

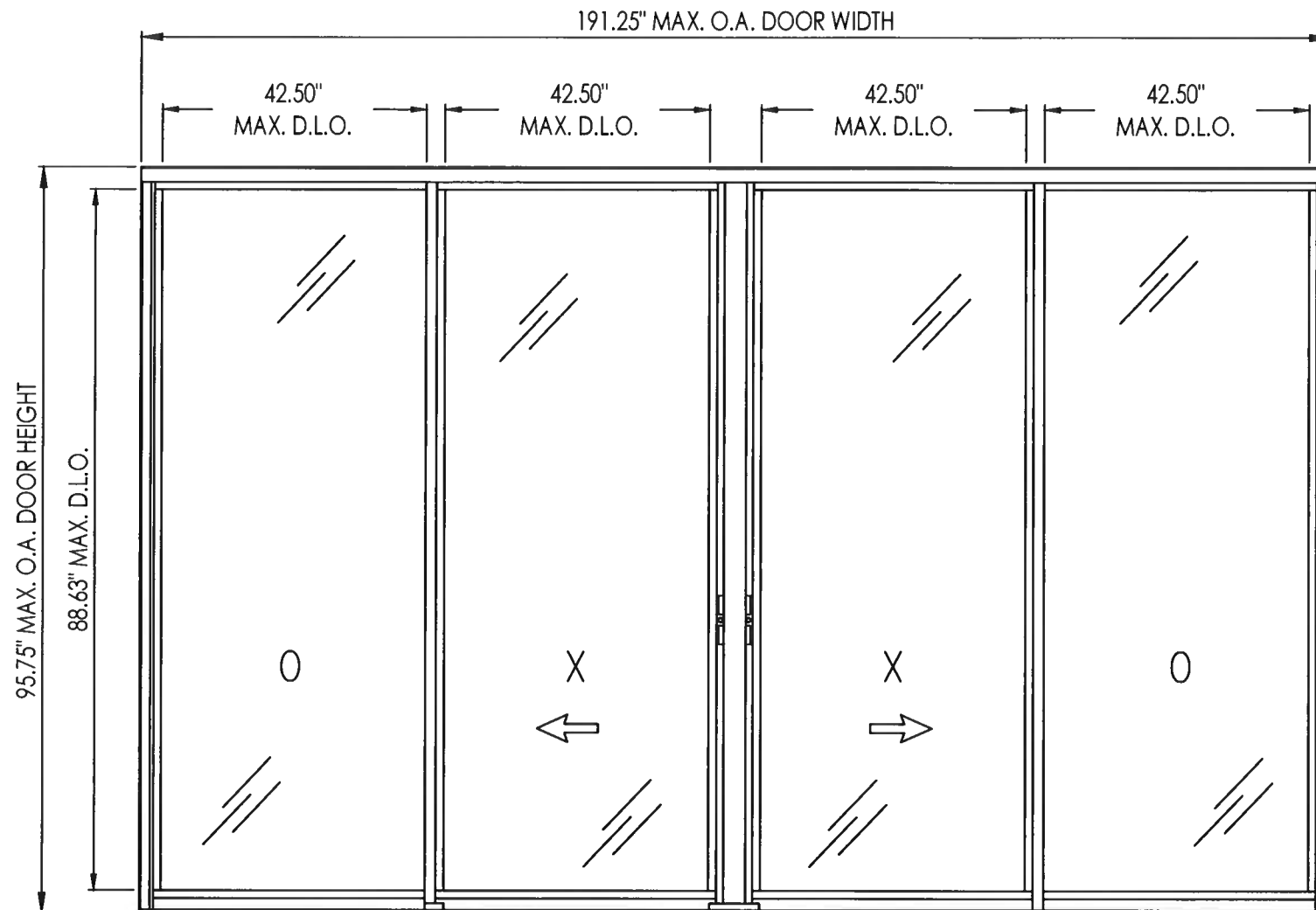
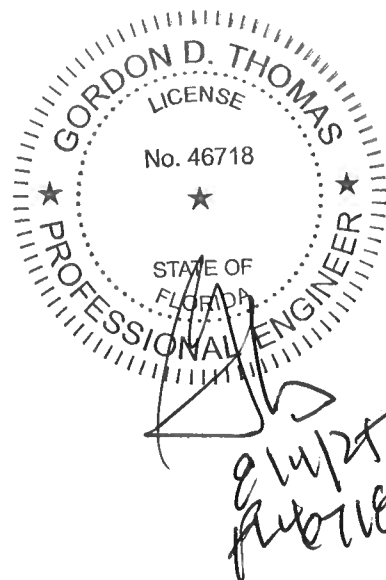


SUNDOR 5000 SLIDING GLASS DOOR "SMALL MISSILE IMPACT"

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 installed greater than 30 feet above grade 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 "A" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.2 of the FBC.
4. When installed 30 feet or less above grade in areas requiring wind borne debris protection this product must be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
5. 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.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
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PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS
NO	DATE	DESCRIPTION	BY
REVISIONS			

DATE: 02/26/16

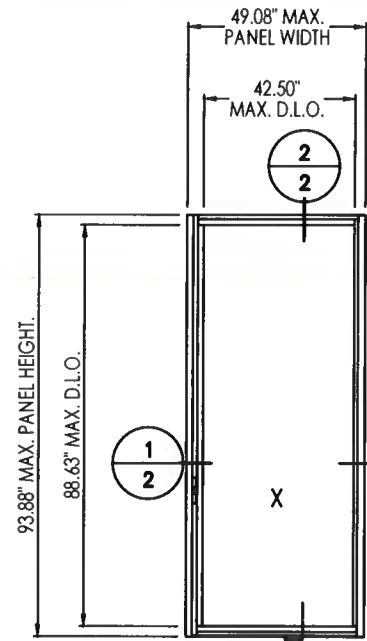
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DWG. BY: CO

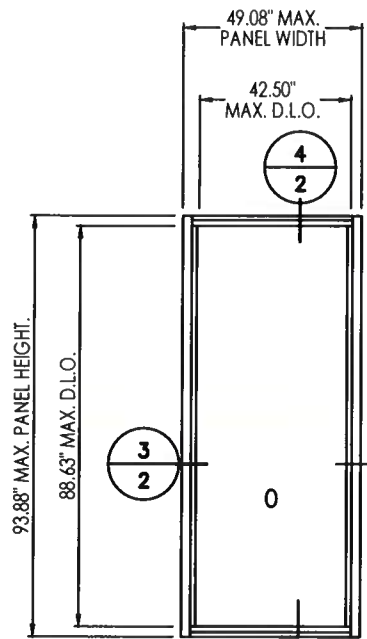
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DRAWING NO.: FL-15903.17

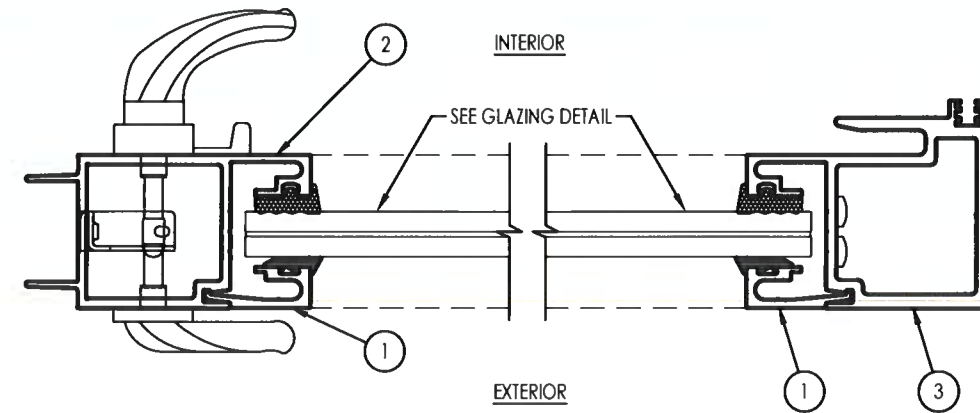
SHEET: 1 OF 11



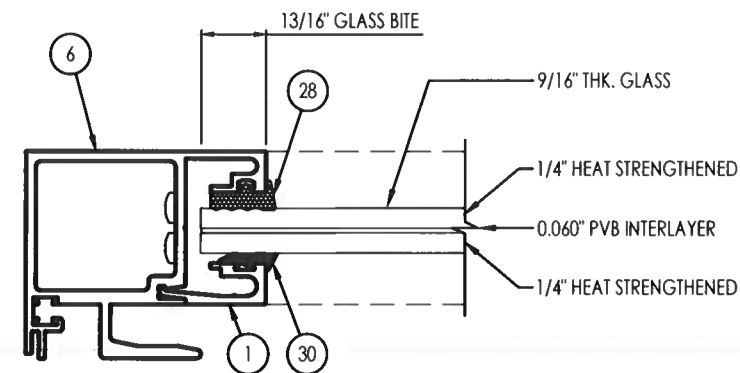
OPERABLE PANEL



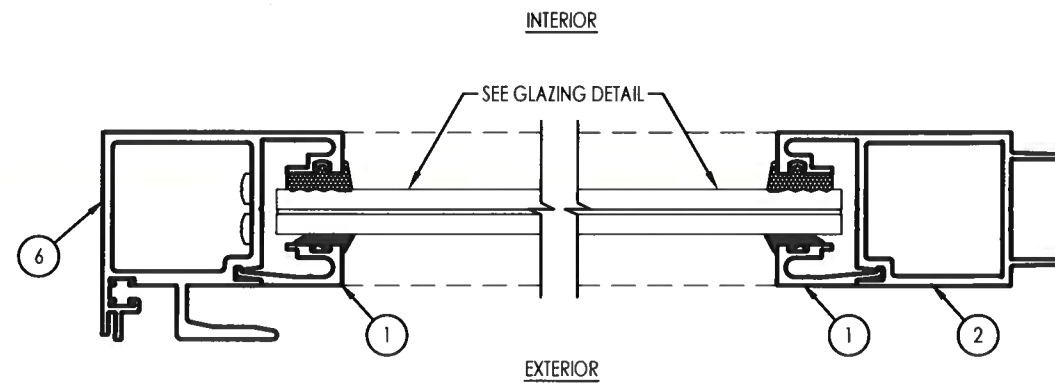
FIXED PANEL



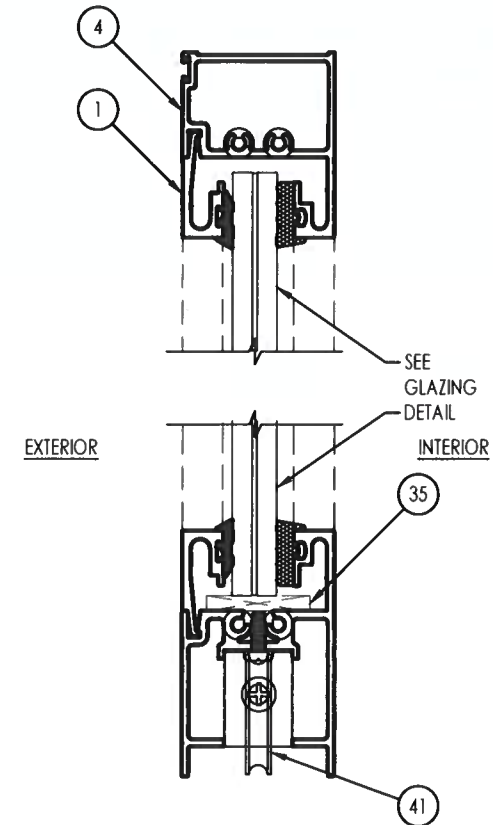
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2 HORIZONTAL CROSS SECTION



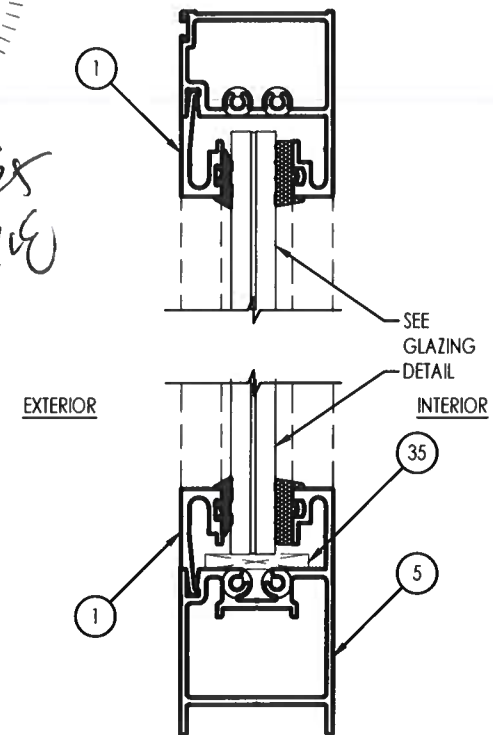
G2 GLAZING DETAIL (DRY GLAZED)
MONOLITHIC
9/16\"/>



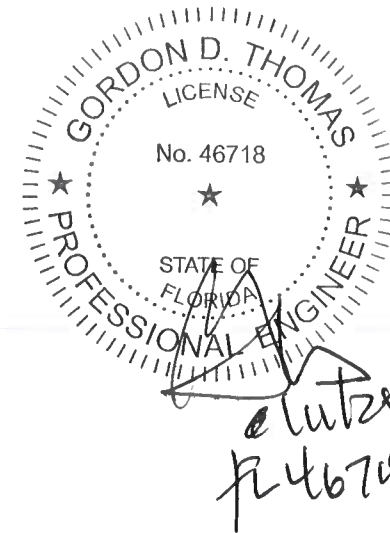
3
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION



4
2 VERTICAL CROSS SECTION



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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO	DATE	DESCRIPTION	BY
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS

DATE: 02/26/16

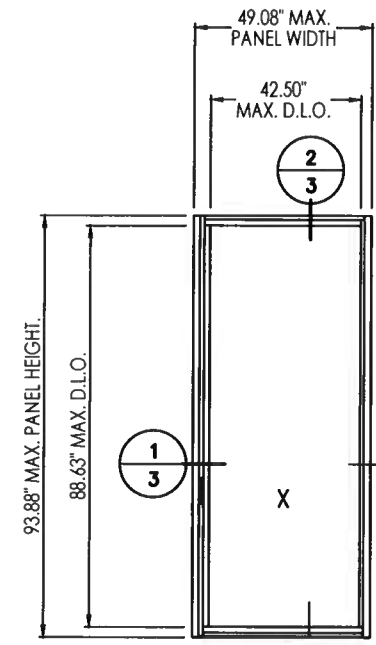
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DWG. BY: CO

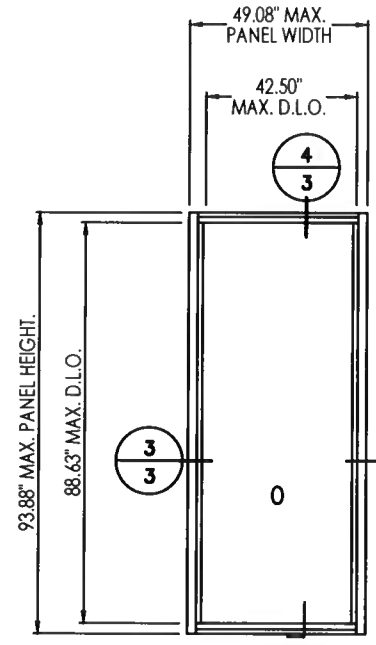
CHK BY: ECV

DRAWING NO.:
FL-15903.17

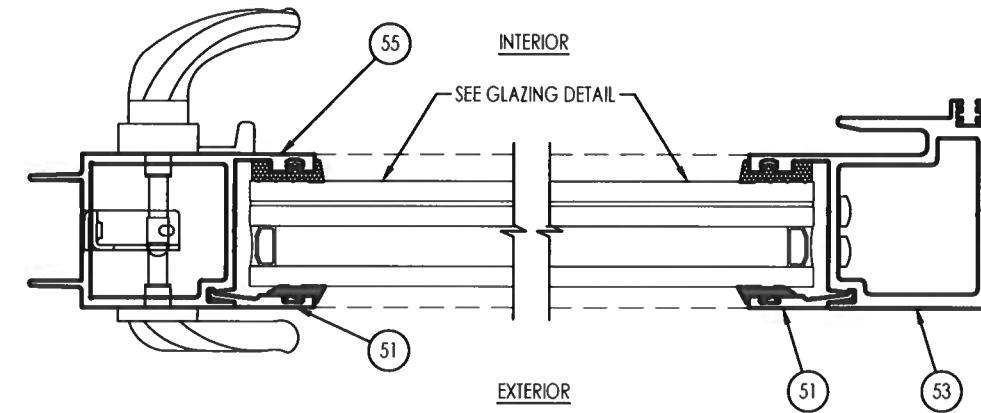
SHEET: 2 OF 11



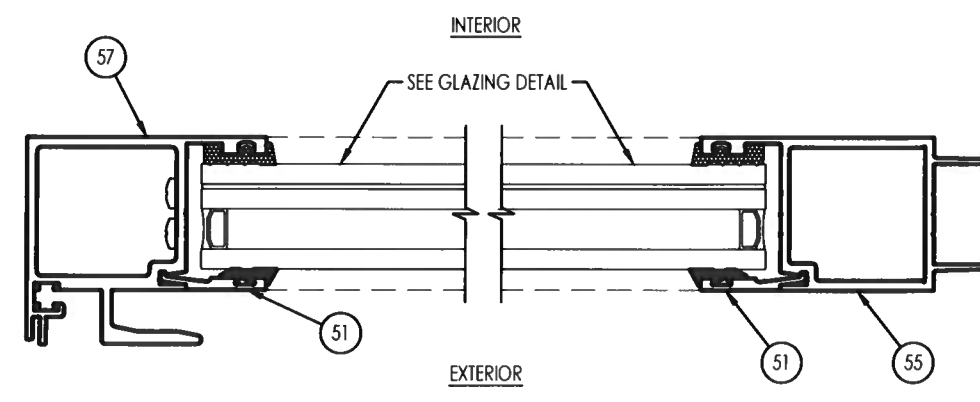
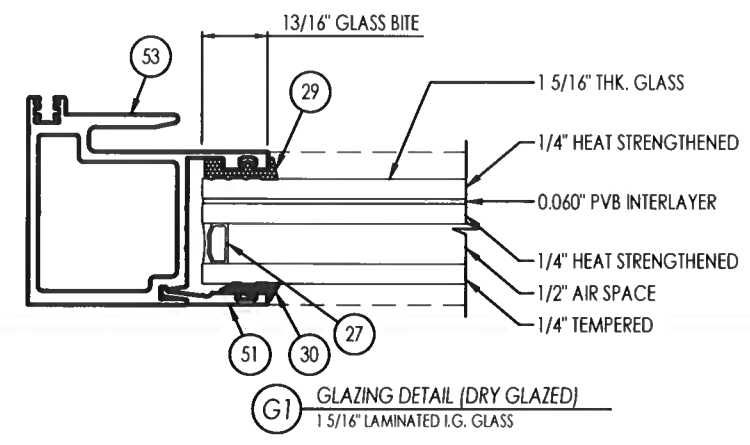
OPERABLE PANEL



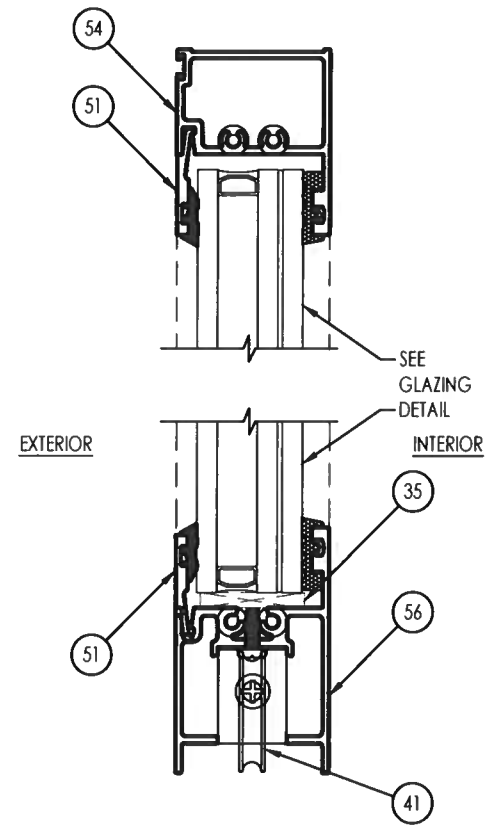
FIXED PANEL



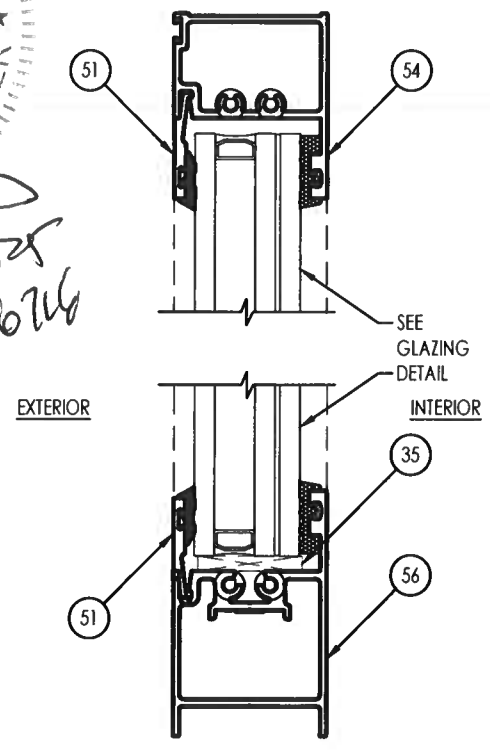
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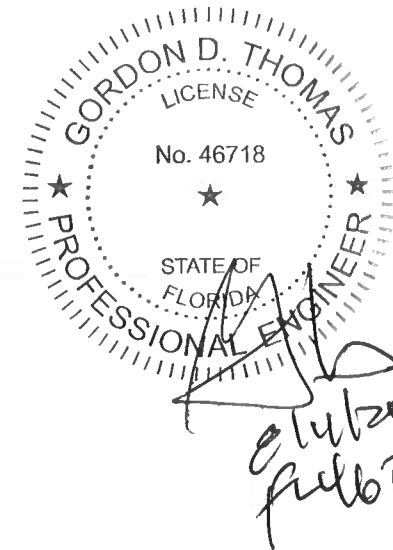
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3 HORIZONTAL CROSS SECTION



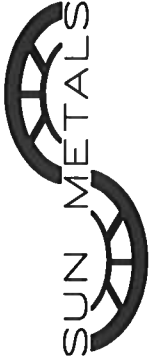
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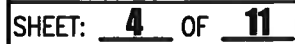
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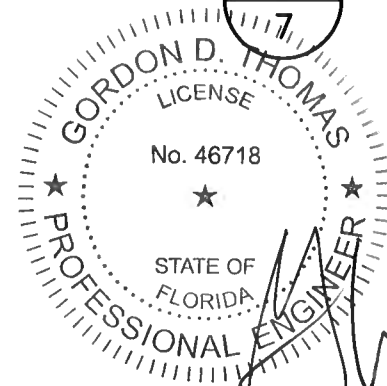
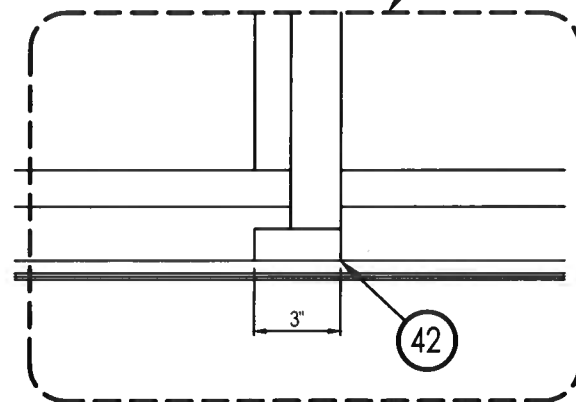
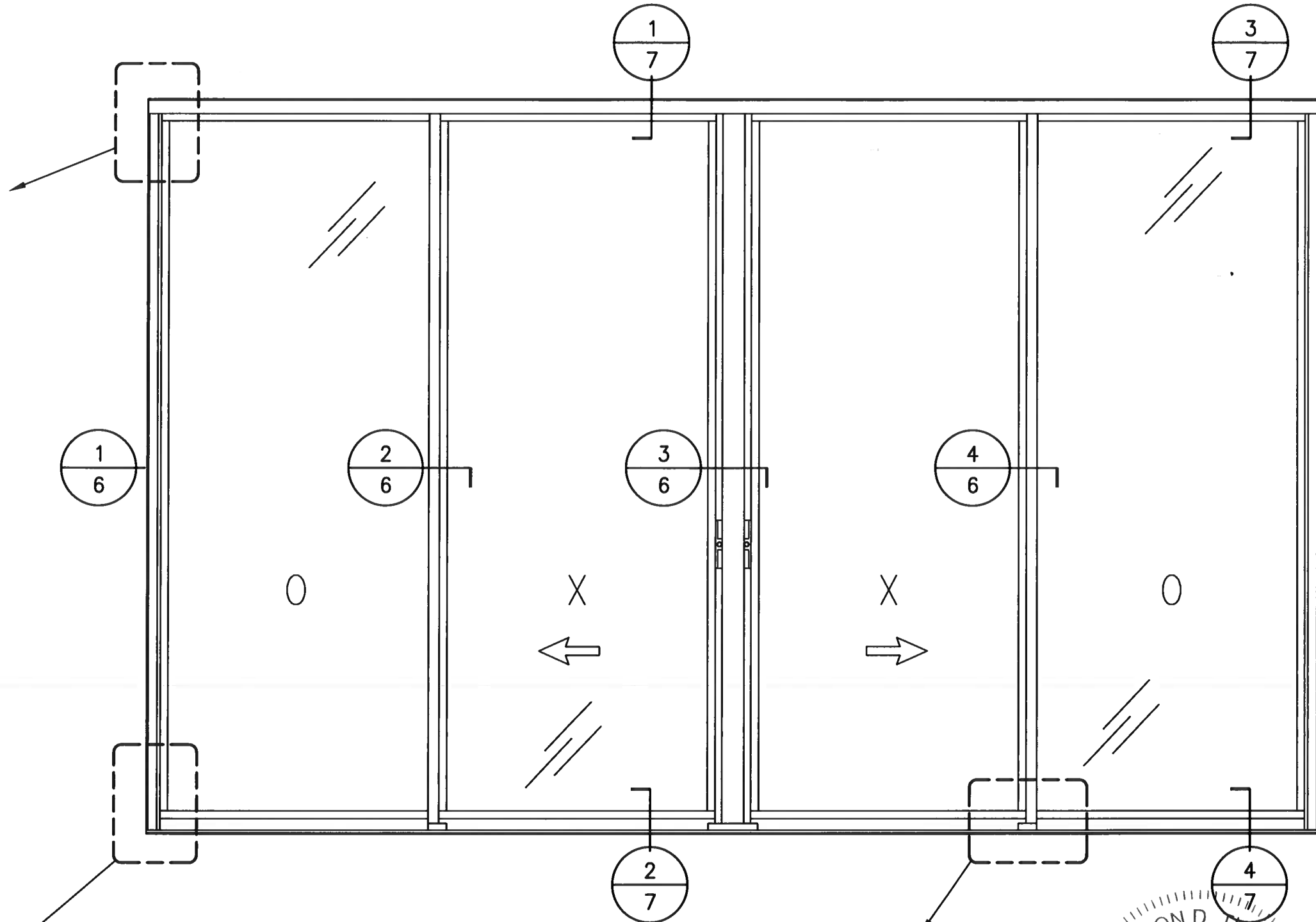
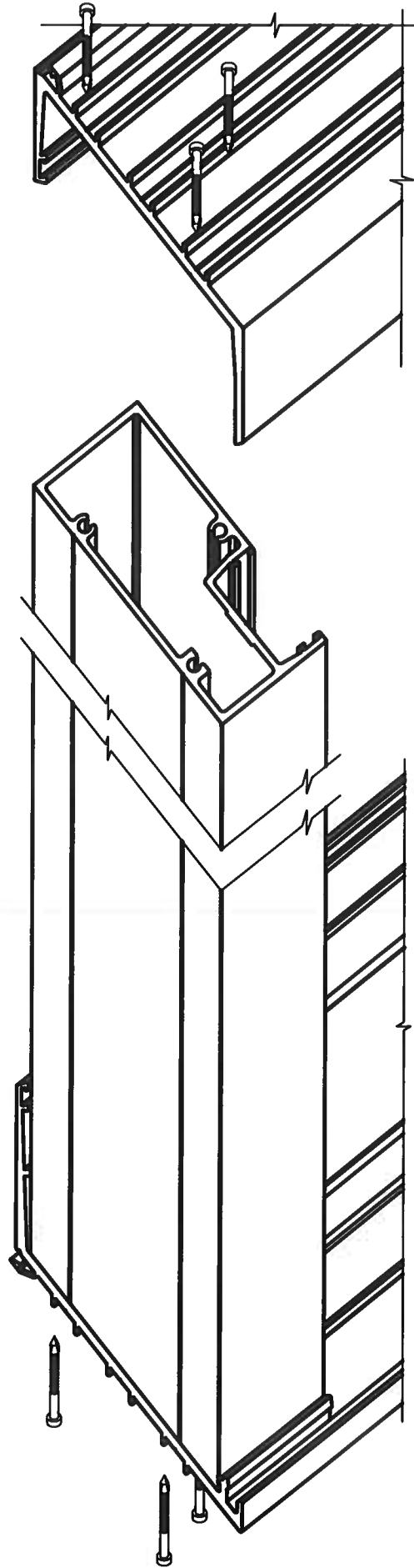


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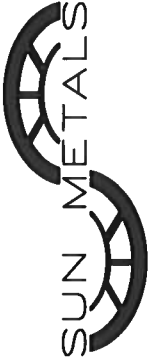


PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO	DATE	DESCRIPTION	BY
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	CO
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	CO
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	CO
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	CO
DATE: 02/26/16			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.17			
SHEET: 3 OF 11			





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FL 46718



SUN METALS

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PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: CORNER DETAILS

NO	DATE	DESCRIPTION	BY
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS

DATE: 02/26/16

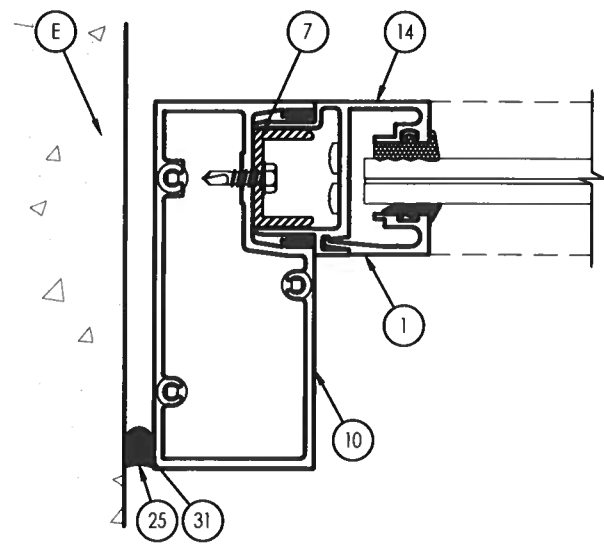
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DWG. BY: CO

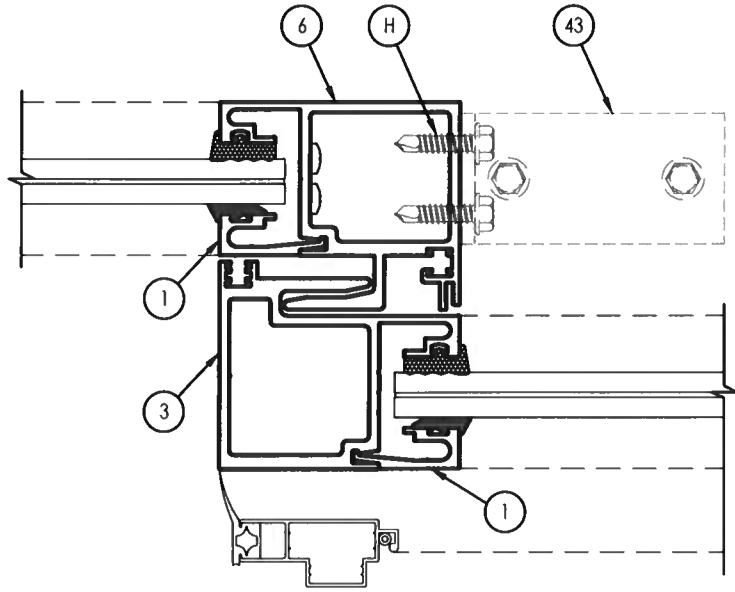
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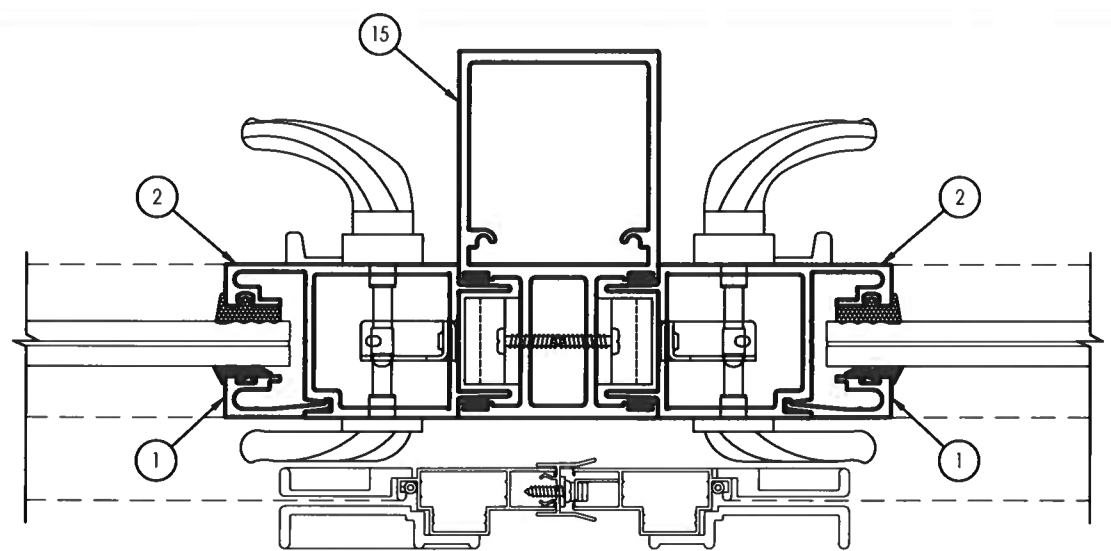
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1
6 HORIZONTAL CROSS SECTION

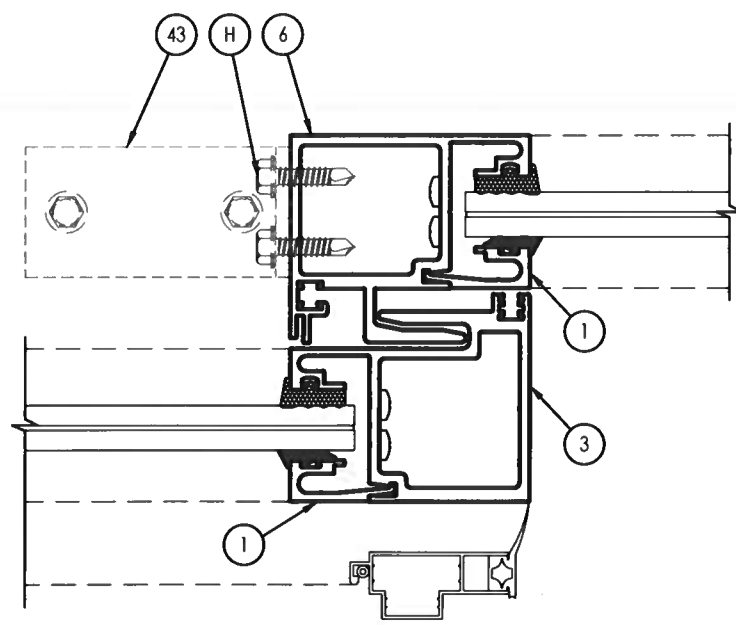


2
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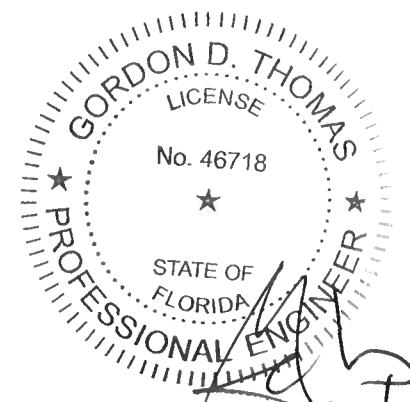
3
6 HORIZONTAL CROSS SECTION

INTERIOR



EXTERIOR

4
6 HORIZONTAL CROSS SECTION

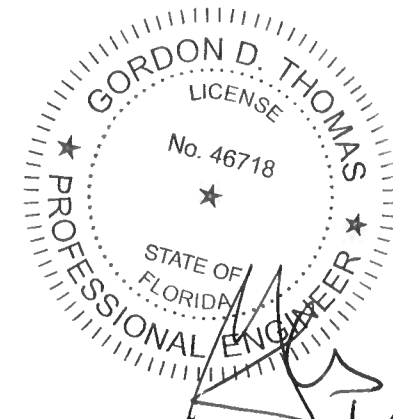
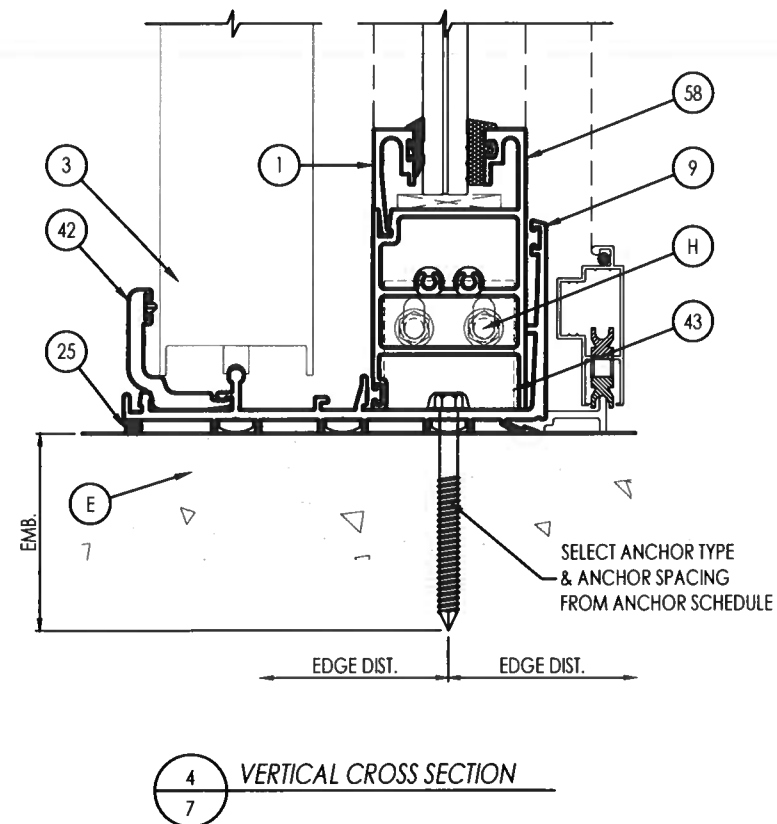
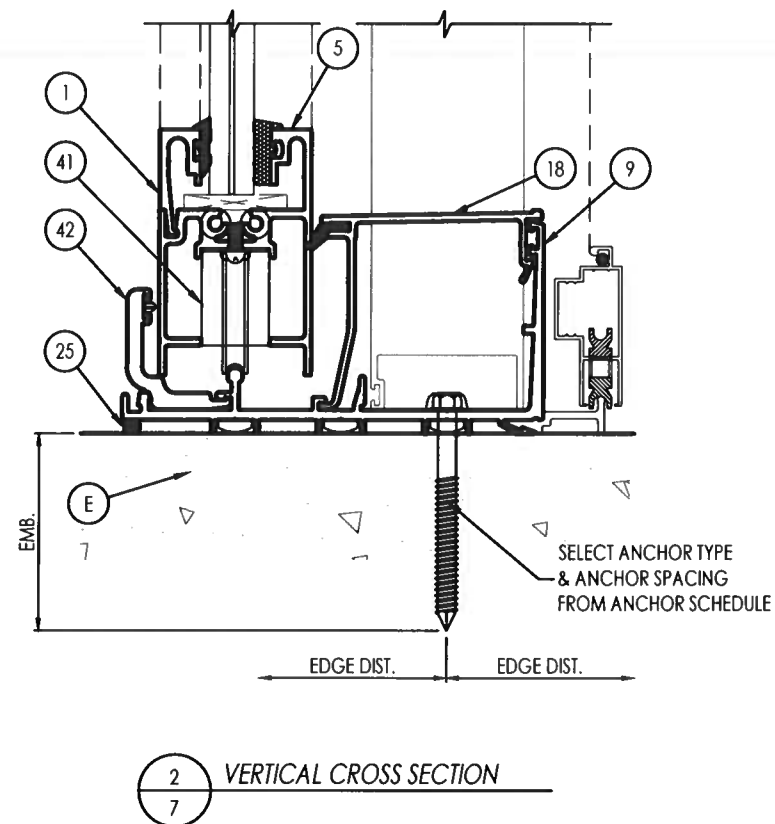
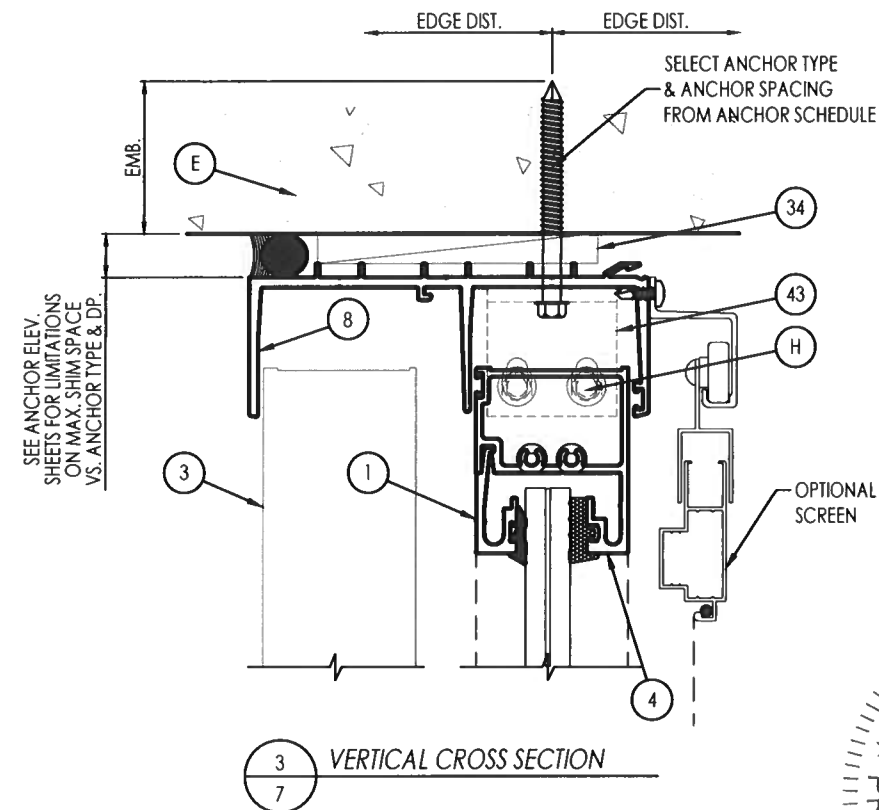
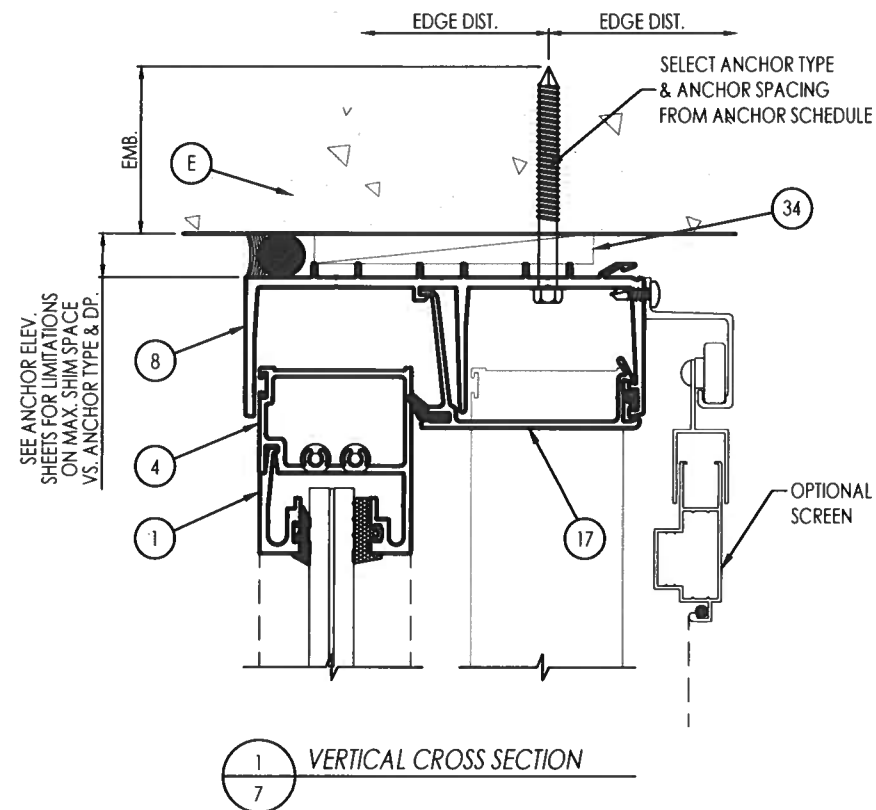


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PRODUCT:		SLIDING GLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO	DATE	DESCRIPTION	BY	NO	DATE	DESCRIPTION	BY
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV	5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB	4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV	3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO	2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS	1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS
REVISIONS				REVISIONS			
DATE: 02/26/16				DATE: 02/26/16			
SCALE: NTS				SCALE: NTS			
DWG. BY: CO				DWG. BY: CO			
CHK BY: ECV				CHK BY: ECV			
DRAWING NO.: FL-15903.17				DRAWING NO.: FL-15903.17			
SHEET: 6 OF 11				SHEET: 6 OF 11			



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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO	DATE	DESCRIPTION	BY
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS

DATE: 02/26/16

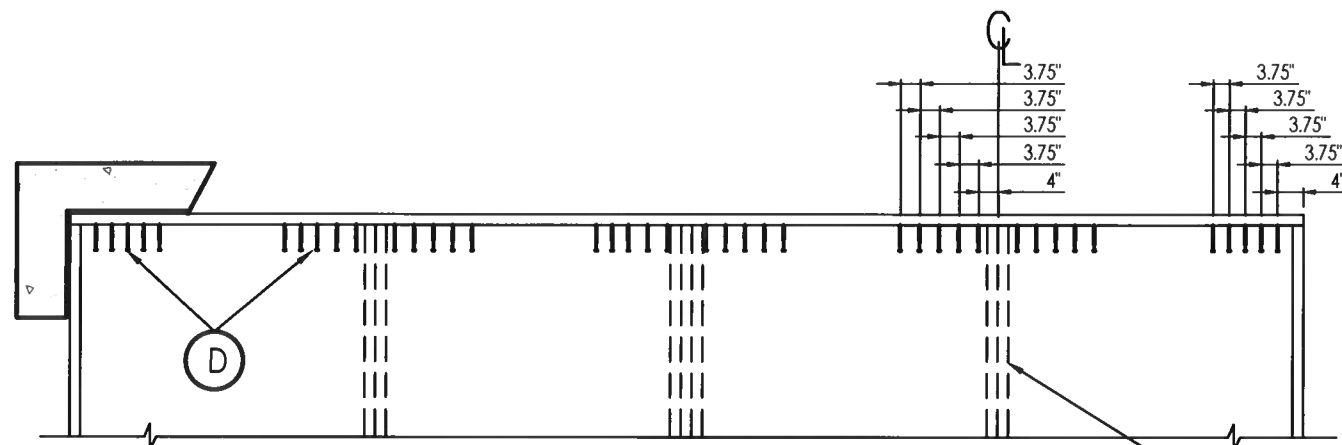
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CHK BY: ECV

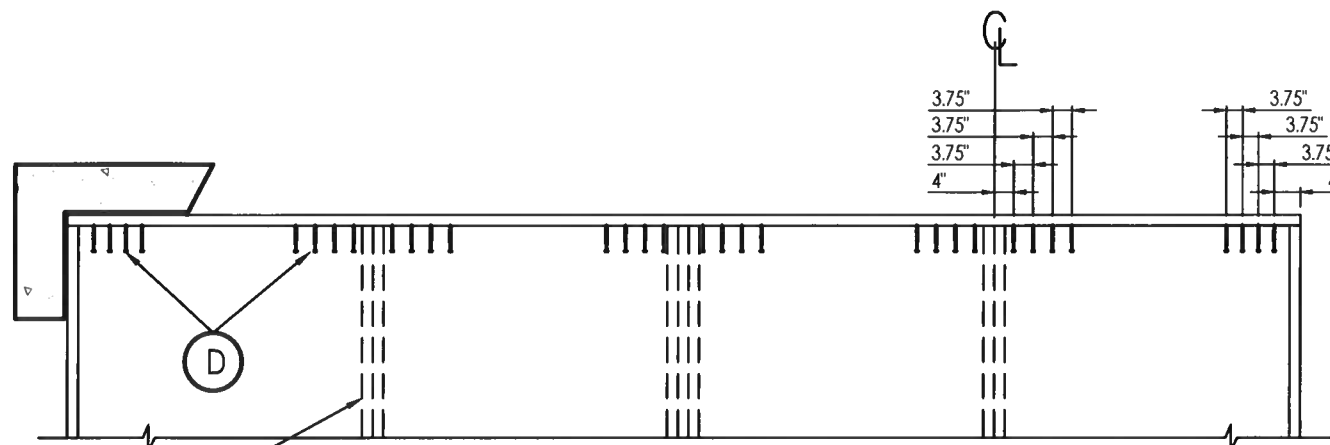
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FL-15903.17

SHEET: 7 OF 11

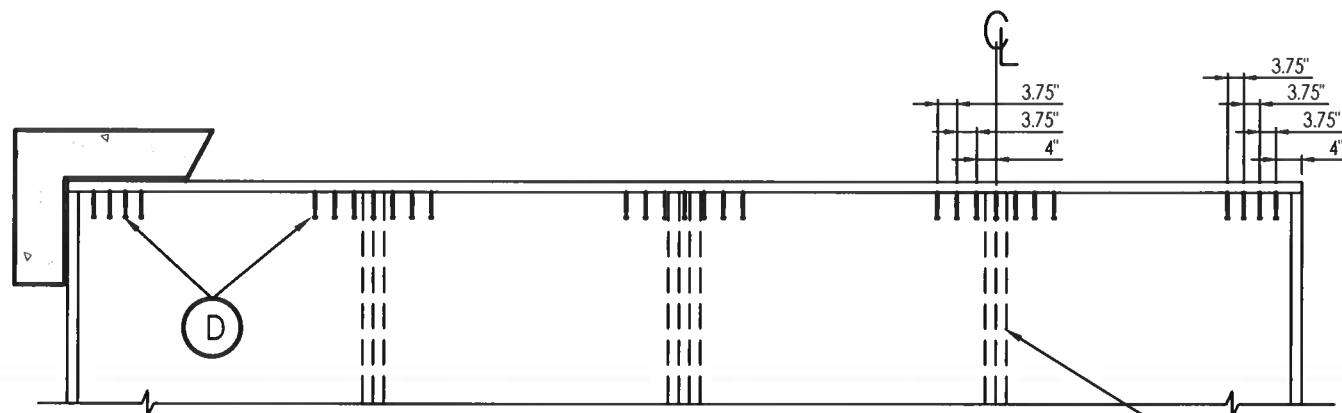


FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .625

MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY

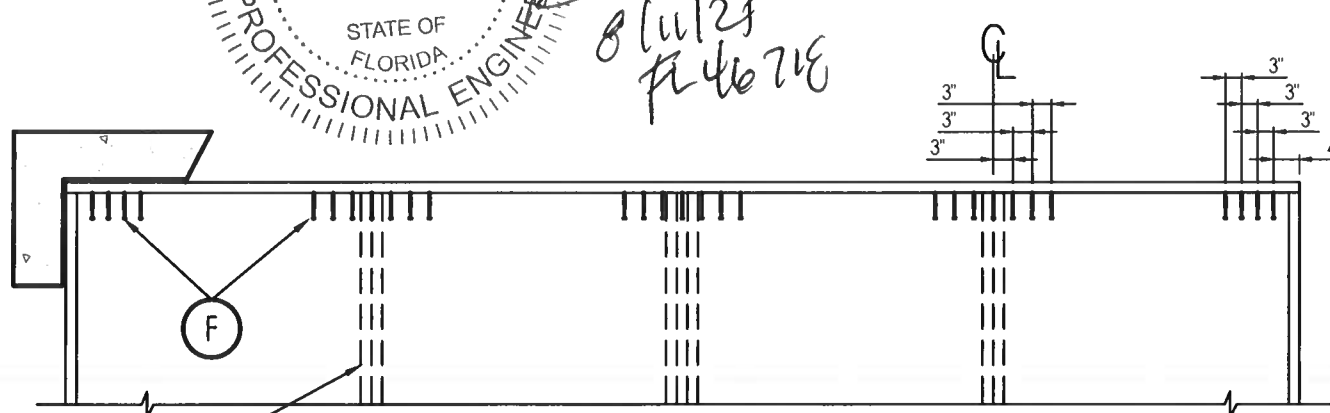


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 Max. shim space <= .25

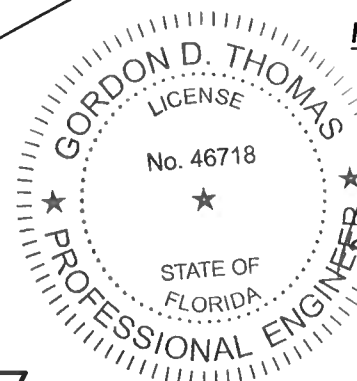


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 Max. shim space <= .41

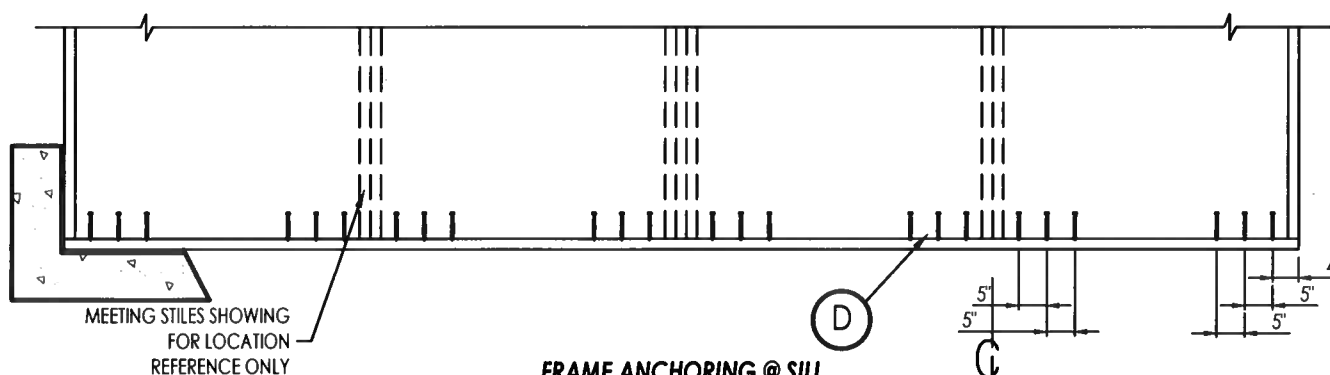
MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY



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



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.



FRAME ANCHORING @ SILL
 DP <= 135 PSF
 Max. shim space <= .17

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PRODUCT:

SLIDING GLASS DOOR

PART OR ASSEMBLY:

ANCHORING
 CONCRETE SUBSTRATE

NO	DATE	DESCRIPTION	BY
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
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1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS

REVISIONS

DATE: 02/26/16

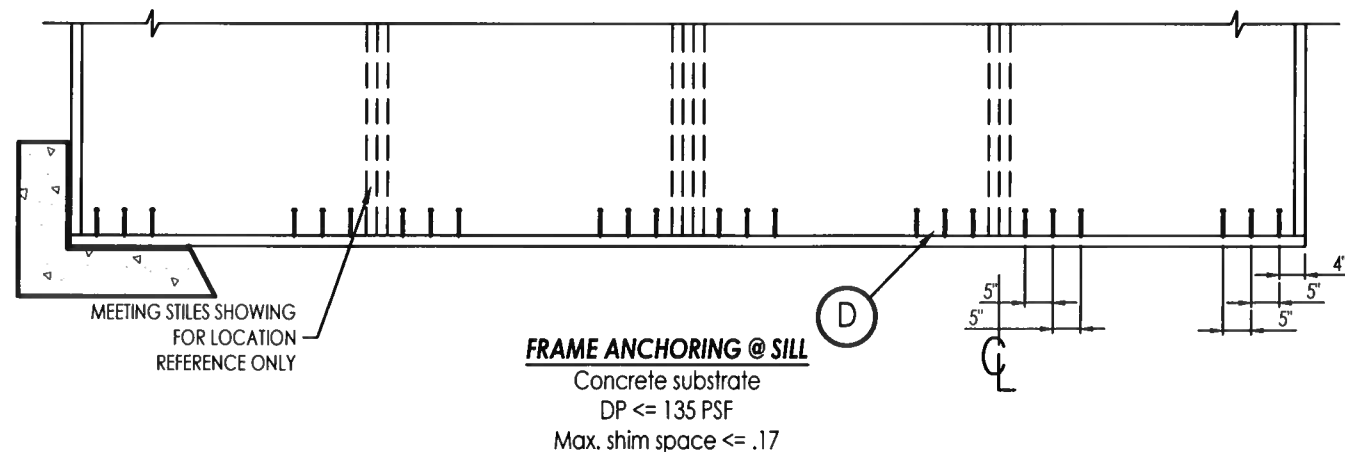
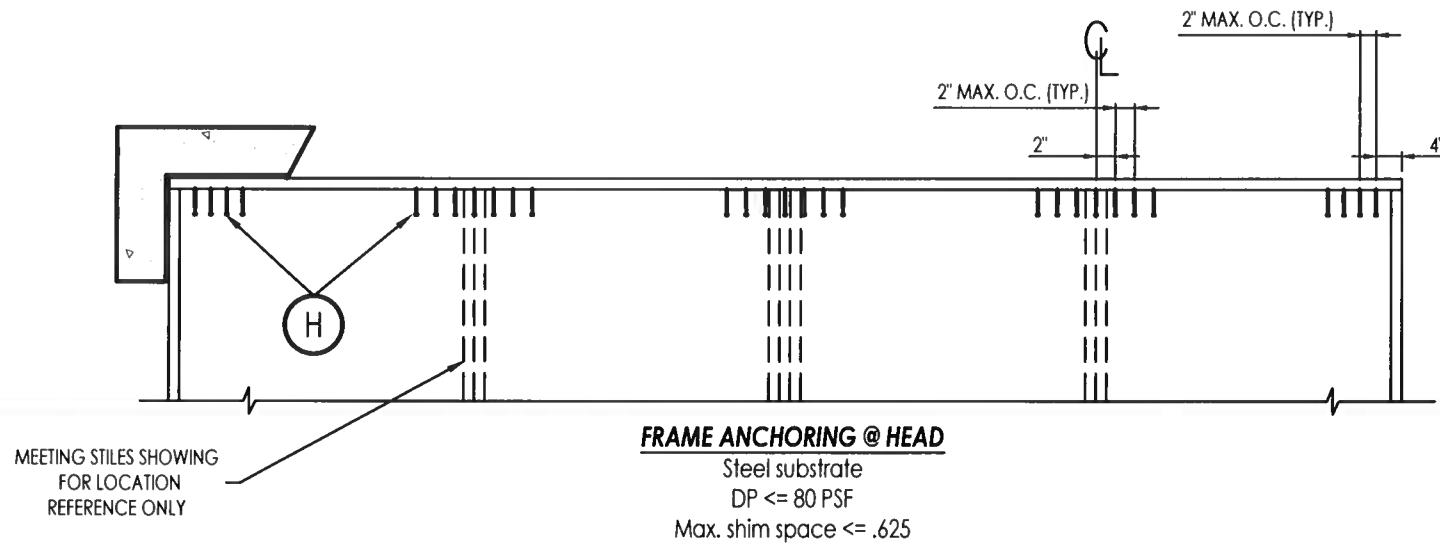
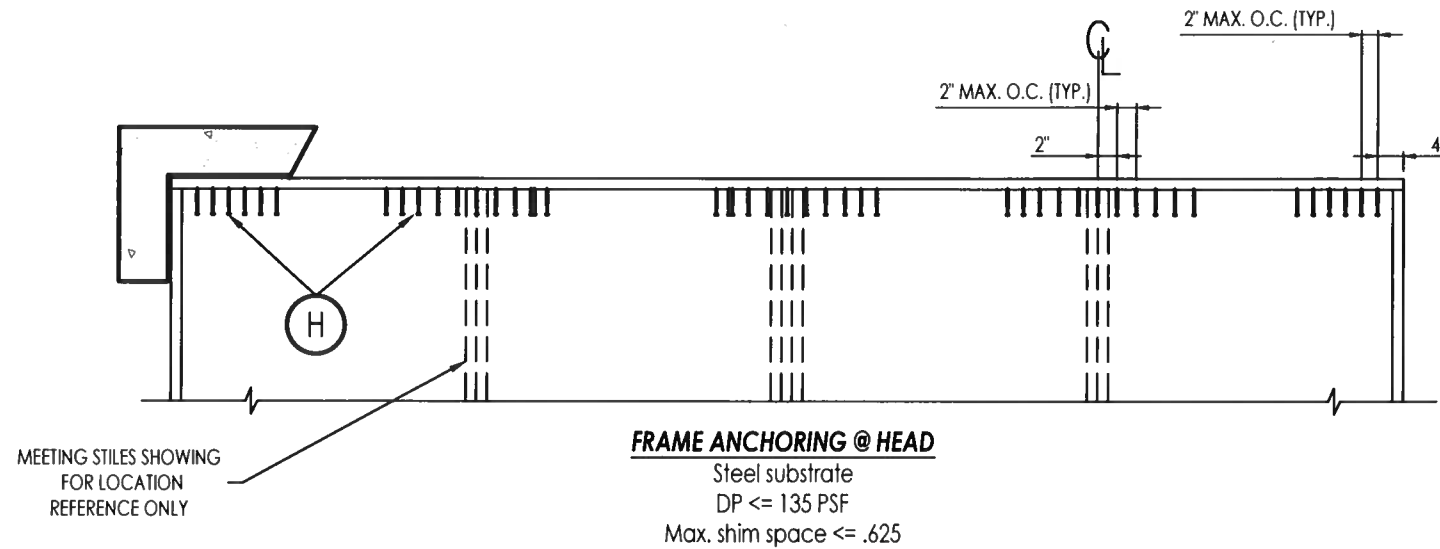
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DWG. BY: CO

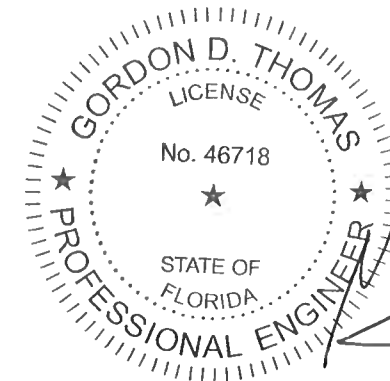
CHK BY: ECV

DRAWING NO.:
 FL-15903.17

SHEET: 8 OF 11



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.
STEEL	(H)	1/4-20 HWH Hilti KWIK-FLEX® self drilling screws. Steel with 0.125" minimum wall thickness conforming to ASTM A500 Grade B, Fy=46,999 PSI & Fu=58,000 PSI or ASTM A653, Fy=33,000 PSI, Fu= 45,000 PSI. Minimum embedment of 3 threads through steel substrate, with 1" min. edge distance and 1" min. CL to CL spacing.

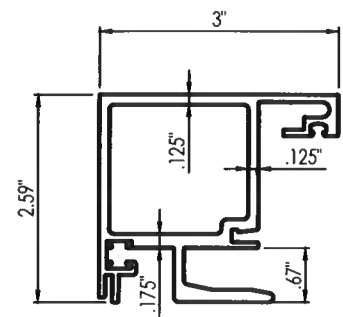


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 8/11/25
 R 46718

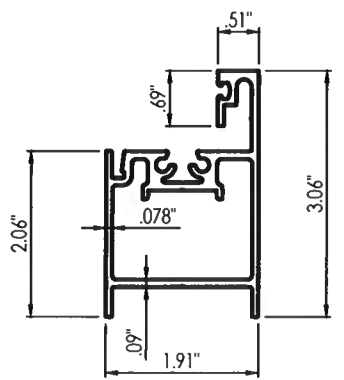
5008 TAMPA WEST BLVD.
 TAMPA, FLORIDA 33634
 PHONE: (813) 889-0718
 FAX: (813) 886-0666



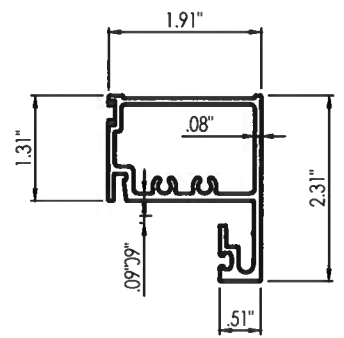
PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		ANCHORING STEEL SUBSTRATE	
NO	DATE	DESCRIPTION	BY
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4	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
2	2/26/16	CHANGE INT. .060 SGP TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS
REVISIONS			
DATE: 02/26/16			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.17			
SHEET: 9 OF 11			



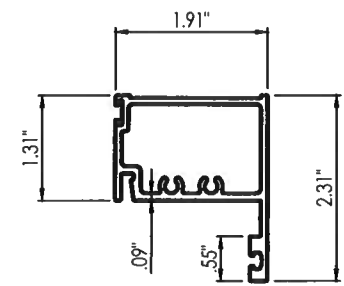
6 INTERLOCK STILE - FIXED PANEL
9/16\" GLASS



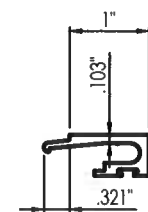
5 BOTTOM RAIL - MOVING PANEL
9/16\" GLASS



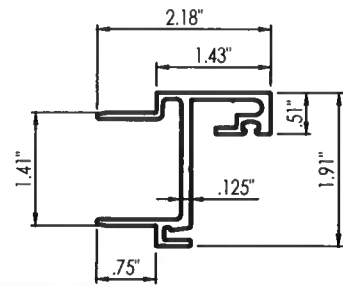
4 TOP RAIL
9/16\" GLASS



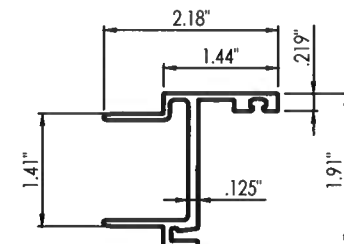
54 I.G. TOP RAIL
1-5/16\" GLASS



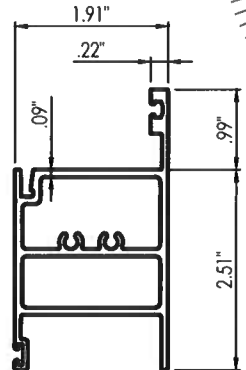
1 GLAZING BEAD
9/16\" GLASS



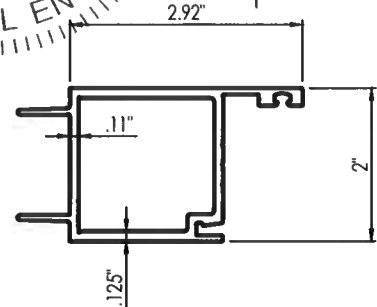
14 FIXED PANEL STILE
9/16\" GLASS



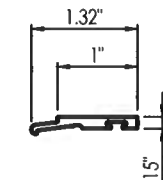
52 I.G. FIXED PANEL STILE
1-5/16\" GLASS



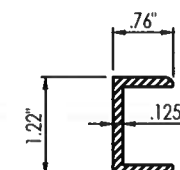
49 I.G. BOTTOM RAIL - FIXED PANEL
1-5/16\" GLASS



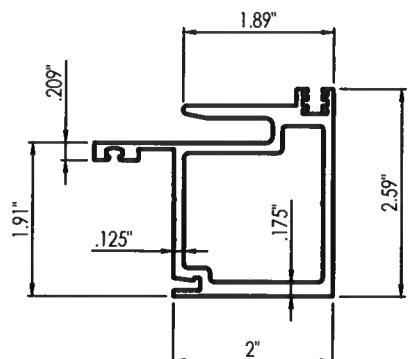
55 I.G. LEAD STILE
1-5/16\" GLASS



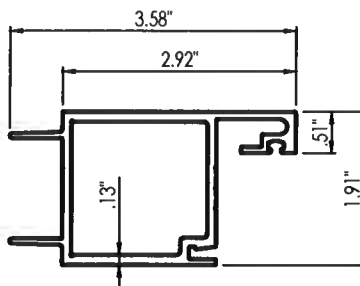
51 I.G. GLAZING BEAD
1-5/16\" GLASS



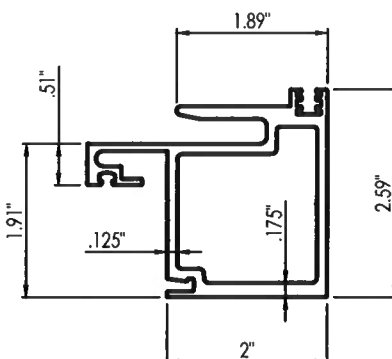
7 FIXED PANEL RETAINING CLIP



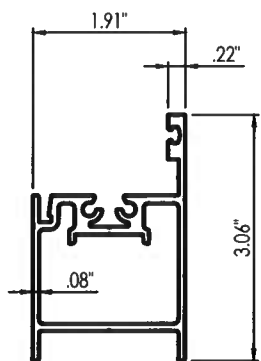
53 I.G. INTERLOCK STILE - MOVING PANEL
1-5/16\" GLASS



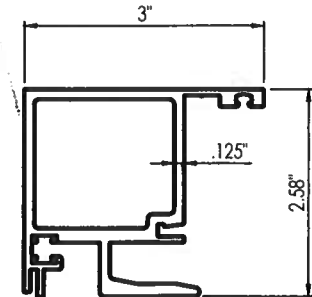
2 LEAD STILE
9/16\" GLASS



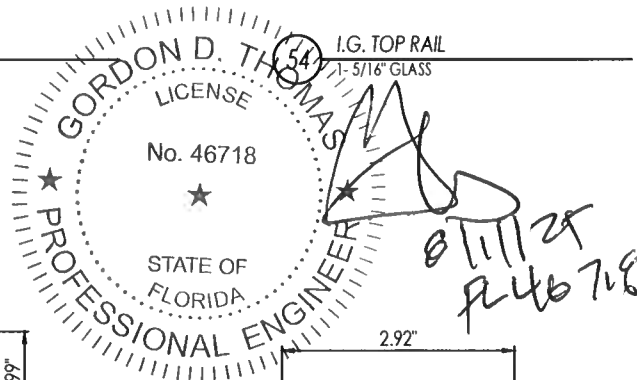
3 INTERLOCK STILE - MOVING PANEL
9/16\" GLASS



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



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



5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
COMPONENTS

NO	DATE	DESCRIPTION	BY
5	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
4	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	
3	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	
2	2/26/16	CHANGE INT. .060 SQP TO .060 PVB CO	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	
		REVISIONS	

DATE: 02/26/16

SCALE: NTS

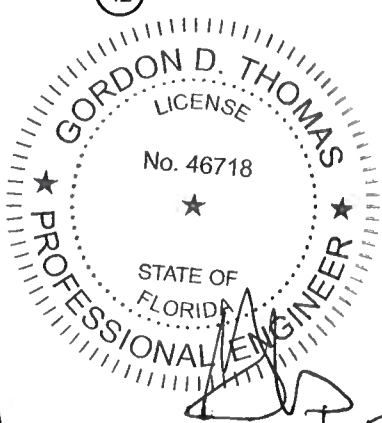
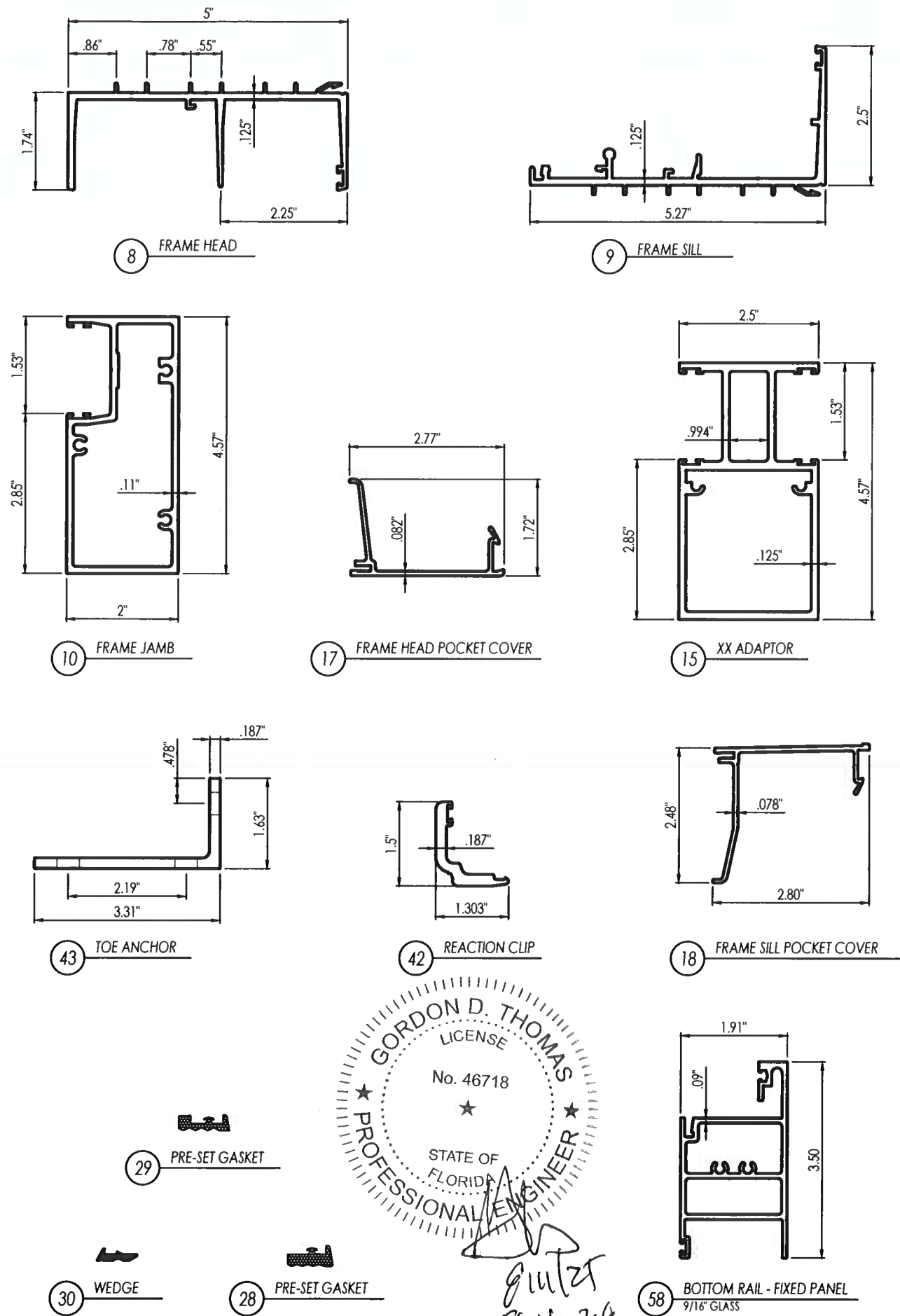
DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.17

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	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 (W5001) 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 CEL 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



5008 TAMPA WEST BLVD.
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PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

		ECV		FBC		JCB		ECV		CO		LFS		BY	
		UPDATE TO 8TH ED. (2023)		UPDATE TO 7TH ED. (2020)		UPDATE TO 6TH ED. (2017)		CHANGE INT. .060 SSP TO .060 PVB		UPDATE TO 5TH ED. (2014)		DESCRIPTION		REVISIONS	
NO	DATE														
5	7/14/25	DATE: 02/26/16													
4	9/21/20	SCALE: NTS													
3	8/9/19	DWG. BY: CO													
2	2/26/16	CHK BY: ECV													
1	2/18/15	DRAWING NO.: FL-15903.17													
SHEET: 11 OF 11															