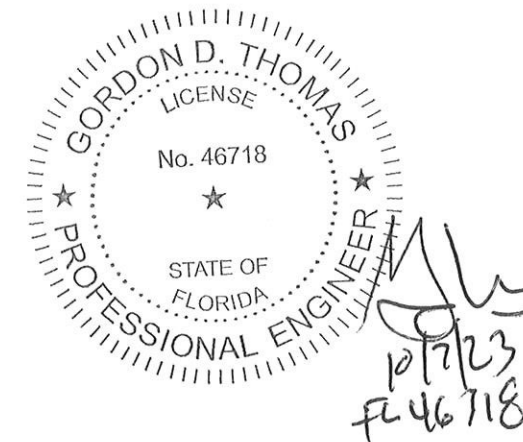


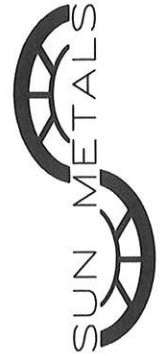
GORDON D. THOMAS
 LICENSE
 No. 46718
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

10/7/23
 46718

		5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666	
PRODUCT: SERIES 650WS WINDOW WALL NON-IMPACT		PART OR ASSEMBLY: GENERAL NOTES ELEVATION AND DESIGN PRESSURES	
			ECV
		UPDATE TO 8TH ED. (2023)	FBC
		UPDATE TO 7TH ED. (2020)	FBC
		NO	DATE
			DESCRIPTION
			BY
REVISIONS			
DATE: 11/30/17			
SCALE: NA			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL24544.3			
SHEET: 1 OF 10			



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



PRODUCT: SERIES 650WS WINDOW WALL NON-IMPACT		PART OR ASSEMBLY: ELEVATION CAPTURED/REINFORCED	
2	9/15/23	UPDATE TO 8TH ED. (2023)	FBC ECV
1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC JOB
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 11/30/17			
SCALE: AS INDICATED			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL24544.3			
SHEET: 2 OF 10			



PART OR ASSEMBLY: _____
ELEVATION _____
CAPTURED/NON-REINFORCED _____

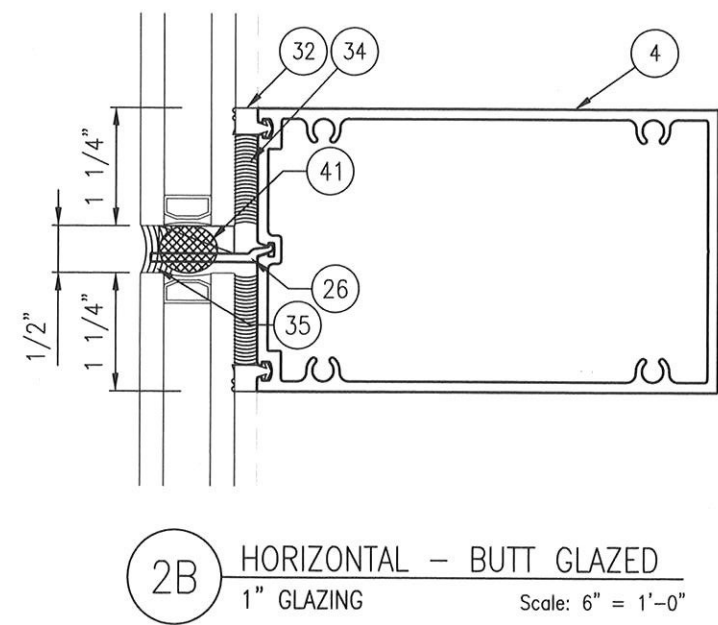
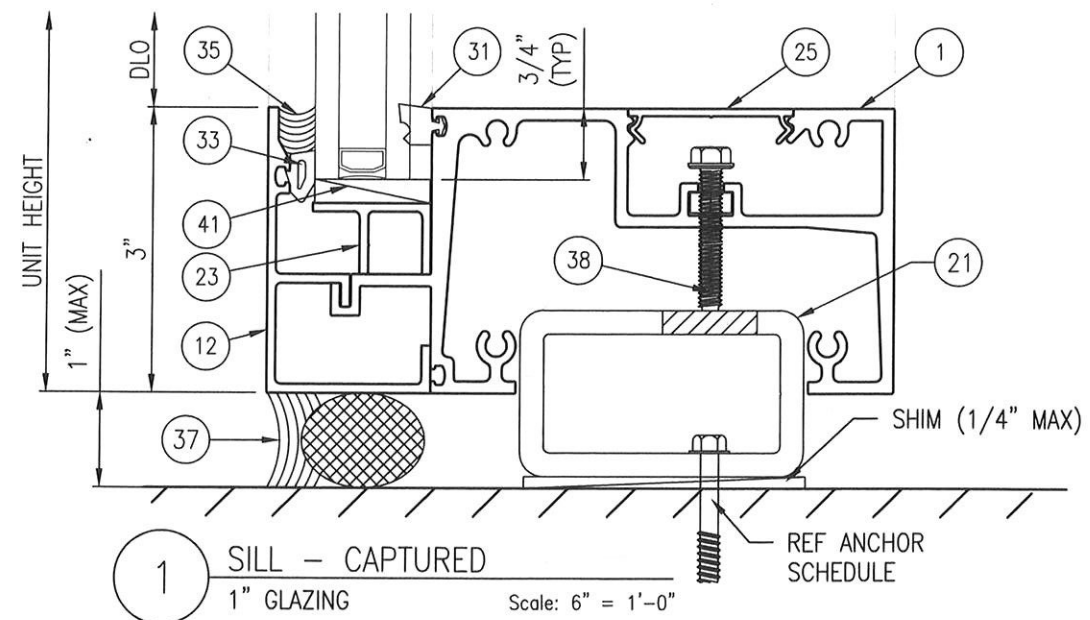
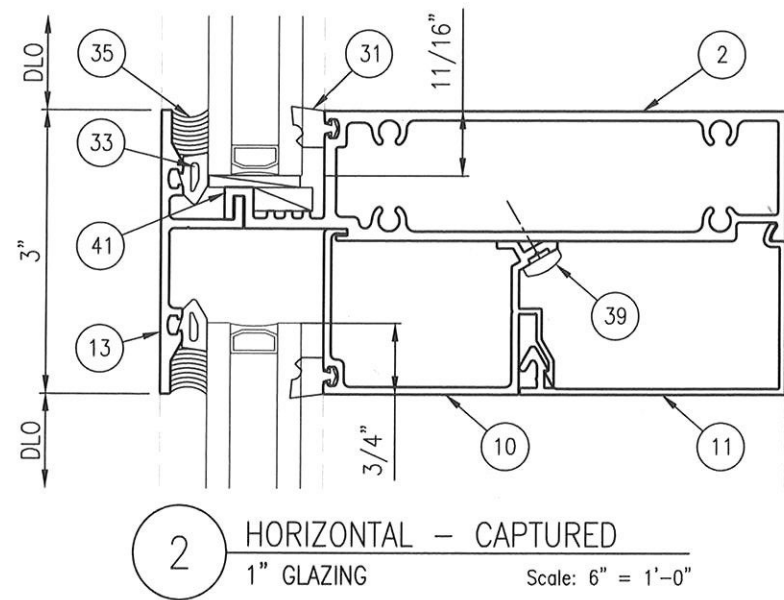
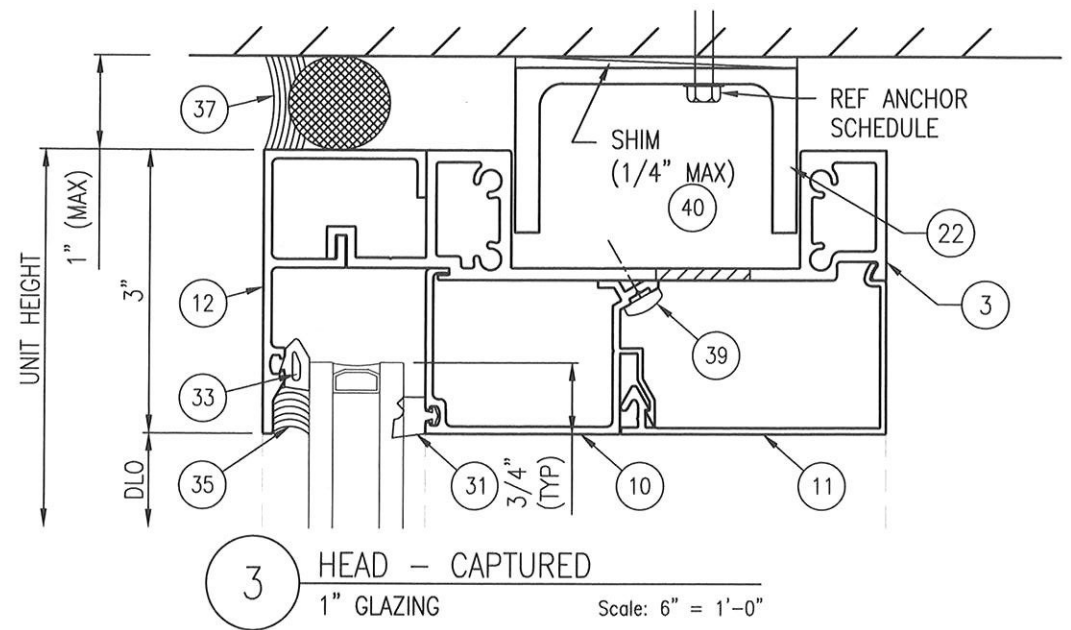
DATE: 11/30/17
SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL24544.3
SHEET: 3 OF 10



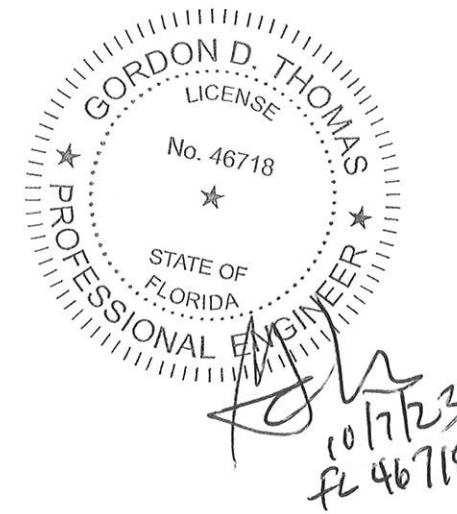
SUN METALS

PART OR ASSEMBLY:
ELEVATION
BUTT-GLAZED/NON-REINFORCED

DATE: 11/30/17
SCALE: AS INDICATED
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL24544.3
SHEET: 5 OF 10



42 ALL FRAME ASSEMBLY SCREWS TO BE
#14 X 1-1/2" PH S/S SMS



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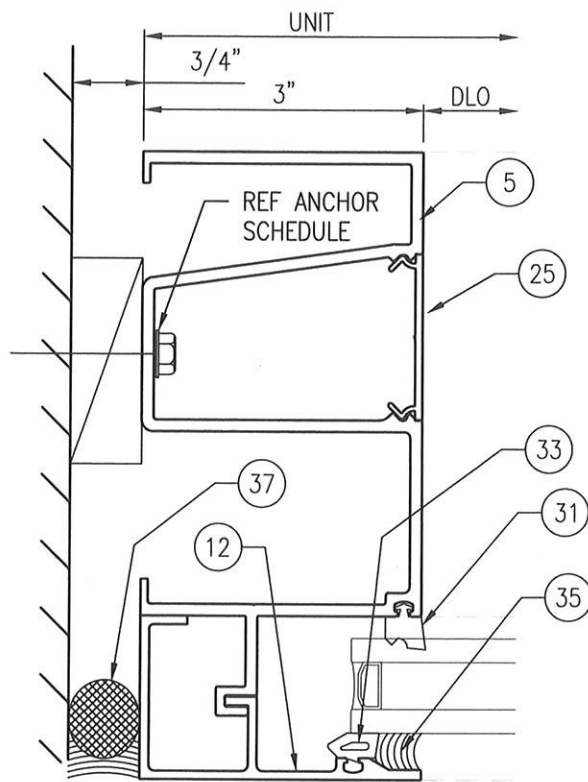


PRODUCT:
SERIES 650WS WINDOW WALL
NON-IMPACT

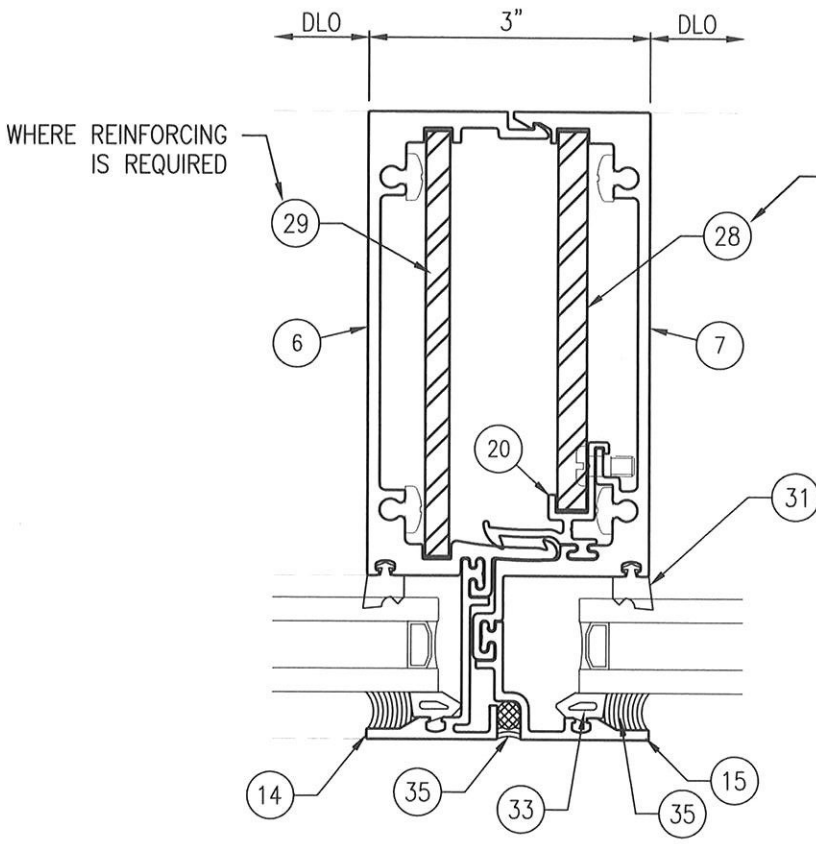
PART OR ASSEMBLY:
HORIZONTAL DETAILS

NO	DATE	DESCRIPTION	BY
2	9/15/23	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
1		REVISIONS	

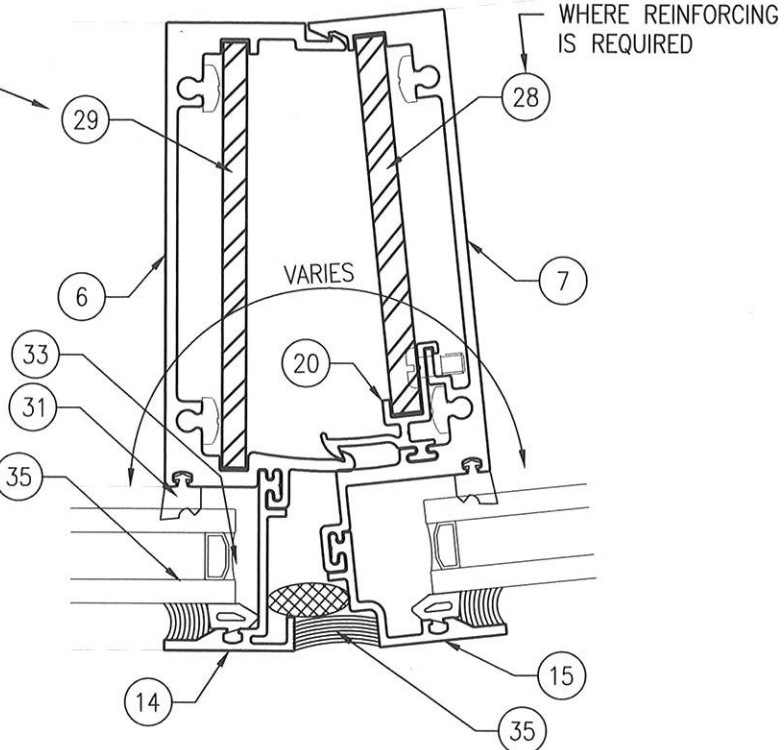
DATE: 11/30/17
SCALE: HALF
DWG. BY: CO
CHK BY: ECV
DRAWING NO.:
FL24544.3
SHEET: 6 OF 10



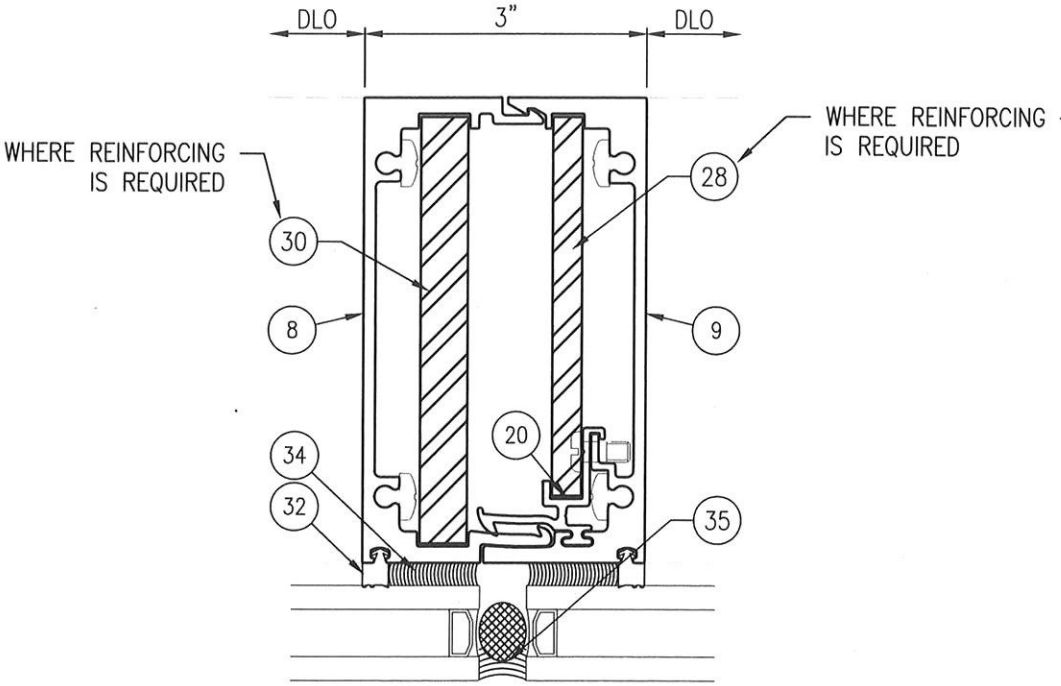
4 JAMB - CAPTURED
1" GLAZING
Scale: 6" = 1'-0"



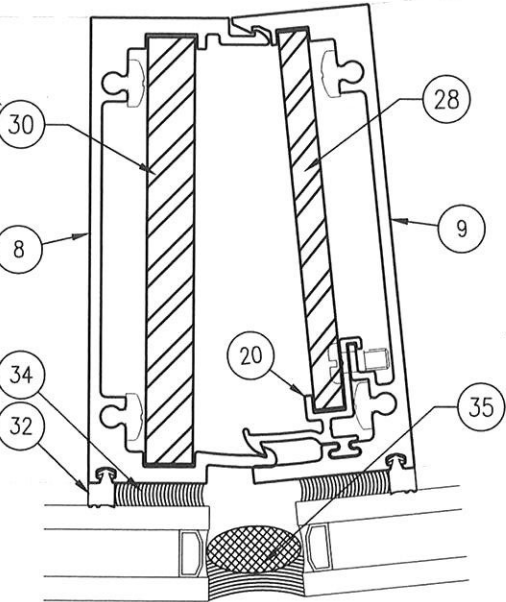
5 MULLION - CAPTURED
1" GLAZING
Scale: 6" = 1'-0"



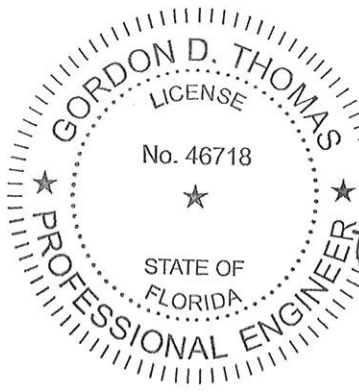
6 MULLION - CAPTURED (SPLAYED)
1" GLAZING
Scale: 6" = 1'-0"



7 MULLION - BUTT GLAZED
1-5/16" GLAZING
Scale: 6" = 1'-0"

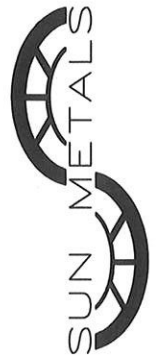


8 MULLION - BUTT GLAZED (SPLAYED)
1-5/16" GLAZING
Scale: 6" = 1'-0"



10/7/23
FL 46718

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



PRODUCT:
SERIES 650WS WINDOW WALL
NON-IMPACT

PART OR ASSEMBLY:
VERTICAL DETAILS

NO	DATE	DESCRIPTION	BY
2	9/15/23	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 11/30/17

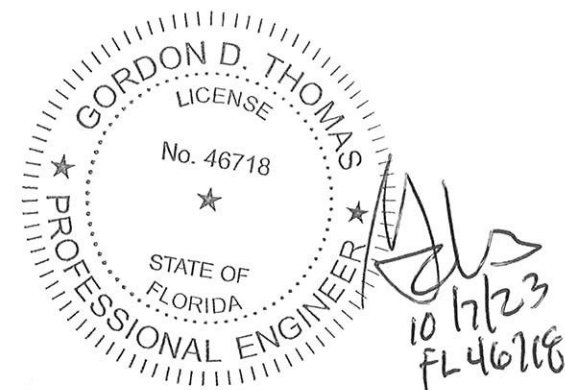
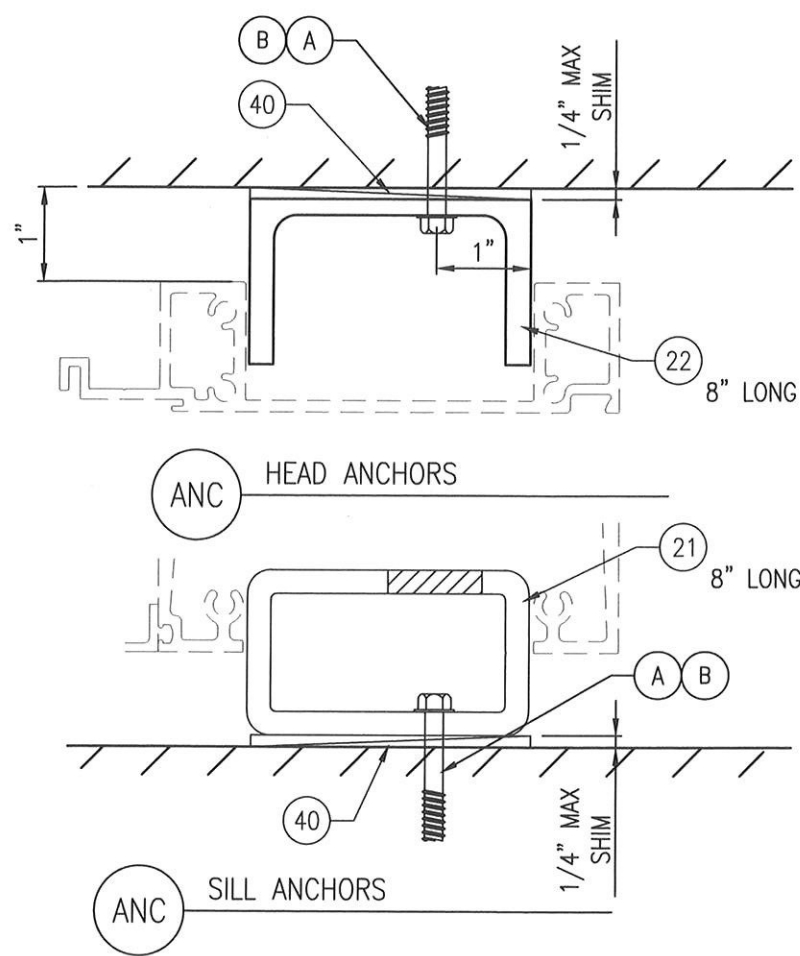
SCALE: HALF

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL24544.3

SHEET: 7 OF 10



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



PRODUCT:
SERIES 650WS WINDOW WALL
NON-IMPACT

PART OR ASSEMBLY:
ANCHORS AND GLAZING

NO	DATE	DESCRIPTION	BY
2	9/15/23	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 11/30/17

SCALE: NA

DWG. BY: CO

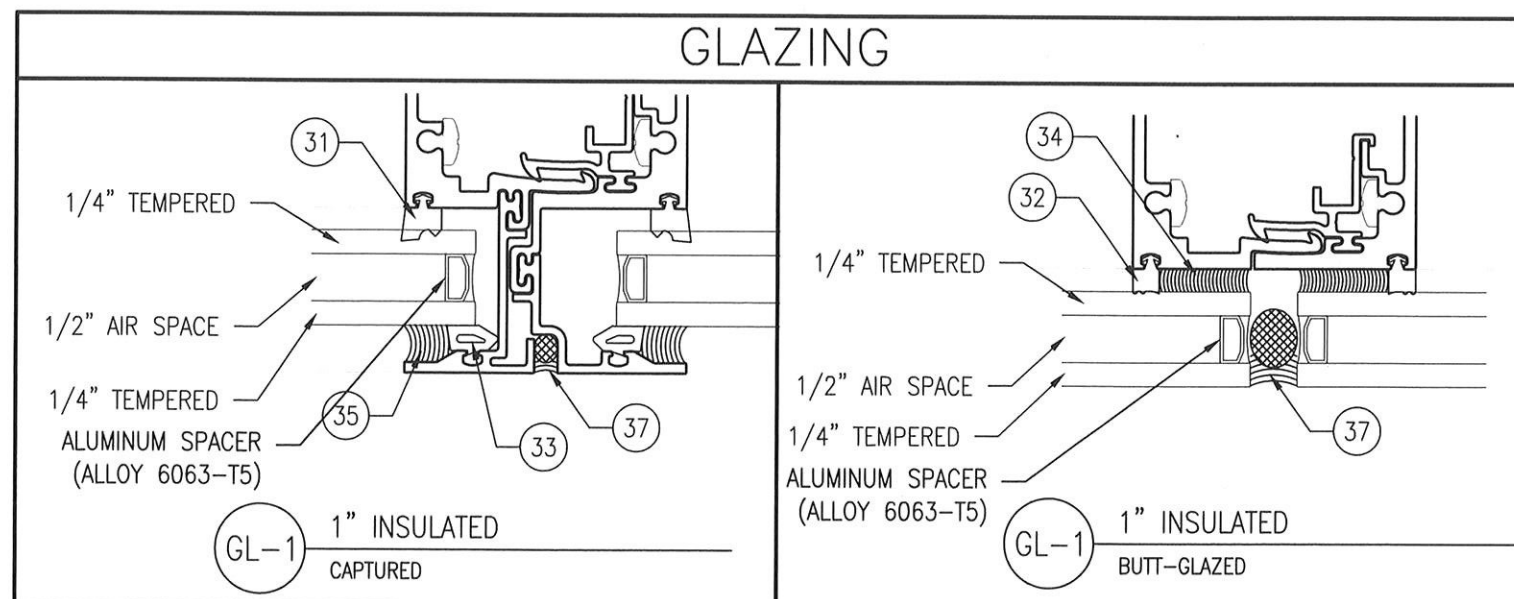
CHK BY: ECV

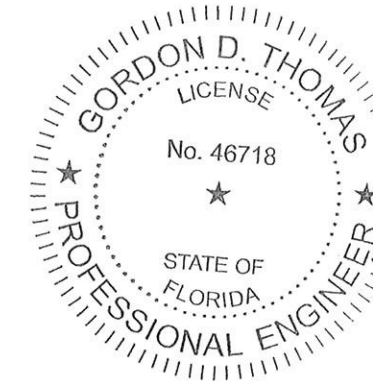
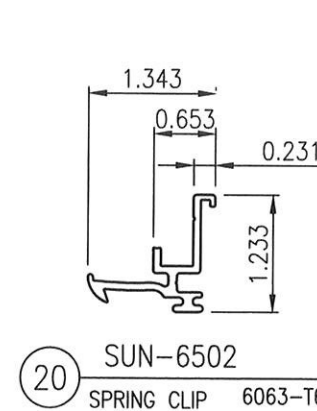
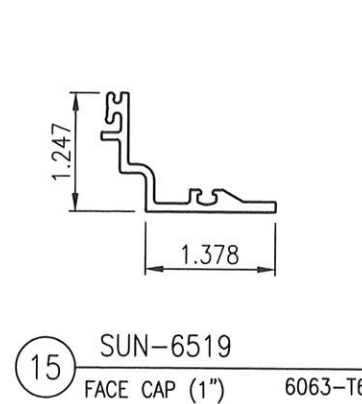
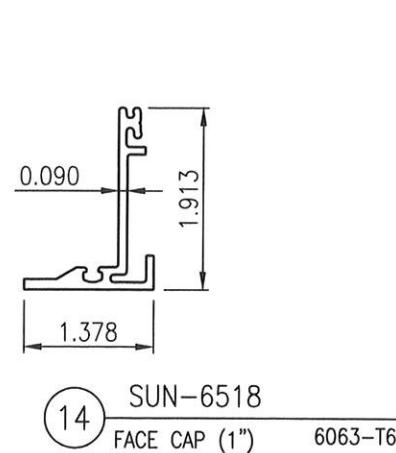
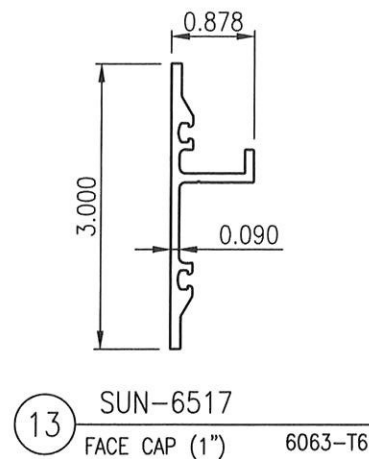
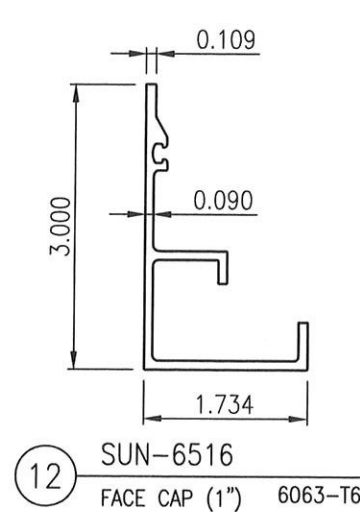
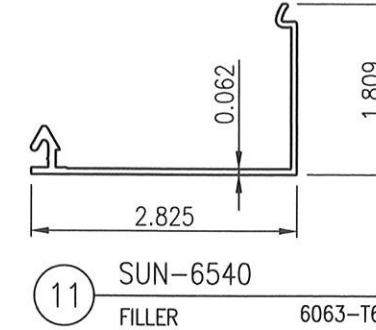
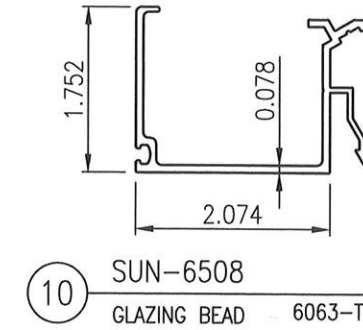
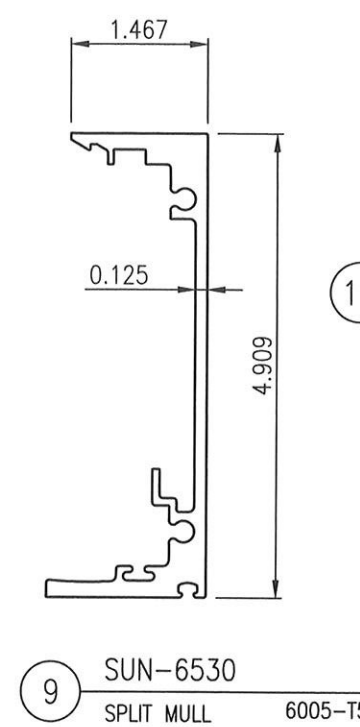
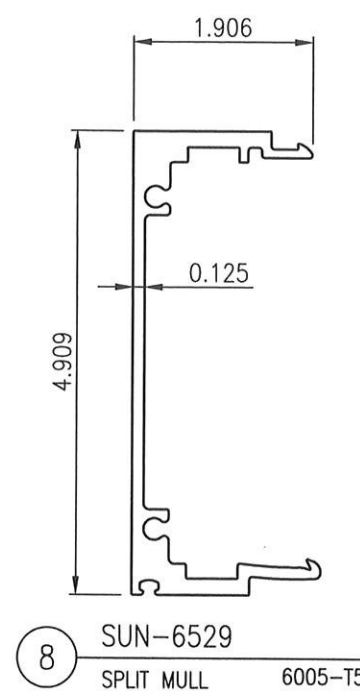
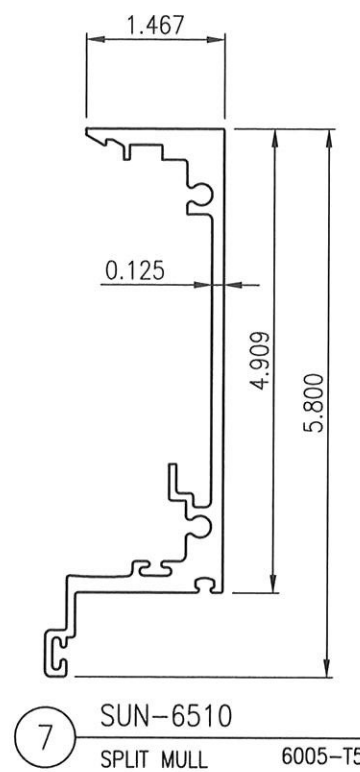
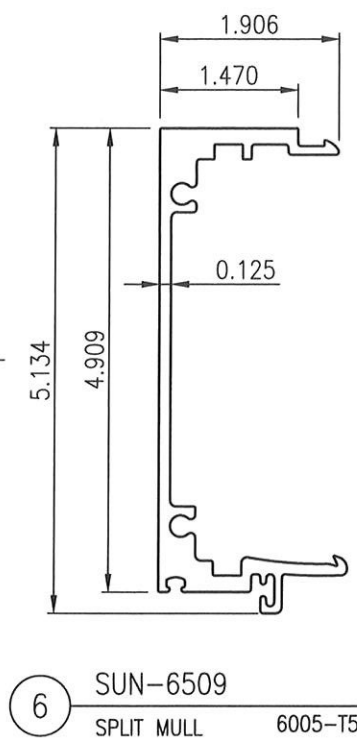
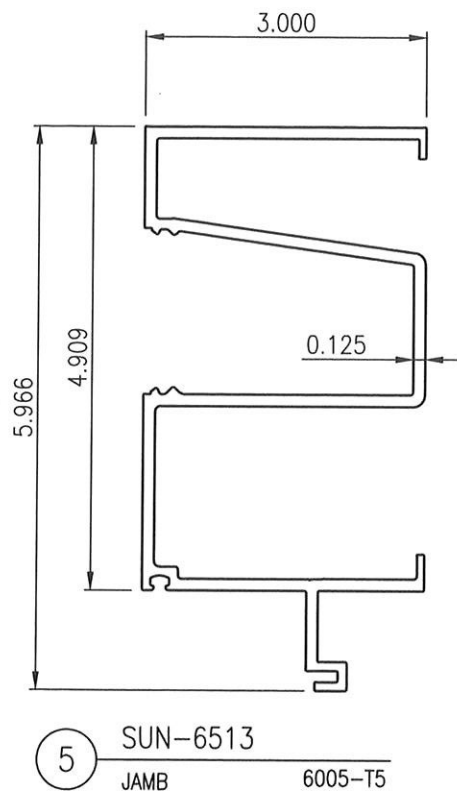
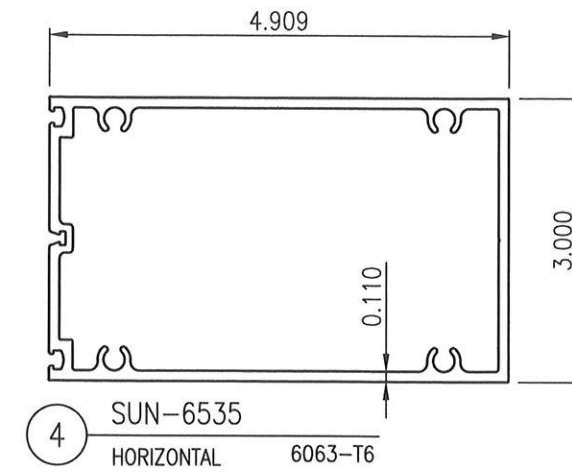
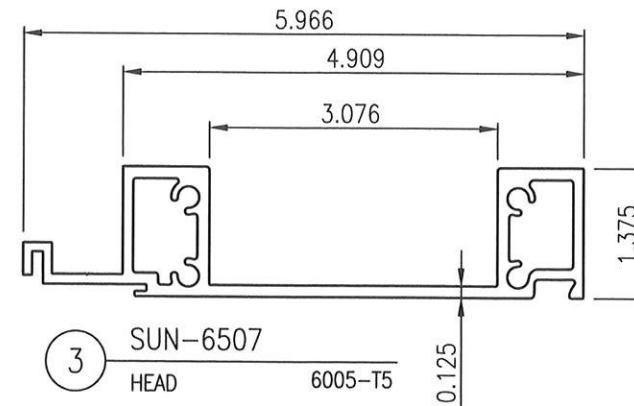
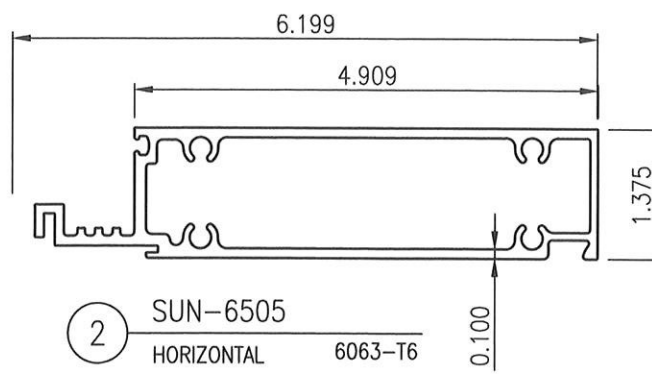
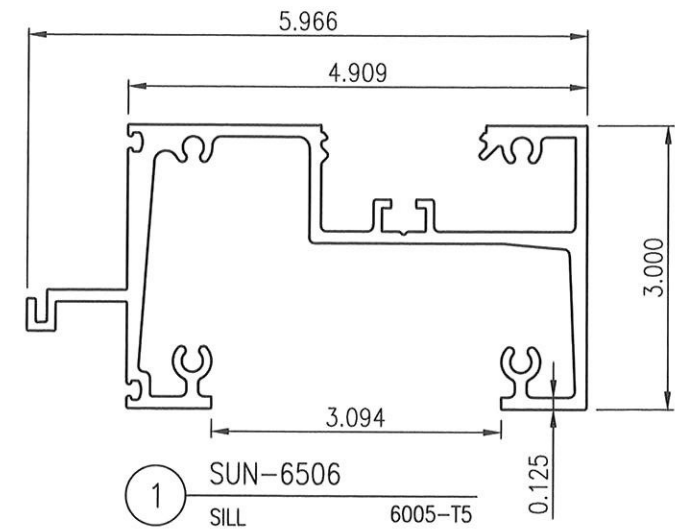
DRAWING NO.:
FL24544.3

SHEET: 8 OF 10

ANCHOR SCHEDULE (100 PSF/REINFORCED)		
PRIMARY HEAD AND SILL ANCHORS		
SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	A	3/8" Powers Wedge Bolt with 2-1/8" min embedment, 4" minimum edge distance. Minimum clip length 8". Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	B	5/16" diameter self drilling screws or bolts. Steel with 0.125" minimum wall thickness conforming to ASTM A500 Grade B, Fy=46,000 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.
JAMB ANCHORS		
CONCRETE	C	3/8" Powers Wedge Bolt with 2-1/8" min embedment. Minimum clip length 8". Concrete is 4,000 PSI minimum conforming to ACI 301.
STEEL	D	3/8" diameter self drilling screws or bolts. Steel with 0.125" minimum wall thickness conforming to ASTM A500 Grade B, Fy=46,000 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.

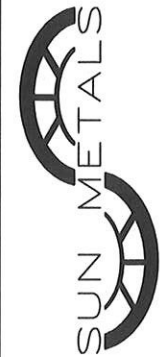
ANCHOR SCHEDULE (55 PSF/NON-REINFORCED)		
PRIMARY HEAD AND SILL ANCHORS		
SUBSTRATE	ANCHOR TYPE	DESCRIPTION
CONCRETE	A	5/16" HWH ITW Tapcon® XL concrete anchor with 1-3/4" min. embedment, 2-1/2" minimum edge distance. Minimum clip length 8". Concrete is 3,000 PSI minimum conforming to ACI 301.
STEEL	B	1/4" diameter self drilling screws. Steel with 0.125" minimum wall thickness conforming to ASTM A500 Grade B, Fy=46,000 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.





10/17/23
FL46718

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



PRODUCT:
SERIES 650WS WINDOW WALL
NON-IMPACT

PART OR ASSEMBLY:
COMPONENTS

NO	DATE	DESCRIPTION	BY
2	9/15/23	UPDATE TO 8TH ED. (2023) FBC	ECV
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 11/30/17

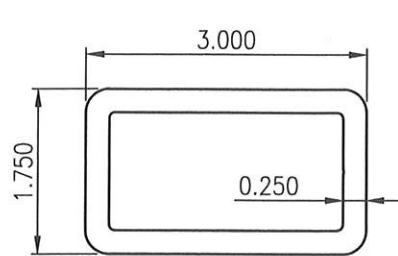
SCALE: HALF

DWG. BY: CO

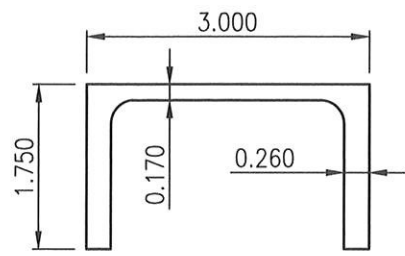
CHK BY: ECV

DRAWING NO.:
FL24544.3

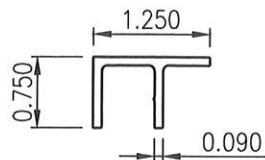
SHEET: 9 OF 10



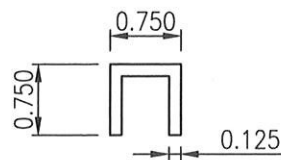
21 SUN-6501
STARTER TUBE 6005-T5



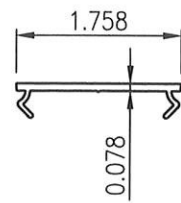
22 C3 X 1.75 X .170/.260
ANCHOR CHANNEL 6005-T5



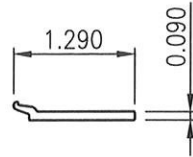
23 SUN-422
SETTING CHAIR 6063-T6



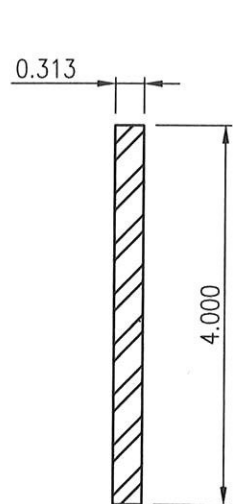
24 ALUMINUM CHANNEL
SETTING CHAIR 6063-T5



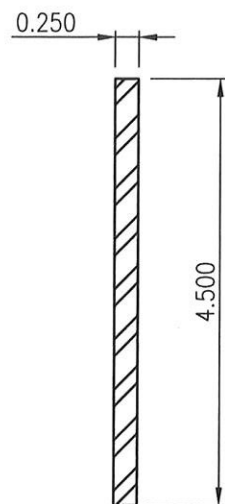
25 SUN-402
POCKET FILLER 6063-T6



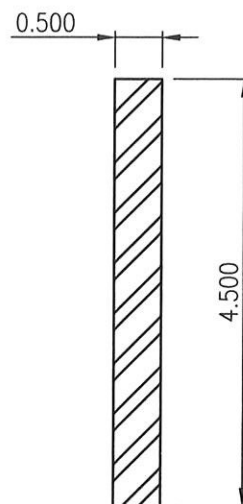
26 SUN-6117
SETTING CHAIR 6063-T6



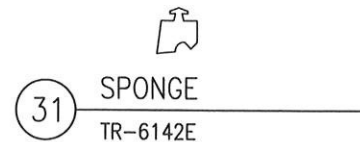
28 4" X 5/16" BAR
STEEL REINFORCING A36



29 4-1/2" X 1/4" BAR
STEEL REINFORCING A36



30 4-1/2" X 1/2" BAR
STEEL REINFORCING A36



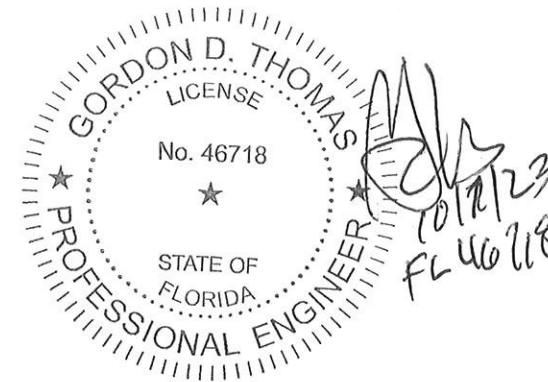
31 SPONGE
TR-6142E



32 CAULK STOP
TR-10681S



33 WEDGE
G-1863



BILL OF MATERIALS					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	SUN-6506	SILL	6005-T5	SUN METALS	
2	SUN-6505	HORIZONTAL	6063-T6	SUN METALS	
3	SUN-6507	HEAD	6005-T5	SUN METALS	
4	SUN-6535	HORIZONTAL (BUTT-GLAZED)	6063-T6	SUN METALS	
5	SUN-6513	JAMB	6005-T5	SUN METALS	
6	SUN-6509	MALE SPLIT MULLION (CAPTURED)	6005-T5	SUN METALS	
7	SUN-6510	FEMALE SPLIT MULLION (CAPTURED)	6005-T5	SUN METALS	
8	SUN-6529	MALE SPLIT MULLION (BUTT-GLAZED)	6005-T5	SUN METALS	
9	SUN-6530	FEMALE SPLIT MULLION (BUTT-GLAZED)	6005-T5	SUN METALS	
10	SUN-6508	INTERIOR GLAZING BEAD	6063-T6	SUN METALS	
11	SUN-6540	HORIZONTAL FILLER TRIM	6063-T6	SUN METALS	
12	SUN-6516	FACE CAP (1" GLAZING)	6063-T6	SUN METALS	
13	SUN-6517	FACE CAP (1" GLAZING)	6063-T6	SUN METALS	
14	SUN-6518	FACE CAP (1" GLAZING)	6063-T6	SUN METALS	
15	SUN-6519	FACE CAP (1" GLAZING)	6063-T6	SUN METALS	
16	NA	NOT USED			
17	NA	NOT USED			
18	NA	NOT USED			
19	NA	NOT USED			
20	SUN-6502	SPRING CLIP	6063-T6	SUN METALS	
21	SUN-6501	STARTER TUBE	6005-T5	SUN METALS	
22		3 X 1-3/4 X .170/.260 ALUMINUM CHANNEL	6005-T5	VARIES	
23	SUN-422	SETTING CHAIR	6063-T6	SUN METALS	
24		3/4" x 3/4" x 1/8" ALUM CHANNEL (4" LONG)	6063-T5	VARIES	SETTING CHAIR
25	SUN-402	POCKET FILLER	6063-T6	SUN METALS	
26	SUN-6117	SETTING CHAIR (1" BUTT-GLAZED)	6063-T6	SUN METALS	
27	NA	NOT USED			
28		4"x5/16" STEEL BAR	A36	VARIES	
29		4-1/2"x1/4" STEEL BAR	A36	VARIES	
30		4-1/2"x1/2" STEEL BAR	A36	VARIES	
31	TR-6142E	SPONGE	EPDM	TREMCO	
32	TR-10681S	CAULK STOP	SILICONE	TREMCO	
33	G-1863	WEDGE	EPDM	GRP	
34	DOW 983	STRUCTURAL SILICONE	SILICONE	DOW CORNING	
35	DOW 795	PERIMETER CAP BEAD WEATHERSEAL	SILICONE	DOW CORNING	
37		PERIMETER WEATHERSEAL AND BACKER ROD	SILICONE	DOW CORNING	DOW 790, 791, 795 OR APPROVED EQ.
38		1/4" DIA. JACKING/LEVELING SCREW	18-8 SS		
39		#12 x 3/4" PH SMS	18-8 SS		
40		SHIM	POLYSTYRENE	VARIES	FULL BEARING HIGH IMPACT POLYSTYRENE
41		SETTING BLOCK (4" LONG)	SILICONE	VARIES	
42		#14 x 1-1/2" PH S/S FRAME ASSY SCREWS	18-8 SS		

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TAMPA, FLORIDA 33634
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PRODUCT:

SUN 650WS
NON-IMPACT

PART OR ASSEMBLY:

COMPONENTS AND
BILL OF MATERIALS

NO	DATE	DESCRIPTION	BY
2	9/15/23	UPDATE TO 8TH ED. (2023) FBC ECV	
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC JCB	

DATE: 11/30/17

SCALE: HALF

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL24544.3

SHEET: 10 OF 10