



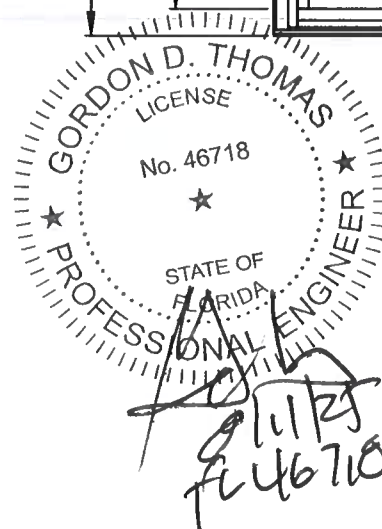
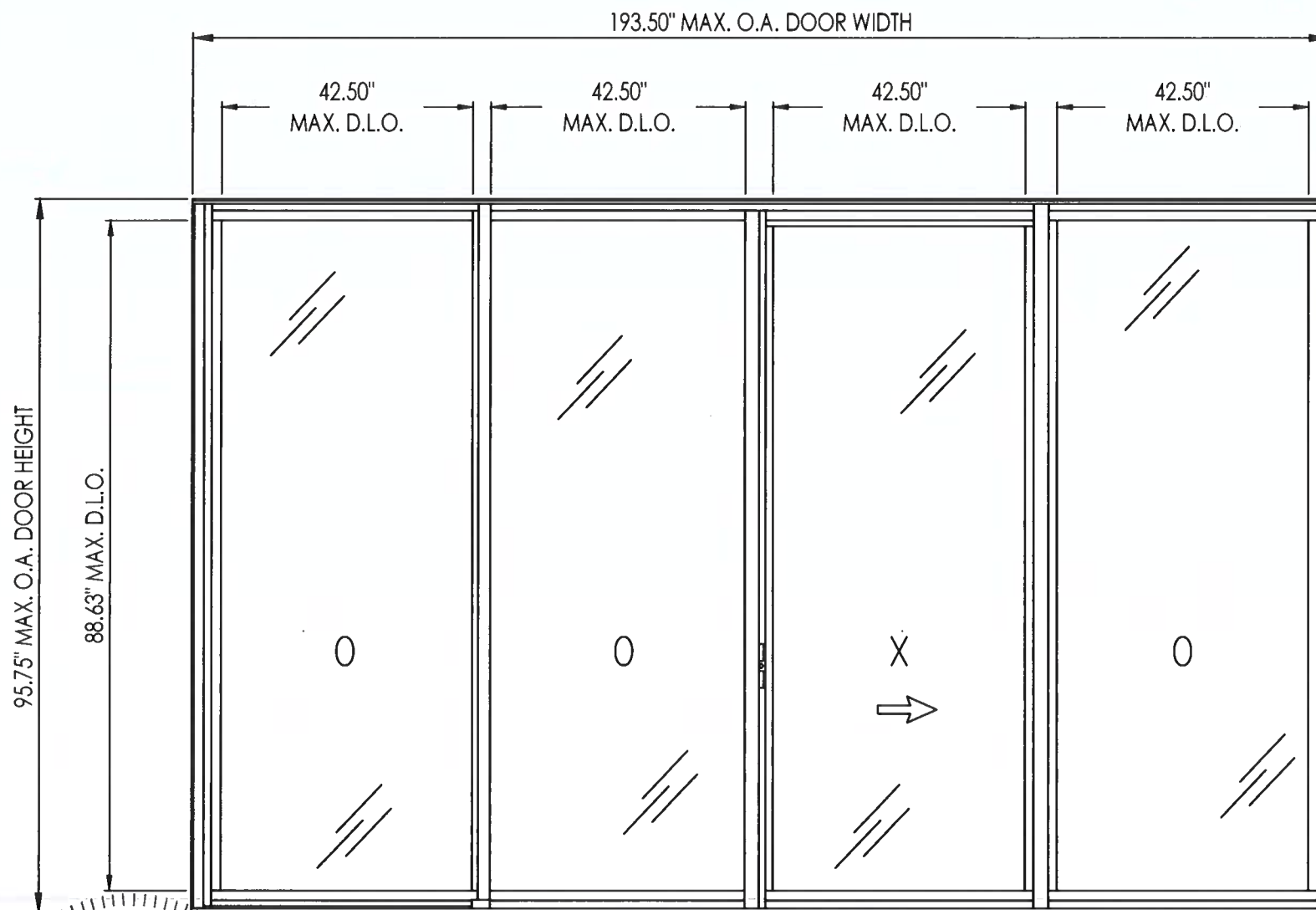
SUNDOR 5000 SLIDING GLASS DOOR

"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.

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



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

DATE: 08/09/19

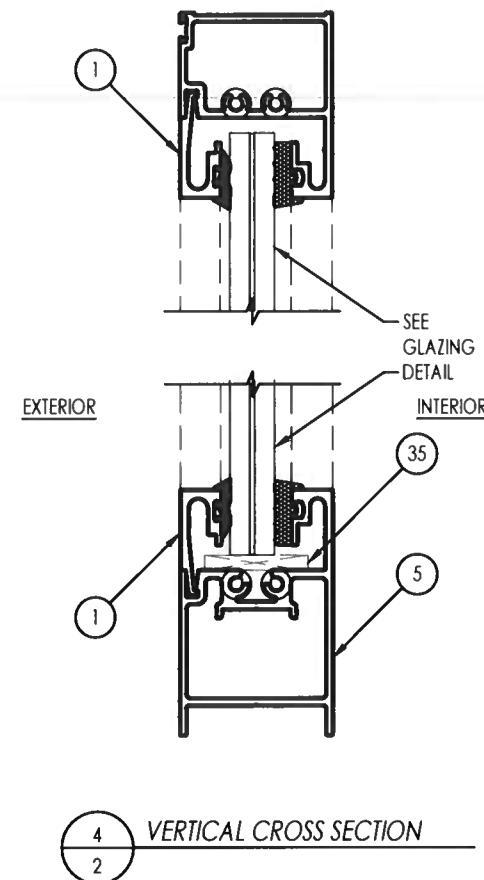
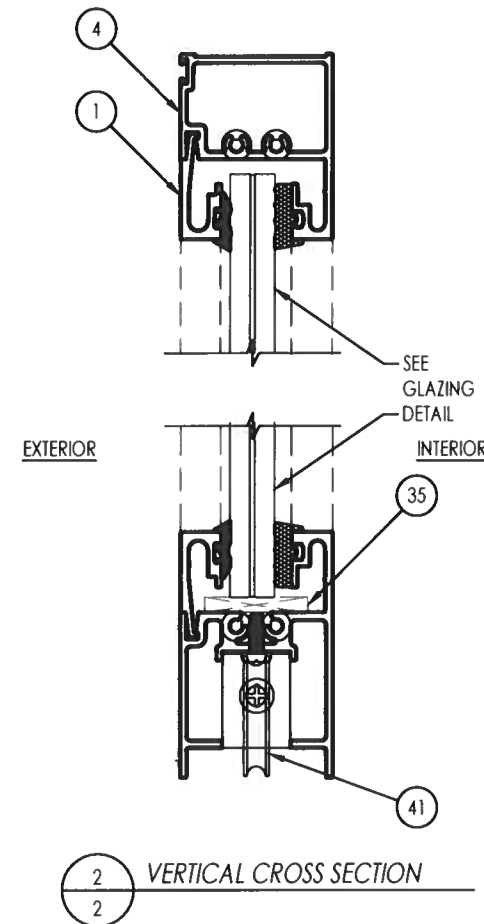
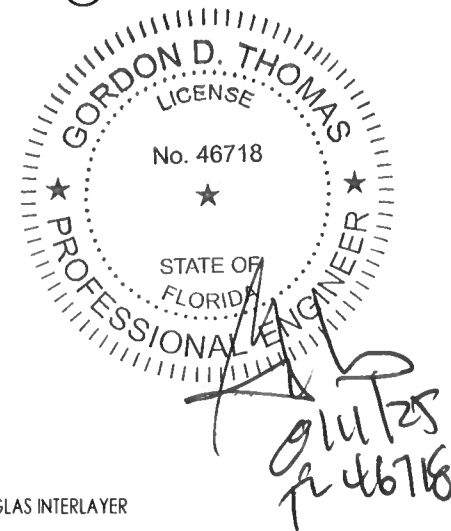
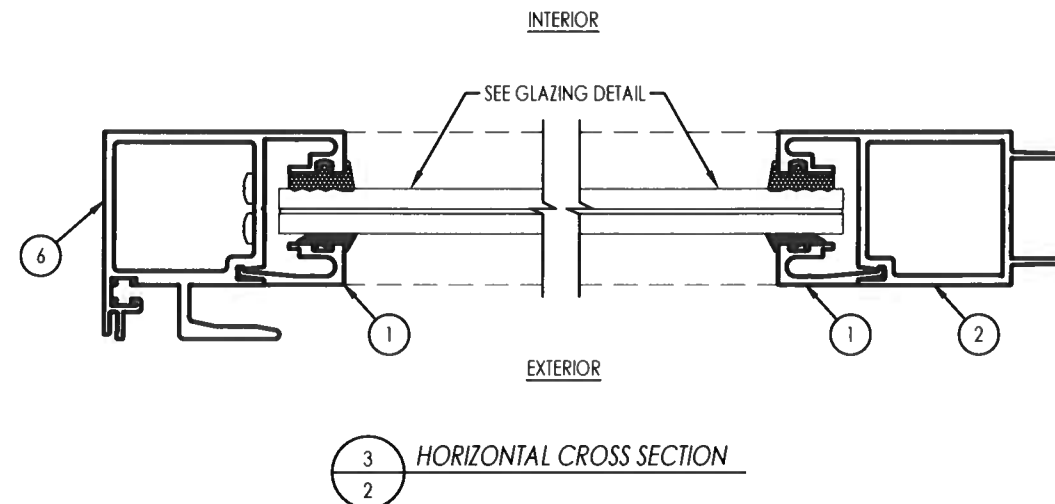
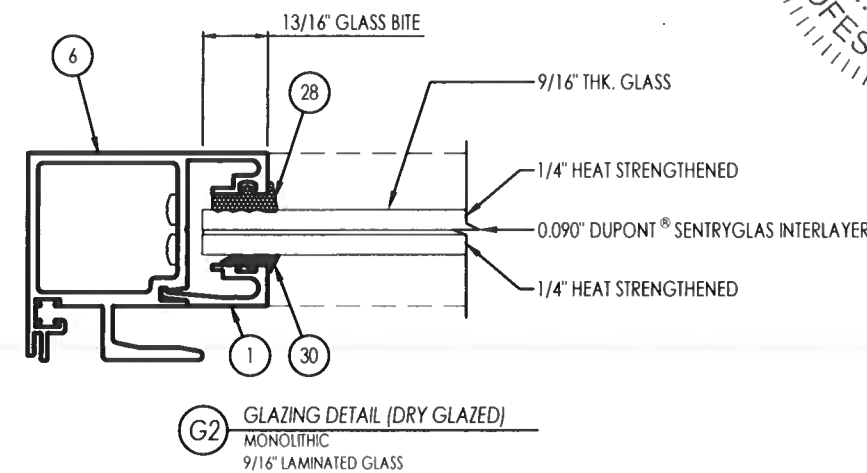
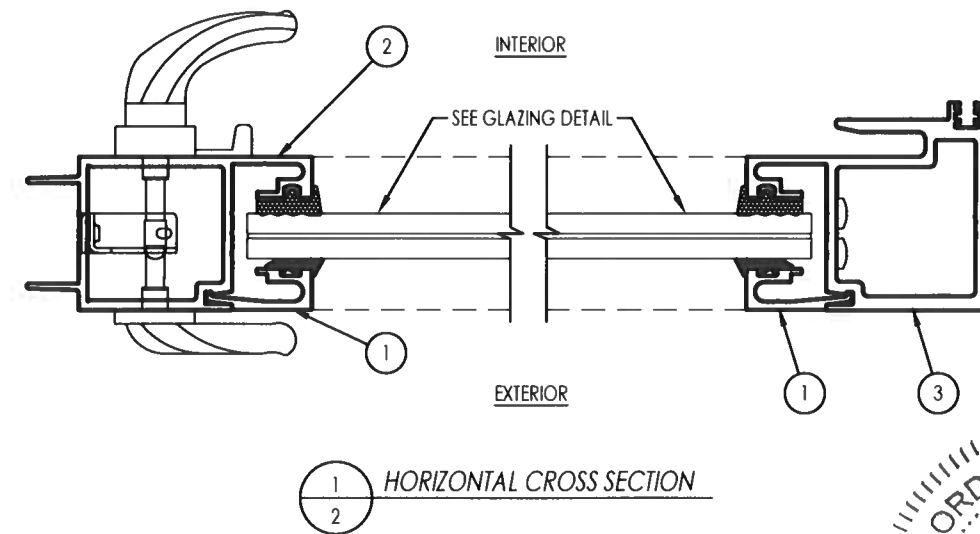
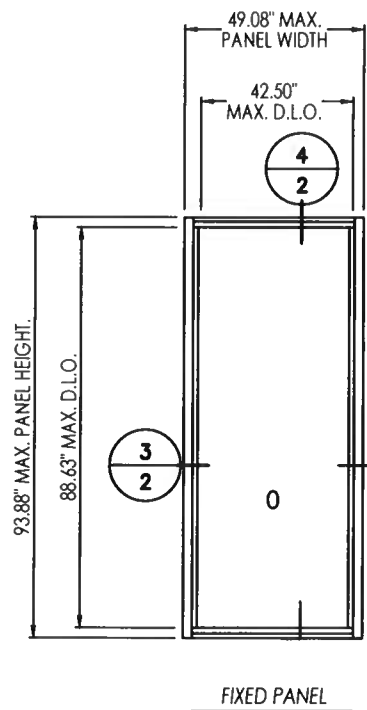
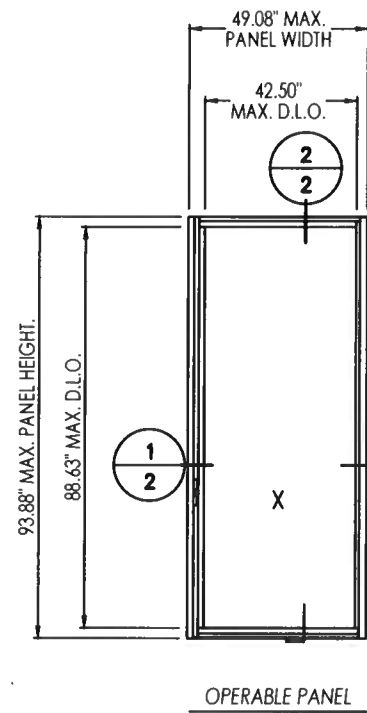
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.5

SHEET: 1 OF 12



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

SUN METALS

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

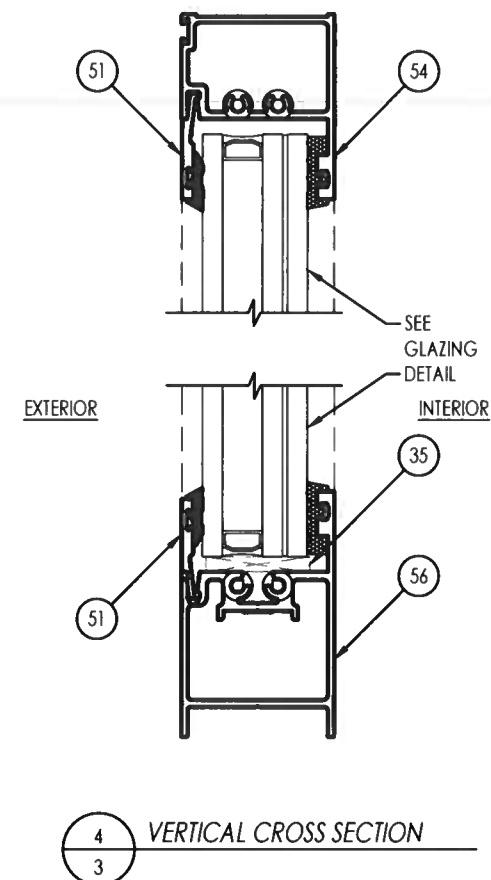
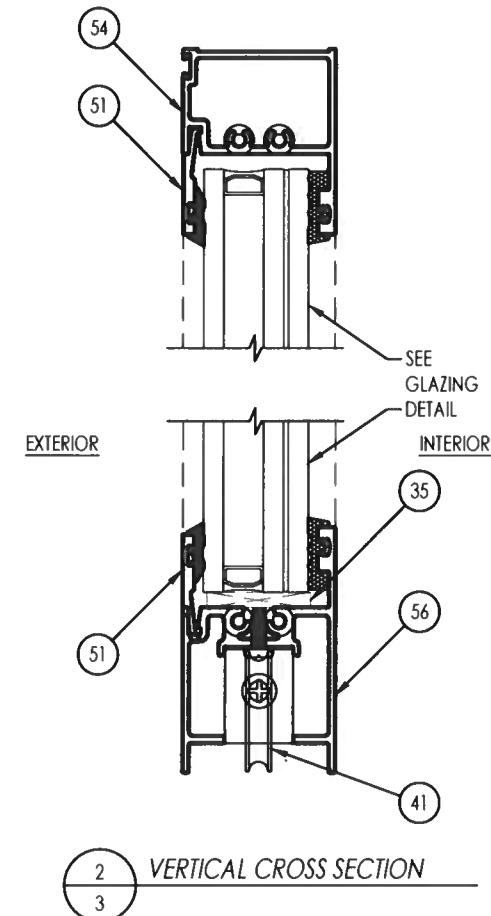
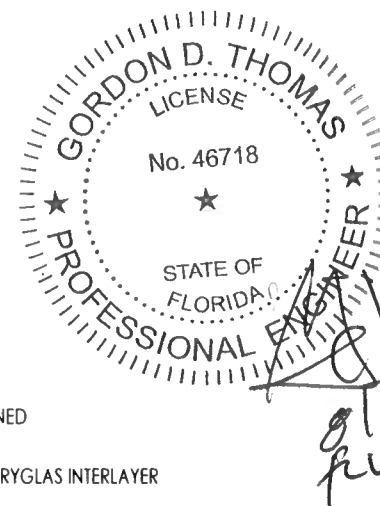
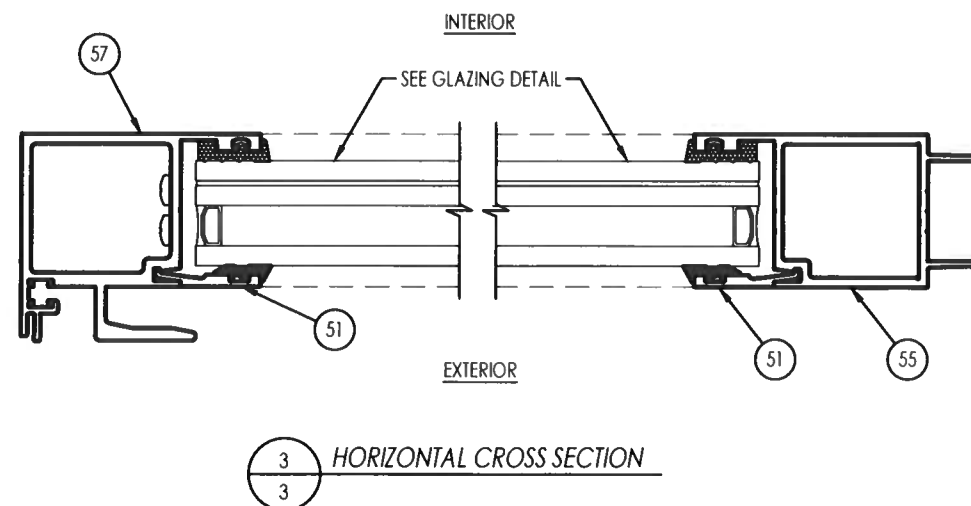
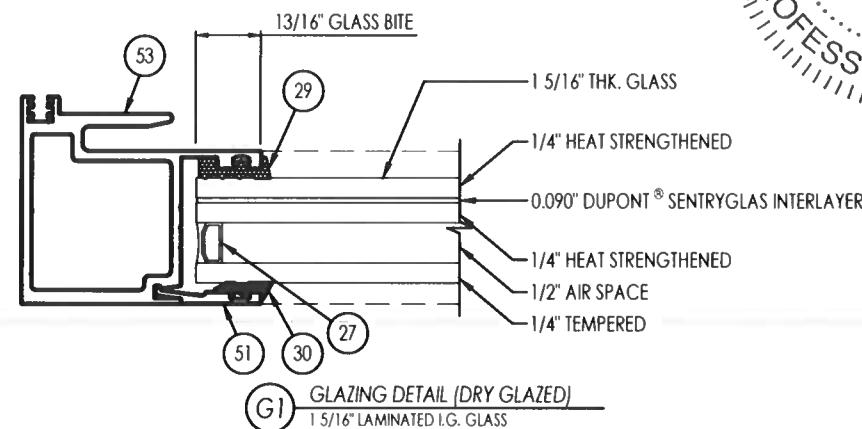
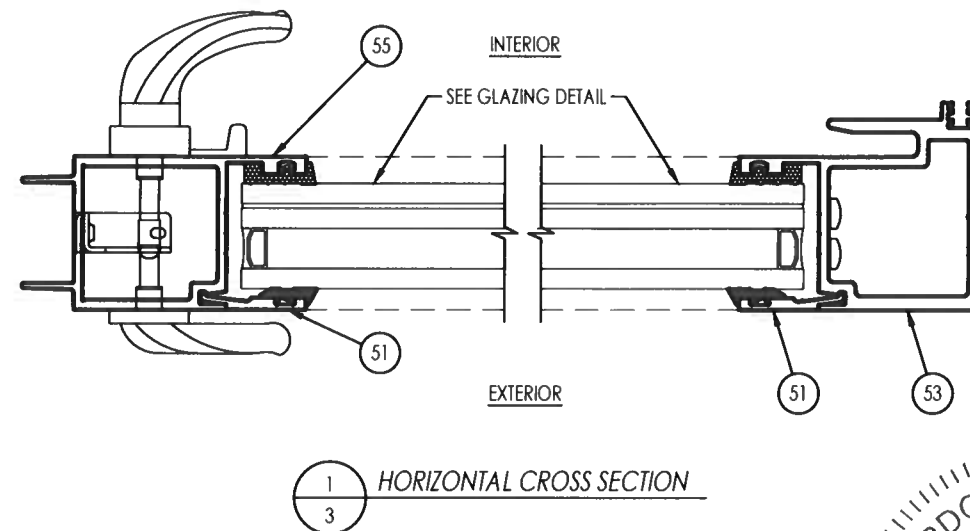
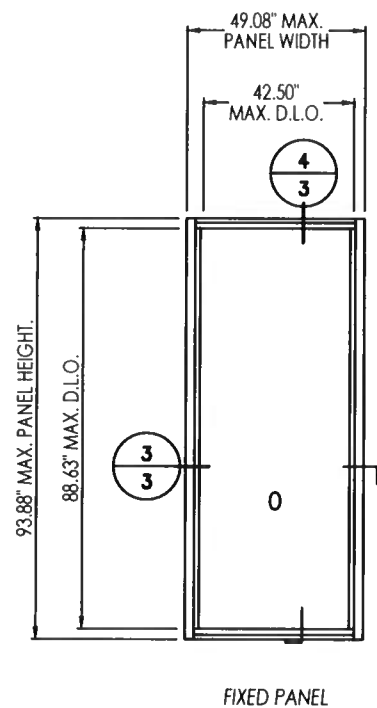
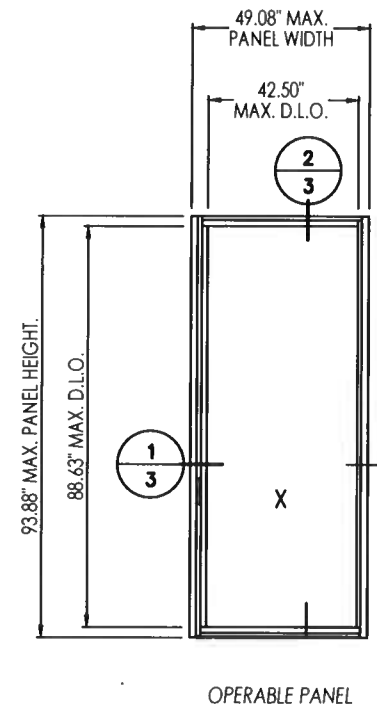
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.5

SHEET: **2** OF **12**





SUN METALS

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

PRODUCT:

SLIDING GLASS DOOR

PART OR ASSEMBLY:

DOOR PANEL DETAILS

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

DATE: 08/29/19

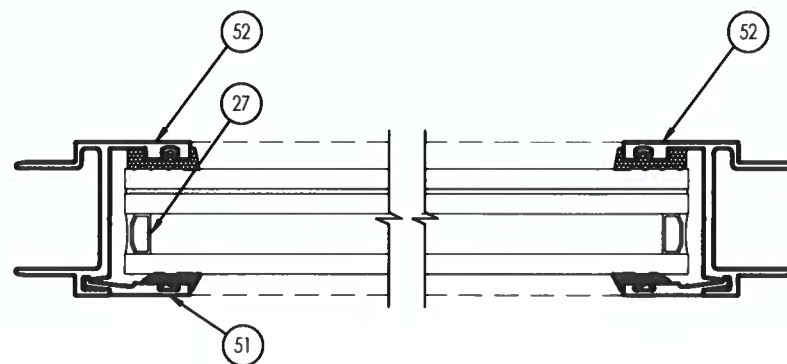
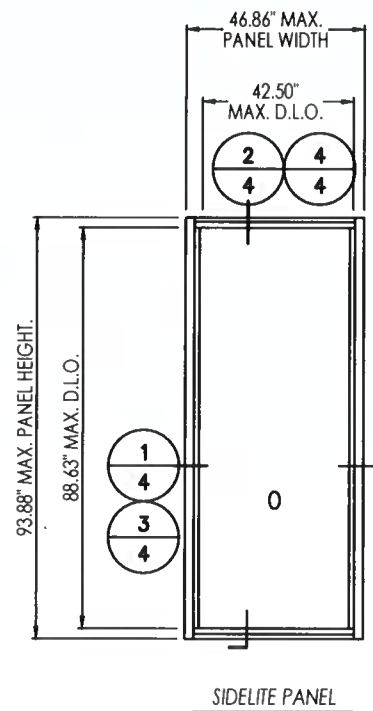
SCALE: NA

DWG. BY: CO

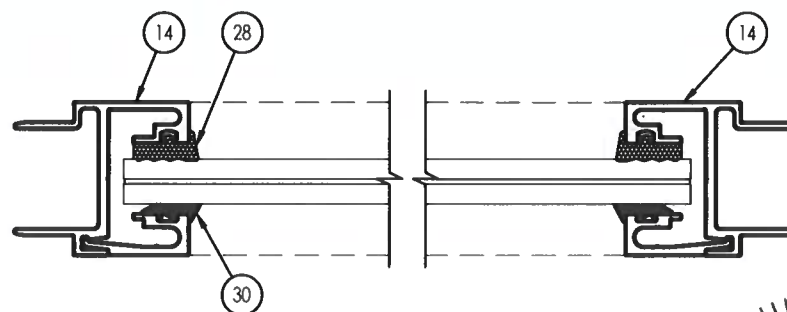
CHK BY: ECV

DRAWING NO.: FL-15903.5

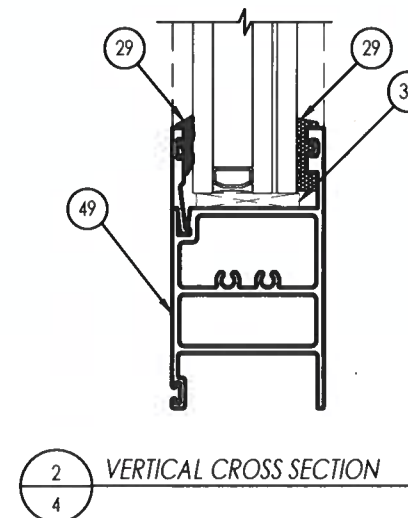
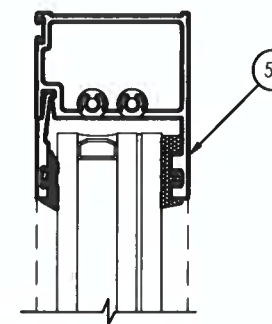
SHEET: **3** OF **12**



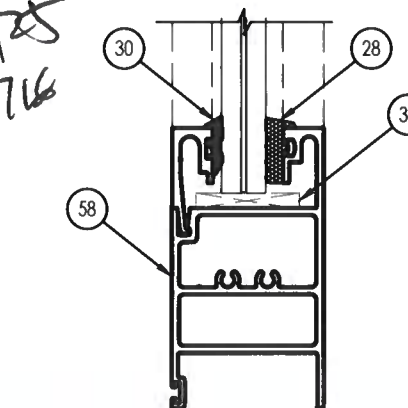
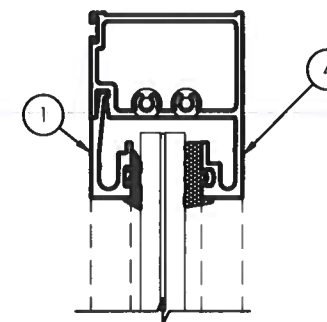
1 HORIZONTAL CROSS SECTION
4



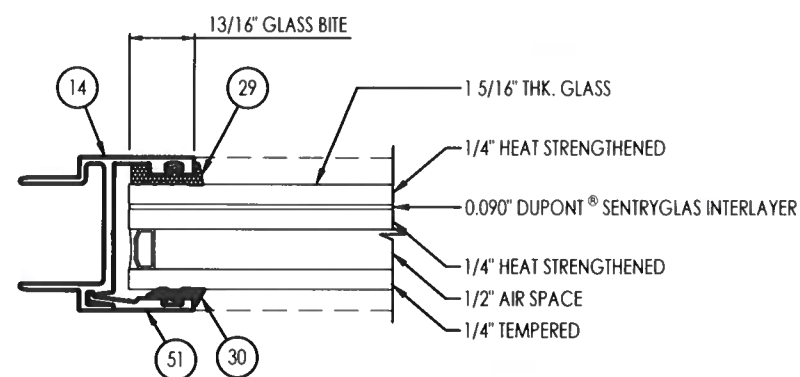
3 HORIZONTAL CROSS SECTION
4



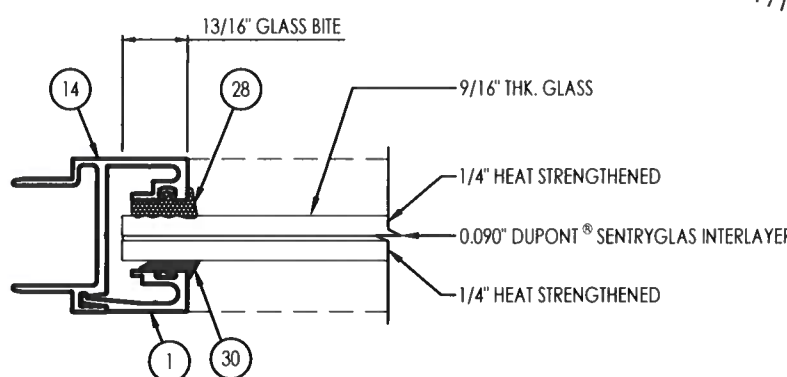
2 VERTICAL CROSS SECTION
4



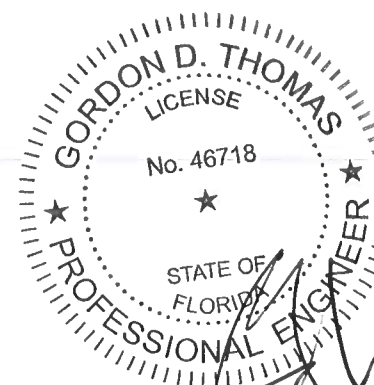
4 VERTICAL CROSS SECTION
4



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



G2 GLAZING DETAIL
MONOLITHIC
9/16" LAMINATED GLASS



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	
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

SCALE: NTS

DWG. BY: CO

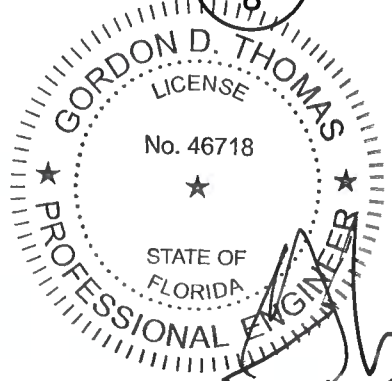
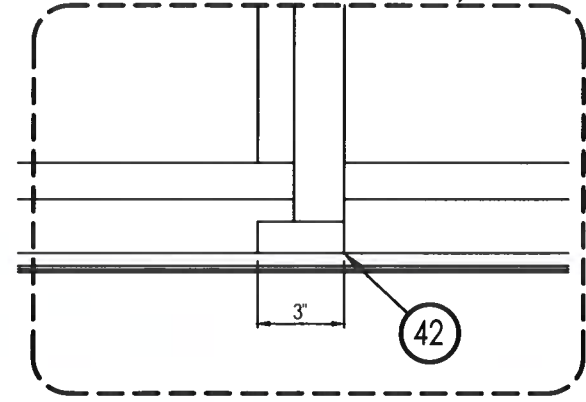
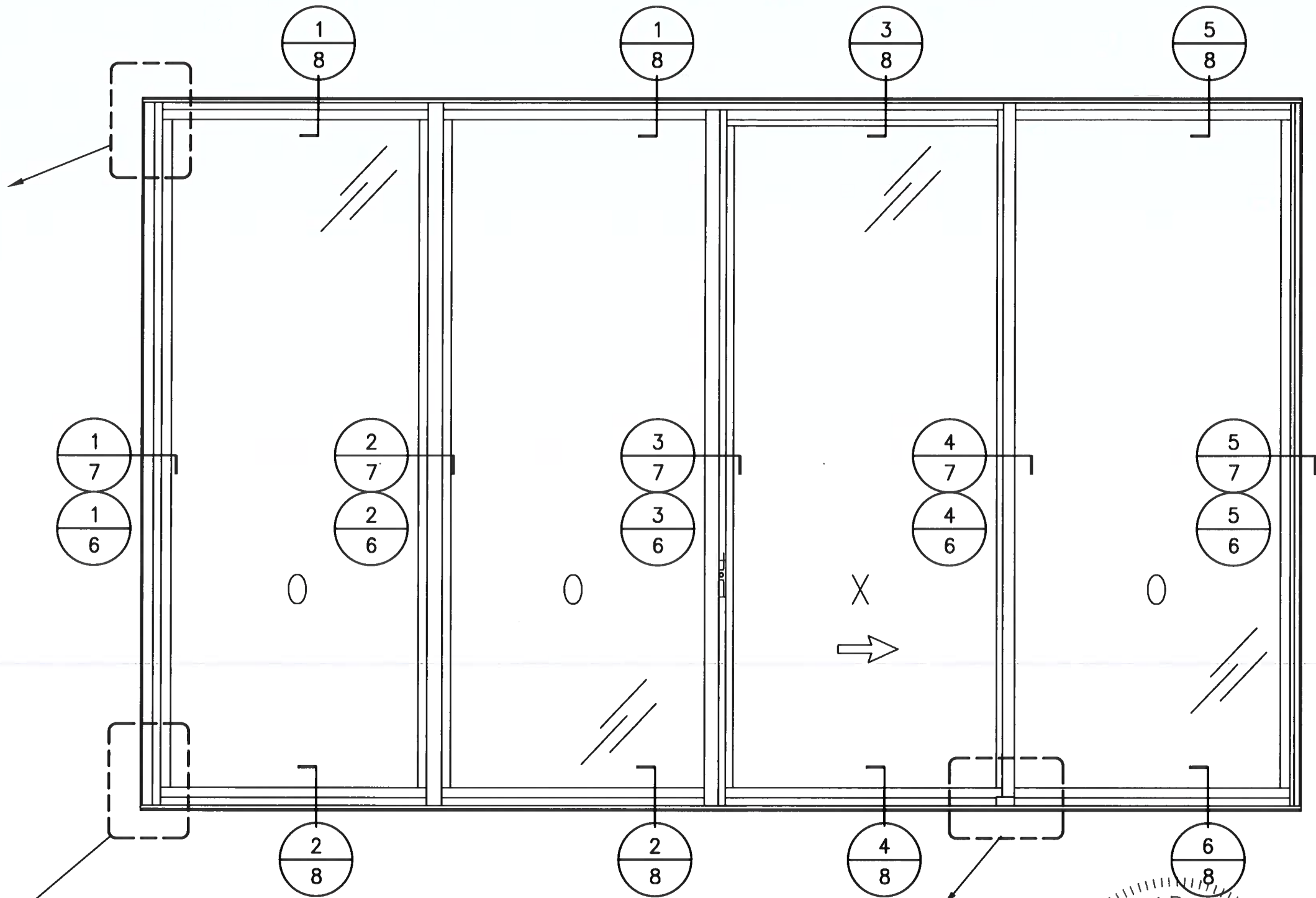
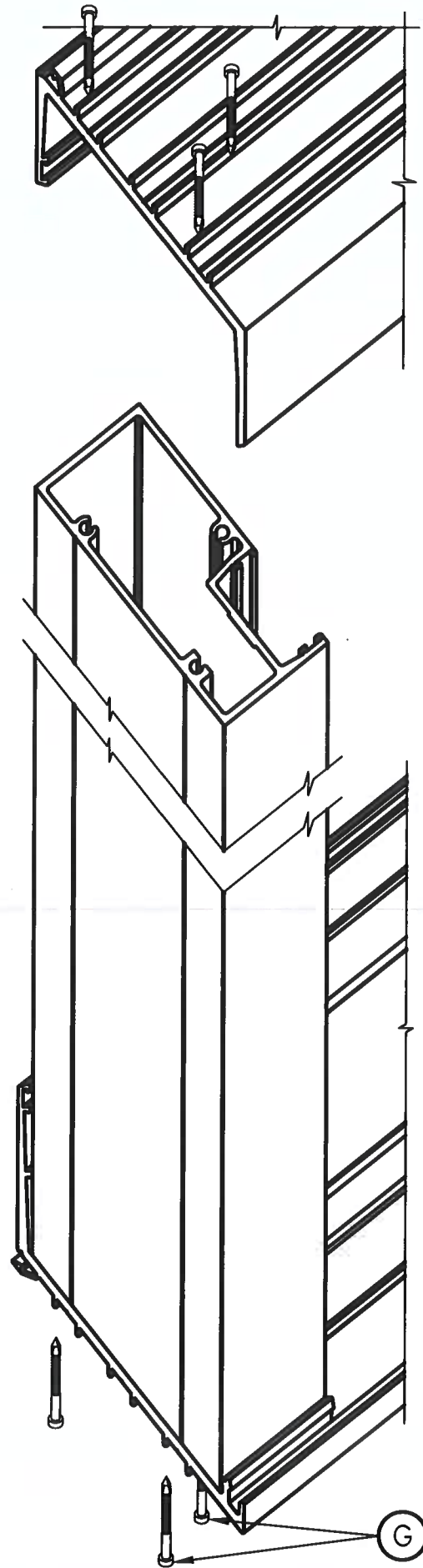
CHK BY: ECV

DRAWING NO.:
FL-15903.5

SHEET: 4 OF 12



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



8/11/25
FL 46718

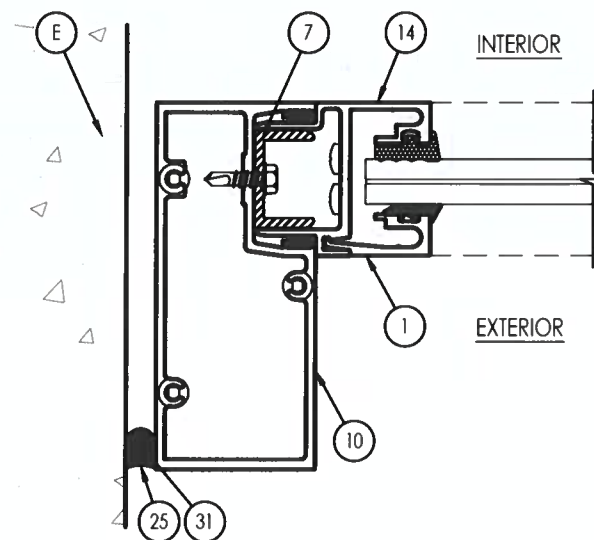
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



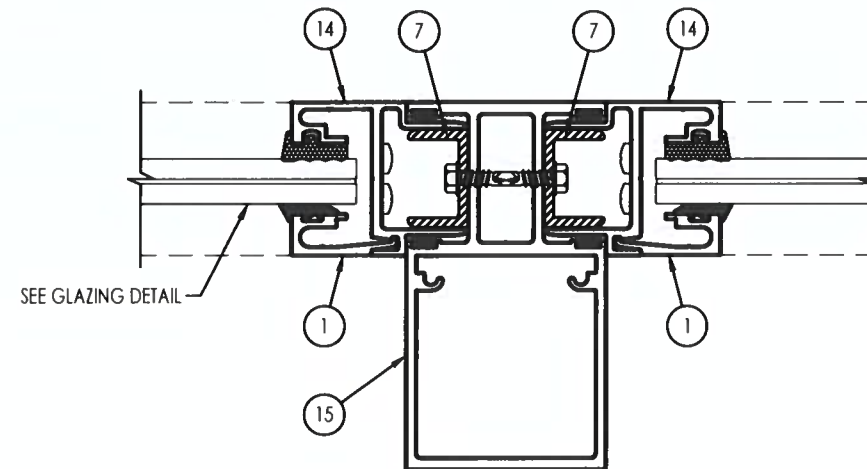
PRODUCT: SLIDING GLASS DOOR
PART OR ASSEMBLY: CORNER DETAILS

NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
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	

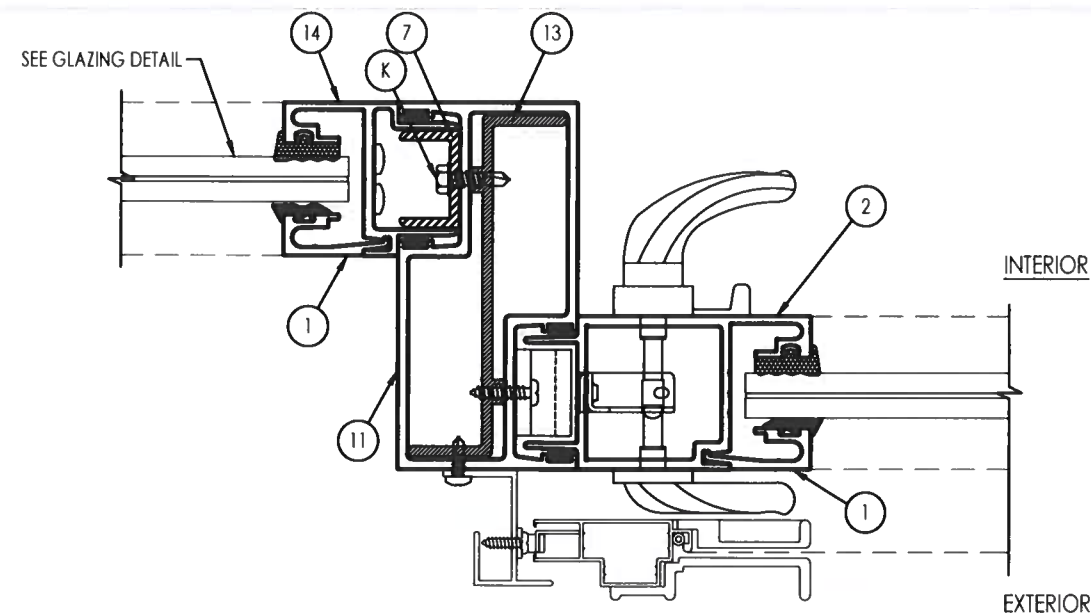
DATE: 08/09/19
SCALE: NTS
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15903.5
SHEET: 5 OF 12



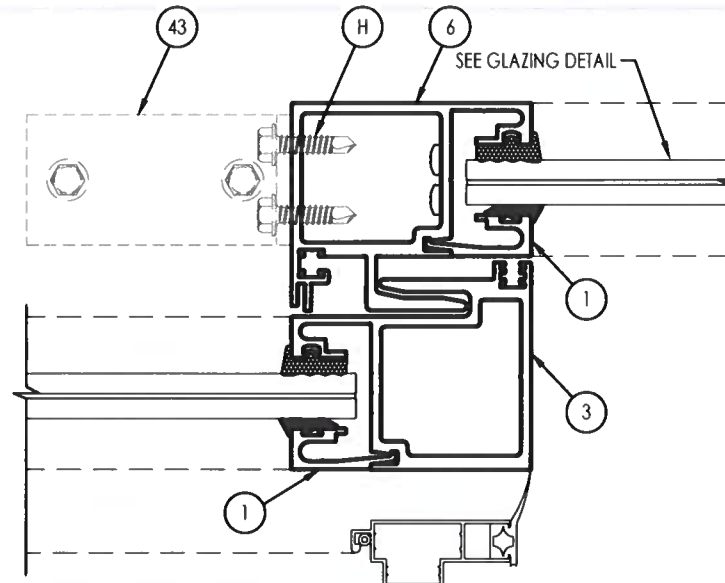
1
6 HORIZONTAL CROSS SECTION



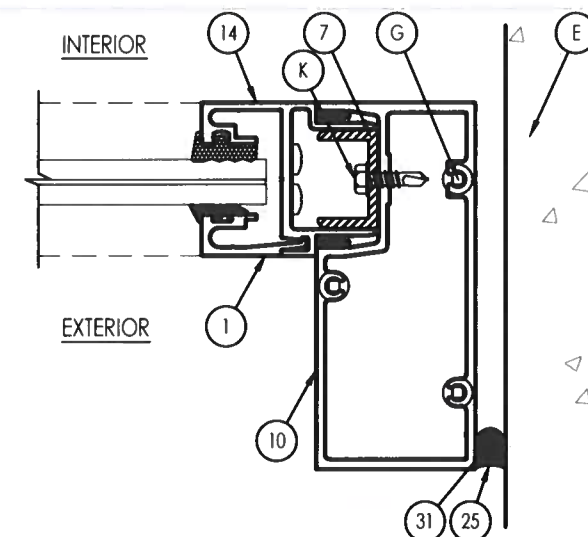
2
8 HORIZONTAL CROSS SECTION



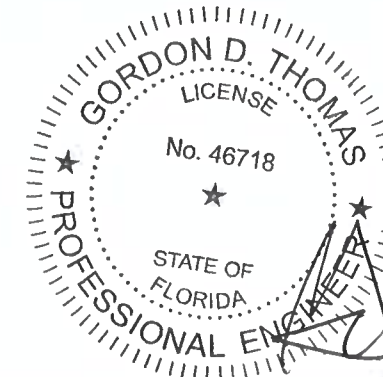
3
6 HORIZONTAL CROSS SECTION



4
6 HORIZONTAL CROSS SECTION



5
6 HORIZONTAL CROSS SECTION



8/11/25
FL 46718



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

PRODUCT:

SLIDING GLASS DOOR

PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

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

DATE: 08/09/19

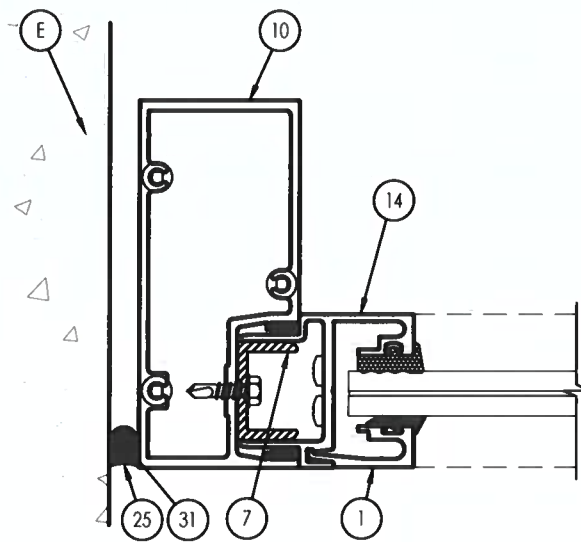
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.5

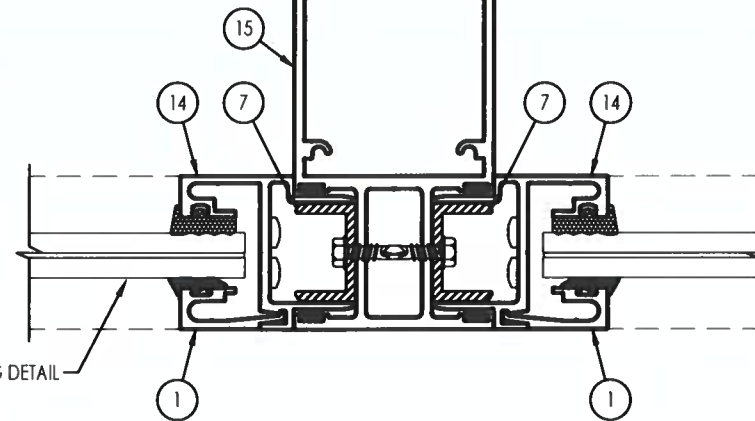
SHEET: 6 OF 12



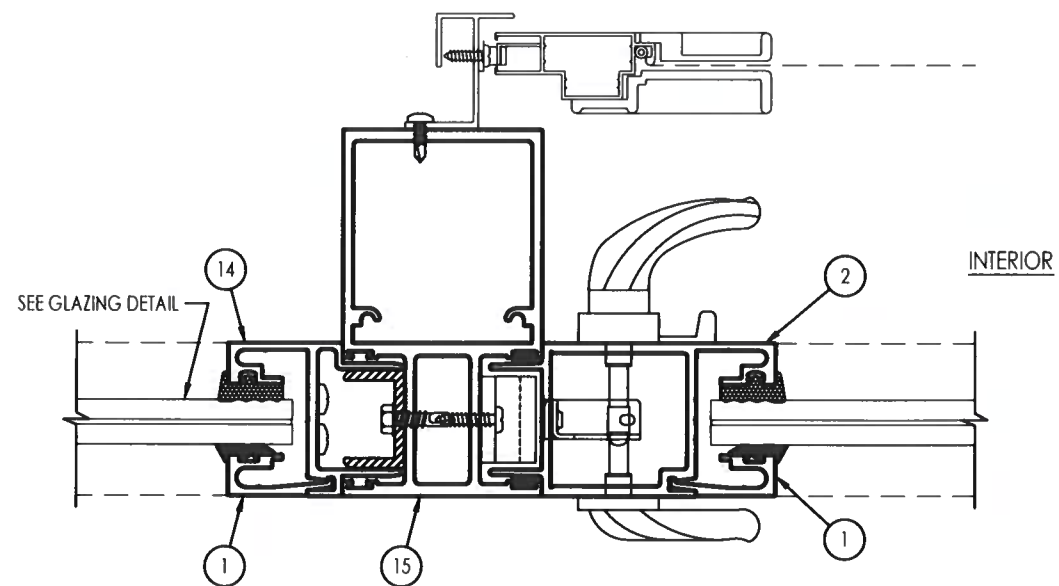
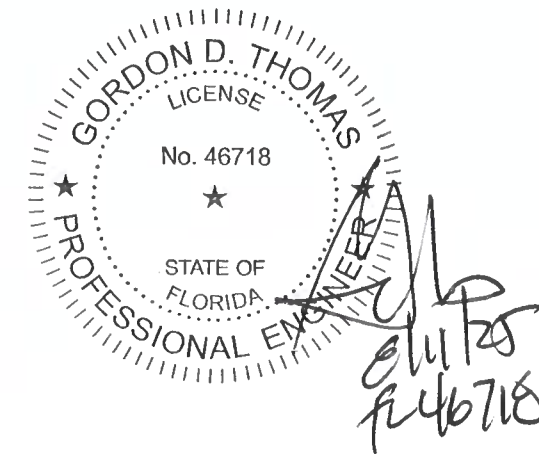
1 HORIZONTAL CROSS SECTION
7

INTERIOR

SEE GLAZING DETAIL
EXTERIOR



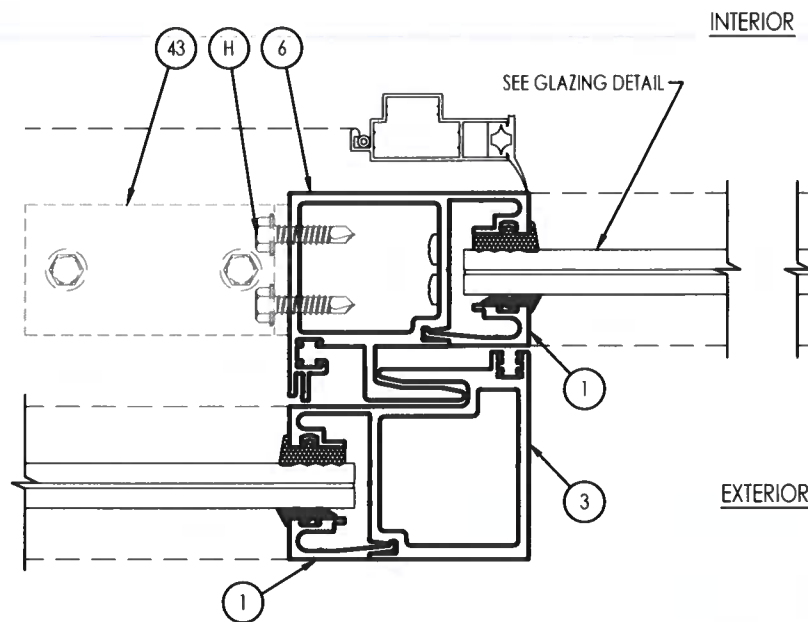
2 HORIZONTAL CROSS SECTION
7



3 HORIZONTAL CROSS SECTION
7

INTERIOR

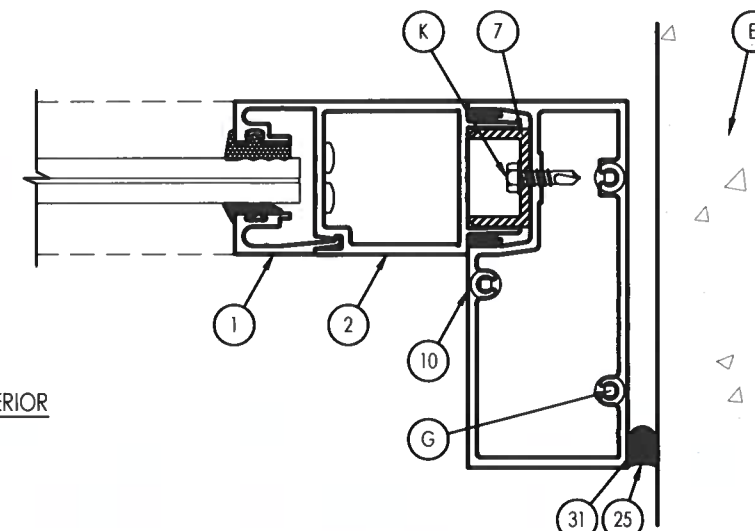
EXTERIOR



4 HORIZONTAL CROSS SECTION
7

INTERIOR

EXTERIOR



5 HORIZONTAL CROSS SECTION
7

PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

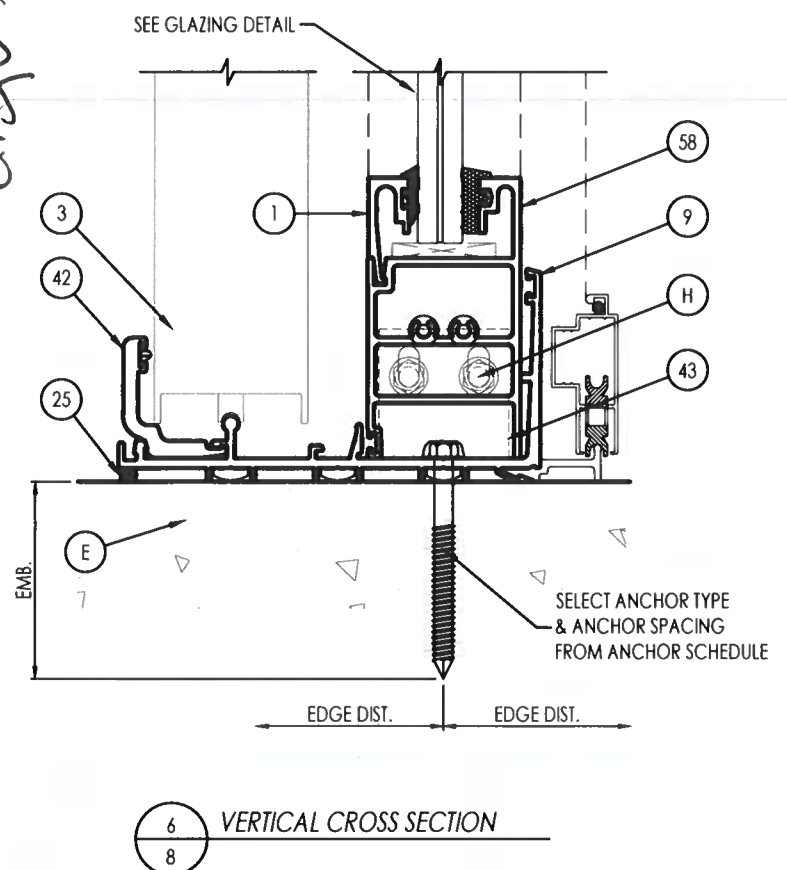
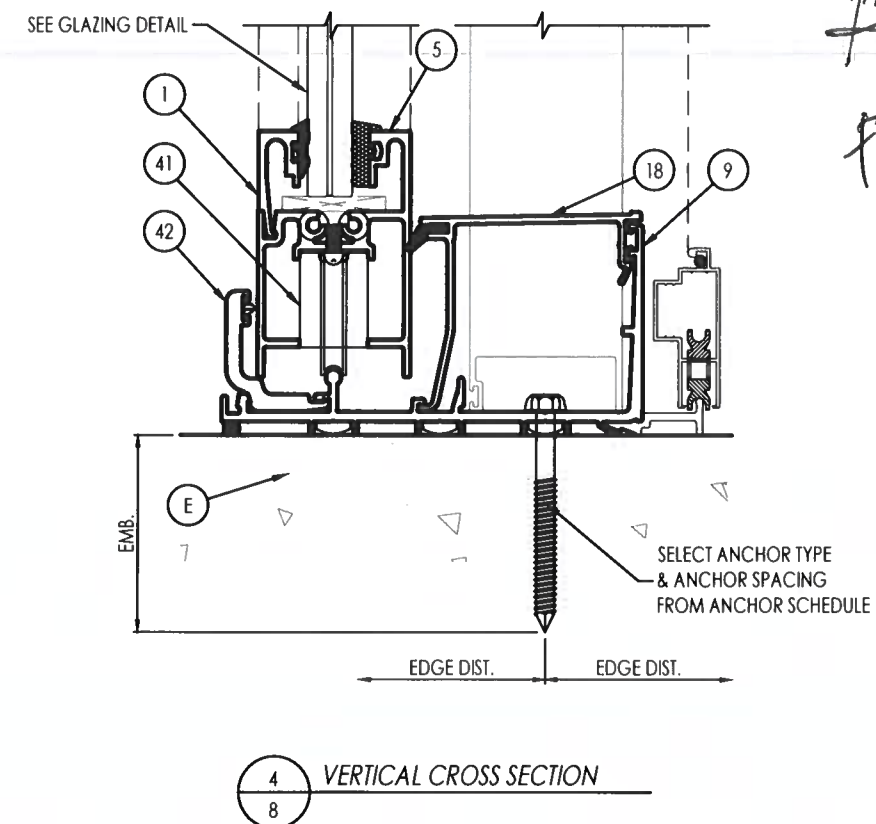
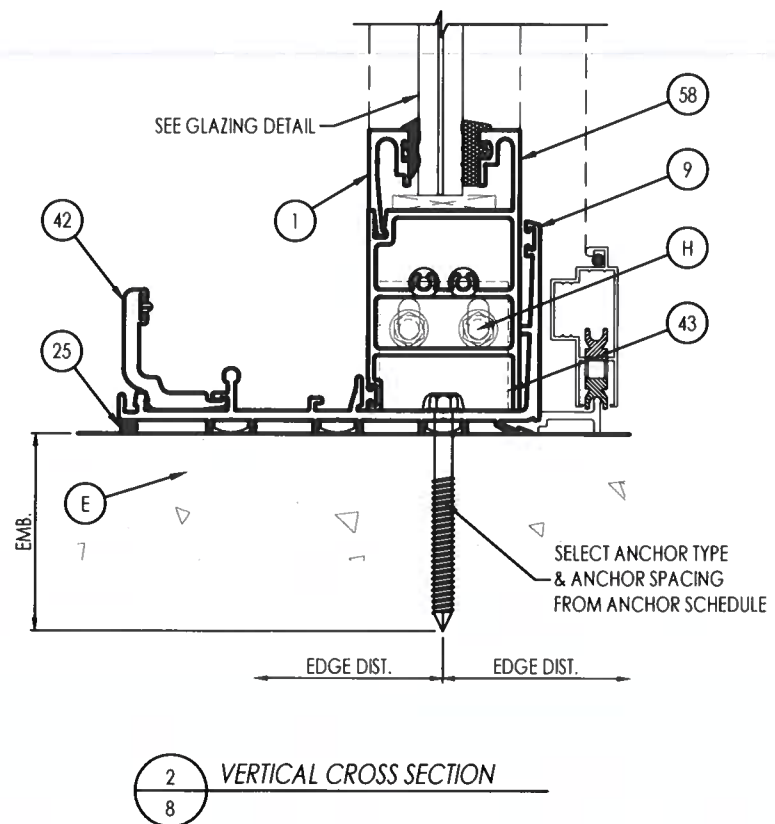
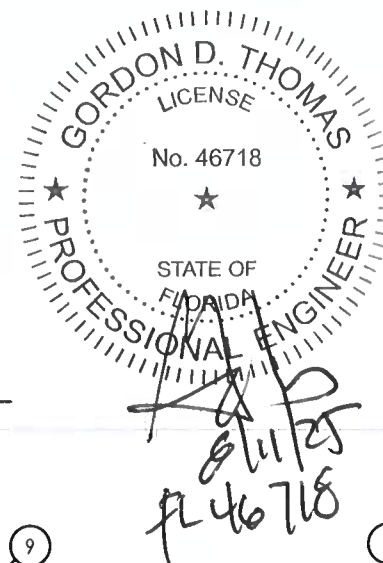
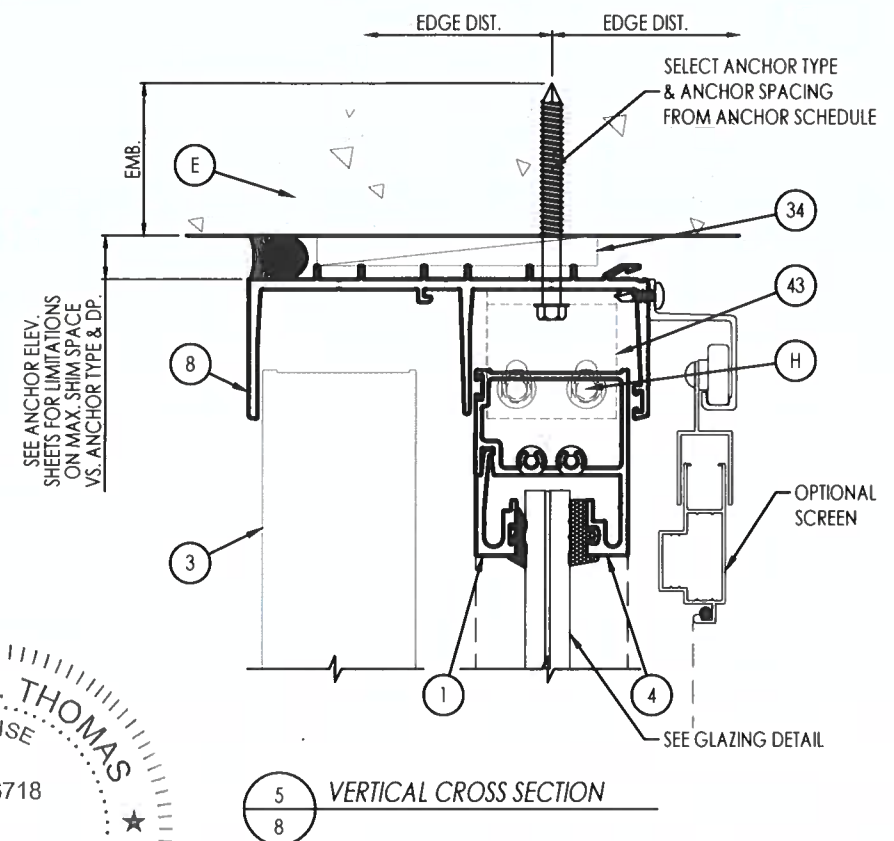
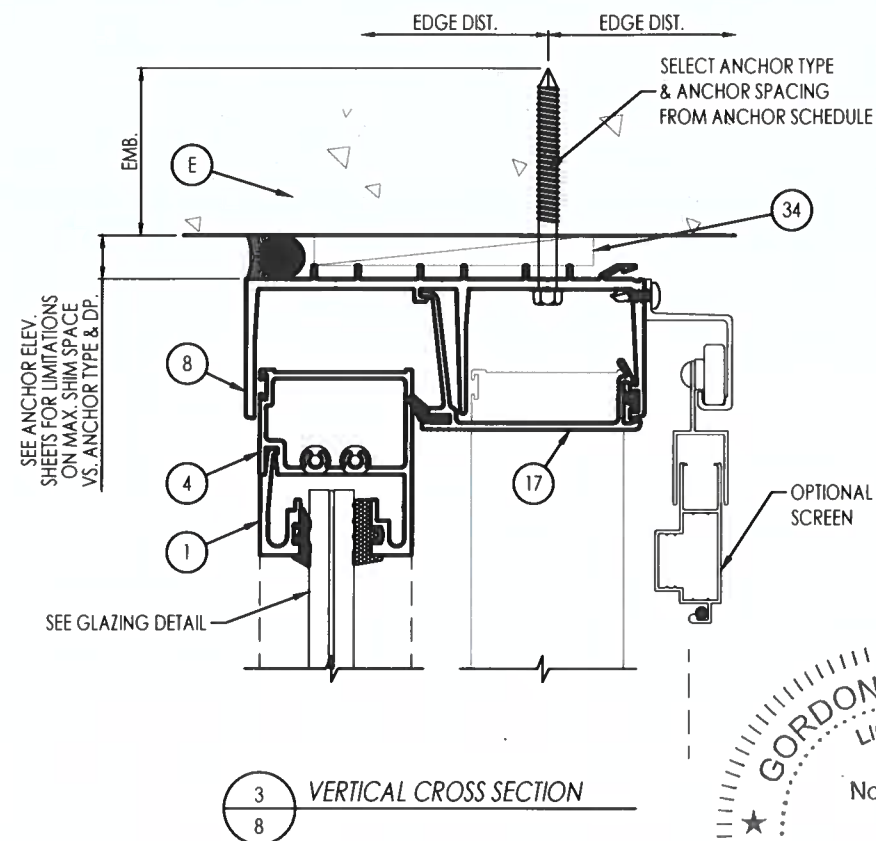
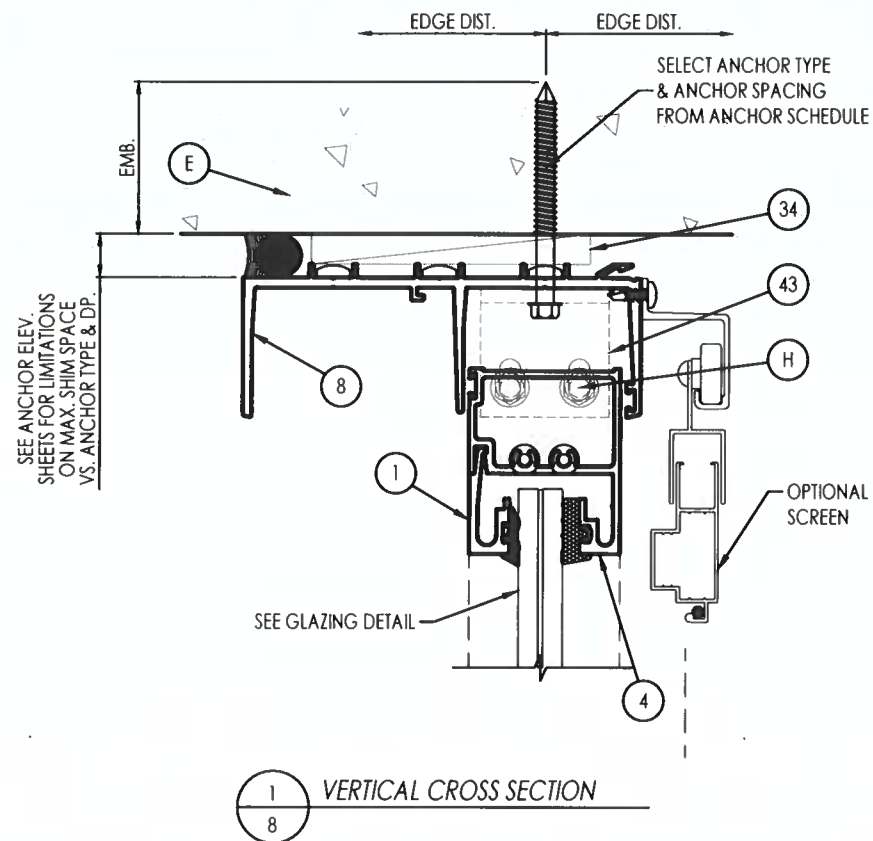
CHK BY: ECV

DRAWING NO.:
FL-15903.5

SHEET: 7 OF 12

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





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

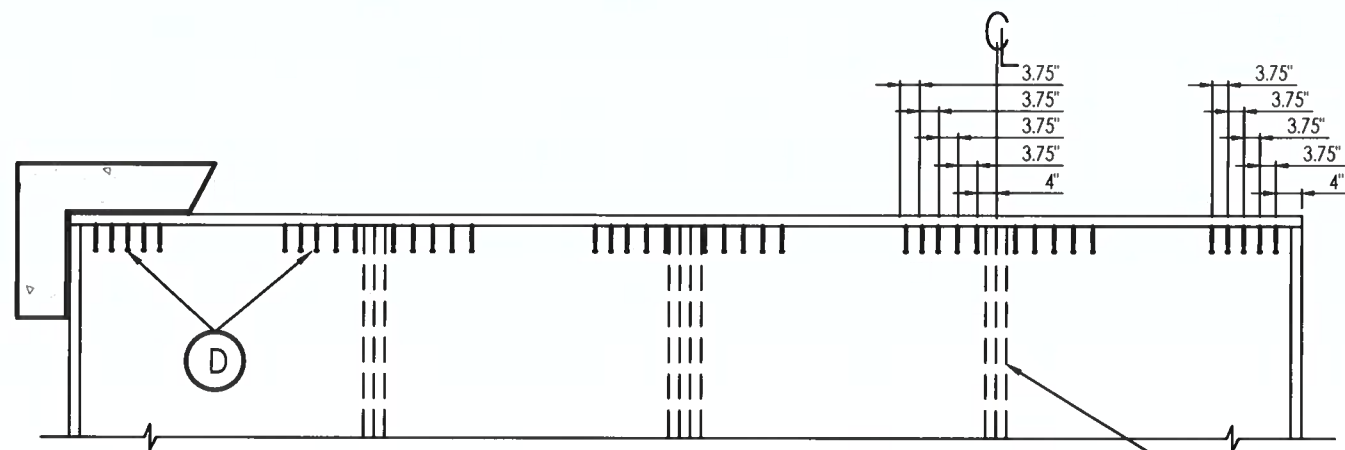
SCALE: NTS

DWG. BY: CO

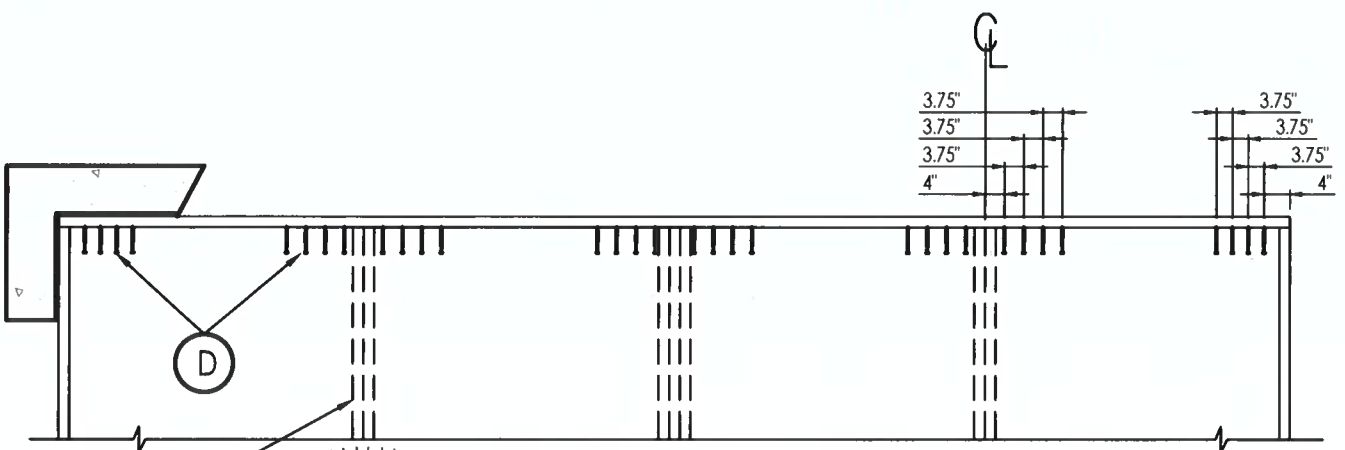
CHK BY: ECV

DRAWING NO.:
FL-15903.5

SHEET: 8 OF 12

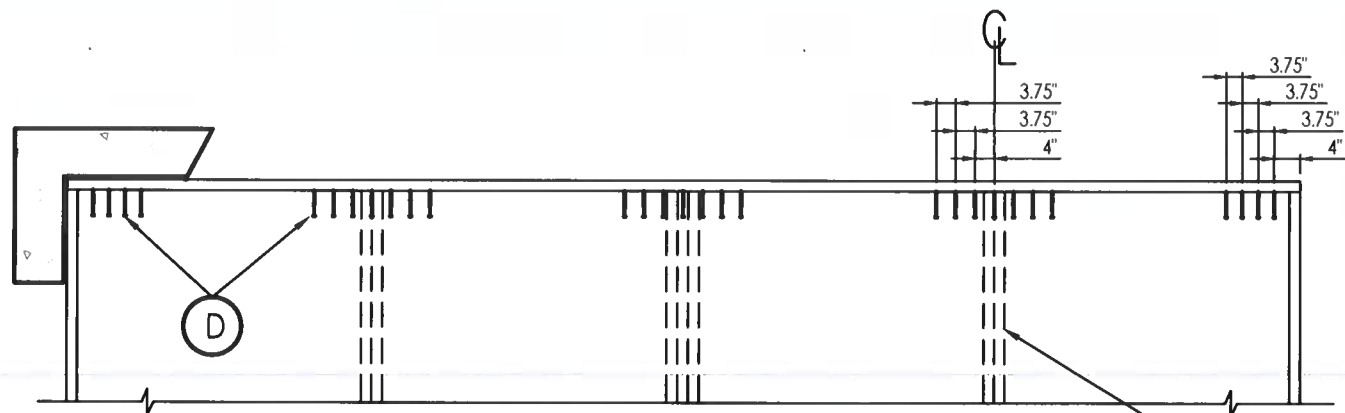


FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .625

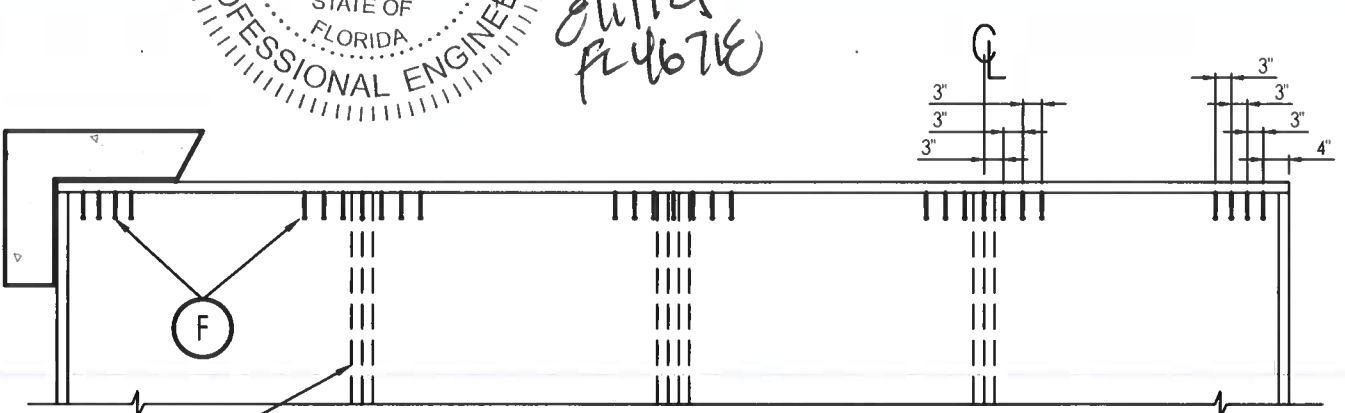


FRAME ANCHORING @ HEAD
 DP <= 135 PSF
 Max. shim space <= .25

MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY

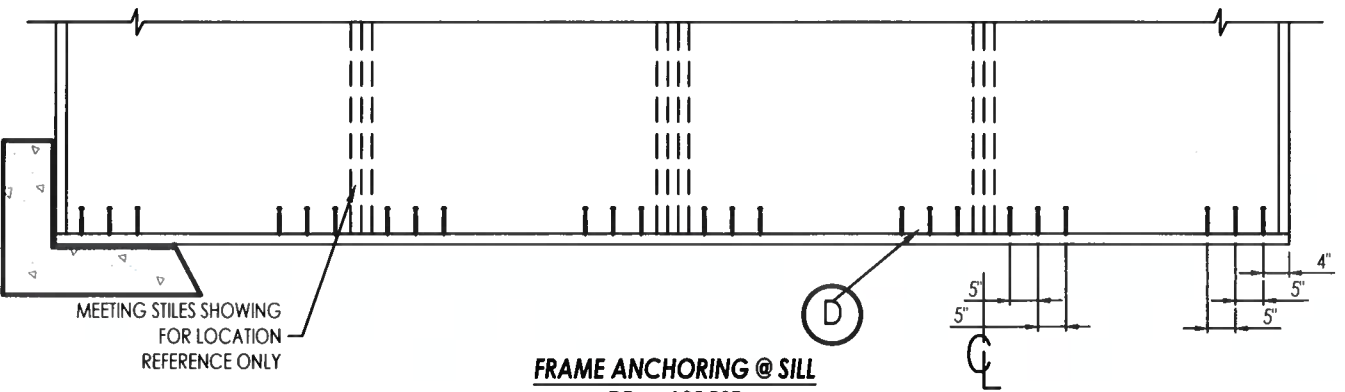
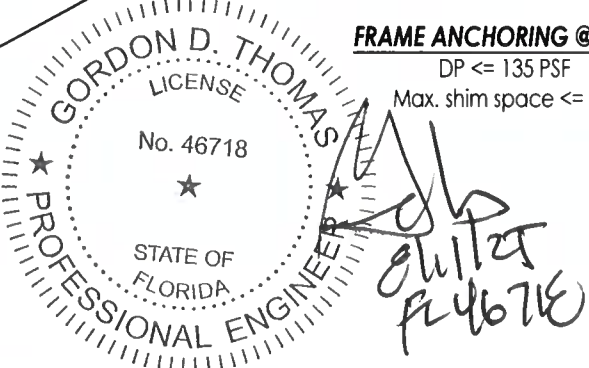


FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .41



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

MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY



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

MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY

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.

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



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

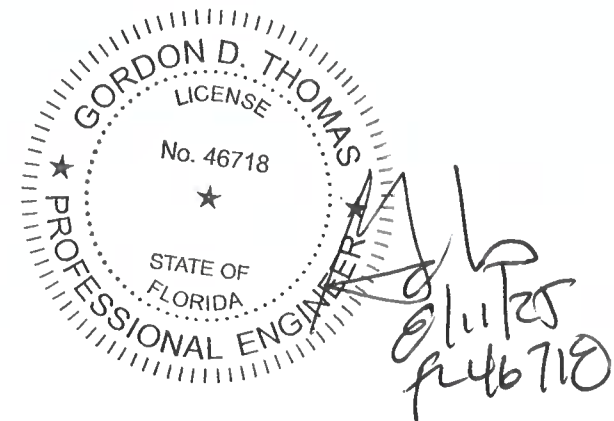
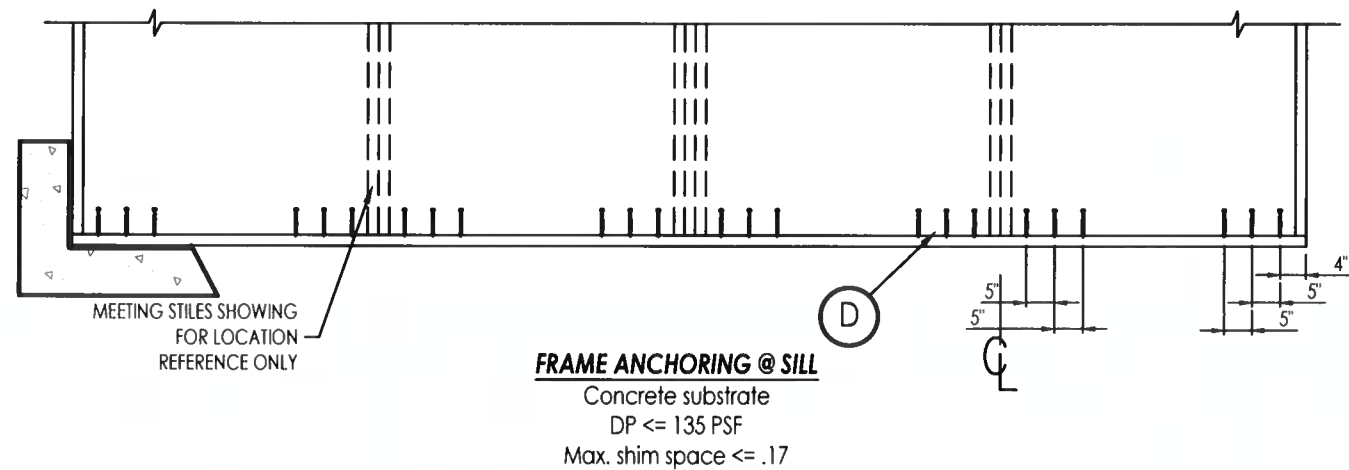
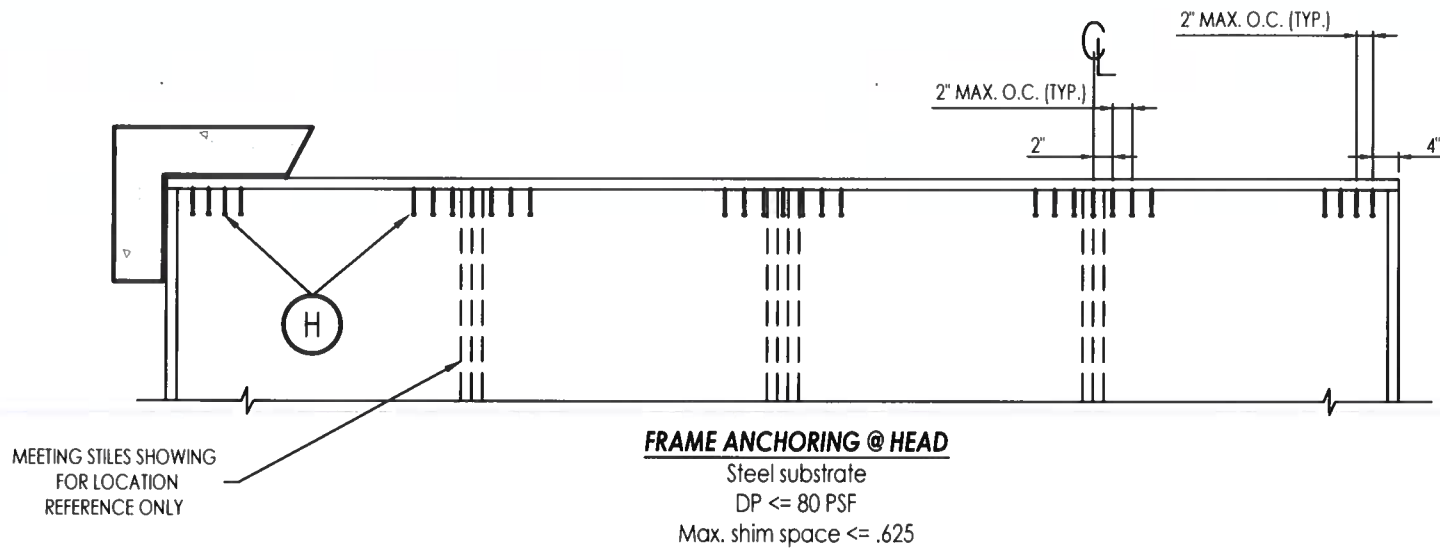
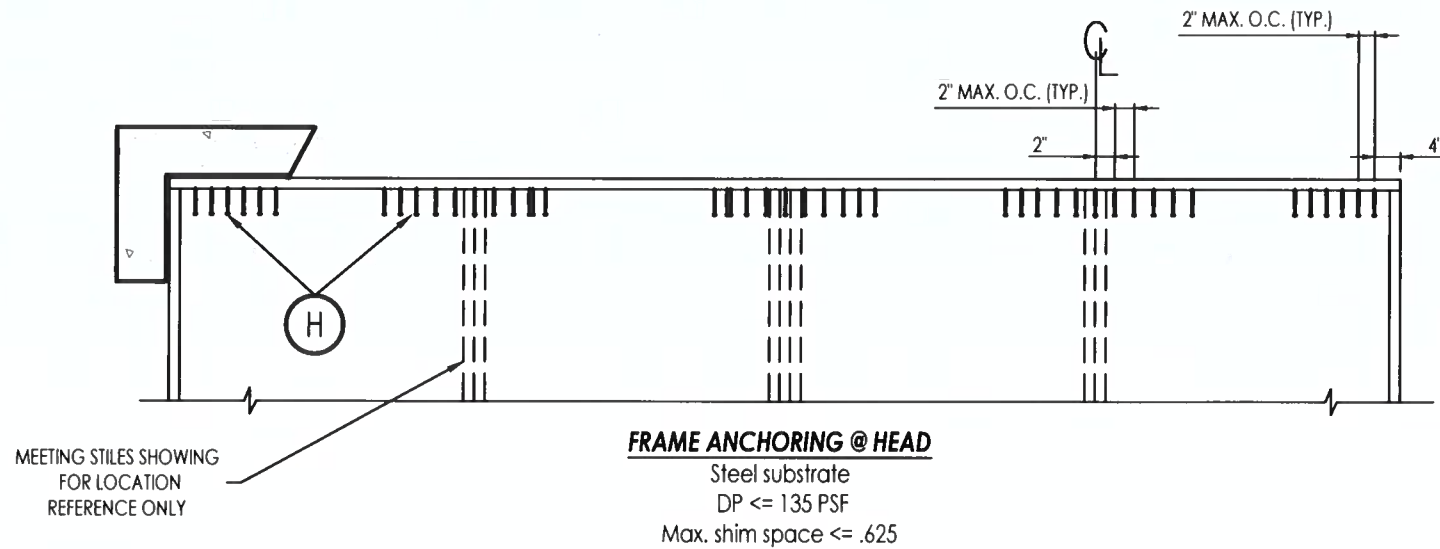
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
 FL-15903.5

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	
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-15903.5			
SHEET: 10 OF 12			

[illegible]

DATE: 08/09/19
SCALE: NTS
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15903.5
SHEET: 11 OF 12

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

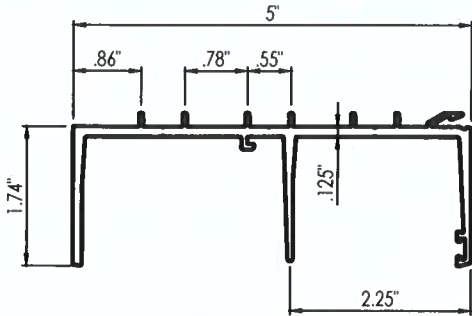
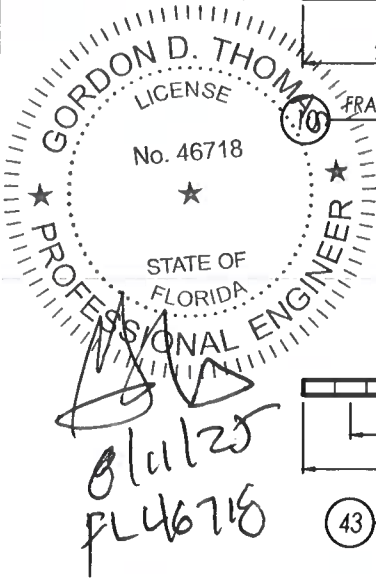


BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	5/16" x 2-3/4" HWH ITW TAPCON XL CONCRETE ANCHOR	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/8" x 2-1/2" ITW DYNABOLT SLEEVE ANCHOR	STEEL
G	#10 x 1-1/2" SQ-PH ASSEMBLY SCREW	STL. STEEL
H	1/4-20 HWH HILTI KWIK-FLEX SELF DRILLING SCREW	STEEL
K	#10 x 3/4" HH SELF 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 (WS001) 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 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 (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

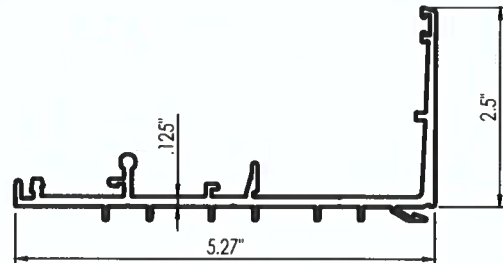
30 WEDGE GASKET

28 PRE-SET GASKET

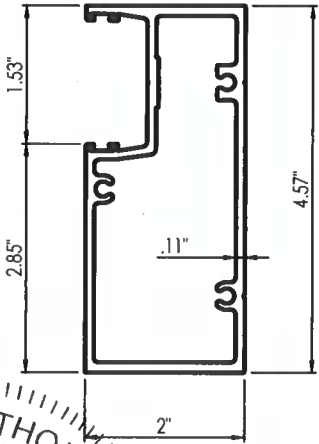
29 PRE-SET GASKET



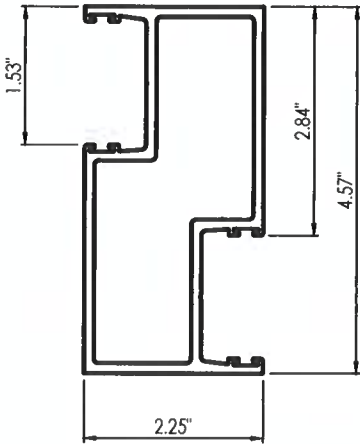
8 FRAME HEAD



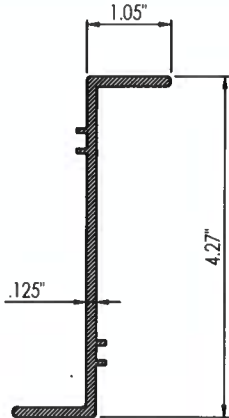
9 FRAME SILL



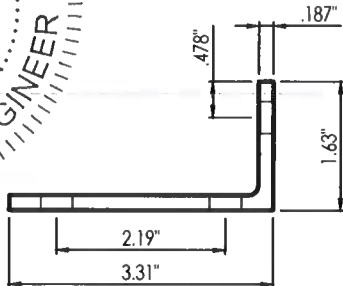
10 FRAME JAMB



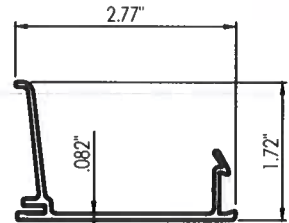
11 OXO ADAPTOR



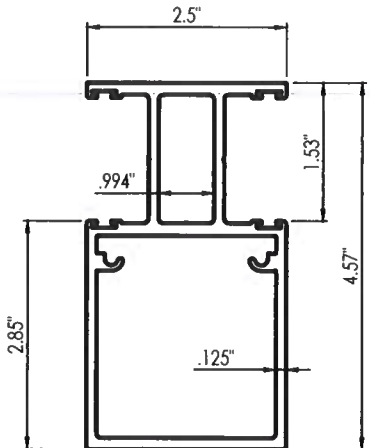
13 OXO REINFORCEMENT



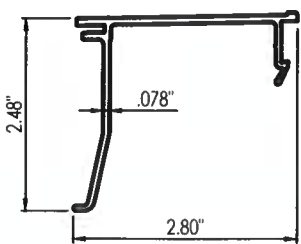
43 TOE ANCHOR



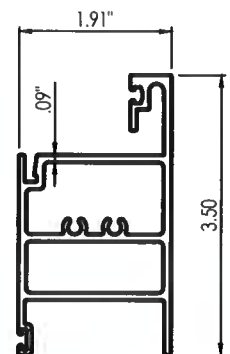
17 FRAME HEAD POCKET COVER



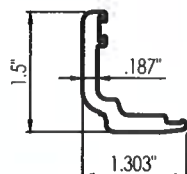
15 XX ADAPTOR



18 FRAME SILL POCKET COVER



58 BOTTOM RAIL - FIXED PANEL
9/16" GLASS



42 REACTION CLIP

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	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-15903.5
SHEET: 12 OF 12