

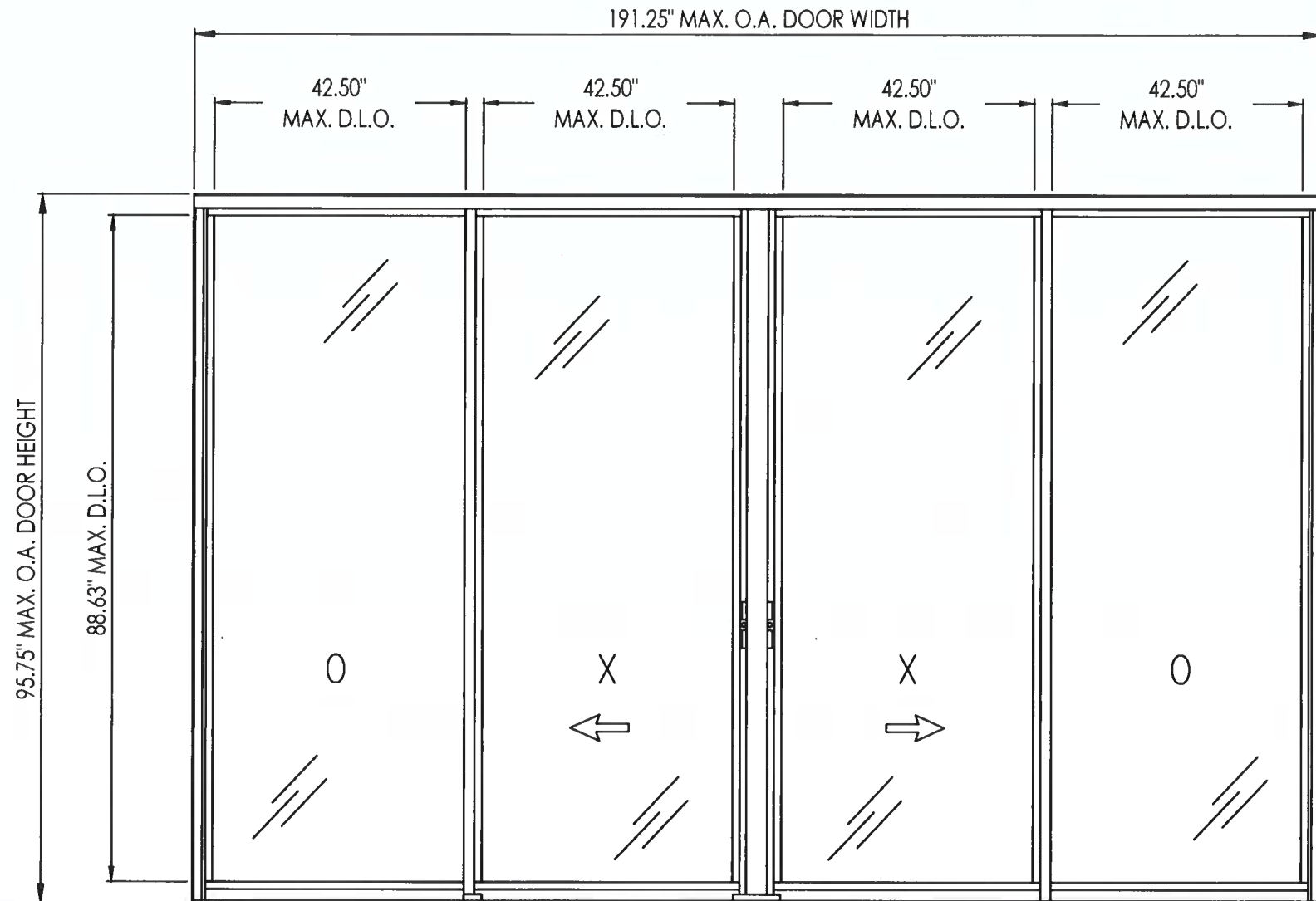
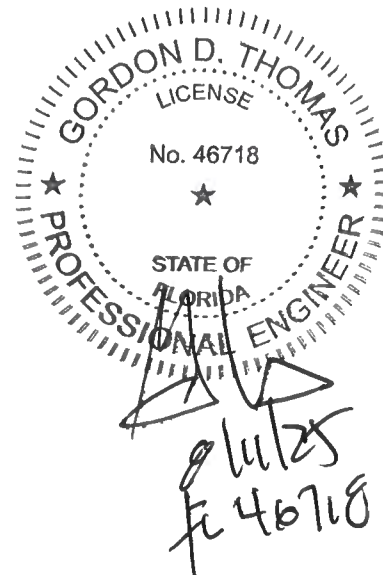


SUNDOR 5000 SLIDING GLASS DOOR "LARGE MISSILE IMPACT"

GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Section 1626.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.2 of the FBC.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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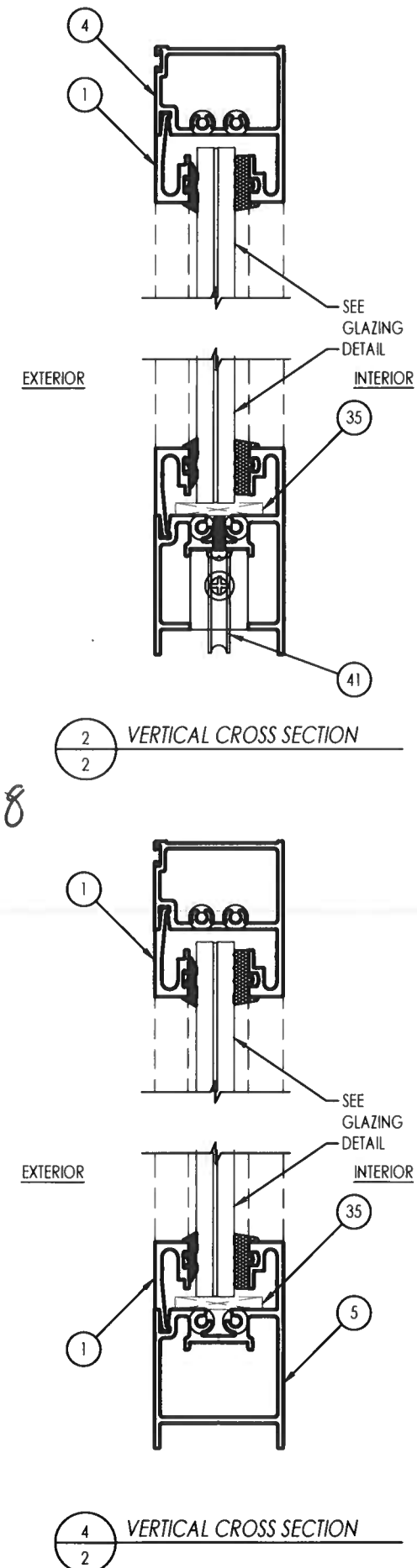
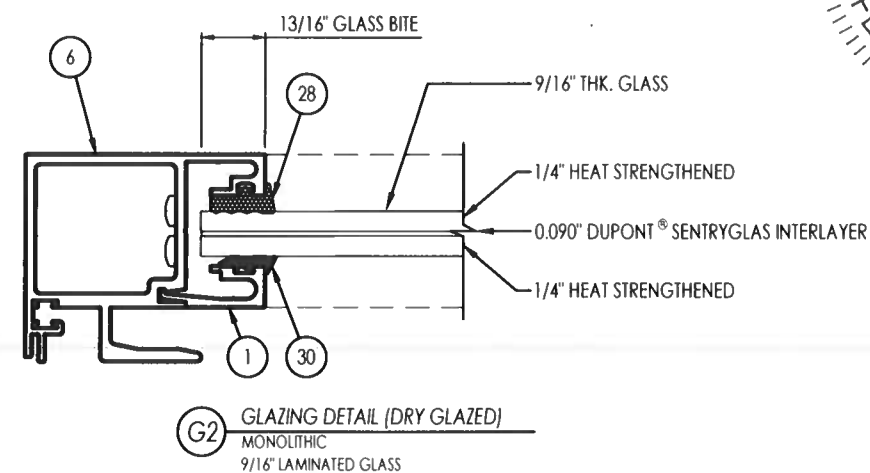
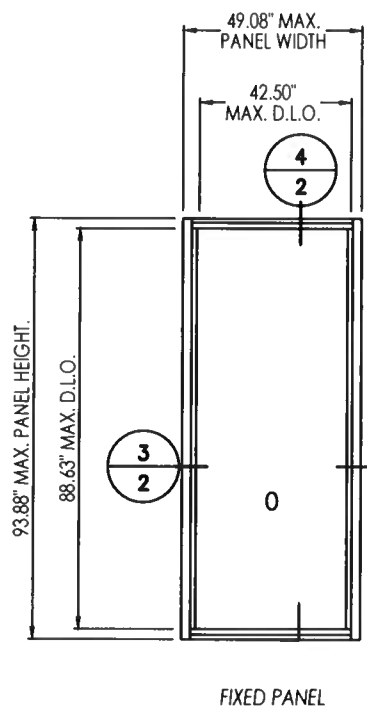


O.A. FRAME DIMENSION	D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
191.25" x 95.75"	42.50" x 88.63"	G1	115.0	135.0
191.25" x 95.75"	42.50" x 88.63"	G2	115.0	135.0

5008 TAMPA WEST BLVD.
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FAX: (813) 886-0666



PRODUCT: SLIDING GLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		ECV	BY
		FBC	
		UPDATE TO 8TH ED. (2023)	
		JCB	
		FBC	
		UPDATE TO 7TH ED. (2020)	
		ECV	
		FBC	
		UPDATE TO 6TH ED. (2017)	
		LFS	
		FBC	
		UPDATE TO 5TH ED. (2014)	
		NO	
		DATE	
		DESCRIPTION	
		REVISIONS	
DATE: 08/09/19			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.7			
SHEET: 1 OF 11			



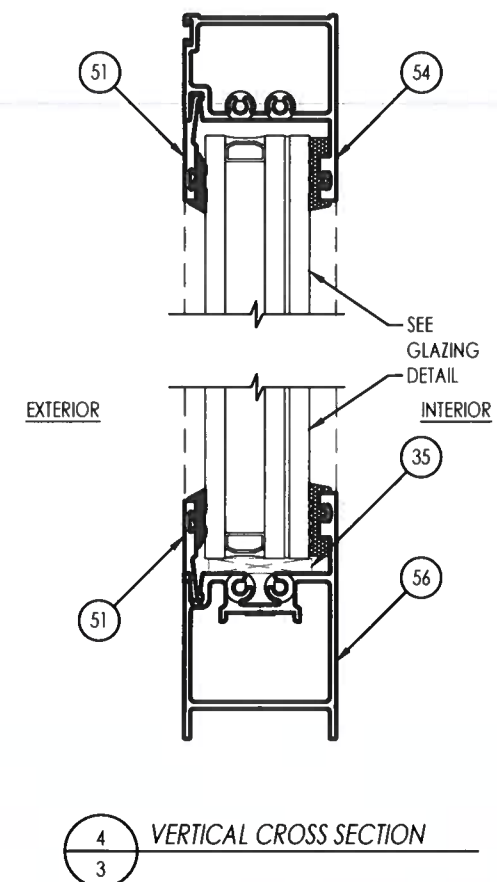
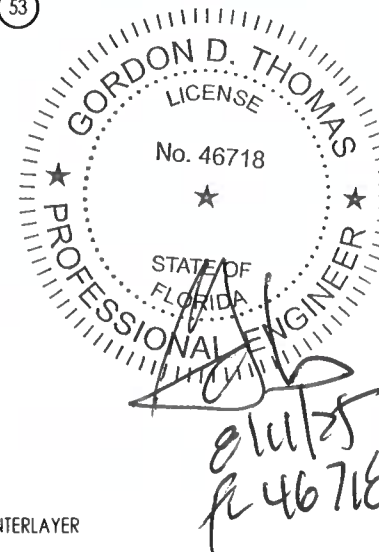
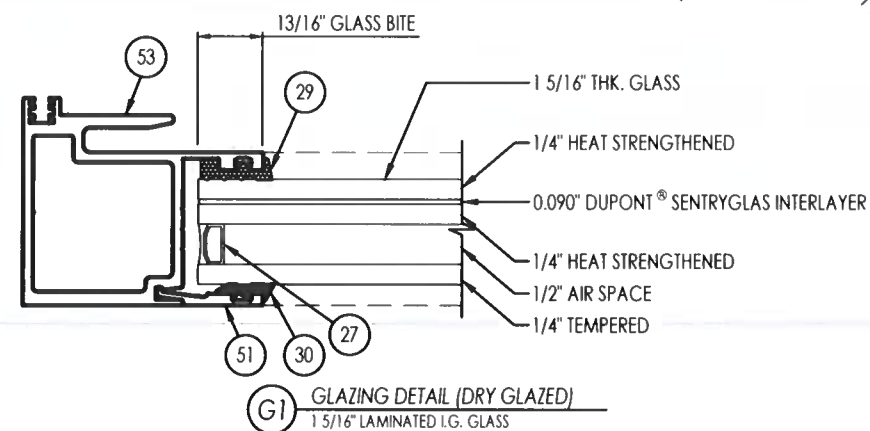
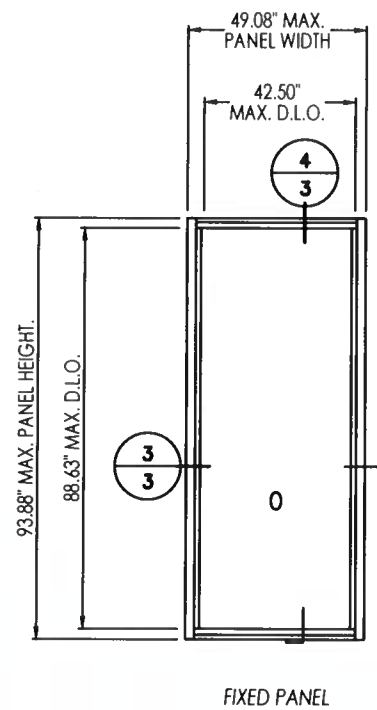
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SLIDING GLASS DOOR

DOOR PANEL DETAILS

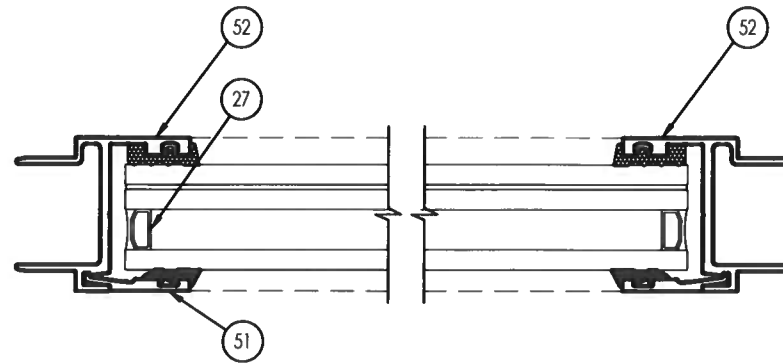
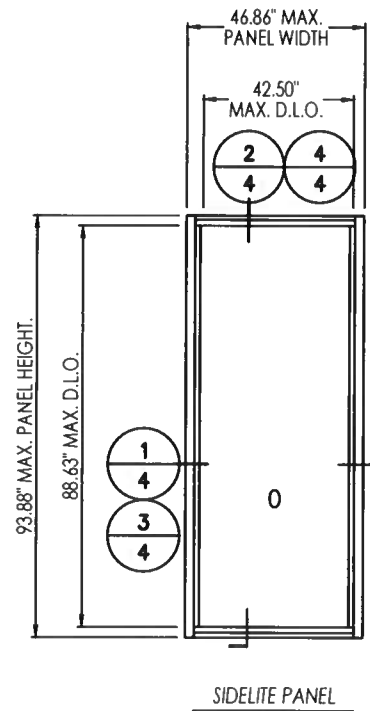
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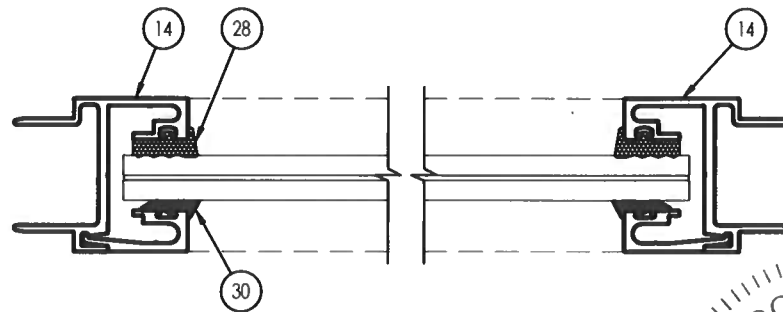
PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY:

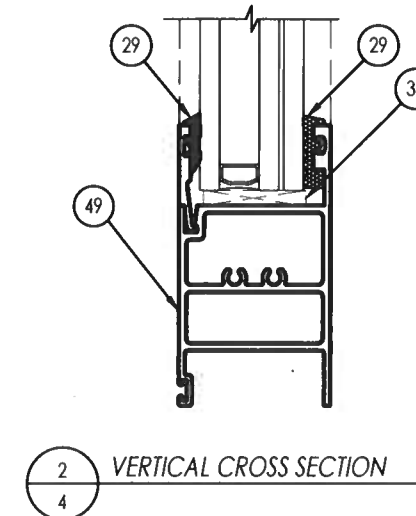
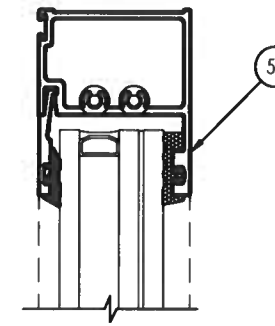
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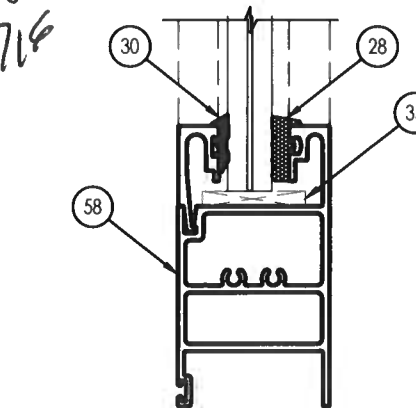
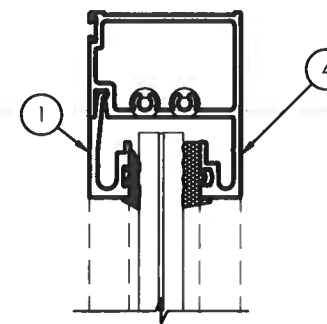
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4 HORIZONTAL CROSS SECTION



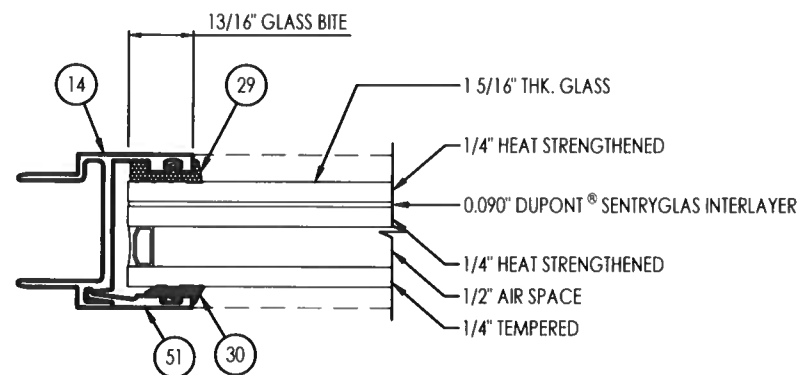
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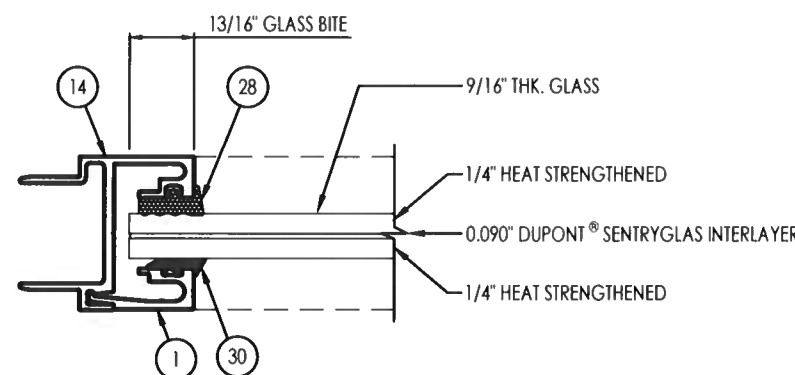
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4 VERTICAL CROSS SECTION



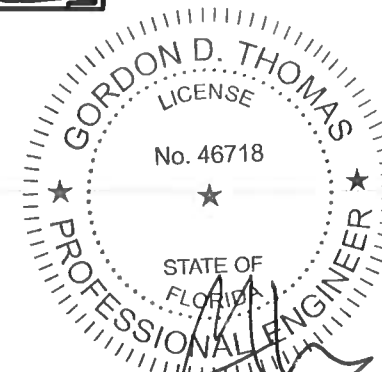
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4 VERTICAL CROSS SECTION



G1 GLAZING DETAIL
1 5/16" LAMINATED I.G. GLASS



G2 GLAZING DETAIL
MONOLITHIC
9/16" LAMINATED GLASS



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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	

DATE: 08/09/19

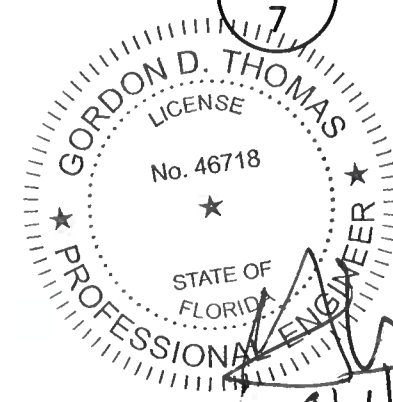
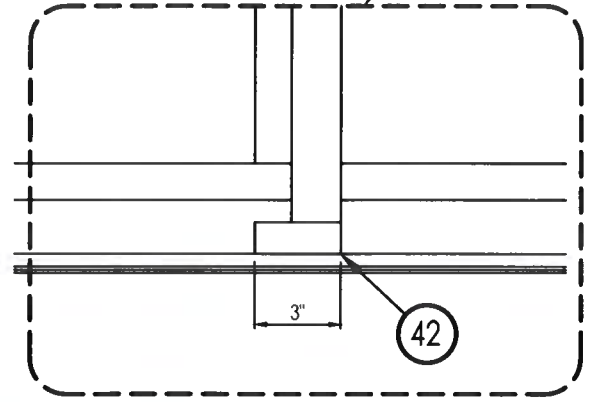
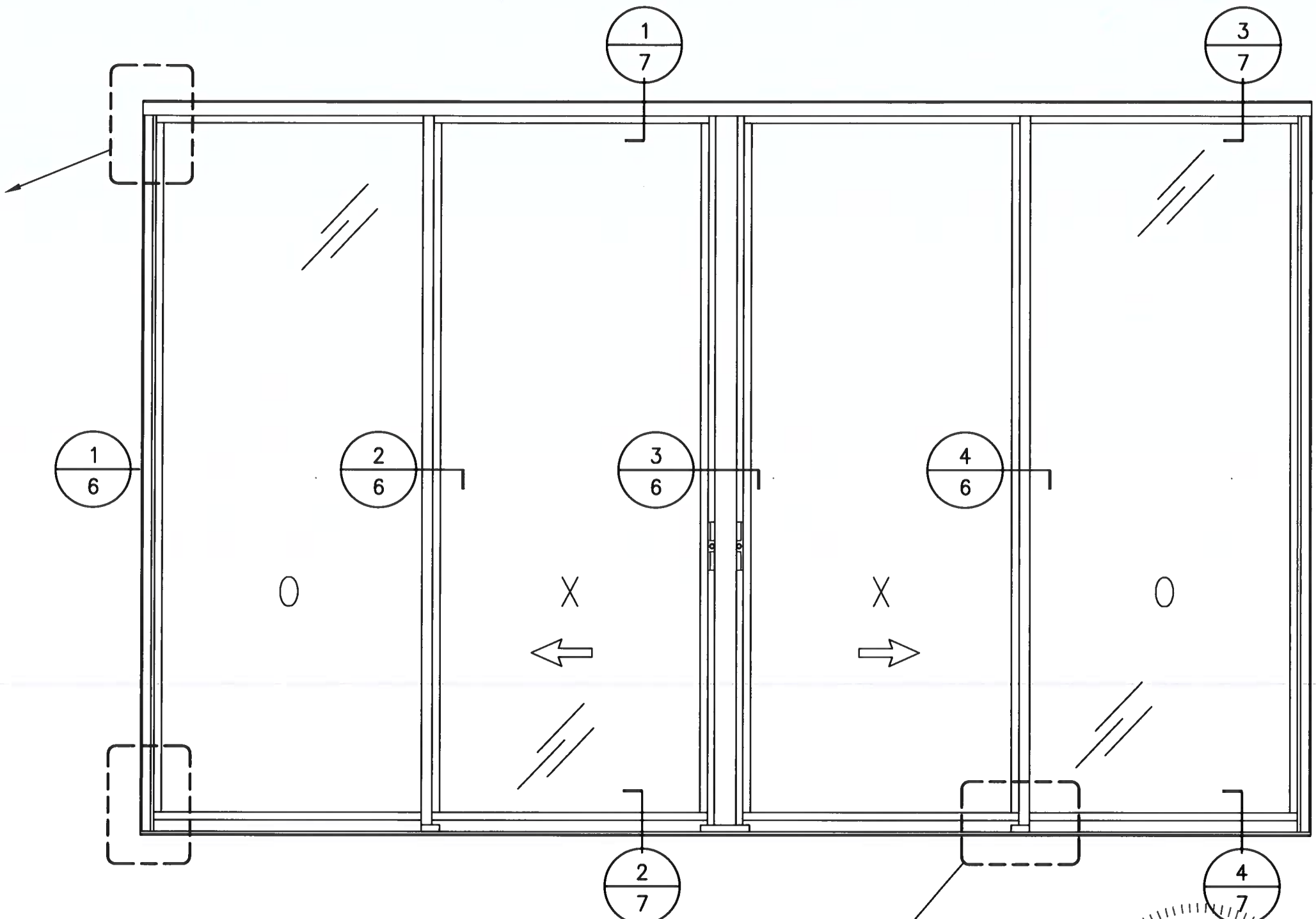
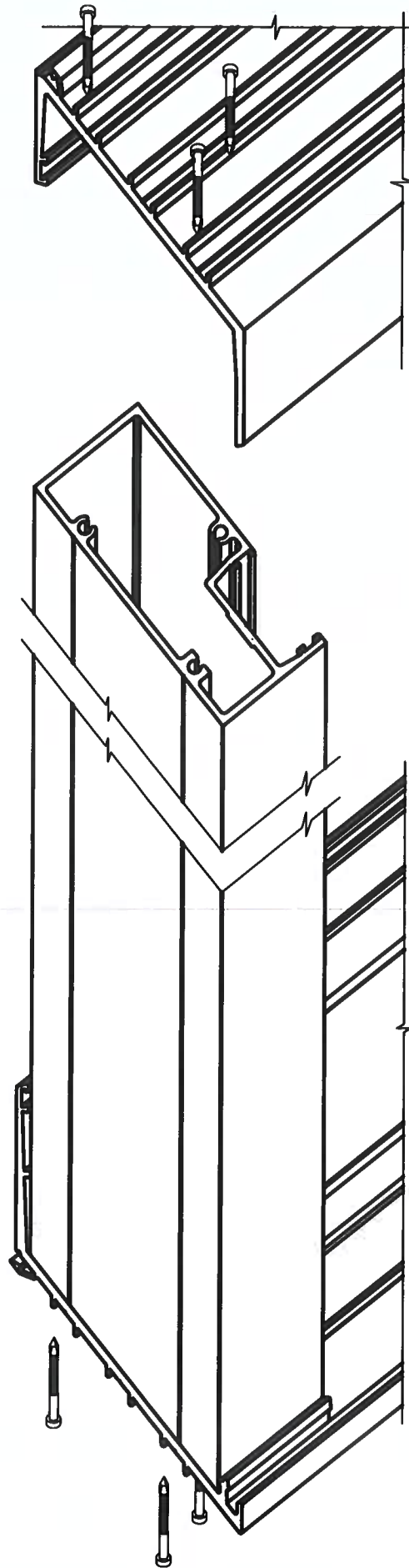
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.7

SHEET: 4 OF 11



8/11/25
FL 46716

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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
CORNER DETAILS

NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	ECV
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	JCB
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	ECV
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	LFS

DATE: 08/09/19

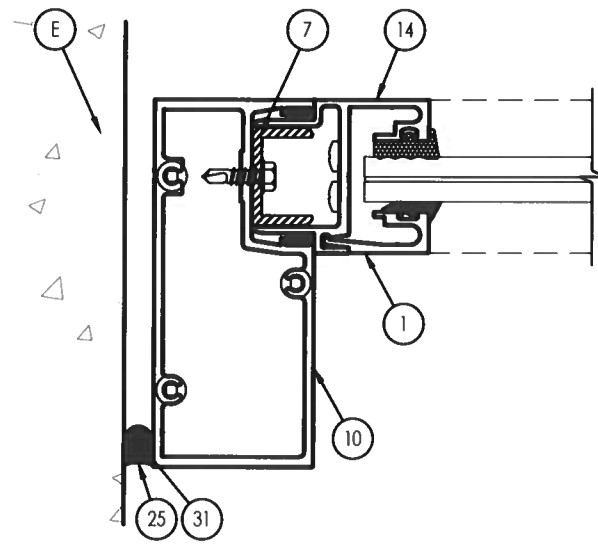
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DWG. BY: CO

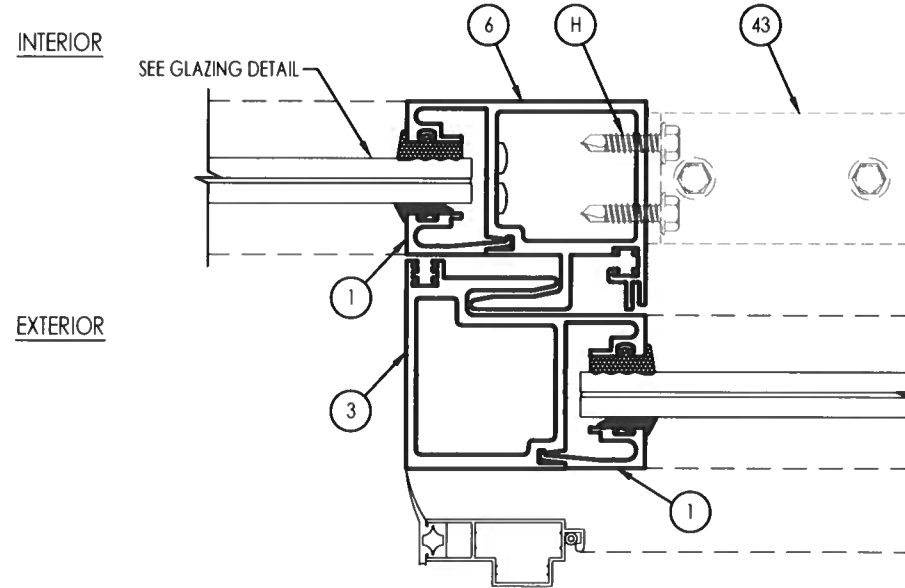
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DRAWING NO.:
FL-15903.7

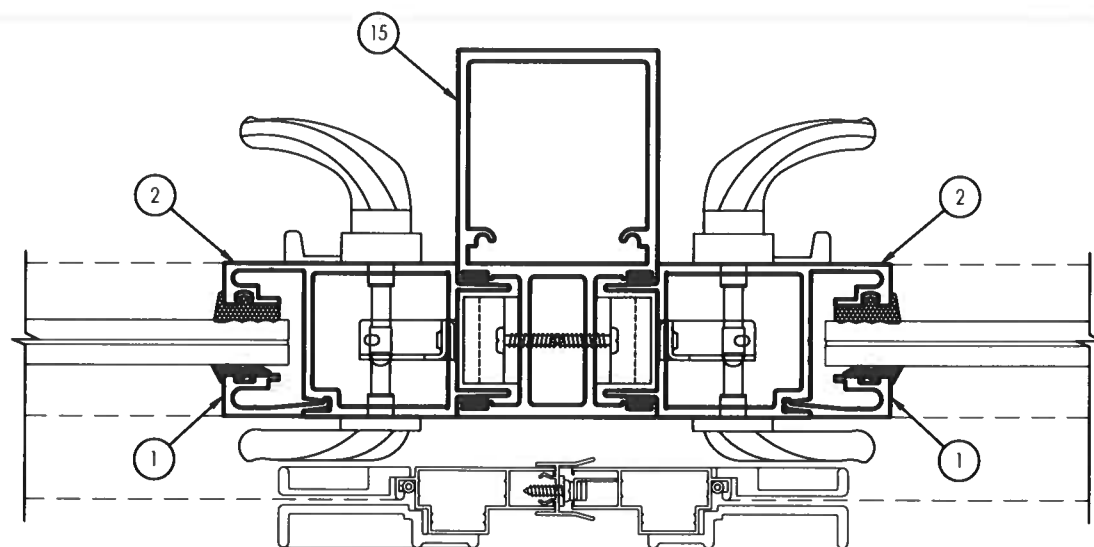
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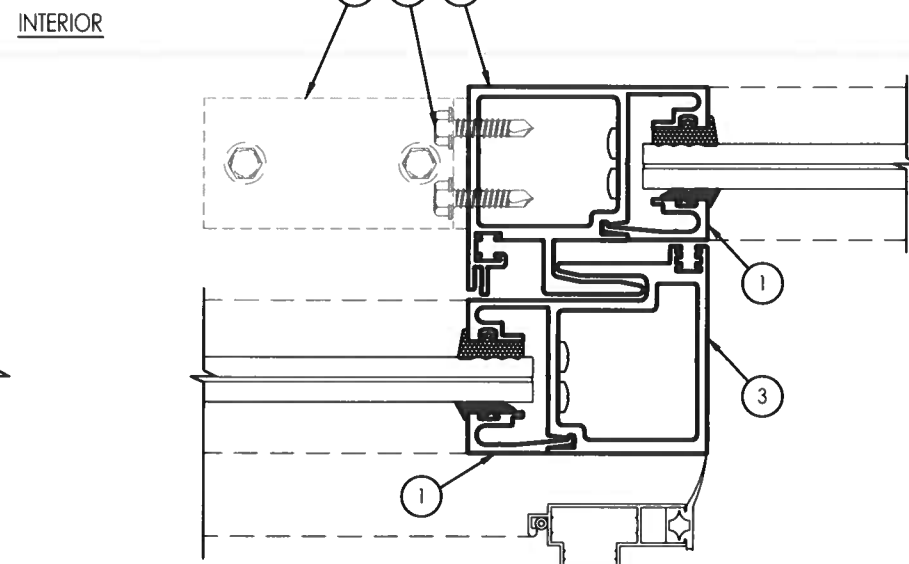
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6 HORIZONTAL CROSS SECTION



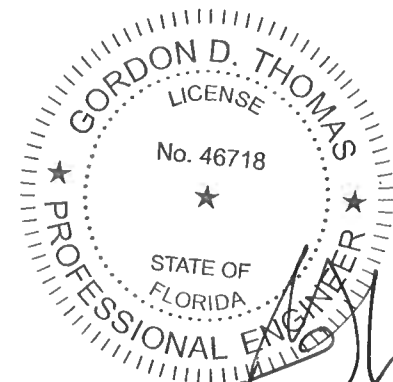
2
6 HORIZONTAL CROSS SECTION



3
6 HORIZONTAL CROSS SECTION



4
6 HORIZONTAL CROSS SECTION



8/11/25
FL46718

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PRODUCT: SLIDING GLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS

DATE: 08/09/19

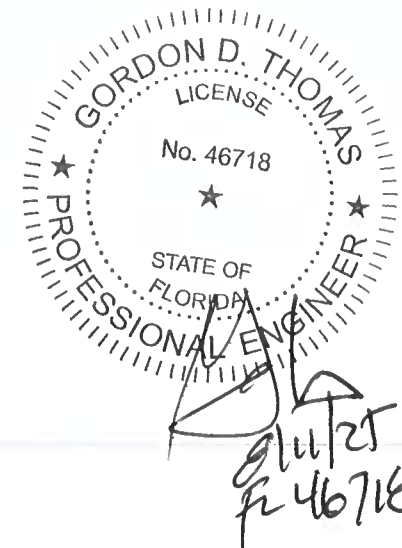
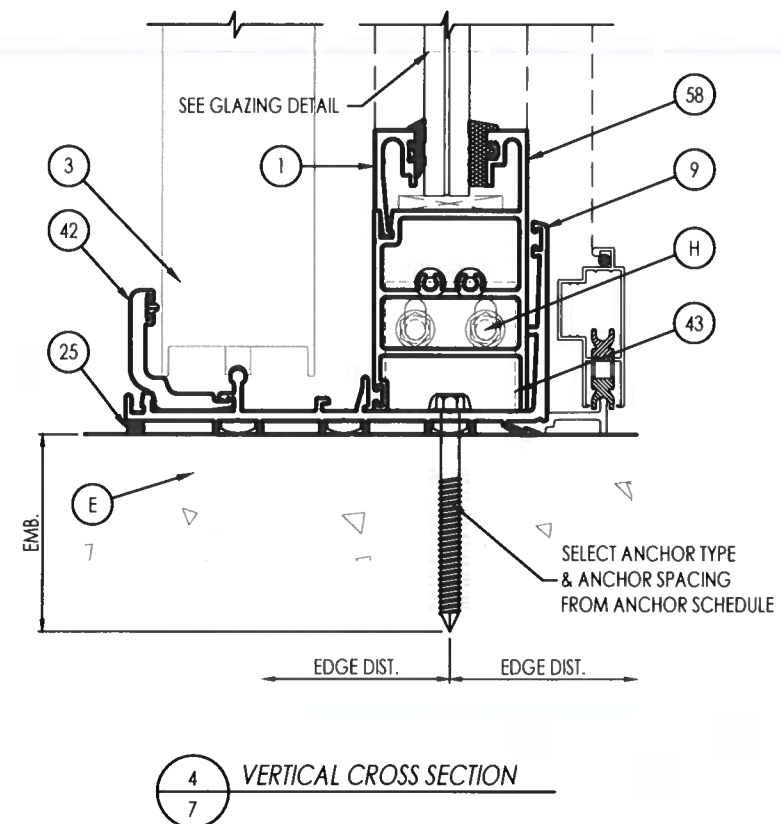
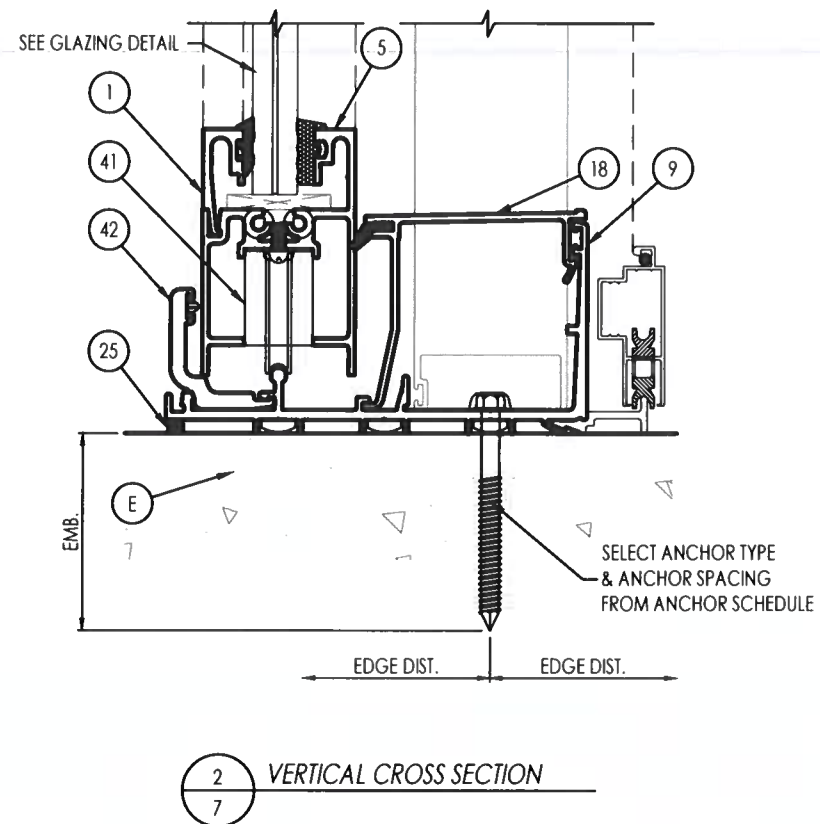
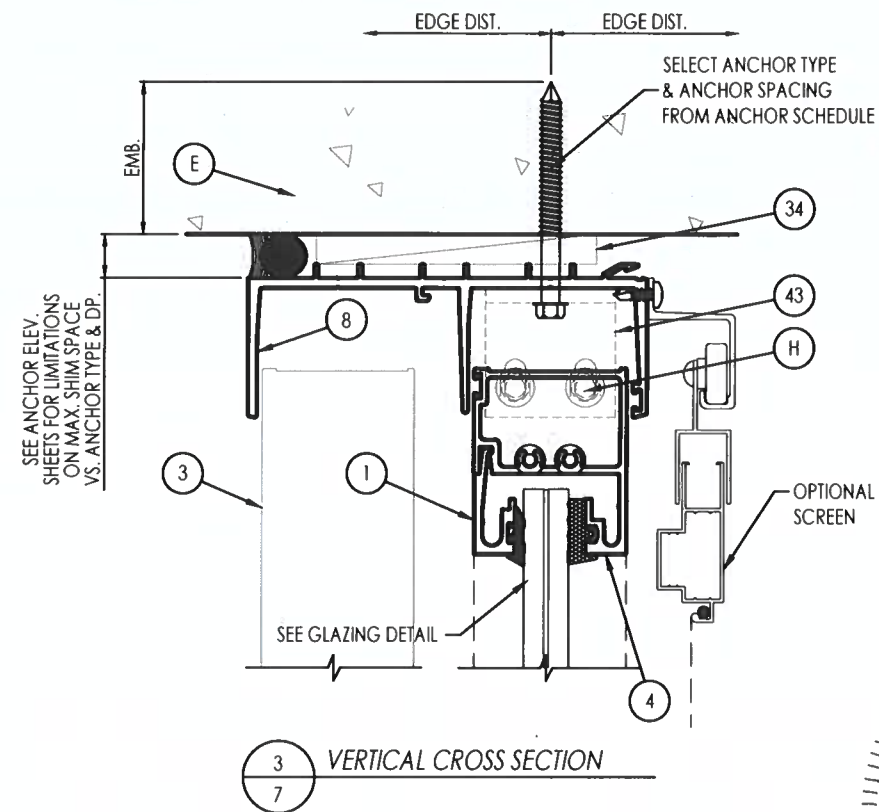
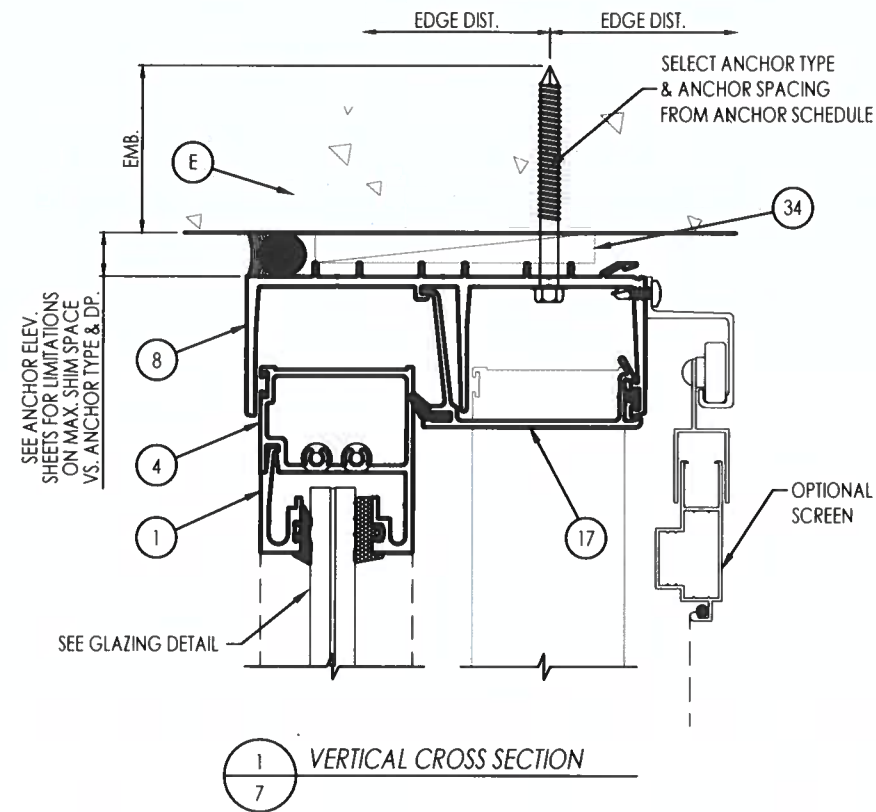
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.7

SHEET: 6 OF 11



5008 TAMPA WEST BLVD.
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SUN METALS

PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DATE	DESCRIPTION	BY	
7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV		
9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB		
8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV		
2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS		

DATE: 08/09/19

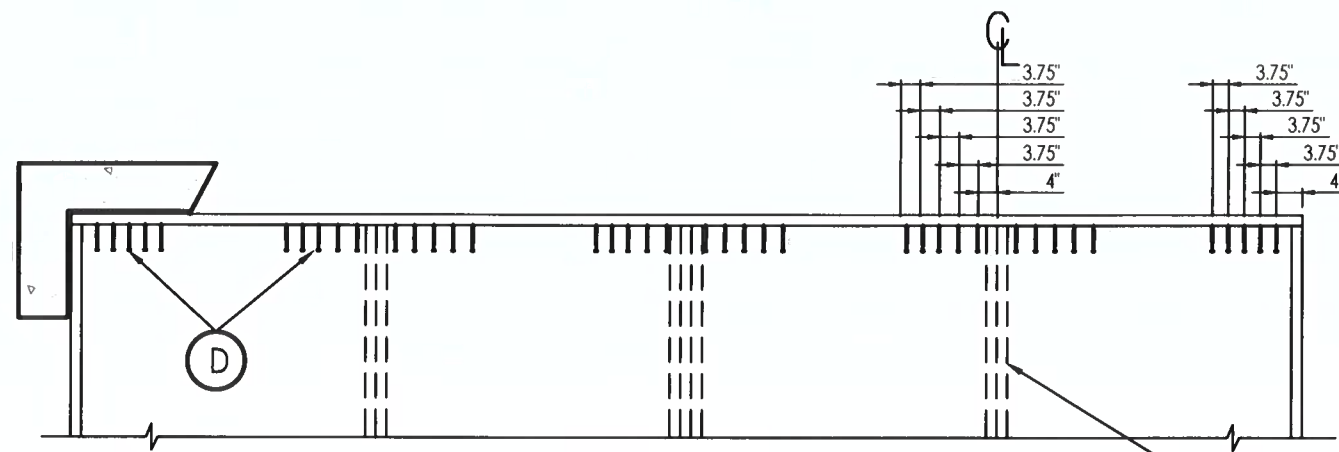
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DWG. BY: CO

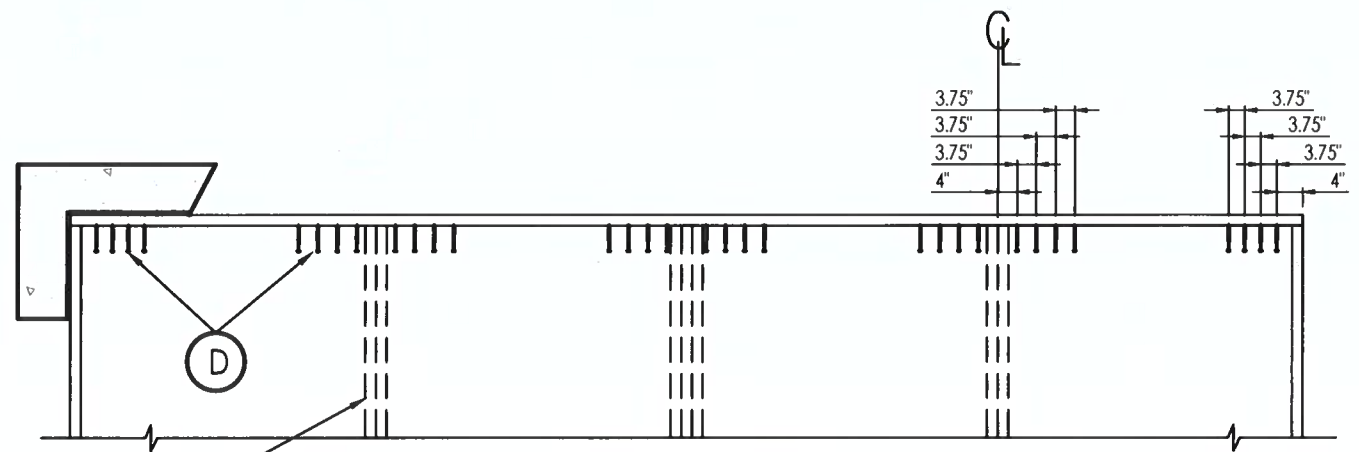
CHK BY: ECV

DRAWING NO.: FL-15903.7

SHEET: **7** OF **11**

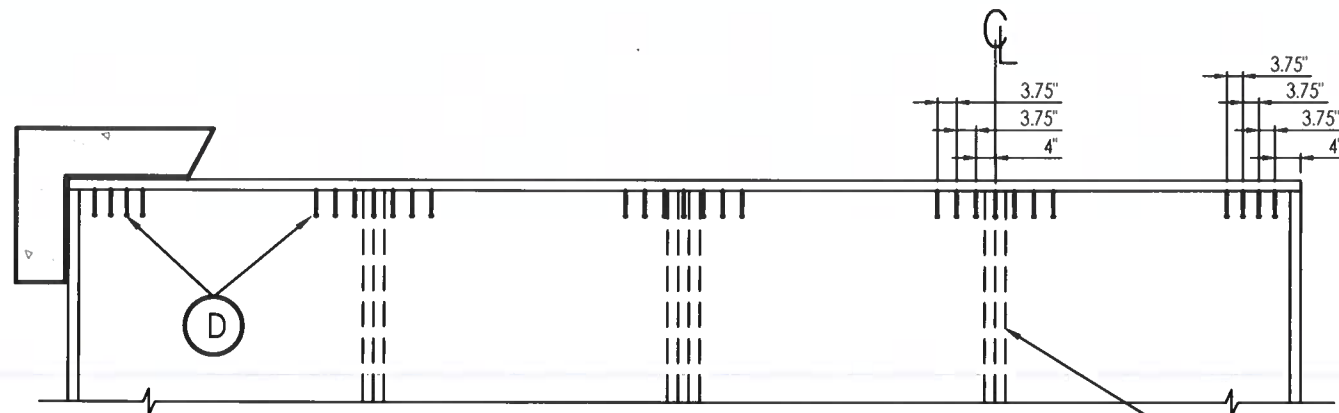


FRAME ANCHORING @ HEAD
DP <= 80 PSF
Max. shim space <= .625

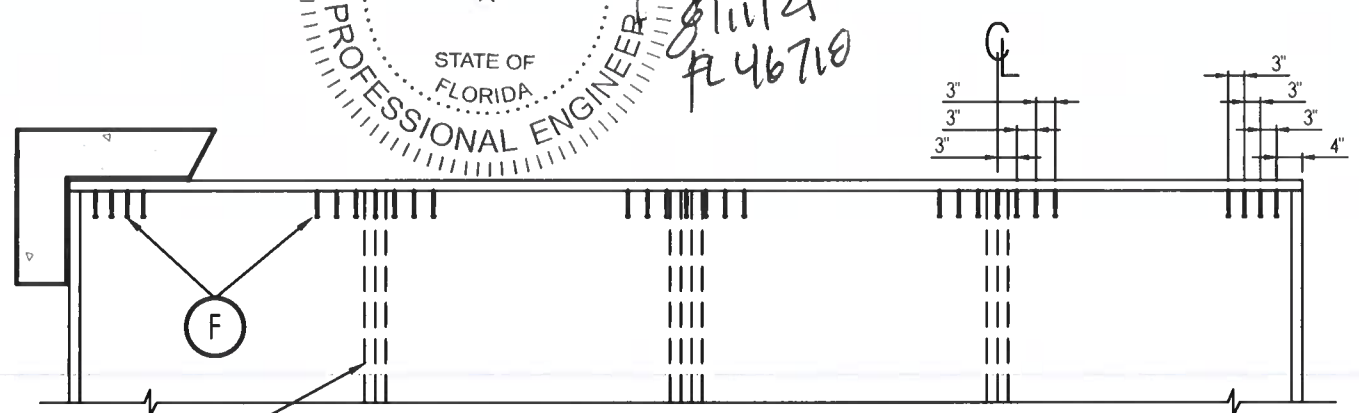


FRAME ANCHORING @ HEAD
DP <= 135 PSF
Max. shim space <= .25

MEETING STILES SHOWING
FOR LOCATION
REFERENCE ONLY

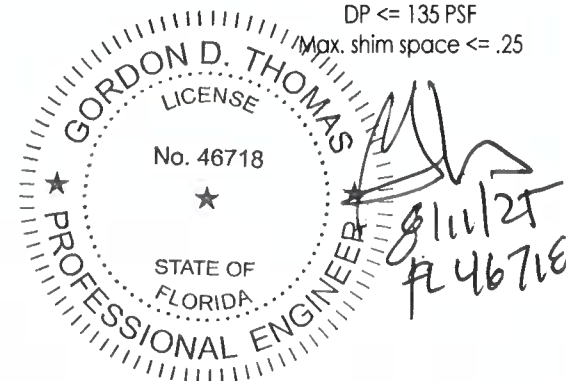


FRAME ANCHORING @ HEAD
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Max. shim space <= .41

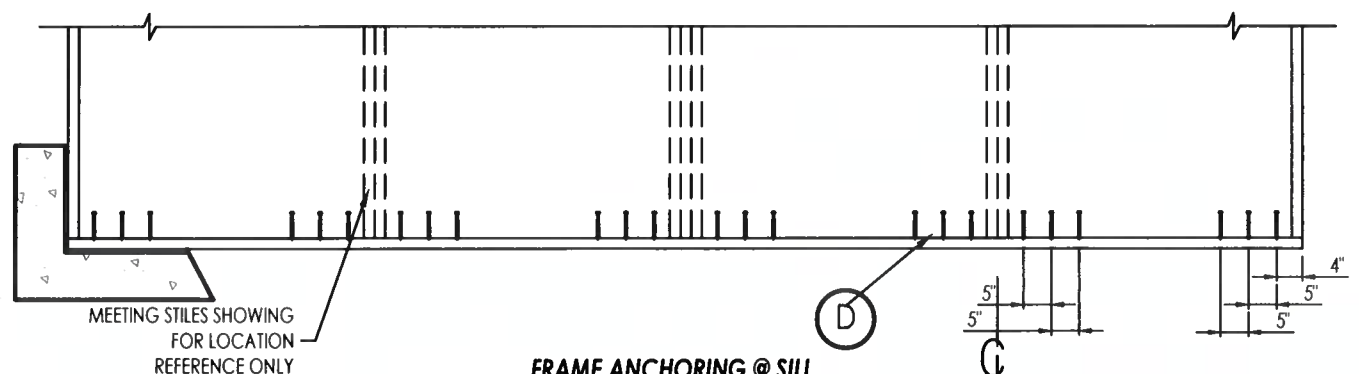


FRAME ANCHORING @ HEAD
DP <= 135 PSF
Max. shim space <= .625

MEETING STILES SHOWING
FOR LOCATION
REFERENCE ONLY



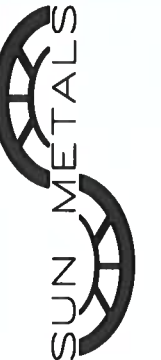
SUBSTRATE		ANCHOR SCHEDULE
CONCRETE	D	5/16" Ø HWH ITW Tapcon® XL concrete anchor with 1-3/4" min. embedment, 2-3/16" minimum edge distance and 3-3/4" minimum clearance to adjacent concrete anchors. Concrete is 3,000 PSI minimum conforming to ACI 301.
	F	3/8" Ø ITW Dynabolt Sleeve Anchor with 1-1/2" min. embedment, 2-1/2" minimum edge distance and 3" minimum clearance to adjacent concrete anchors. Concrete is 3,000 PSI minimum conforming to ACI 301.



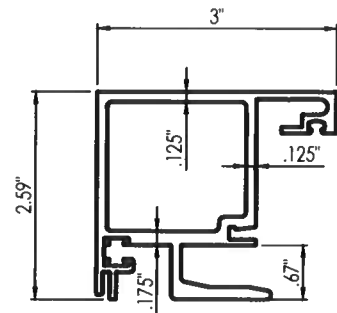
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Max. shim space <= .17

MEETING STILES SHOWING
FOR LOCATION
REFERENCE ONLY

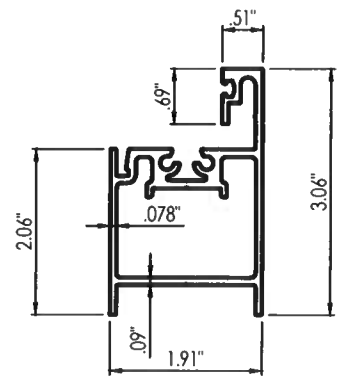
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0866



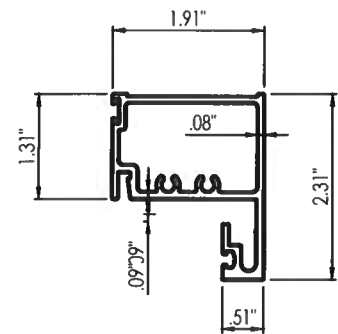
PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		ANCHORING CONCRETE SUBSTRATE	
NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	
REVISIONS			
DATE: 08/09/19			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.7			
SHEET: 8 OF 11			



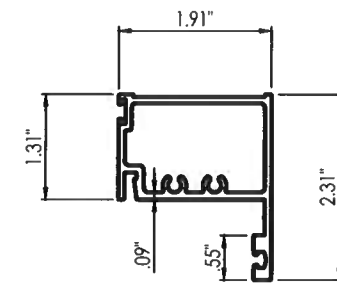
6 INTERLOCK STILE - FIXED PANEL
9/16" GLASS



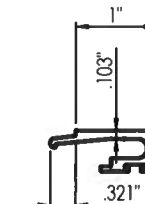
5 BOTTOM RAIL - MOVING PANEL
9/16" GLASS



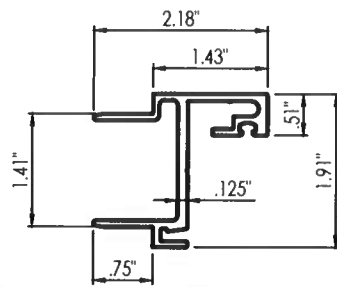
4 TOP RAIL
9/16" GLASS



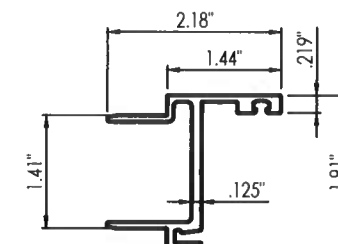
54 I.G. TOP RAIL
1-5/16" GLASS



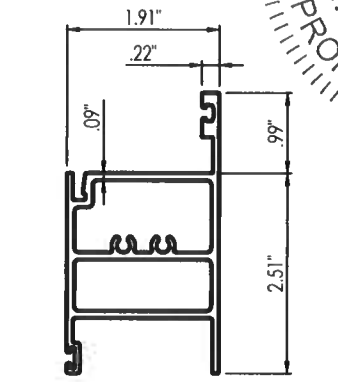
1 GLAZING BEAD
9/16" GLASS



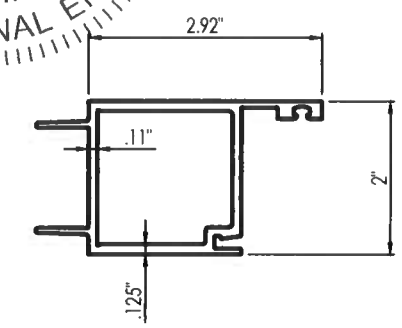
14 FIXED PANEL STILE
9/16" GLASS



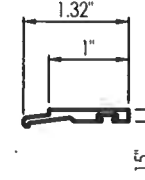
52 I.G. FIXED PANEL STILE
1-5/16" GLASS



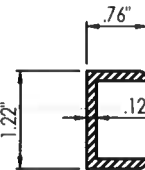
49 I.G. BOTTOM RAIL - FIXED PANEL
1-5/16" GLASS



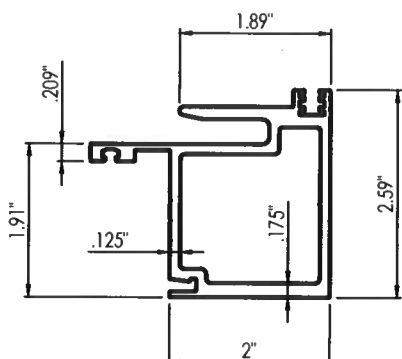
55 I.G. LEAD STILE
1-5/16" GLASS



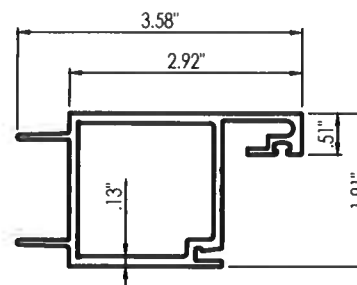
51 I.G. GLAZING BEAD
1-5/16" GLASS



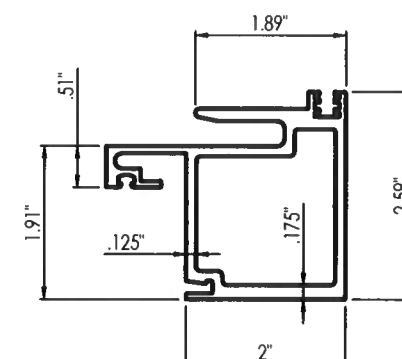
7 FIXED PANEL RETAINING CLIP



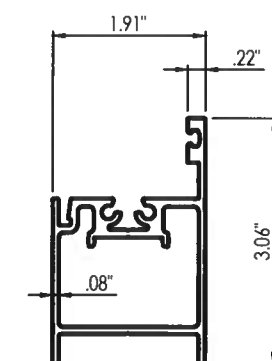
53 I.G. INTERLOCK STILE - MOVING PANEL
1-5/16" GLASS



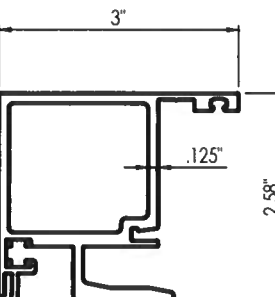
2 LEAD STILE
9/16" GLASS



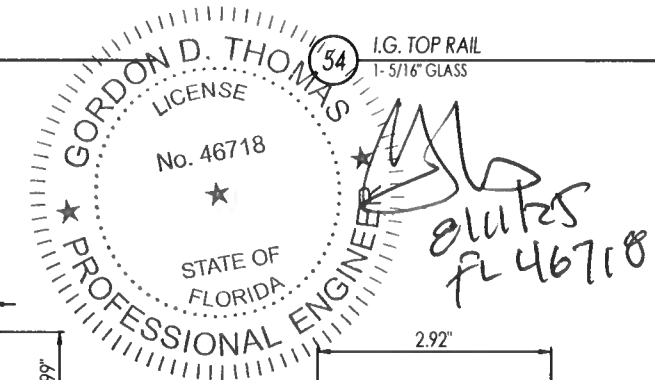
3 INTERLOCK STILE - MOVING PANEL
9/16" GLASS



56 I.G. BOTTOM RAIL - MOVING PANEL
1-5/16" GLASS



57 I.G. INTERLOCK STILE - FIXED PANEL
1-5/16" GLASS



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SUN METALS

PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: COMPONENTS

NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	

DATE: 08/09/19

SCALE: NTS

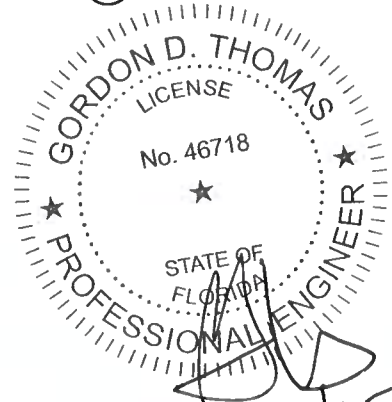
DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.7

SHEET: 10 OF 11

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	5/16" x 2-3/4" HWH ITW TAPCON XL CONCRETE ANCHOR	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/8" x 2-1/2" ITW DYNABOLT SLEEVE ANCHOR	STEEL
G	#10 x 1-1/2" SQ-PH ASSEMBLY SCREW	STL. STEEL
H	1/4-20 HWH HILTI KWIK-FLEX SELF DRILLING SCREW	STEEL
K	#10 x 3/4" HH SELT TAP SCREW	STL. STEEL
1	GLAZING BEAD 6063-T6 (9/16")	ALUM
2	LEAD STILE 6063-T6 (9/16")	ALUM
3	INTERLOCK STILE - MOVING PANEL 6005-T5 (9/16")	ALUM
4	TOP RAIL 6063-T6 (9/16")	ALUM
5	BOTTOM RAIL - MOVING PANEL 6063-T6 (9/16")	ALUM
6	INTERLOCK STILE - FIXED PANEL 6005-T5 (9/16")	ALUM
7	FIXED PANEL RETAINING CLIP 6063-T6	ALUM
8	FRAME HEAD 6063-T6	ALUM
9	FRAME SILL 6063-T6	ALUM
10	FRAME JAMB 6063-T6	ALUM
14	FIXED PANEL STILE 6063-T6 (9/16")	ALUM
15	XX ADAPTOR 6005-T5	ALUM
17	FRAME HEAD POCKET COVER 6063-T6	ALUM
18	FRAME SILL POCKET COVER 6063-T6	ALUM
25	WEATHERSEAL SEALANT (WS001) DOW 795	SILICONE
27	GLAZING SPACER	ALUM
28	GASKET, EPDM CLOSED CELL FOAM (9/16" GLAZING) (TREMCO)	EPDM
29	GASKET, EPDM CLOSED CELL FOAM (1-5/16" GLAZING) (TREMCO)	EPDM
30	WEDGE 70±5 EPDM (9/16" & 1-5/16" GLAZING) (TREMCO)	EPDM
31	BACKER ROD - CLOSED CELL EXTRUDED FOAM	POLYETHYLENE
34	SHIM	-
35	SETTING/ EDGE BLOCK	SILICONE
41	ROLLER ASSM.	STL. STEEL
42	REACTION CLIP 6005-T5	ALUM
43	TOE ANCHOR 6005-T5	ALUM
49	BOTTOM RAIL - FIXED PANEL 6063-T6 (1-5/16")	ALUM
51	I.G. GLAZING BEAD 6063-T6 (1-5/16")	ALUM
52	I.G. FIXED PANEL STILE 6063-T6 (1-5/16")	ALUM
53	I.G. INTERLOCK STILE - MOVING PANEL 6063-T6 (1-5/16")	ALUM
54	I.G. TOP RAIL 6063-T6 (1-5/16")	ALUM
55	I.G. LEAD STILE 6063-T6 (1-5/16")	ALUM
56	I.G. BOTTOM RAIL - MOVING PANEL 6063-T6 (1-5/16")	ALUM
57	INTERLOCK STILE - FIXED PANEL (1-5/16")	ALUM
58	BOTTOM RAIL - FIXED PANEL 6063-T6 (9/16")	ALUM



SUN METALS

FOR ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

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