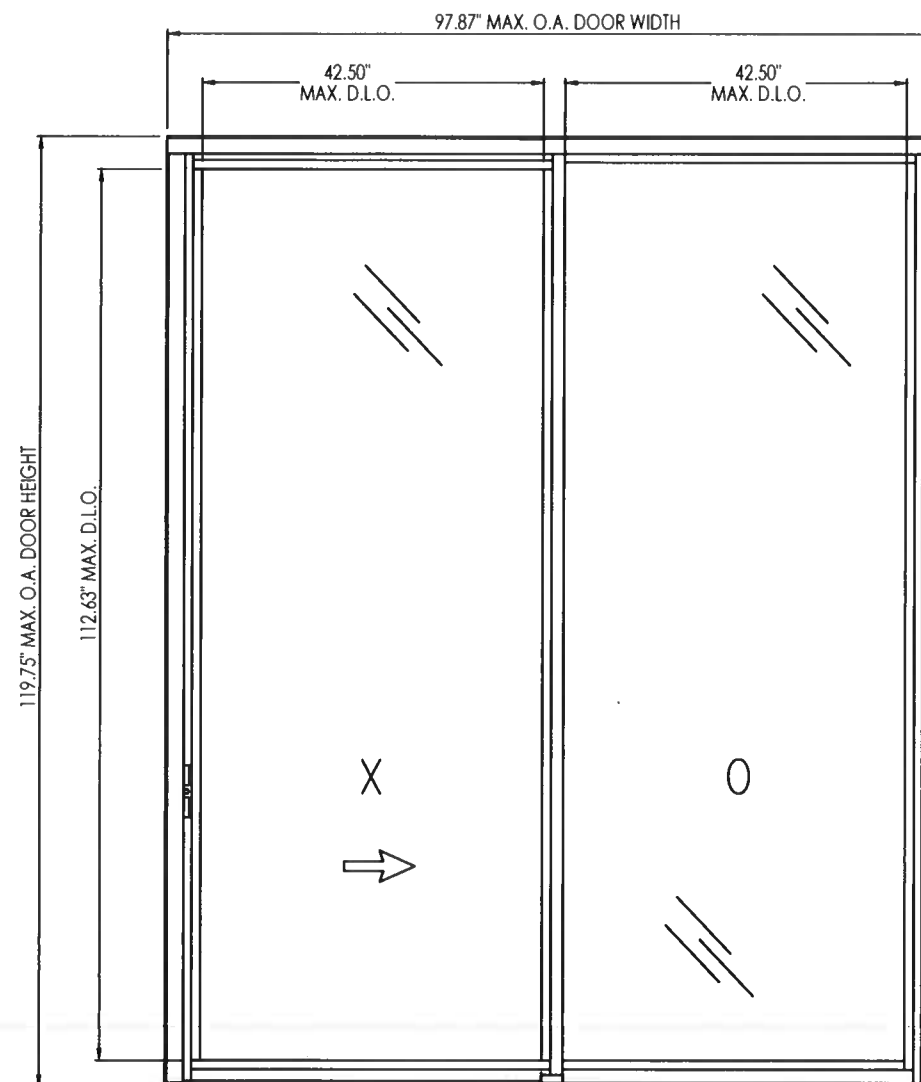
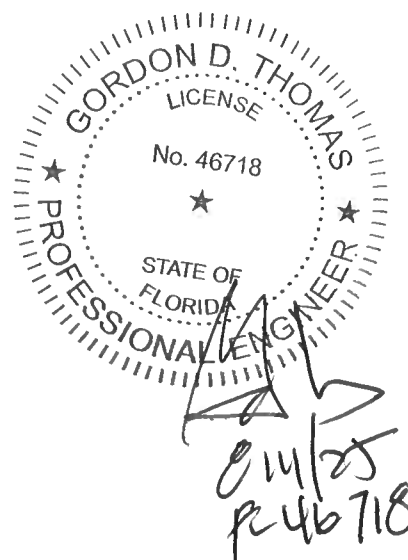




1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL SECTIONS
3	DOOR PANEL SECTIONS
4	CORNER DETAILS
5	HORIZONTAL CROSS SECTIONS
6	VERTICAL CROSS SECTIONS
7	ANCHORING - CONCRETE SUBSTRATE
8	ANCHORING - STEEL SUBSTRATE
9	COMPONENTS
10	BILL OF MATERIALS & COMPONENTS



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

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FAX: (813) 886-0666



PRODUCT:
SLIDING GLASS DOOR

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

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

DATE: 08/09/19

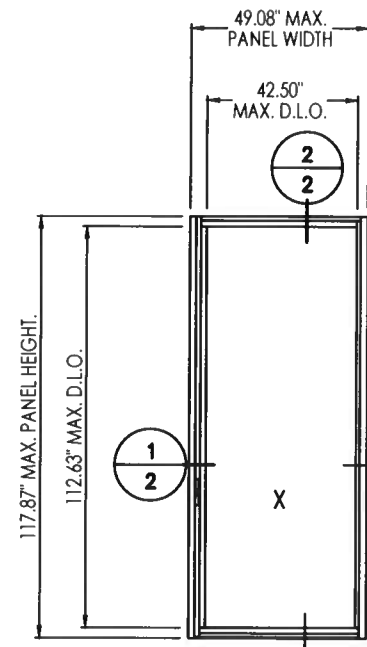
SCALE: NTS

DWG. BY: CO

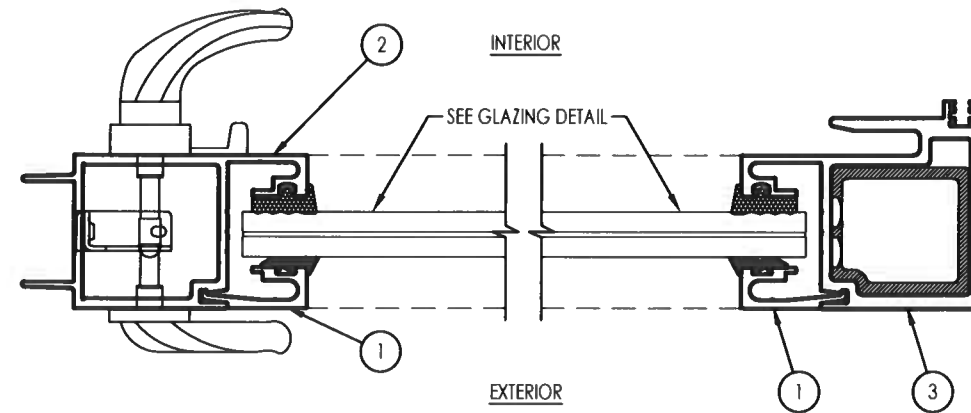
CHK BY: ECV

DRAWING NO.:
FL-15903.8

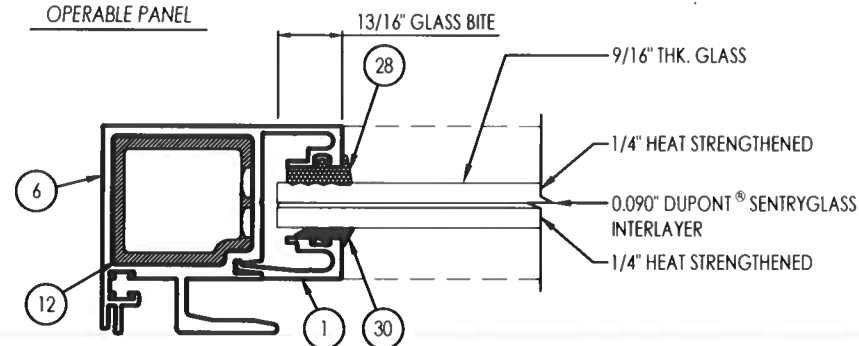
SHEET: **1** OF **10**



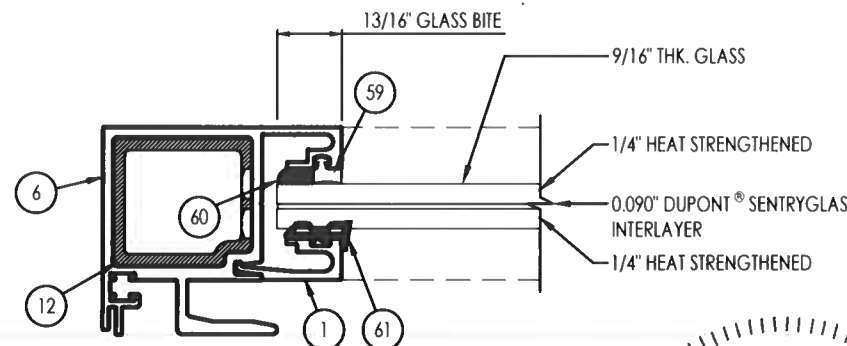
OPERABLE PANEL



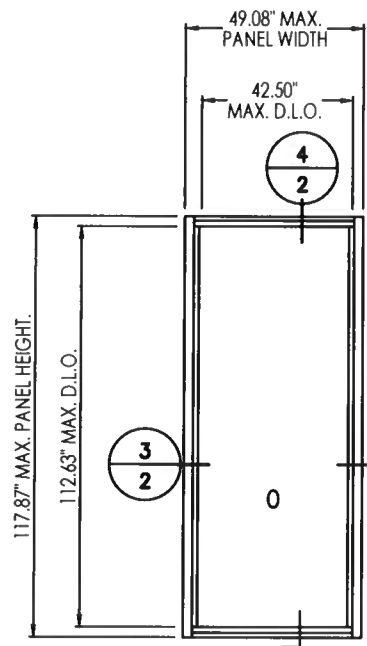
1
2 HORIZONTAL CROSS SECTION



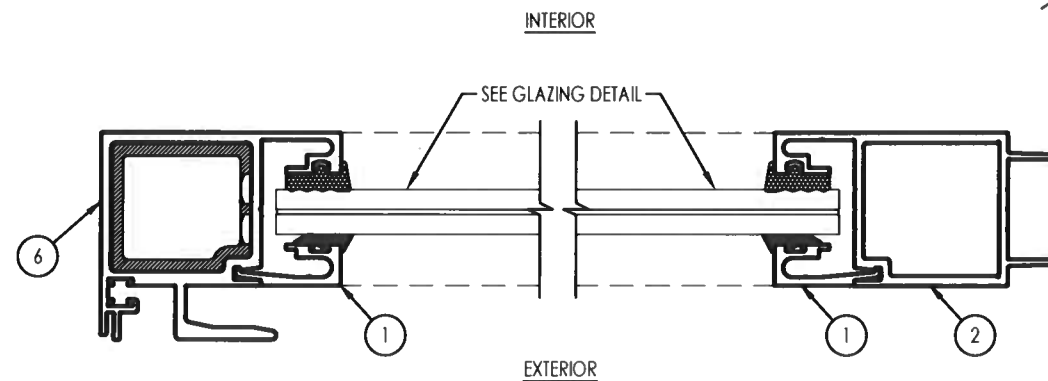
G2 GLAZING DETAIL (DRY GLAZED)
MONOLITHIC
9/16\"/>



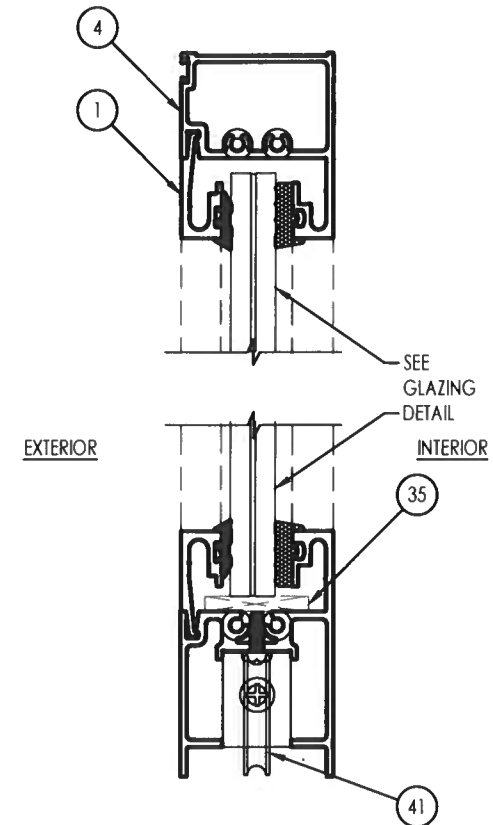
G3 GLAZING DETAIL (WET GLAZED)
MONOLITHIC
9/16\"/>



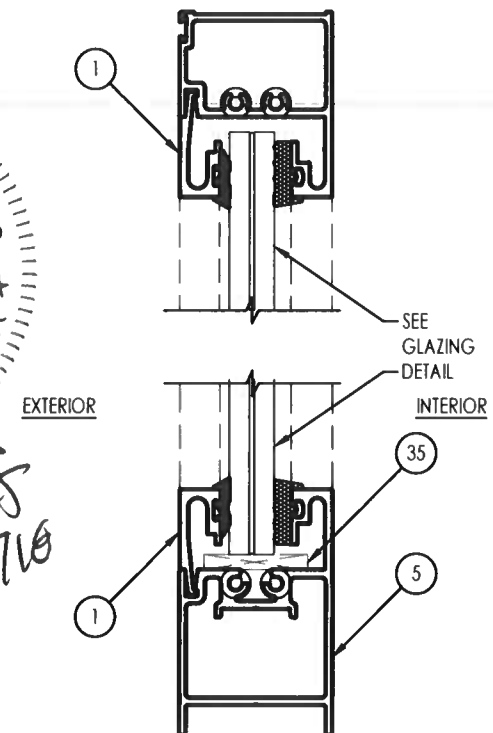
FIXED PANEL



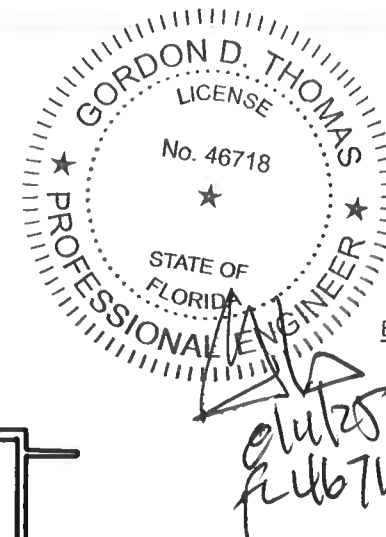
3
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION



4
2 VERTICAL CROSS SECTION



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PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

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

DATE: 08/09/19

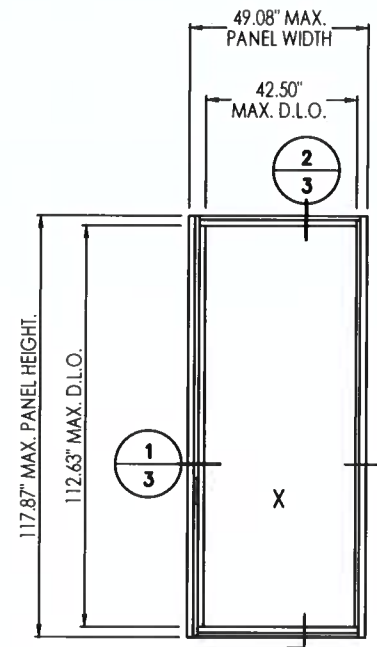
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DWG. BY: CO

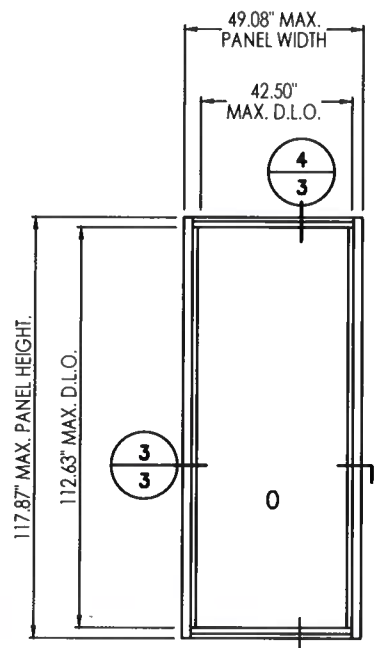
CHK BY: ECV

DRAWING NO.:
FL-15903.8

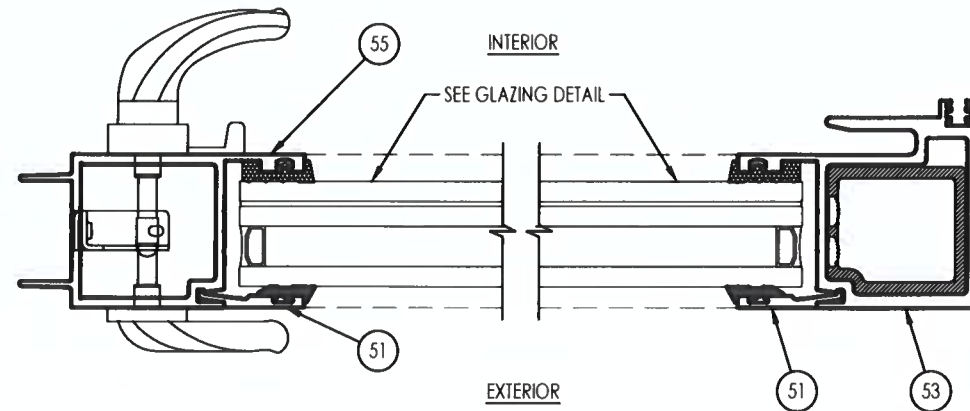
SHEET: 2 OF 10



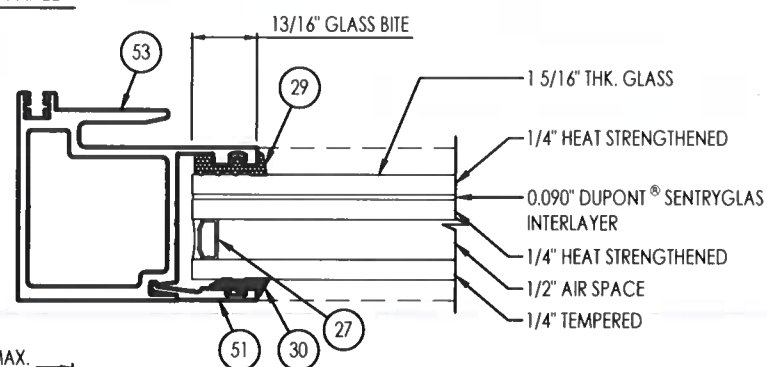
OPERABLE PANEL



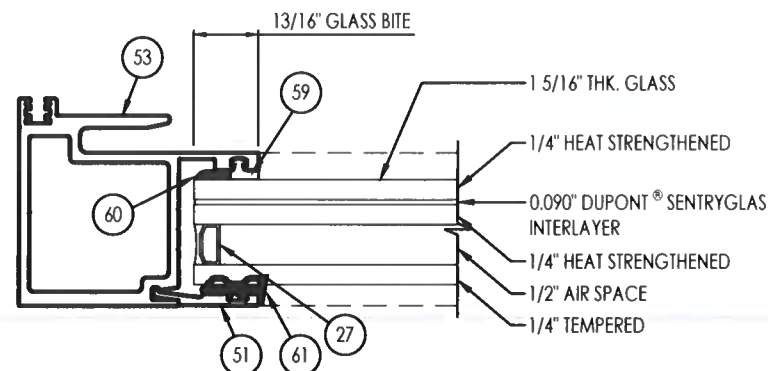
FIXED PANEL



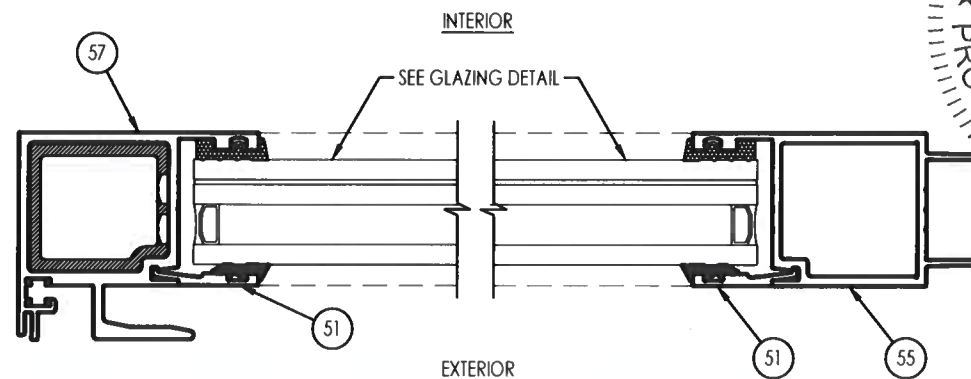
1
3 HORIZONTAL CROSS SECTION



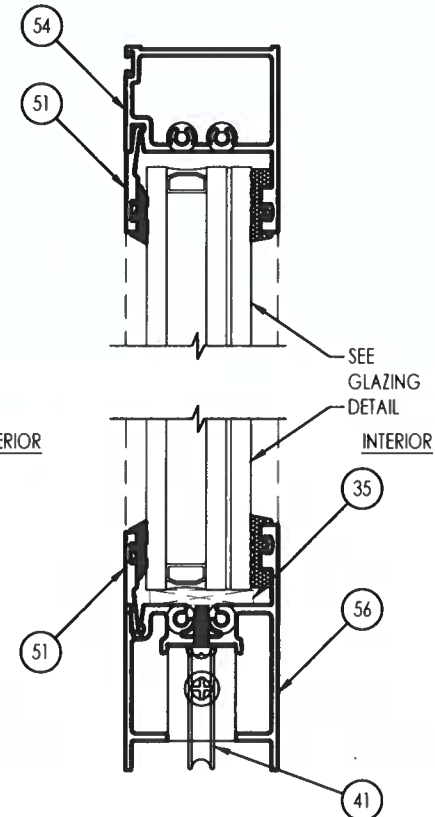
G1 GLAZING DETAIL (DRY GLAZED)
1 5/16" LAMINATED I.G. GLASS



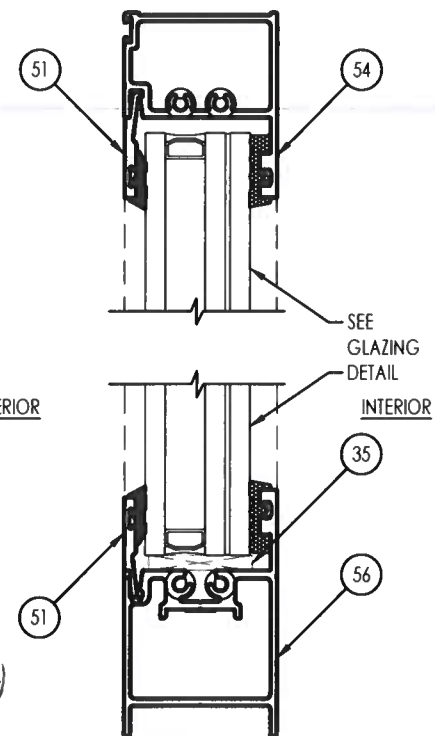
G4 GLAZING DETAIL (WET GLAZED)
1 5/16" LAMINATED I.G. GLASS



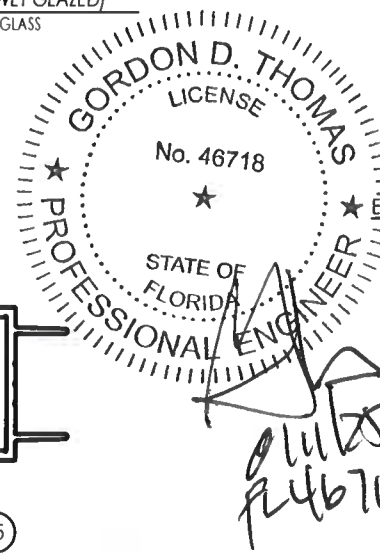
3
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION



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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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

DATE: 08/09/19

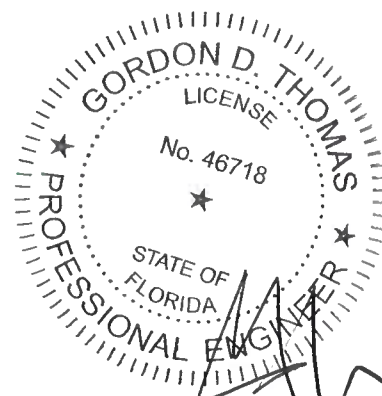
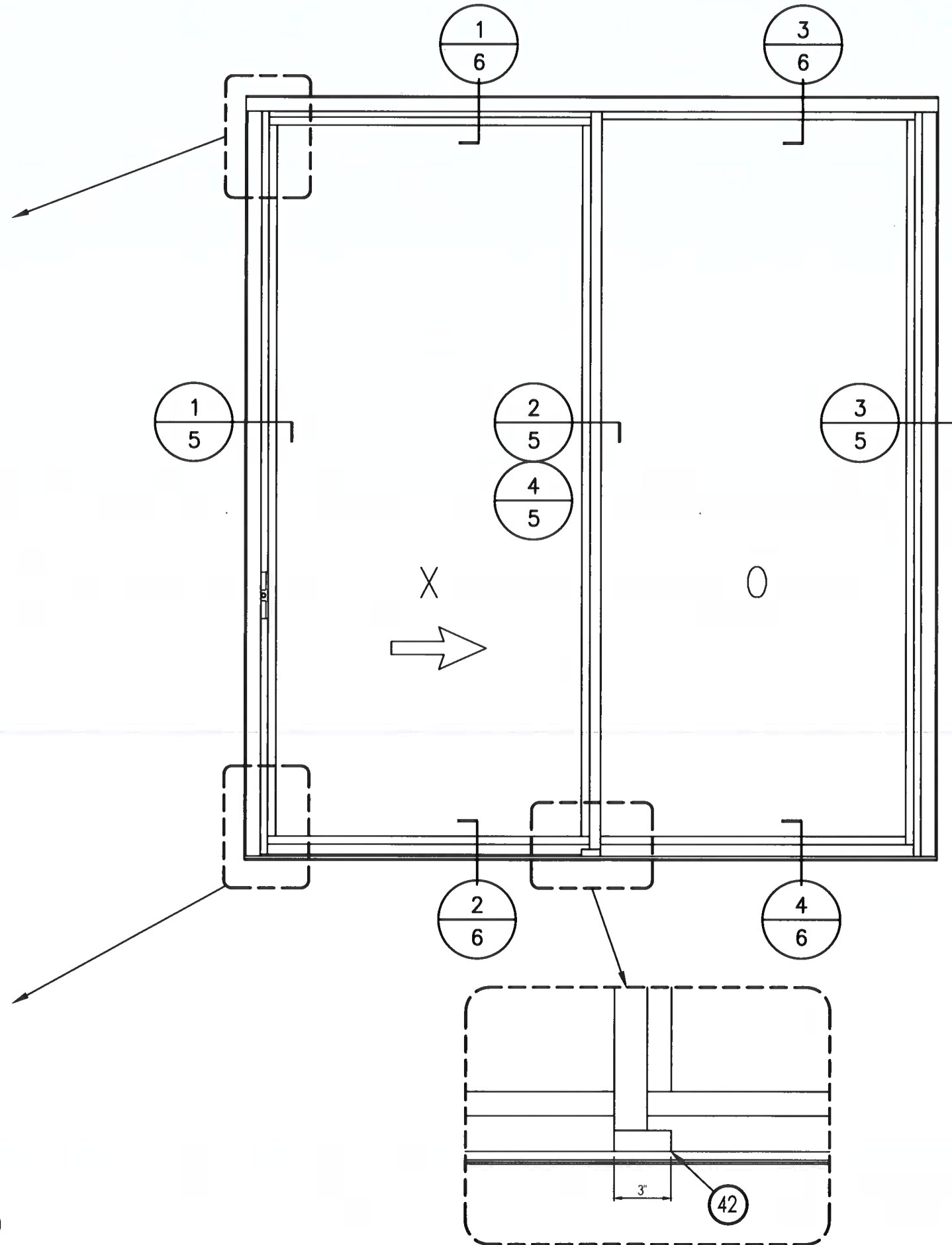
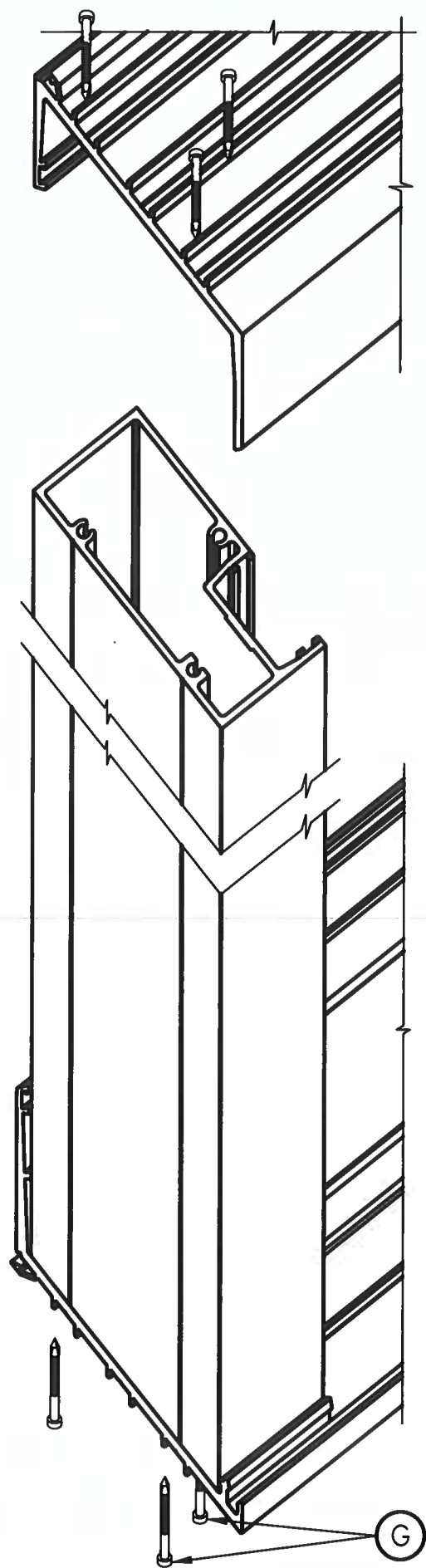
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DWG. BY: CO

CHK BY: ECV

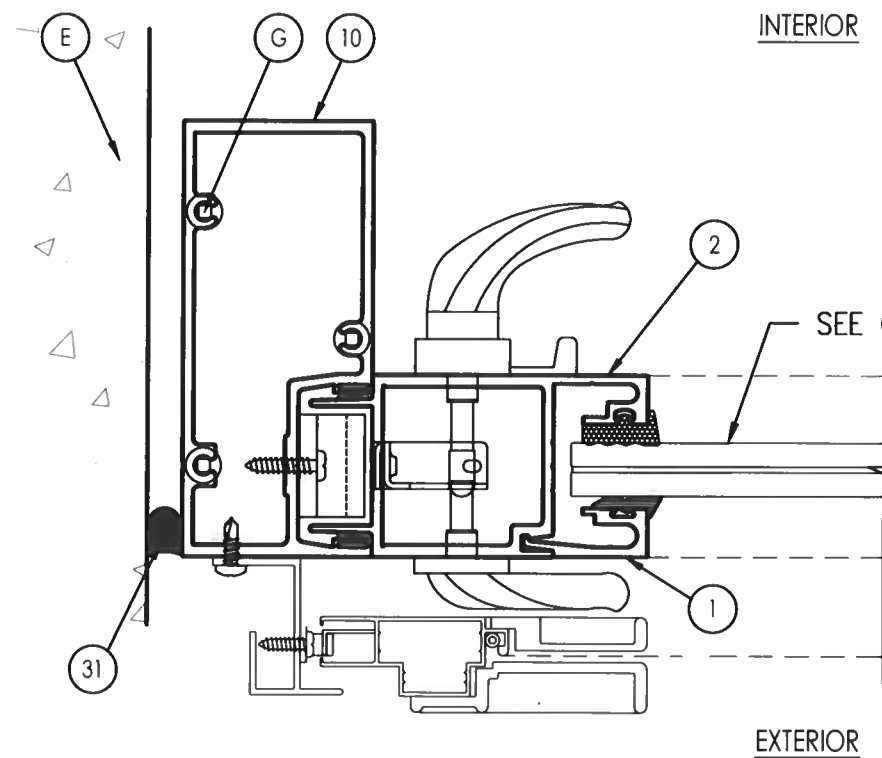
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FL-15903.8

SHEET: 3 OF 10

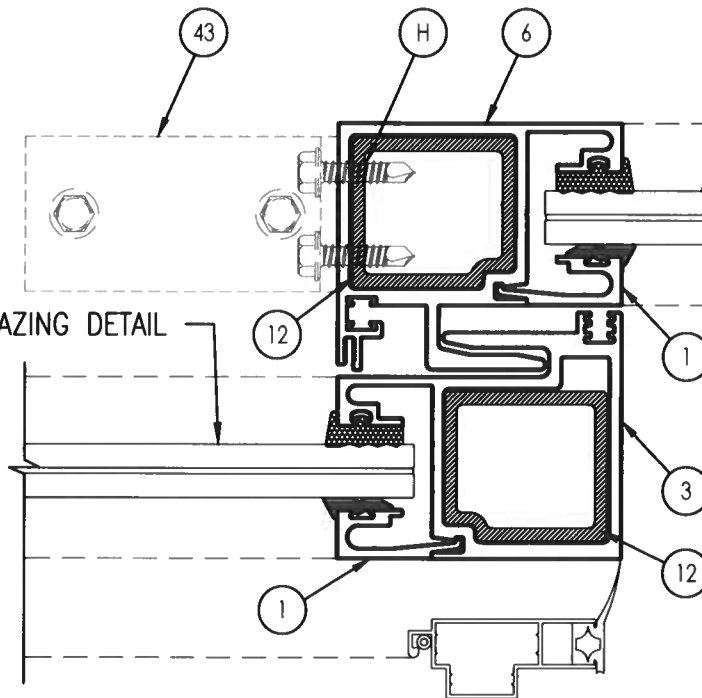


Signature
 08/25
 FL 46718

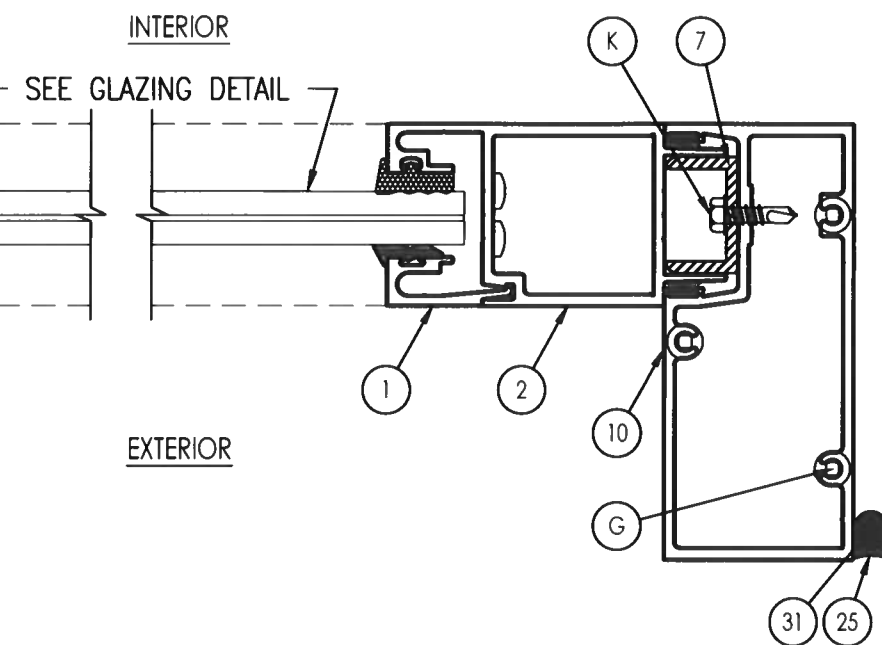
5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666			
PRODUCT: SLIDING GLASS DOOR		PART OR ASSEMBLY: CORNER DETAILS	
NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	JOE
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC ECV	JOE
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	JOE
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	JOE
DATE: 08/09/19 SCALE: NTS DWG. BY: CO CHK BY: ECV DRAWING NO.: FL-15903.8 SHEET: 4 OF 10			



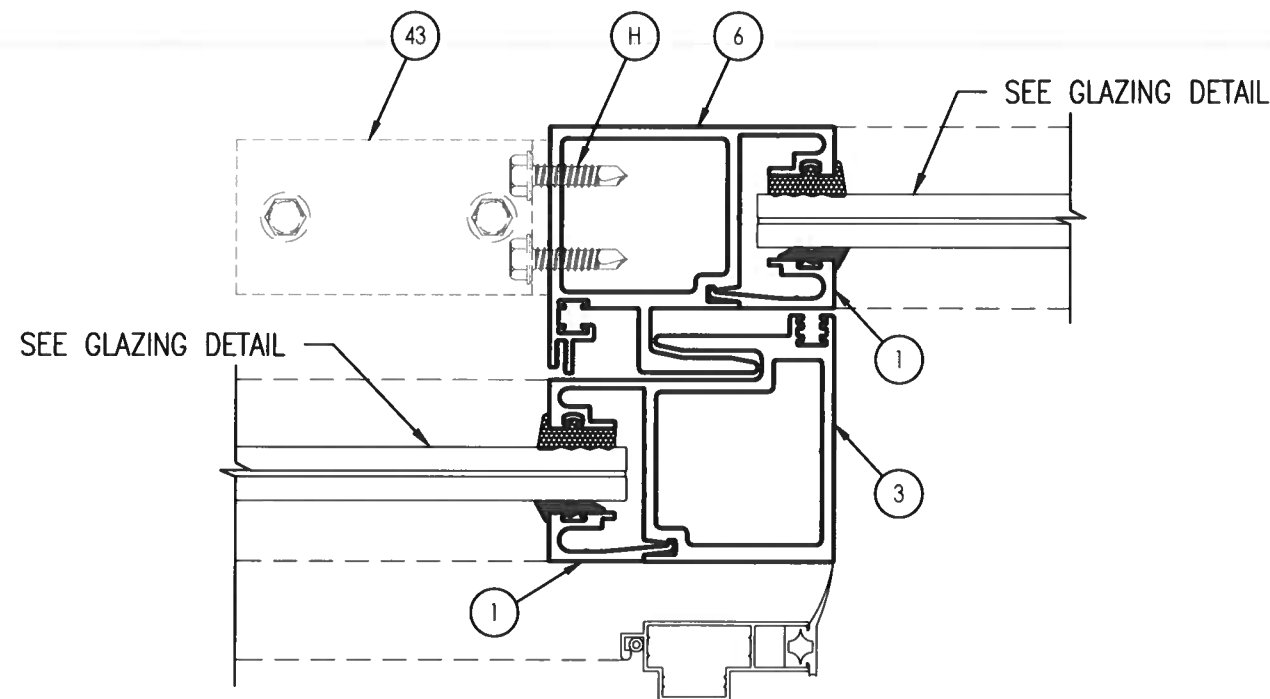
1 HORIZONTAL CROSS SECTION
5



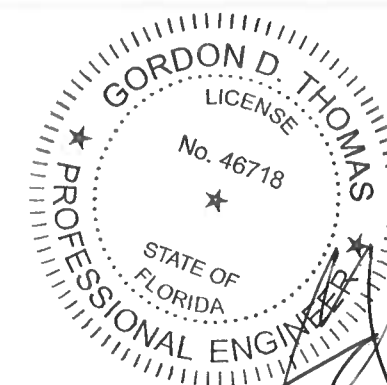
2 HORIZONTAL CROSS SECTION
5 With Reinforcement



3 HORIZONTAL CROSS SECTION
5



4 HORIZONTAL CROSS SECTION
5 Without Reinforcement



Signature
FL 46718

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SUN METALS

PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

		REVISIONS			
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	JGB		
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

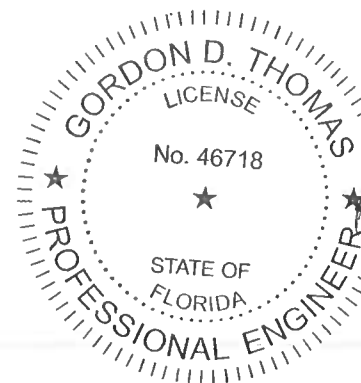
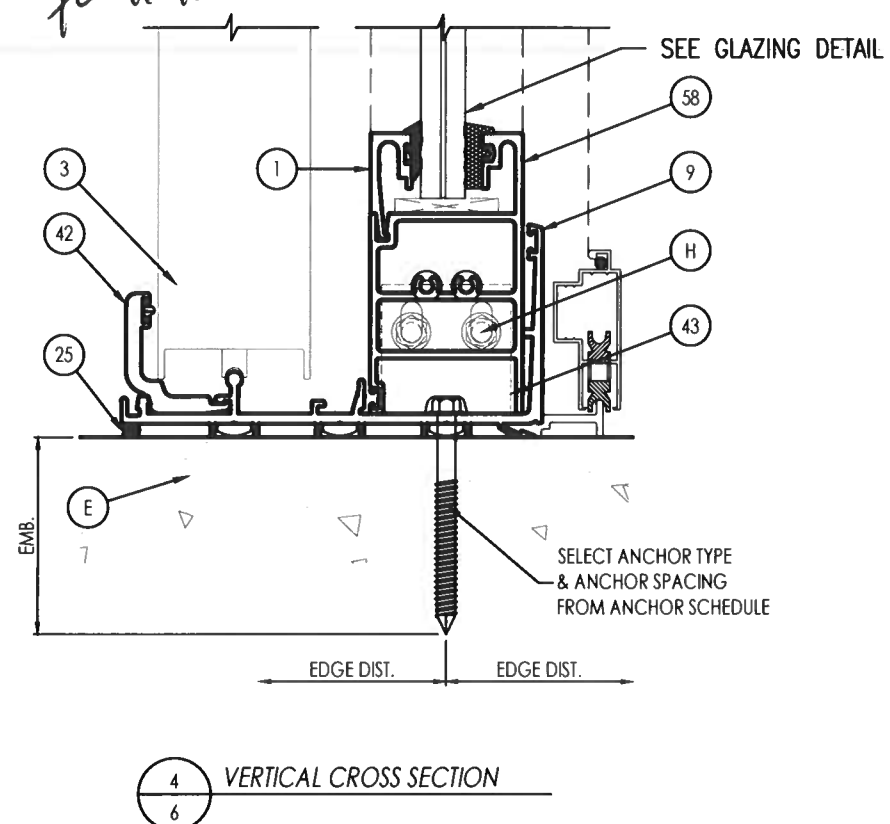
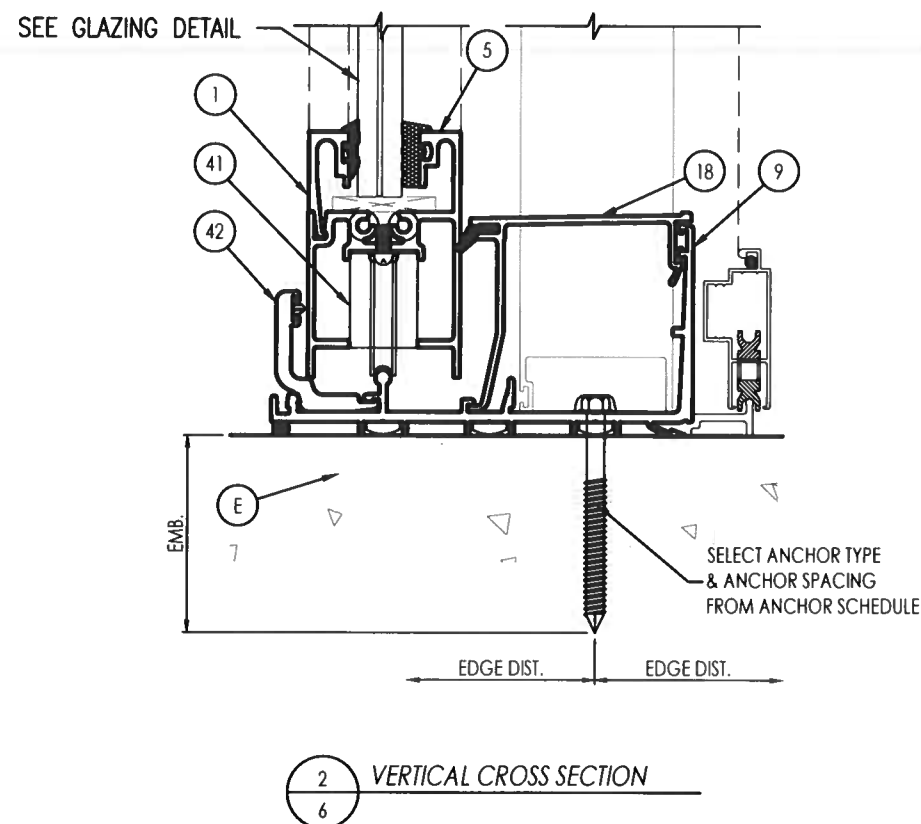
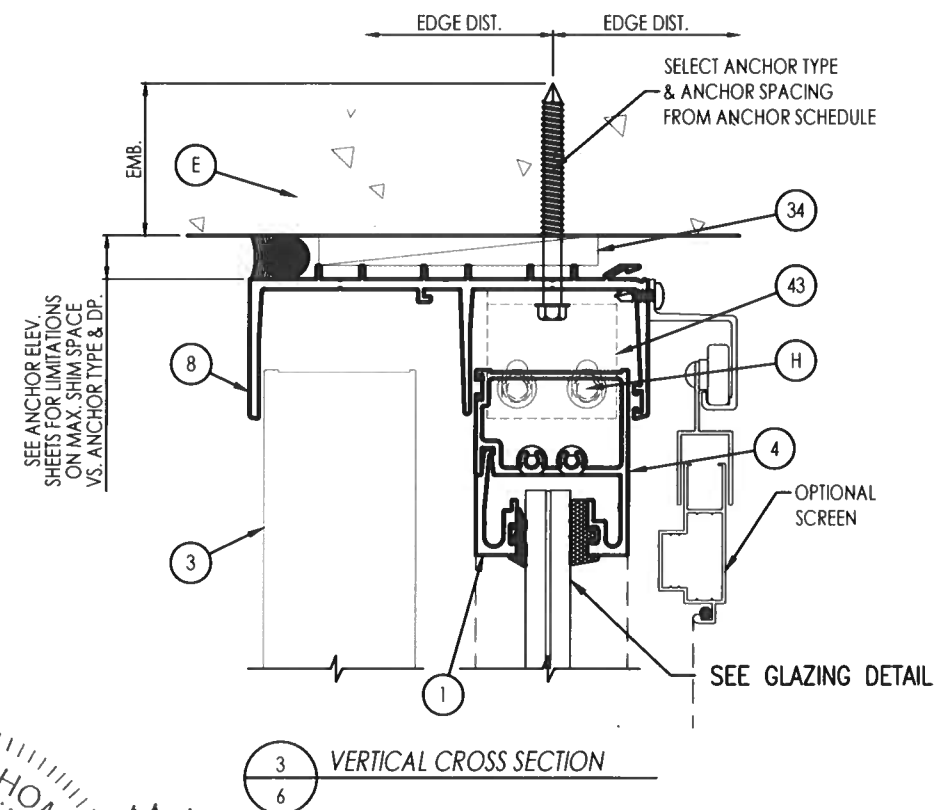
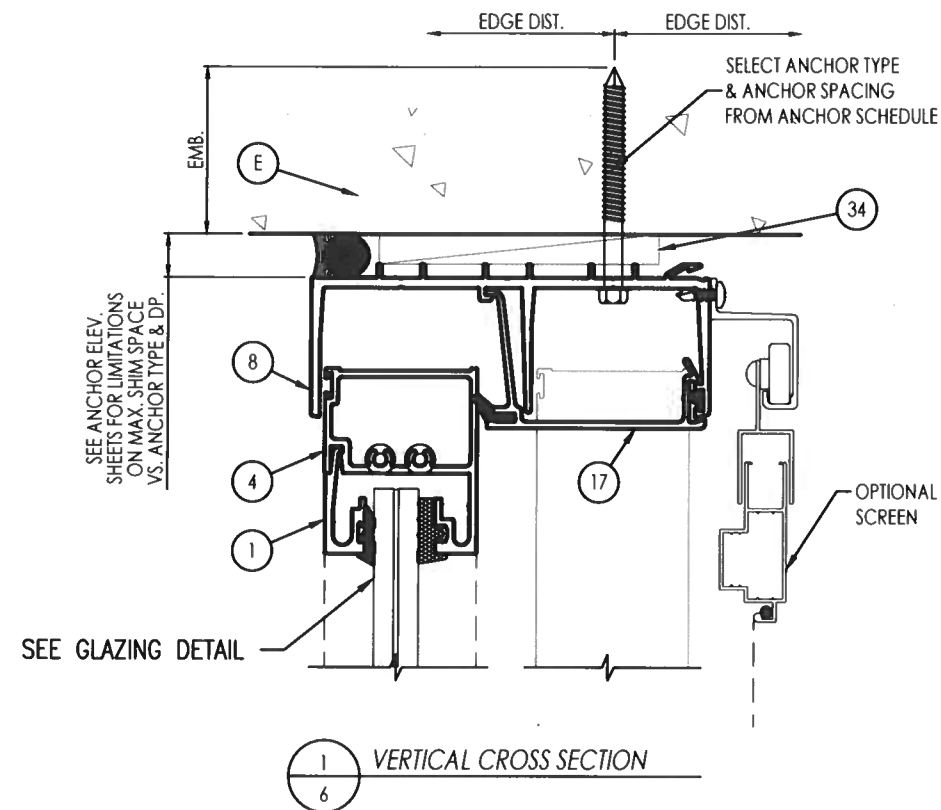
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DWG. BY: CO

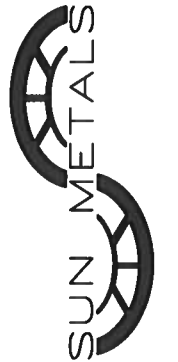
CHK BY: ECV

DRAWING NO.: FL-15903.8

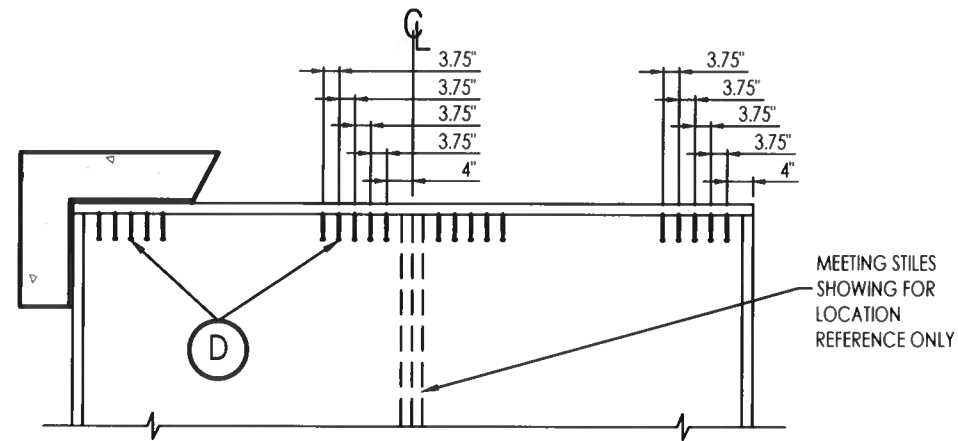
SHEET: 5 OF 10



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FAX: (813) 886-0666

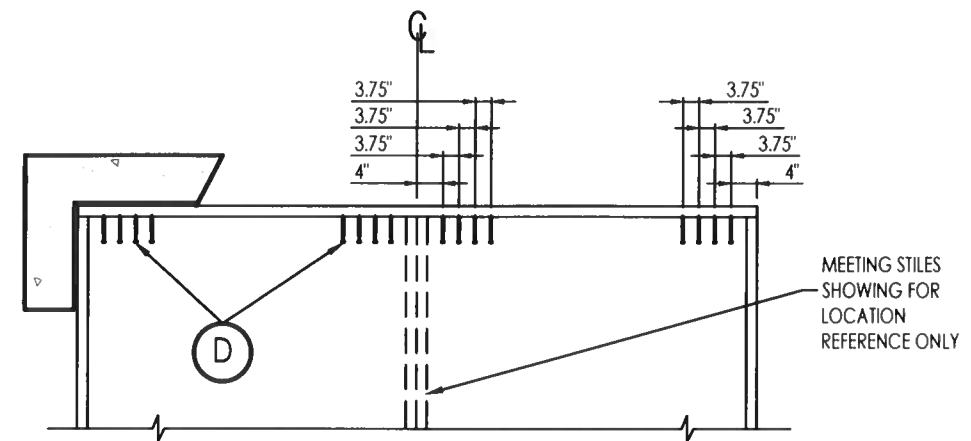


PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JGB
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC	ECV
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC	LFS
REVISIONS			
DATE: 08/09/19			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.8			
SHEET: 6 OF 10			



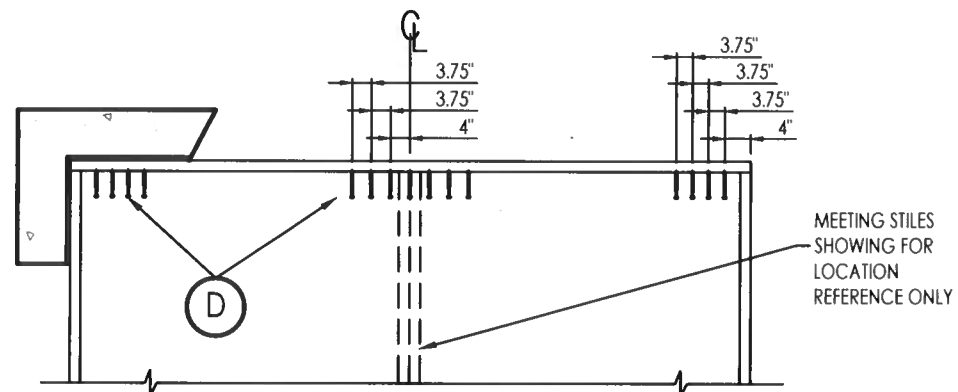
FRAME ANCHORING @ HEAD

DP <= 70 PSF
Max. shim space <= .625



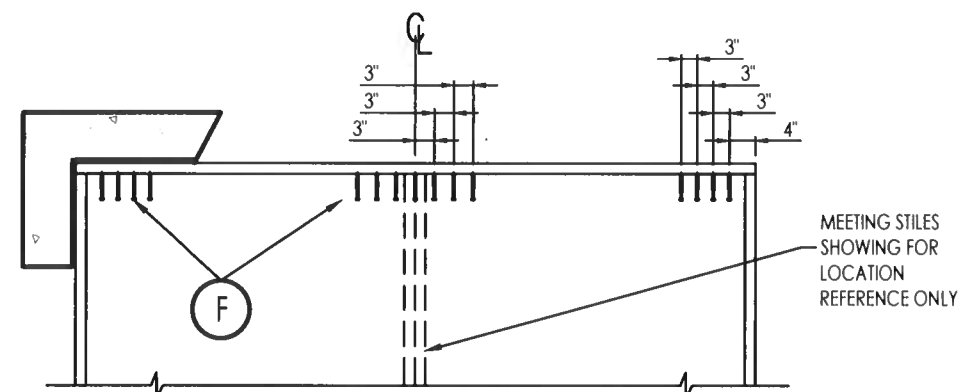
FRAME ANCHORING @ HEAD

DP <= 100 PSF
Max. shim space <= .25



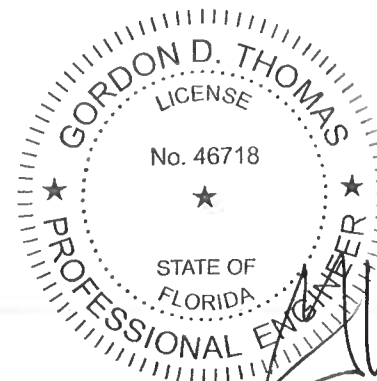
FRAME ANCHORING @ HEAD

DP <= 68.PSF
Max. shim space <= .41



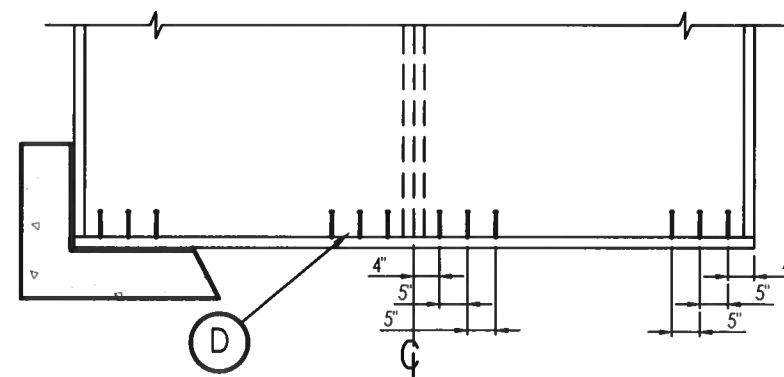
FRAME ANCHORING @ HEAD

DP <= 100 PSF
Max. shim space <= .625



elutz
p 4671E

SUBSTRATE		ANCHOR SCHEDULE
CONCRETE		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.
		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

**ANCHORING
CONCRETE SUBSTRATE**

[illegible]

DATE: 08/09/19

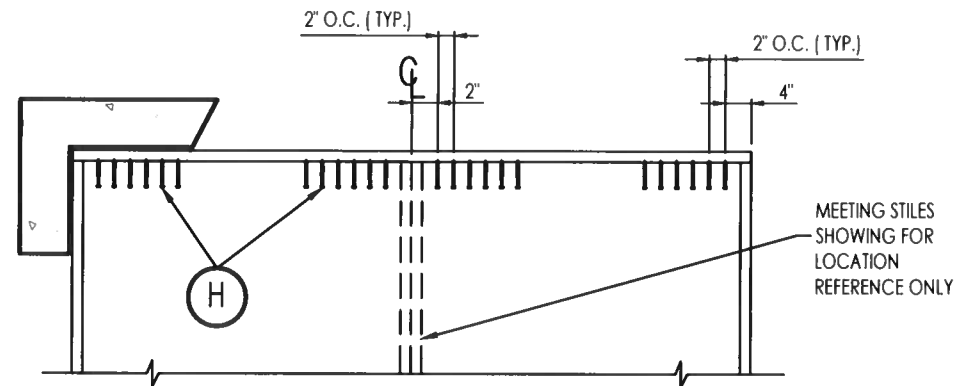
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DWG. BY: CO

CHK BY: ECV

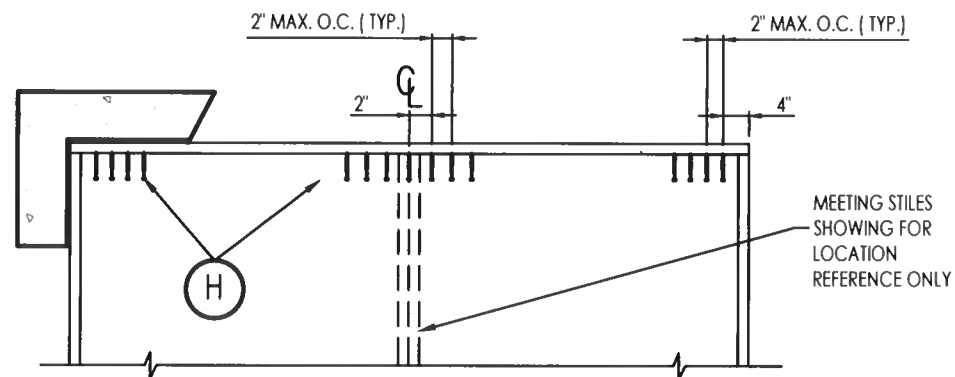
DRAWING NO.:
FL-15903.8

SHEET: 7 OF 10



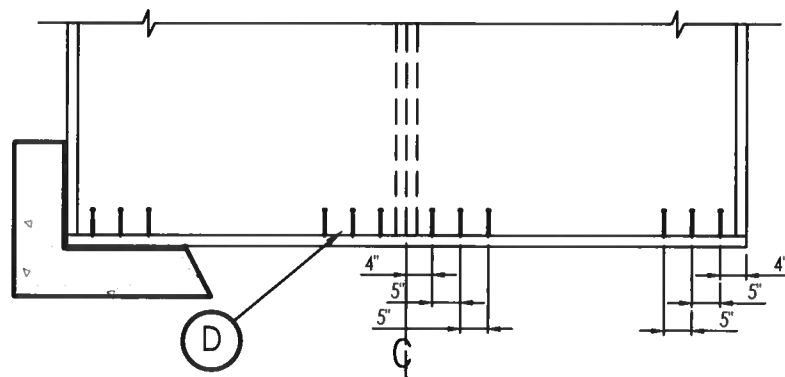
FRAME ANCHORING @ HEAD

Steel substrate
DP <= 100 PSF
Max. shim space <= .625



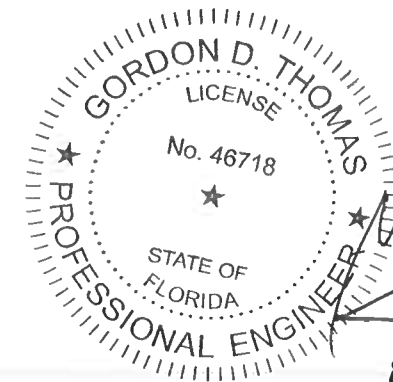
FRAME ANCHORING @ HEAD

Steel substrate
DP <= 78 PSF
Max. shim space <= .625



FRAME ANCHORING @ SILL

Concrete substrate
DP <= 100 PSF
Max. shim space <= .17



Handwritten signature and date:
8/11/25
FL 46718

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	JGB
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-15903.8

SHEET: 8 OF 10



PRODUCT:		SLIDING GLASS DOOR		PART OR ASSEMBLY:		COMPONENTS	
						</	

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
12	REINFORCEMENT 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" 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
51	I.G. GLAZING BEAD 6063-T6	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
57	INTERLOCK STILE - FIXED PANEL (1-5/16")	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

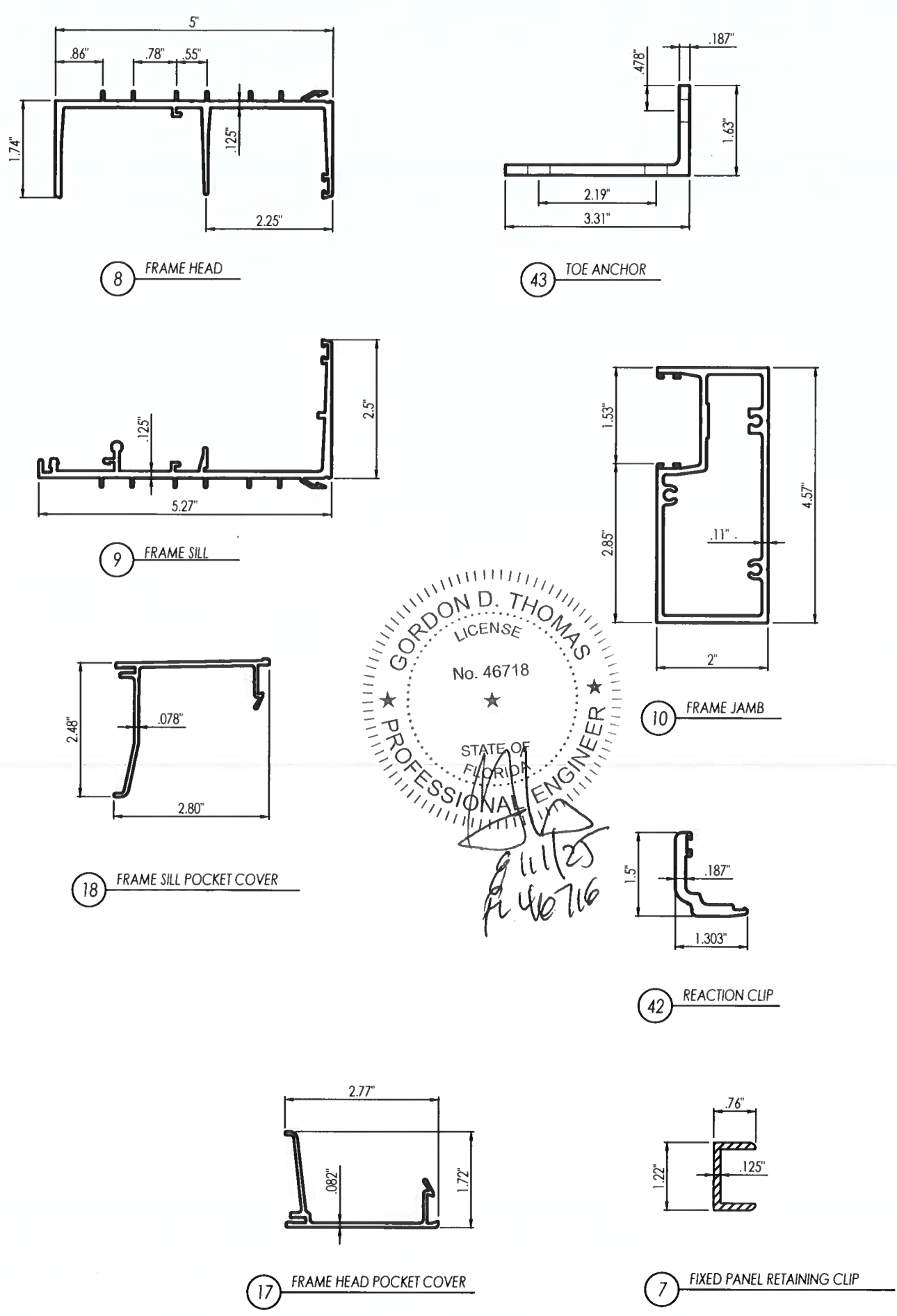

28 PRE-SET GASKET

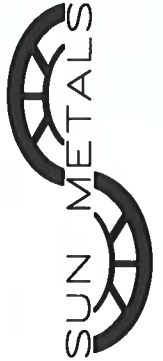

30 WEDGE GASKET


61 WEDGE


59 FOAM CAULK STOP


29 PRE-SET GASKET





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TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666

PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		COMPONENTS & BILL OF MATERIALS	
		ECV	
		FBC	
		(2023)	
		UPDATE TO 8TH ED.	
		7/14/25	
		JCB	
		FBC	
		(2020)	
		UPDATE TO 7TH ED.	
		9/21/20	
		ECV	
		FBC	
		(2017)	
		UPDATE TO 6TH ED.	
		8/9/19	
		LFS	
		FBC	
		(2014)	
		UPDATE TO 5TH ED.	
		2/18/15	
		DESCRIPTION	
		BY	
		NO	
		DATE	
		REVISIONS	

DATE: 08/09/19

SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.8

SHEET: 10 OF 10