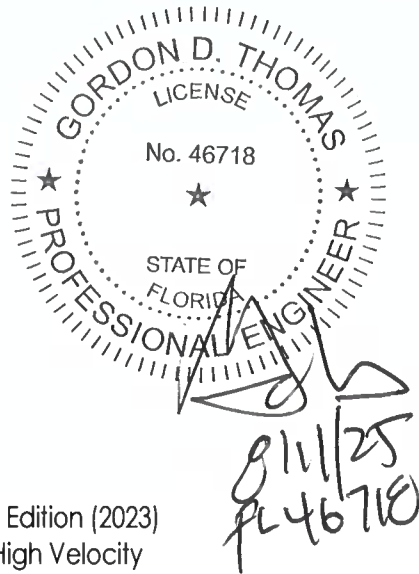




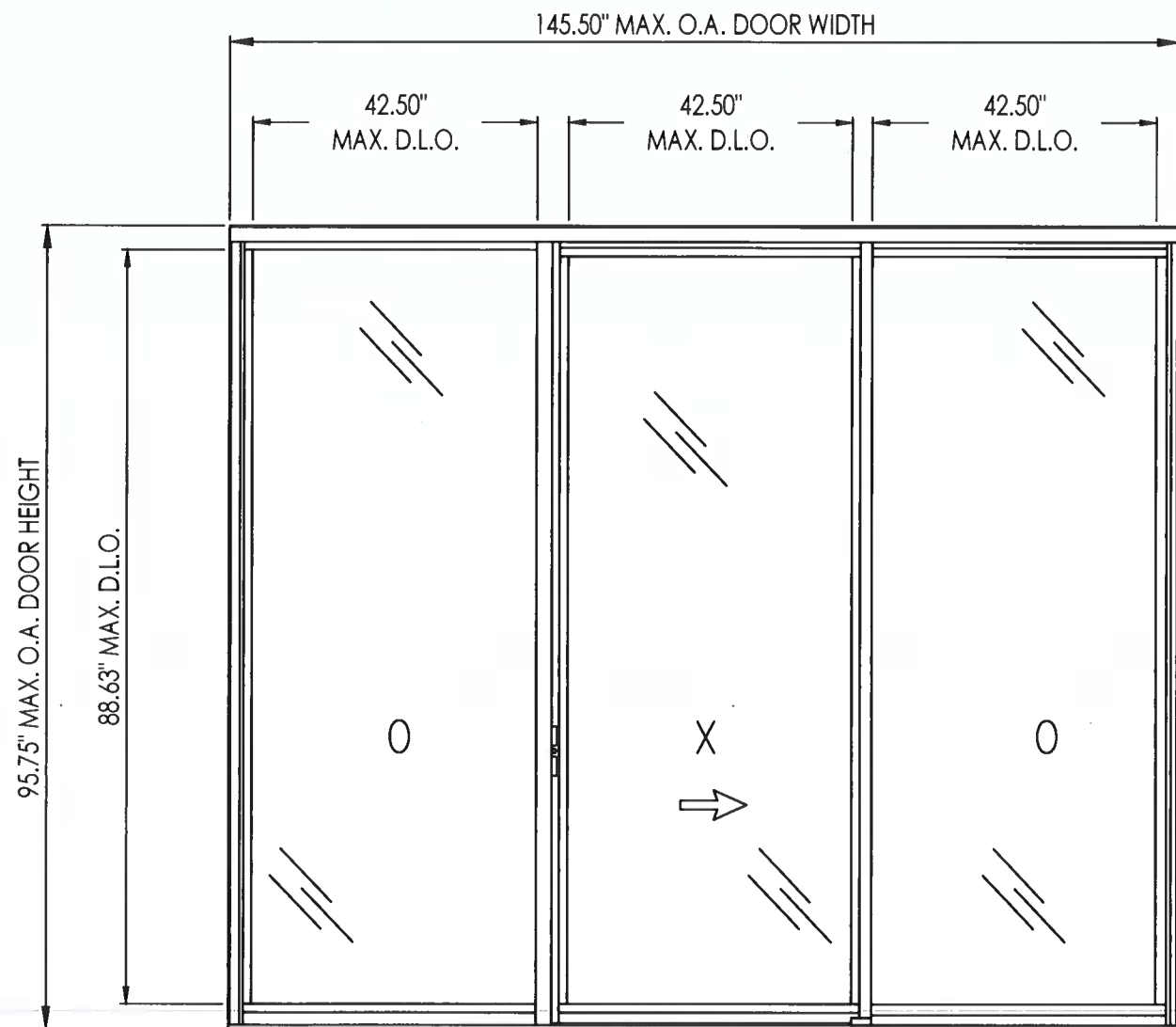
SUNDOR 5000
SLIDING GLASS DOOR
"LARGE MISSILE IMPACT"



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	VERTICAL CROSS SECTIONS
8	ANCHORING - CONCRETE SUBSTRATE
9	ANCHORING - STEEL SUBSTRATE
10	COMPONENTS
11	BILL OF MATERIALS & COMPONENTS



O.A. FRAME DIMENSION	D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
145.50" x 95.75"	42.50" x 88.63"	G1	115.0	135.0
145.50" 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

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

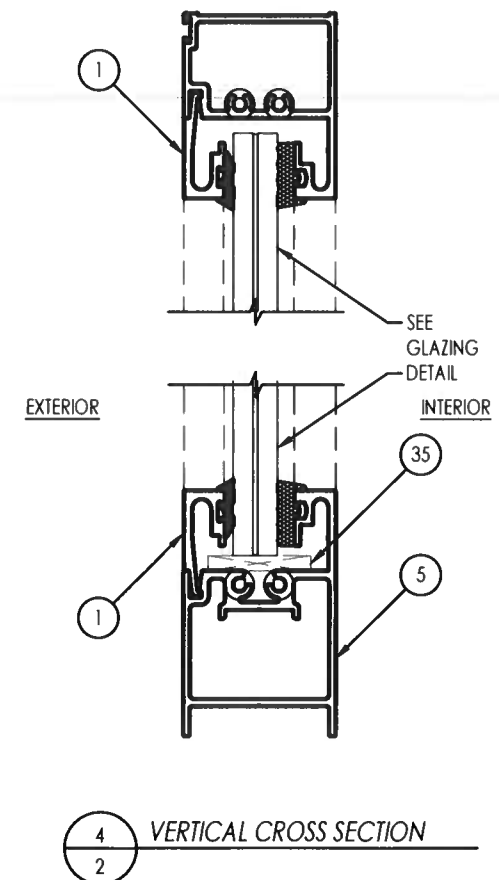
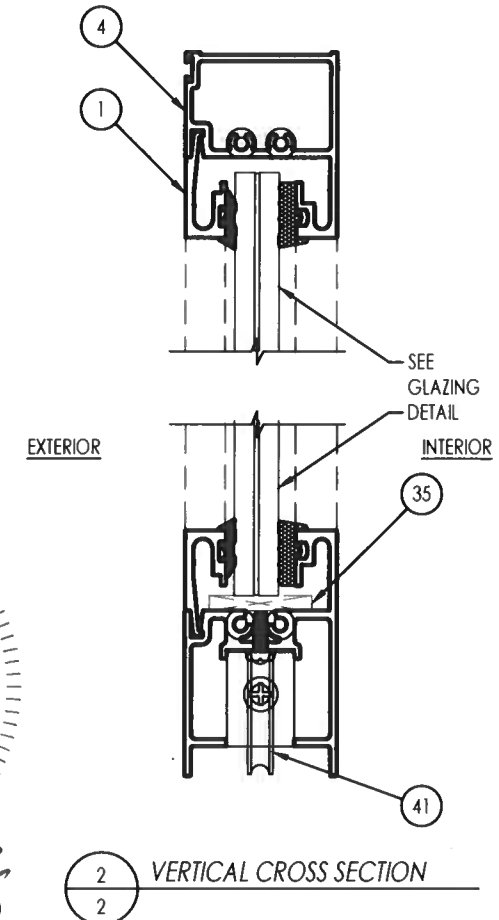
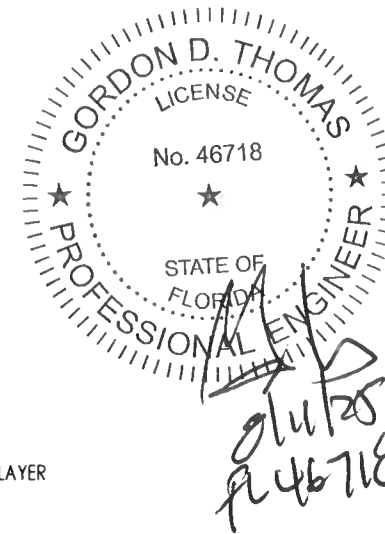
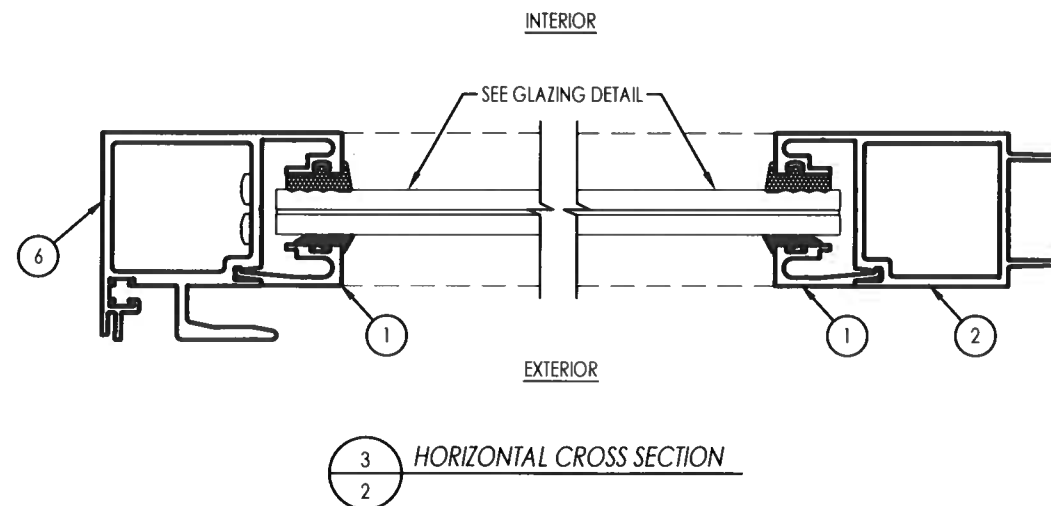
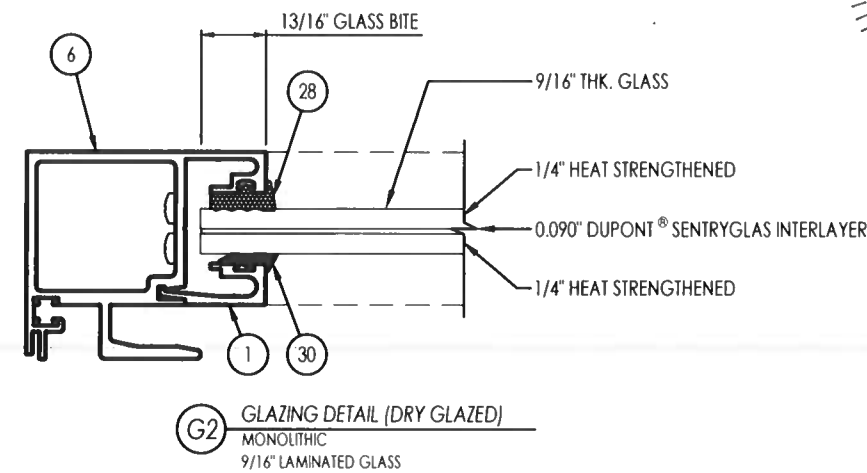
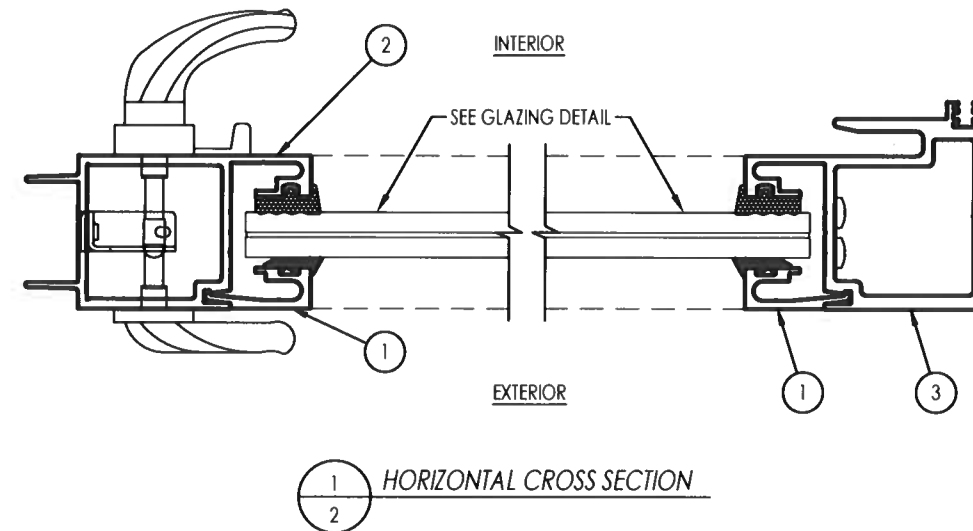
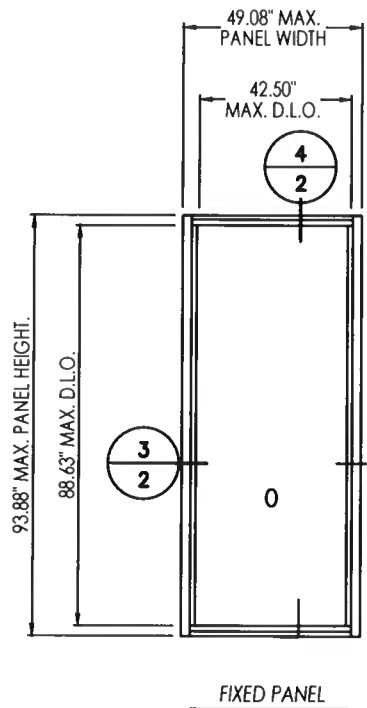
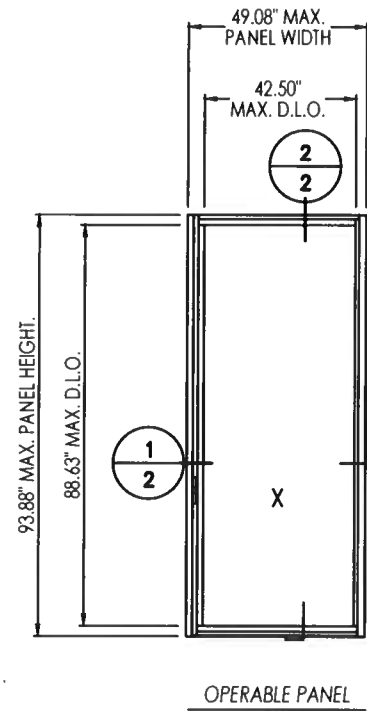
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15903.4

SHEET: 1 OF 11



5008 TAMPA WEST BLVD.
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FAX: (813) 886-0666



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

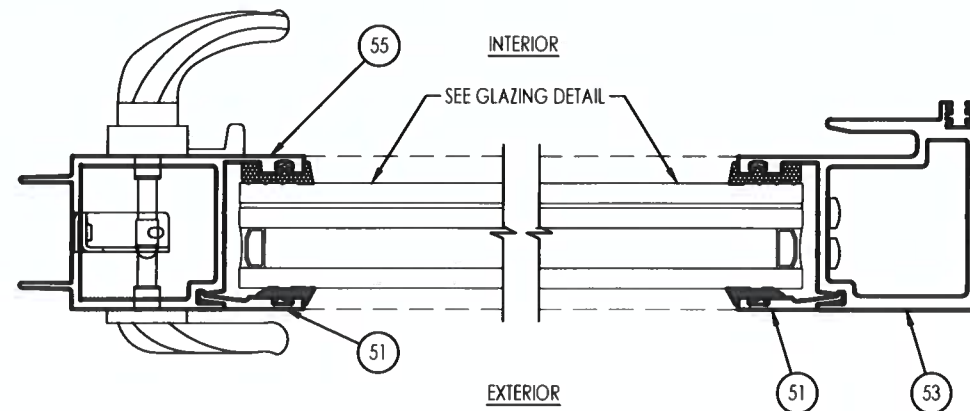
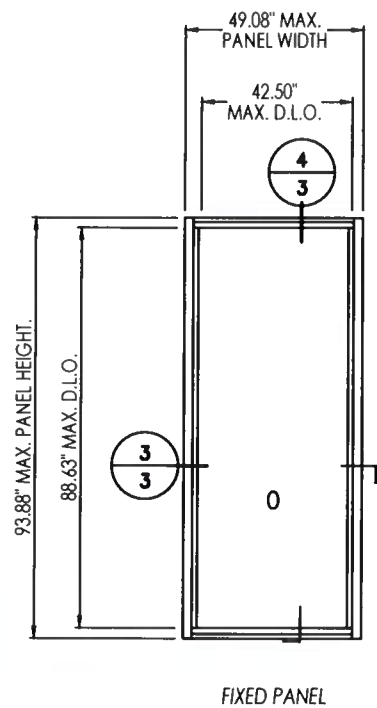
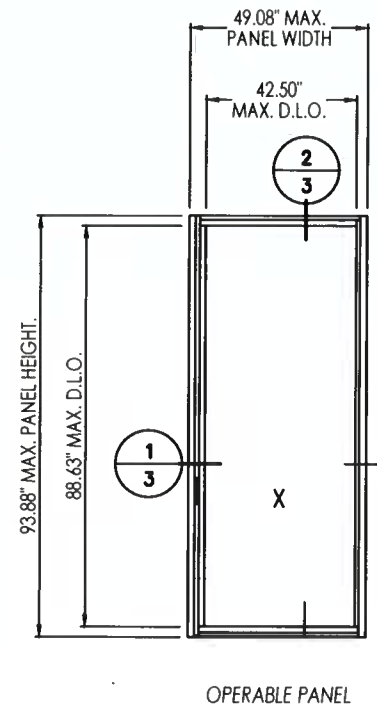
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DWG. BY: CO

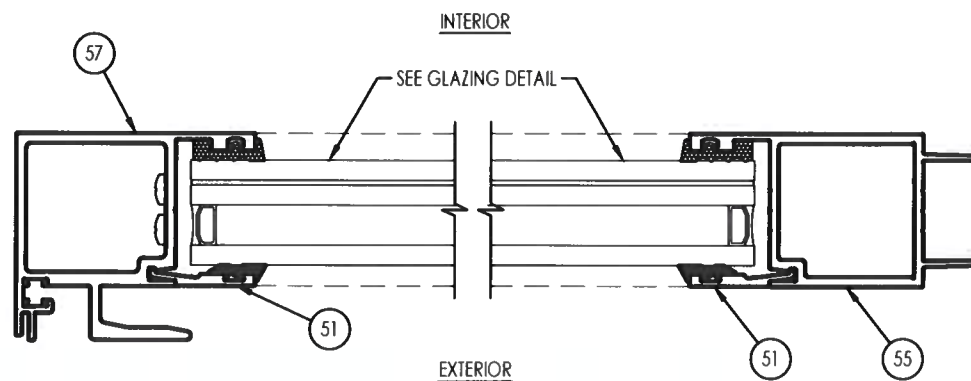
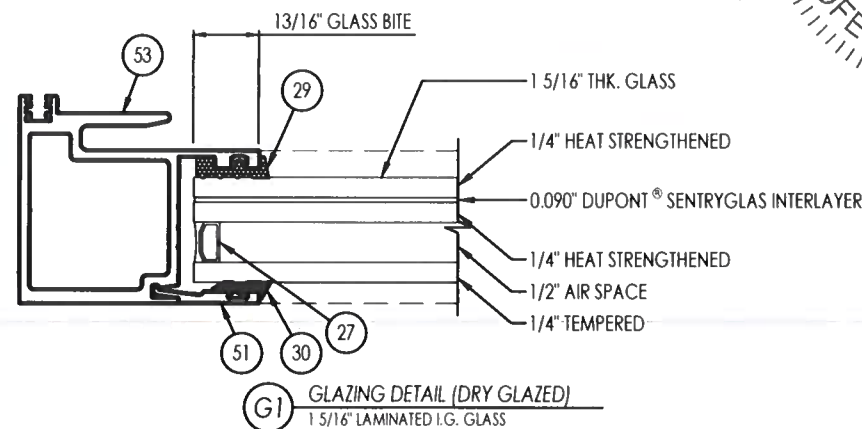
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DRAWING NO.:
FL-15903.4

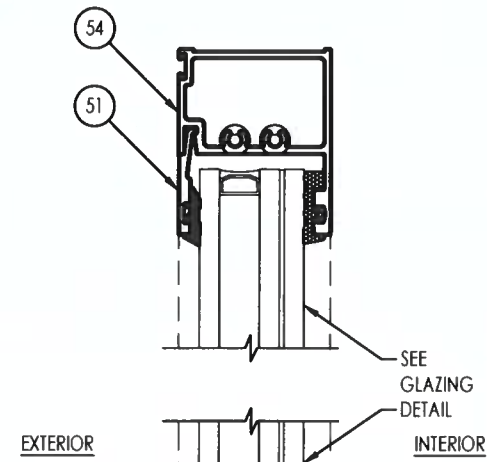
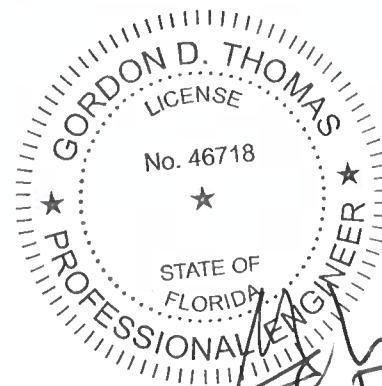
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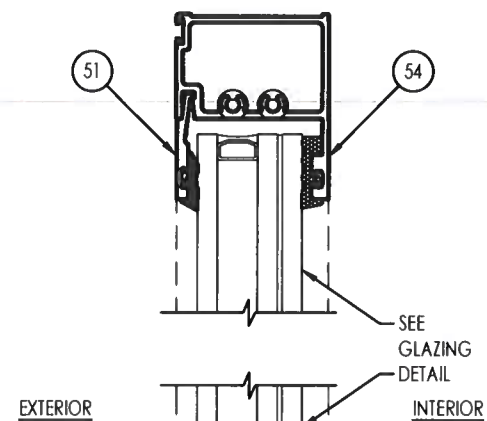
1
3
HORIZONTAL CROSS SECTION



3
3
HORIZONTAL CROSS SECTION



2
3
VERTICAL CROSS SECTION



4
3
VERTICAL CROSS SECTION

5008 TAMPA WEST BLVD.
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SUN METALS

PRODUCT:		SLIDING GLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	

NO	DATE	DESCRIPTION	BY	REVISIONS	
				DATE	DESCRIPTION
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

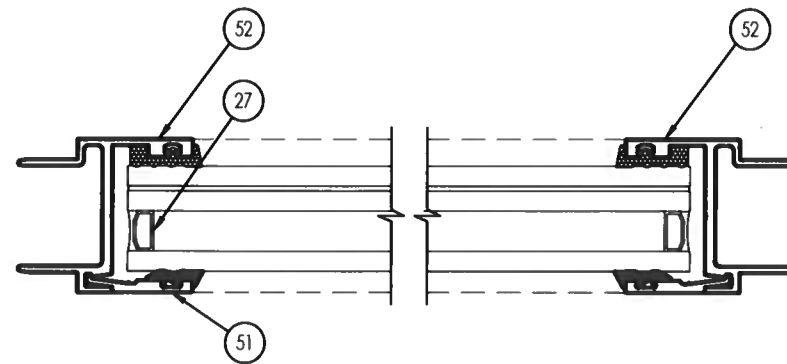
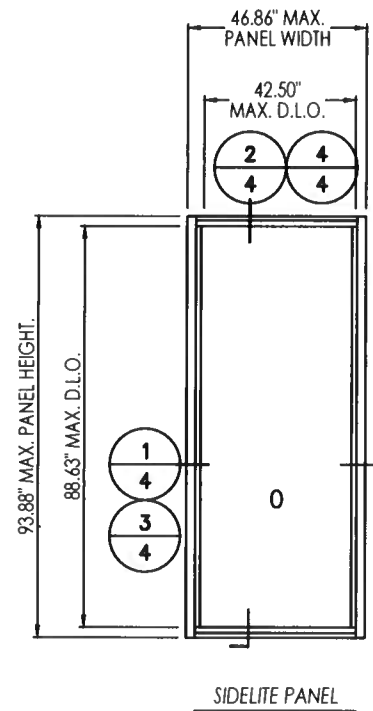
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DWG. BY: CO

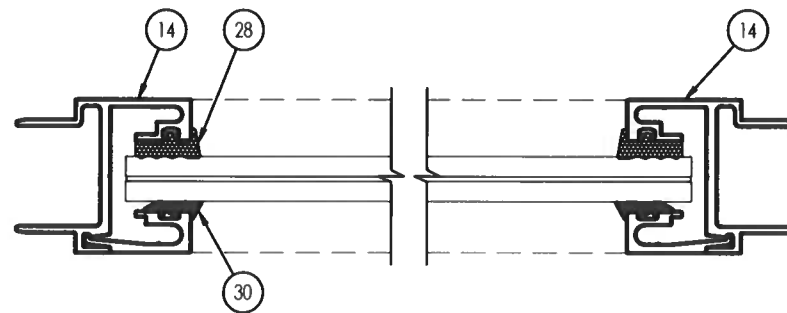
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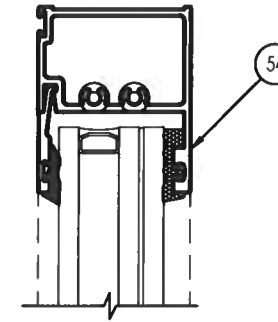
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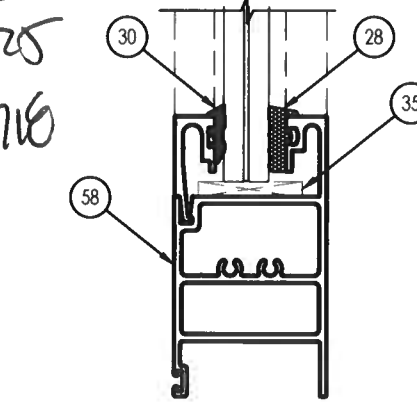
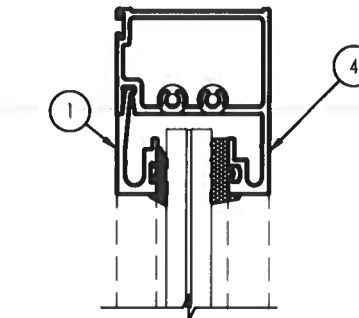
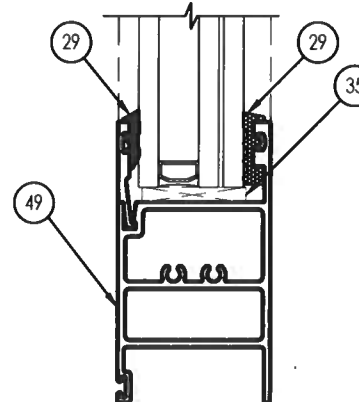
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4 HORIZONTAL CROSS SECTION



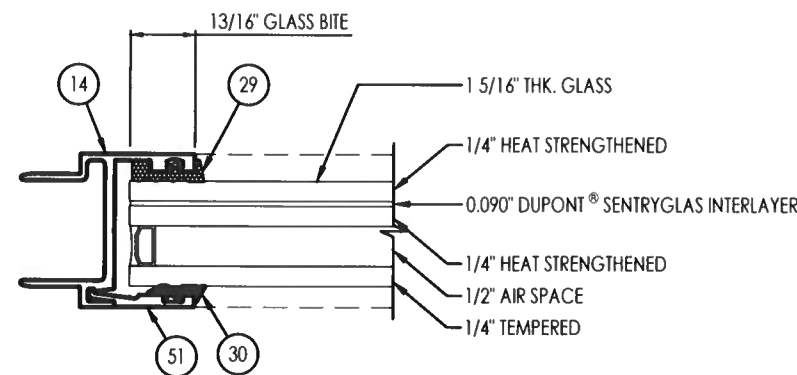
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4 HORIZONTAL CROSS SECTION



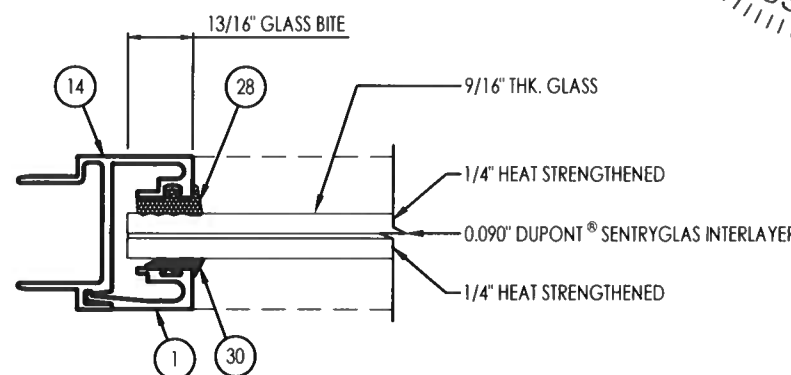
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4 VERTICAL CROSS SECTION



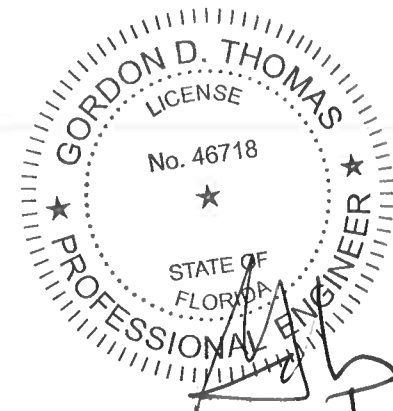
4
4 VERTICAL CROSS SECTION



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



G2 GLAZING DETAIL
MONOLITHIC
9/16" LAMINATED GLASS



5008 TAMPA WEST BLVD.
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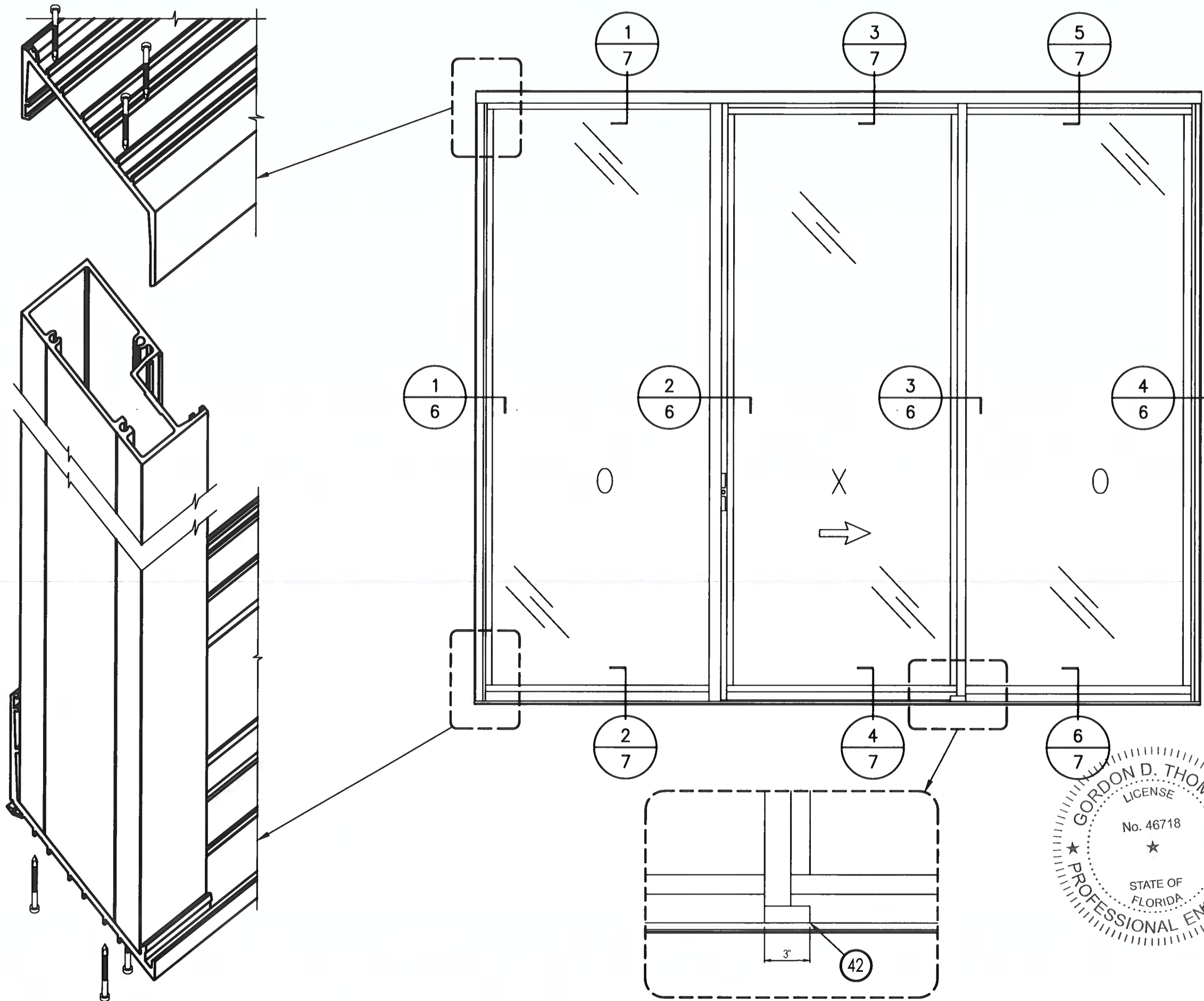


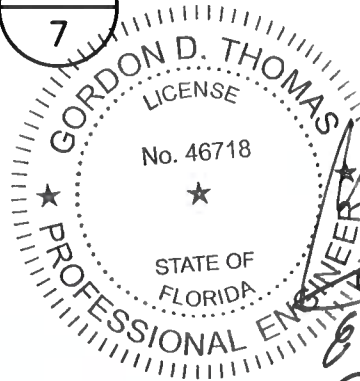
PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	
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-15903.4
SHEET: 4 OF 11




 GORDON D. THOMAS
 LICENSE
 No. 46718
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 8/11/25
 FL 46718

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

 **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

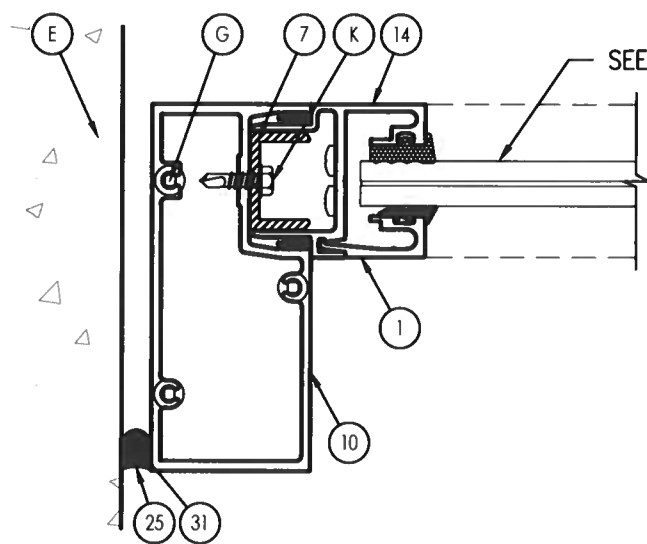
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DWG. BY: CO

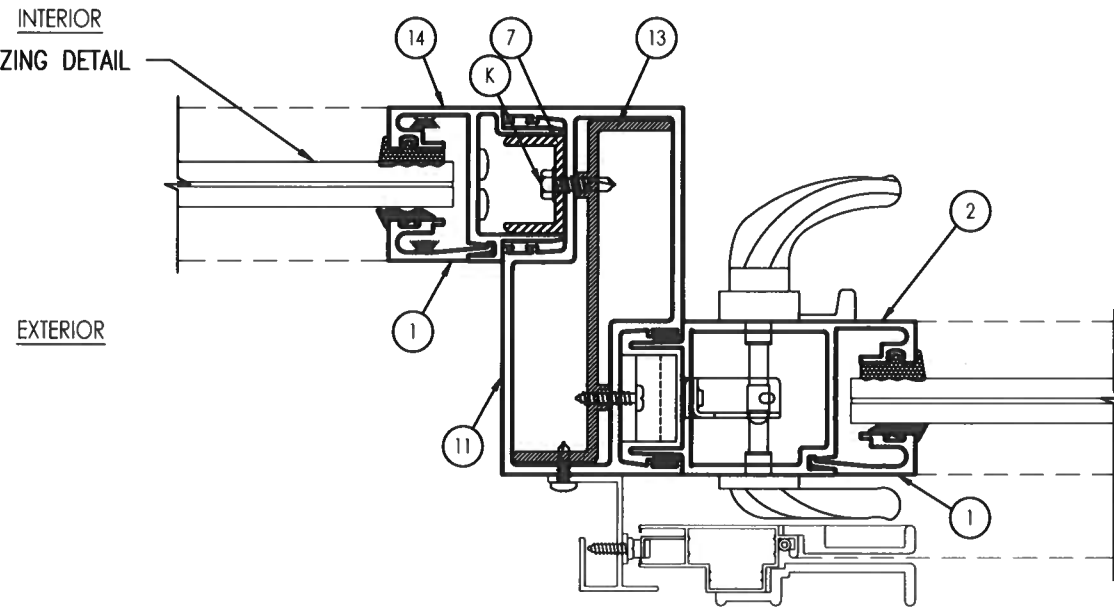
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DRAWING NO.:
FL-15903.4

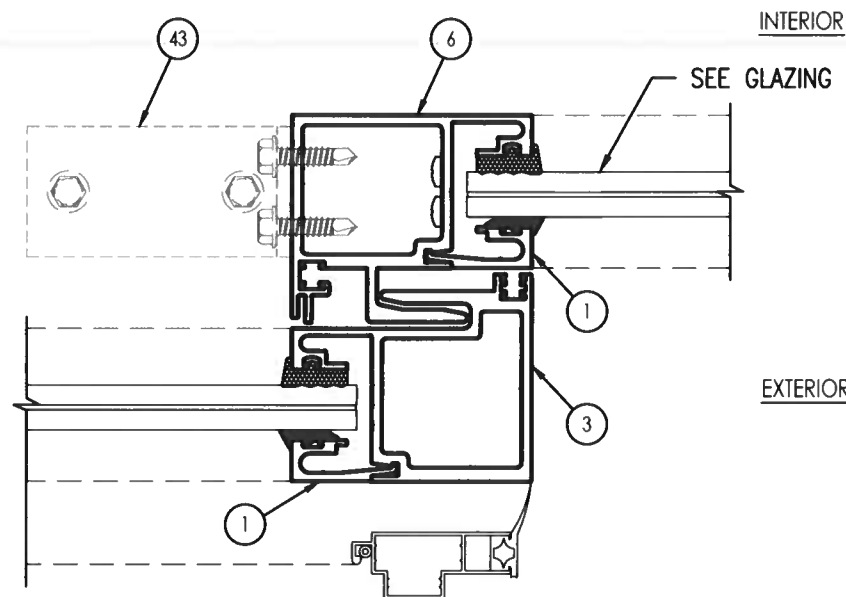
SHEET: **5** OF **11**



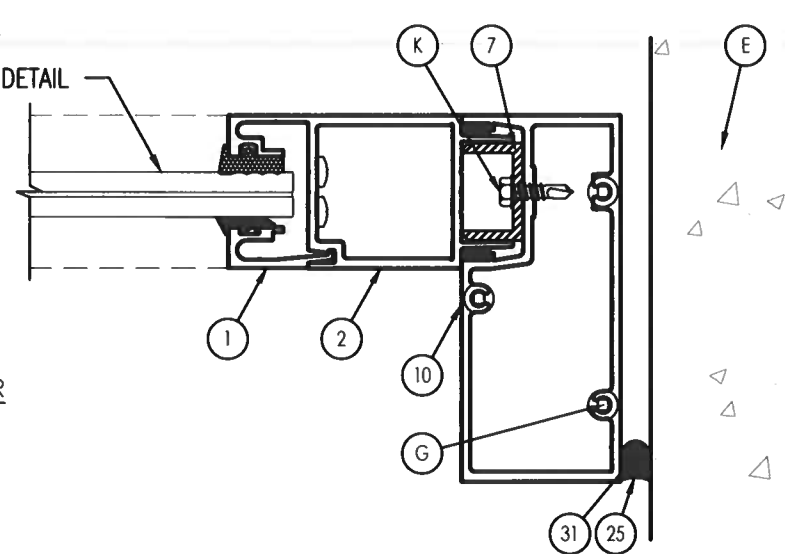
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6 HORIZONTAL CROSS SECTION



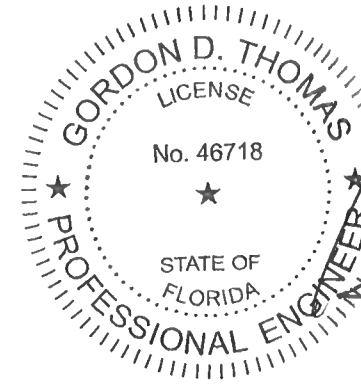
2
6 HORIZONTAL CROSS SECTION



3
6 HORIZONTAL CROSS SECTION



4
6 HORIZONTAL CROSS SECTION



*glu 28
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	NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023)	ECV	4	7/14/25	UPDATE TO 8TH ED. (2023)	ECV
3	9/21/20	UPDATE TO 7TH ED. (2020)	JCB	3	9/21/20	UPDATE TO 7TH ED. (2020)	JCB
2	8/9/19	UPDATE TO 6TH ED. (2017)	ECV	2	8/9/19	UPDATE TO 6TH ED. (2017)	ECV
1	2/18/15	UPDATE TO 5TH ED. (2014)	LFS	1	2/18/15	UPDATE TO 5TH ED. (2014)	LFS

DATE: 08/09/19

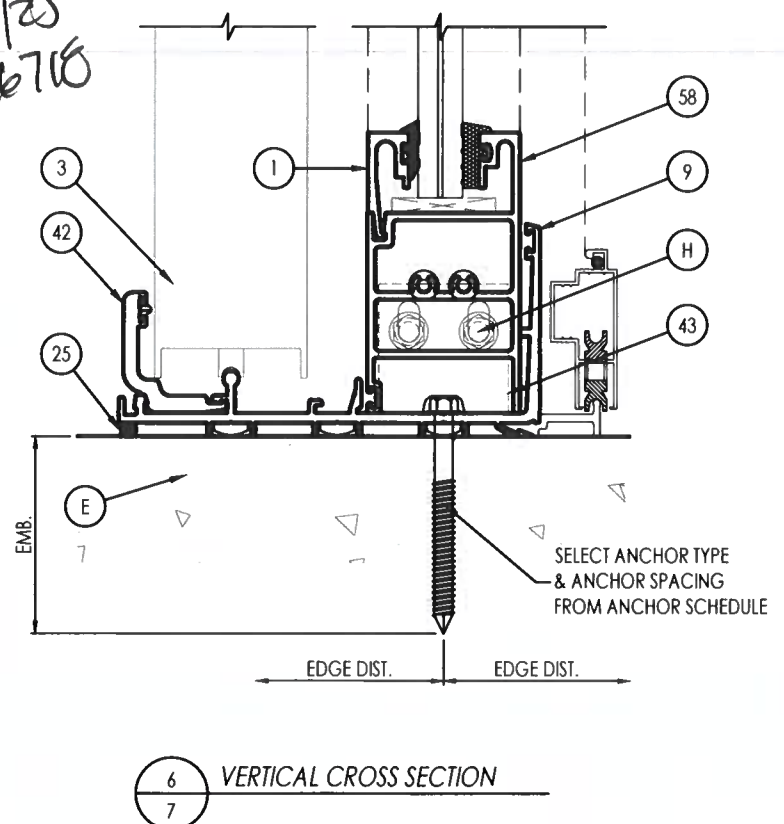
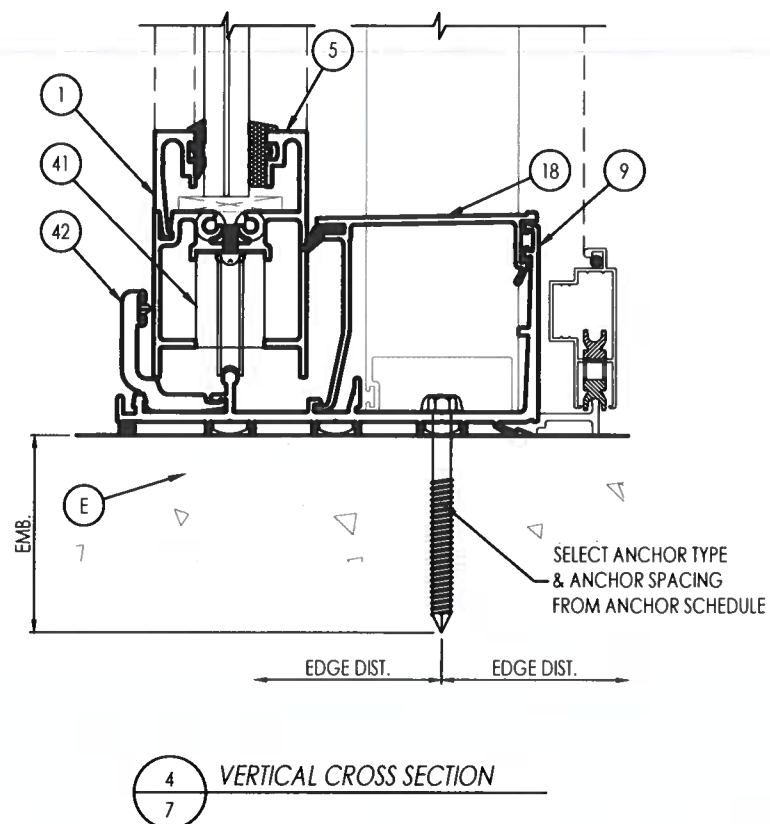
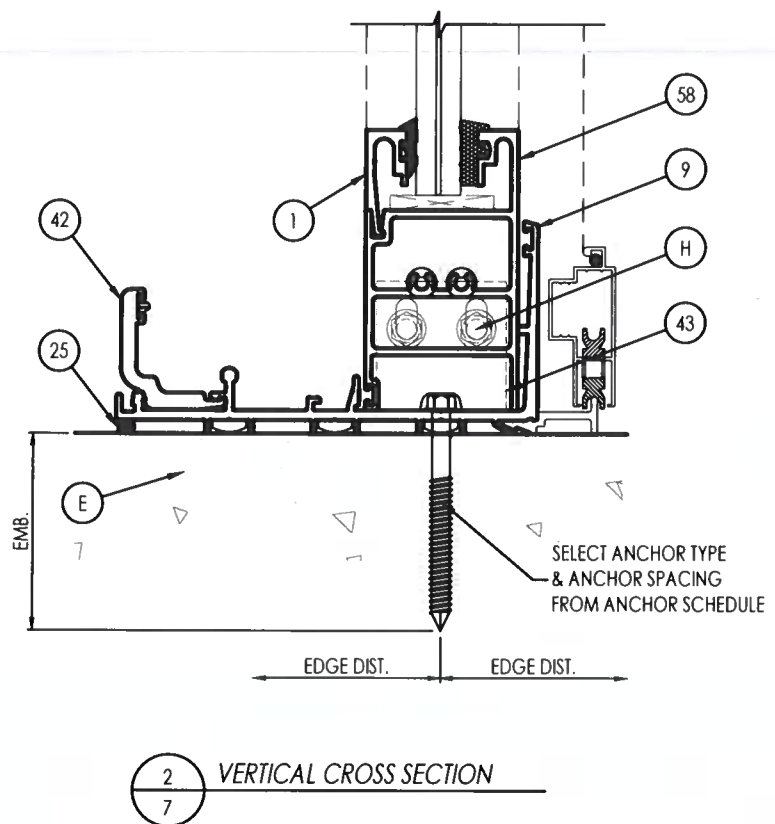
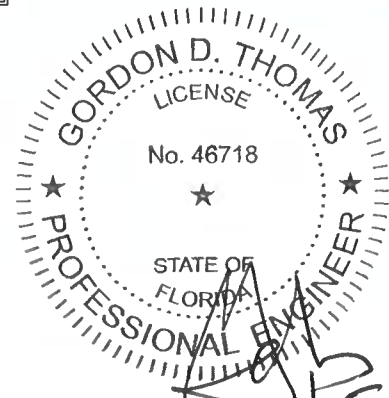
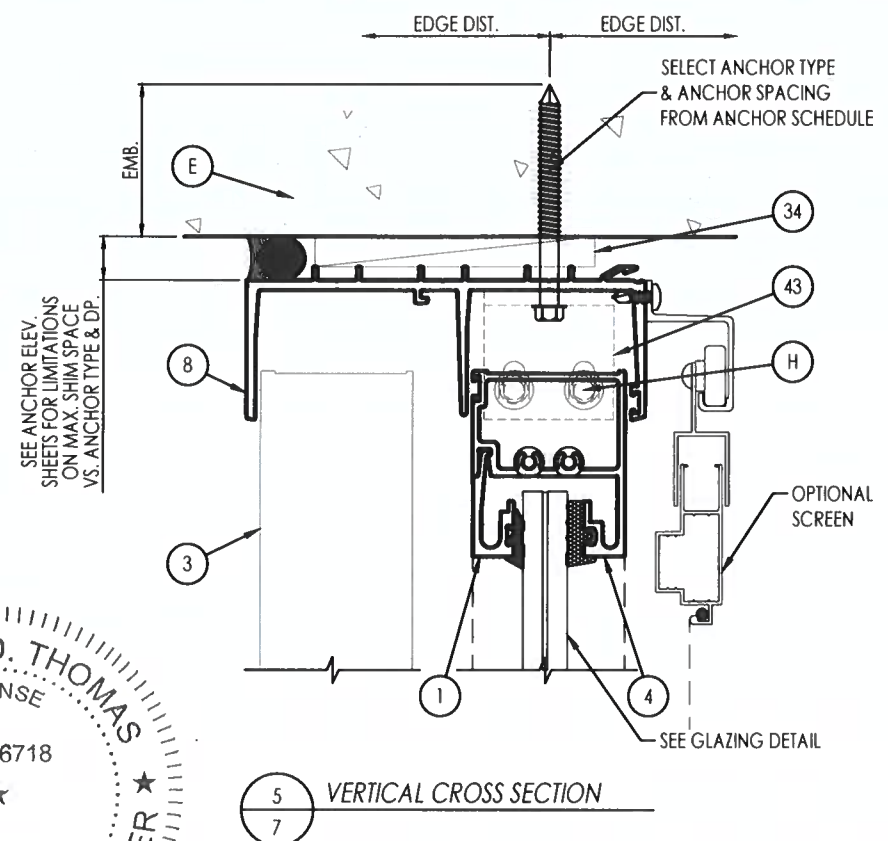
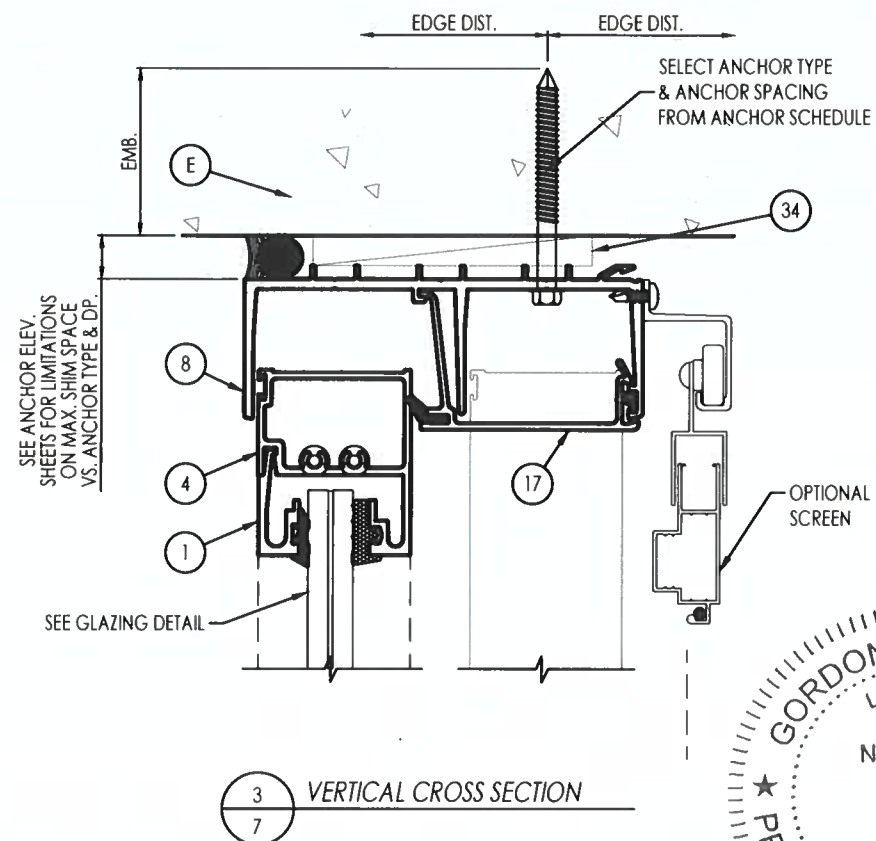
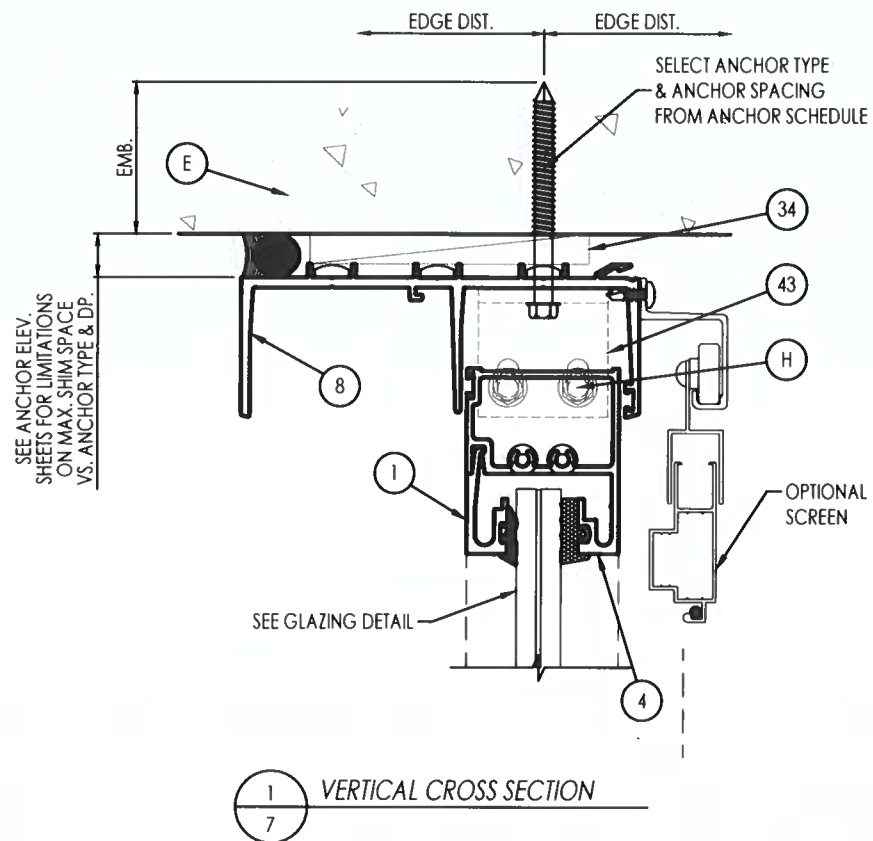
SCALE: NTS

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.4

SHEET: 6 OF 11



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

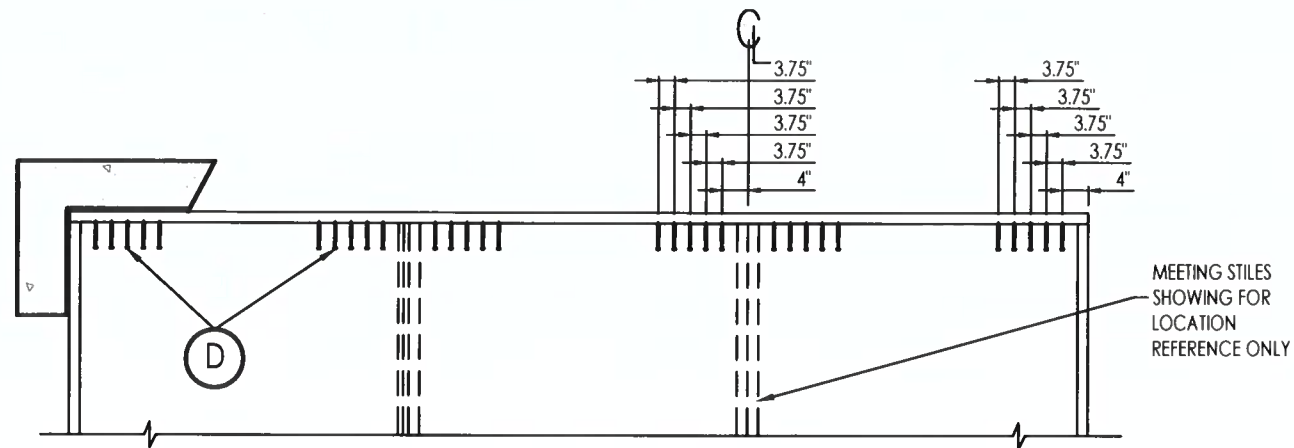
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DWG. BY: CO

CHK BY: ECV

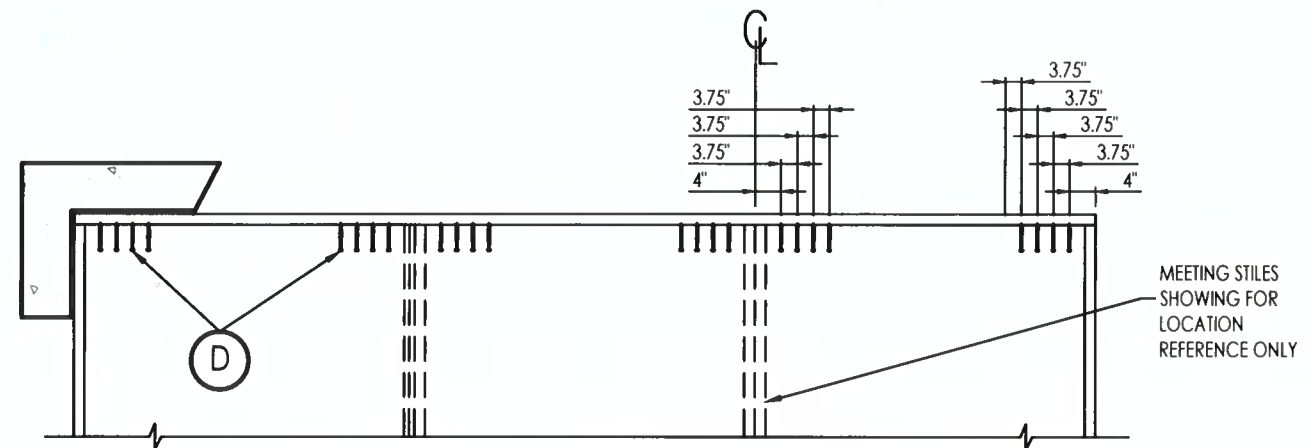
DRAWING NO.: FL-15903.4

SHEET: 7 OF 11



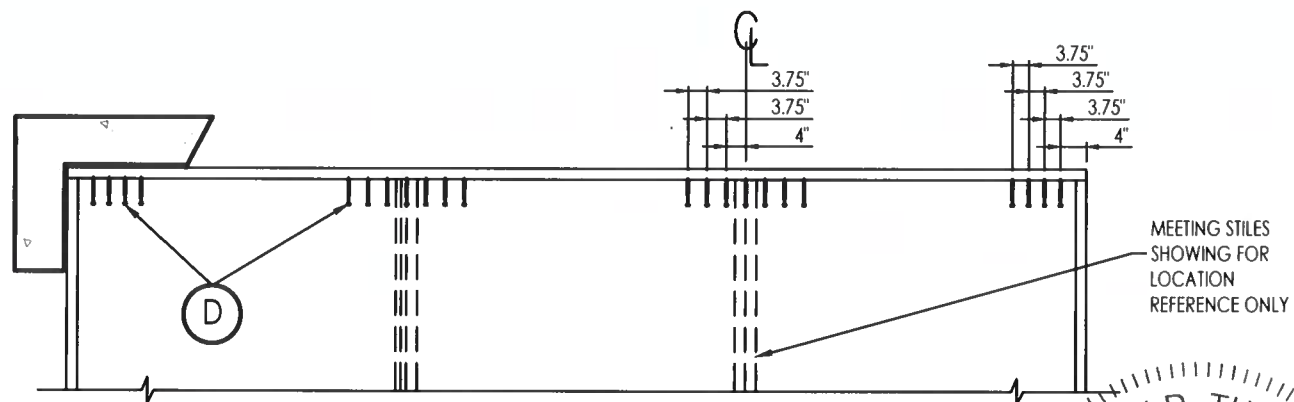
FRAME ANCHORING @ HEAD

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



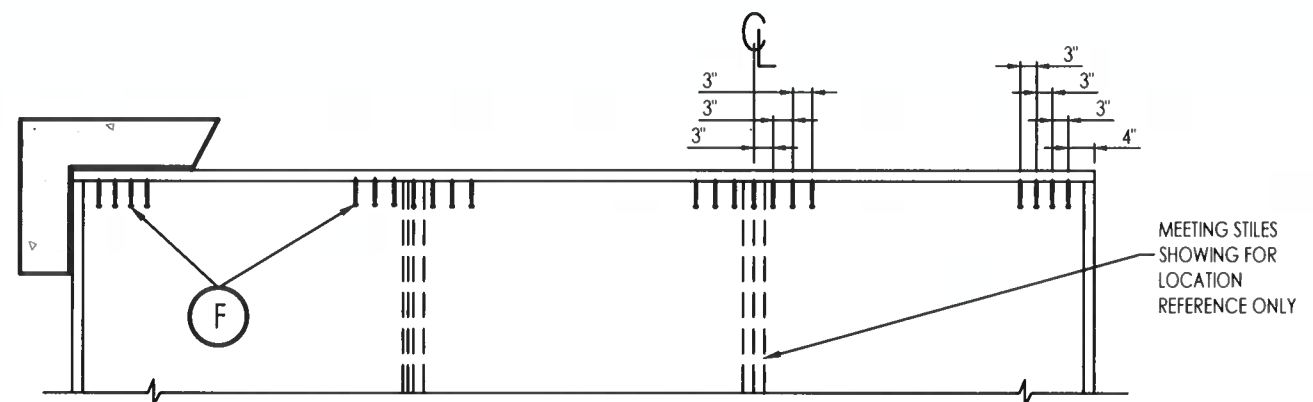
FRAME ANCHORING @ HEAD

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Max. shim space <= .25



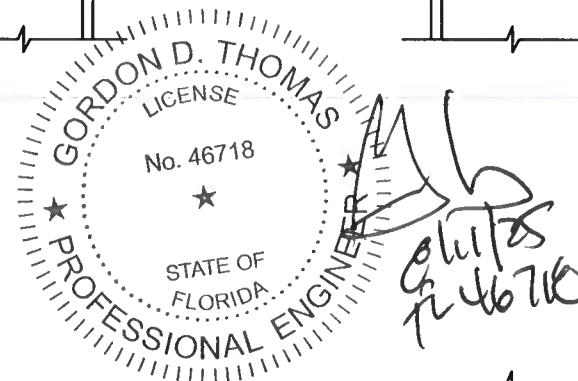
FRAME ANCHORING @ HEAD

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

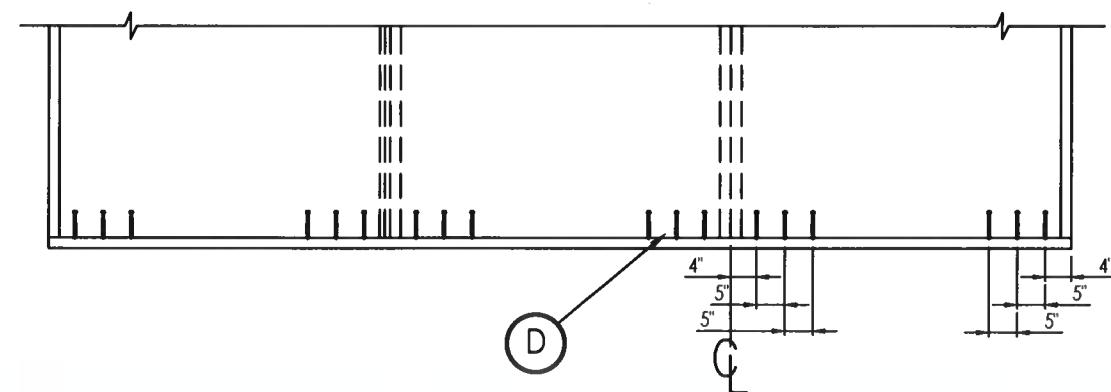


FRAME ANCHORING @ HEAD

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



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 <= 135 PSF
Max. shim space <= .17

5008 TAMPA WEST BLVD.
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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

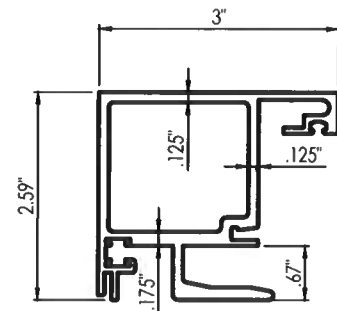
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DWG. BY: CO

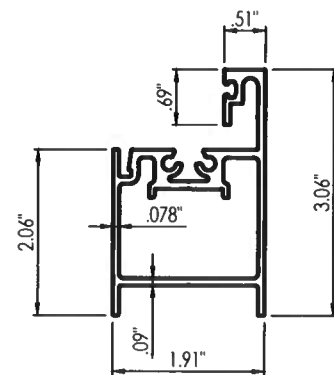
CHK BY: ECV

DRAWING NO.:
FL-15903.4

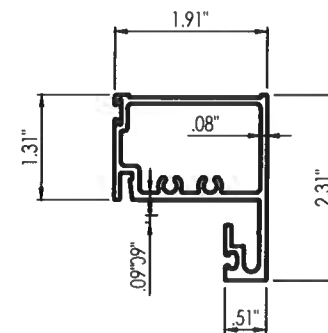
SHEET: 8 OF 11



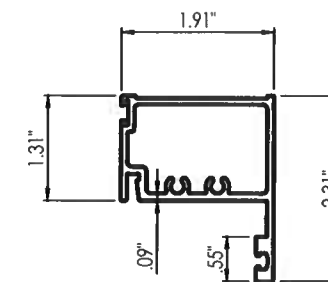
6 INTERLOCK STILE - FIXED PANEL
9/16" GLASS



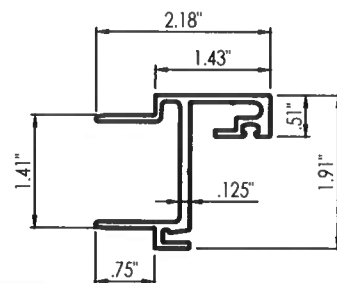
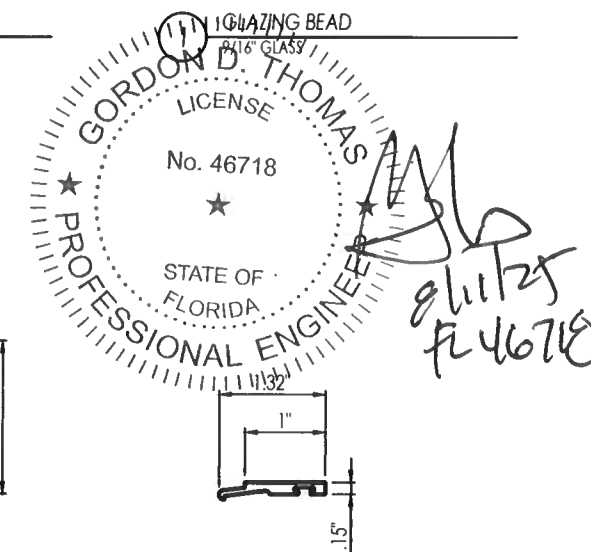
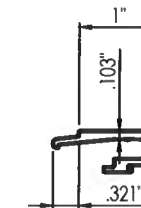
5 BOTTOM RAIL - MOVING PANEL
9/16" GLASS



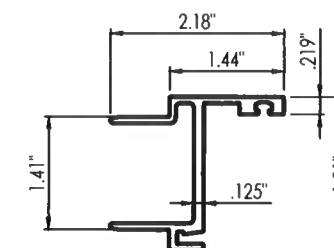
4 TOP RAIL
9/16" GLASS



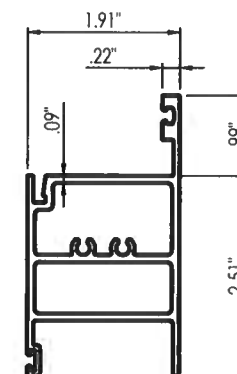
54 I.G. TOP RAIL
1- 5/16" GLASS



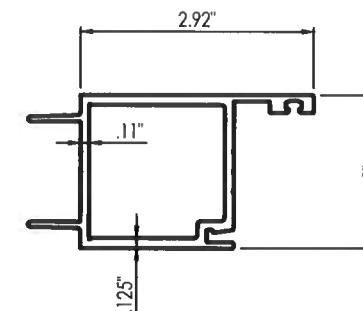
14 FIXED PANEL STILE
9/16" GLASS



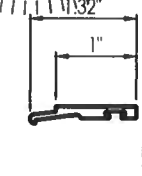
52 I.G. FIXED PANEL STILE
1-5/16" GLASS



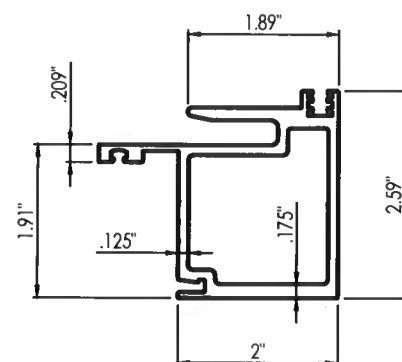
49 I.G. BOTTOM RAIL - FIXED PANEL
1- 5/16" GLASS



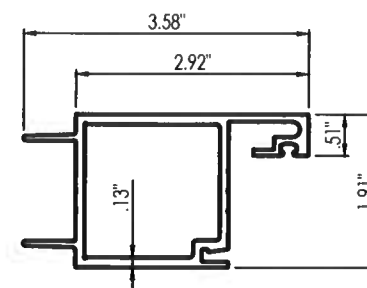
55 I.G. LEAD STILE
1- 5/16" GLASS



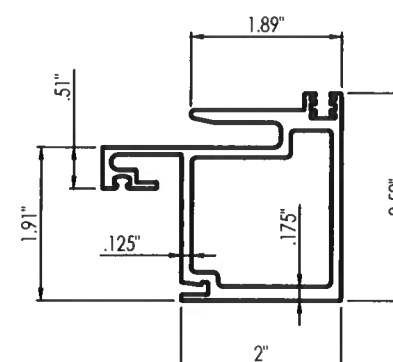
51 I.G. GLAZING BEAD
1- 5/16" GLASS



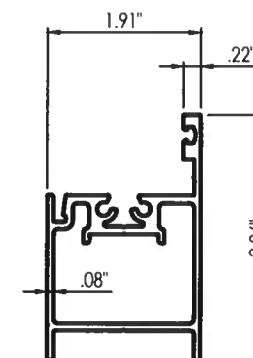
53 I.G. INTERLOCK STILE - MOVING PANEL
1-5/16" GLASS



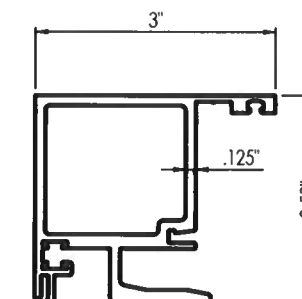
2 LEAD STILE
9/16" GLASS



3 INTERLOCK STILE - MOVING PANEL
9/16" GLASS



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



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

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

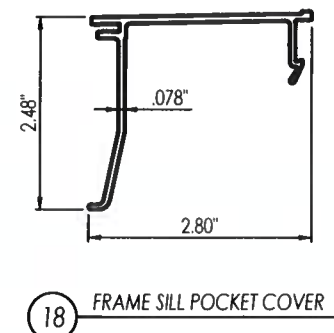
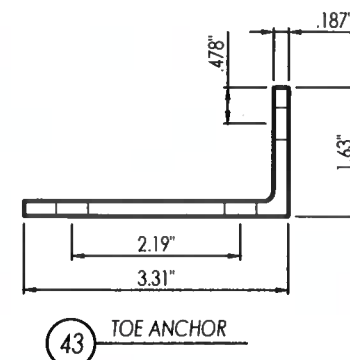
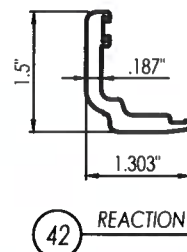
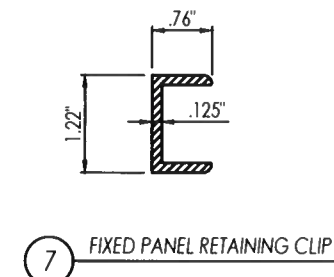
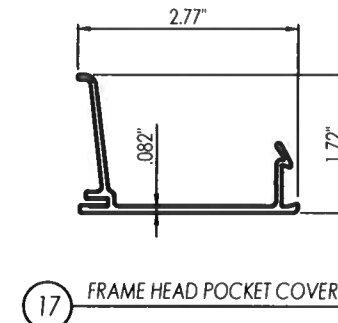
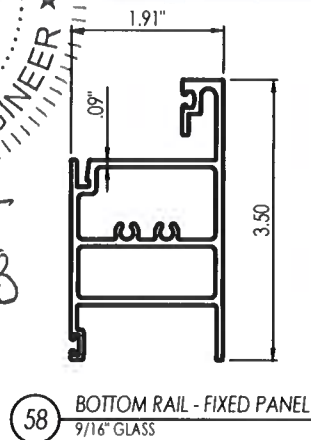
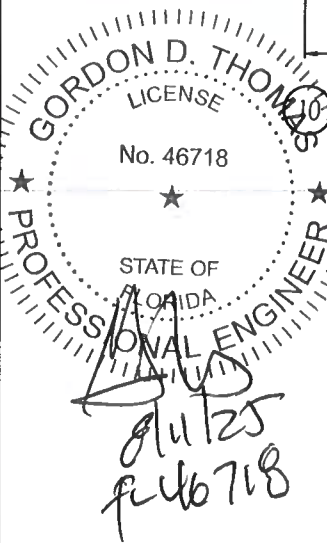
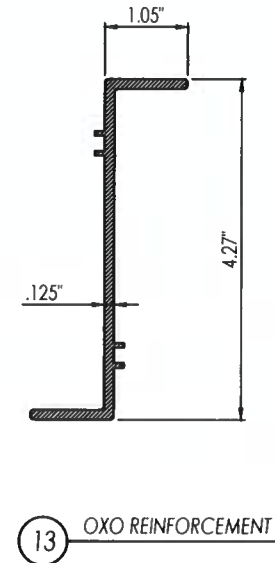
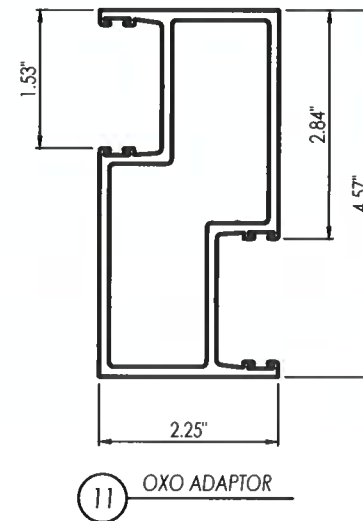
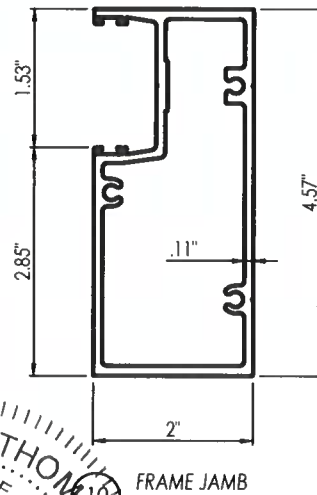
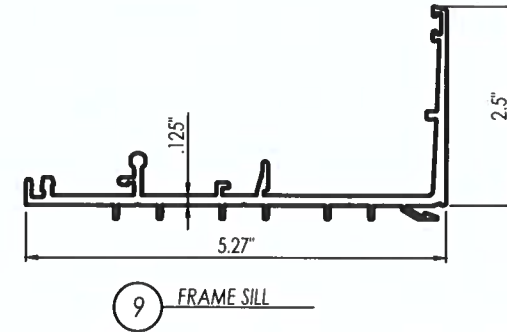
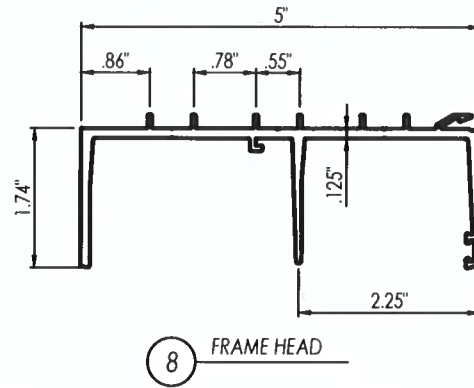


PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY:

[illegible]

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
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



5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666		SUN METALS	
PRODUCT: SLIDING GLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
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
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 08/09/19			
SCALE: NTS			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15903.4			
SHEET: 11 OF 11			