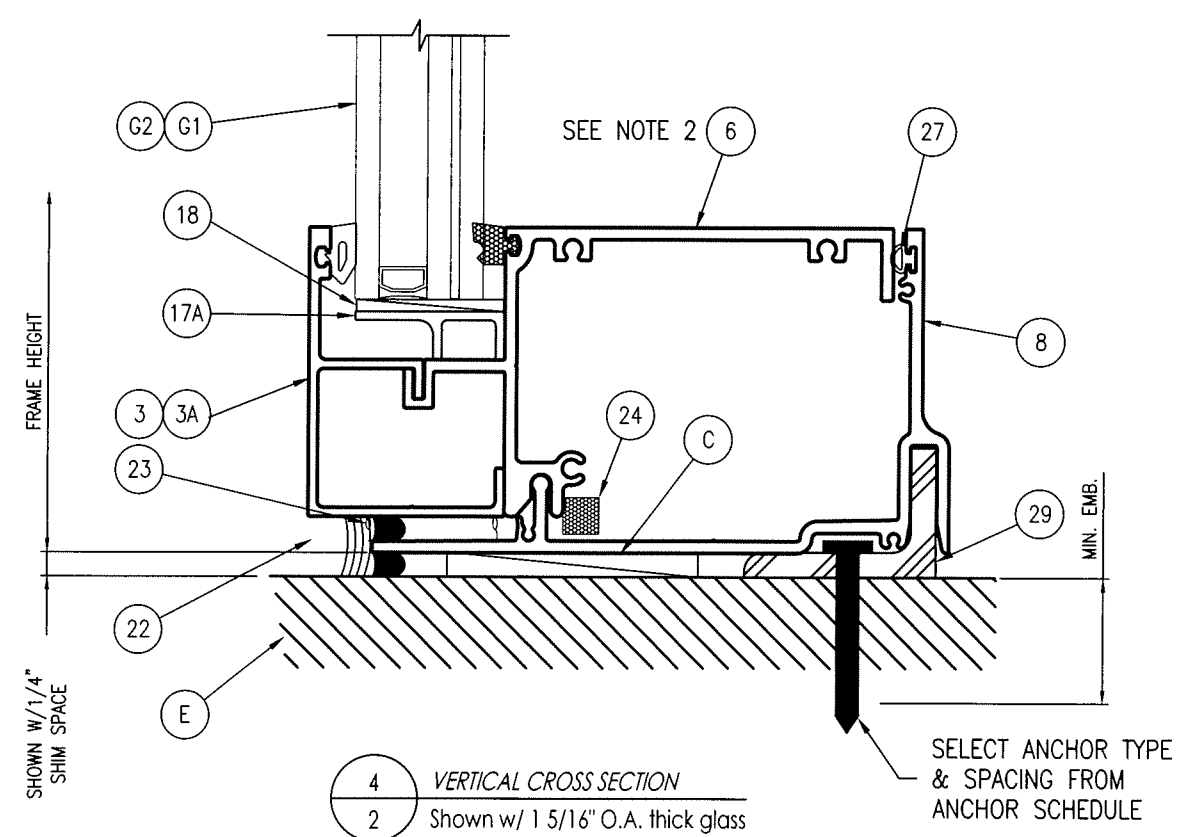
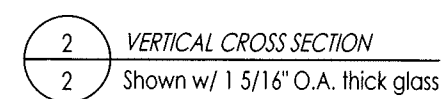
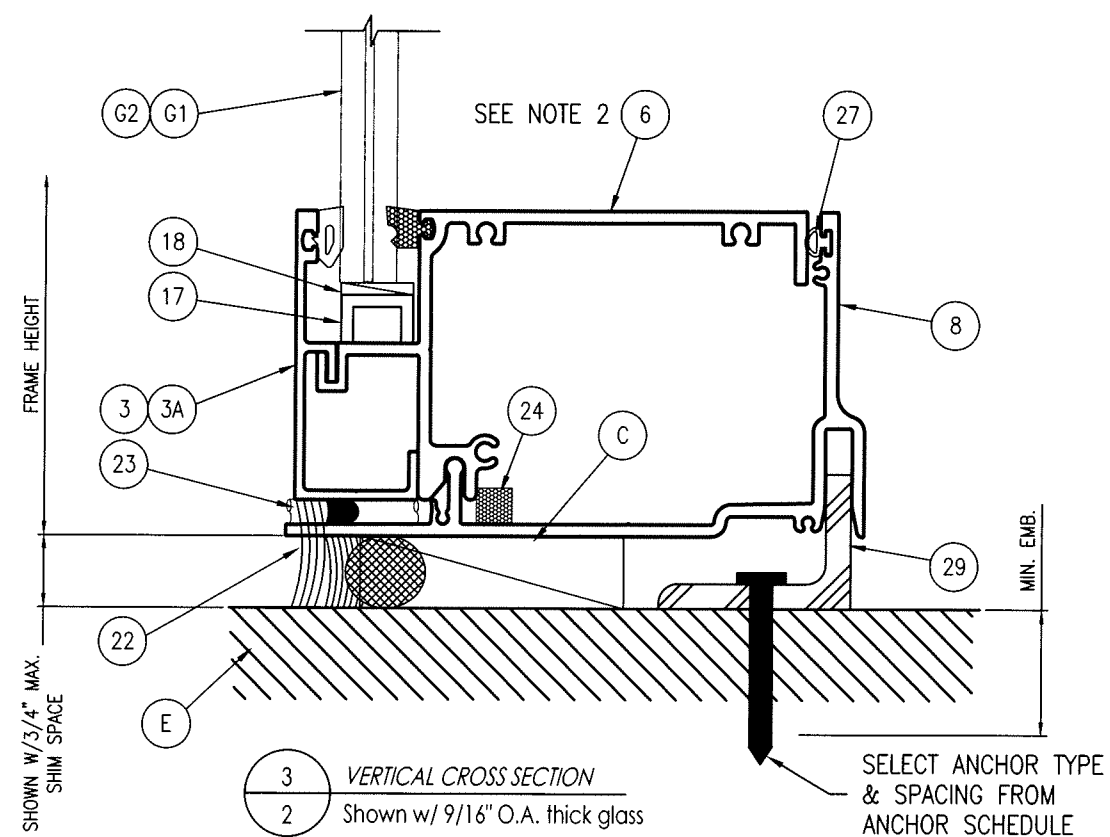
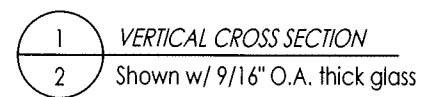


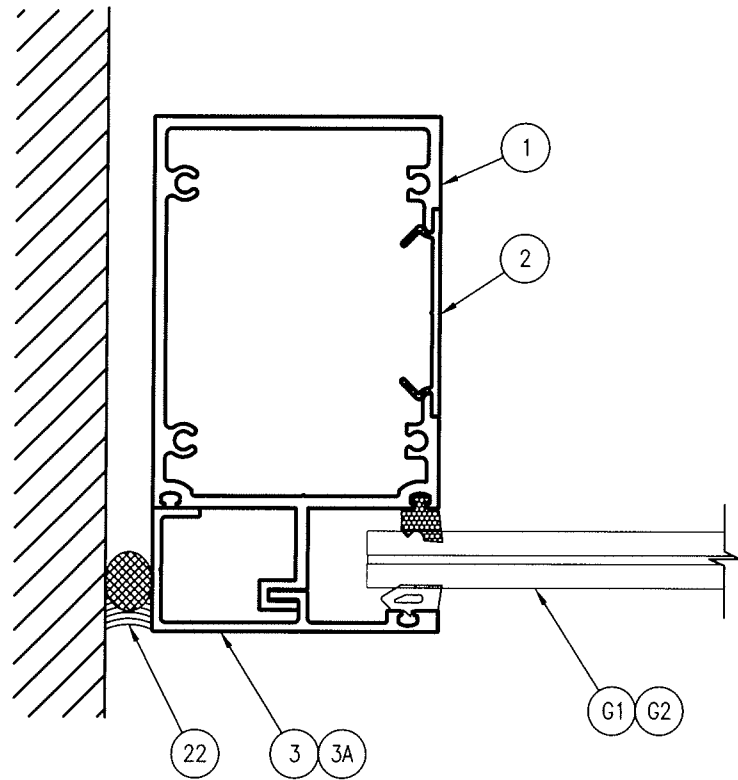
 SUN METALS		5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666	
PRODUCT: SUN METALS ALUMINUM WINDOW WALL		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
4	7/14/25	UPDATE TO 8TH ED. (2023)	FBC ECV
3	9/21/20	UPDATE TO 7TH ED. (2020)	FBC JCB
2	2/01/19	UPDATE TO 6TH ED. (2017)	FBC ECV
1	2/17/15	UPDATE TO 5TH ED. (2014)	FBS LFS
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 8/23/12			
SCALE: N.T.S.			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15891.6			
SHEET: 1 OF 7			



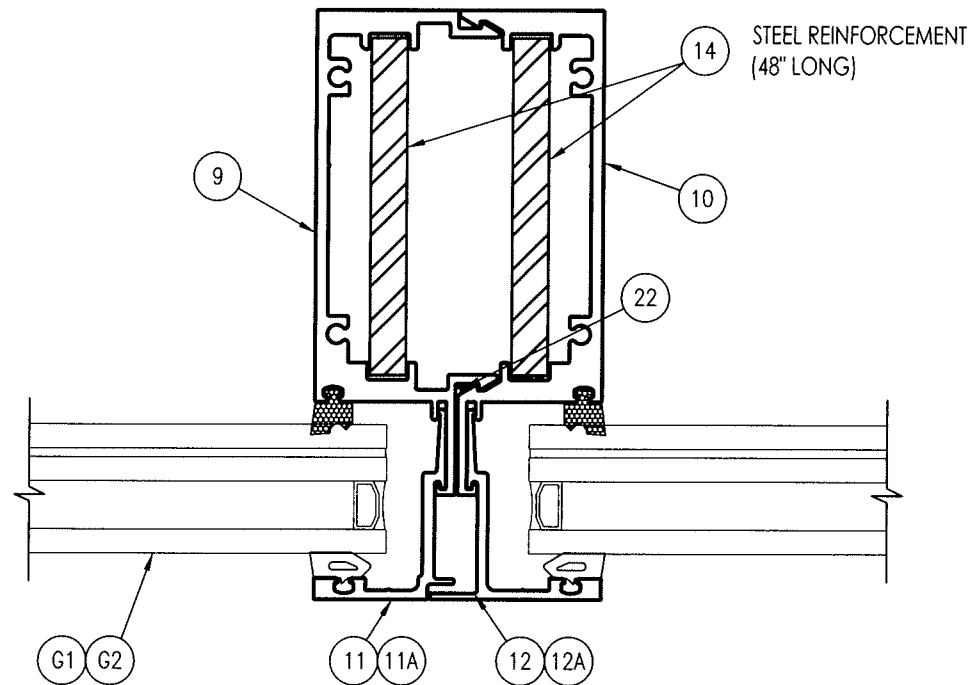
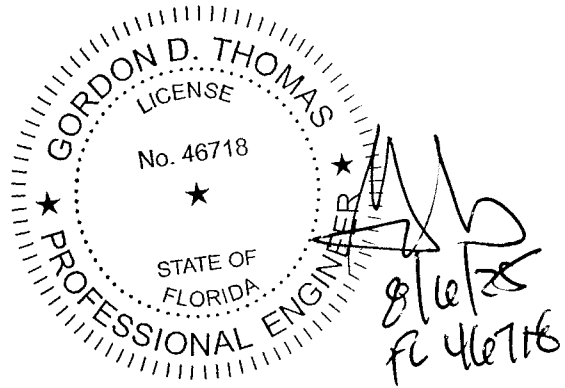
SUN METALS

VERTICAL CROSS SECTIONS

DATE: 8/23/12
SCALE: N.T.S.
DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15891.6
SHEET: 2 OF 7



1 HORIZONTAL CROSS SECTION
3 Shown w/ 9/16" O.A. thick glass



2 VERTICAL CROSS SECTION
3 Shown w/ 1 5/16" O.A. thick glass

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TAMPA, FLORIDA 33634
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FAX: (813) 886-0666

PRODUCT: SUN METALS ALUMINUM WINDOW WALL

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO	DATE	DESCRIPTION	BY
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC ECV	JCB
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC ECV	JCB
2	2/01/19	UPDATE TO 6TH ED. (2017) FBC ECV	JCB
1	2/17/15	UPDATE TO 5TH ED. (2014) FBC LFS	JCB

DATE: 8/23/12

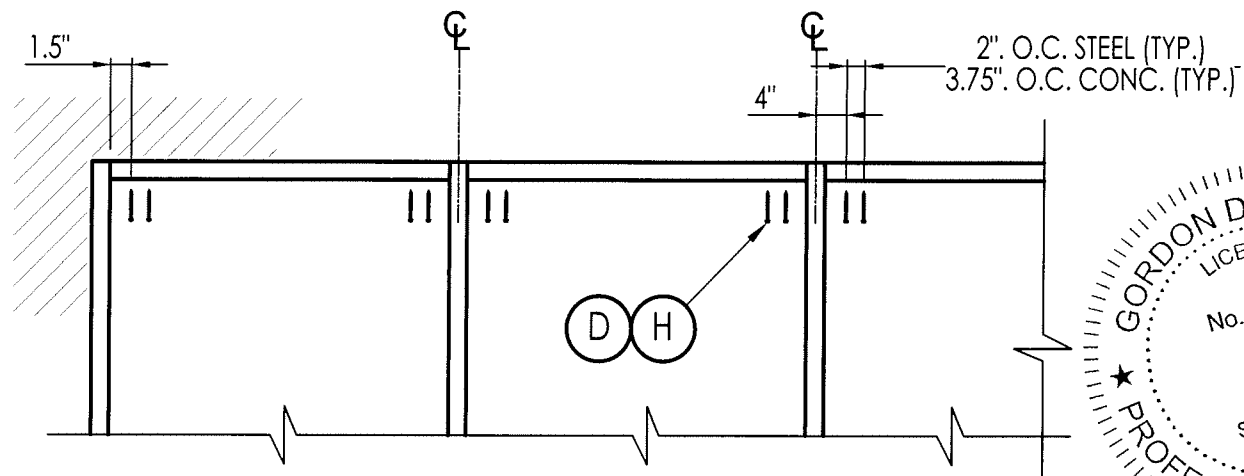
SCALE: N.T.S.

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15891.6

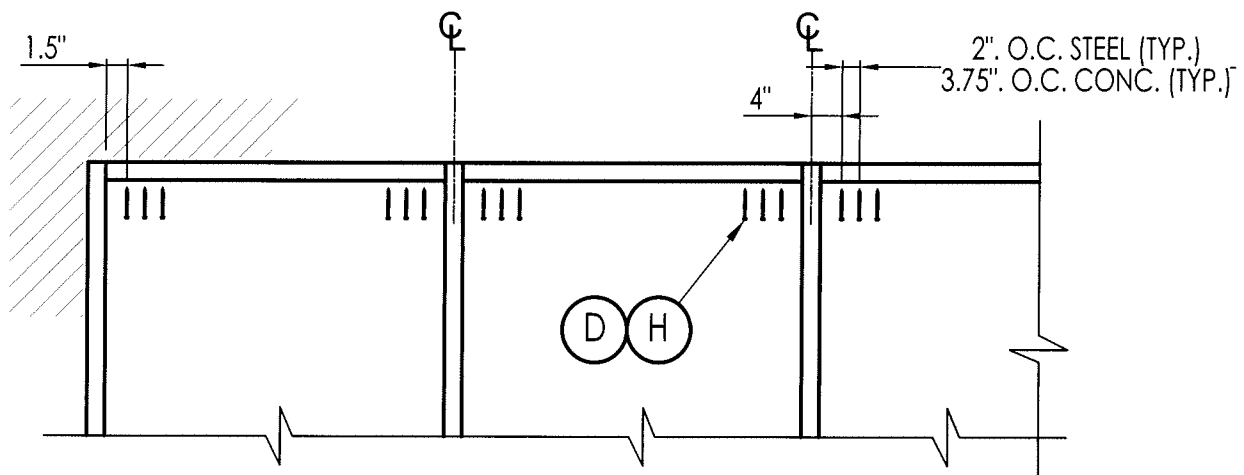
SHEET: **3** OF **7**



ANCHORING

(CONCRETE & STEEL)

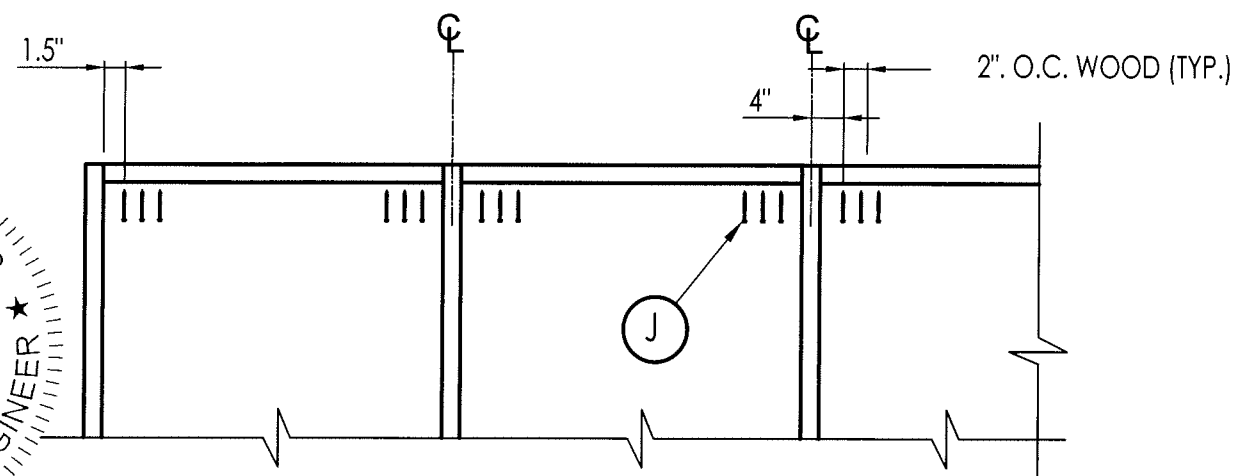
MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP ≤ 75 PSF



ANCHORING

(CONCRETE & STEEL)

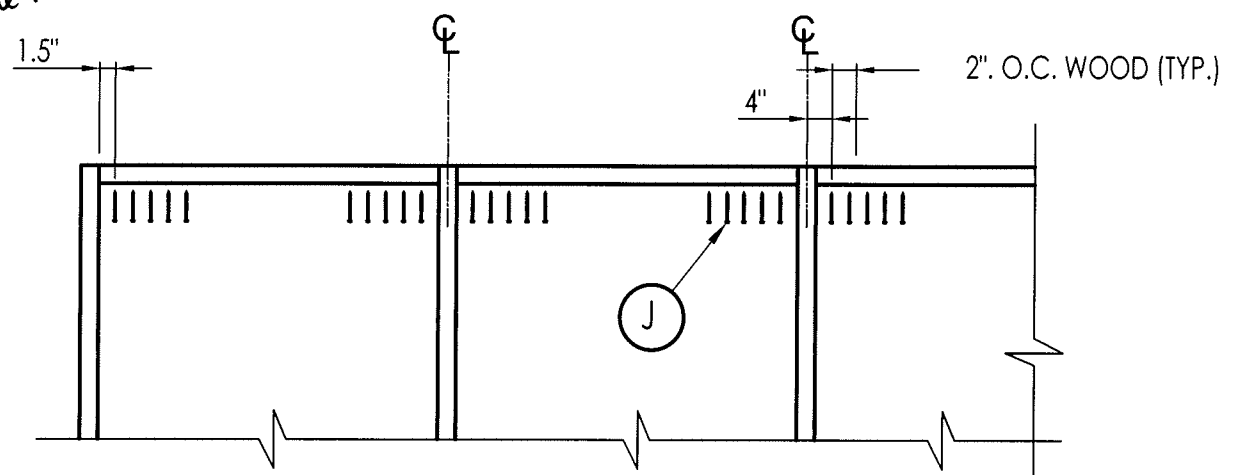
MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP @ HEAD ≤ 115 PSF



ANCHORING

(WOOD)

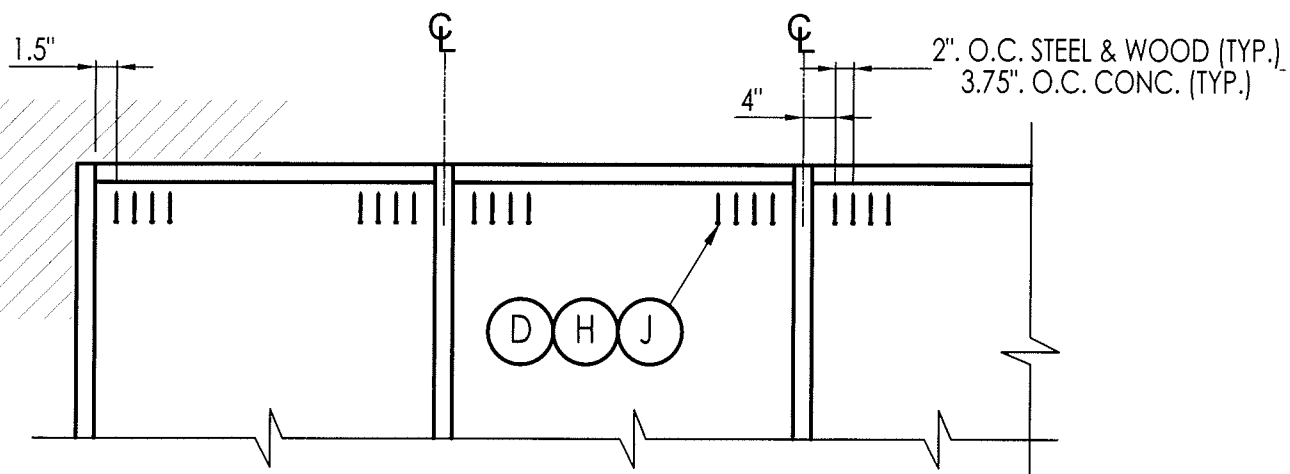
MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP ≤ 75 PSF



ANCHORING

(WOOD)

MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP @ HEAD ≤ 115 PSF

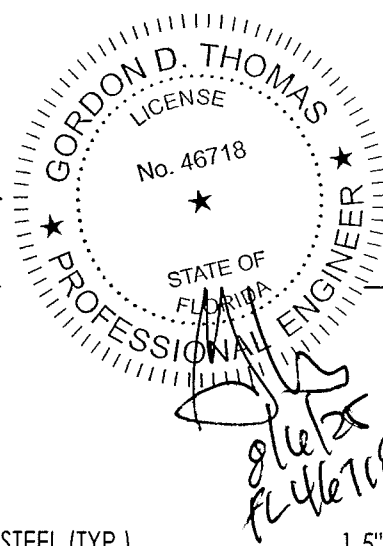


ANCHORING

(CONCRETE, STEEL & WOOD)

MAX. SHIM SPACE @ HEAD $\leq 1/2"$
MAX. DP ≤ 75 PSF

SUBSTRATE	ANCHOR SCHEDULE	
CONCRETE	(D)	5/16" $\varnothing$ HWH ITW Tapcon® XL concrete anchor with 1-3/4" min. embedment, 2-3/16" minimum edge distance and 3-3/4" (@ head) & 3-1/2" (@ sill) min. clearance to adjacent concrete anchors. Concrete is 3000 PSI minimum conforming to ACI 301.
STEEL	(H)	5/16" $\varnothing$ HWH Hilti KWIK-FLEX self-drilling screws w/ minimum 3 threads protruding through the substrate. 1" min. edge distance and 1" min CL to CL spacing. Steel shall be ASTM A653 Grade 33 with $F_y=33$ KSI min, and $F_u=45$ KSI min. 0.06" min. thickness (16 ga. min.)
WOOD	(J)	#24 wood screw with 2-1/4" embedment, 1-1/2" minimum edge distance and 1-1/2" CL to CL minimum. 2x wood substrate $SG \geq 0.55$



5008 TAMPA WEST BLVD.
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SUN METALS

PRODUCT: **SUN METALS**
ALUMINUM WINDOW WALL

PART OR ASSEMBLY:
HEAD ANCHORING ELEVATIONS & ANCHORING SCHEDULE

NO	DATE	DESCRIPTION	REVISIONS	
			BY	DATE
4	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV	
3	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB	
2	2/01/19	UPDATE TO 6TH ED. (2017) FBC	ECV	
1	2/17/15	UPDATE TO 5TH ED. (2014) FBC	LFS	

DATE: 8/23/12

SCALE: N.T.S.

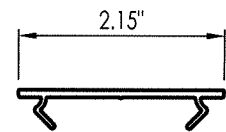
DWG. BY: CO

CHK BY: ECV

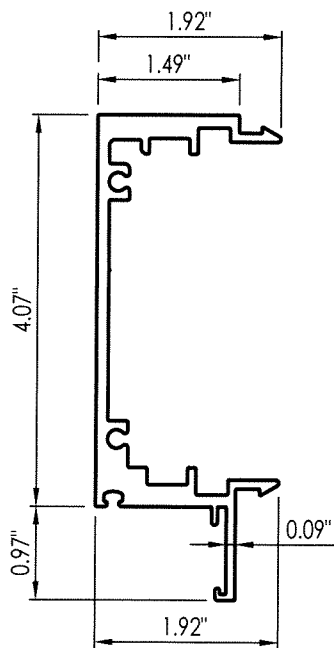
DRAWING NO.: FL-15891.6

SHEET: **4** OF **7**

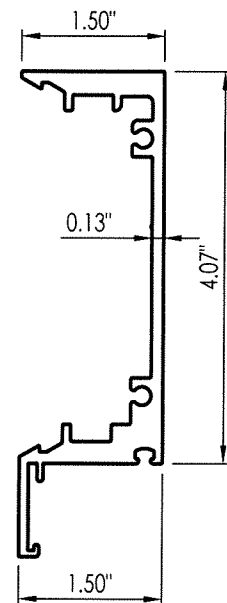
1 FRAME JAMB/ HEAD



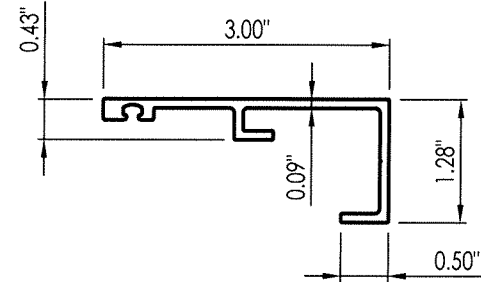
2 FILLER



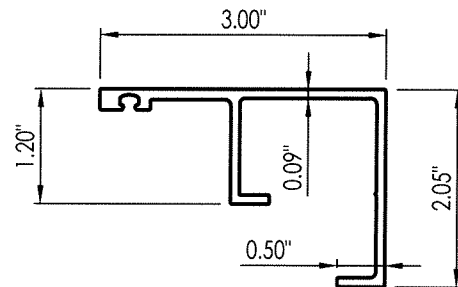
9 MALE MULLION



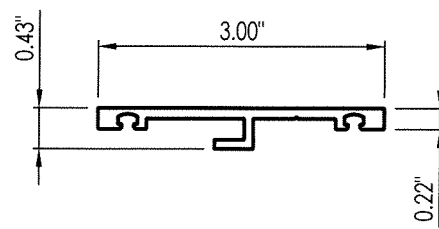
10 FEMALE MULLION



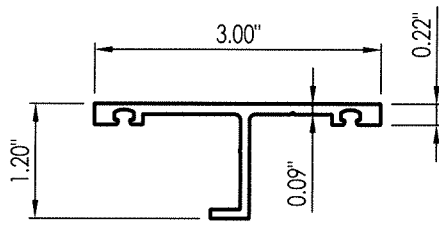
3 FACE CAP
Head/ jamb



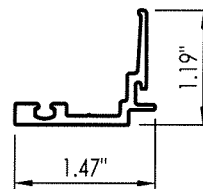
3A FACE CAP
Head/jamb



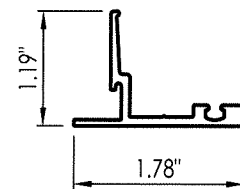
4 FACE CAP
Rail



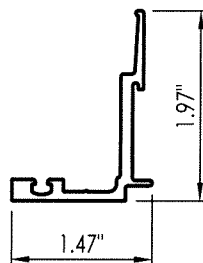
4A FACE CAP
Rail



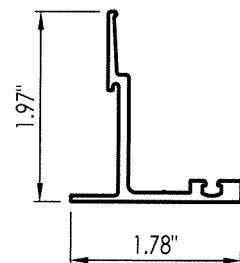
11 SPLIT MILLION CAP



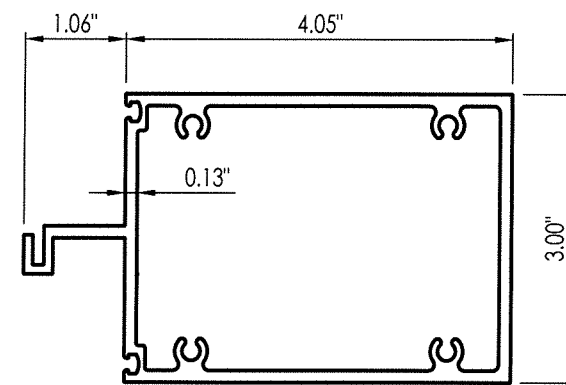
12 SPLIT MULLION CAP



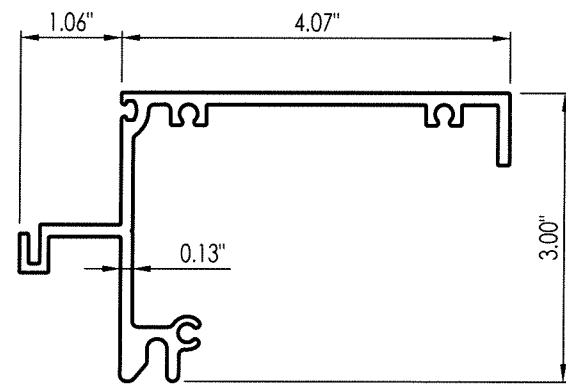
11A SPLIT MULLION CAP



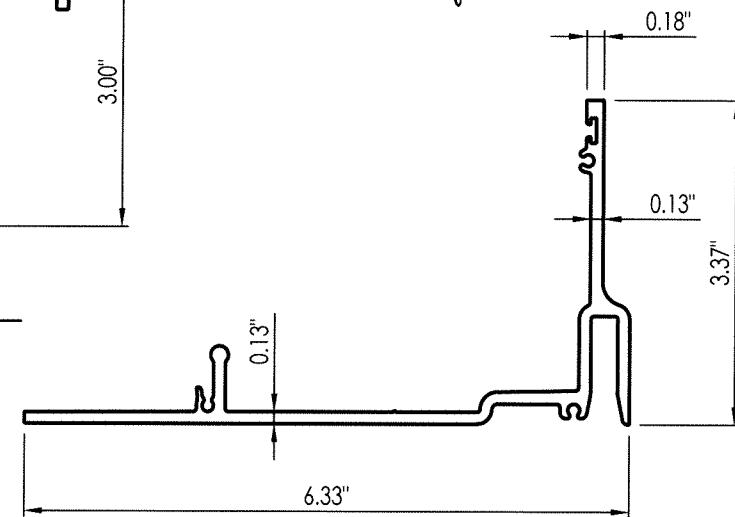
12A SPLIT MULLION CAP



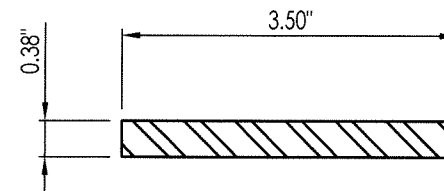
5 HORIZONTAL/ JAMB



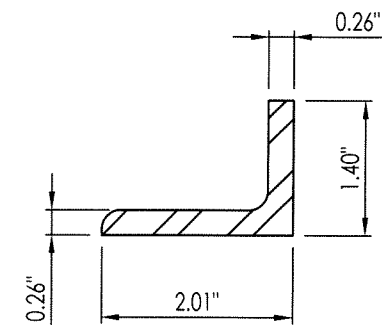
6 SILL



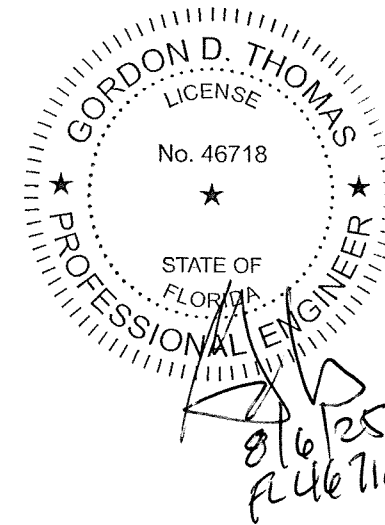
8 STARTER SILL



14 REINFORCEMENT BAR
48" Long



29 SILL ANCHOR BRACKET
(ANCHOR BRACKET LENGTH VARIES)



5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
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PRODUCT: SUN METALS
ALUMINUM WINDOW WALL

COMPONENTS

[illegible]

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. SHIM SPACE (1/2" @ HEAD, 3/4" @ SILL)	
D	5/16" x 2-3/4" HWH ITW TAPCOM XL CONCRETE ANCHOR	STEEL
E	SUBSTRATE MATERIAL	-
H	5/16" HILTI KWIK-FLEX SELF DRILLING SMS	STEEL
J	#24 X 2-1/4" WOOD SCREW	STEEL
1	FRAME JAMB/ HEAD (SUN-513)	ALUMINUM
2	SNAP FILLER (SUN-502)	ALUMINUM
3	FACE CAP HEAD/ JAMB (SUN-403)	ALUMINUM
3A	FACE CAP HEAD/ JAMB (SUN-436)	ALUMINUM
4	FACE CAP RAIL (SUN-404)	ALUMINUM
4A	FACE CAP RAIL (SUN-437)	ALUMINUM
5	HORIZONTAL (SUN-505)	ALUMINUM
6	SILL (SUN-506)	ALUMINUM
7	ALUMINUM SPACER	ALUMINUM
8	STARTER SILL (SUN-553)	ALUMINUM
9	MALE SPLIT MULLION (SUN-509)	ALUMINUM
10	FEMALE SPLIT MULLION (SUN-510)	ALUMINUM
11	SPLIT MULLION FACE CAP (SUN-411)	ALUMINUM
11A	SPLIT MULLION FACE CAP (SUN-438)	ALUMINUM
12	SPLIT MULLION FACE CAP (SUN-412)	ALUMINUM
12A	SPLIT MULLION FACE CAP (SUN-439)	ALUMINUM
14	REINFORCEMENT STEEL BAR (3/8" x 3-1/2" x STEEL BAR)	ASTM A36 STEEL
15	#12 x 1" SELF DRILLING SCREW	STEEL
17	SETTING CHAIR (1/2" x 3/4" x 1/8" U-CHANNEL)	ALUMINUM
17A	SETTING CHAIR (SUN-435)	ALUMINUM
18	1/8" SETTING BLOCK	EPDM
19	TAPE SEALANT	-
20	SEAM SEALANT	-
22	PERIMETER SILICONE SEALANT	SILICONE
23	WEEP STRAW	-
24	WEEP BAFFLE	-
26	EXTRUDED 70 DURO. WEDGE GASKET (TR-11419)	EPDM
27	EXTRUDED 60 DURO. BULB GASKET (TR-5783E)	EPDM
28	NEOPRENE SPONGE GASKET (TR-6142E)	NEOPRENE
29	SILL ANCHOR BRACKET	ALUMINUM
30	NEOPRENE SPONGE GASKET (TR-6072N)	NEOPRENE

9 1/16" OVERALL THK. GLASS

1/4" HEAT STRENGTHENED

0.090" DUPONT® SENTRYGLAS PLUS INTERLAYER

1/4" HEAT STRENGTHENED

3/4" GLASS BITE

28

26

1 5/16" OVERALL THK. GLASS

1/4" HEAT STRENGTHENED

0.090" DUPONT® SENTRYGLAS PLUS INTERLAYER

1/4" HEAT STRENGTHENED

AIR SPACE

1/4" TEMPERED

3/4" GLASS BITE

28

7

26

0.75"

0.50"

0.13"

17 SETTING CHAIR

17A SETTING CHAIR

 26 WEDGE GASKET

CH

27 BULB GASKET

 SPONGE GASKET

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



PRODUCT: SUN METALS
ALUMINUM WINDOW WALL

PART OR ASSEMBLY: BILL OF MATERIALS
GLAZING DETAILS & COMPONENTS

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	2/01/19	UPDATE TO 6TH ED. (2017)	FBC ECV
1	2/17/15	UPDATE TO 5TH ED. (2014)	FBC LFS

DATE: 8/23/12

SCALE: N.T.S.

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15891.6

SHEET: 7 OF 7