



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.

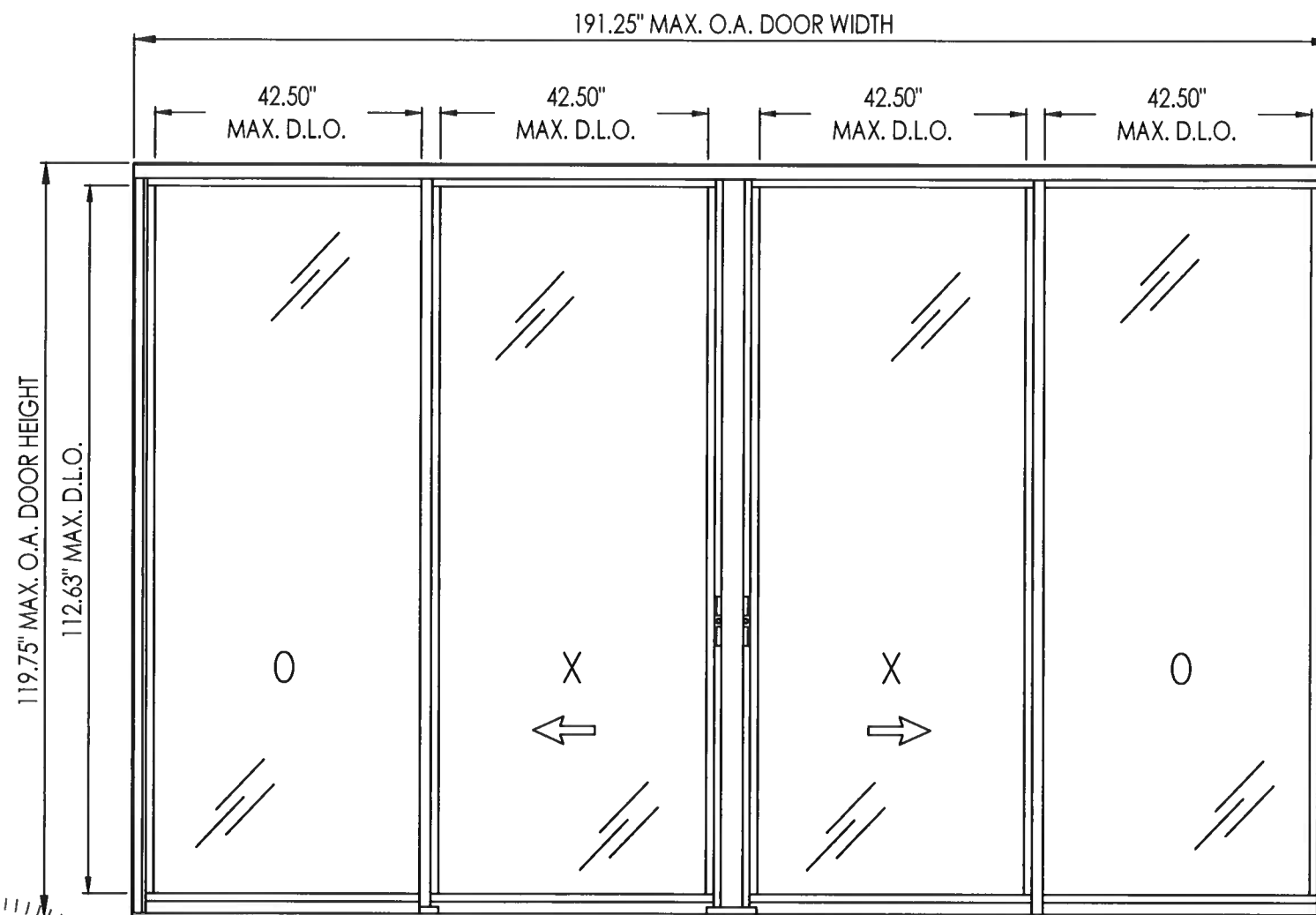
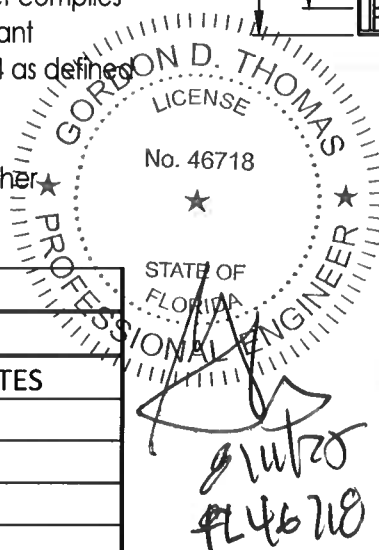


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O.A. FRAME DIMENSION	D.L.O. DIMENSION	REINFOCED	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
191.25" x 119.75"	42.50" x 112.63"	YES	G3, G4	100.0	100.0
			G1, G2	70.0	75.0
191.25" x 119.75"	42.50" x 112.63"	NO	G1, G2	70.0	75.0
			G3, G4		

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

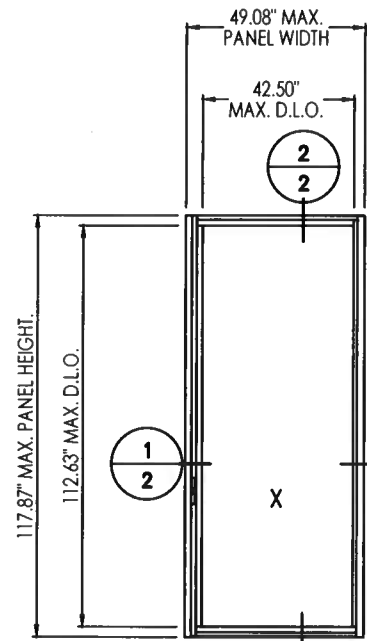
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DWG. BY: CO

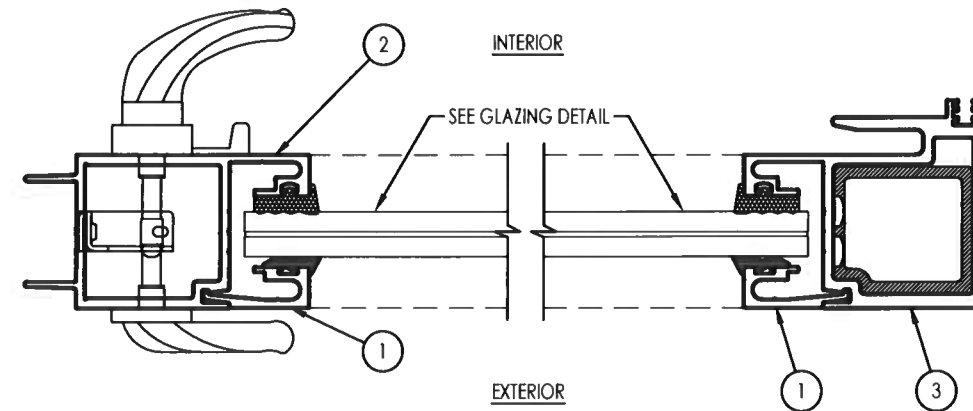
CHK BY: ECV

DRAWING NO.: FL-15903.12

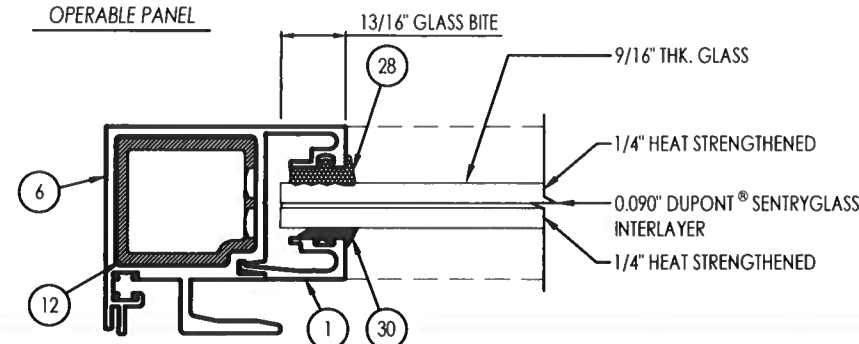
SHEET: 1 OF 11



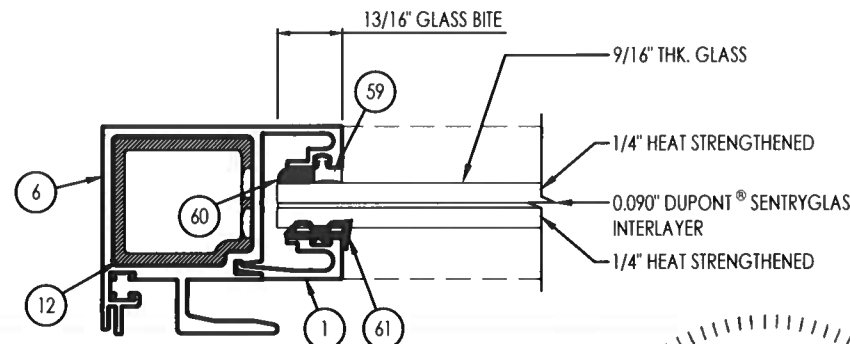
OPERABLE PANEL



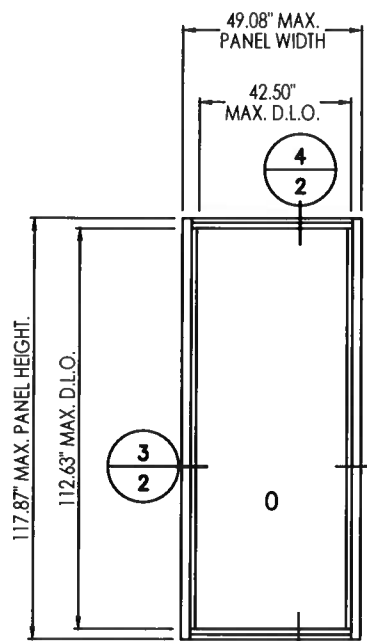
1
2 HORIZONTAL CROSS SECTION



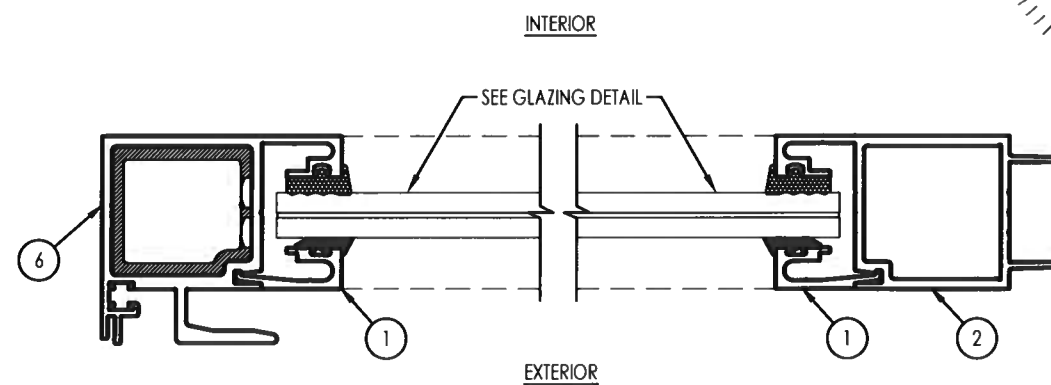
G2 GLAZING DETAIL (DRY GLAZED)
MONOLITHIC
9/16\"/>



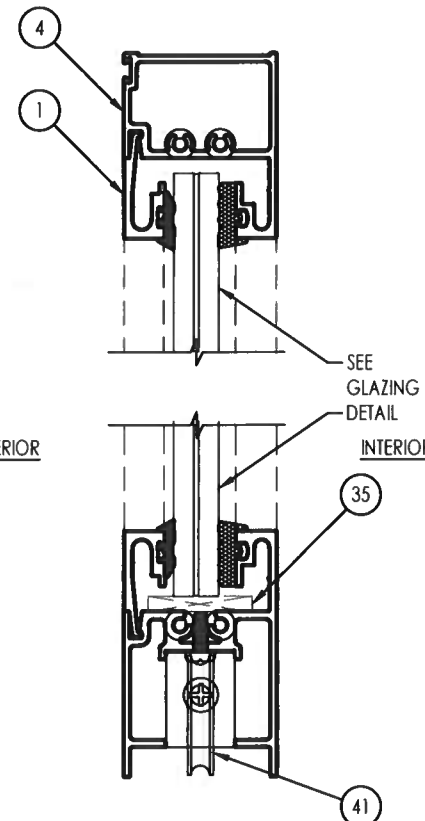
G3 GLAZING DETAIL (WET GLAZED)
MONOLITHIC
9/16\"/>



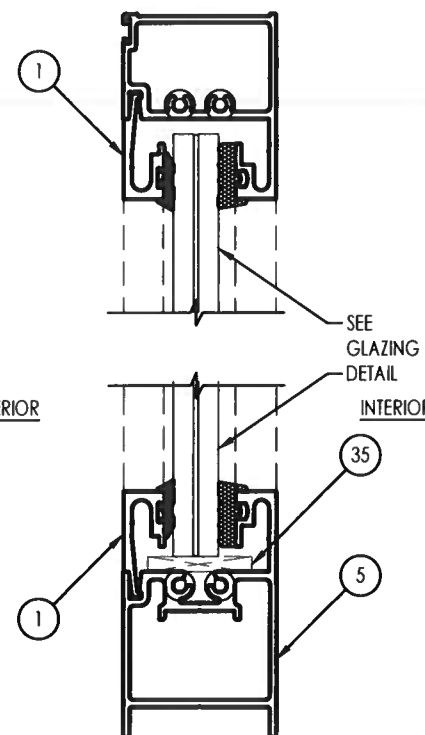
FIXED PANEL



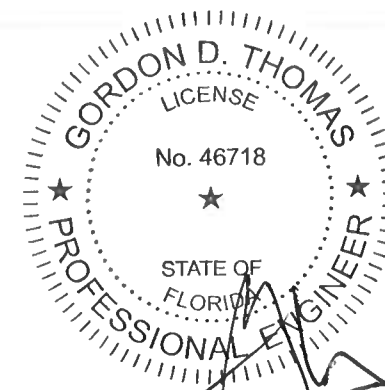
3
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION



4
2 VERTICAL CROSS SECTION



Handwritten signature and date: 8/14/25, F46718

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PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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

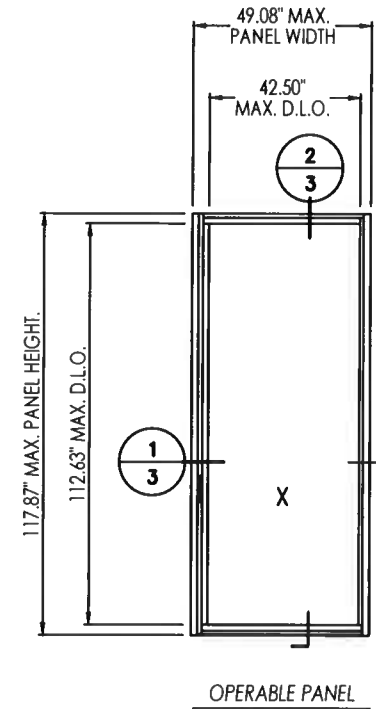
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DWG. BY: CO

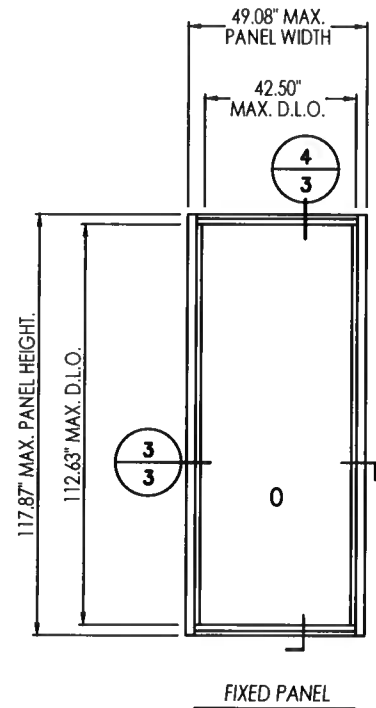
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DRAWING NO.:
FL-15903.12

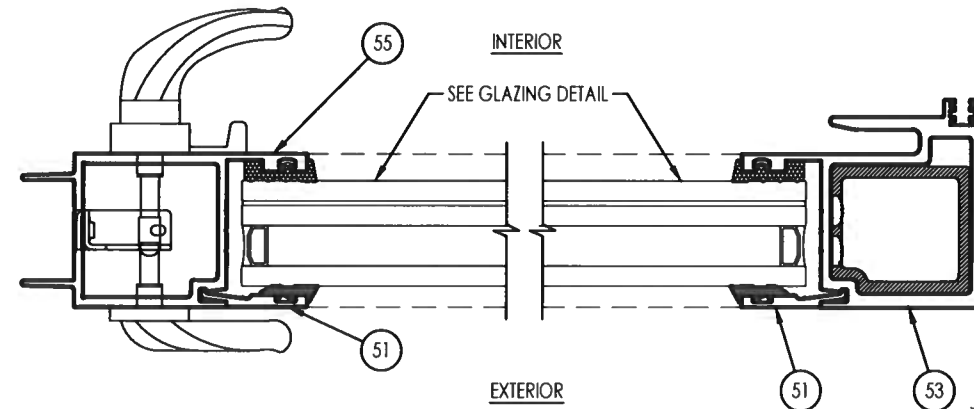
SHEET: 2 OF 11



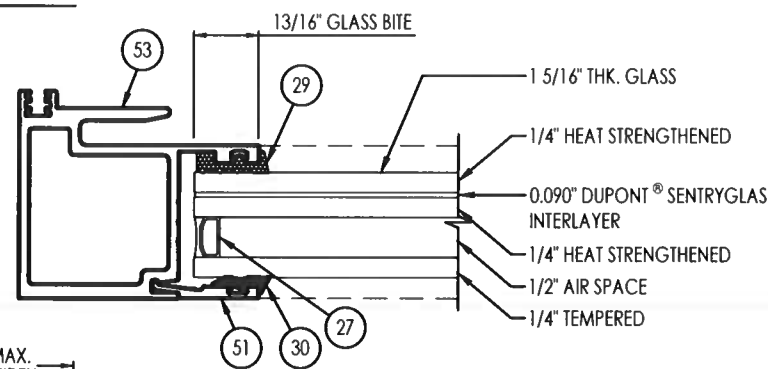
OPERABLE PANEL



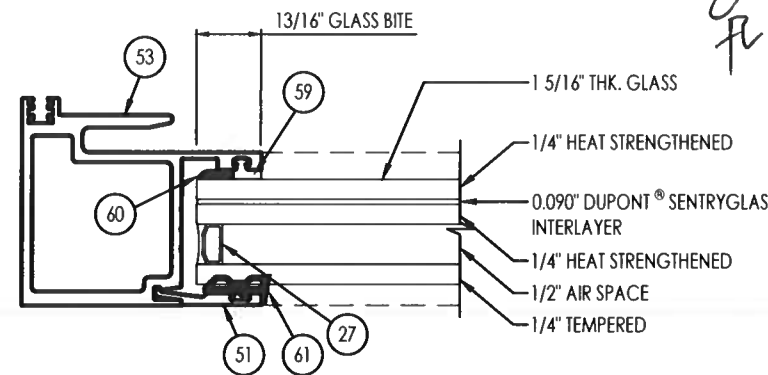
FIXED PANEL



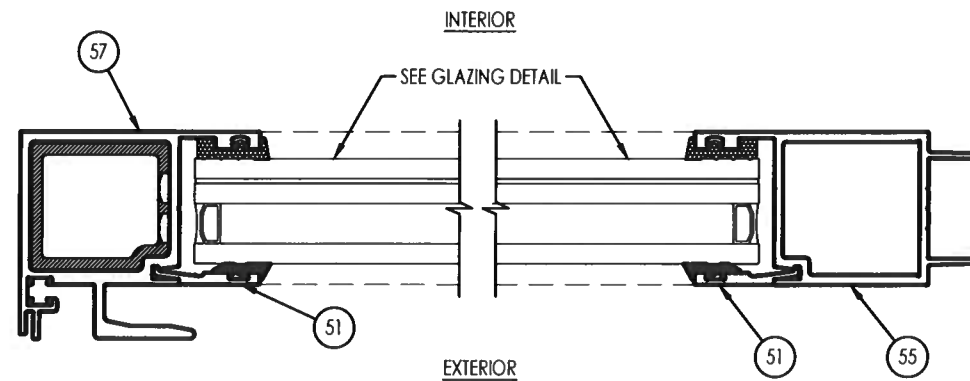
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3 HORIZONTAL CROSS SECTION



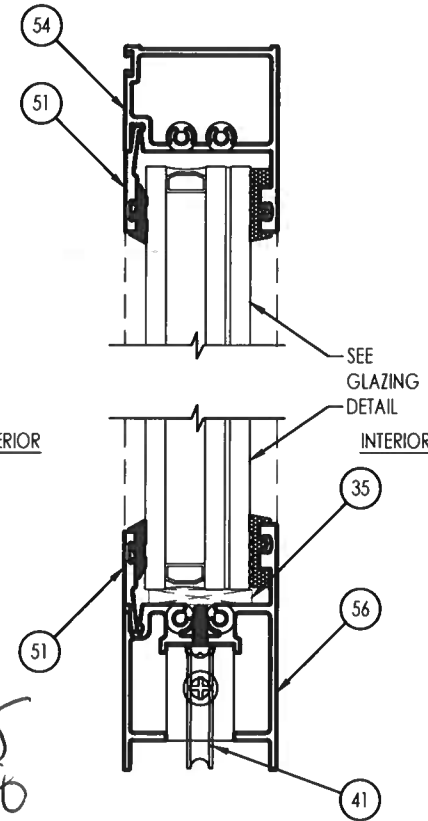
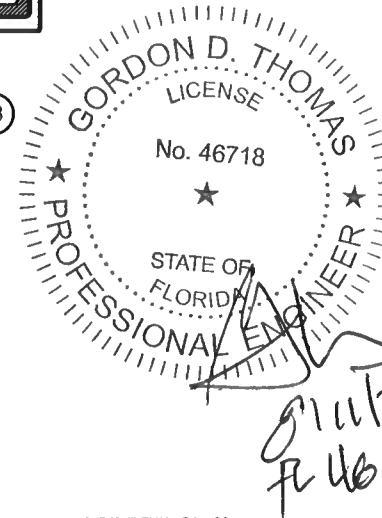
G1 GLAZING DETAIL (DRY GLAZED)
1 5/16\"/>



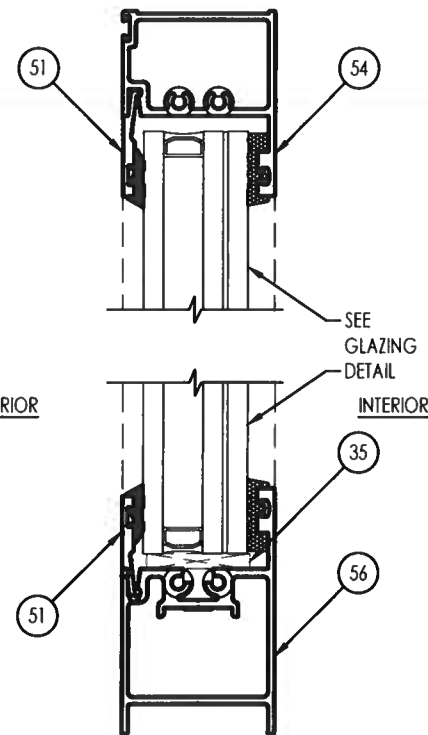
G4 GLAZING DETAIL (WET GLAZED)
1 5/16\"/>



3
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION

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PRODUCT:
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PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO	DATE	DESCRIPTION	BY
1	2/18/15	UPDATE TO 5TH ED. (2014) FBC LFS	
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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

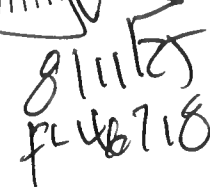
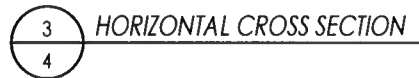
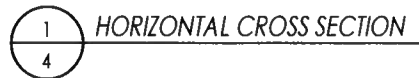
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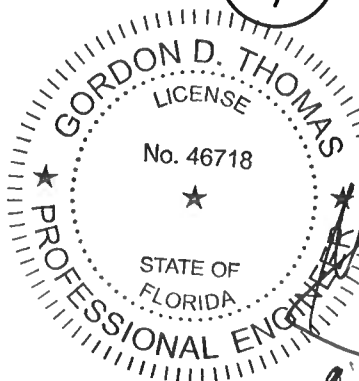
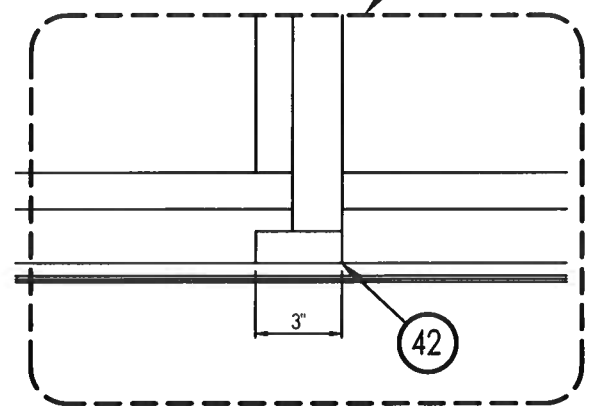
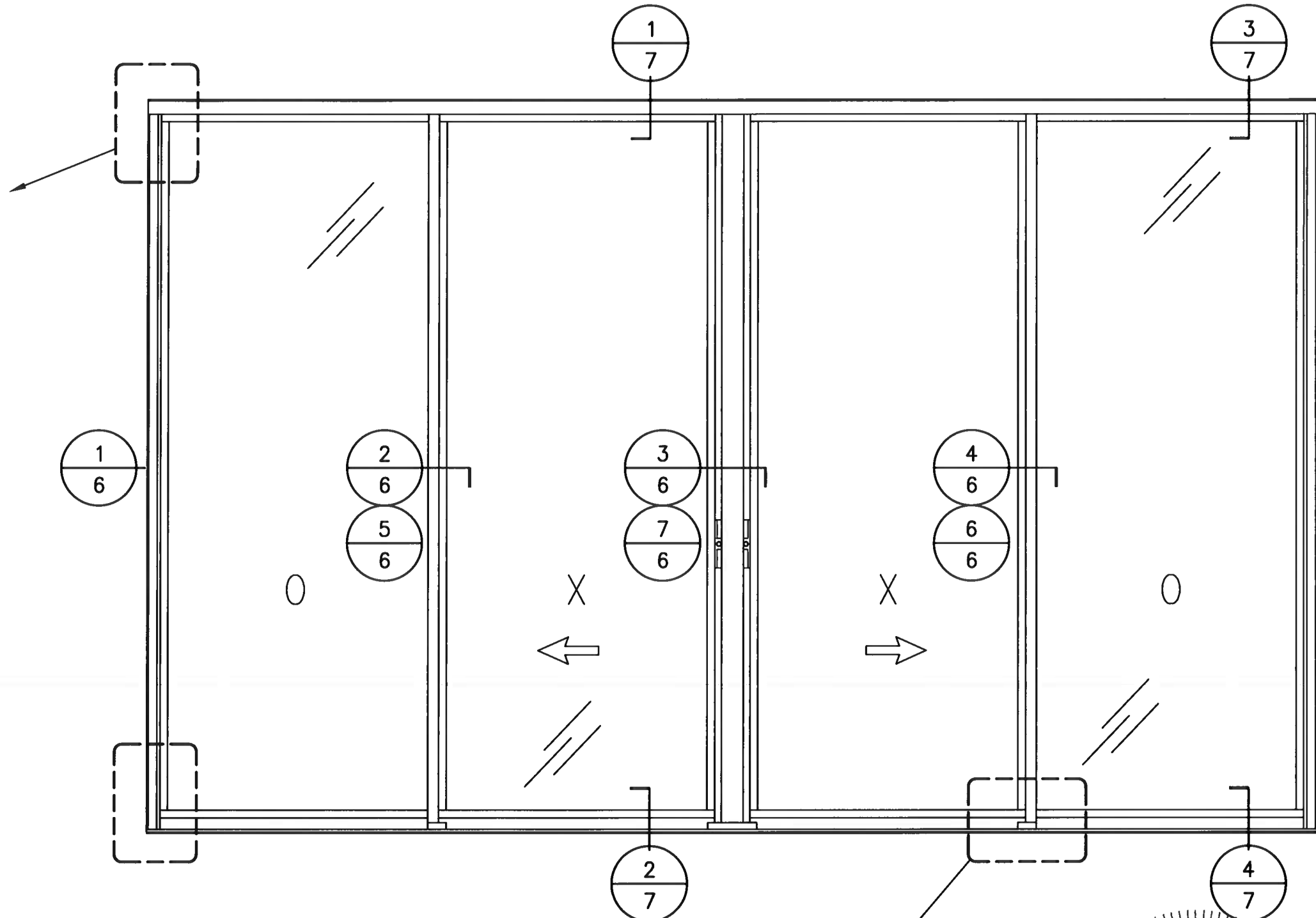
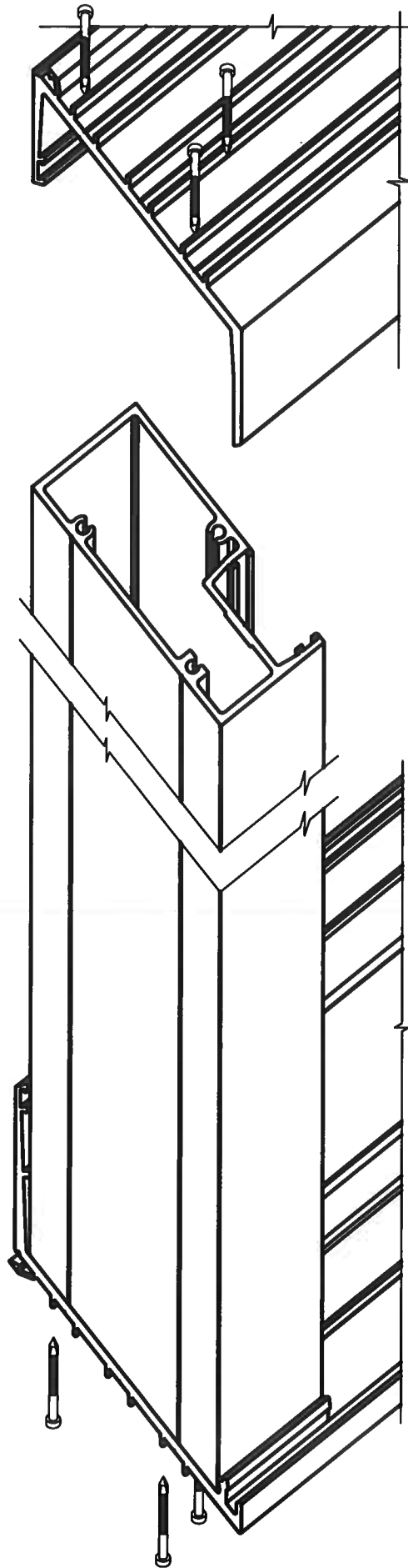
DWG. BY: CO

CHK BY: ECV

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FL-15903.12

SHEET: 3 OF 11

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 8/11/25
 FL 46718

SUN METALS

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PRODUCT: SLIDING GLASS DOOR

PART OR ASSEMBLY: CORNER DETAILS

NO		DATE		DESCRIPTION		BY	
		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

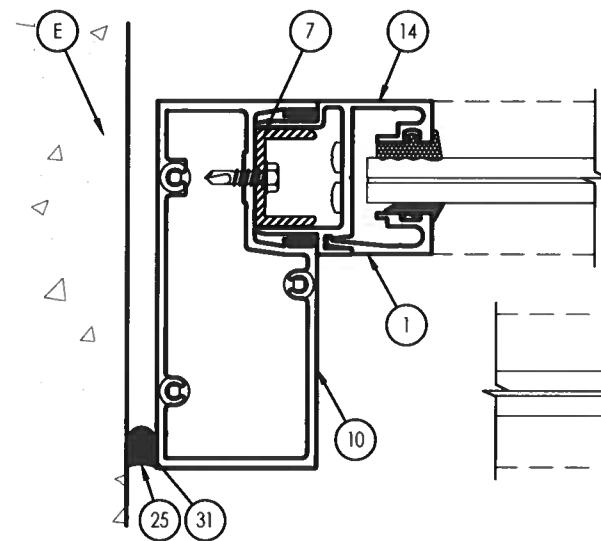
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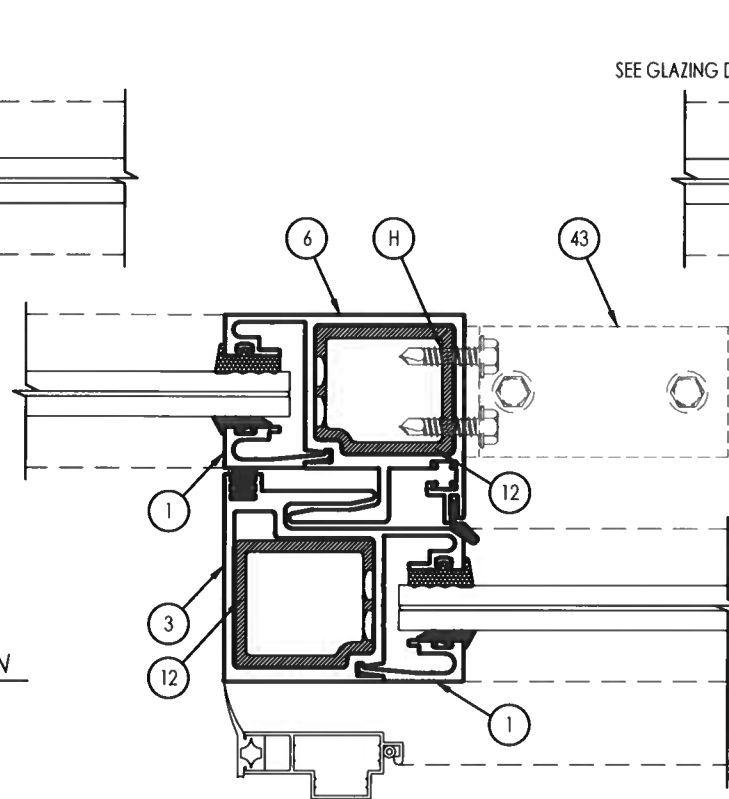
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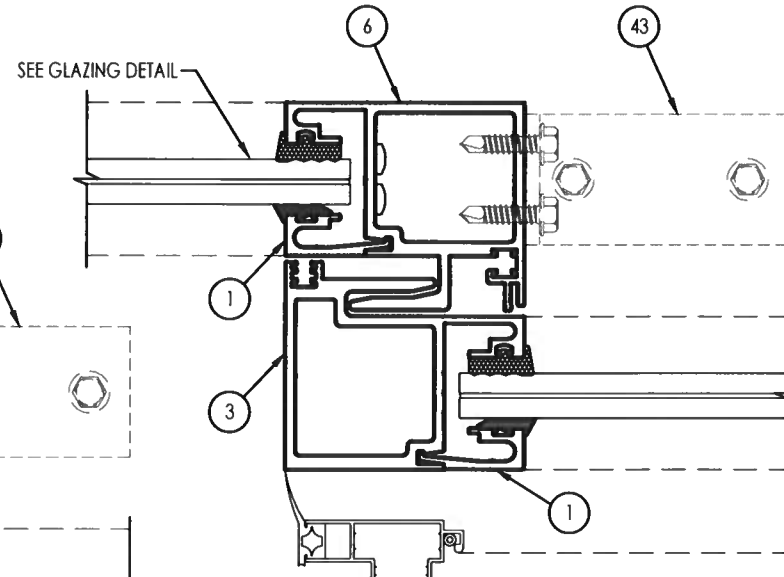
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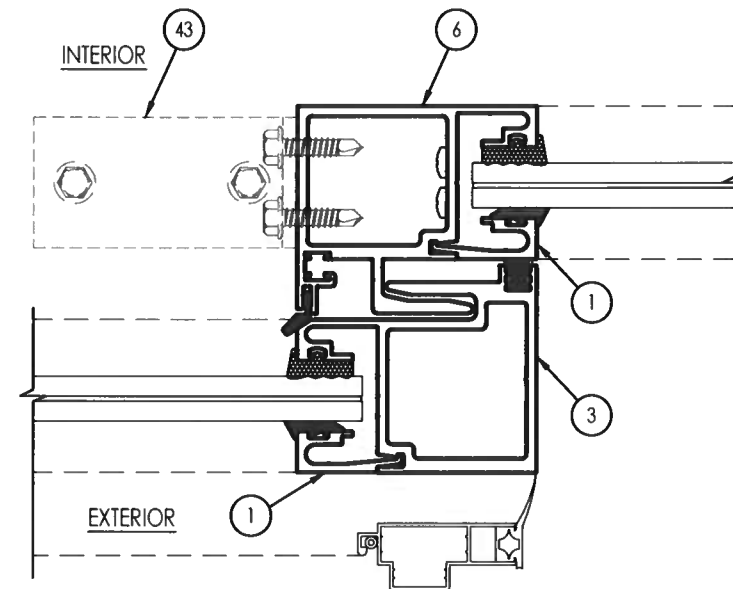
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6 HORIZONTAL CROSS SECTION



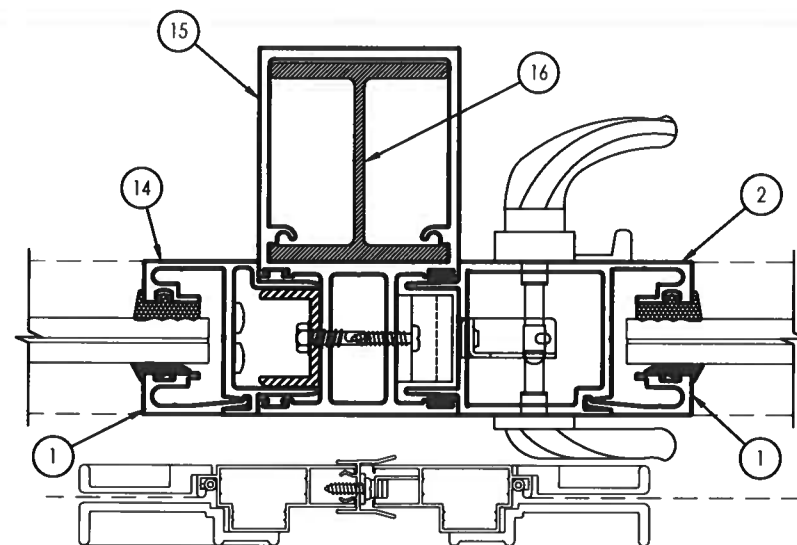
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6 HORIZONTAL CROSS SECTION
With Reinforcement



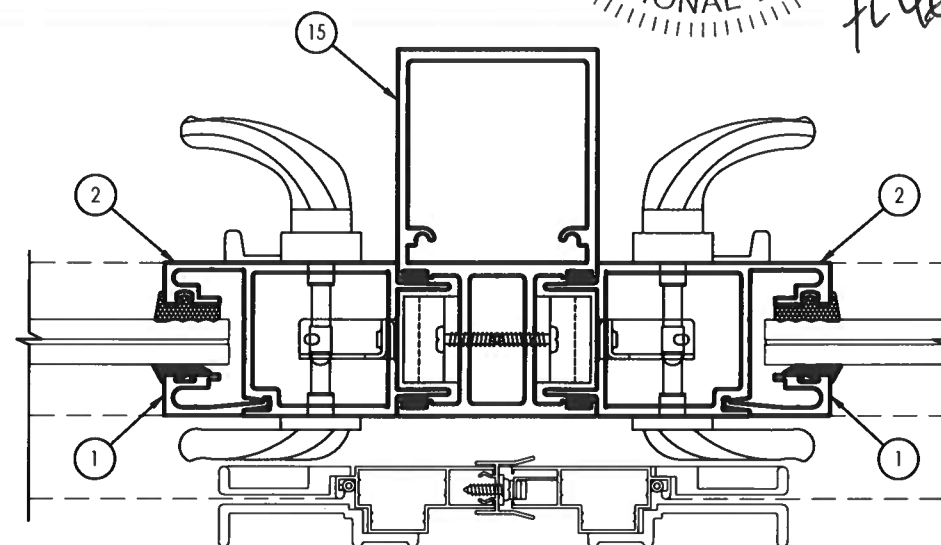
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6 HORIZONTAL CROSS SECTION
Without Reinforcement



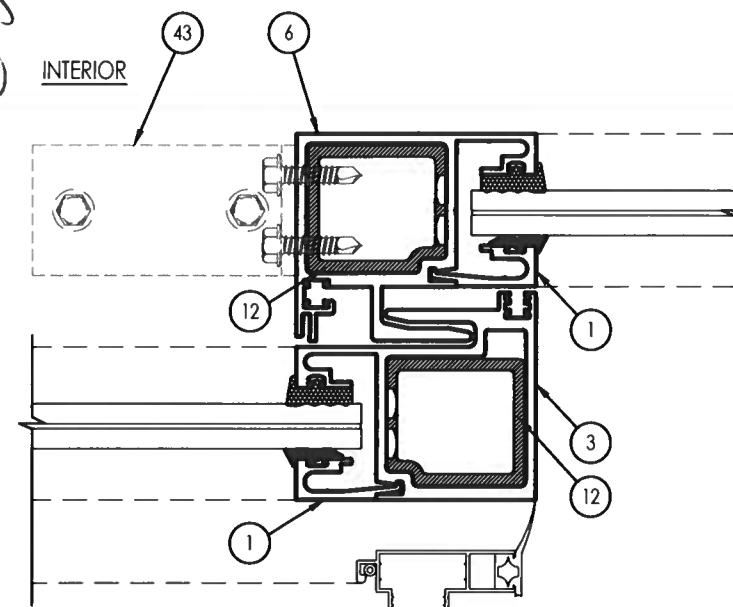
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6 HORIZONTAL CROSS SECTION
Without Reinforcement



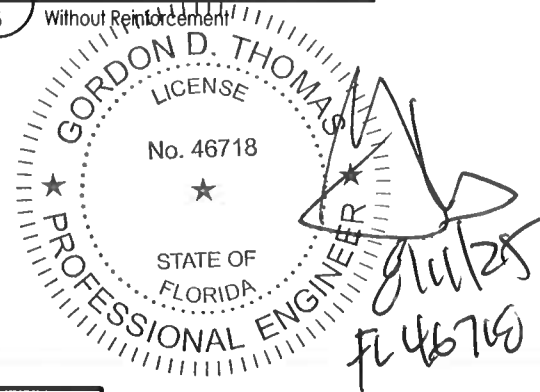
3
6 HORIZONTAL CROSS SECTION
With Reinforcement



7
6 HORIZONTAL CROSS SECTION
Without Reinforcement



4
6 HORIZONTAL CROSS SECTION
With Reinforcement



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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	

DATE: 08/09/19

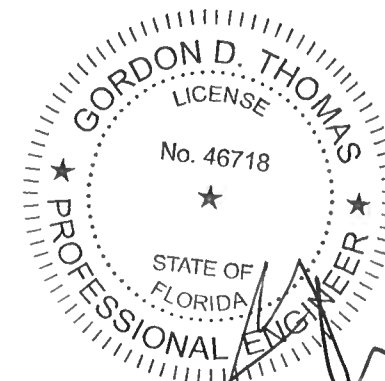
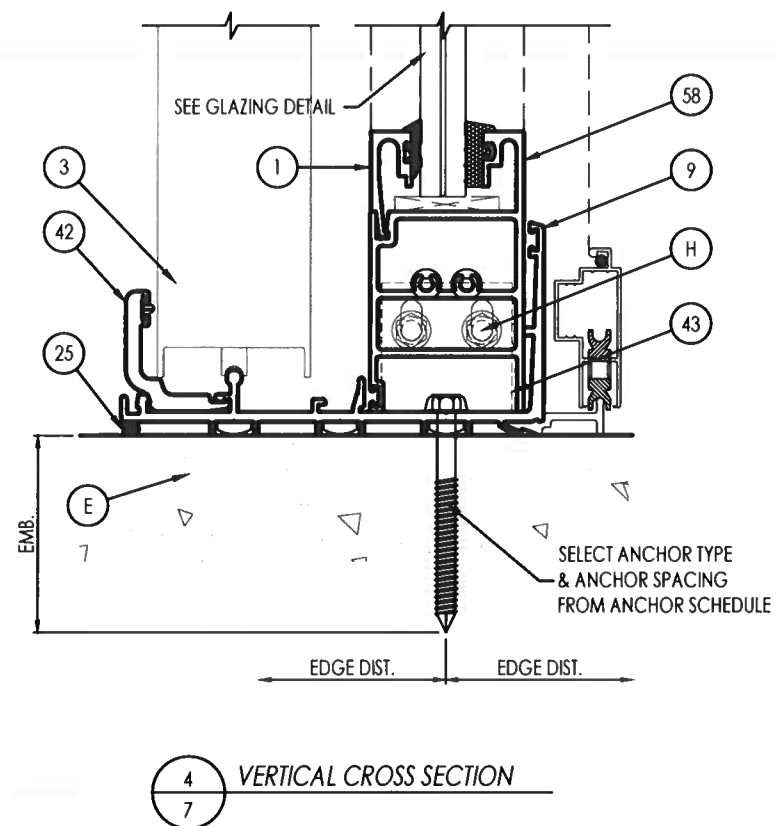
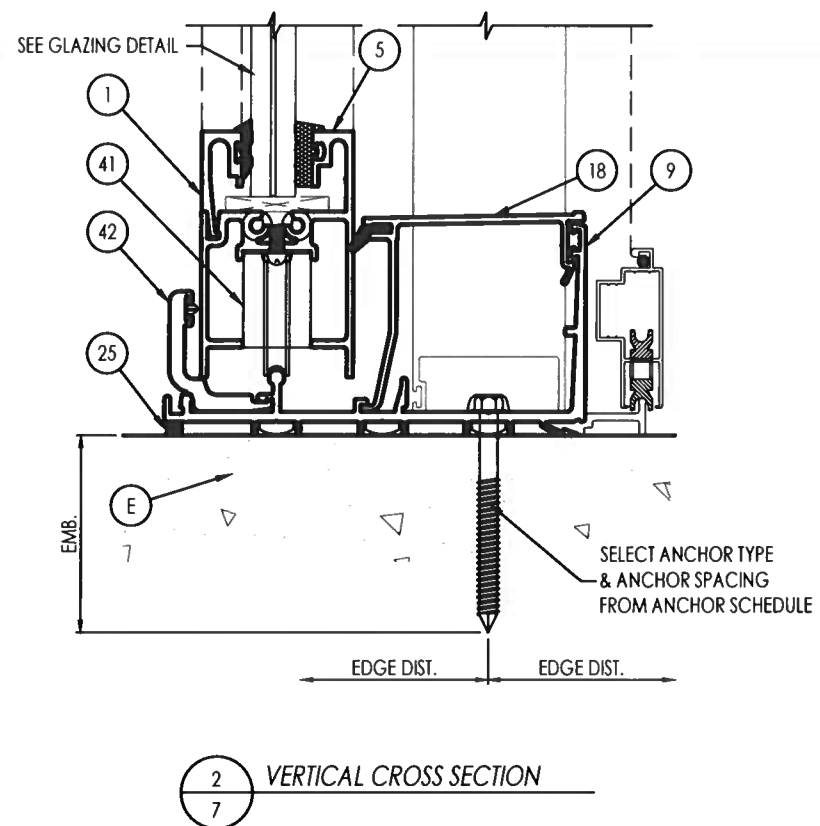
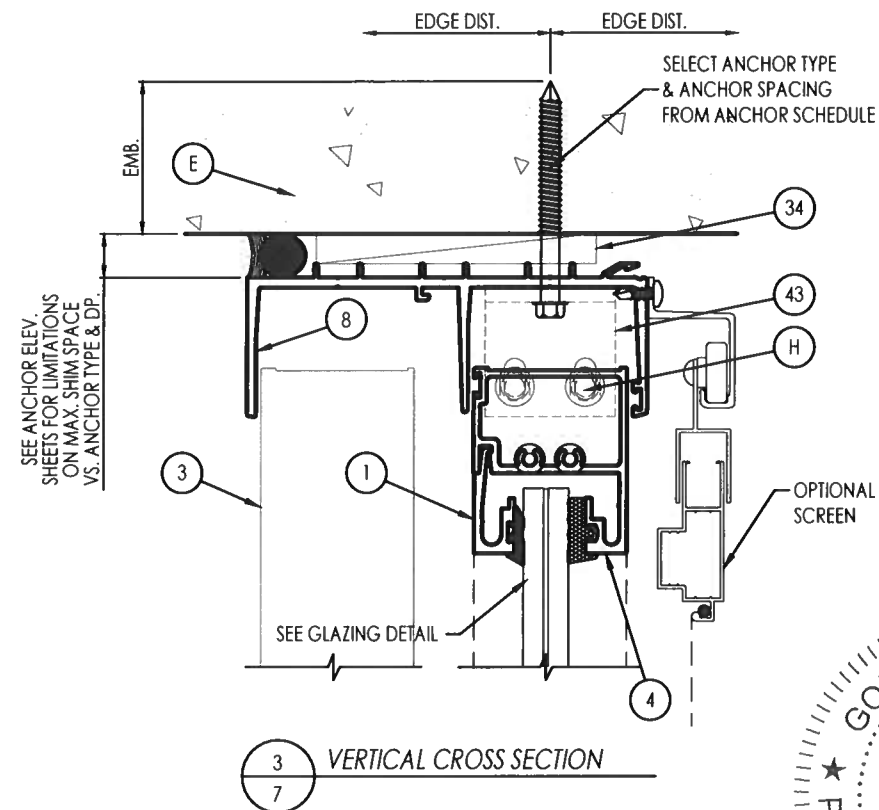
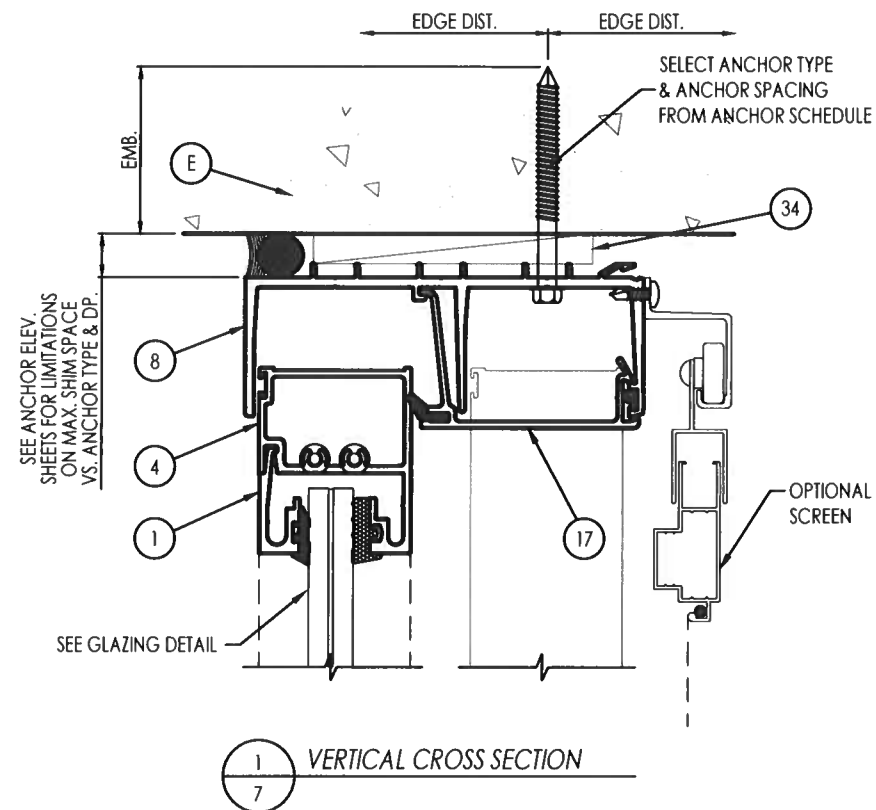
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DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15903.12

SHEET: 6 OF 11



*gates
Feb 6 2018*

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)	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

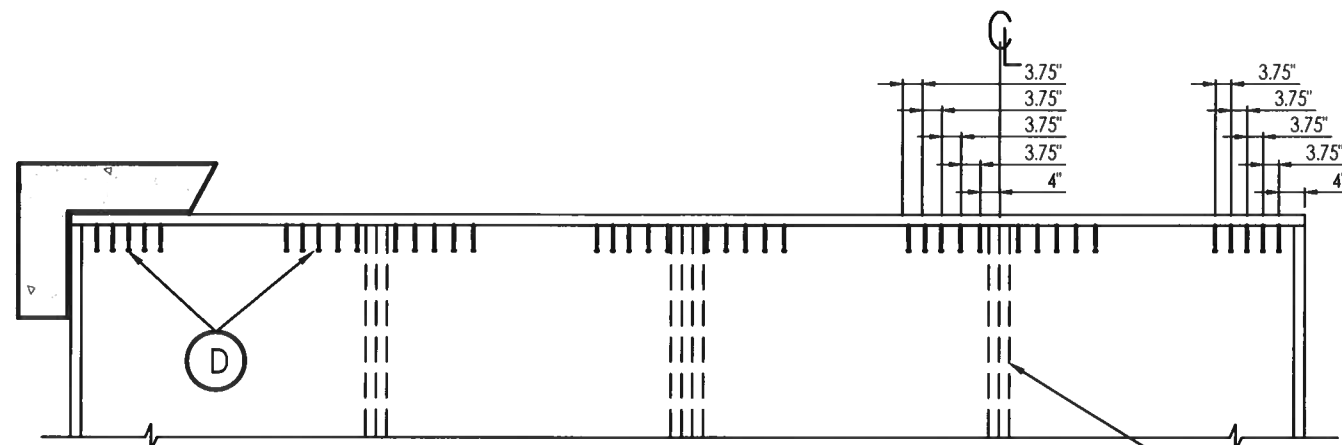
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DWG. BY: CO

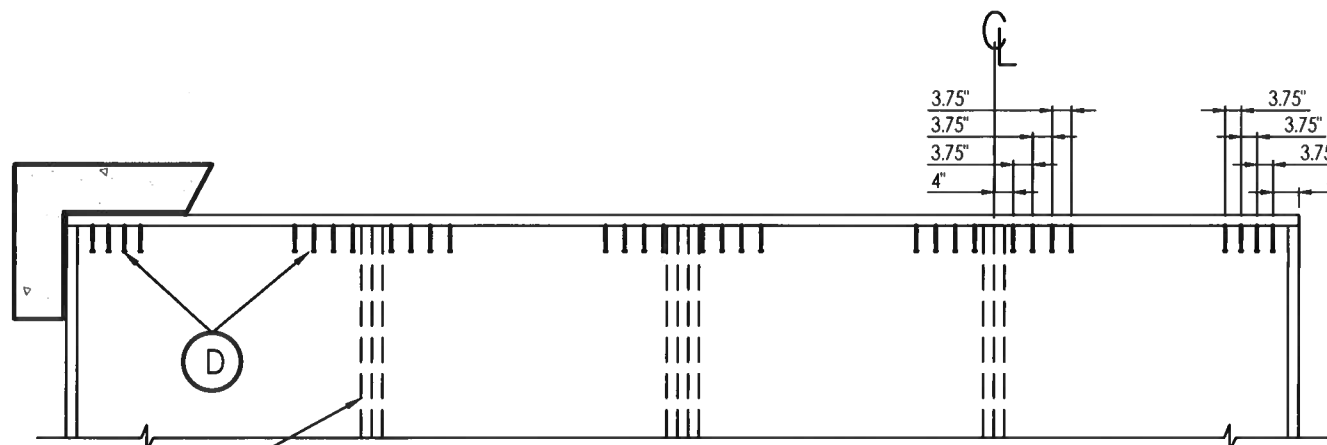
CHK BY: ECV

DRAWING NO.:
FL-15903.12

SHEET: 7 OF 11

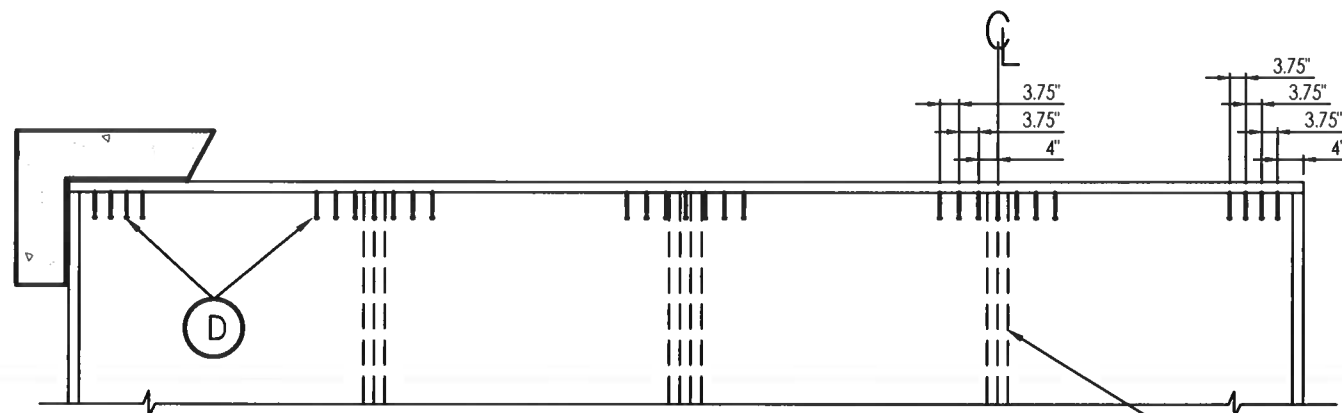
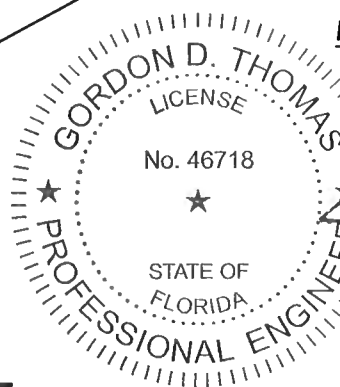


FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .625

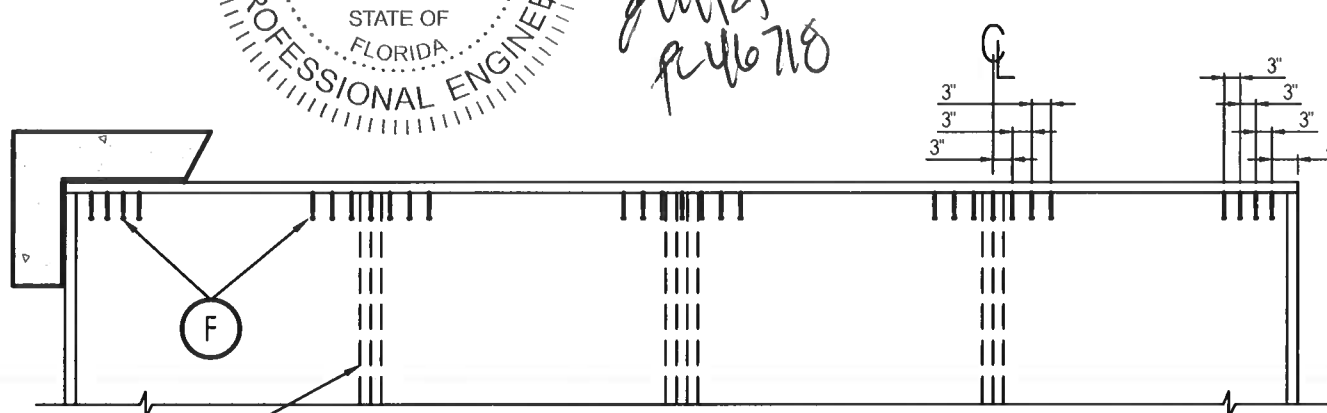


FRAME ANCHORING @ HEAD
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 Max. shim space <= .25

MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY



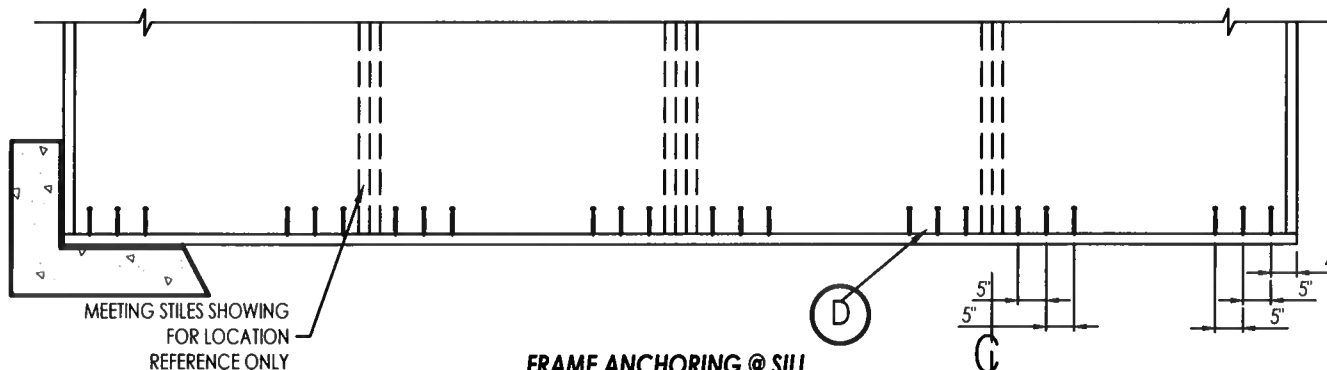
FRAME ANCHORING @ HEAD
 DP <= 80 PSF
 Max. shim space <= .41



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

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.



FRAME ANCHORING @ SILL
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 Max. shim space <= .17

MEETING STILES SHOWING
 FOR LOCATION
 REFERENCE ONLY

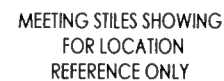
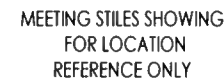
5008 TAMPA WEST BLVD.
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PRODUCT:	SLIDING GLASS DOOR
PART OR ASSEMBLY:	ANCHORING CONCRETE SUBSTRATE

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	
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DWG. BY:	CO
CHK BY:	ECV
DRAWING NO.:	FL-15903.12
SHEET:	8 OF 11



SUBSTRATE

[illegible]

DATE: 08/09/19

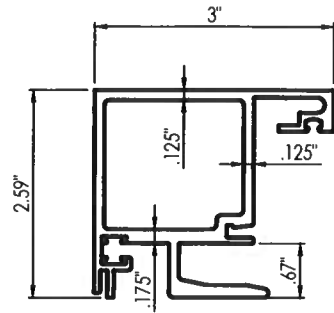
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DWG. BY: CO

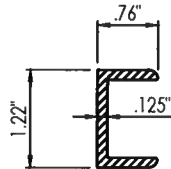
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FL-15903.12

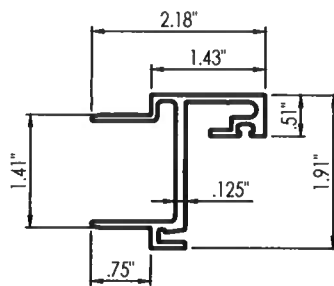
SHEET: **9** OF **11**



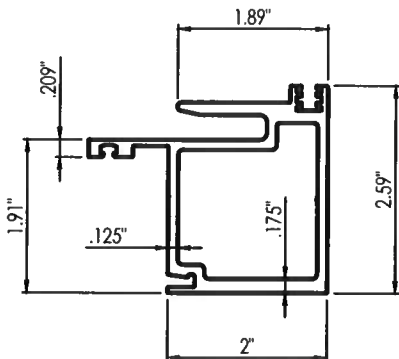
6 INTERLOCK STILE - FIXED PANEL
9/16" GLASS



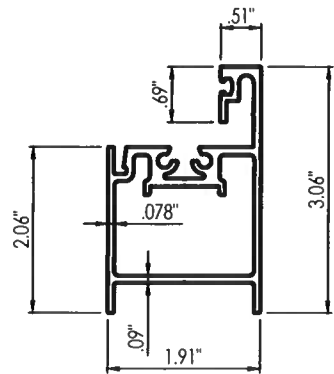
7 FIXED PANEL RETAINING CLIP



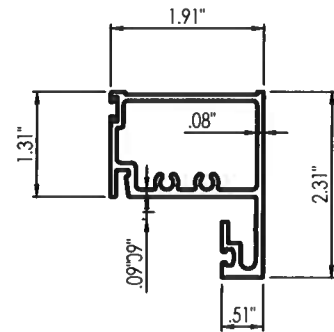
14 FIXED PANEL STILE
9/16" GLASS



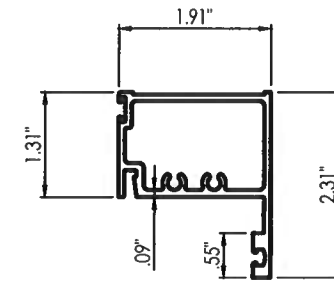
53 I.G. INTERLOCK STILE - MOVING PANEL
1-5/16" GLASS



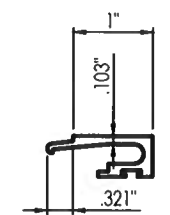
5 BOTTOM RAIL - MOVING PANEL
9/16" GLASS



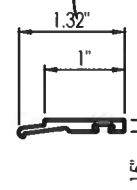
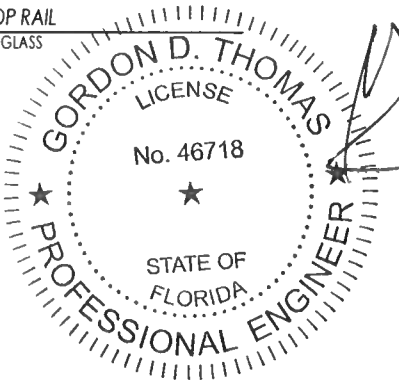
4 TOP RAIL
9/16" GLASS



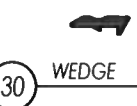
54 I.G. TOP RAIL
1-5/16" GLASS



1 GLAZING BEAD
9/16" GLASS



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



30 WEDGE



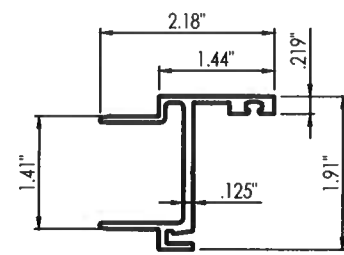
29 PRE-SET GASKET



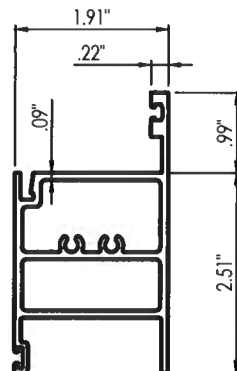
28 PRE-SET GASKET



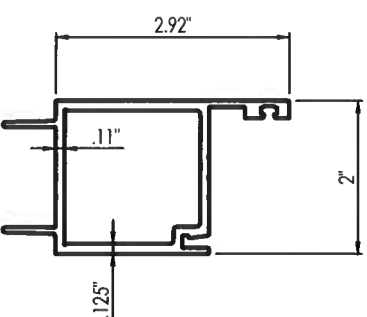
61 WEDGE



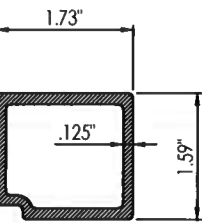
52 I.G. FIXED PANEL STILE
1-5/16" GLASS



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



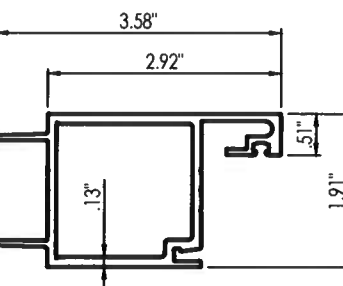
55 I.G. LEAD STILE
1-5/16" GLASS



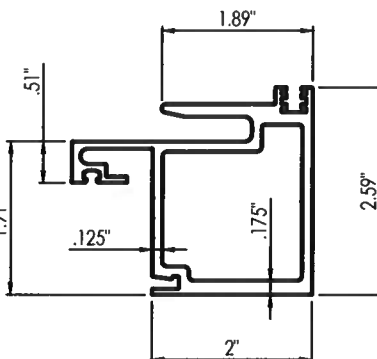
12 REINFORCEMENT



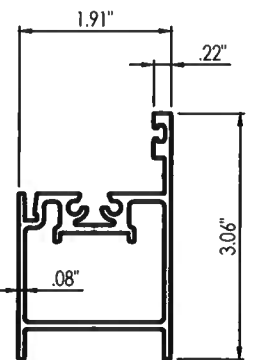
59 FOAM CAULK STOP



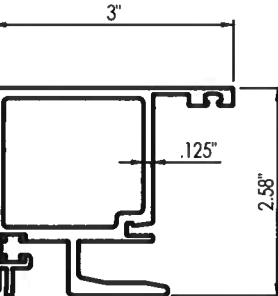
2 LEAD STILE
9/16" GLASS



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



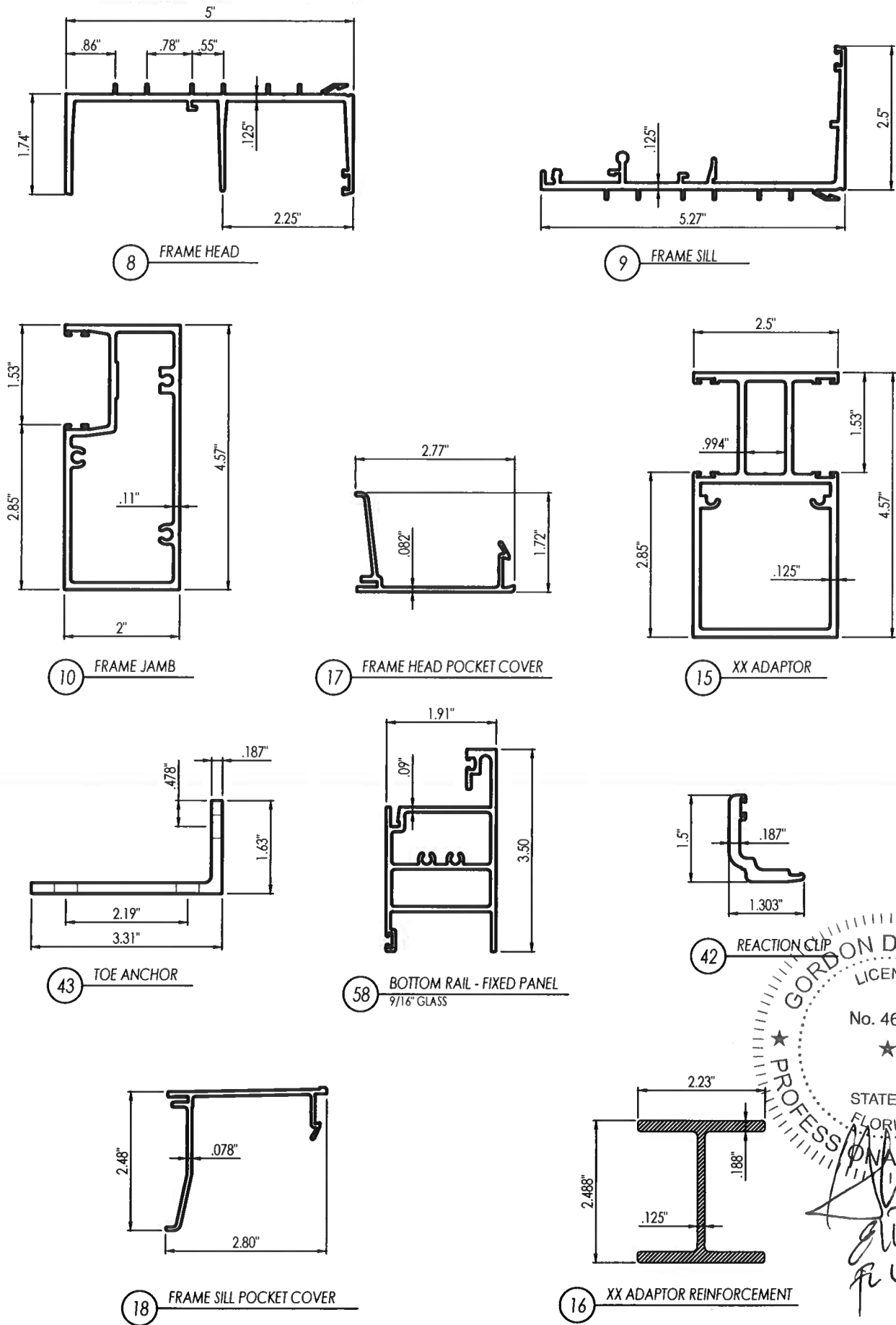
PRODUCT:
SLIDING GLASS DOOR

PART OR ASSEMBLY:
COMPONENTS

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 JOB	
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-15903.12
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
14	FIXED PANEL STILE 6063-T6 (9/16")	ALUM
15	XX ADAPTOR 6005-T5	ALUM
16	XX ADAPTOR 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" 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
59	CAULK STOP, EPDM CLOSED CELL FOAM (9/16" & 1-5/16" GLAZING) (TREMCO)	EPDM
60	STRUCTURAL SILICONE DOW 995	SILICONE
61	WEDGE 70±5 EPDM (9/16" & 1-5/16" GLAZING) (TREMCO)	EPDM



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PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

REV	DATE	DESCRIPTION	BY
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DATE: 08/09/19
SCALE: NTS
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15903.12
SHEET: 11 OF 11