



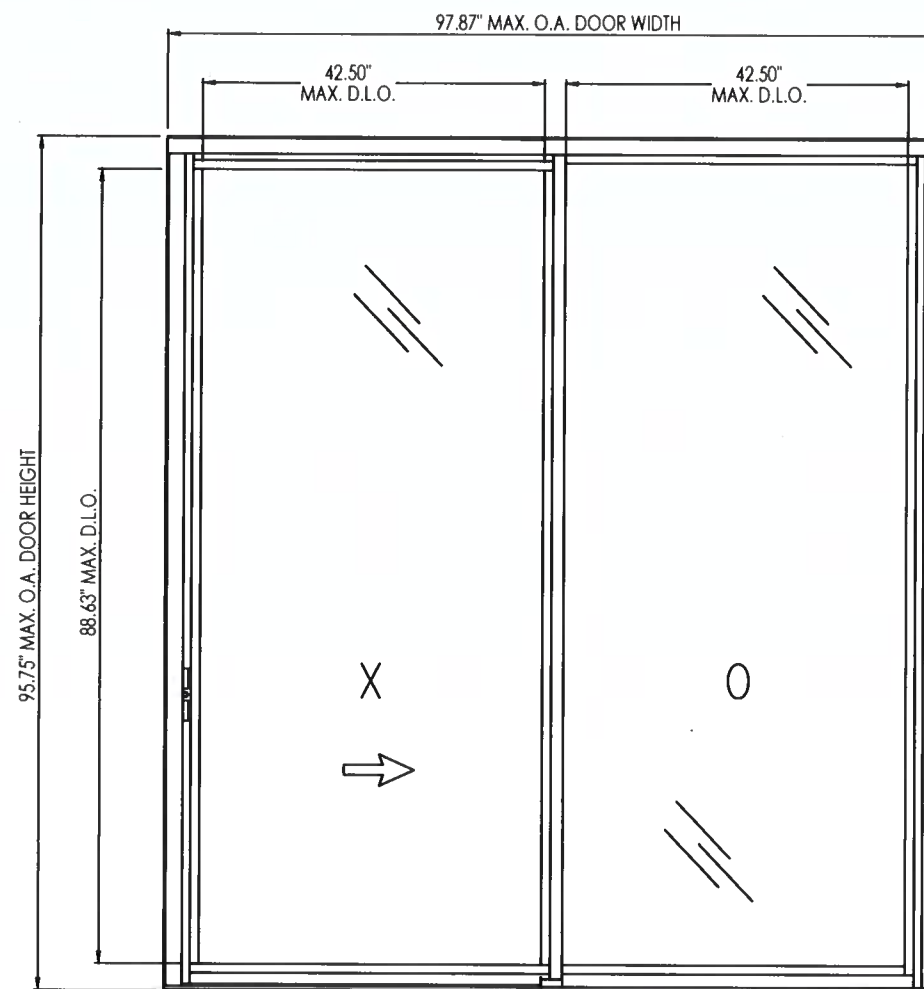
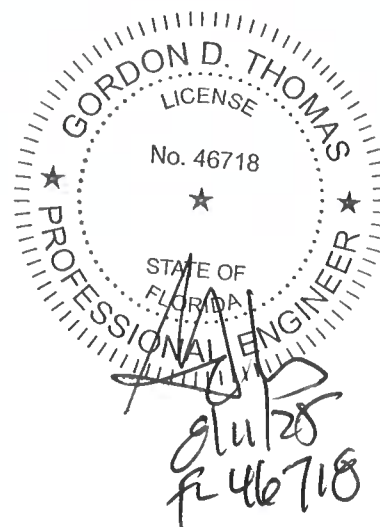
SUNDOR 5000 SLIDING GLASS DOOR

"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
97.87" x 95.75"	42.5" x 88.63"	G1	115.0	135.0
97.87" x 95.75"	42.5" x 88.63"	G2	115.0	135.0

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

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	
REVISIONS				

DATE: 08/09/19

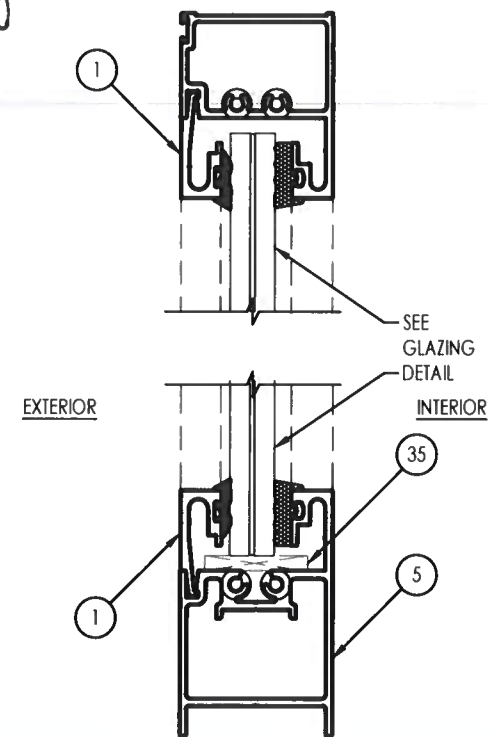
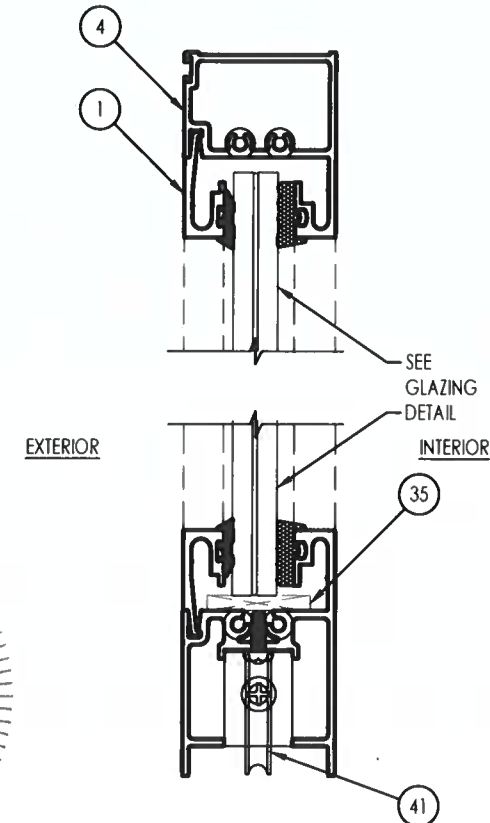
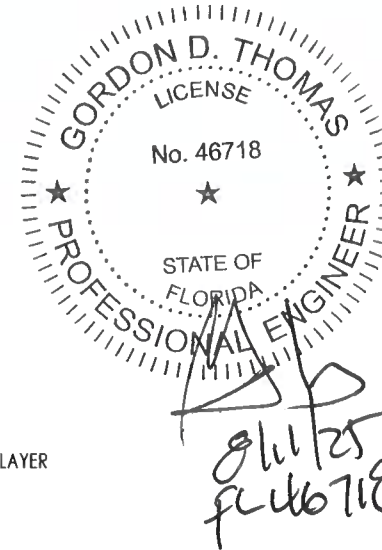
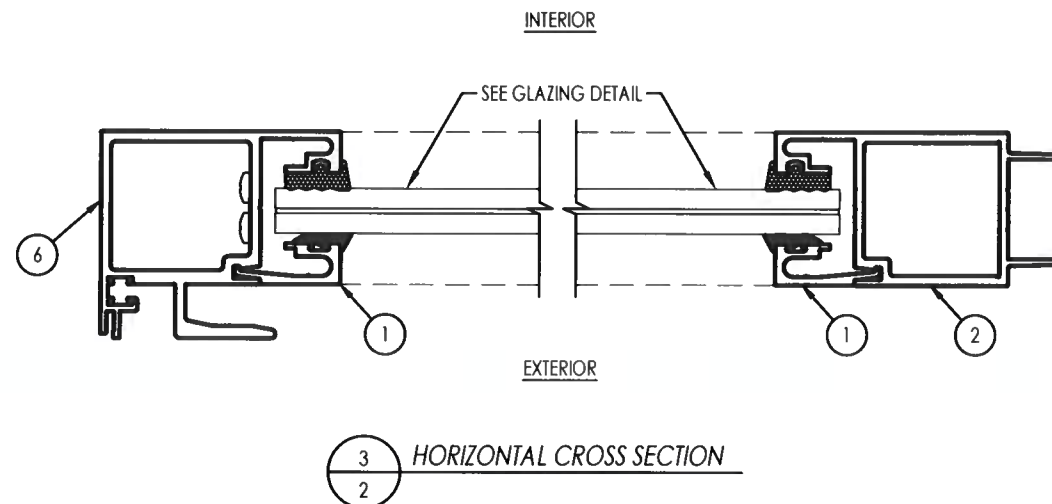
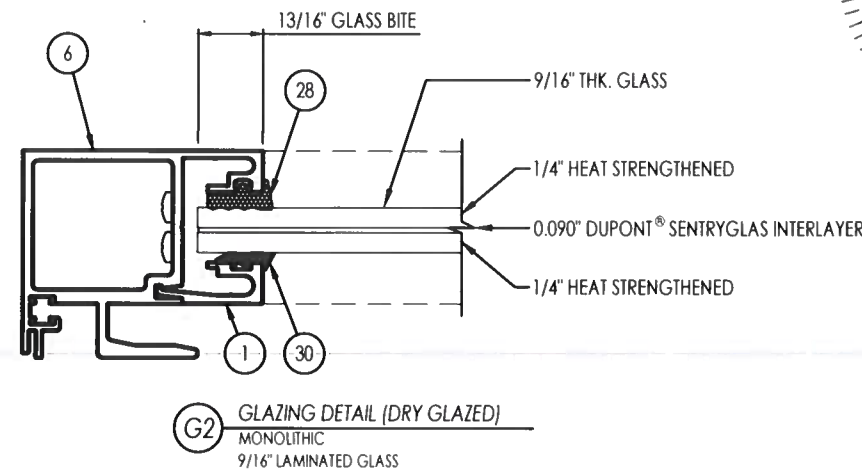
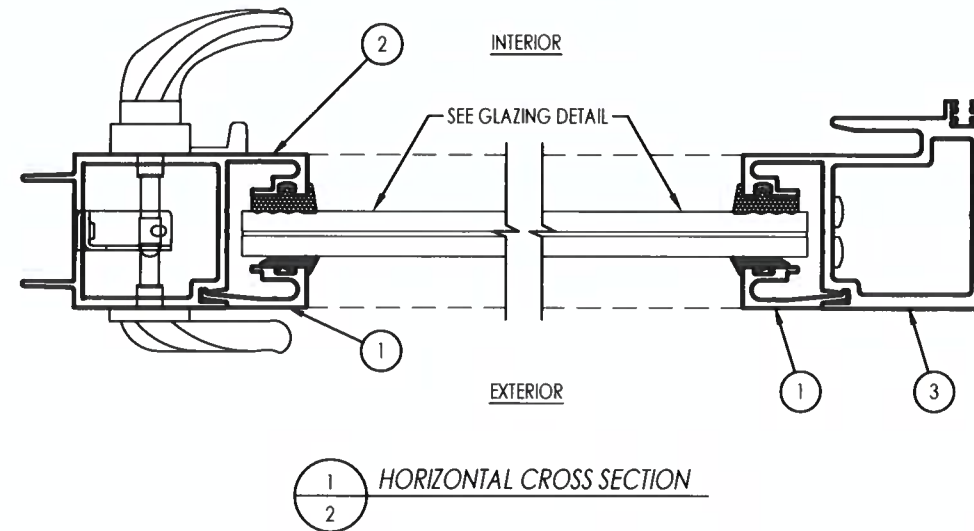
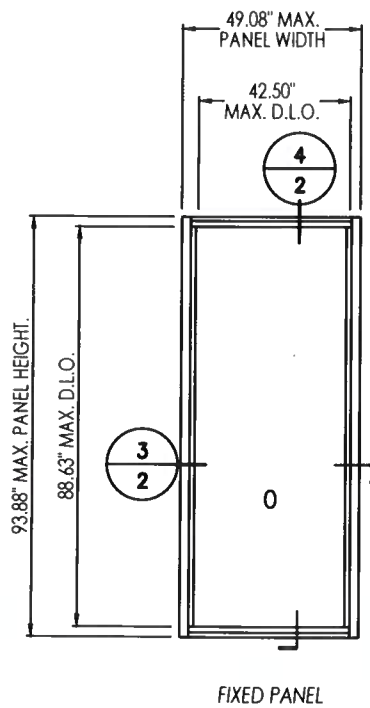
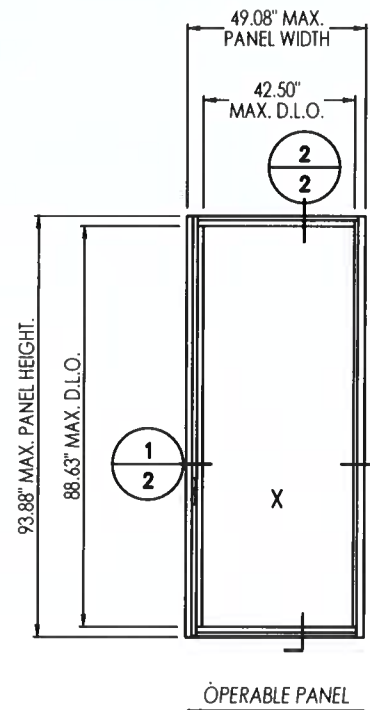
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.3

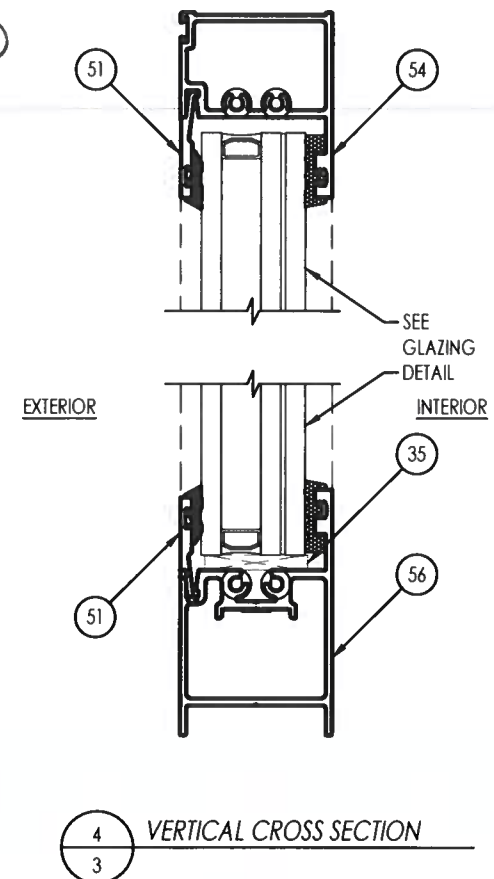
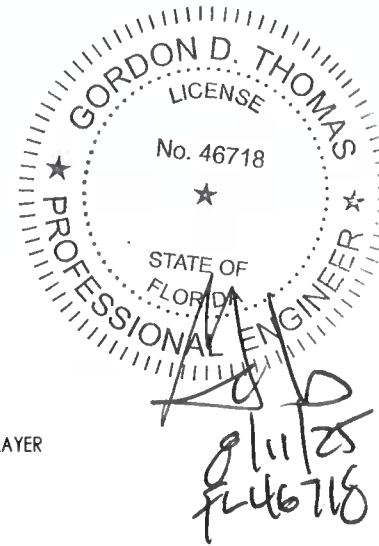
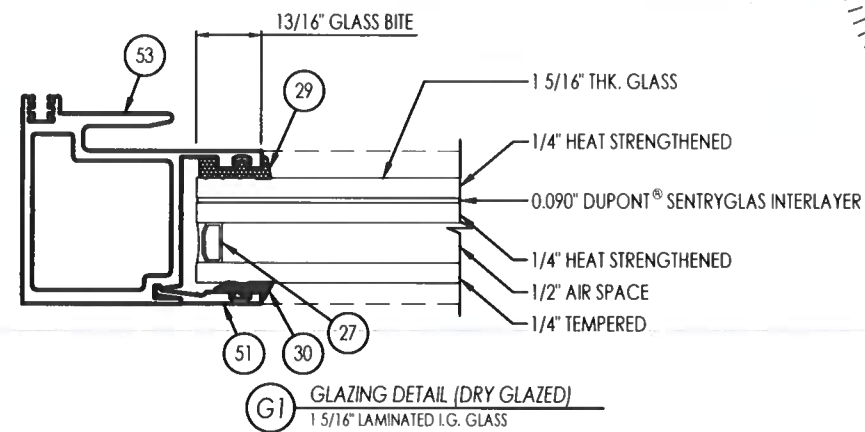
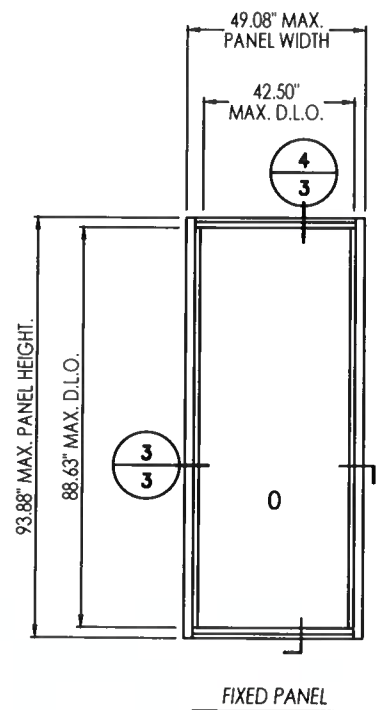
SHEET: 1 OF 10



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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 JOB	
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-15903.3			
SHEET: 2 OF 10			

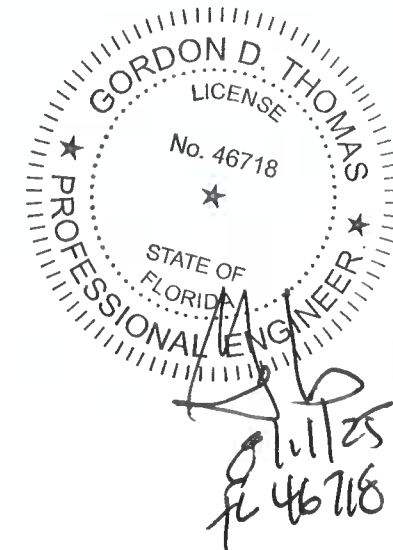
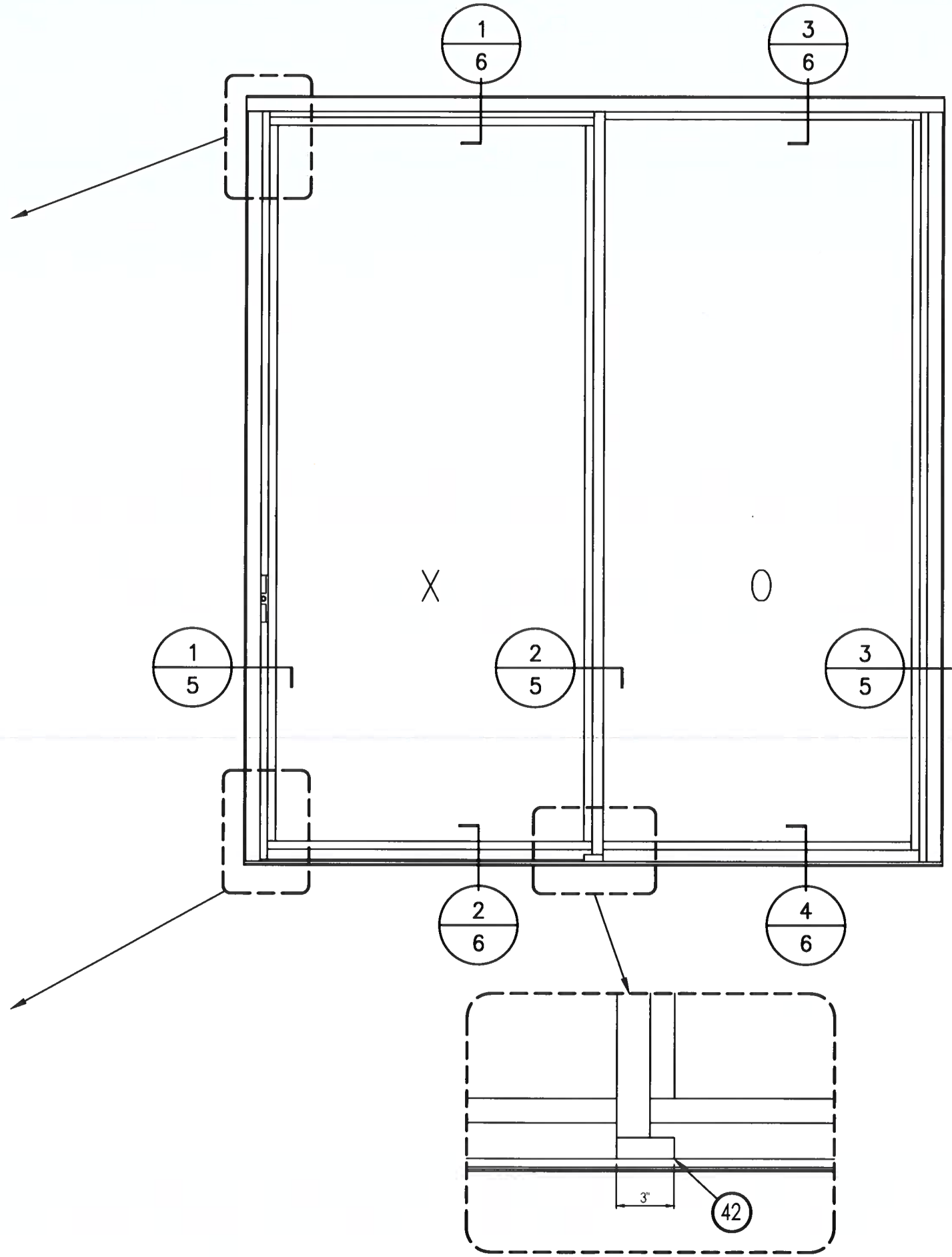
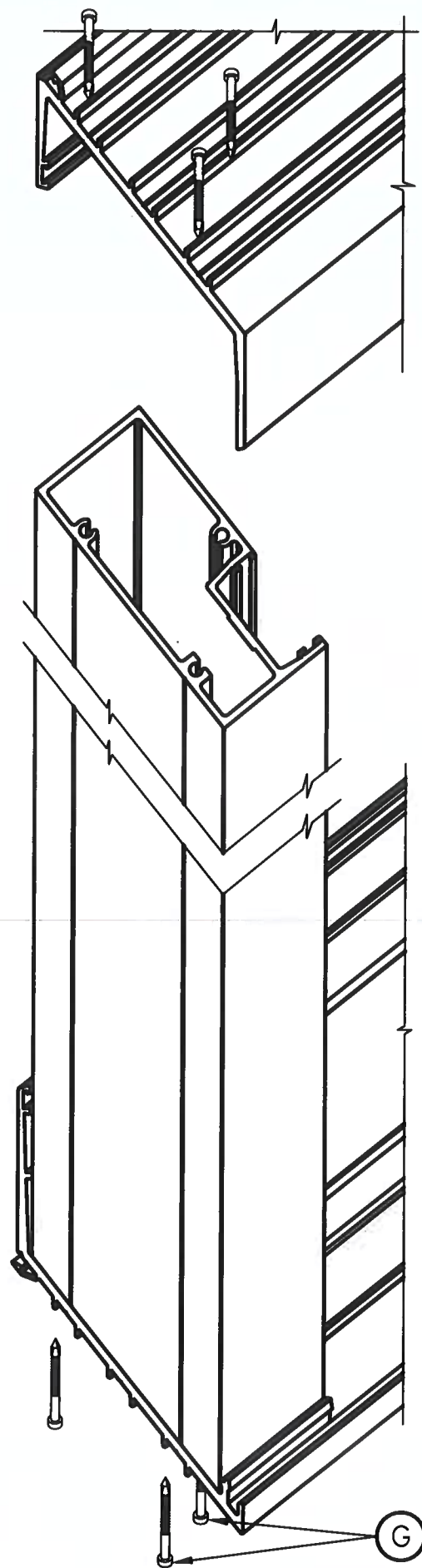


SUN METALS

PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY:

[illegible]



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SUN METALS

PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: CORNER DETAILS

		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	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

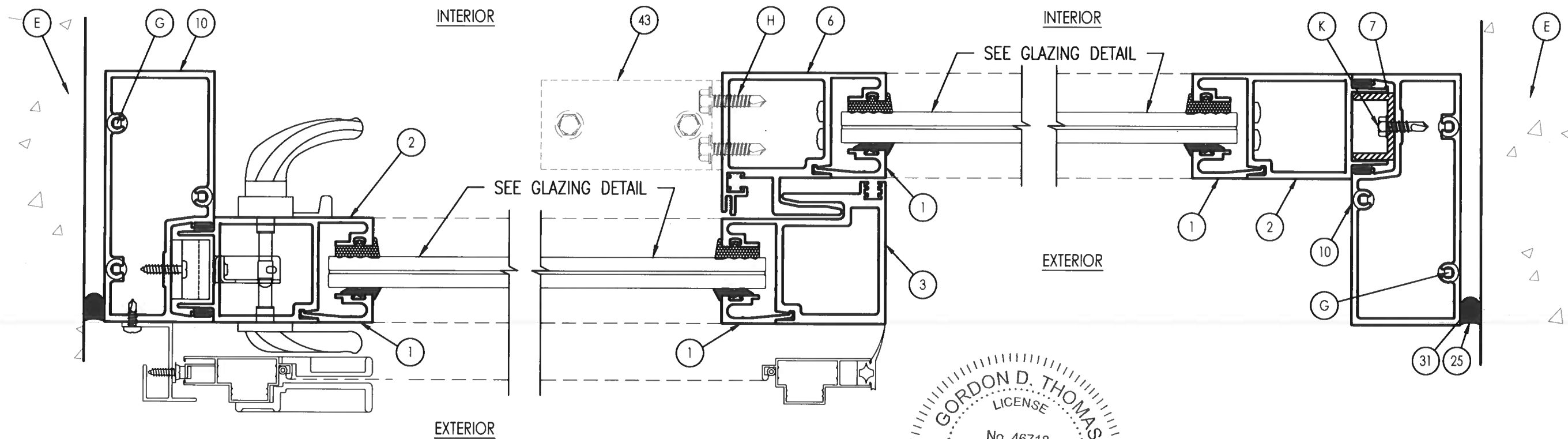
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DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.3

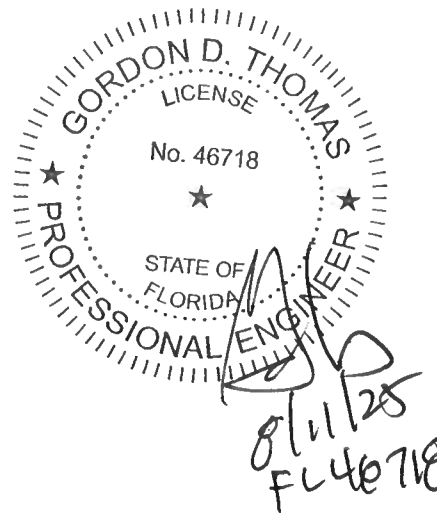
SHEET: **4** OF **10**



1 HORIZONTAL CROSS SECTION
5

2 HORIZONTAL CROSS SECTION
5

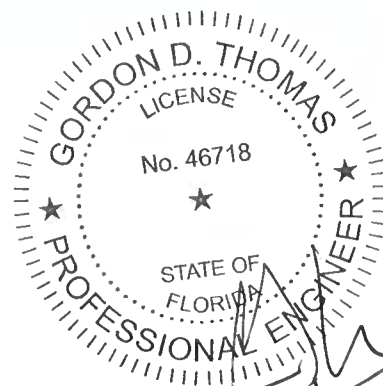
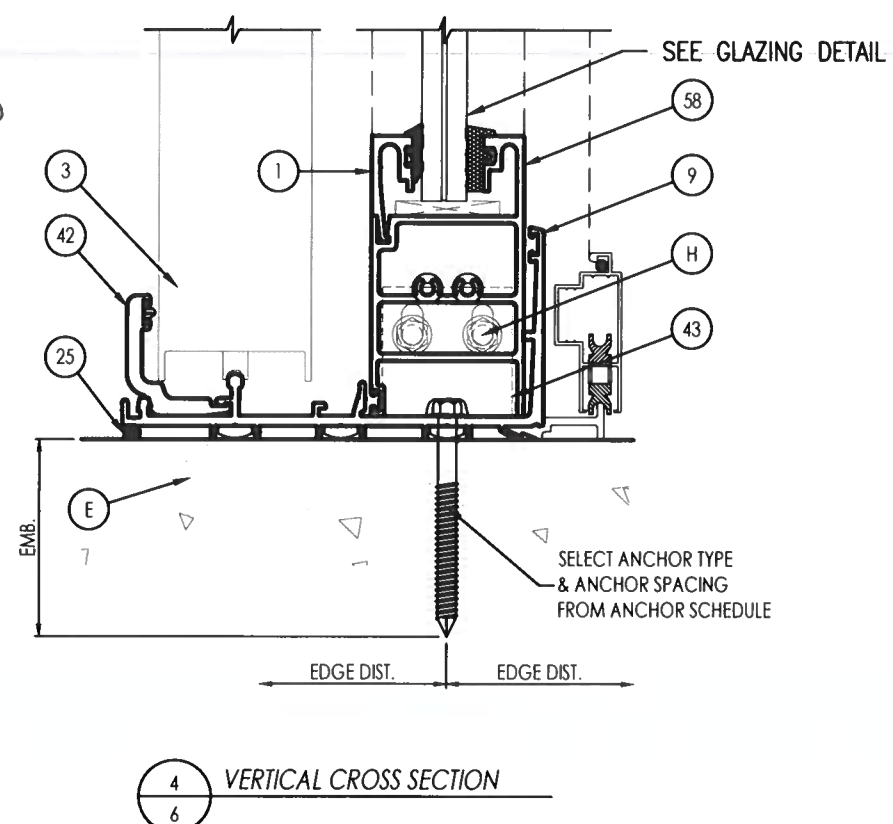
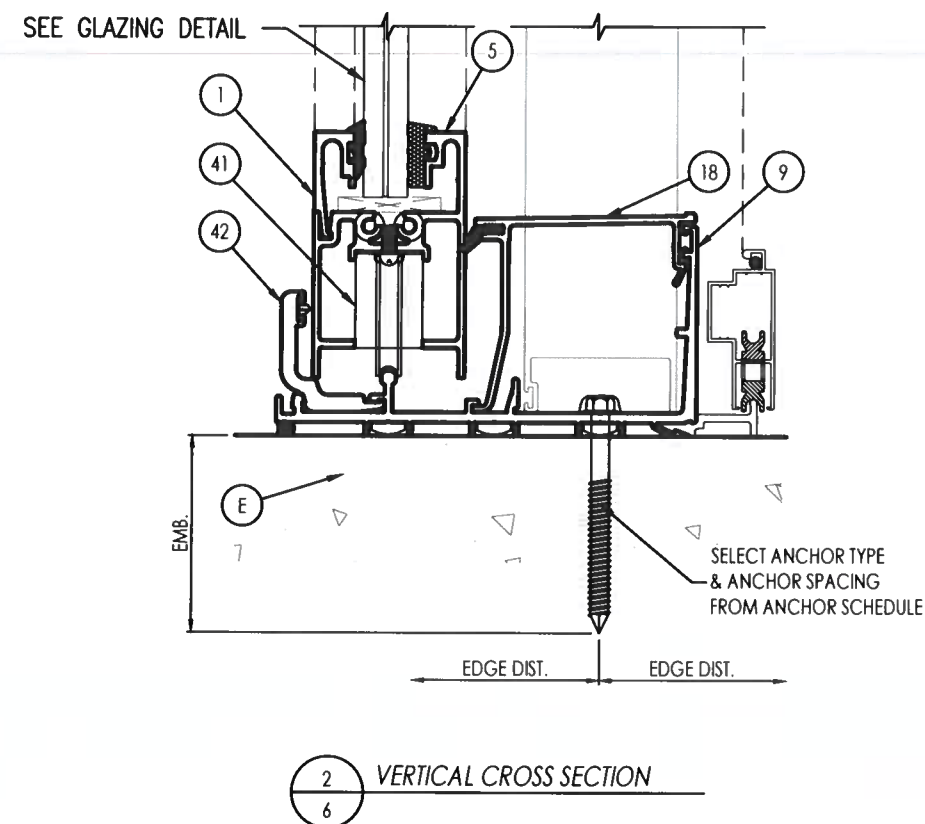
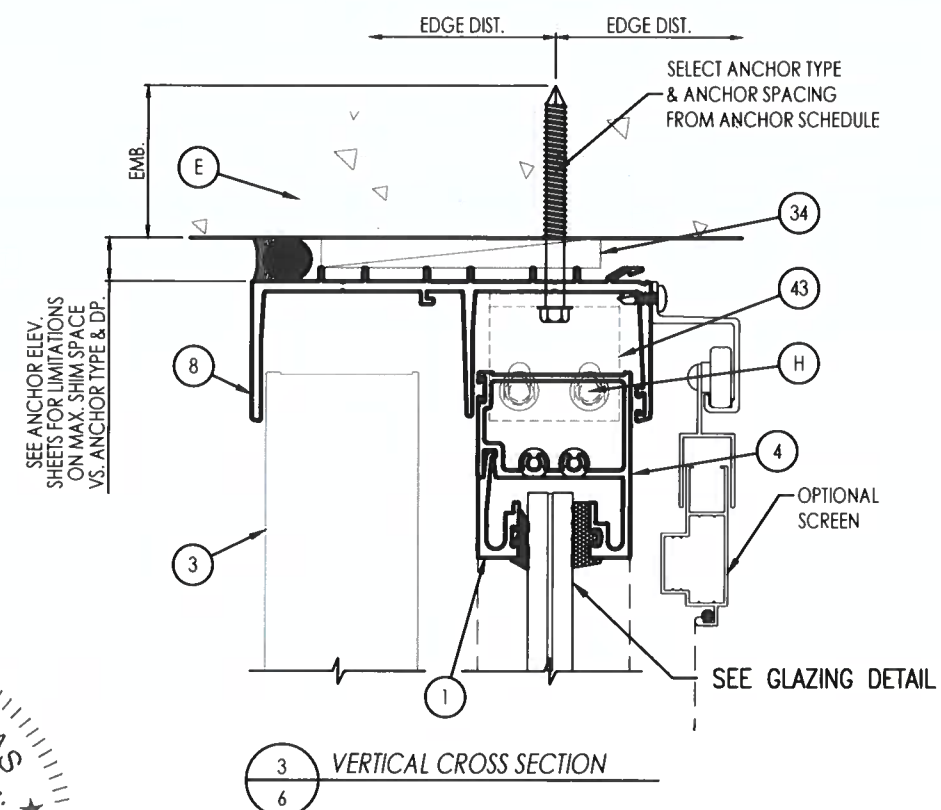
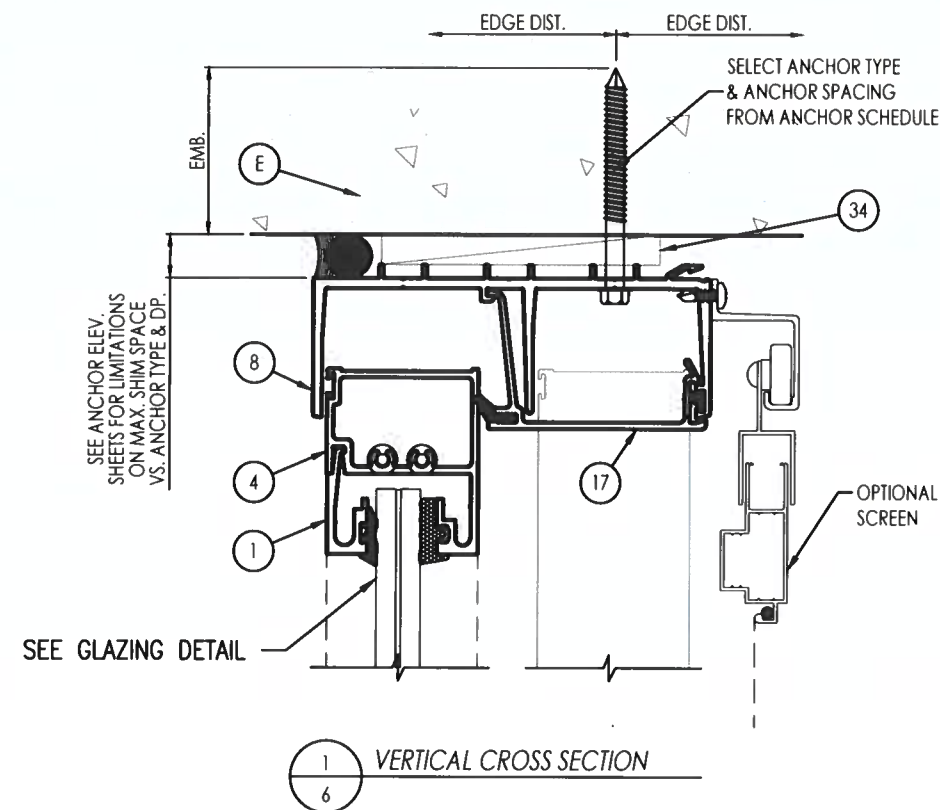
3 HORIZONTAL CROSS SECTION
5



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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
REVISIONS			
DATE: 08/09/19			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.3			
SHEET: 5 OF 10			



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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	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

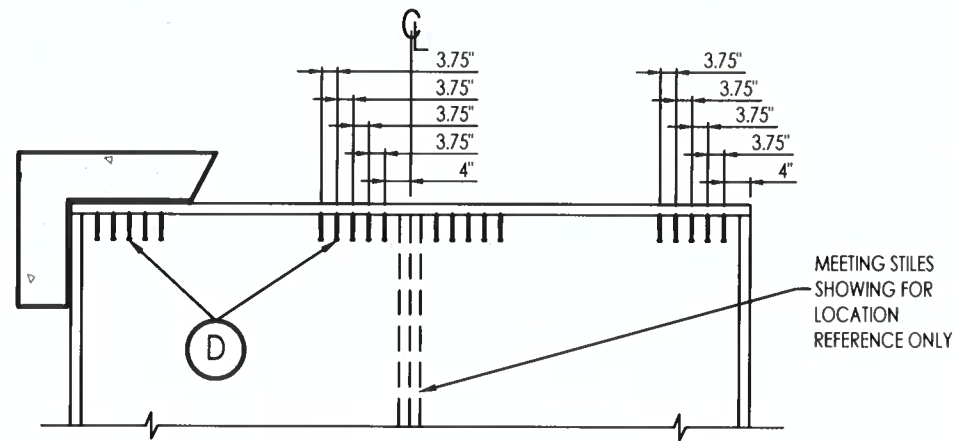
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DWG. BY: CO

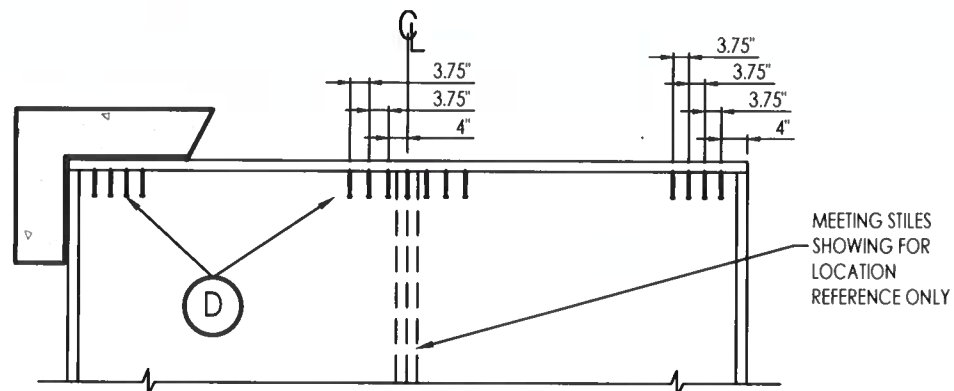
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FL-15903.3

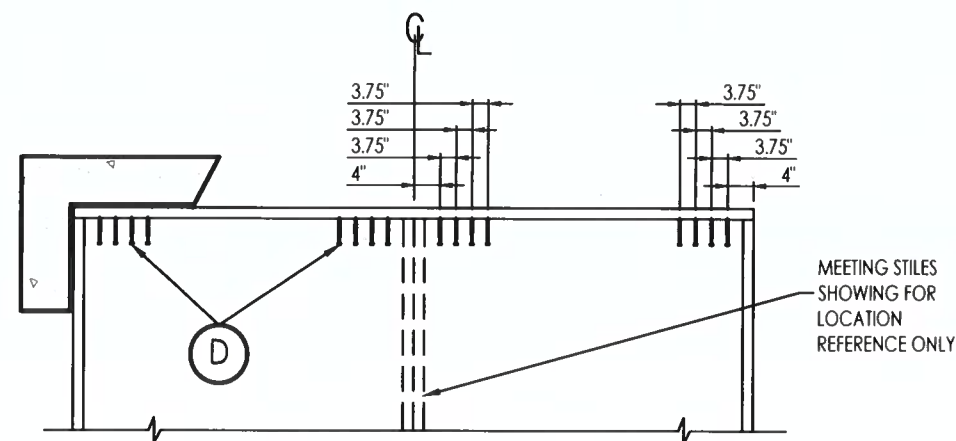
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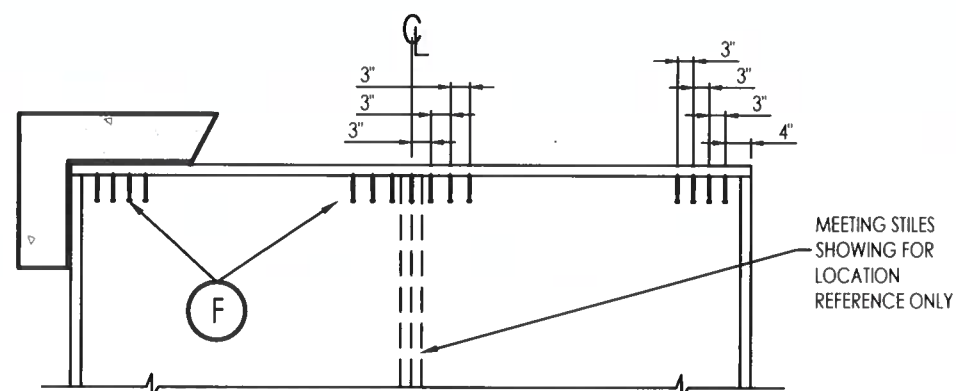
FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .625



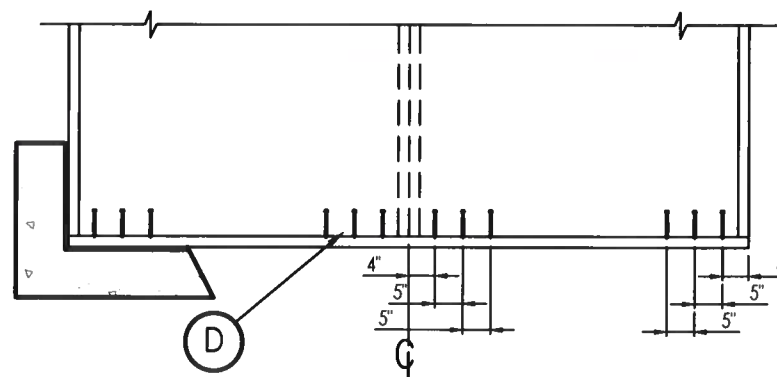
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 DP <= 80 PSF
 Max. shim space <= .41



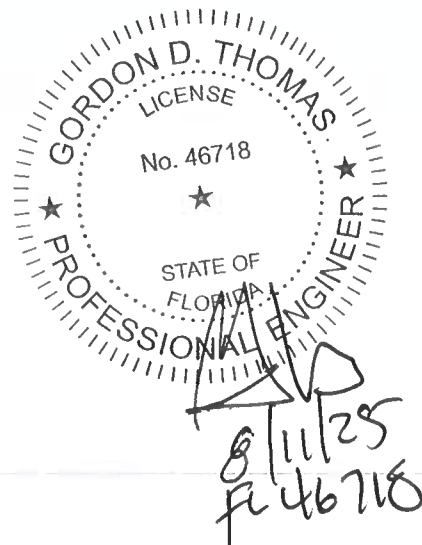
FRAME ANCHORING @ HEAD
 DP <= 135 PSF
 Max. shim space <= .25



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.

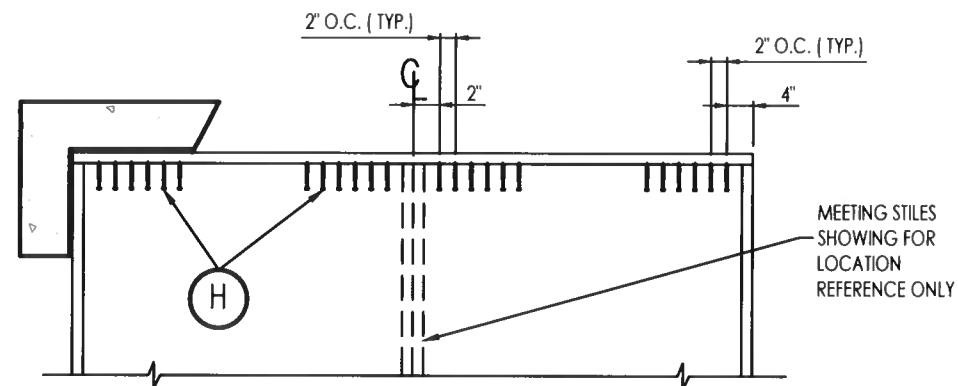
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PRODUCT:	SLIDING GLASS DOOR
PART OR ASSEMBLY:	ANCHORING CONCRETE SUBSTRATE

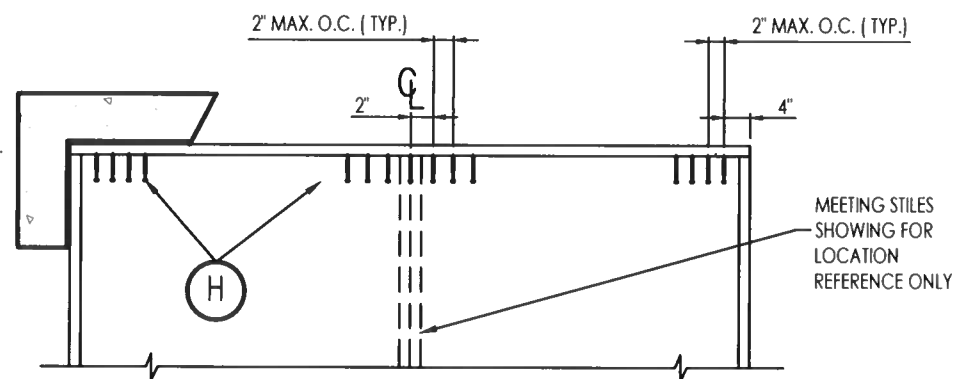
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4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JOB	
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	

DATE:	08/09/19
SCALE:	NTS
DWG. BY:	CO
CHK BY:	ECV
DRAWING NO.:	FL-15903.3
SHEET:	7 OF 10



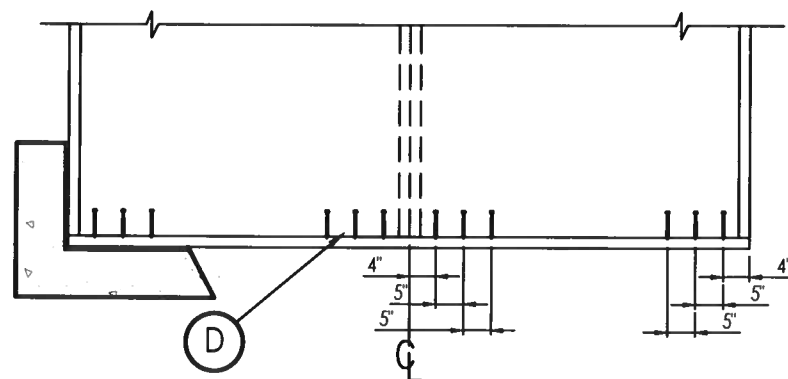
FRAME ANCHORING @ HEAD

Steel substrate
DP <= 135 PSF
Max. shim space <= .625



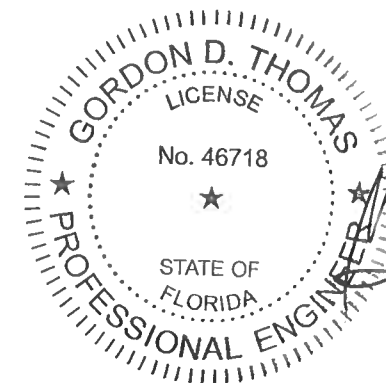
FRAME ANCHORING @ HEAD

Steel substrate
DP <= 80 PSF
Max. shim space <= .625



FRAME ANCHORING @ SILL

Concrete substrate
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.
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.

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

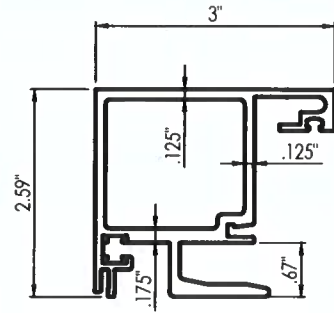
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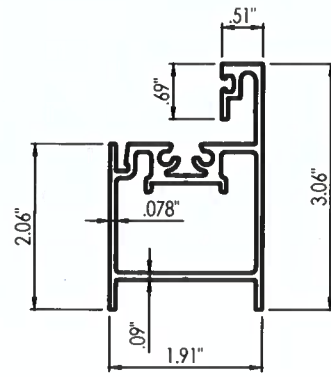
SHEET: 8 OF 10

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TAMPA, FLORIDA 33634
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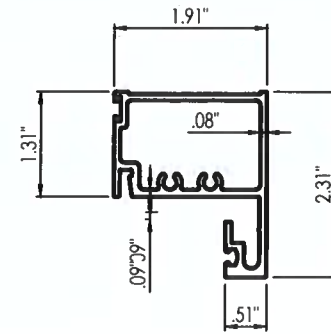




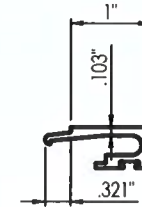
6 INTERLOCK STILE - FIXED PANEL
9/16\" GLASS



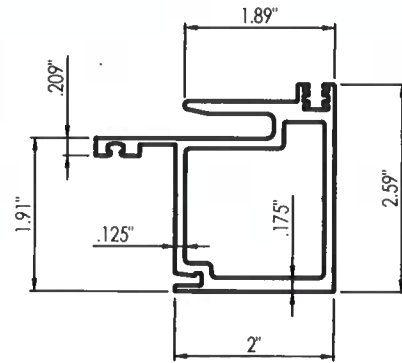
5 BOTTOM RAIL - MOVING PANEL
9/16\" GLASS



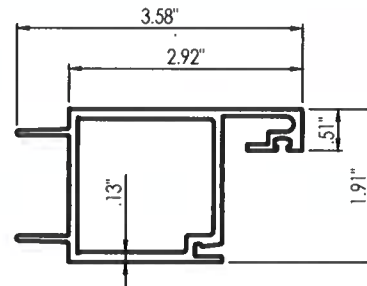
4 TOP RAIL
9/16\" GLASS



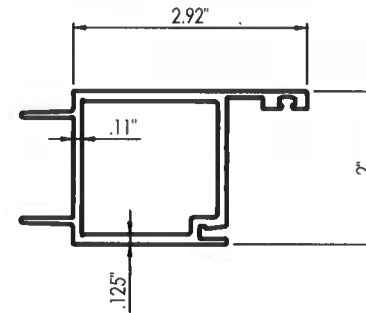
1 GLAZING BEAD
9/16\" GLASS



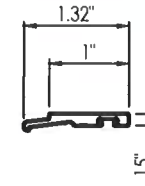
53 I.G. INTERLOCK STILE - MOVING PANEL
1-5/16\" GLASS



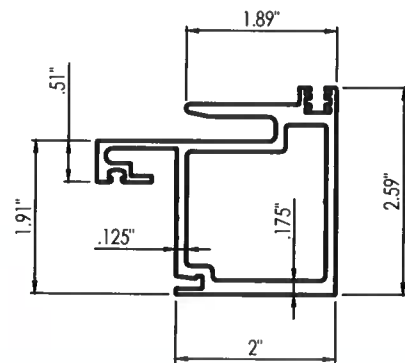
2 LEAD STILE
9/16\" GLASS



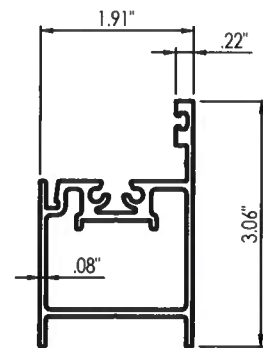
55 I.G. LEAD STILE
1-5/16\" GLASS



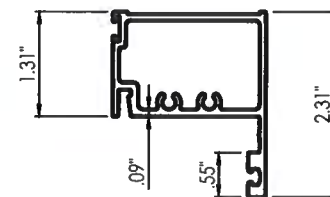
51 I.G. GLAZING BEAD
1-5/16\" GLASS



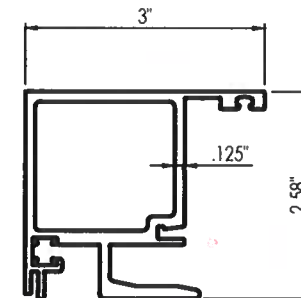
3 INTERLOCK STILE - MOVING PANEL
9/16\" GLASS



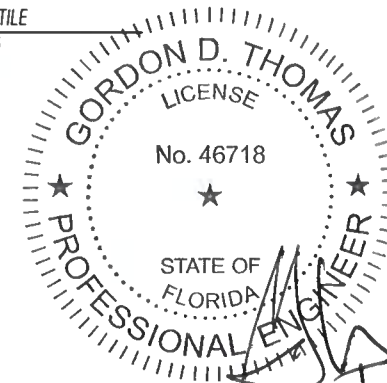
56 I.G. BOTTOM RAIL - MOVING PANEL
1-5/16\" GLASS



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



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

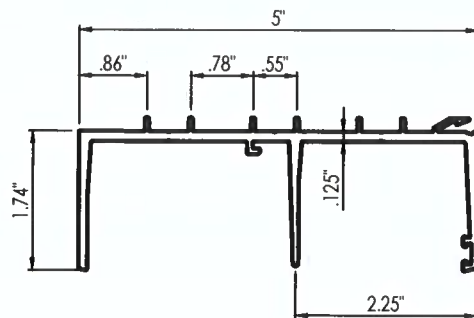


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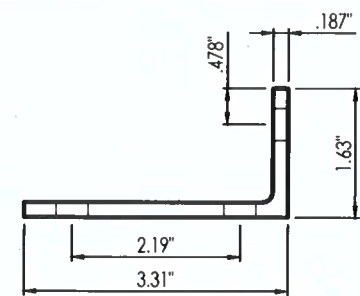


PRODUCT:		SLIDING GLASS DOOR		PART OR ASSEMBLY:		COMPONENTS	
NO	DATE	DESCRIPTION	BY	NO	DATE	DESCRIPTION	BY
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS		1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	
2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV		2	8/9/19	UPDATE TO 6TH ED. (2017) FBC ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JOB		3	9/21/20	UPDATE TO 7TH ED. (2020) FBC JOB	
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV		4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
DATE: 08/09/19				SCALE: NTS			
DWG. BY: CO				CHK BY: ECV			
DRAWING NO.: FL-15903.3				SHEET: 9 OF 10			

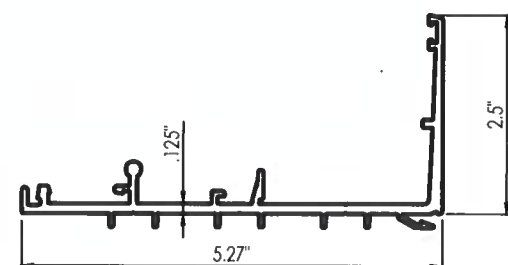
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	5/16" x 2-3/4" HWH ITW TAPCON XL CONCRETE ANCHOR	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/8" x 2-1/2" ITW DYNABOLT SLEEVE ANCHOR	STEEL
G	#10 x 1-1/2" SQ-PH ASSEMBLY SCREW	STL. 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
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
56	I.G. BOTTOM RAIL - MOVING PANEL 6063-T6 (1-5/16")	ALUM
57	INTERLOCK STILE - FIXED PANEL (1-5/16")	ALUM



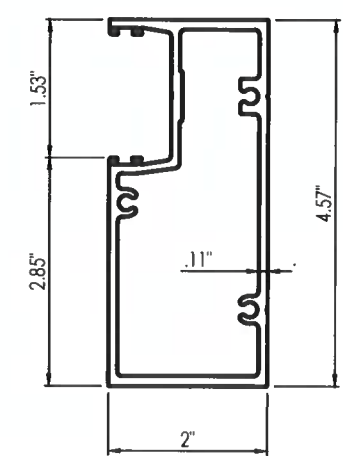
8 FRAME HEAD



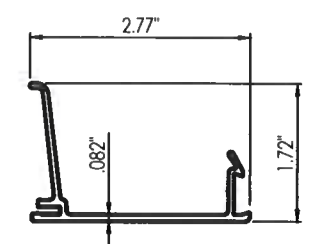
43 TOE ANCHOR



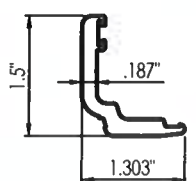
9 FRAME SILL



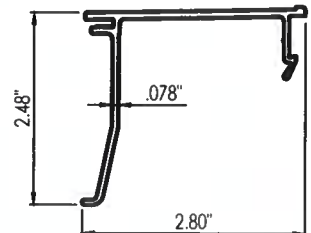
10 FRAME JAMB



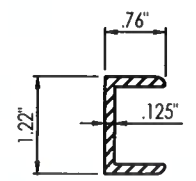
17 FRAME HEAD POCKET COVER



42 REACTION CLIP



18 FRAME SILL POCKET COVER



7 FIXED PANEL RETAINING CLIP



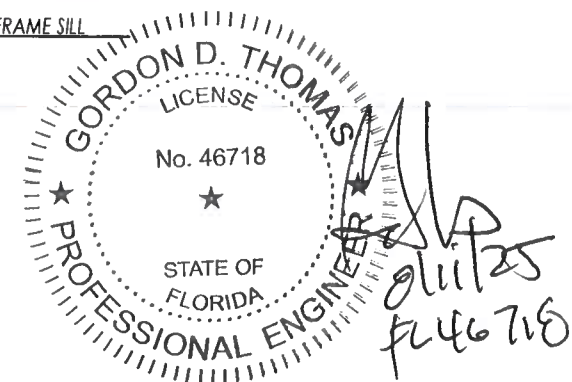
30 WEDGE GASKET



28 PRE-SET GASKET



29 PRE-SET GASKET



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

SUN METALS

PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: COMPONENTS & BILL OF MATERIALS

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

DATE: 08/09/19

SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.3

SHEET: 10 OF 10