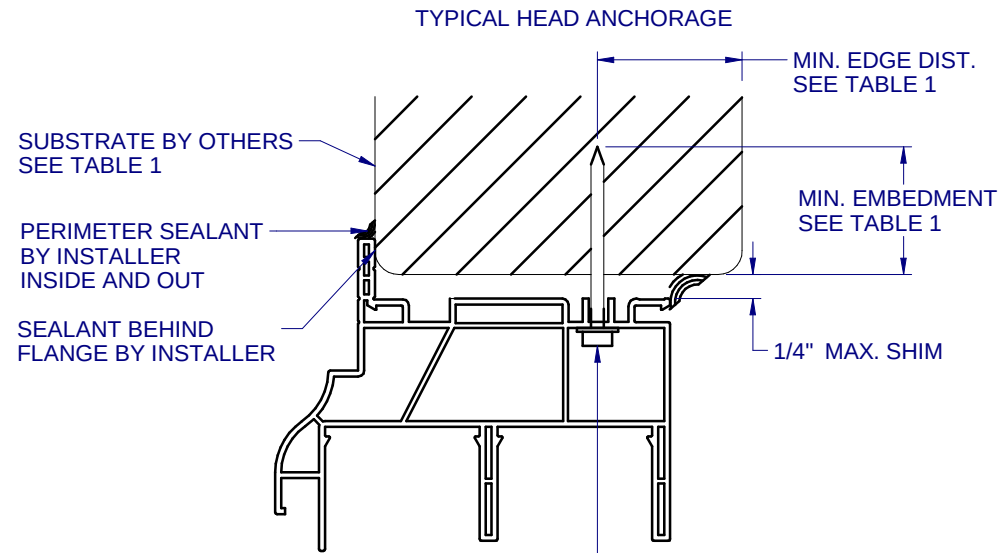
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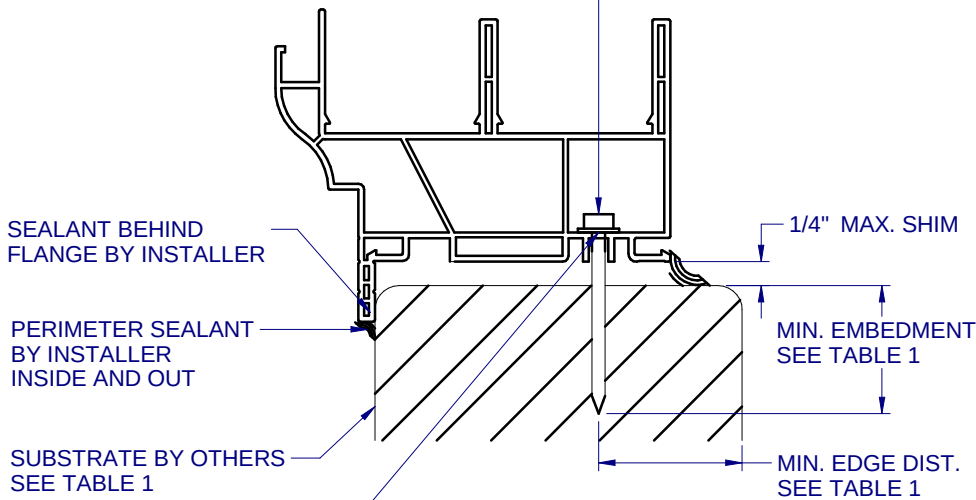
SHEET DESCRIPTION:

ANCHOR SCHEDULE AND
NOTES

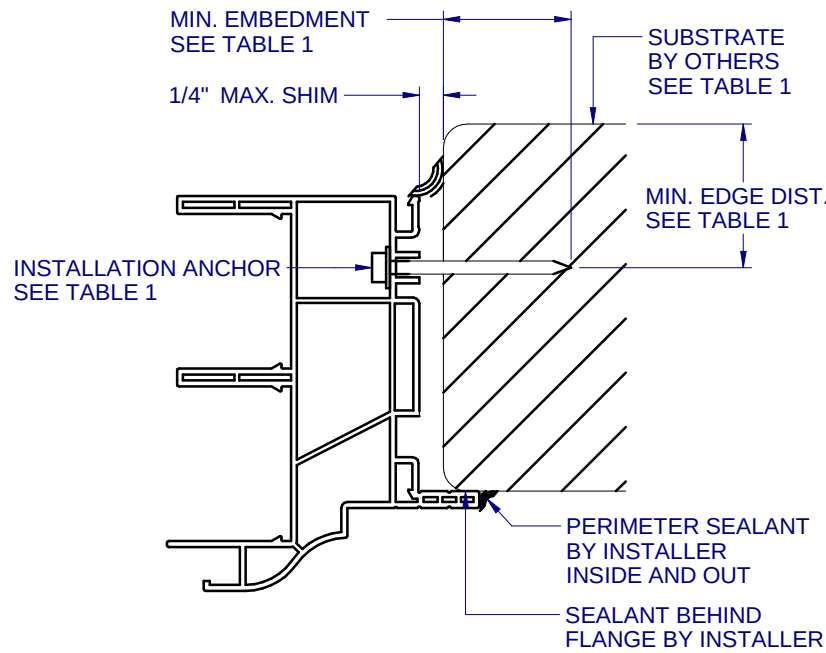
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SCALE:	SHEET
1:20	5 OF 6



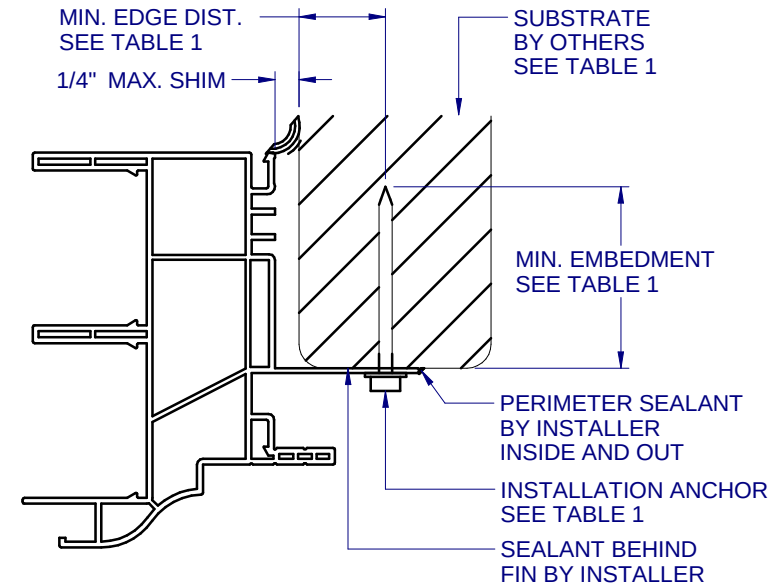
INSTALLATION ANCHOR
SEE TABLE 1



A
6 VERTICAL SECTION
TYPICAL SILL ANCHORAGE

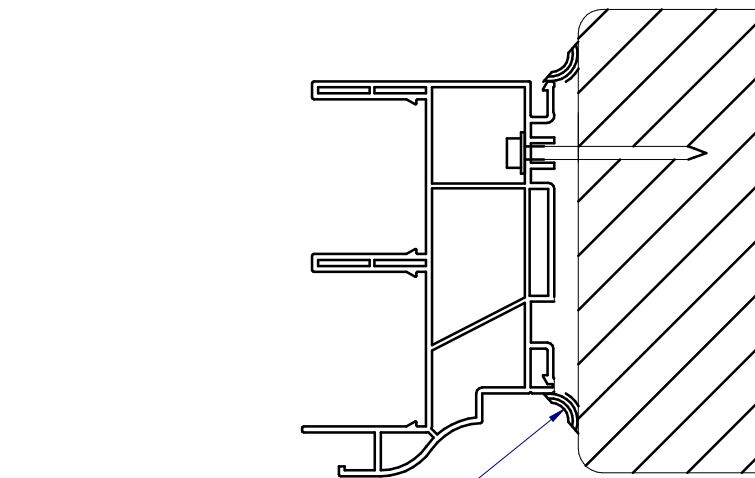


B
6 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE



C
6 HORIZONTAL SECTION
TYPICAL FIN ANCHORAGE
HEAD AND SILL SIMILAR FOR FIN INSTALLATION

NOTE: ADDITIONAL THRU-FRAME ANCHORS
(AS SHOWN IN DET. A/6) REQ'D AT MTG RAIL,
SEE SHEET 5 ANCHOR LAYOUT.



D
6 HORIZONTAL SECTION
BOX FRAME INSTALLATION
SIMILAR FOR HEAD AND SILL FOR BOX INSTALLATION

FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE,
UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

TABLE 1: APPROVED INSTALLATION FASTENERS				
FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-3/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-1/2"	1/2"

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INSTALLATION DETAILS

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1:2	6 OF 6