



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.

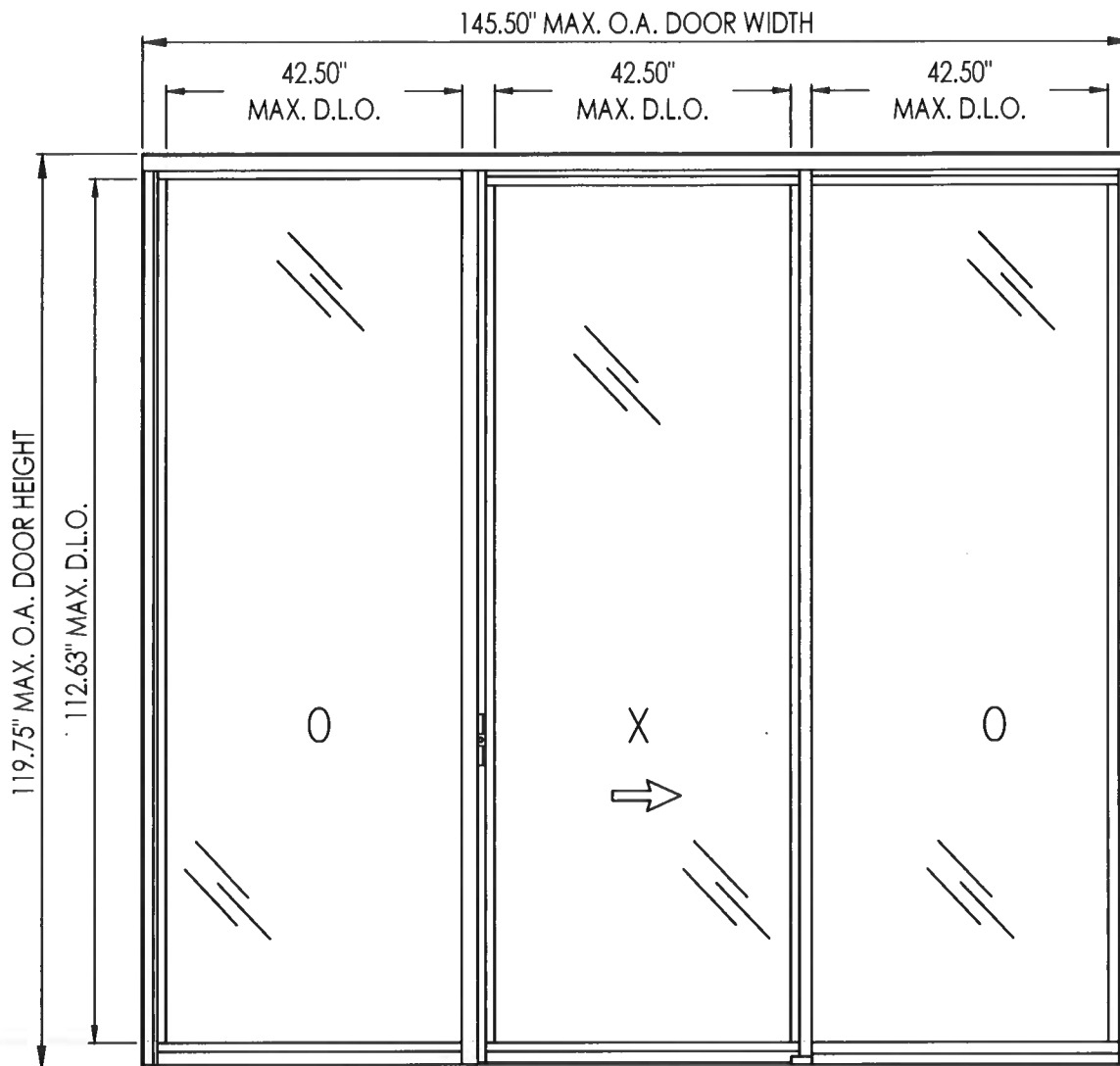
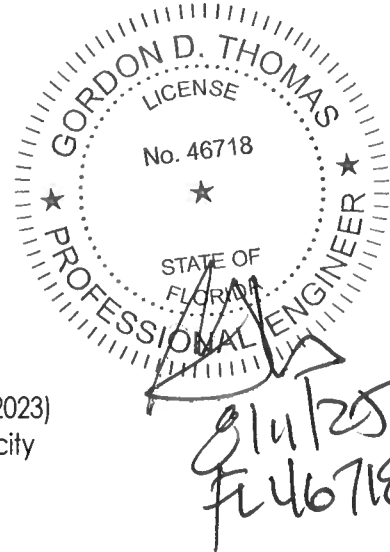


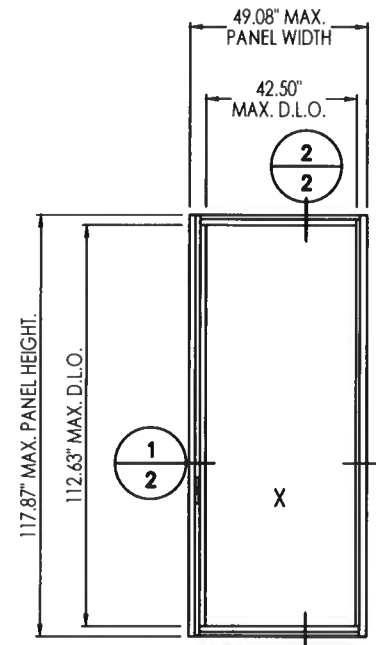
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9	ANCHORING - STEEL SUBSTRATE
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O.A. FRAME DIMENSION	D.L.O. DIMENSION	REINFOCED	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
145.50" x 119.75"	42.50" x 112.63"	YES	G3, G4	100.0	100.0
			G1, G2	70.0	75.0
145.50" x 119.75"	42.50" x 112.63"	NO	G1, G2 G3, G4	70.0	75.0

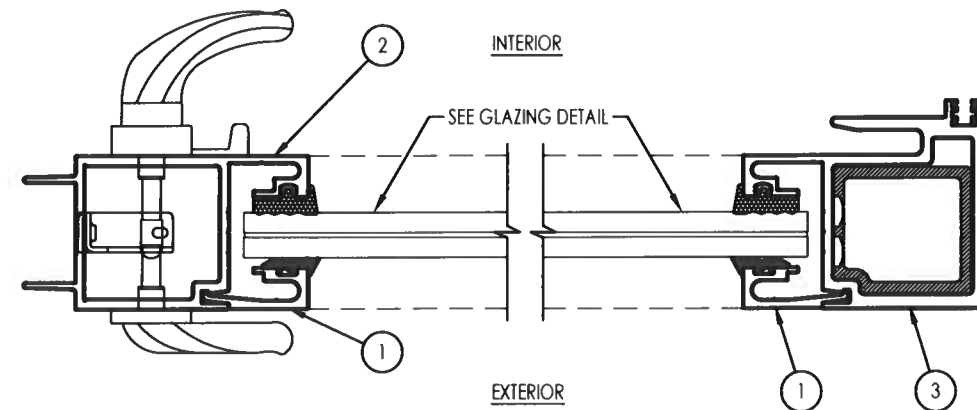
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



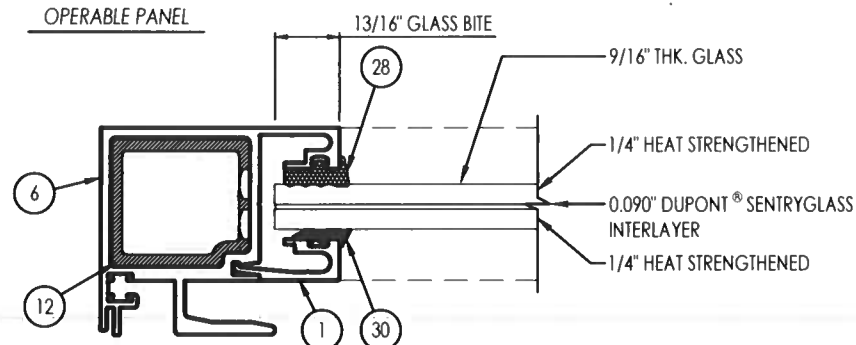
PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
			ECV
			JCB
4	7/14/25	UPDATE TO 8TH ED. (2023)	FBC
3	9/21/20	UPDATE TO 7TH ED. (2020)	FBC
2	8/9/19	UPDATE TO 6TH ED. (2017)	ECV
1	2/18/15	UPDATE TO 5TH ED. (2014)	LFS
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 08/09/19			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.:			
FL-15903.9			
SHEET: 1 OF 11			



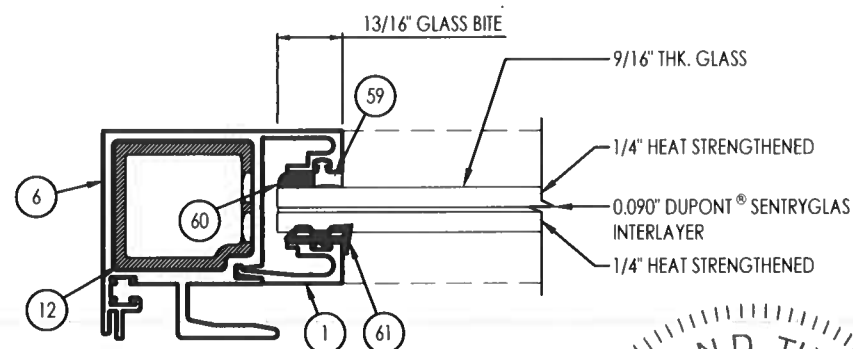
OPERABLE PANEL



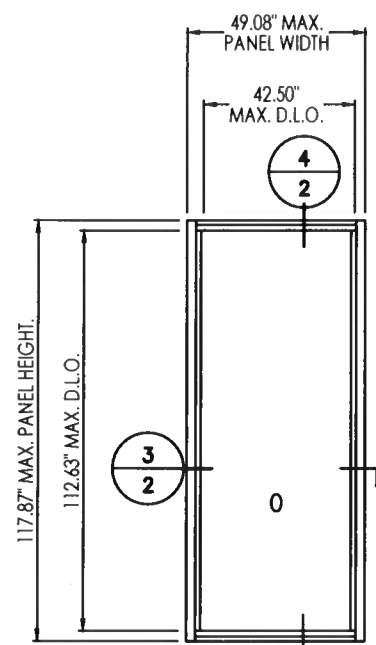
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2 HORIZONTAL CROSS SECTION



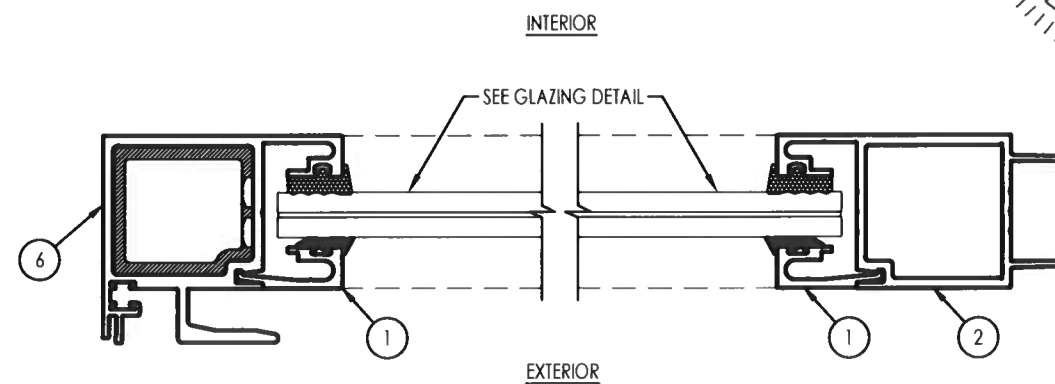
G2 GLAZING DETAIL (DRY GLAZED)
MONOLITHIC
9/16\"/>



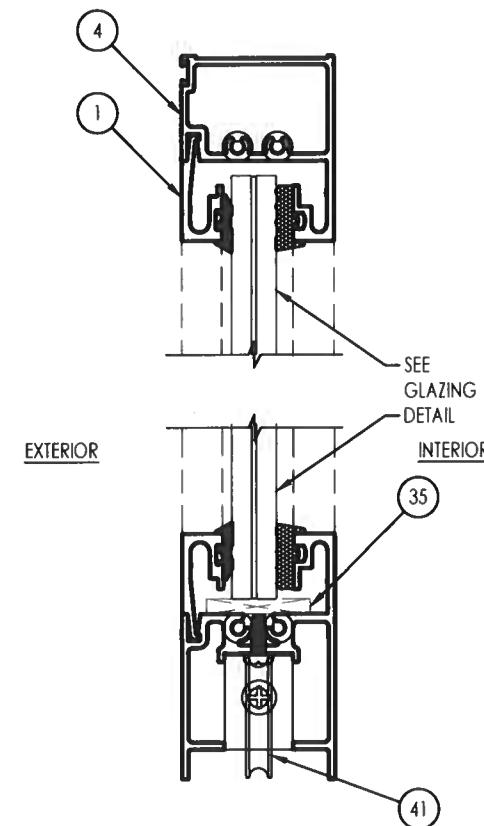
G3 GLAZING DETAIL (WET GLAZED)
MONOLITHIC
9/16\"/>



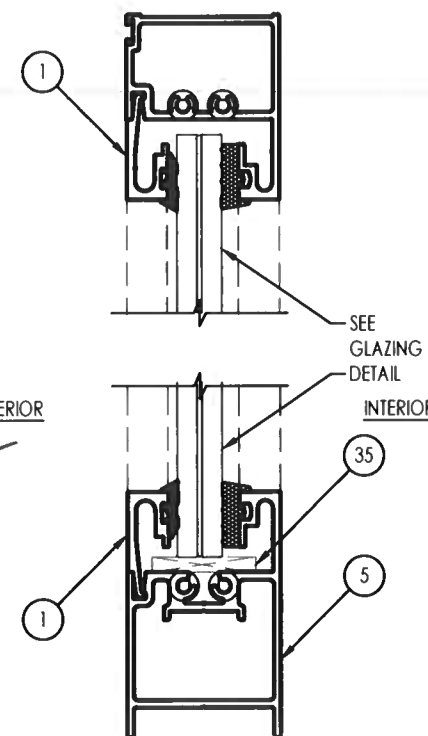
FIXED PANEL



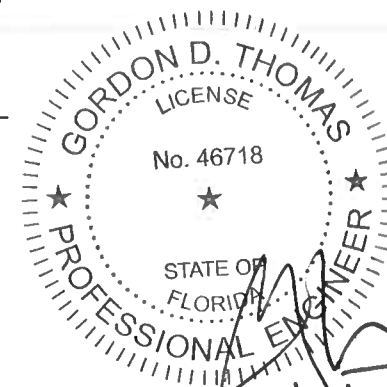
3
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION



4
2 VERTICAL CROSS SECTION



Handwritten signature and date:
11/25
FL 46718

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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
DOOR 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

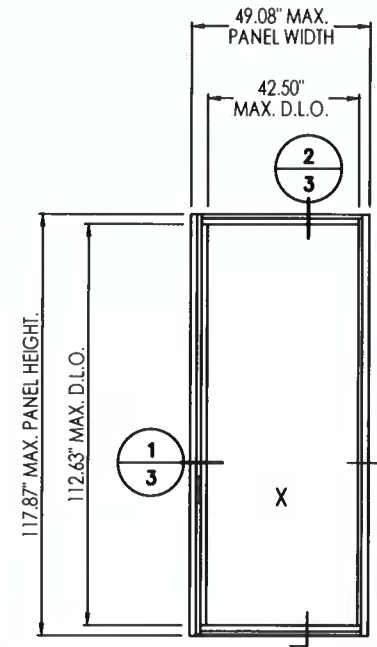
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DWG. BY: CO

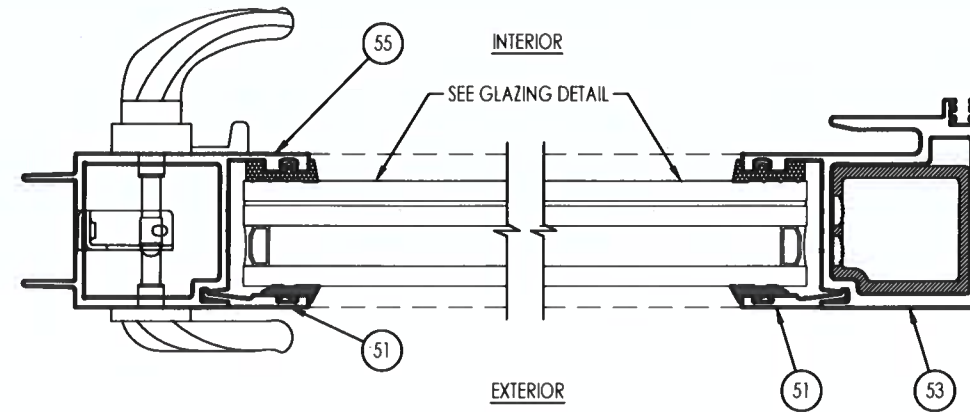
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DRAWING NO.:
FL-15903.9

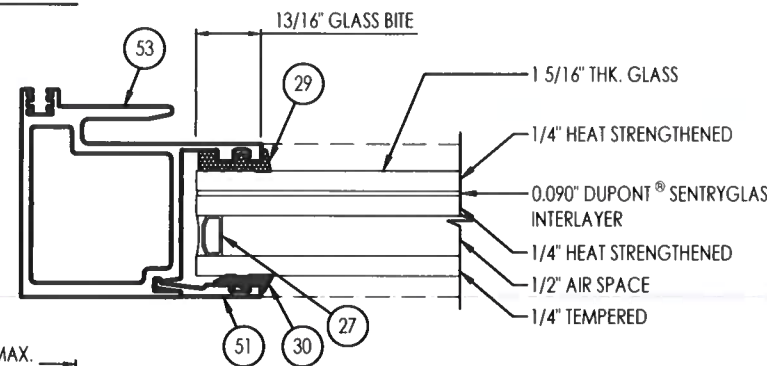
SHEET: 2 OF 11



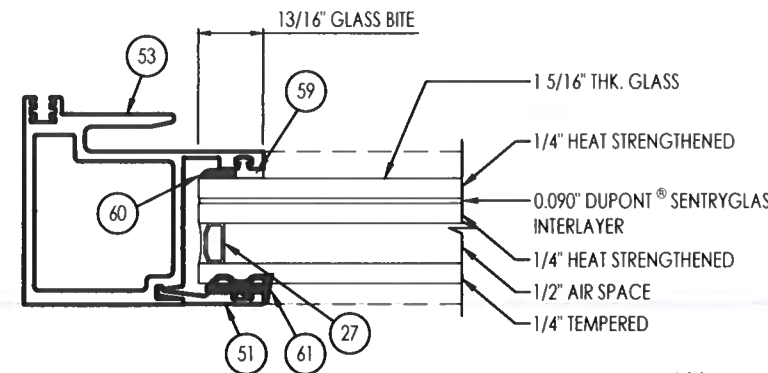
OPERABLE PANEL



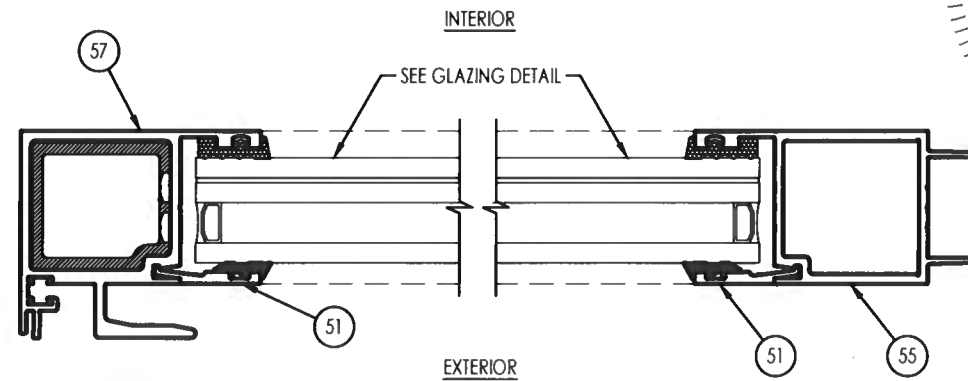
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3 HORIZONTAL CROSS SECTION



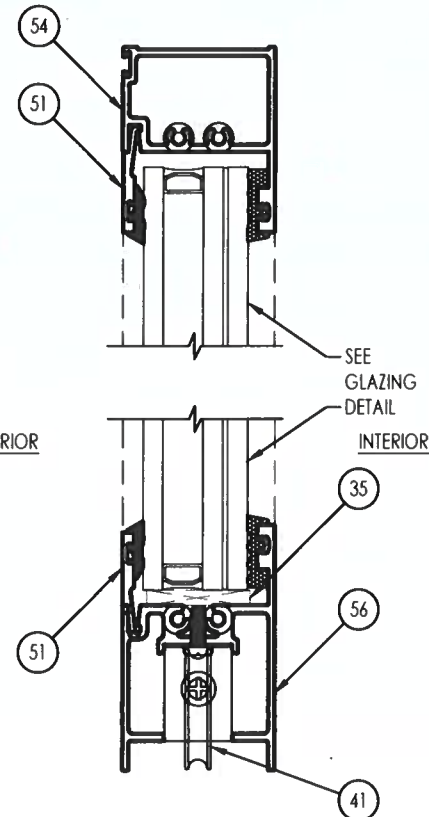
G1 GLAZING DETAIL (DRY GLAZED)
1 5/16\"/>



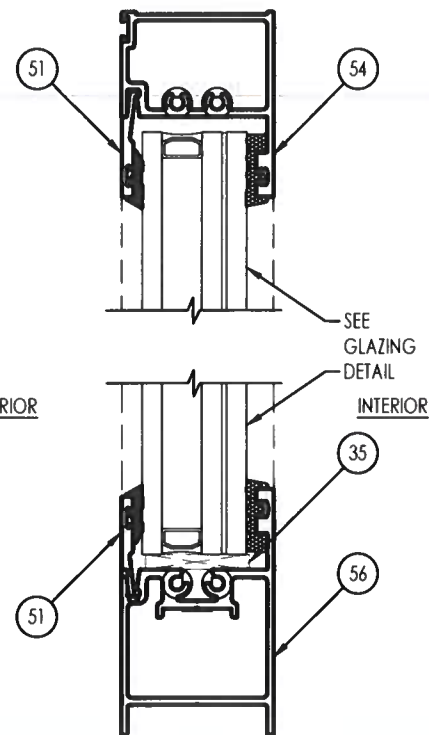
G4 GLAZING DETAIL (WET GLAZED)
1 5/16\"/>



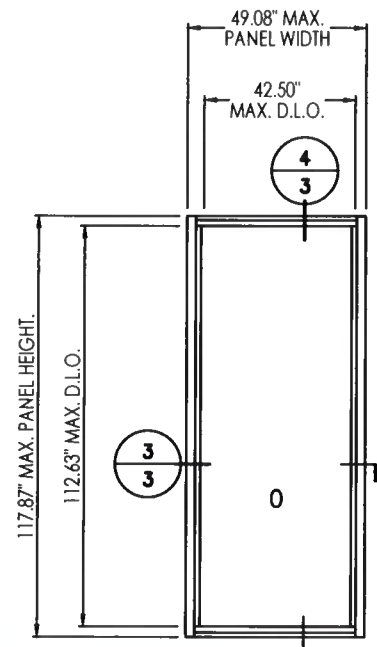
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3 HORIZONTAL CROSS SECTION



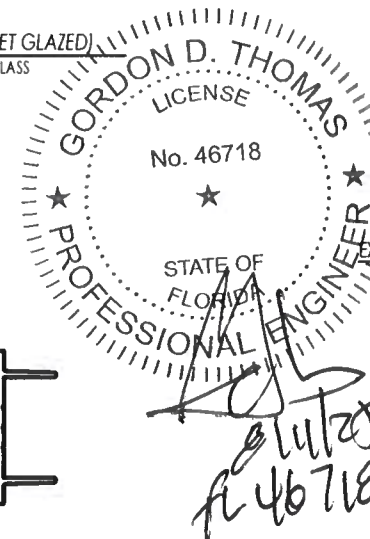
2
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION



FIXED PANEL



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PRODUCT:
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PART OR ASSEMBLY:
DOOR 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	
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1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	

DATE: 08/09/19

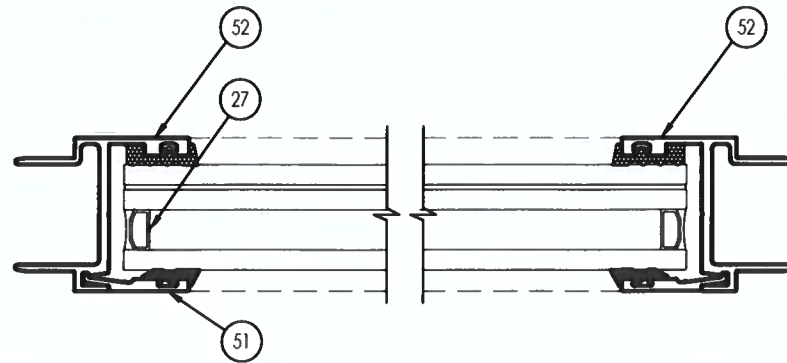
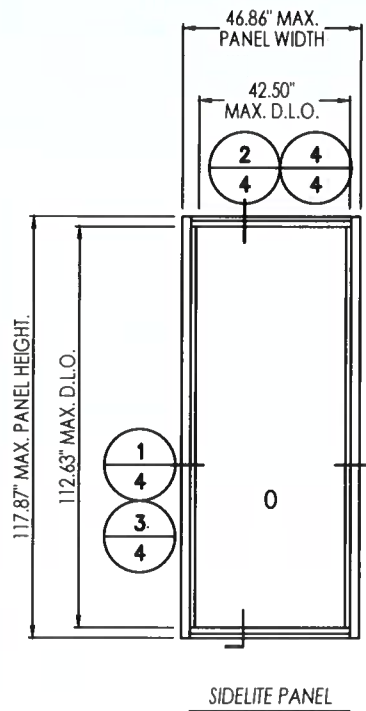
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DWG. BY: CO

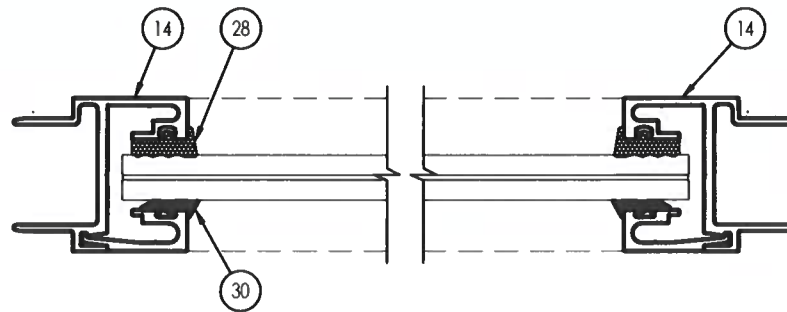
CHK BY: ECV

DRAWING NO.:
FL-15903.9

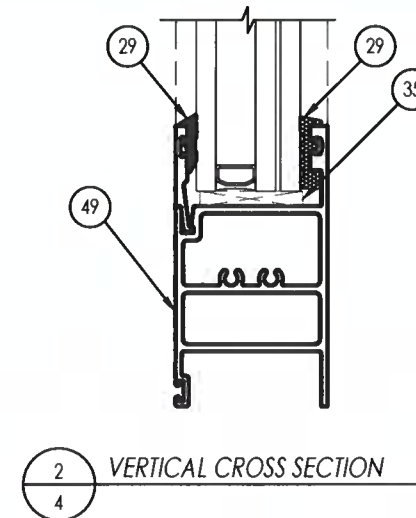
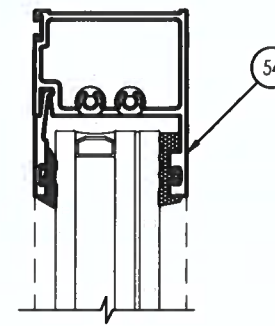
SHEET: 3 OF 11



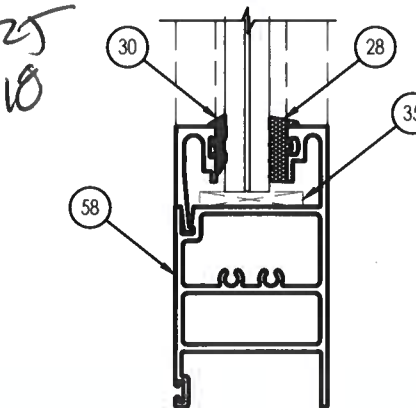
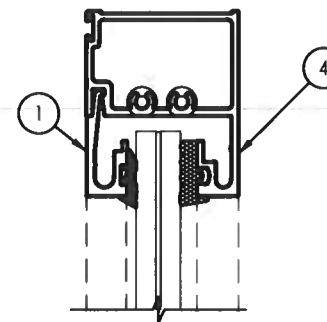
1
4 HORIZONTAL CROSS SECTION



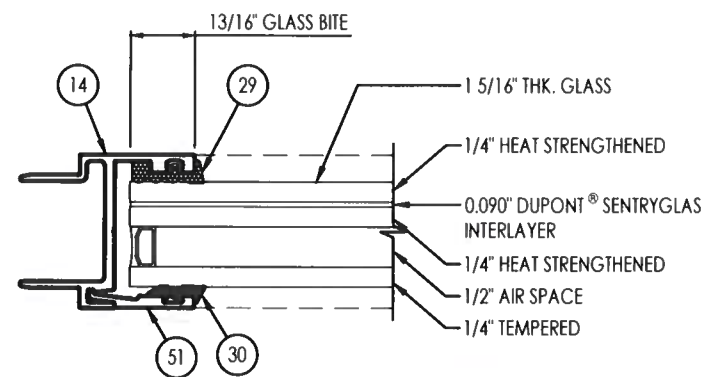
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4 HORIZONTAL CROSS SECTION



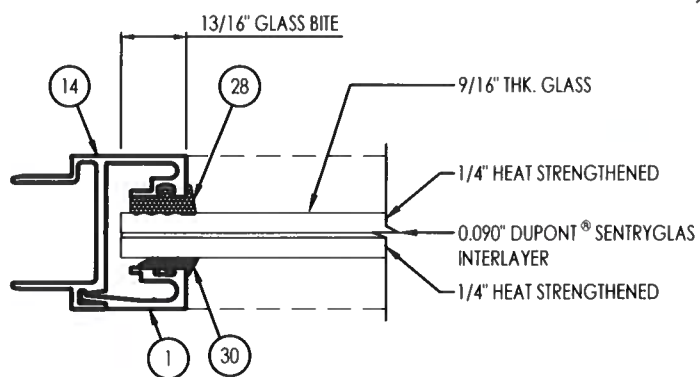
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4 VERTICAL CROSS SECTION



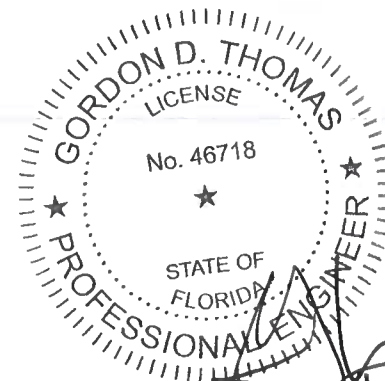
4
4 VERTICAL CROSS SECTION



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



G2 GLAZING DETAIL
MONOLITHIC
9/16" LAMINATED GLASS



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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	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

SCALE: NTS

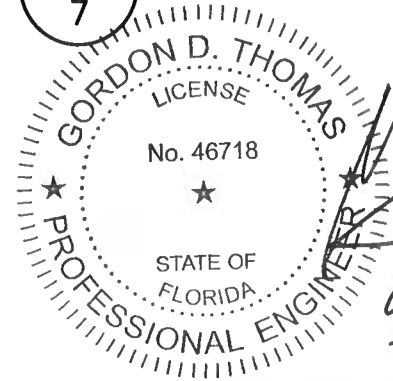
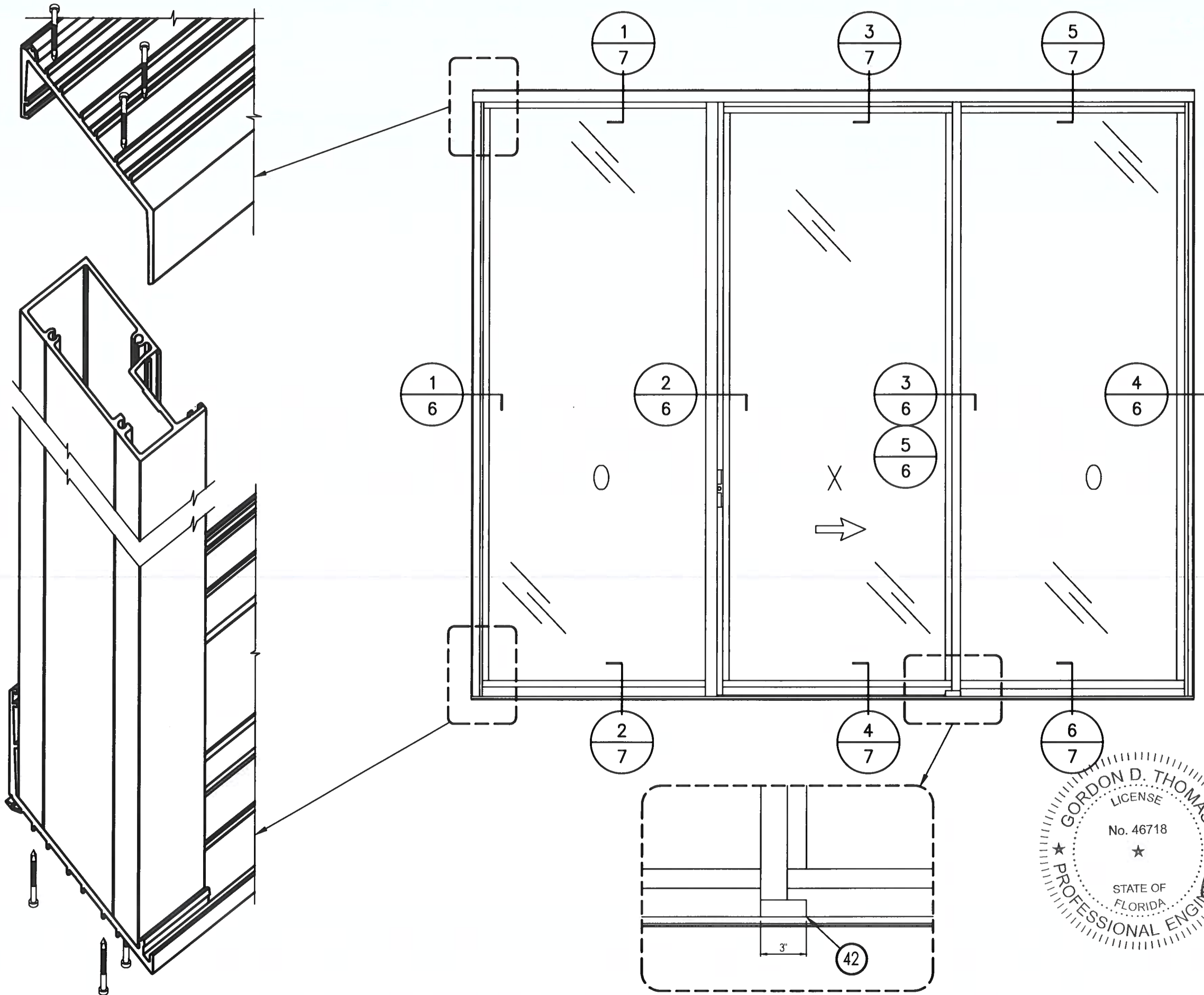
DWG. BY: CO

CHK BY: ECV

DRAWING NO.:

FL-15903.9

SHEET: 4 OF 11



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FL 46718

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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	
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

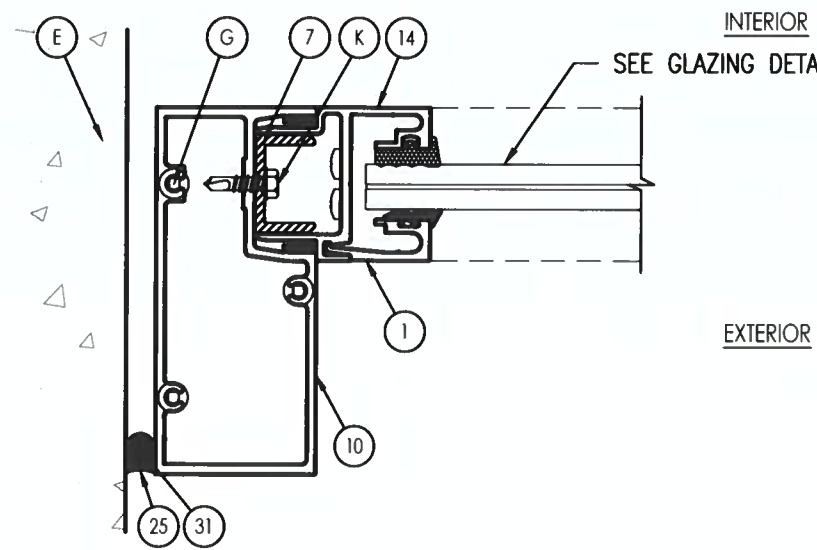
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DWG. BY: CO

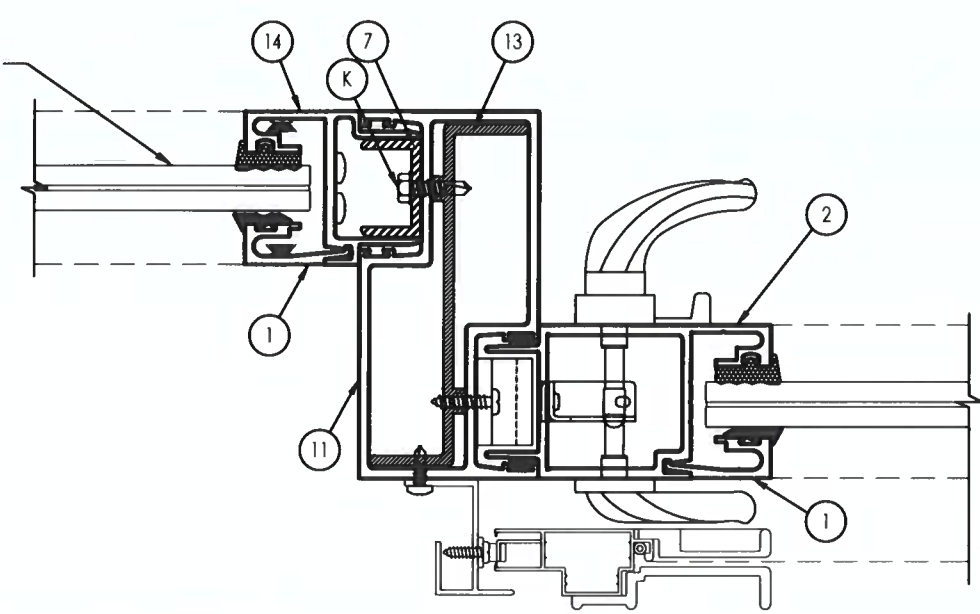
CHK BY: ECV

DRAWING NO.: FL-15903.9

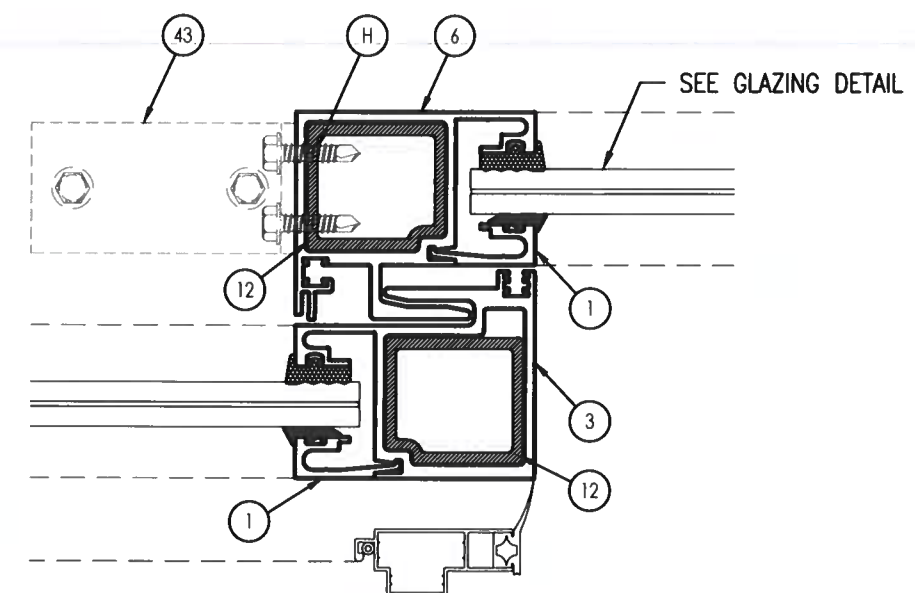
SHEET: 5 OF 11



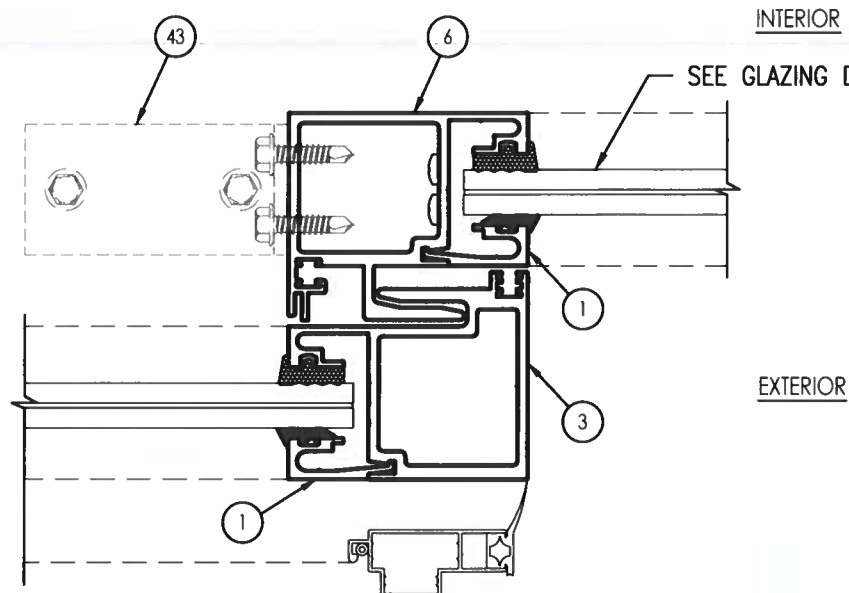
1 HORIZONTAL CROSS SECTION
6



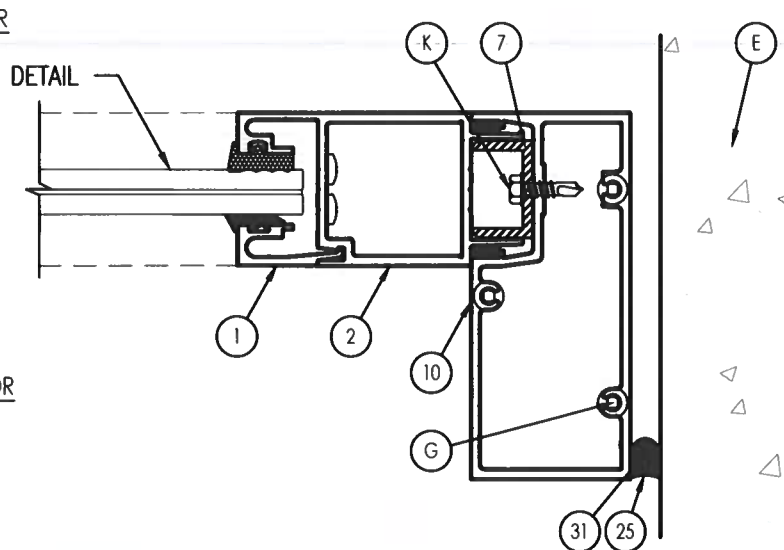
2 HORIZONTAL CROSS SECTION
6 The OXO Adaptor always requires the OXO Adaptor reinforcement



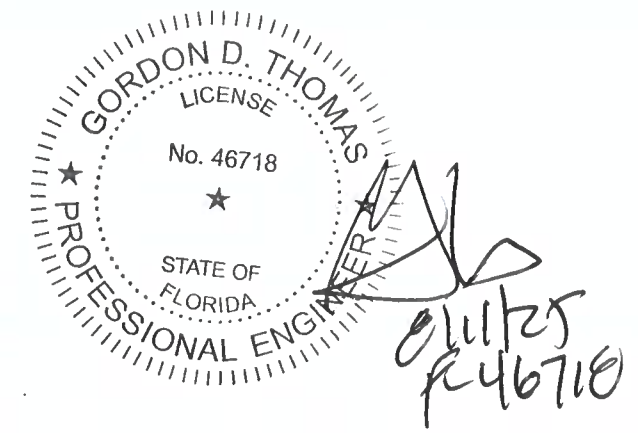
3 HORIZONTAL CROSS SECTION
6 With Reinforcement



5 HORIZONTAL CROSS SECTION
6 Without Reinforcement



4 HORIZONTAL CROSS SECTION
6



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SUN METALS

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

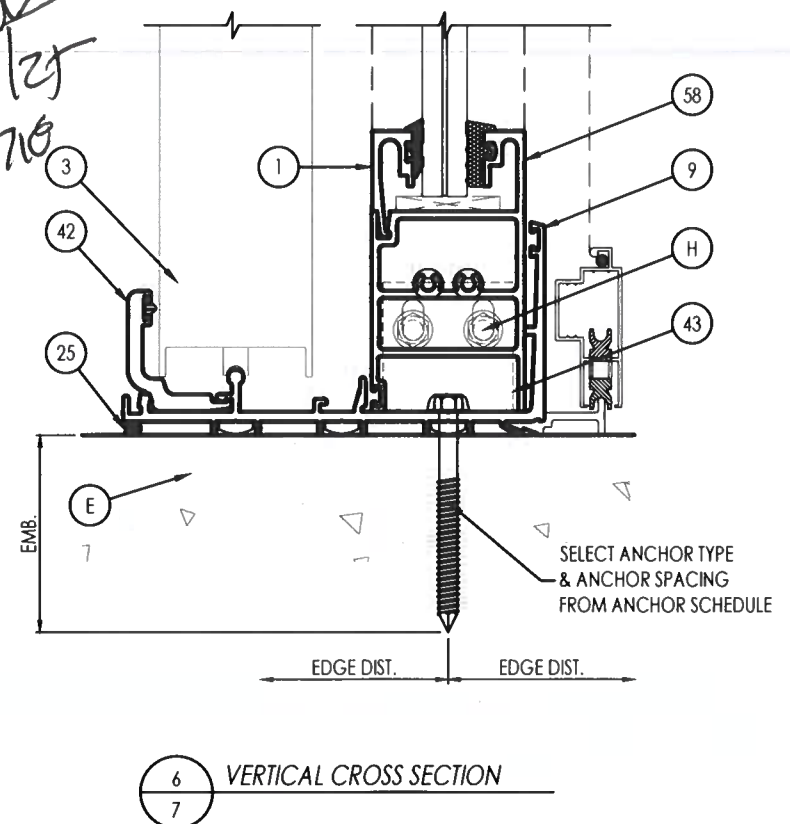
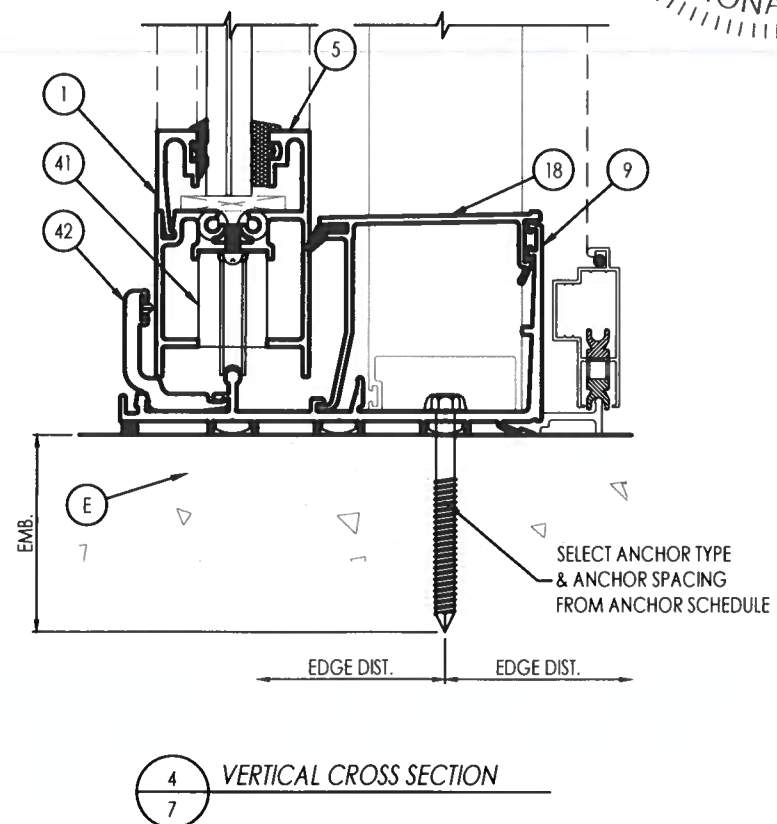
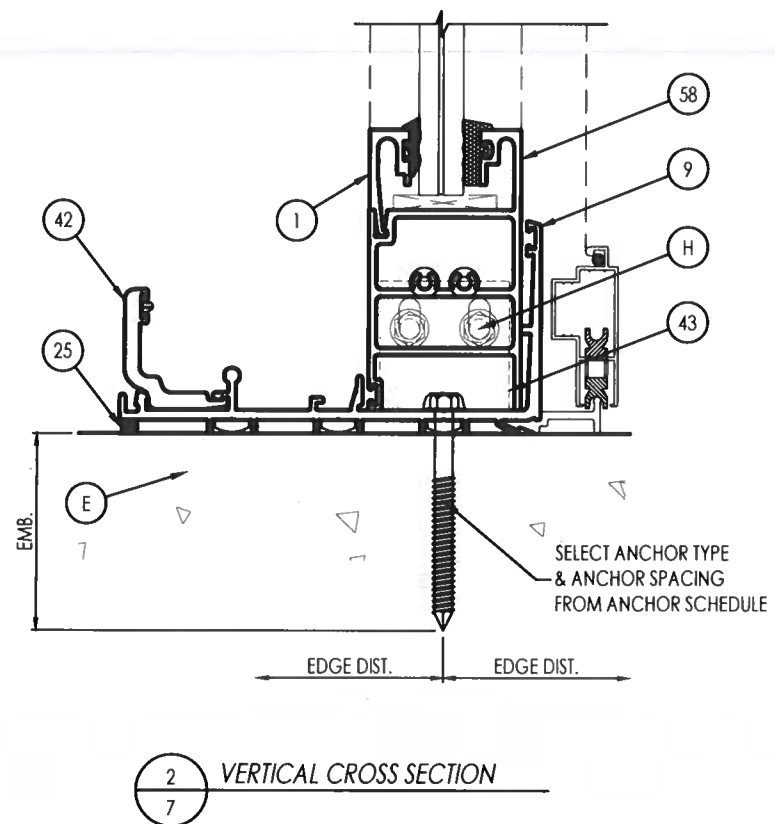
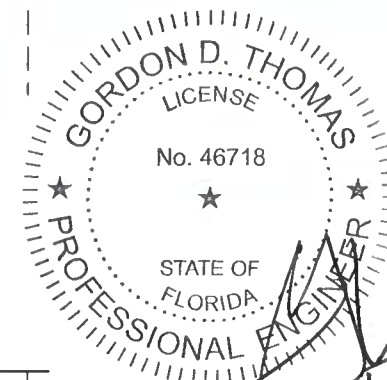
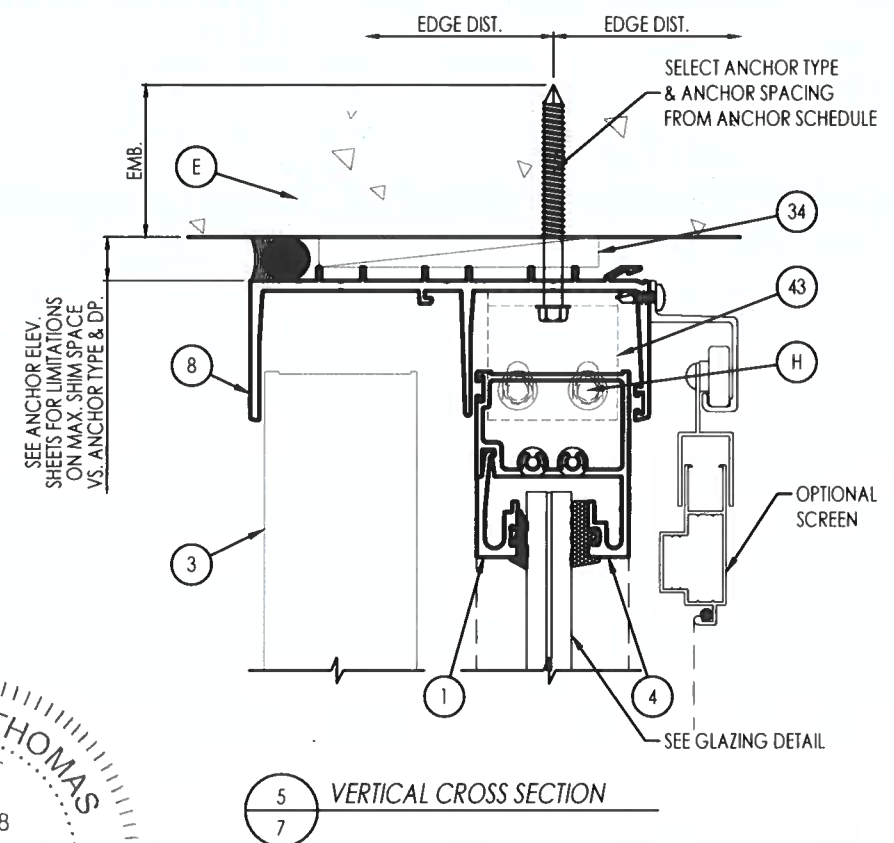
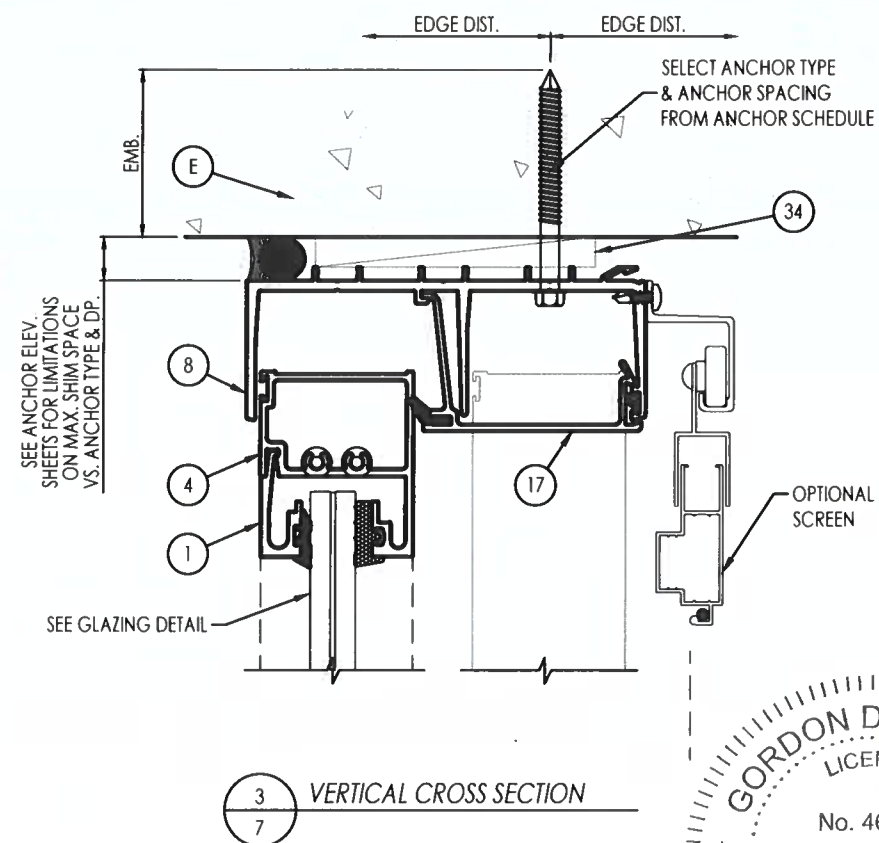
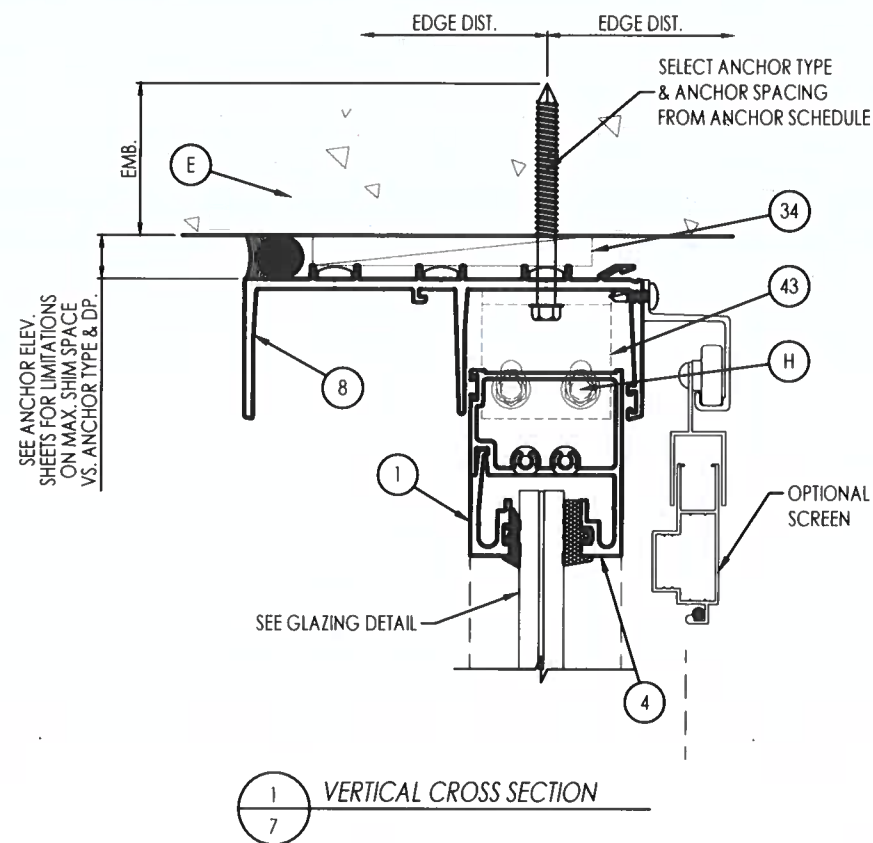
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DWG. BY: CO

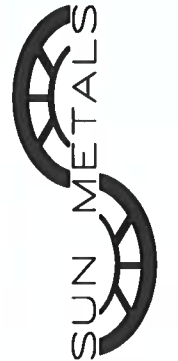
CHK BY: ECV

DRAWING NO.: FL-15903.9

SHEET: **6** OF **11**



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PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: VERTICAL 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

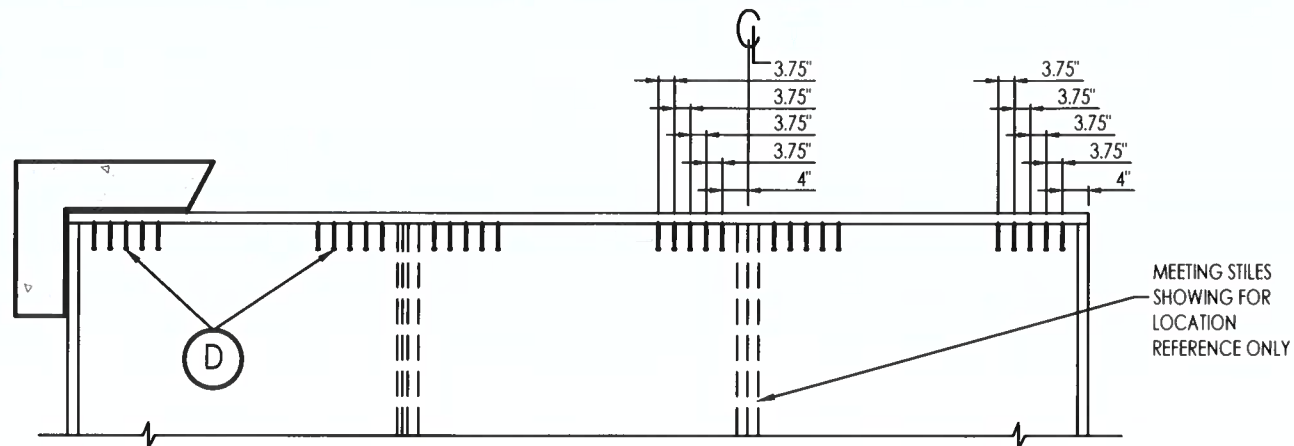
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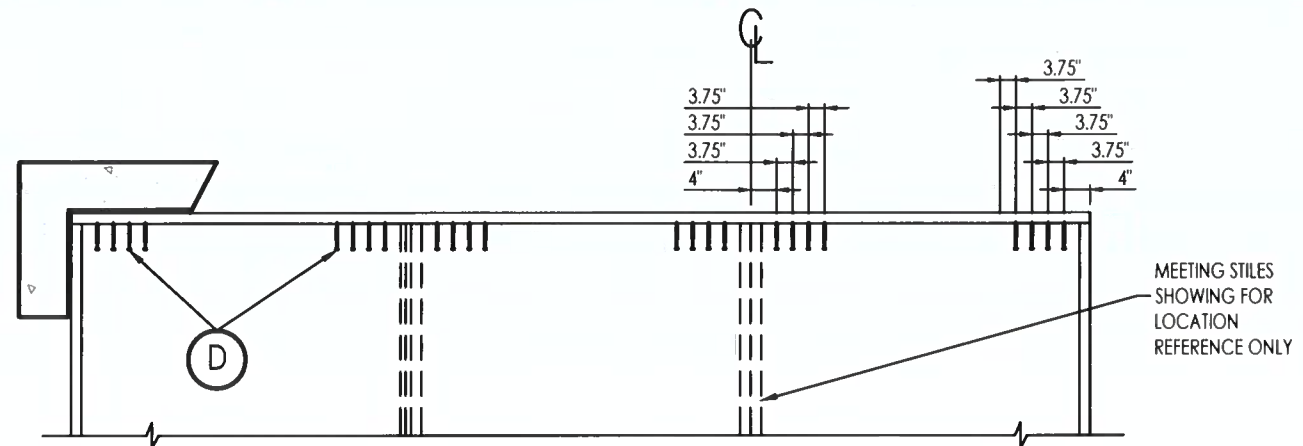
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DRAWING NO.: FL-15903.9

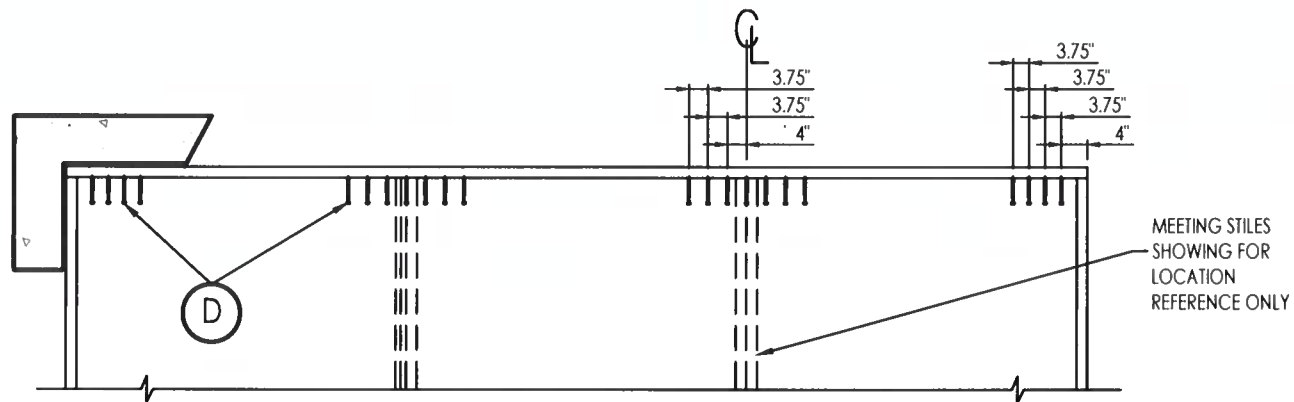
SHEET: 7 OF 11



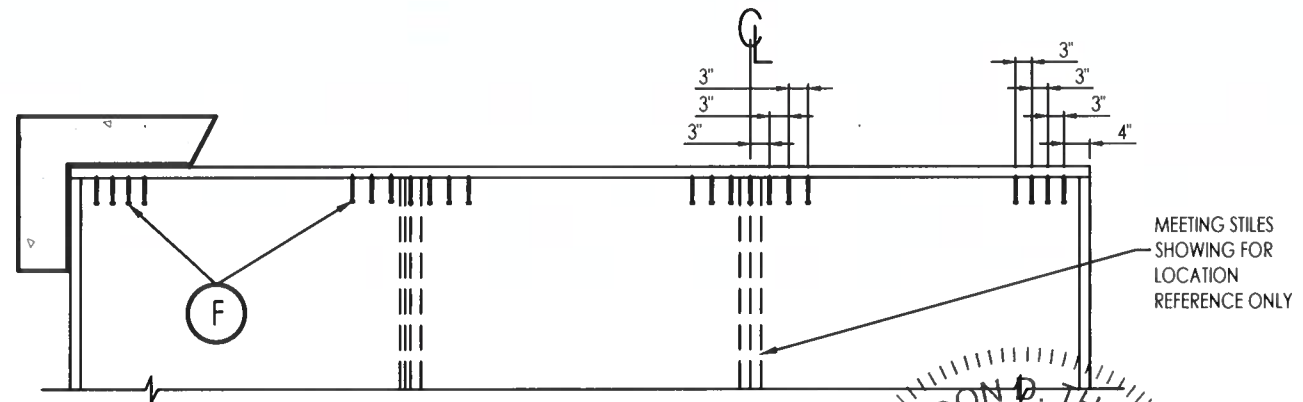
FRAME ANCHORING @ HEAD
DP <= 70 PSF
Max. shim space <= .625



FRAME ANCHORING @ HEAD
DP <= 100 PSF
Max. shim space <= .25

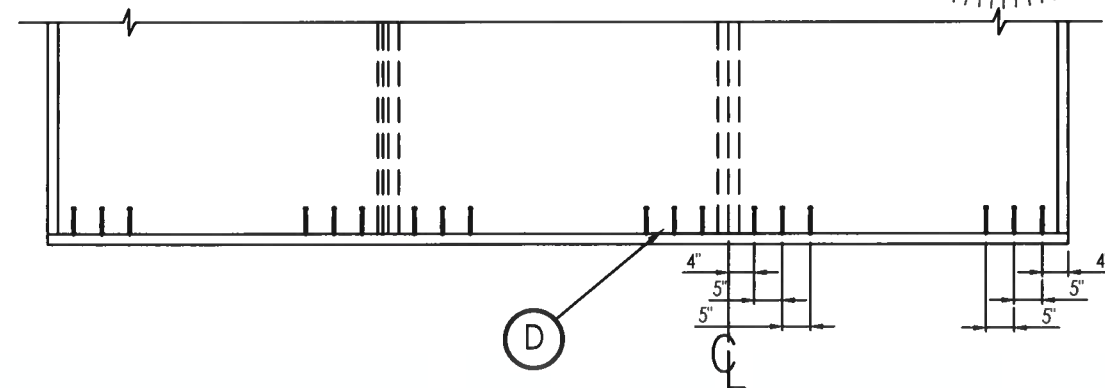


FRAME ANCHORING @ HEAD
DP <= 68 PSF
Max. shim space <= .41

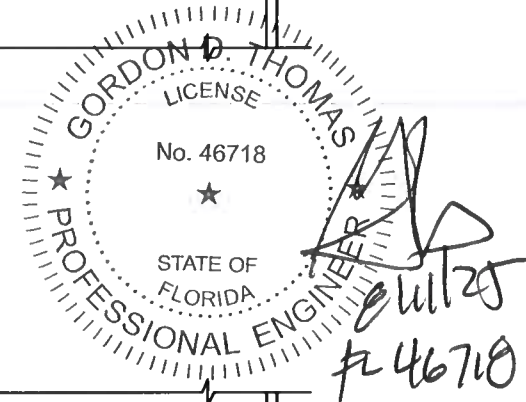


FRAME ANCHORING @ HEAD
DP <= 100 PSF
Max. shim space <= .625

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 <= 100 PSF
Max. shim space <= .17



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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

DATE: 08/09/19

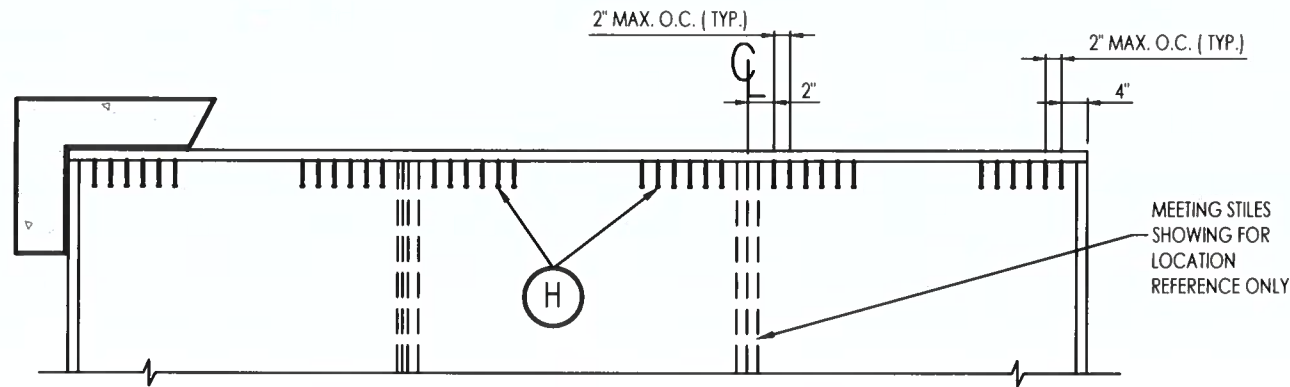
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DWG. BY: CO

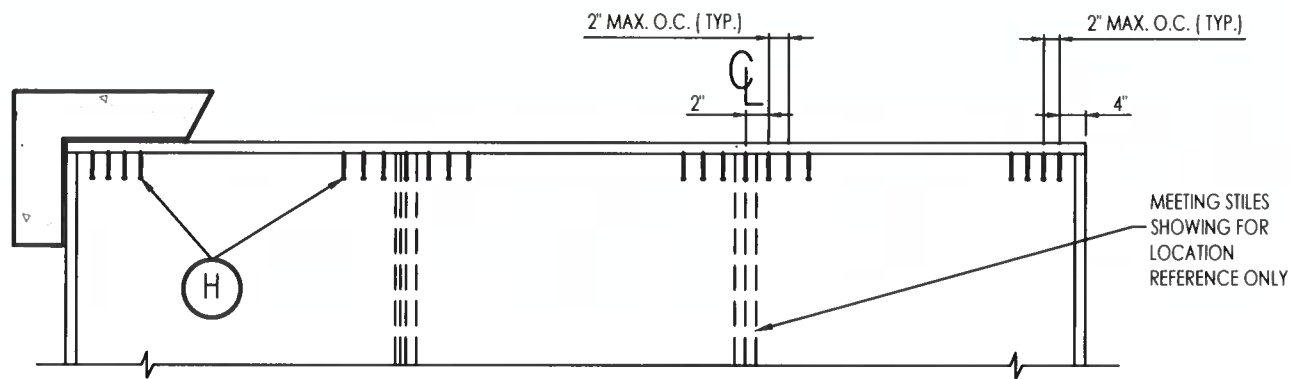
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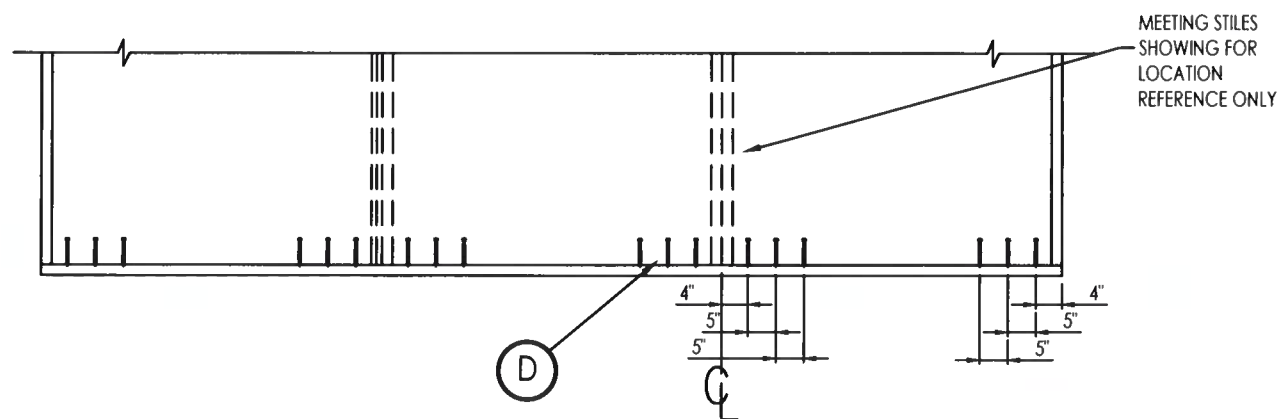
SHEET: 8 OF 11



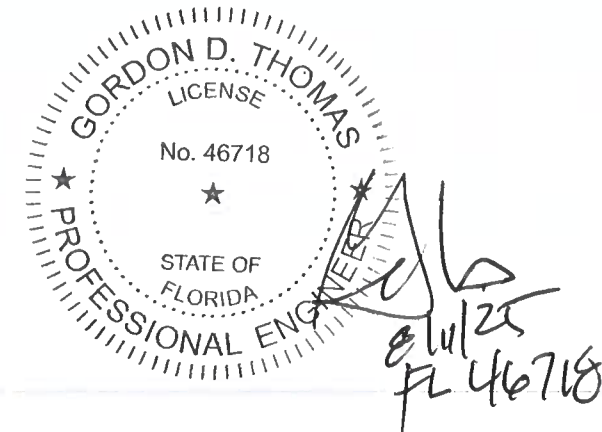
FRAME ANCHORING @ HEAD
Steel substrate
DP <= 100 PSF
Max. shim space <= .625



FRAME ANCHORING @ HEAD
Steel substrate
DP <= 78 PSF
Max. shim space <= .625



FRAME ANCHORING @ SILL
Concrete substrate
DP <= 100 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.
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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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
ANCHORING
STEEL 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
NO	DATE	DESCRIPTION	BY

DATE: 08/09/19

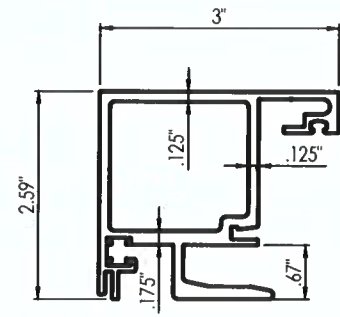
SCALE: NTS

DWG. BY: CO

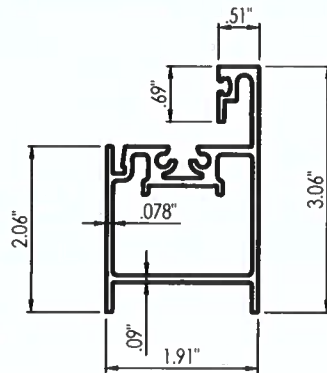
CHK BY: ECV

DRAWING NO.:
FL-15903.9

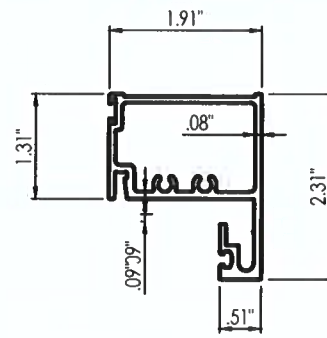
SHEET: 9 OF 11



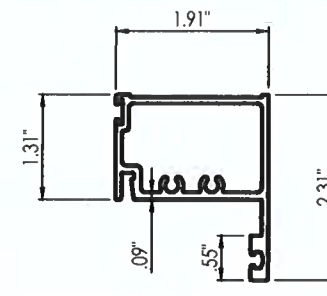
6 INTERLOCK STILE - FIXED PANEL
9/16\"/>



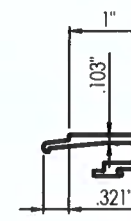
5 BOTTOM RAIL - MOVING PANEL
9/16\"/>



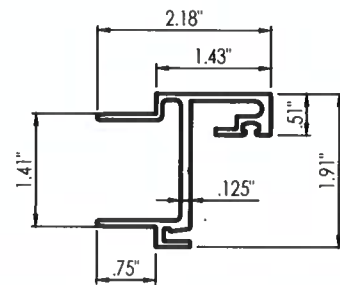
4 TOP RAIL
9/16\"/>



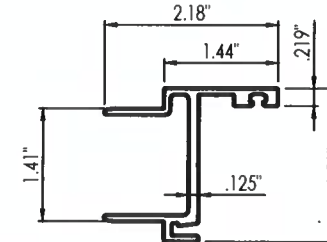
54 I.G. TOP RAIL
1-5/16\"/>



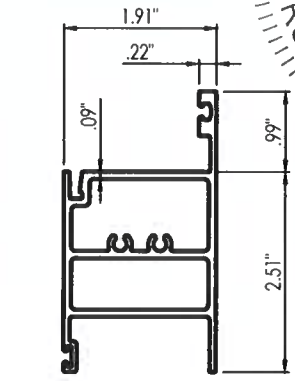
1 GLAZING BEAD
9/16\"/>



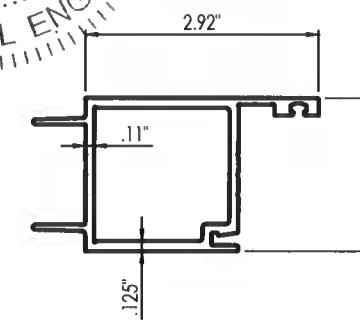
14 FIXED PANEL STILE
9/16\"/>



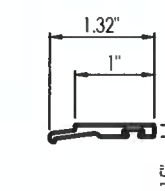
52 I.G. FIXED PANEL STILE
1-5/16\"/>



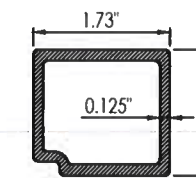
49 I.G. BOTTOM RAIL - FIXED PANEL
1-5/16\"/>



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



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



12 REINFORCEMENT



29 PRE-SET GASKET



30 WEDGE GASKET



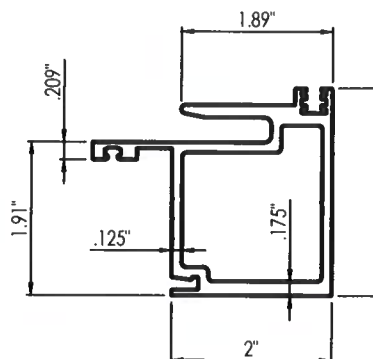
28 PRE-SET GASKET



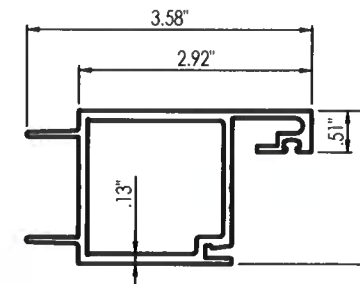
59 FOAM CAULK STOP



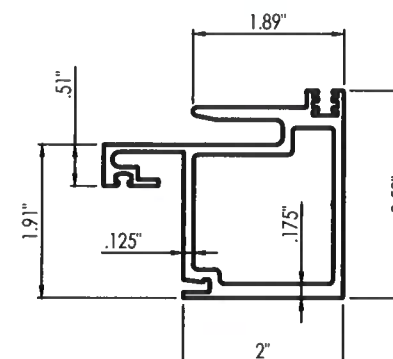
61 WEDGE



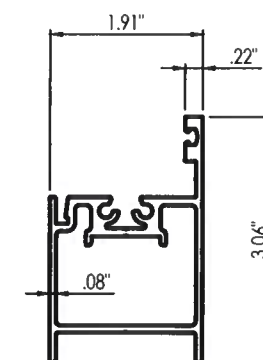
53 I.G. INTERLOCK STILE - MOVING PANEL
1-5/16\"/>



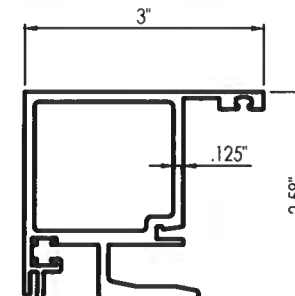
2 LEAD STILE
9/16\"/>



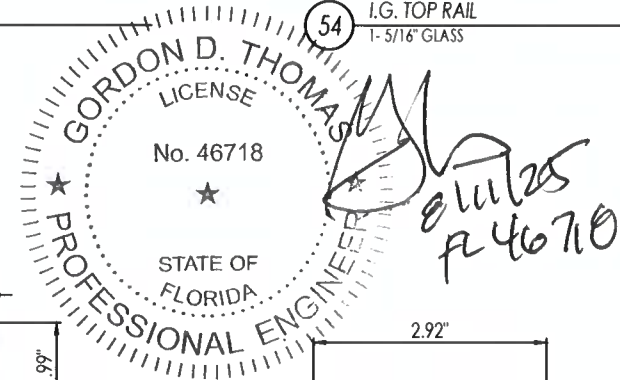
3 INTERLOCK STILE - MOVING PANEL
9/16\"/>



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



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





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
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	JOB
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC ECV	JOB
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	JOB
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	JOB

DATE: 08/09/19

SCALE: NTS

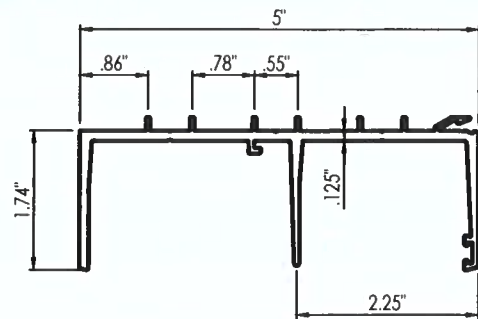
DWG. BY: CO

CHK BY: ECV

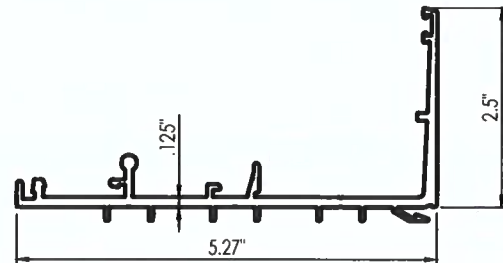
DRAWING NO.: FL-15903.9

SHEET: 10 OF 11

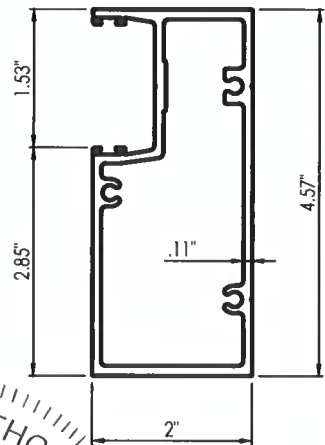
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	5/16" x 2-3/4" HWH ITW TAPCON XL CONCRETE ANCHOR	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/8" x 2-1/2" ITW DYNABOLT SLEEVE ANCHOR	STEEL
G	#10 x 1-1/2" SQ-PH ASSEMBLY SCREW	STL. 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
11	OXO ADAPTOR 6005-T5	ALUM
12	REINFORCEMENT 6005-T5	ALUM
13	OXO REINFORCEMENT 6005-T5	ALUM
14	FIXED PANEL STILE 6063-T6 (9/16")	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" STRUCTURAL 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	ALUM
52	I.G. FIXED PANEL STILE 6063-T6 *1-5/16")	ALUM
53	I.G. INTERLOCK STILE - MOVING PANEL 6063-T6	ALUM
54	I.G. TOP RAIL 6063-T6	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
59	CAULK STOP, EPDM CLOSED CELL FOAM (9/16" STRUCTURAL GLAZING) (TREMCO)	EPDM
60	STRUCTURAL SILICONE DOW 995	SILICONE
61	WEDGE, 70±5 EPDM (9/16" GLAZING) (TREMCO)	EPDM



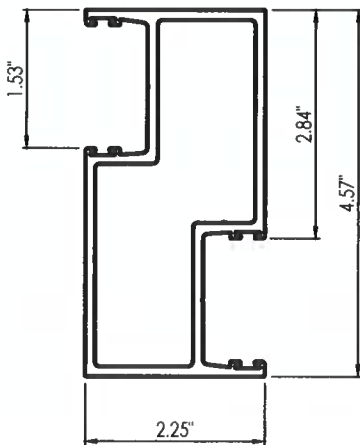
8 FRAME HEAD



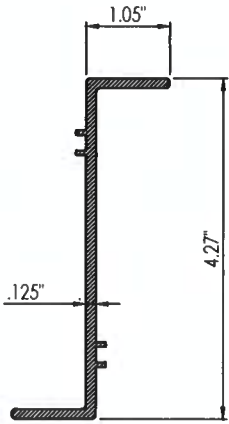
9 FRAME SILL



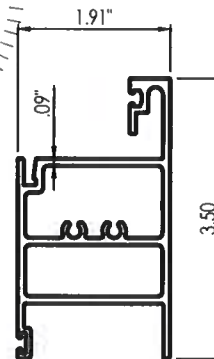
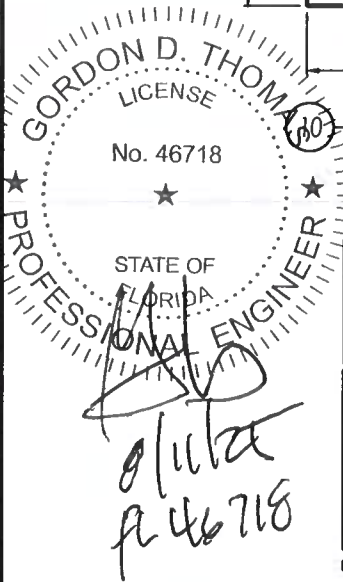
10 FRAME JAMB



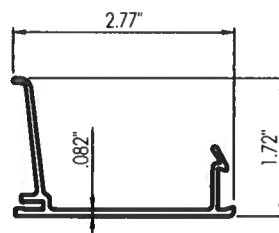
11 OXO ADAPTOR



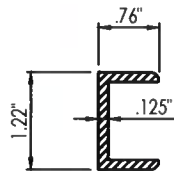
13 OXO REINFORCEMENT



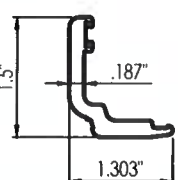
58 BOTTOM RAIL - FIXED PANEL
9/16" GLASS



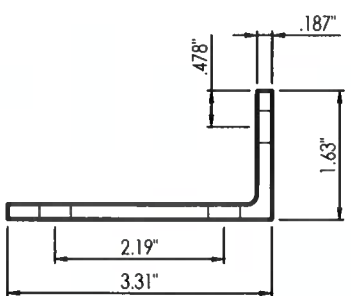
17 FRAME HEAD POCKET COVER



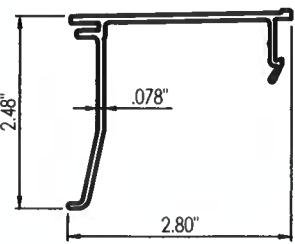
7 FIXED PANEL RETAINING CLIP



42 REACTION CLIP



43 TOE ANCHOR



18 FRAME SILL POCKET COVER

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
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JOB	
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-15903.9

SHEET: 11 OF 11