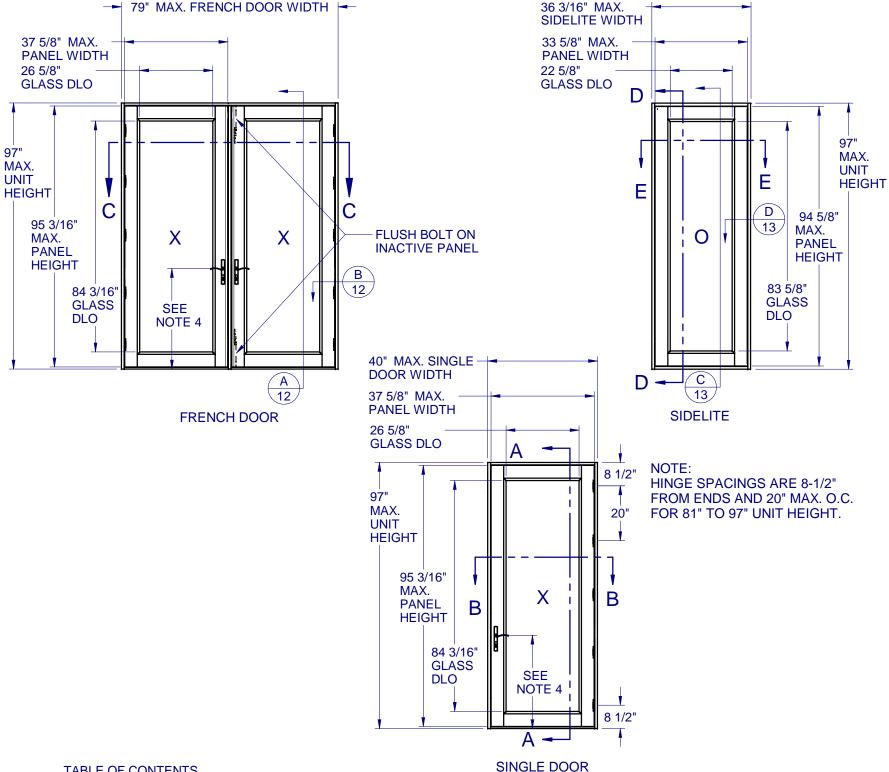
SWING DOOR & SIDELITE - NON-IMPACT



GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
- 2. GLAZING OPTIONS: (SEE SHEET 4)
- 3. CONFIGURATIONS: SINGLE OUTSWING, SINGLE OUTSWING w/SIDELITE(S), FRENCH DOOR(S), FRENCH DOOR(S) w/SIDELITE(S), SIDELITE NOT ATTACHED.
- 4. LOCK OPTIONS: UP TO 6'8":
 - A. DOUBLE BORE w/TWO (2) INTERIOR FLUSH BOLTS. HANDLE SET @ 36"
 - B. MORTISE LOCK w/ TWO (2) INTERIOR FLUSH BOLTS. HANDLE SET @ 34"
 - C. MULTIPOINT (4 PT.) HANDLE SET @ 34"
- **ABOVE 6'8":**
- A. MULTIPOINT (5 PT.) HANDLE SET @ 34"
- 5. DESIGN PRESSURE RATING (SEE SHEET 4): -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/9. -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
- 6. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 12-13 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 7. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
- 8. ALL FRAMES ARE PROCESSED AND SCREWED TOGETHER. PANELS ARE PROCESSED AND ASSEMBLED VIA TIE ROD.
- 9. SERIES / MODEL DESIGNATION SD-8700, FD-8750, SLT-8710.
- 10. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: X = OPERABLE SASH, O = FIXED SASH
- 11. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS IN A SIMILAR LOCATION.
- 12. INTERIOR FLUSH BOLTS ON ACTIVE PANEL TO BE ENGAGED PRIOR TO SEVERE WEATHER.
- 13. QUALIFIED ALTERNATIVE LOCKSET/DEADBOLT HARDWARE IS GRADE 2 BY PAMEX AND DELANY.
- 14. MAX. PANEL WIDTHS APPLY TO ALL CONFIGURATIONS, MULLED OR NON-MULLED UNITS.

OCALA, FLORIDA 34474 WWW.CWS.CC

8700/10/50 PVC **SWING DOOR NON-IMPACT**

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9/22/2023

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SHEET DESCRIPTION:

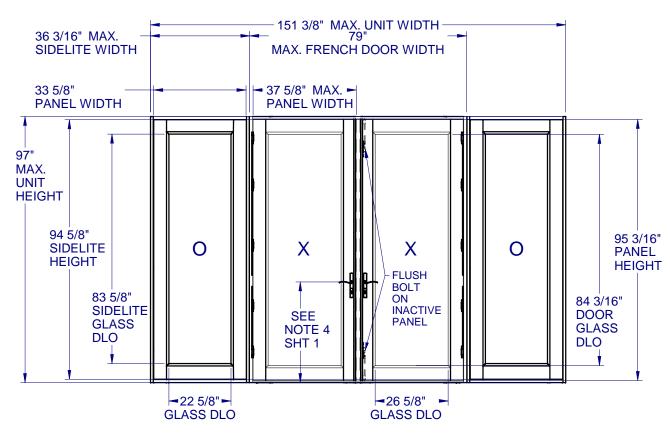
GENERAL NOTES AND ELEVATIONS

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1:35	1 OF 13

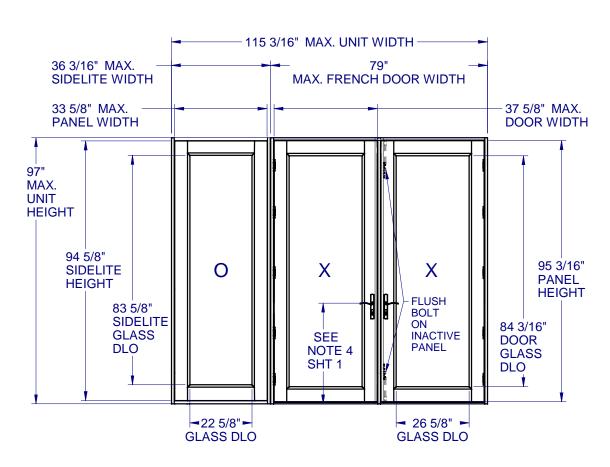
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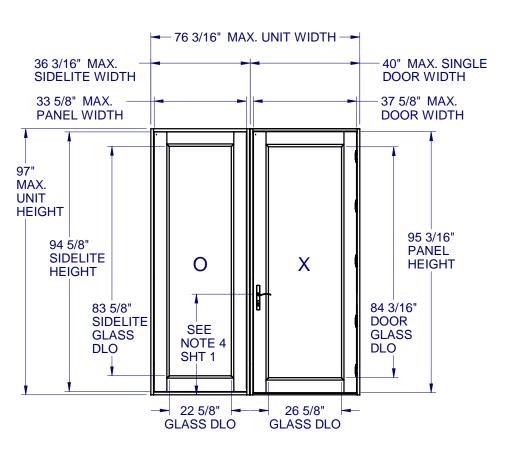
TYPE	MAX. PANEL SIZE	DESIGN PRESSURE RATING	IMPACT RATING	
SINGLE	27 5/9" v 05 2/16"	SEE COMPARATIVE ANALYSIS		
FRENCH	37-5/8 X 95-3/16		NONE	
SIDELITE	33-5/8" x 94-5/8"	CHART, SHEET 4		



FRENCH DOOR w/SIDELITES



FRENCH DOOR w/SIDLITE



SINGLE DOOR w/SIDELITE



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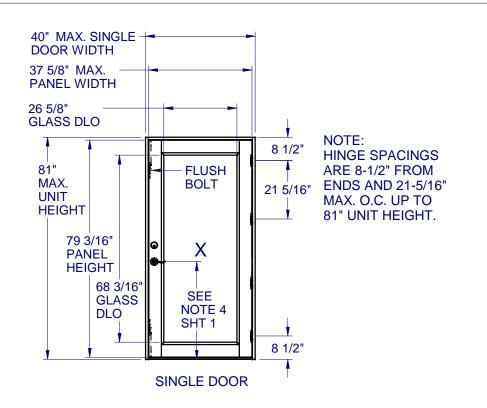
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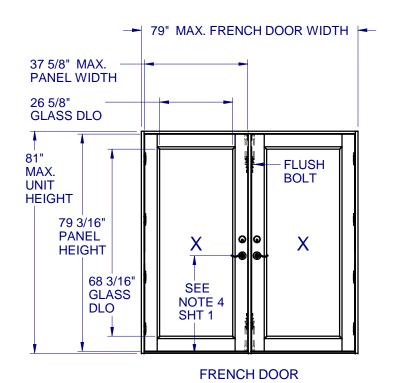
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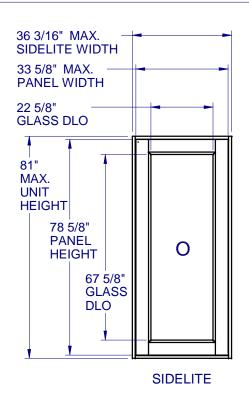
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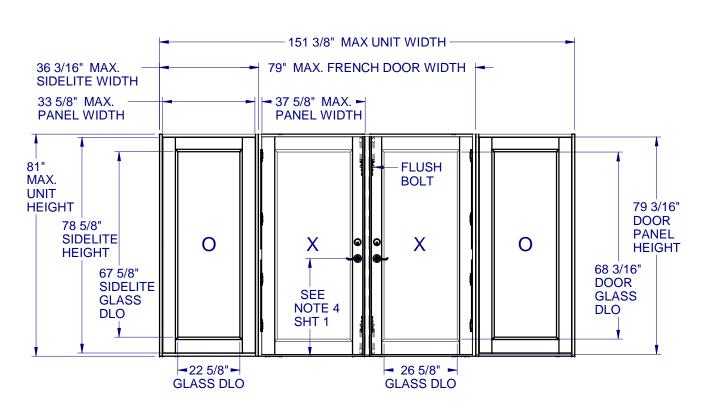
GENERAL NOTES AND ELEVATIONS

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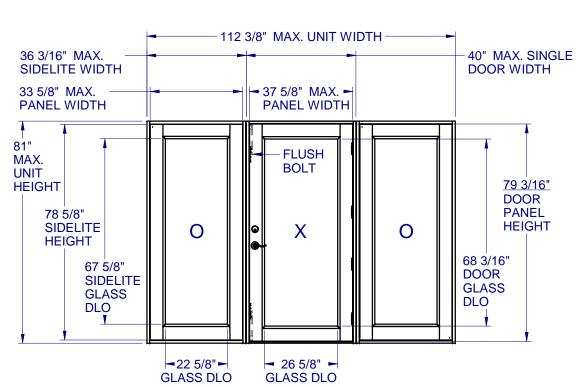












SINGLE DOOR w/SIDELITES



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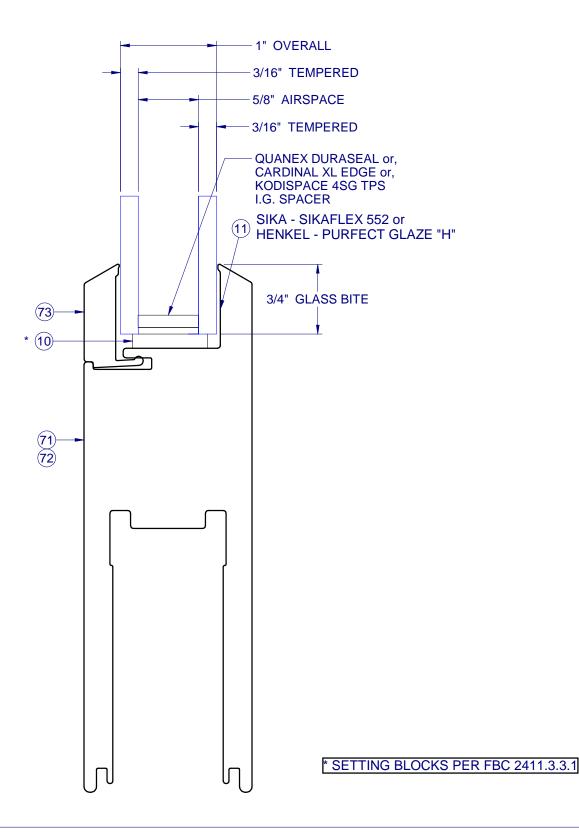
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GENERAL NOTES AND ELEVATIONS

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1:35	3 OF 13

						WIDTI	Н					
		SIDEI	LITE		X SINGLE DOOR			XX FRENCH DOOR				
HEIGHT	18	24	30	36 3/16	29 1/2	31 1/2	37 1/2	40	59 1/2	63 1/2	71 1/2	79
78	+70.0 / -140.0	+70.0 / -126.2	+70.0 / -101.9	+70.0 / -70.0	+70.0 / -116.0	+70.0 / -110.2	+70.0 / -79.8	+70.0 / -70.0	+70.0 / -113.7	+70.0 / -108.3	+70.0 / -85.5	+70.0 / -70.0
84	+70.0 / -140.0	+70.0 / -115.7	+70.0 / -96.6	+70.0 / -70.0	+70.0 / -106.0	+70.0 / -100.6	+70.0 / -79.8	+70.0 / -70.0	+70.0 / -103.9	+70.0 / -98.8	+70.0 / -85.5	+70.0 / -70.0
90	+70.0 / -137.1	+70.0 / -106.8	+70.0 / -88.8	+70.0 / -70.0	+70.0 / -97.6	+70.0 / -92.5	+70.0 / -79.8	+70.0 / -70.0	+70.0 / -95.6	+70.0 / -90.8	+70.0 / -82.8	+70.0 / -70.0
97	+70.0 / -126.2	+70.0 / -98.0	+70.0 / -81.3	+70.0 / -70.0	+70.0 / -89.3	+70.0 / -84.5	+70.0 / -73.5	+70.0 / -70.0	+70.0 / -87.4	+70.0 / -82.9	+70.0 / -75.5	+70.0 / -70.0
	WHEN DOOR	RS ARE ASSEM	IBLED WITH SID	ELITES, THE L	ESSER OF THE	SIDELITE PRE	SSURE OR DO	OOR PRESSU	RE FROM THE T	ABLES ABOVE	SHALL APPL	Υ.





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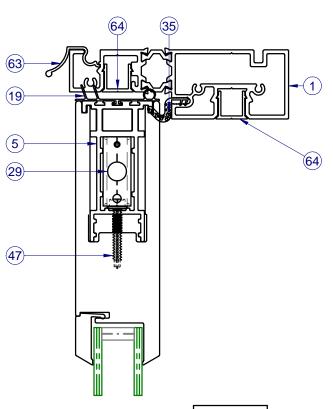
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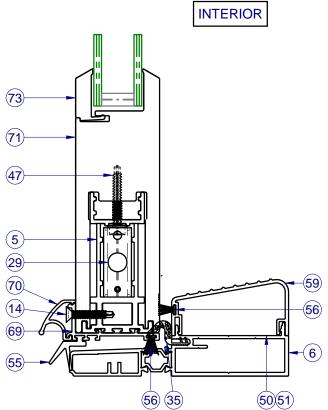
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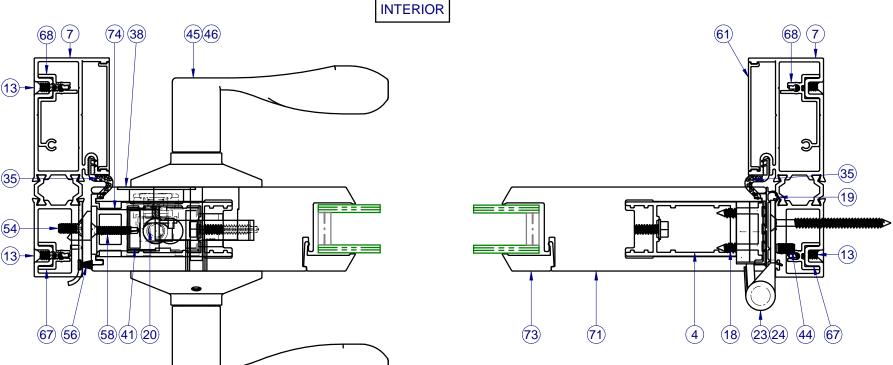
COMPARATIVE ANALYSIS AND GLAZING DETAIL

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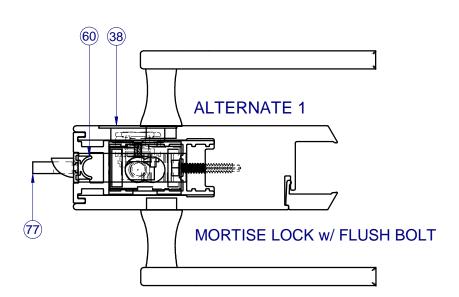


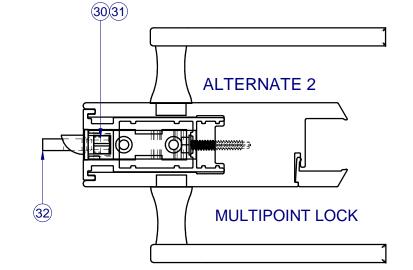


SECTION VIEW A-A



SECTION VIEW B-B





ITEMS NOT SHOWN FOR CLARITY: 10-12, 15-17, 22, 43, 48, 54, 57-58

ITEMS NOT USED IN VERSION SHOWN: 2-3, 8-9, 15-16, 25-28, 30-34, 36-40, 43, 52-53, 60, 62, 65-66, 72, 76



8700/10/50 PVC **SWING DOOR NON-IMPACT**

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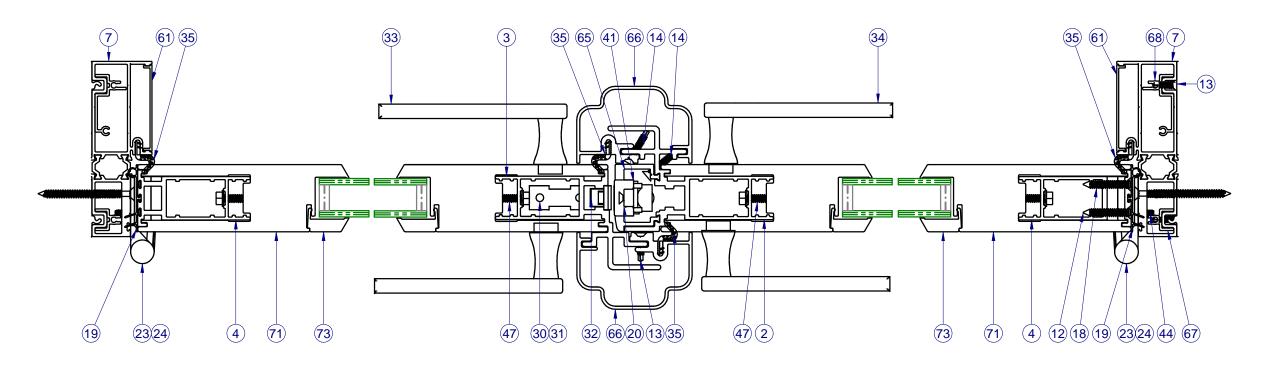
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SHEET DESCRIPTION:

SECTION VIEWS SINGLE DOOR

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1:2	5 OF 13

INTERIOR



SECTION VIEW C-C



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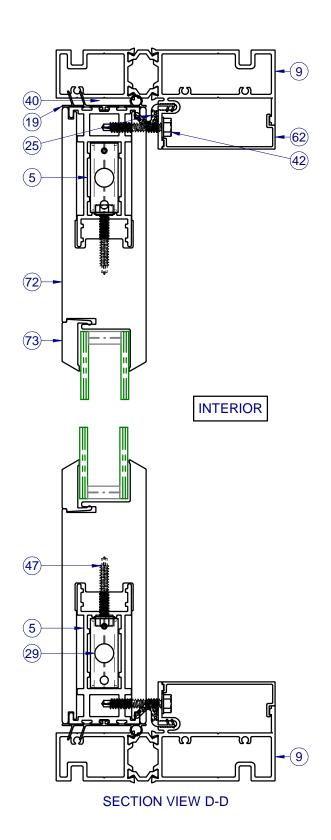
SECTION VIEWS FRENCH DOOR

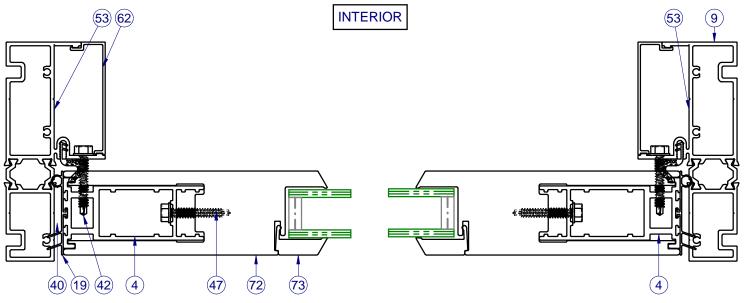
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1:2	6 OF 13

NOTE: VERTICAL SECTION SIMILAR TO SINGLE DOOR, SEE SHEET 5

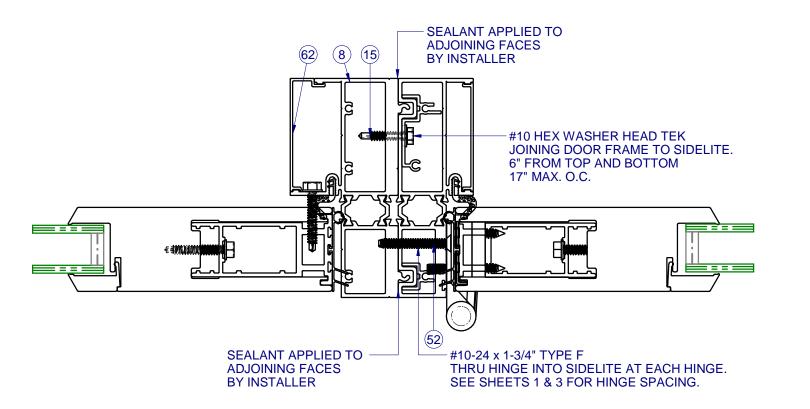
ITEMS NOT SHOWN FOR CLARITY: 10-12, 15-17, 22, 26-28, 36-39, 43, 54, 57

ITEMS NOT USED IN VERSION SHOWN: 8-9, 15-16, 25, 40, 42, 45-46, 48, 52-53, 58, 60, 74, 76





SECTION VIEW E-E



ITEMS NOT SHOWN FOR CLARITY: 10-11, 16, 22, 28, 43, 57

ITEMS NOT USED IN VERSION SHOWN: 1-3, 6-15, 17-18, 20-21, 23-24, 26-27, 30-39, 41, 44-46, 48-52, 54-56, 58-61, 63-71, 74-76



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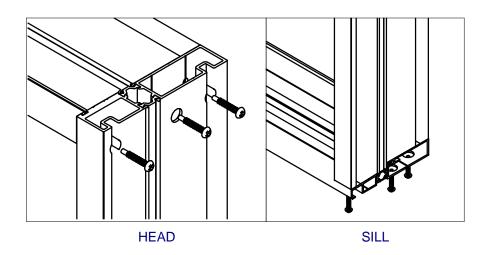
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SECTION VIEWS ATTACHED SIDELITE

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1.2	7 OF 13

PARTS LIST				
ITEM	PART#	DESCRIPTION	MATERIAL	
1	H-1833	MAIN FRAME, HEAD	ALUM	
2	H-1857	ASTRAGAL, INACTIVE, FD, PVC	ALUM	
3	H-1858	ASTRAGAL, ACTIVE, FD, PVC	ALUM	
4	H-1860	REINFORCEMENT, VERT.	ALUM	
5	H-1861	REINFORCEMENT, HORIZ.	ALUM	
6	H-1928	Threshold, Base, T/B, (FD-8700)	ALUM	
7	H-1880	MAINFRAME, JAMB	ALUM	
8	H-1881	MAINFRAME, SIDELITE @ DOOR	ALUM	
9	H-1900	MAINFRAME, SIDELITE @ JAMB, HEAD, SILL	ALUM	
10	P-5531	Setting Block, .09 x 1 x 2		
11		SIAKFLEX 552 or PURFECT GLAZE "H"		
12	P-3503	SCREW #8 X 1/2" PH TRUSS SS @ ASTRAGAL CAP		
13	P-3511	#8 x 5/8" SQUARE, PH, TEK TYPE AB		
14	P-3587	#8 x 1" Ph FH TEK		
15	P-3767	SCREW, #10 X 1" HEX HEAD, TEK @ SIDELITE		
16	P-4146	#8 x 3/4" Ph FH TEK		
17	P-4278	FUZZY PAD, .200" X 1.250" W/ADHESIVE		
18	P-4276 P-4522	#10 X 1 1/4", PH FLAT, SMS - HINGE @ PANEL		
19	P-4774B	WSTP, BULB/LEAFS, PANEL		
20	P-4790	FLUSH BOLT, ASSM, TOP/BTM		
22	P-4802	ALL THREADED ROD (TIE ROD)		
23	P-4807	HINGE, GUIDE		
24		HINGE, SET		
25	P-4814	WSTP, .50X.750 FOLDED BULB SEAL, @ SIDELITE		
26	P-4863	LOCK STRIKE PLATE		
27	P-4864	RHINO STRIKE PLATE		
28	P-4866	GUIDE, TIE ROD		
29	P-5344	BRACKET ASSM, 8700 TIE ROD BRACKET	ZINC	
30	P-4885	SHOOT BOLT, TOP		
31	P-4886	SHOOT BOLT, BOTTOM		
32	P-4851	LOCKBAR, INACTIVE, 8 FT		
32	P-4884	LOCKBAR, MULTI-POINT, 5PT, 8 FT		
32	P-4901	LOCKBAR, MULTI-POINT, 4PT, 6'8 FT		
32	P-4902	LOCKBAR, INACTIVE, 6'8 FT		
33	P-4903	HANDLE SET, ACTIVE		
34	P-4905	HANDLE SET, INACTIVE		
35	P-4913	WSTP, .50X.50 FOLDED BULB SEAL, @ DOOR		
36	P-4917	CAP, ASTRAGAL, OUTSIDE	NYLON	
37	P-5159	Guide, Flush Bolt (8750, use with 1849)		
38	P-4922	COVER, INTERIOR, FLUSH BOLT	NYLON	
39	P-4925	CAP, ASTRAGAL, INSIDE	NYLON	
40	P-4926	SHIM, SIDELITE, DOOR SHIPPING BLOCK		
41	P-5159	Guide, Flush Bolt (8750, use with 1849)	NYLON	
42	P-5219	12-24 X 1-3/4", PHIL FLAT, SS, MS (8710 MULL SCREW)		
43	P-4933	NUT, 3/8"-16 FLANGED W/ SERRATED LIP, SS, @ PANEL		
44	P-4934	SCREW, #12-24 X 3/4" Machine Screw (Hinge Screw 8700)		
45	P-4936	DOOR KNOB, ACTIVE PANEL *		
46	P-4937	DEADBOLT, ACTIVE PANEL *		
47	P-4969	#10 x 2" Quad Rd. Washer Screw		
48	P-4997	STRIKE, DEADBOLT		
49	P-5127	SCREW, #12 X 2", PH PAN, SMS, ANCHOR	1	
50	P-5130	GASKET, DOOR SILL, FRONT	FOAM	
	1 -0100	ONONE I, DOOR OILE, I NOINI	i OAW	

	PARTS LIST				
ITEM	PART #	DESCRIPTION	MATERIAL		
51	P-5131	GASKET, DOOR SILL, BACK	FOAM		
52	P-5134	SCREW, #10 X 1-3/4" FLAT SQUARE TYPE F @ HINGE			
53	P-5151	GASKET, SIDELITE	FOAM		
54	P-5157	SCREW #10-24 x 1/2", FI Undercut PH, 18-8SS @ KEEPER			
55	P-5158	Drip FLAP for 8700 Door	RUBBER		
56	P-5172	WSTP, .370 X .187, TRI FIN, BLACK			
57	P-5174	SCREW #8 X 3/4" HEX WASHER HEAD, @ FRAME			
58	P-5186	SCREW #8-32 X 1-1/4" PH, FL MS, SS @ PLUNGER	SS		
59	S-1783	THRESHOLD, HIGH RISE	ALUM		
60	S-1784	INSERT, REINFORCEMENT	ALUM		
61	S-1806	COVER, JAMB, ANCHOR	ALUM		
62	S-1816	COVER, JAMBS, HEAD, SILL, SIDELITE	ALUM		
63	S-1817	DRIP CAP	ALUM		
64	S-1840	COVER, HEAD, ANCHOR	ALUM		
65	S-1849	INSERT, INACTIVE PNL, LOCK HARDWARE			
66	S-1859	COVER, ASTRAGAL, FD	ALUM		
67	S-1864	INSERT, FRONT, BTM ATTACH SILL	ALUM		
68	S-1865	INSERT, BACK, BTM ATTACH SILL	ALUM		
69	S-1915	BASE, SWEEP	ALUM		
70	S-1916	DRIP COVER, SWEEP	ALUM		
71	S-6083	PANEL, TOP/BTM RAIL, SIDES - DOOR	PVC		
72	S-6083	PANEL, TOP/BTM RAIL, SIDES - SIDELITE	PVC		
73	S-6084	GLAZING BEAD (1")	PVC		
74	H-1888	REINFORCEMENT, VERT., SINGLE DOOR	ALUM		
75	GLASS	SEE SHEET 4			
76	H-1862	REINFORCEMENT, VERT.	ALUM		
77	P-4887	MORTISE LOCK			



ALL FRAMES ARE MECHANICALLY FASTENED

* ALTERNATE APPROVED LOCKSETS: PAMEX GRADE 2 LOCKSET AND DEADBOLT



8700/10/50 PVC SWING DOOR NON-IMPACT

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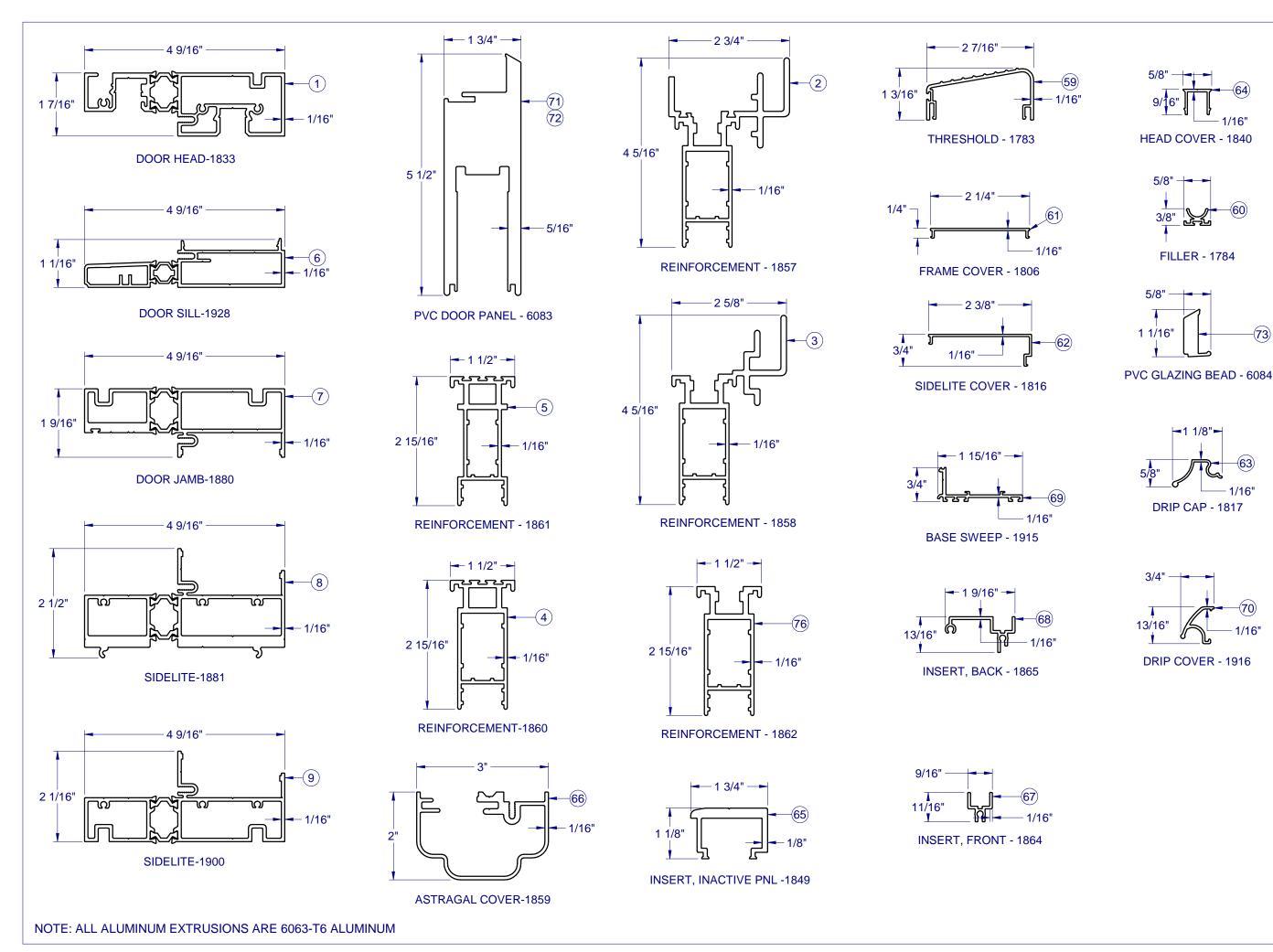
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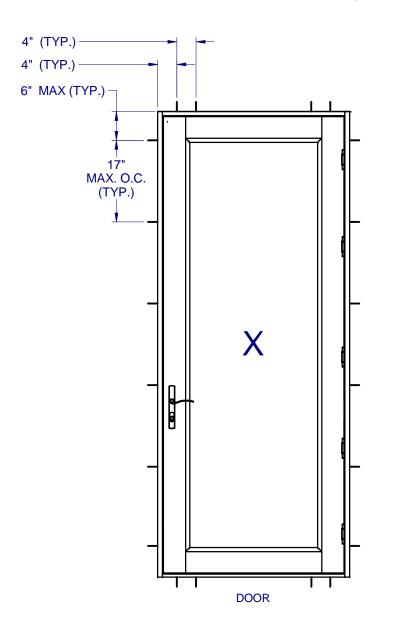
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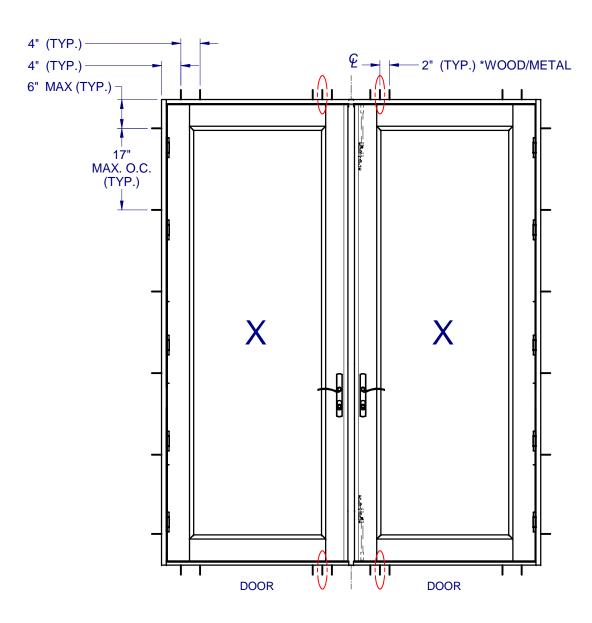
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EXTRUSIONS

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CWS-640	E
SCALE:	SHEET

* CIRCLED ANCHOR LOCATIONS REQ'D ONLY IN WOOD AND METAL INSTALLATIONS. DO NOT INSTALL THESE ANCHORS INTO MASONRY.





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 12.
- 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 12.
- 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: 4" FOR MASONRY, 2-3/16" FOR HINGES (ALL SUBSTRATES), 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 12. 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)



8700/10/50 PVC SWING DOOR NON-IMPACT

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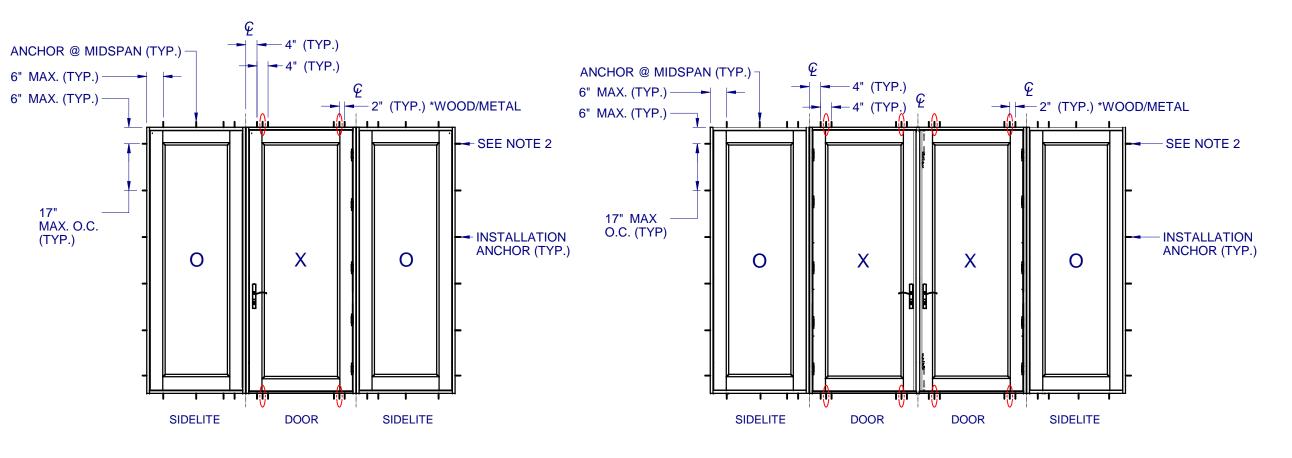
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SHEET DESCRIPTION:

ANCHOR SCHEDULE AND NOTES

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SCALE:	SHEET
1:20	10 OF 13

* CIRCLED ANCHOR LOCATIONS REQ'D ONLY IN WOOD AND METAL INSTALLATIONS. DO NOT INSTALL THESE ANCHORS INTO MASONRY.



ANCHOR @ MIDSPAN (TYP.)

6" MAX. (TYP.)

6" MAX. (TYP.)

- 4" MAX (TYP.)

MAX. O.C.

0

SIDELITE

(TYP.)

-4" (TYP.)

4" (TYP.)

DOOR

→ 2" (TYP.) *WOOD/METAL

ANCHOR @ MIDSPAN (TYP.)

6" MAX. (TYP.)

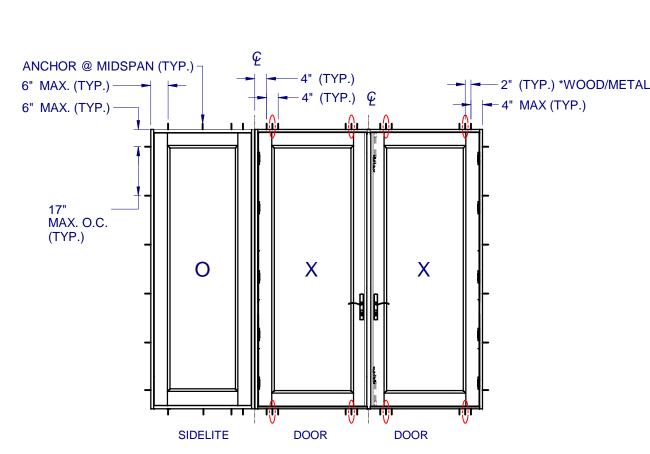
6" MAX. (TYP.)

MAX. O.C.

0

SIDELITE

(TYP.)





8700/10/50 PVC SWING DOOR NON-IMPACT

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ANCHOR SCHEDULE AND NOTES

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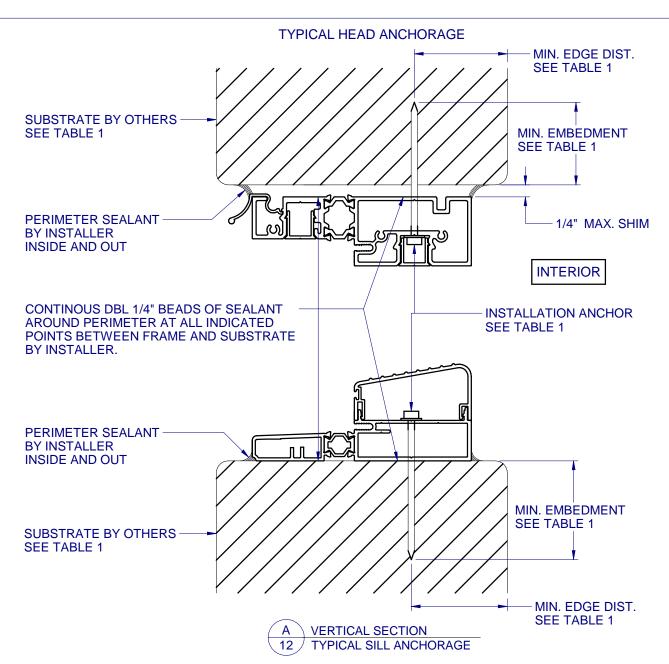
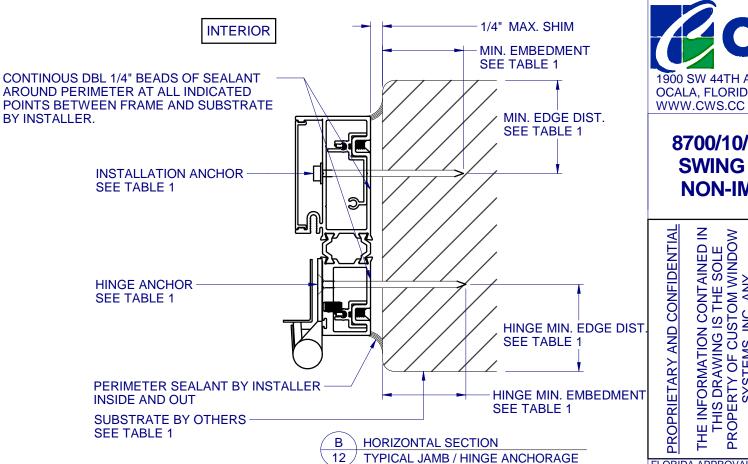
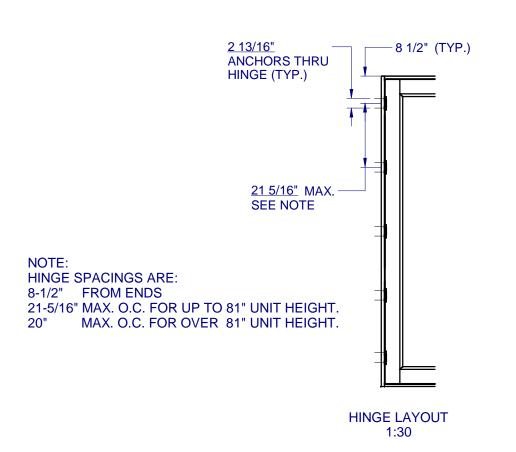


TABLE 1: APPR	ROVED INSTALLATION FASTENERS	3	
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" DEWALT ULTRACON+	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	1/4" DEWALT ULTRACON+	1-3/8"	7/8"
2X MIN. SOUTHERN PINE (G=0.55)	#12 WOOD SCREW	1-3/8"	7/8"
16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#12-14 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	1/2"
1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#12 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	1/2"
HINGE ANCHORS INTO CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	2-1/2"
HINGE ANCHORS INTO GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-1/4"	2-1/2"
HINGE ANCHORS INTO 2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
HINGE ANCHORS INTO 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"	1/2"
HINGE ANCHORS 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"	1/2"







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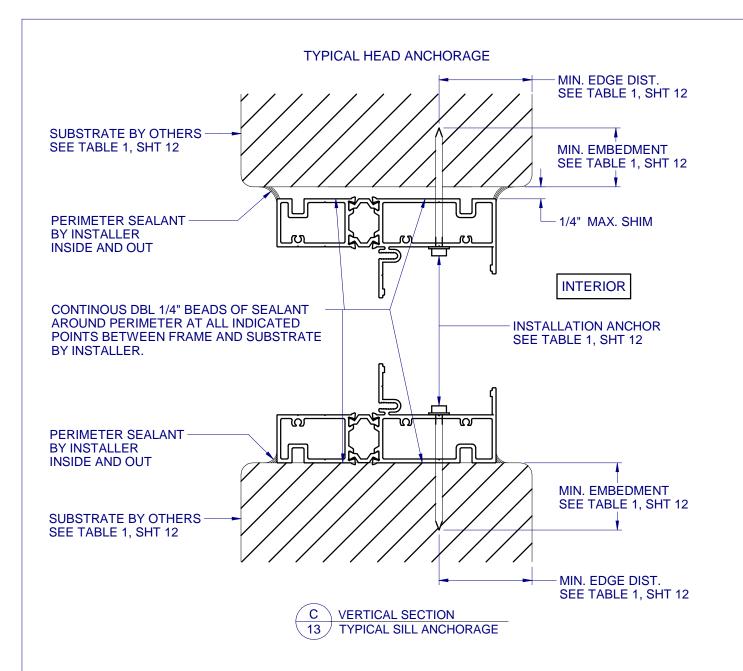
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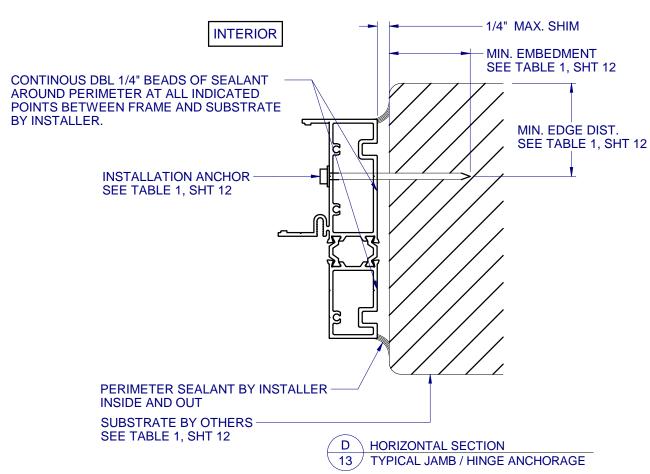
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