

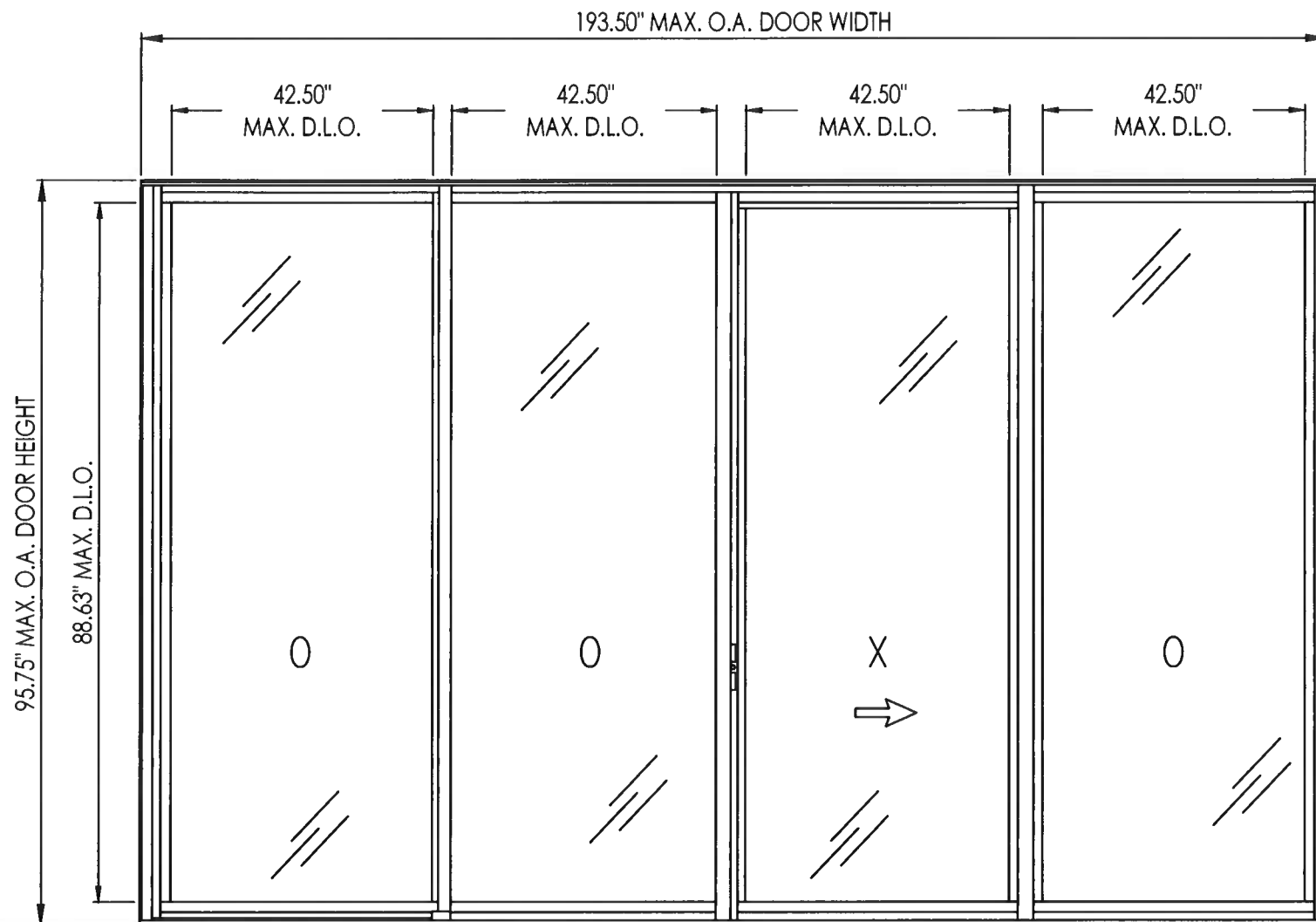
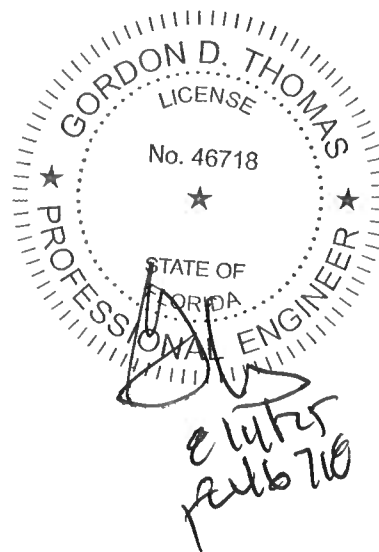


SUNDOR 5000 SLIDING GLASS DOOR "SMALL MISSILE IMPACT"

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
193.50" x 95.75"	42.50" x 88.63"	G1	115.0	135.0
193.50" 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

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

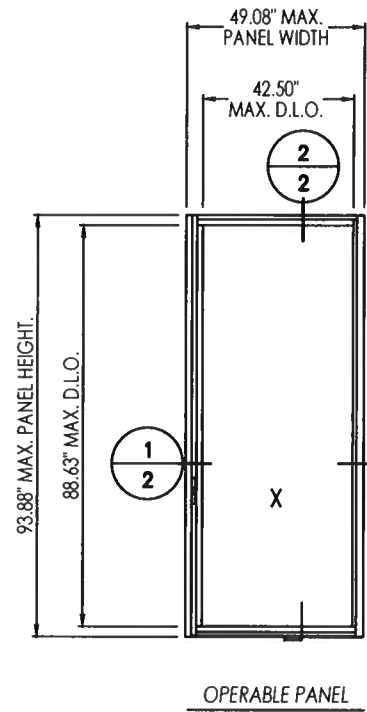
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DWG. BY: CO

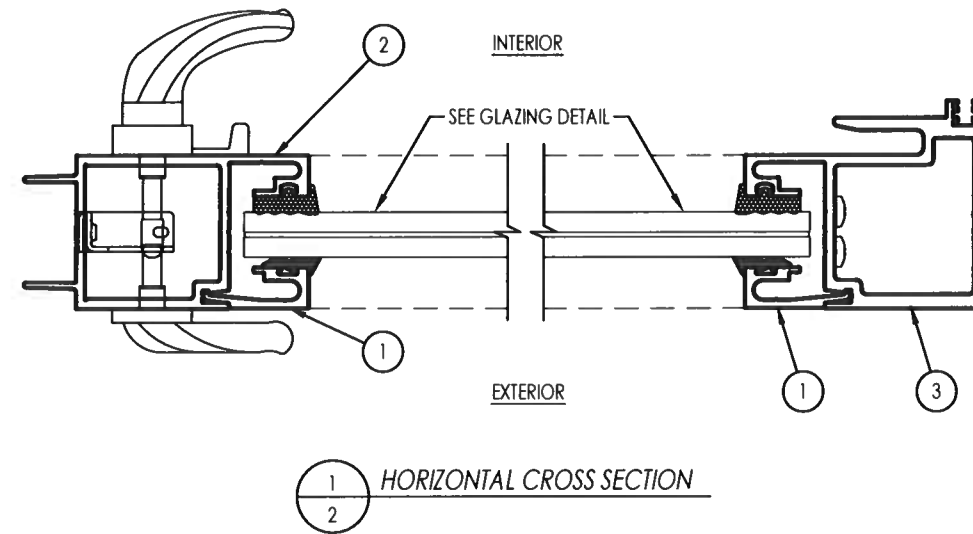
CHK BY: ECV

DRAWING NO.: FL-15903.15

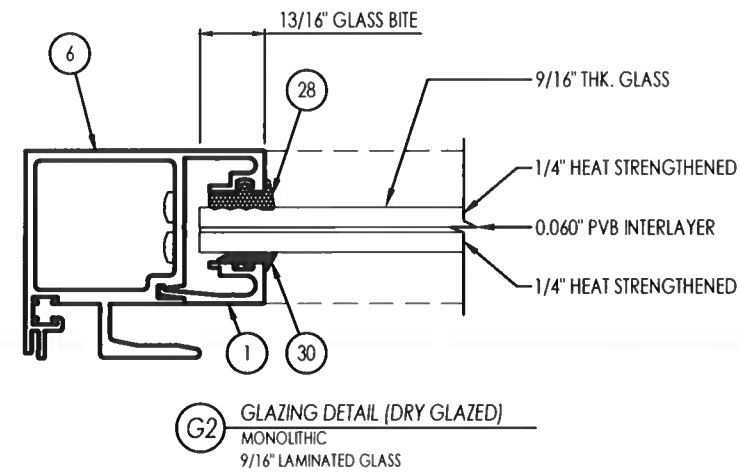
SHEET: 1 OF 12



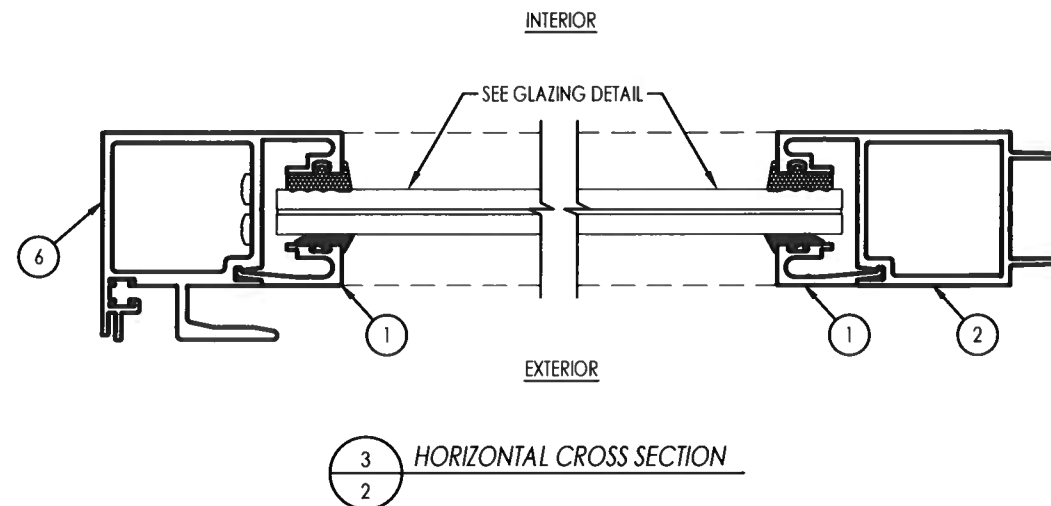
OPERABLE PANEL



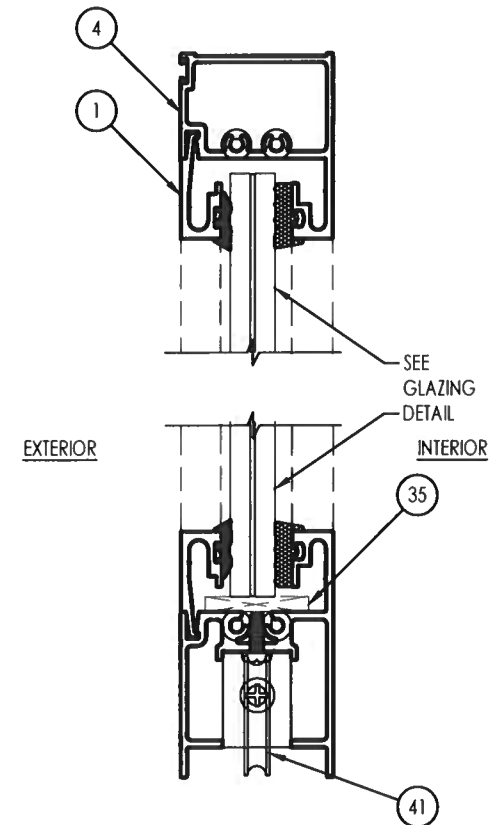
1
2 HORIZONTAL CROSS SECTION



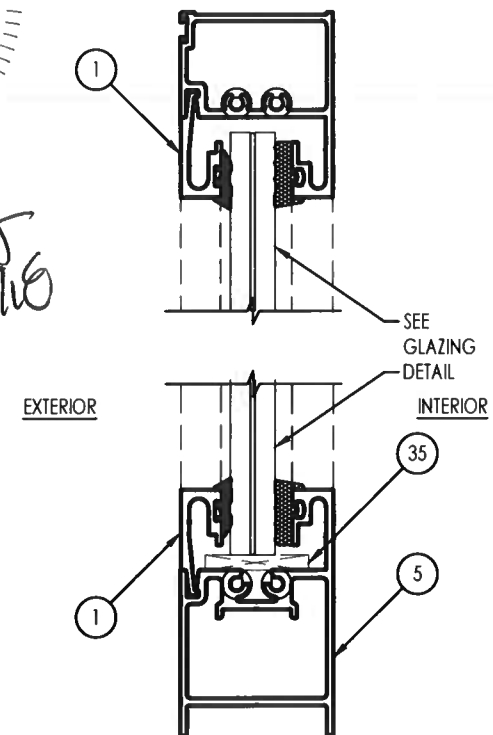
G2 GLAZING DETAIL (DRY GLAZED)
MONOLITHIC
9/16\"/>



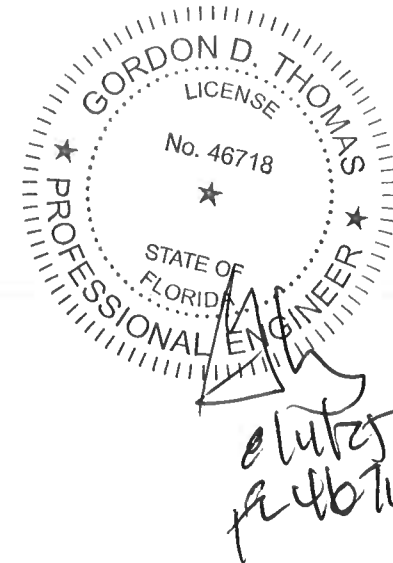
3
2 HORIZONTAL CROSS SECTION



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

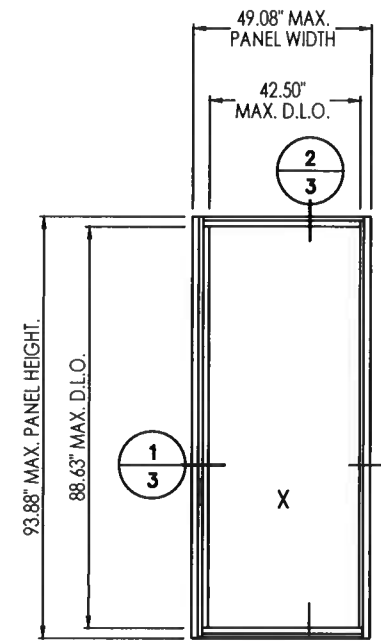
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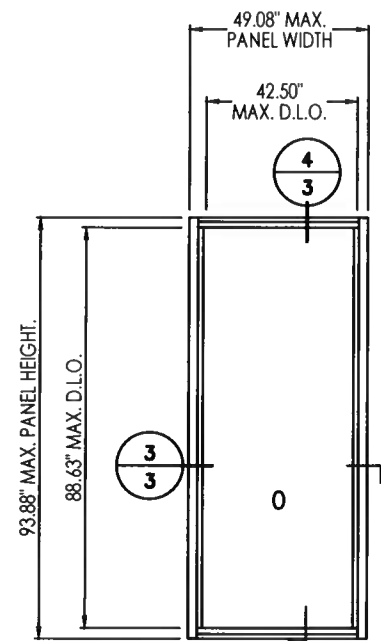
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FL-15903.15

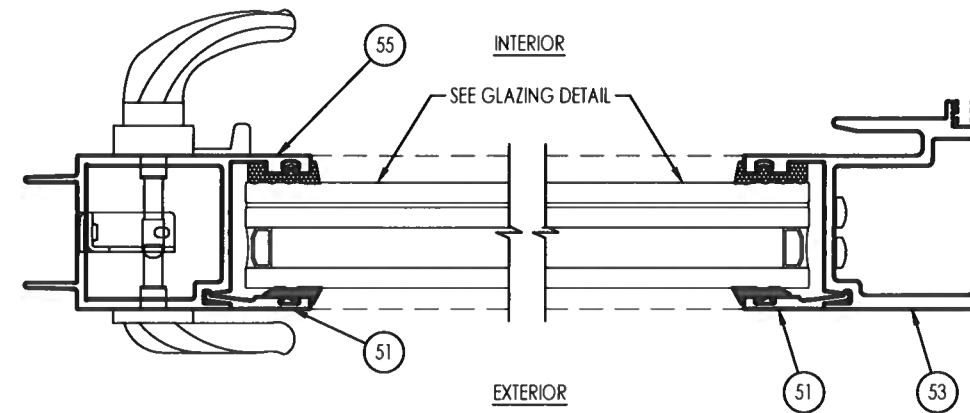
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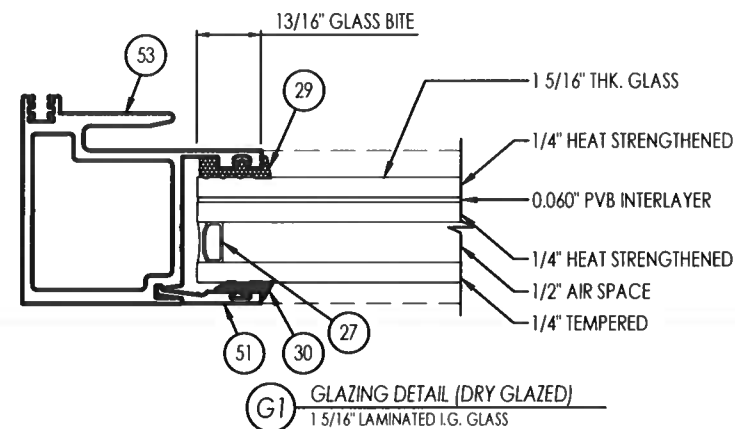
OPERABLE PANEL



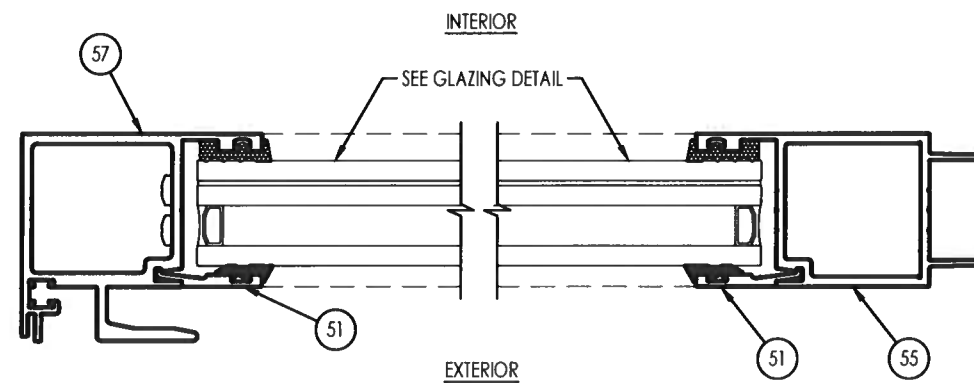
FIXED PANEL



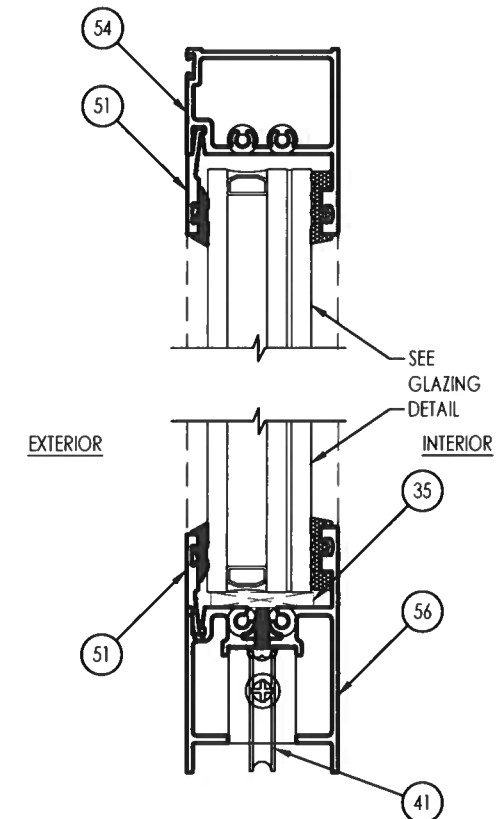
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3 HORIZONTAL CROSS SECTION



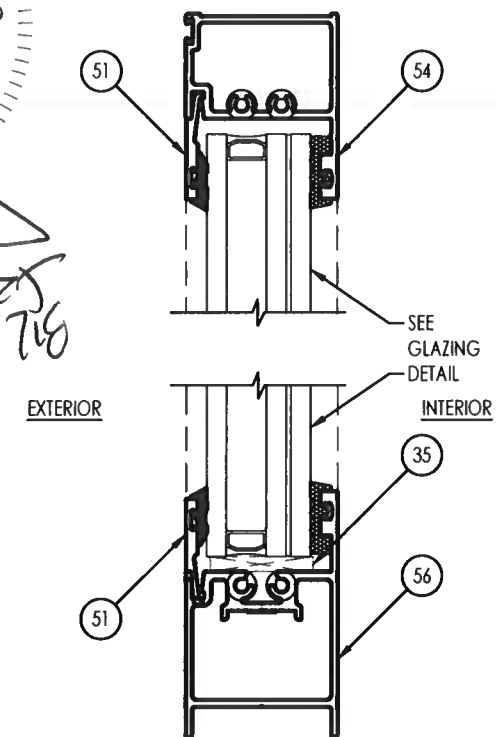
G1 GLAZING DETAIL (DRY GLAZED)
1 5/16" LAMINATED I.G. GLASS



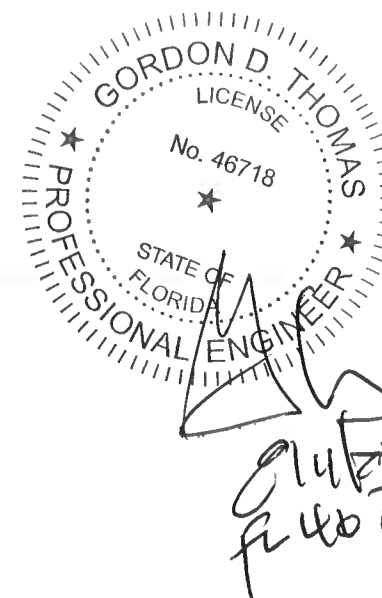
3
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION



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PRODUCT:
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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: 07/13/18

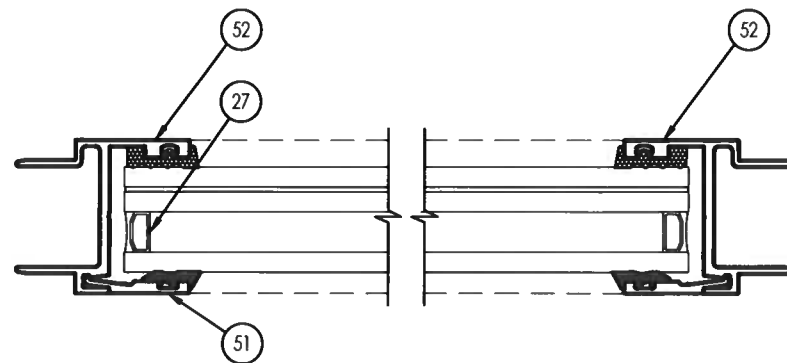
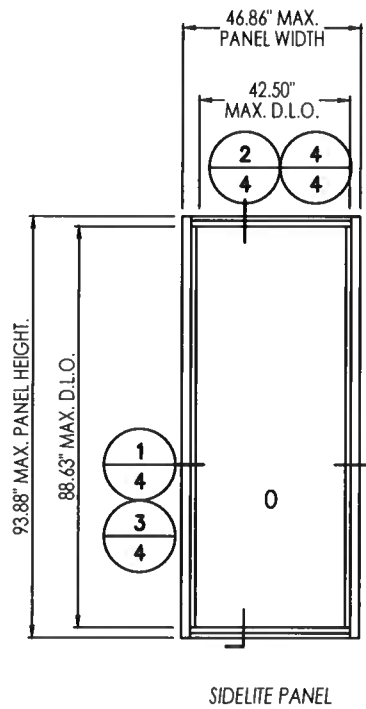
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DWG. BY: CO

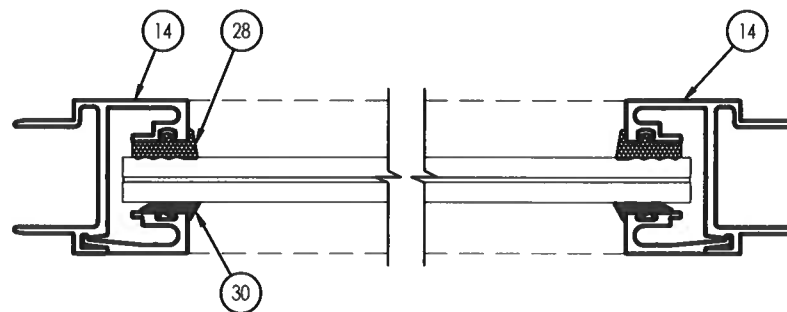
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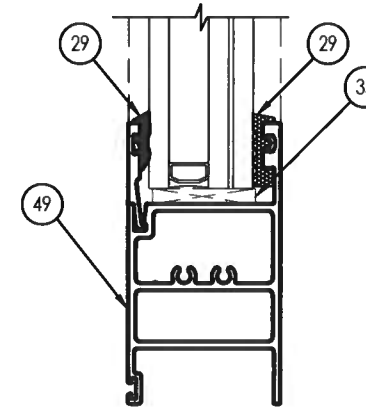
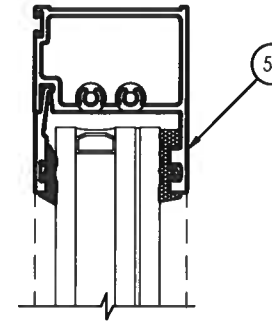
SHEET: 3 OF 12



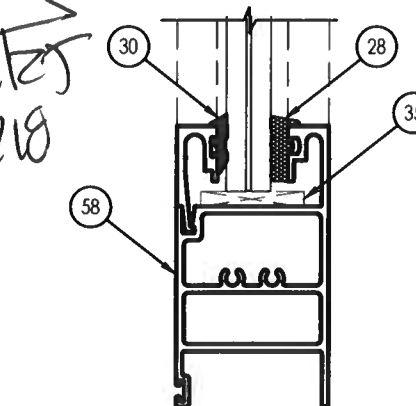
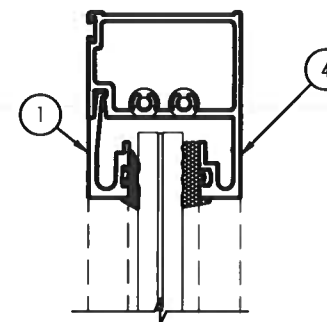
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4 HORIZONTAL CROSS SECTION



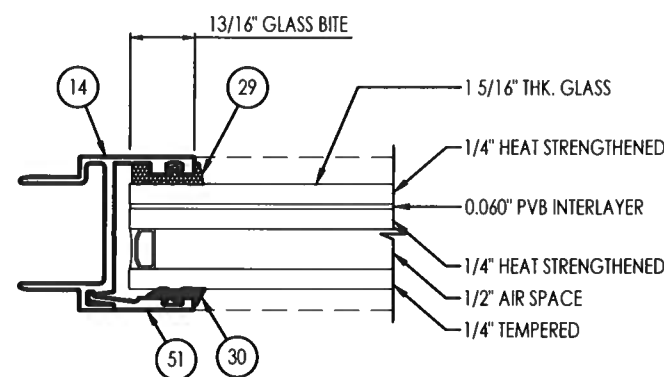
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4 HORIZONTAL CROSS SECTION



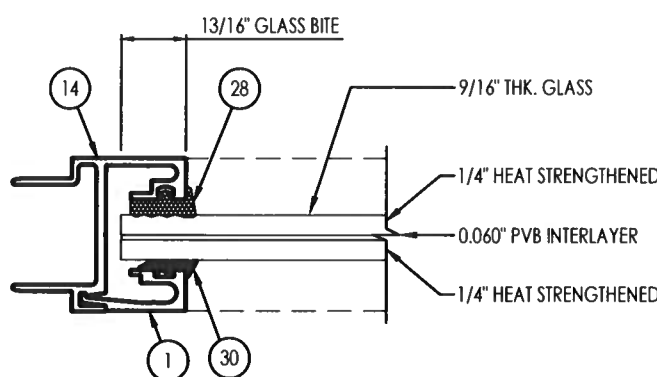
2
4 VERTICAL CROSS SECTION



4
4 VERTICAL CROSS SECTION



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



G2 GLAZING DETAIL
MONOLITHIC
9/16" LAMINATED GLASS



eluter
FL 46718

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PRODUCT:

SLIDING GLASS DOOR

PART OR ASSEMBLY:

SIDELITE 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 SSP TO .080 PVB CO	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	

DATE: 02/26/16

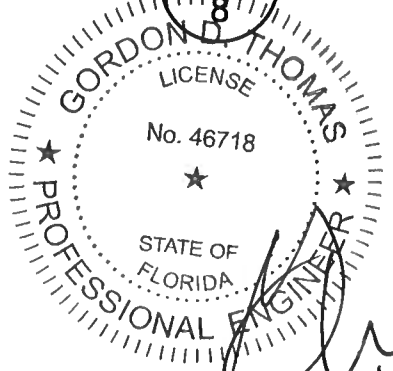
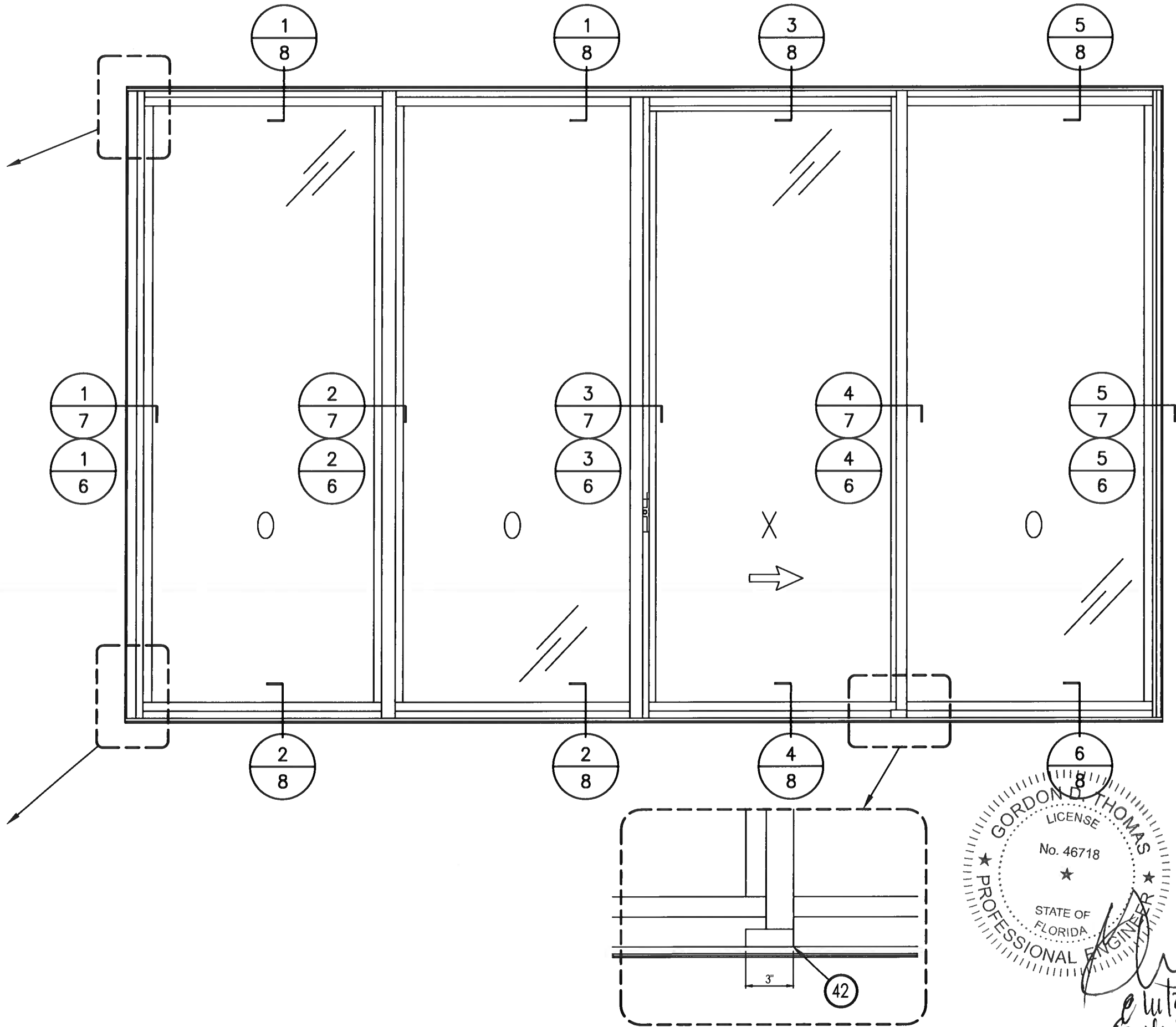
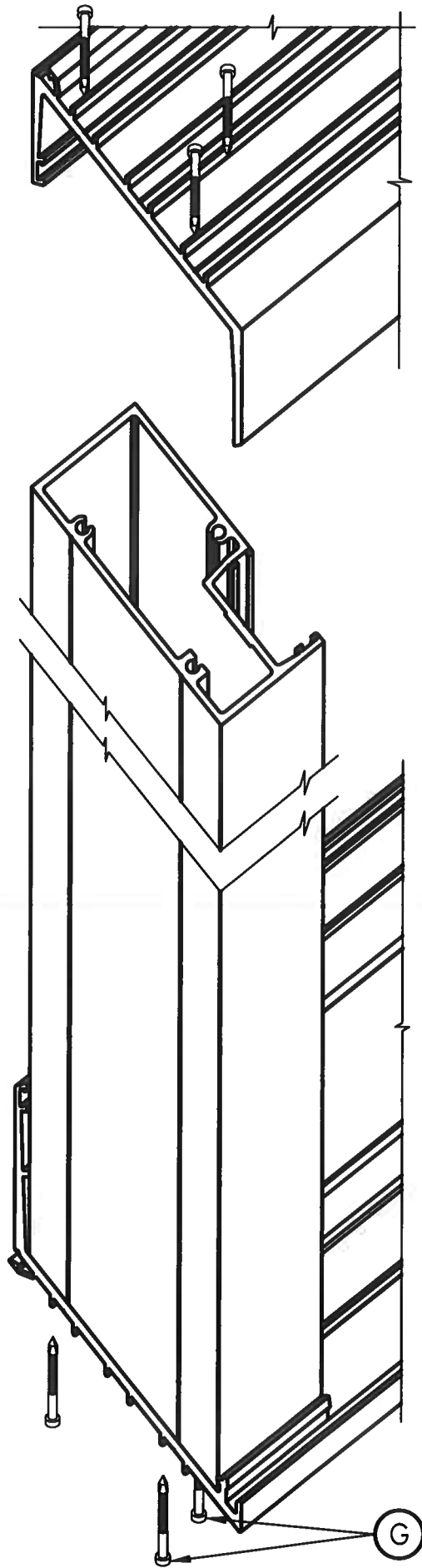
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DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.15

SHEET: 4 OF 12



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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 PNB CO	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	

DATE: 02/26/16

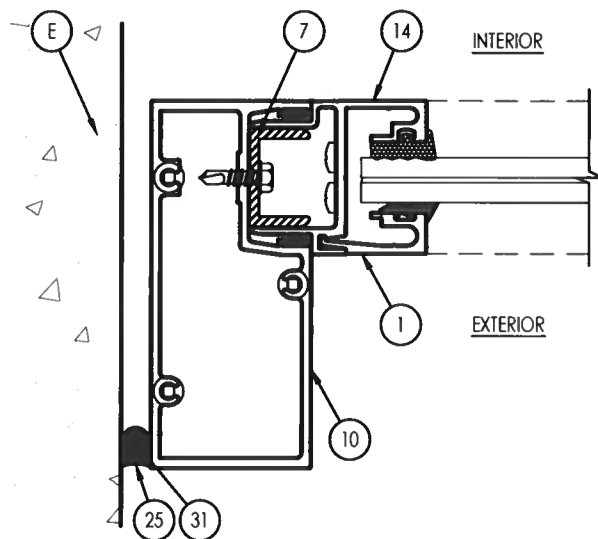
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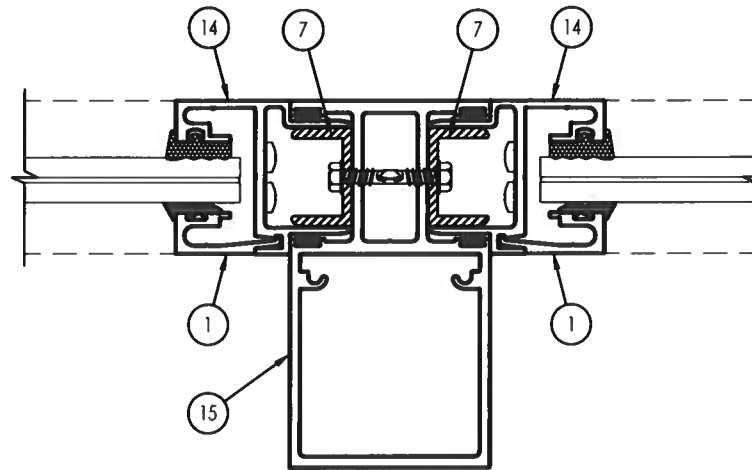
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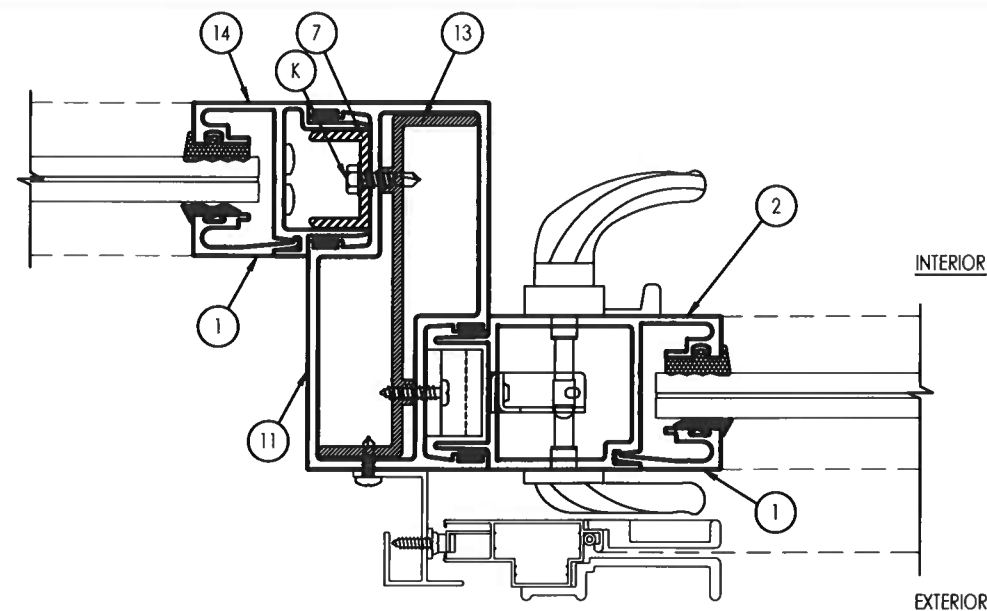
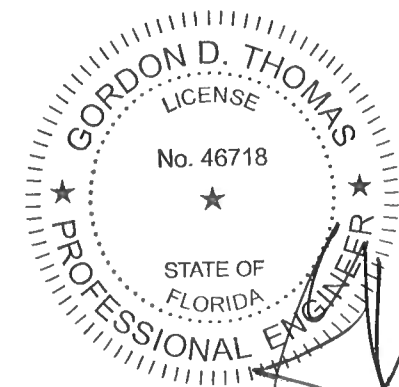
SHEET: 5 OF 12



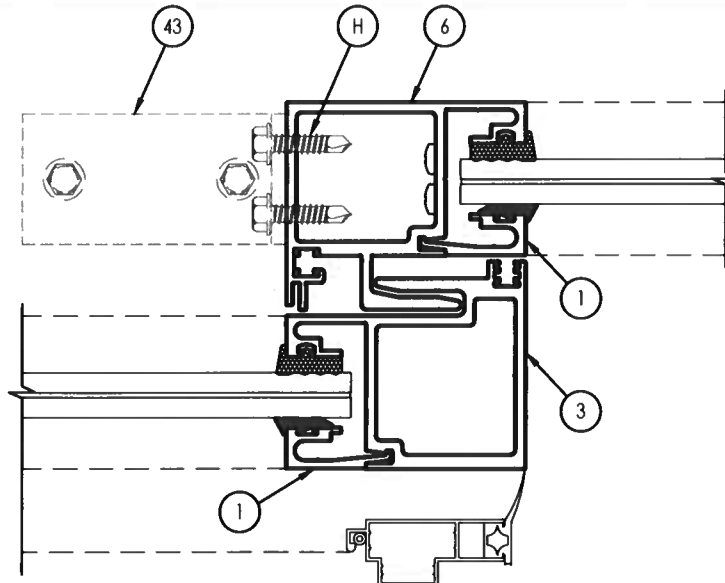
1
6 HORIZONTAL CROSS SECTION



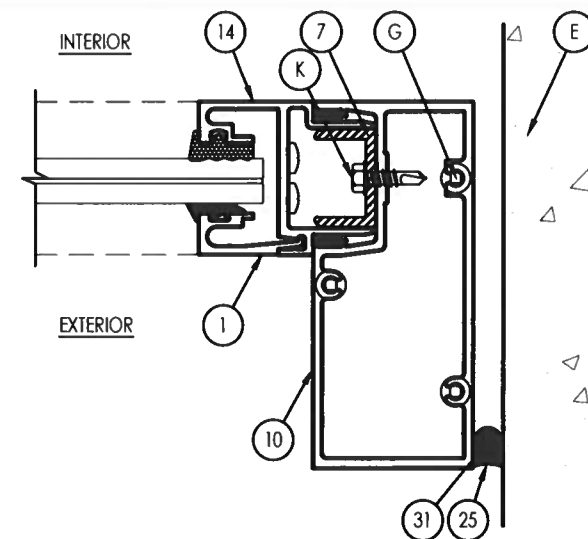
2
6 HORIZONTAL CROSS SECTION



3
6 HORIZONTAL CROSS SECTION



4
6 HORIZONTAL CROSS SECTION



5
6 HORIZONTAL CROSS SECTION

PRODUCT:

SLIDING GLASS DOOR

PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

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

DATE: 02/26/16

SCALE: NTS

DWG. BY: CO

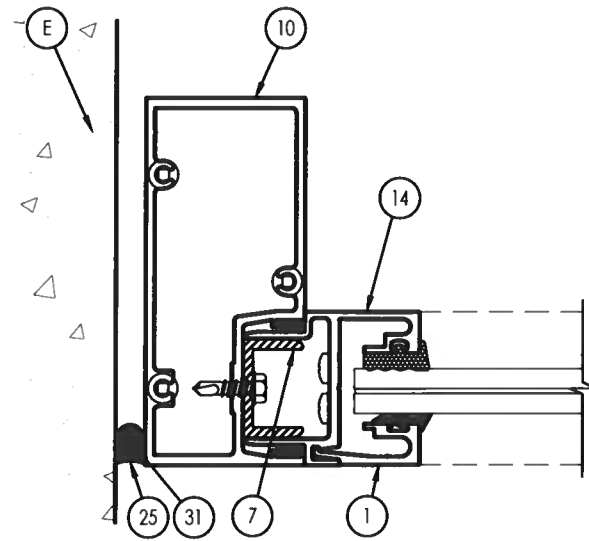
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DRAWING NO.:
FL-15903.15

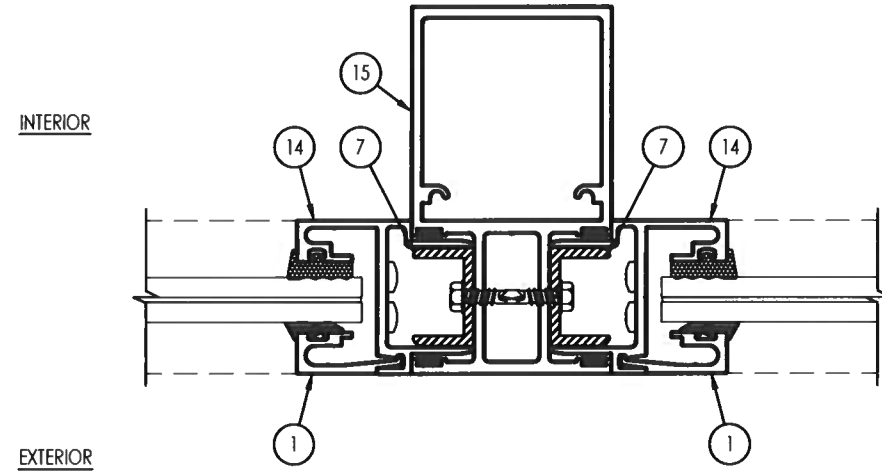
SHEET: 6 OF 12



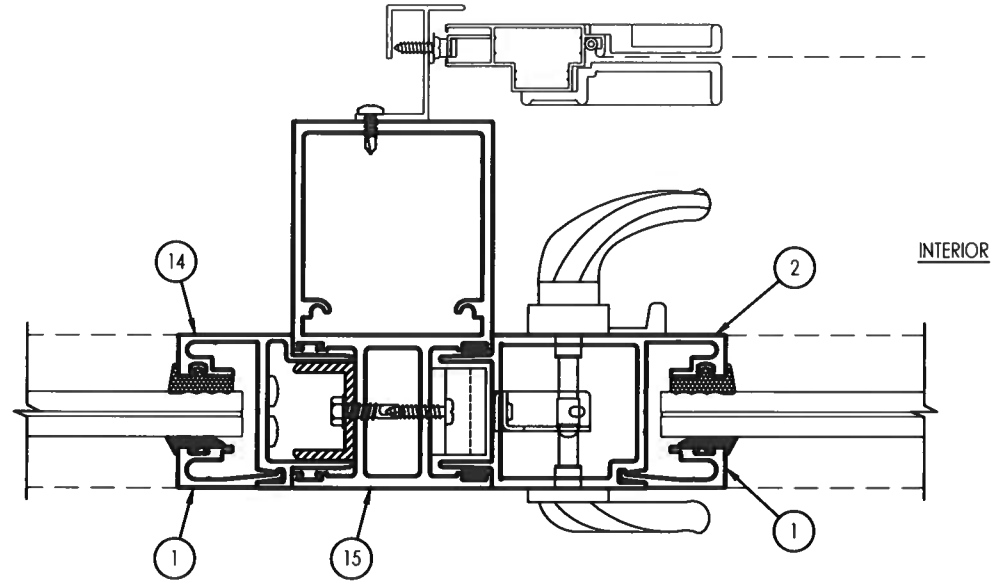
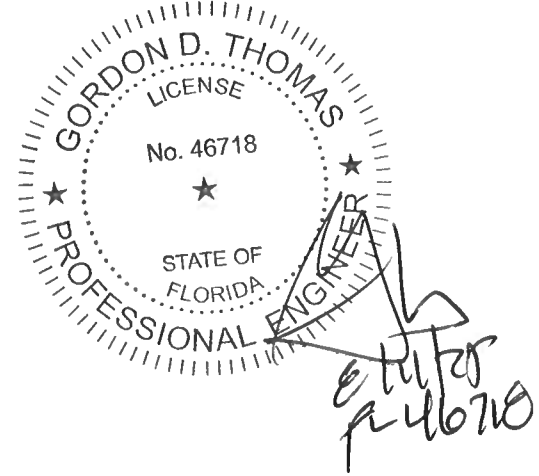
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



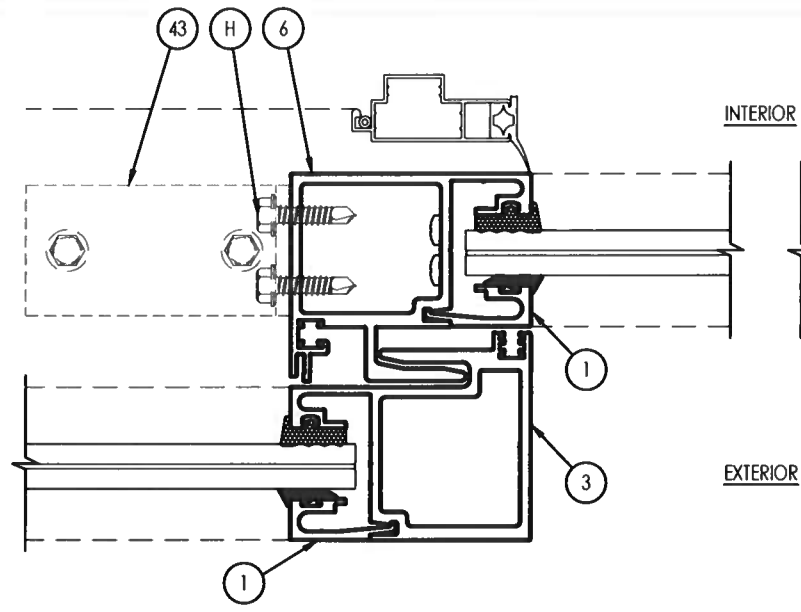
1 HORIZONTAL CROSS SECTION
7



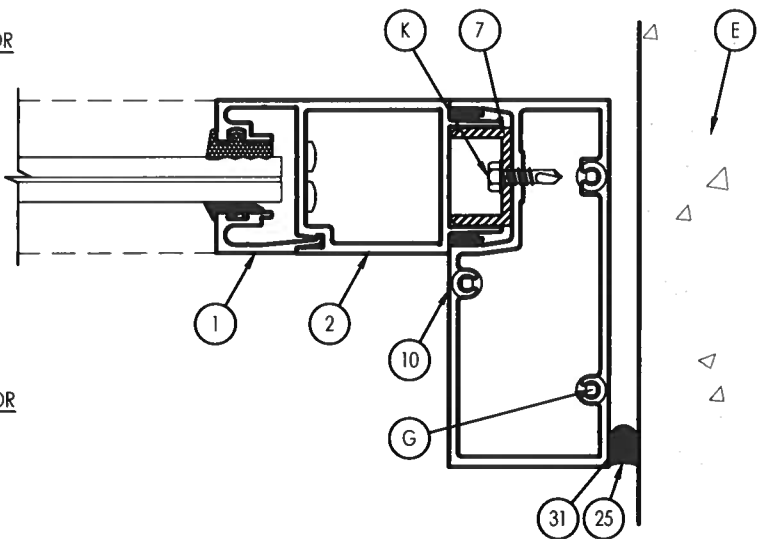
2 HORIZONTAL CROSS SECTION
7



3 HORIZONTAL CROSS SECTION
7

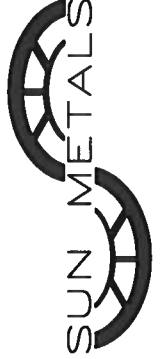


4 HORIZONTAL CROSS SECTION
7



5 HORIZONTAL CROSS SECTION
7

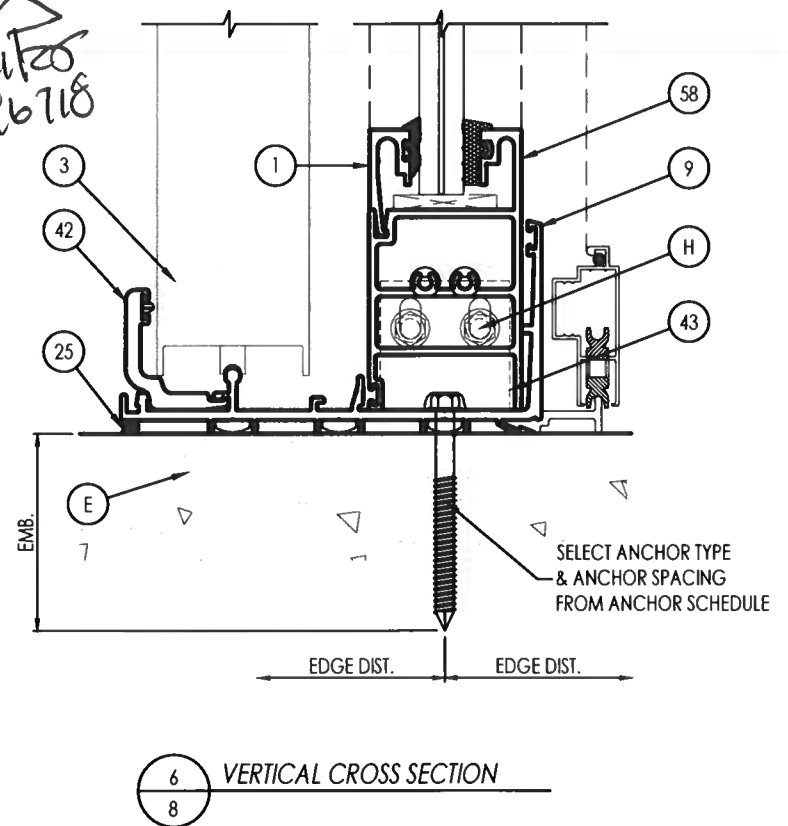
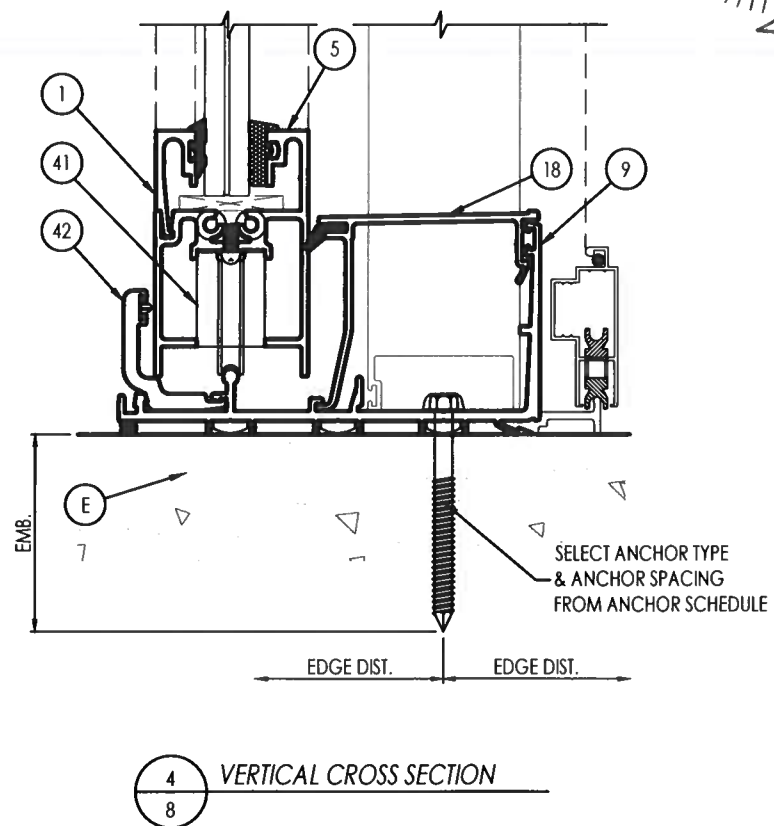
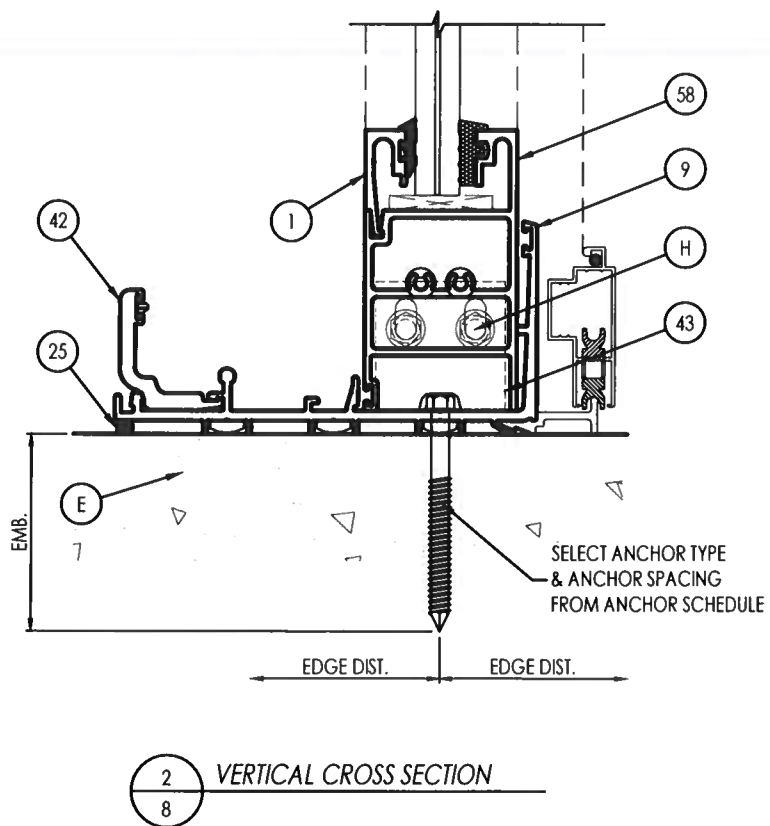
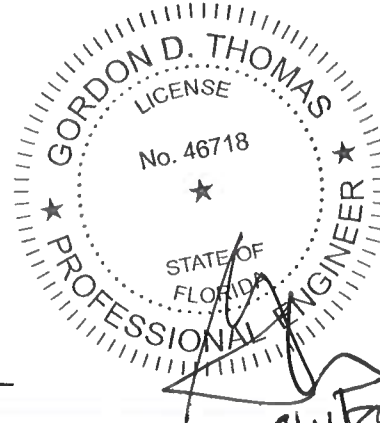
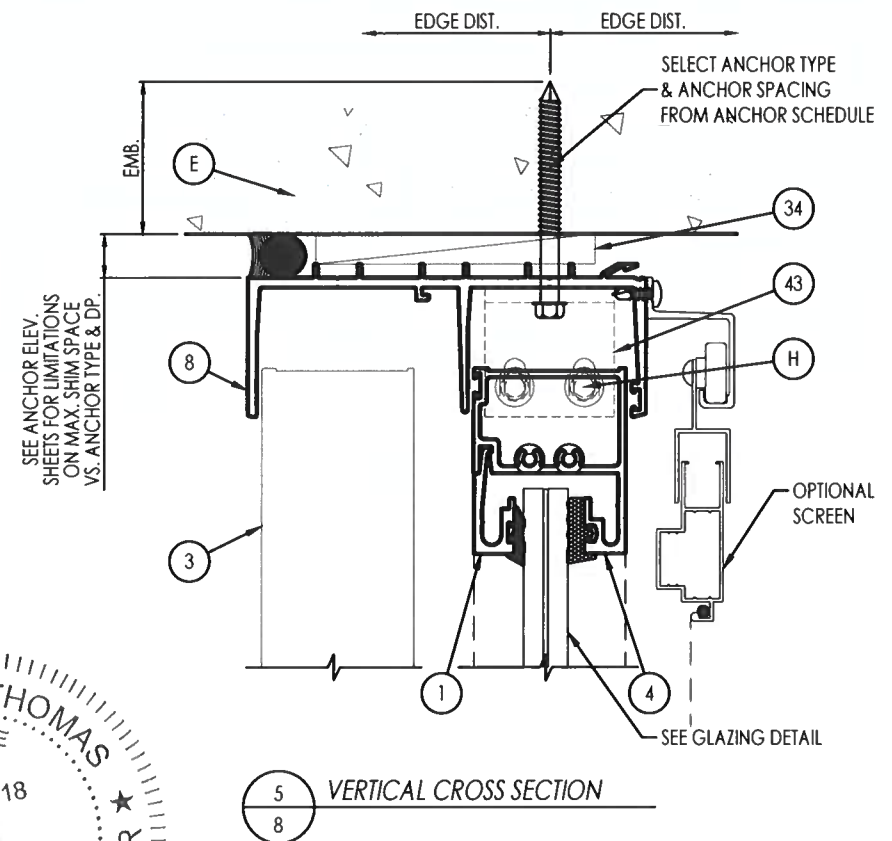
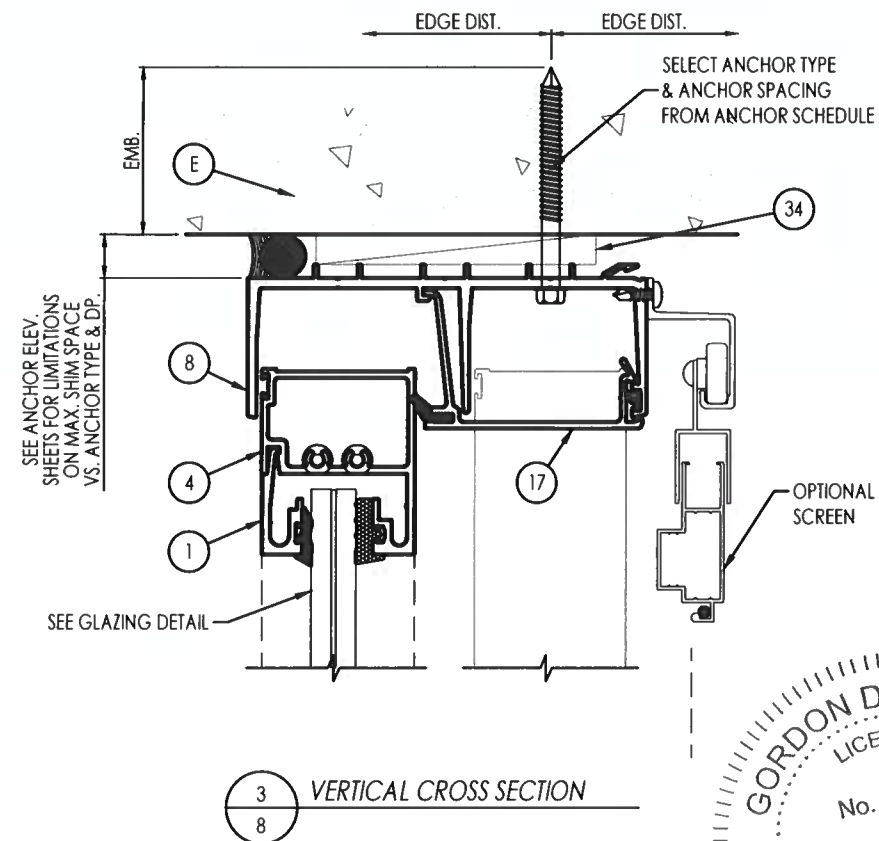
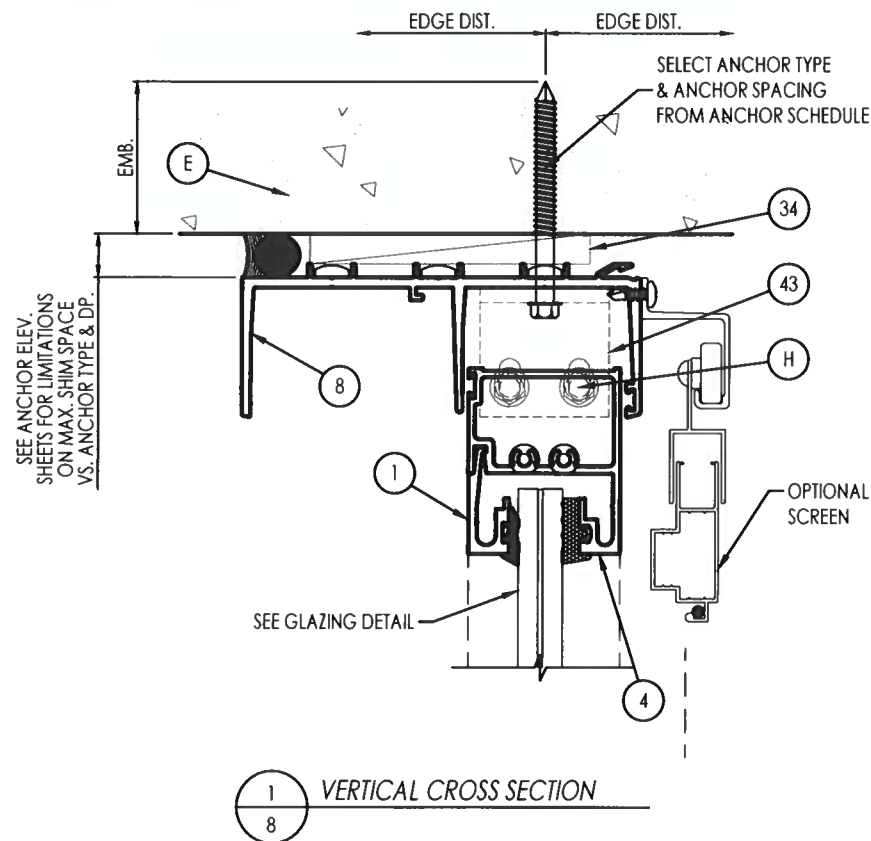
5008 TAMPA WEST BLVD.
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PRODUCT: SLIDING GLASS DOOR
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

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
SCALE: NTS
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15903.15
SHEET: 1 OF 12



5008 TAMPA WEST BLVD.
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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 SQP TO .060 PMB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS

DATE: 02/26/16

SCALE: NTS

DWG. BY: CO

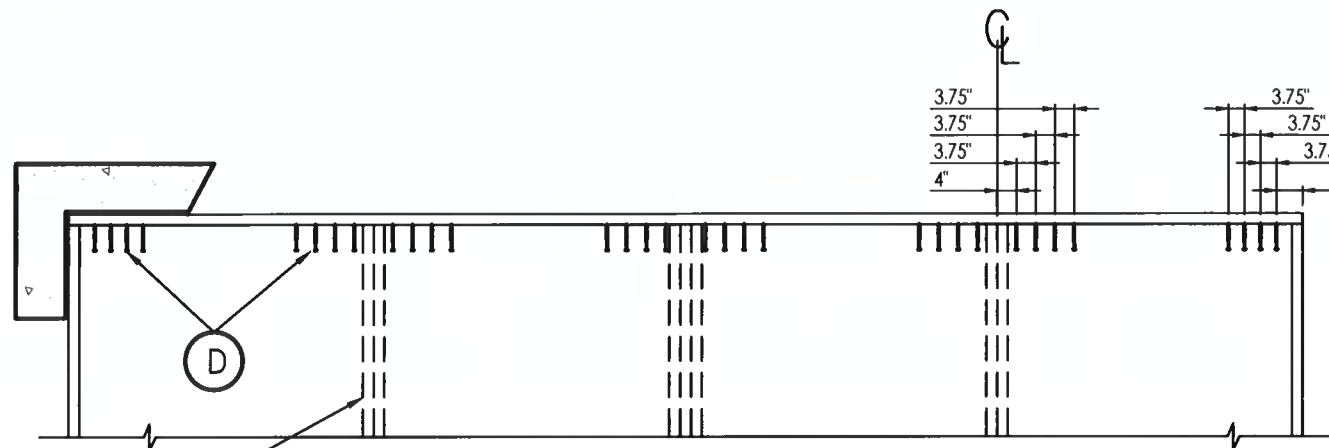
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DRAWING NO.:
FL-15903.15

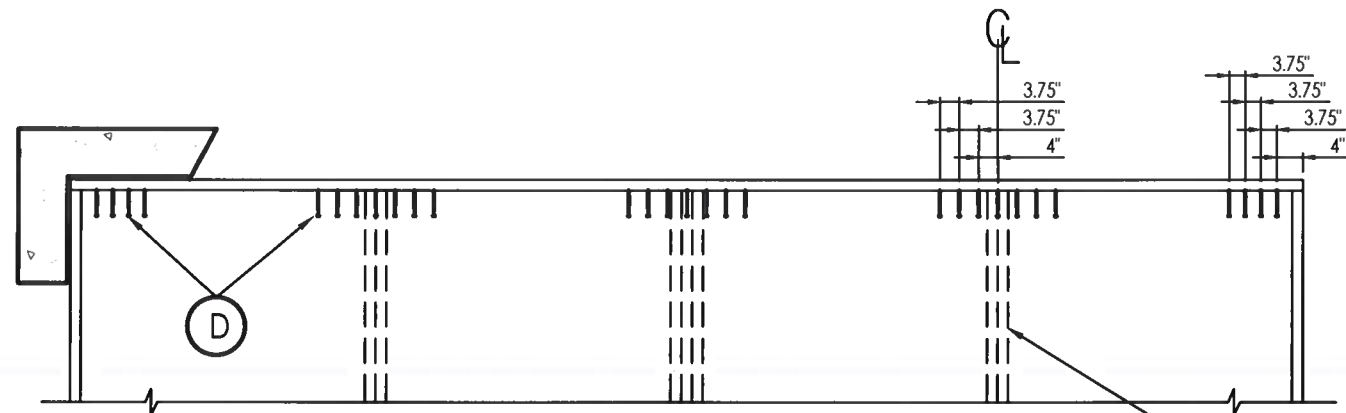
SHEET: 8 OF 12



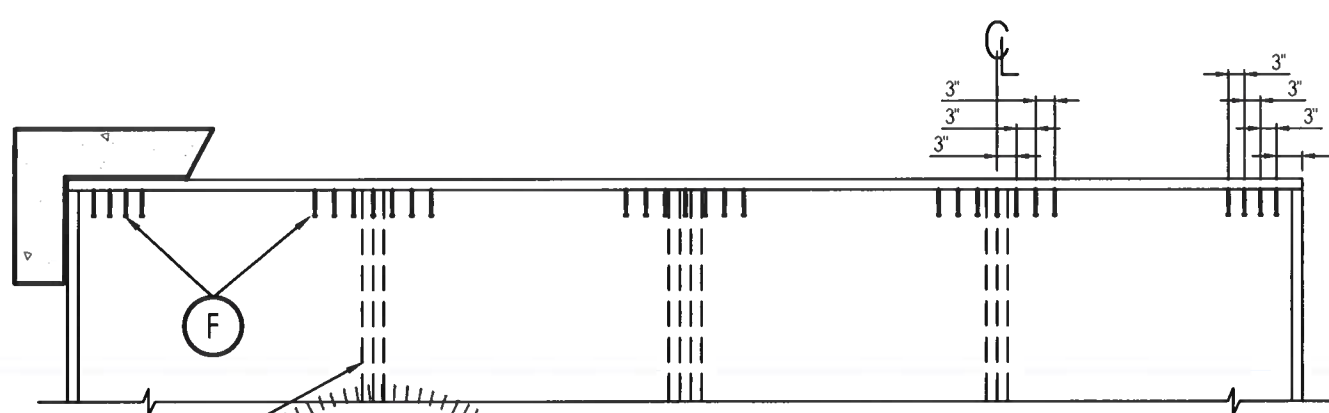
FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .625



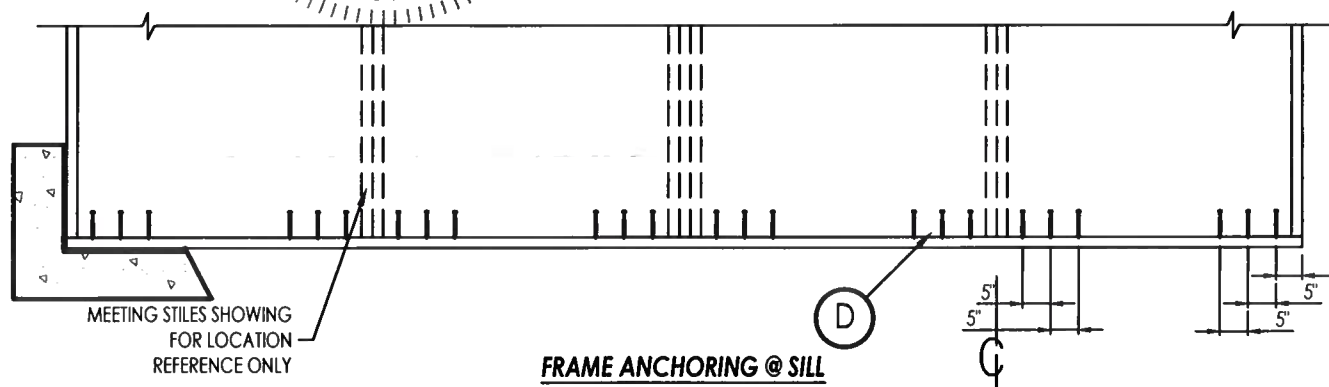
FRAME ANCHORING @ HEAD
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 Max. shim space <= .25



FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .41

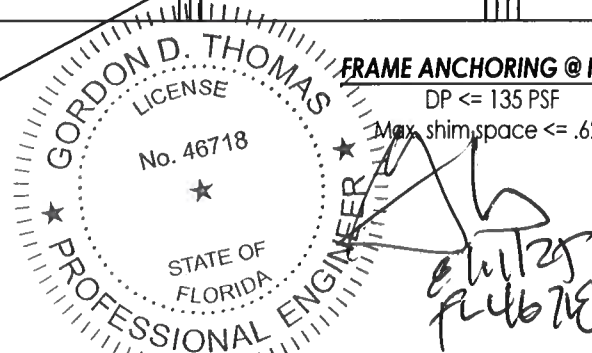


FRAME ANCHORING @ HEAD
 DP <= 135 PSF
 Max. shim space <= .625



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

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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SUN METALS

PRODUCT:
 SLIDING GLASS DOOR

PART OR ASSEMBLY:
 ANCHORING
 CONCRETE SUBSTRATE

NO	DATE	DESCRIPTION	REVISIONS	
			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 PWB	CO	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS	

DATE: 02/26/16

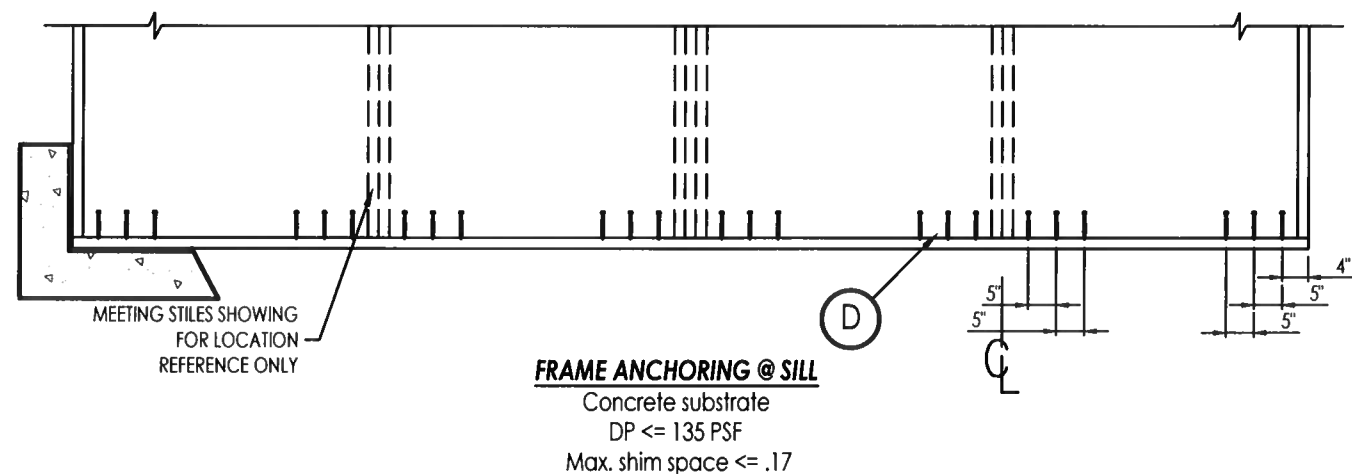
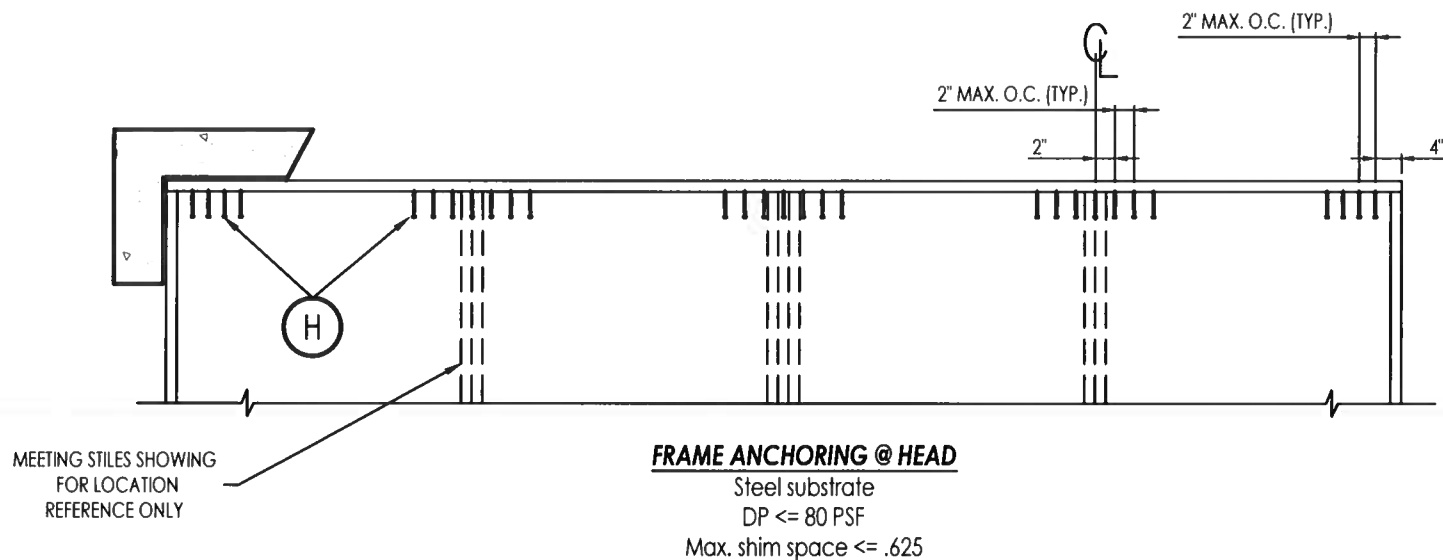
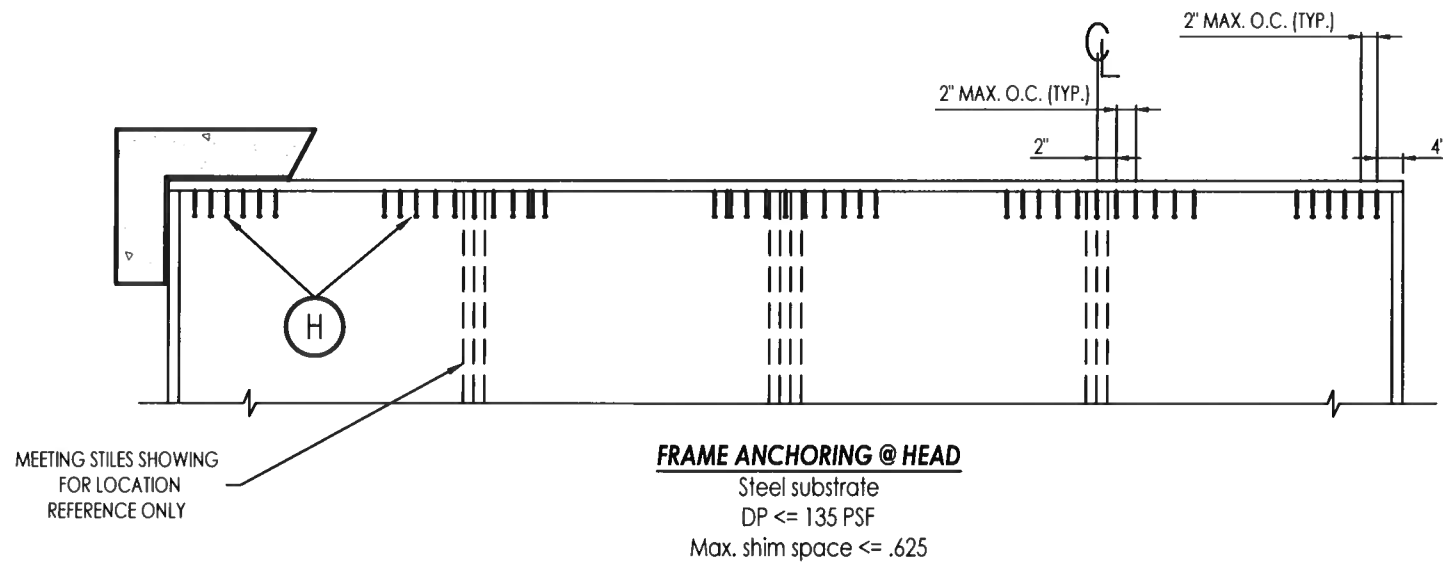
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DWG. BY: CO

CHK BY: ECV

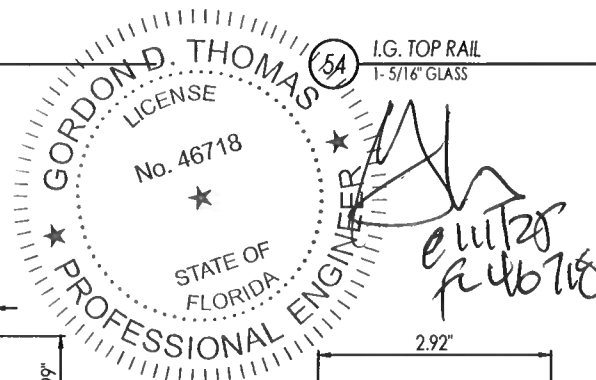
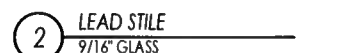
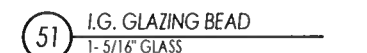
DRAWING NO.: FL-15903.15

SHEET: **9** OF **12**



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.

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	
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			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.15			
SHEET: 10 OF 12			



PRODUCT: SLIDING GLASS DOOR

T: SLIDING GLASS DO

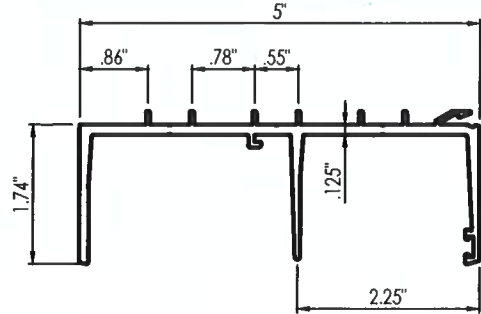
NO	DATE	DESCRIPTION	BY
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4	9/21/20	UPDATE TO 7TH ED. (2020)	FBC JCB
3	8/9/19	UPDATE TO 6TH ED. (2017)	FBC ECV
2	2/26/16	CHANGE INT. .060 SGR TO .060 PVB	CO
1	2/18/15	UPDATE TO 5TH ED. (2014)	FBC LFS

DATE: 02/26/16
SCALE: NTS
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15903.15
SHEET: 11 OF 12

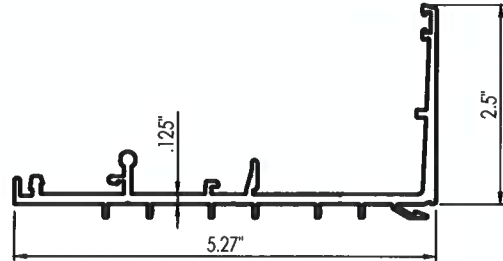
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TAMPA, FLORIDA 33634
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FAX: (813) 886-0666



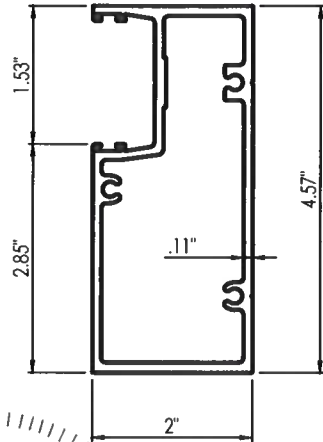
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	5/16" x 2-3/4" HWH ITW TAPCON XL CONCRETE ANCHOR	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301	CONCRETE
F	3/8" x 2-1/2" ITW DYNABOLT SLEEVE ANCHOR	STEEL
G	#10 x 1-1/2" SQ-PH ASSEMBLY SCREW	STL. STEEL
H	1/4-20 HWH HILTI KWIK-FLEX SELF 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
11	OXO ADAPTOR 6005-T5	ALUM
13	OXO ADAPTOR REINFORCEMENT 6005-T5	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



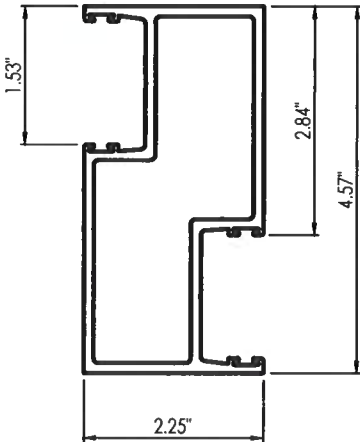
8 FRAME HEAD



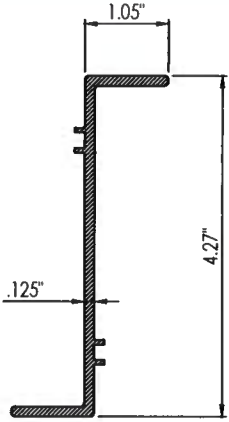
9 FRAME SILL



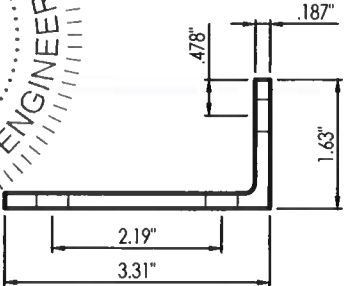
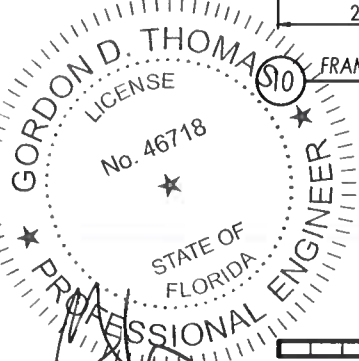
10 FRAME JAMB



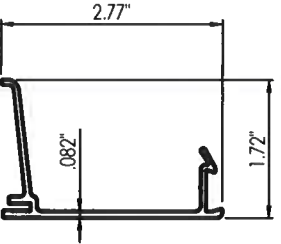
11 OXO ADAPTOR



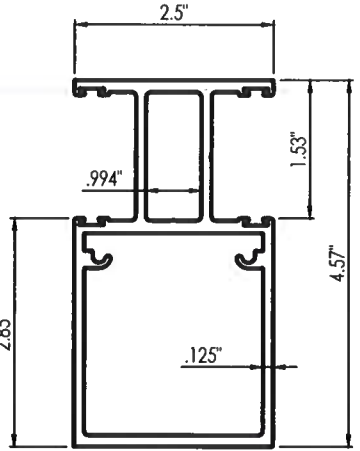
13 OXO REINFORCEMENT



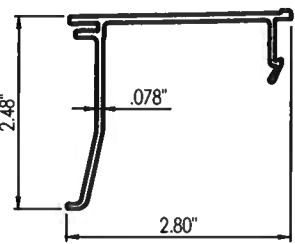
43 TOE ANCHOR



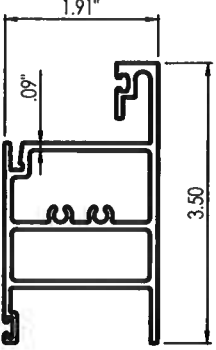
17 FRAME HEAD POCKET COVER



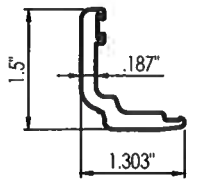
15 XX ADAPTOR



18 FRAME SILL POCKET COVER



58 BOTTOM RAIL - FIXED PANEL
9/16" GLASS



42 REACTION CLIP

30 WEDGE GASKET

28 PRE-SET GASKET

29 PRE-SET GASKET

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



PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& 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	
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DATE: 02/26/16

SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.15

SHEET: 12 OF 12