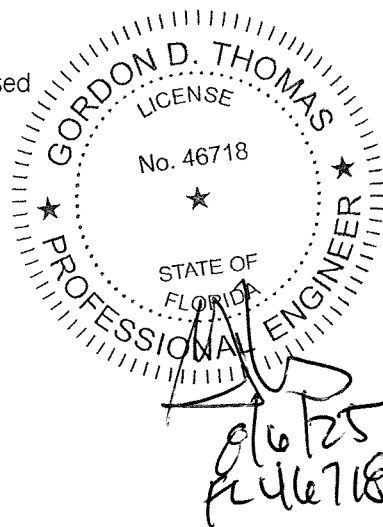
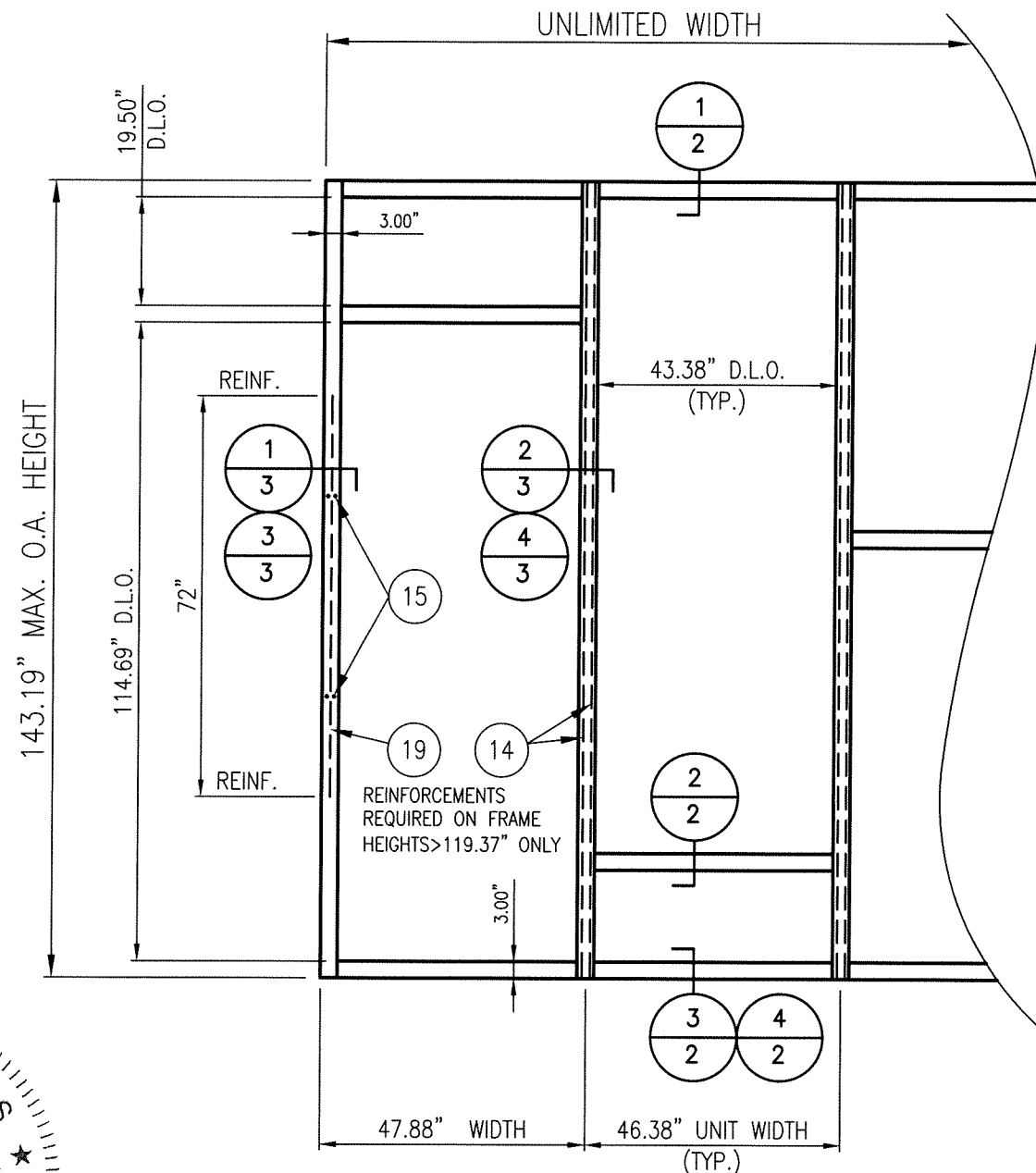




1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with Section 1609.1.2 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 E1996 and FBC Section 1609.1.2.2.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ". WATER INFILTRATION: 20 PSF
7. Gaskets and setting blocks shall comply with Section 2411.3.4 of the FBC.
8. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS, DESIGN PRESSURES AND GENERAL NOTES
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS
4	HEAD ANCHORING ELEVATIONS & ANCHORING SCHEDULE
5	SILL ANCHORING ELEVATIONS
6	COMPONENTS
7	BILL OF MATERIAL, GLAZING DETAILS AND COMPONENTS



MAX. FRAME HEIGHT	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
143.19"	43.38" x 90.81"	G1, G2	+100.0	-100.0
	43.38" x 114.69"	G3, G4		

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

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

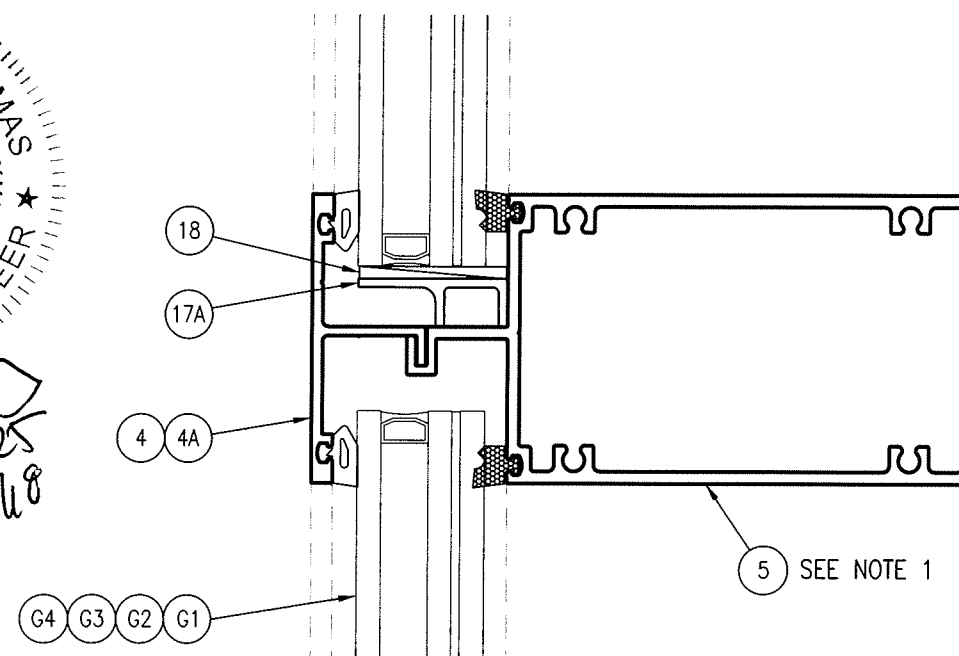
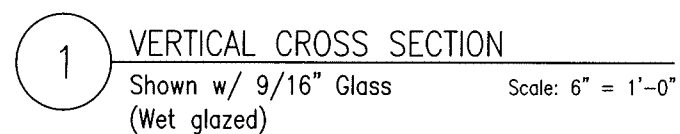
SCALE: N.T.S

DWG. BY: CO

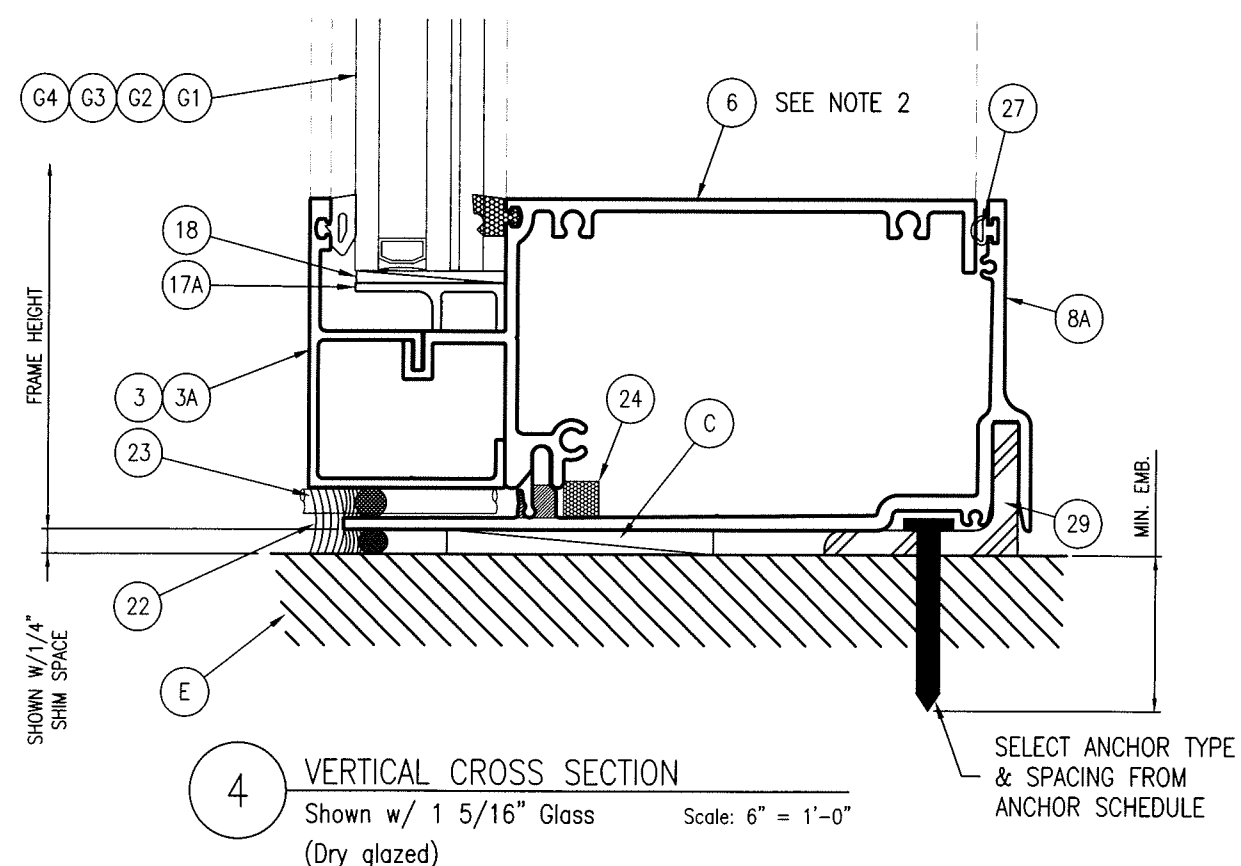
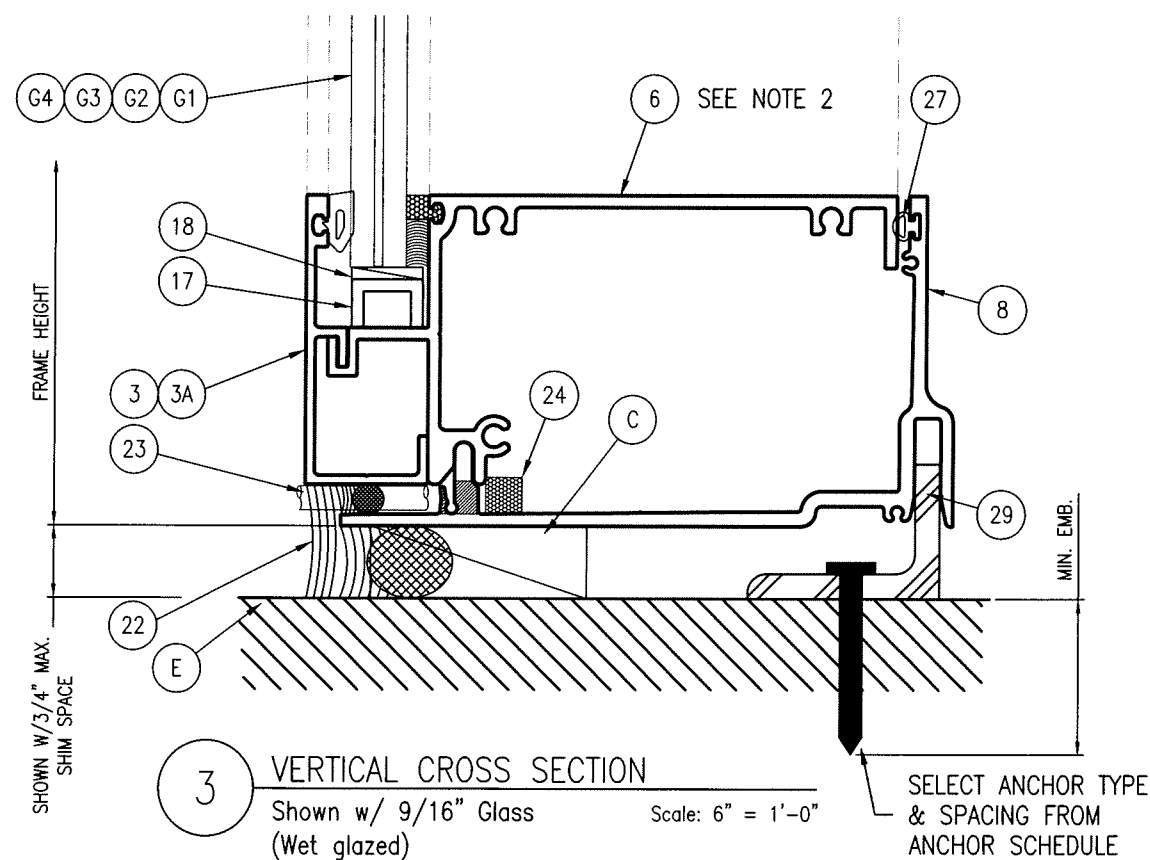
CHK BY: ECV

DRAWING NO.:
FL-15891.9

SHEET: **1** OF **7**



2 VERTICAL CROSS SECTION
Shown w/ 1 5/16" Glass Scale: 6" = 1'-0"
(Dry glazed)



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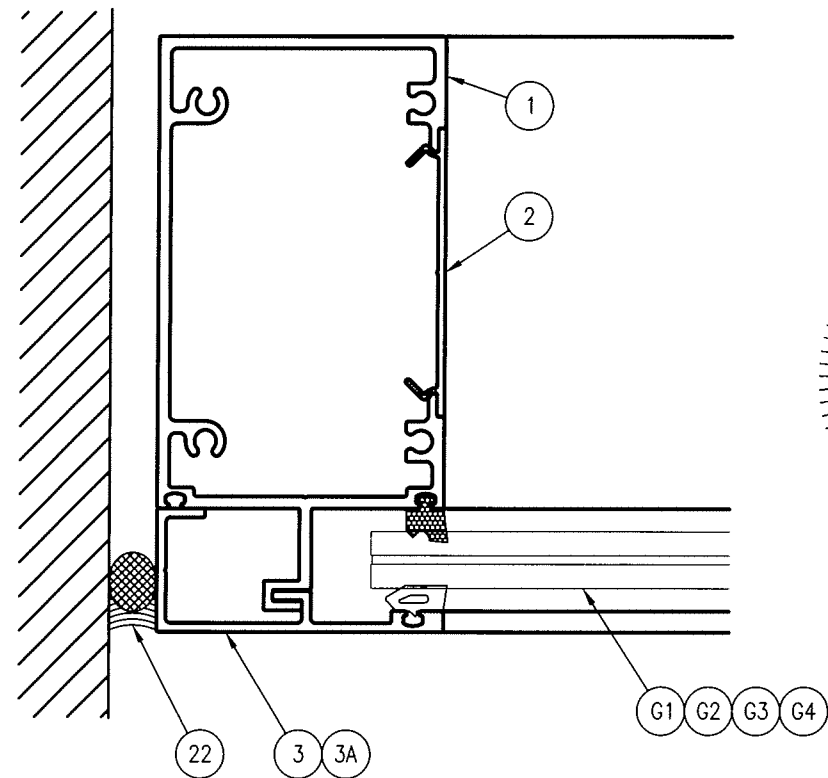


UCT: SUN METALS
ALUMINUM WINDOW WALL

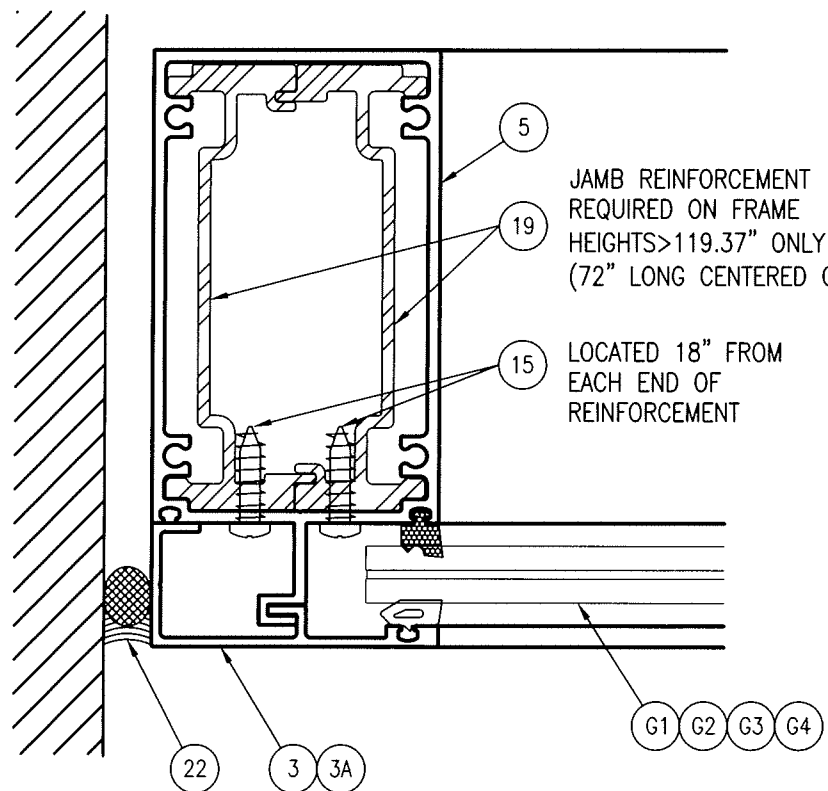
PART OR ASSEMBLY:

VERTICAL
CROSS SECTIONS

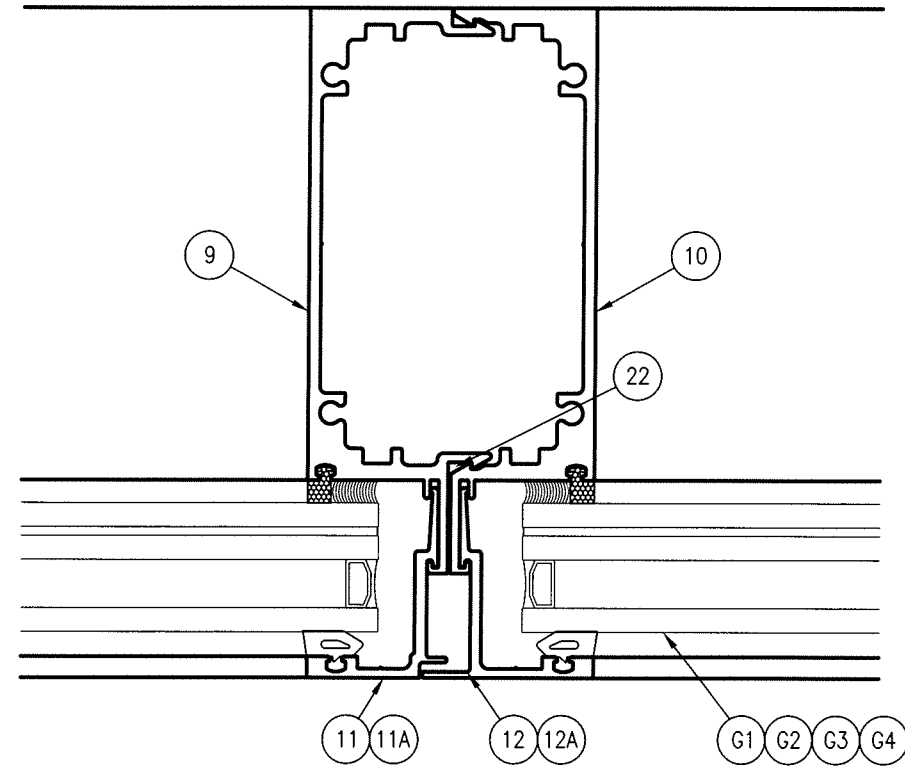
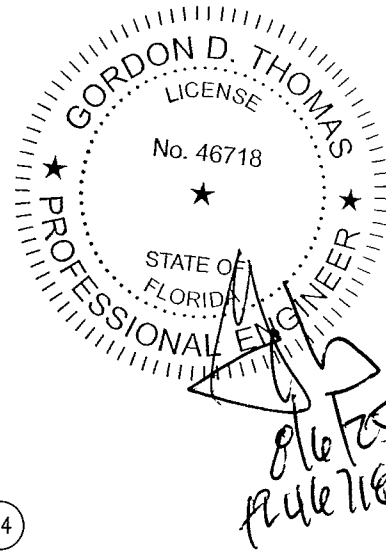
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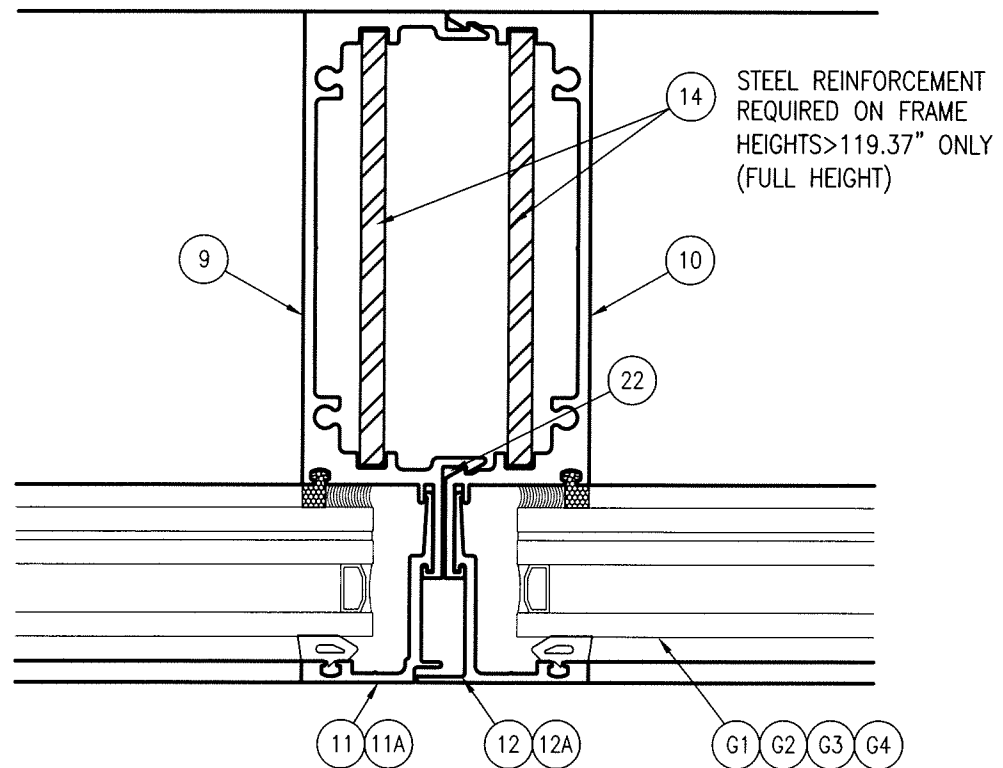
1 HORIZONTAL CROSS SECTION
Shown w/ 9/16" Glass Scale: 6" = 1'-0"
(Dry glazed)



3 HORIZONTAL CROSS SECTION
Shown w/ 9/16" Glass Scale: 6" = 1'-0"
(Dry glazed)



2 HORIZONTAL CROSS SECTION
Shown w/ 1 5/16" Glass Scale: 6" = 1'-0"
(Wet glazed)



4 HORIZONTAL CROSS SECTION
Shown w/ 1 5/16" Glass Scale: 6" = 1'-0"
(Wet glazed)



SUN METALS

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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

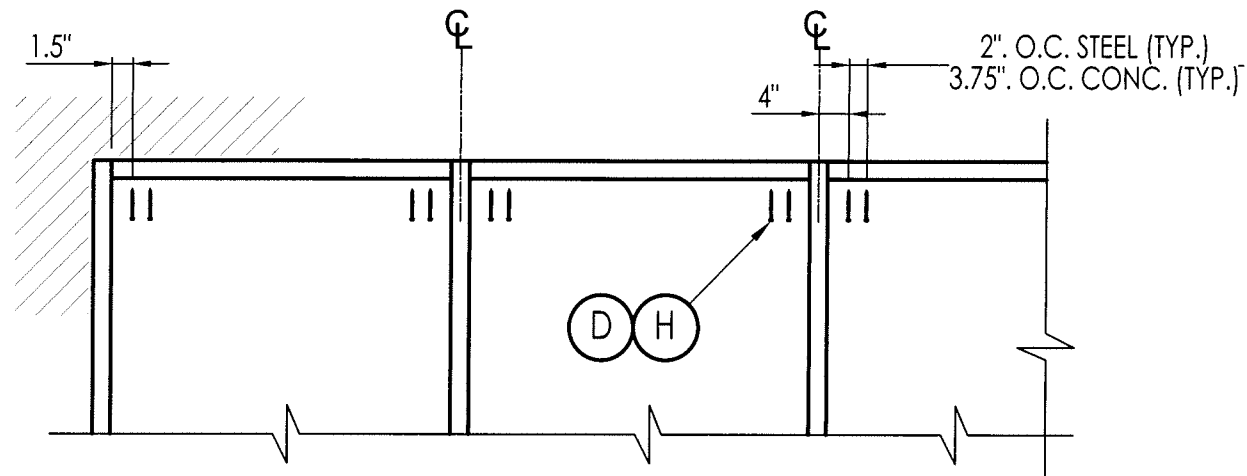
SCALE: N.T.S

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-15891.9

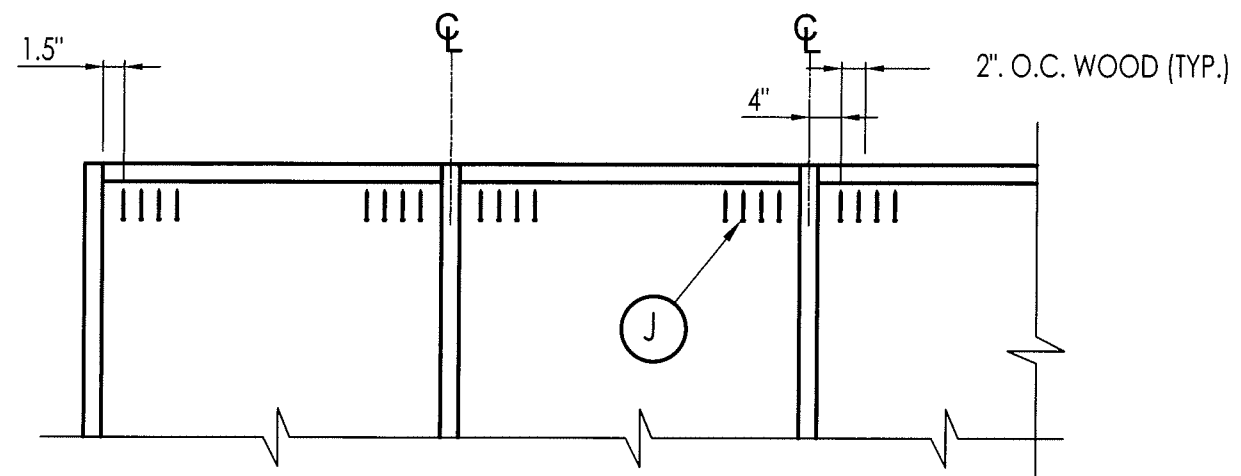
SHEET: **3** OF **7**



ANCHORING

(CONCRETE & STEEL)

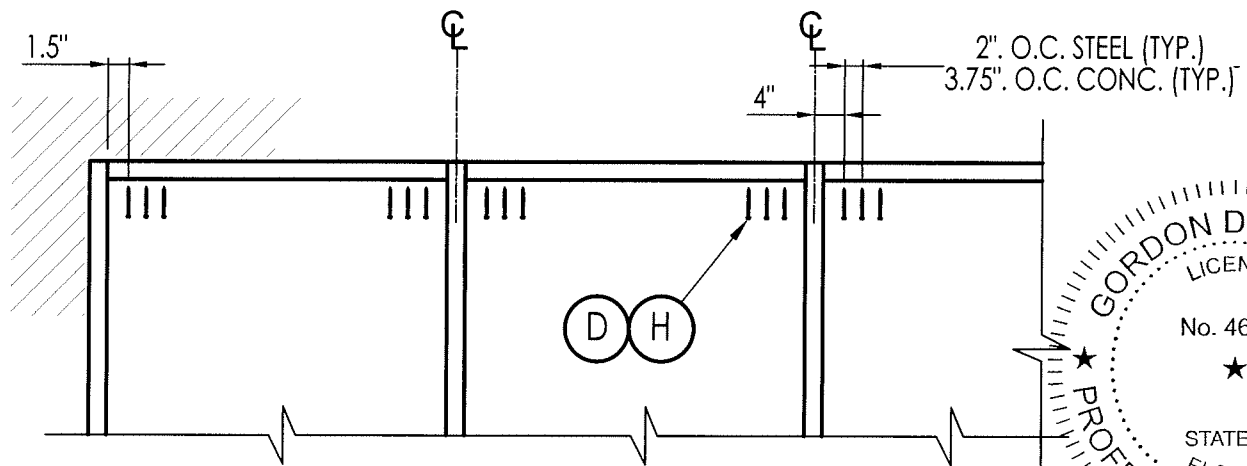
MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP ≤ 70 PSF



ANCHORING

(WOOD)

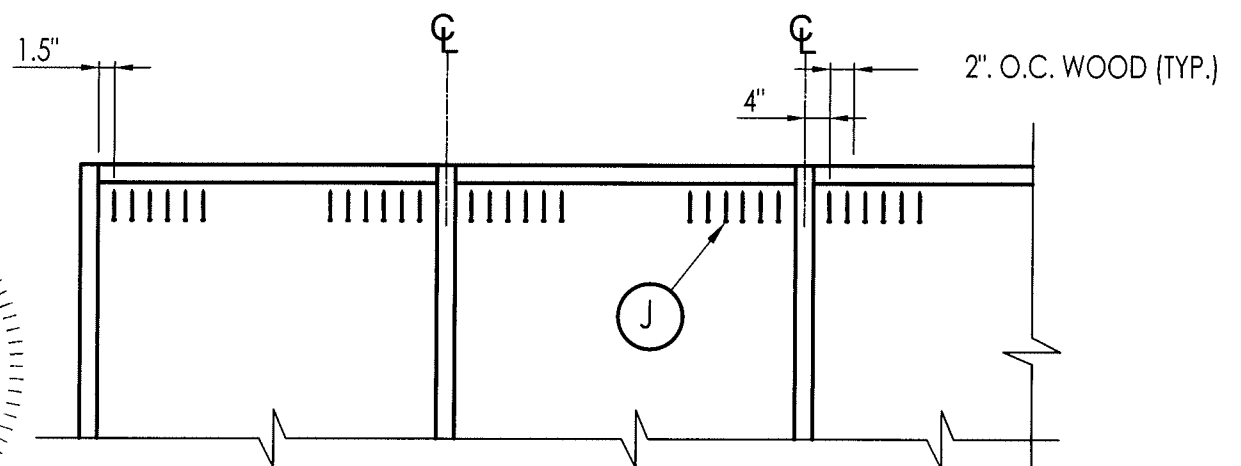
MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP ≤ 75 PSF



ANCHORING

(CONCRETE & STEEL)

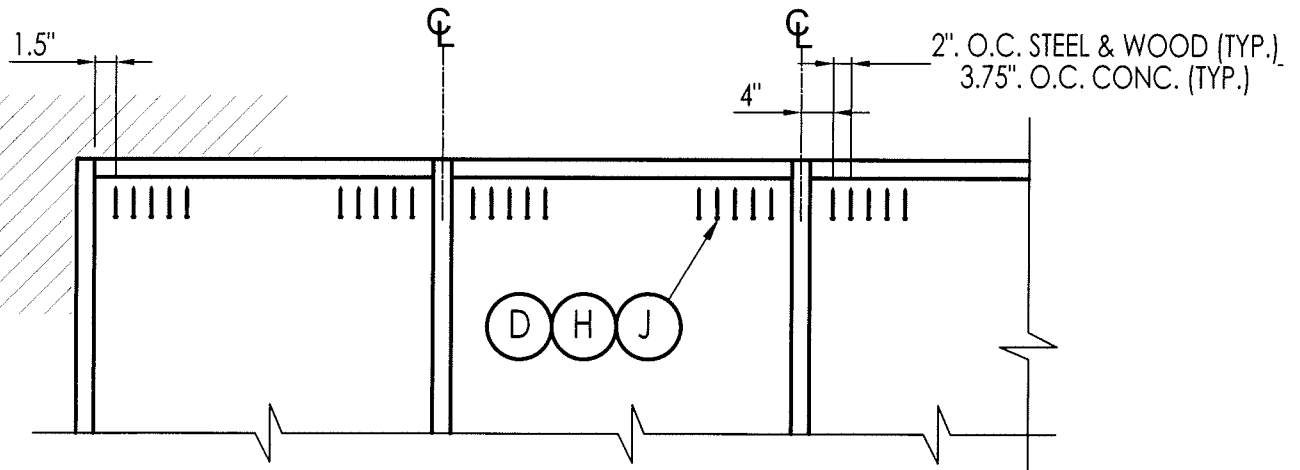
MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP @ HEAD ≤ 100 PSF



ANCHORING

(WOOD)

MAX. SHIM SPACE @ HEAD $\leq 1/4"$
MAX. DP @ HEAD ≤ 100 PSF

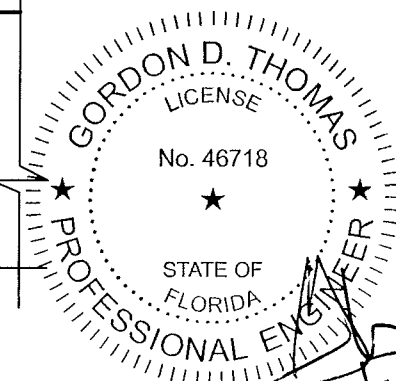


ANCHORING

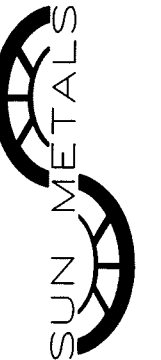
(CONCRETE, STEEL & WOOD)

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

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" (@ head) & 3-1/2" (@ sill) min. clearance to adjacent concrete anchors. Concrete is 3000 PSI minimum conforming to ACI 301.
STEEL	(H)	5/16"Ø 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 Fy=33 KSI min, and Fu=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 ≥ 0.55



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PRODUCT:
SUN METALS
ALUMINUM WINDOW WALL

PART OR ASSEMBLY:
HEAD ANCHORING ELEVATIONS
& ANCHORING SCHEDULE

NO	DATE	DESCRIPTION	BY
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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

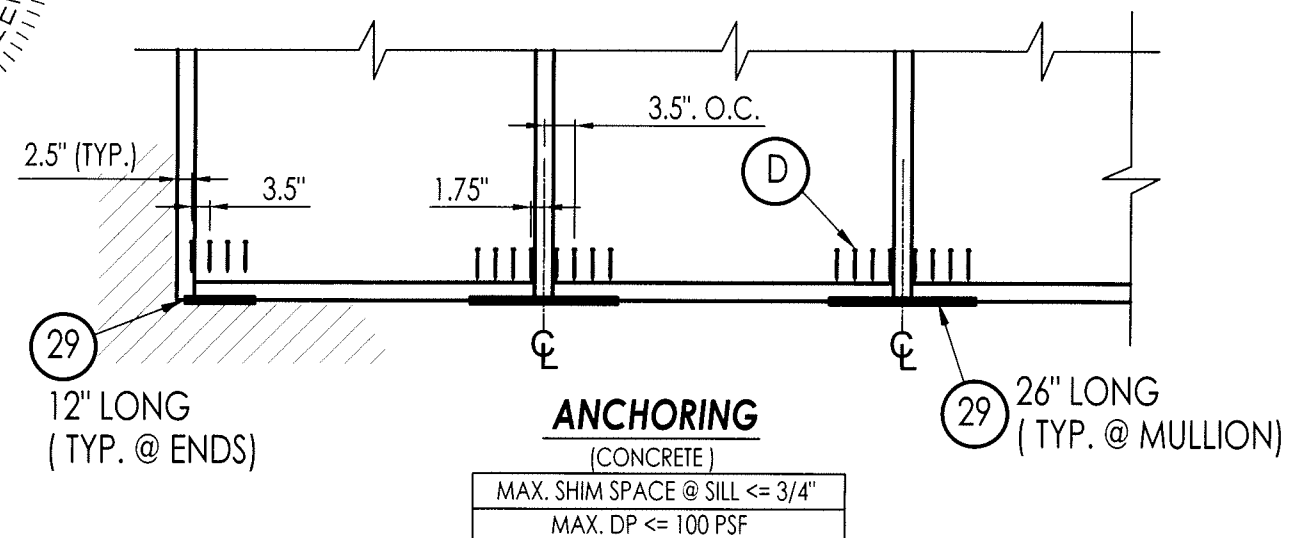
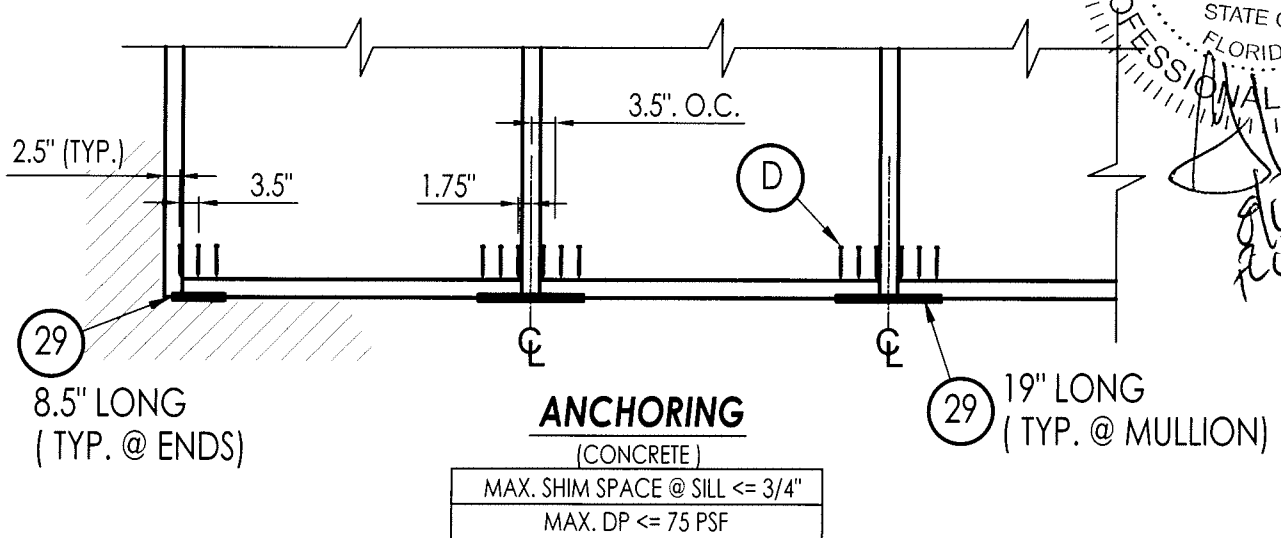
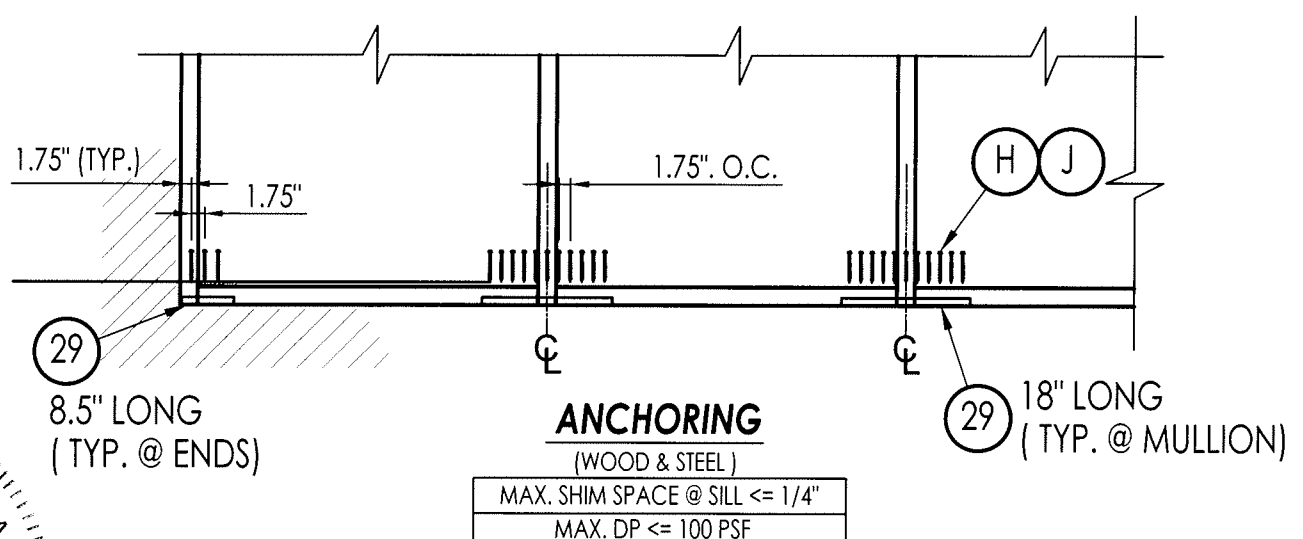
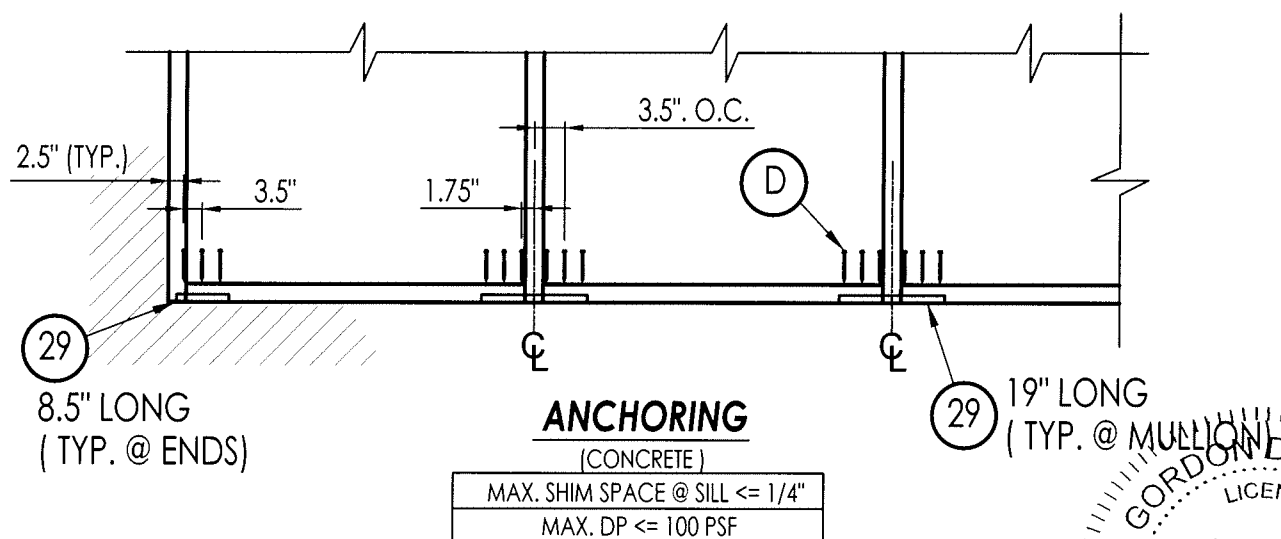
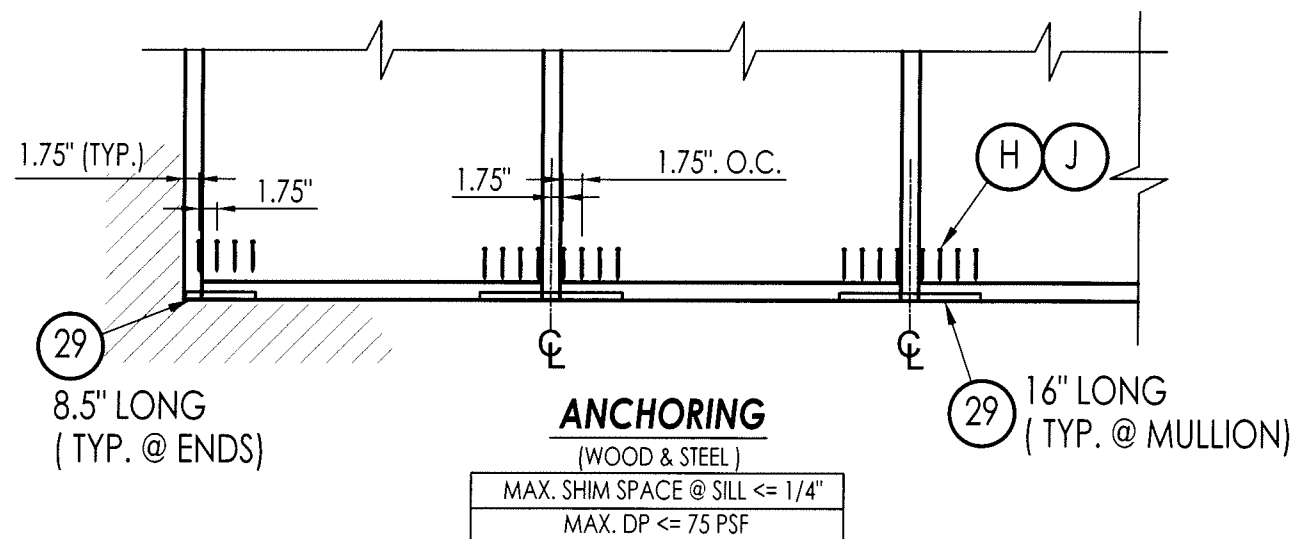
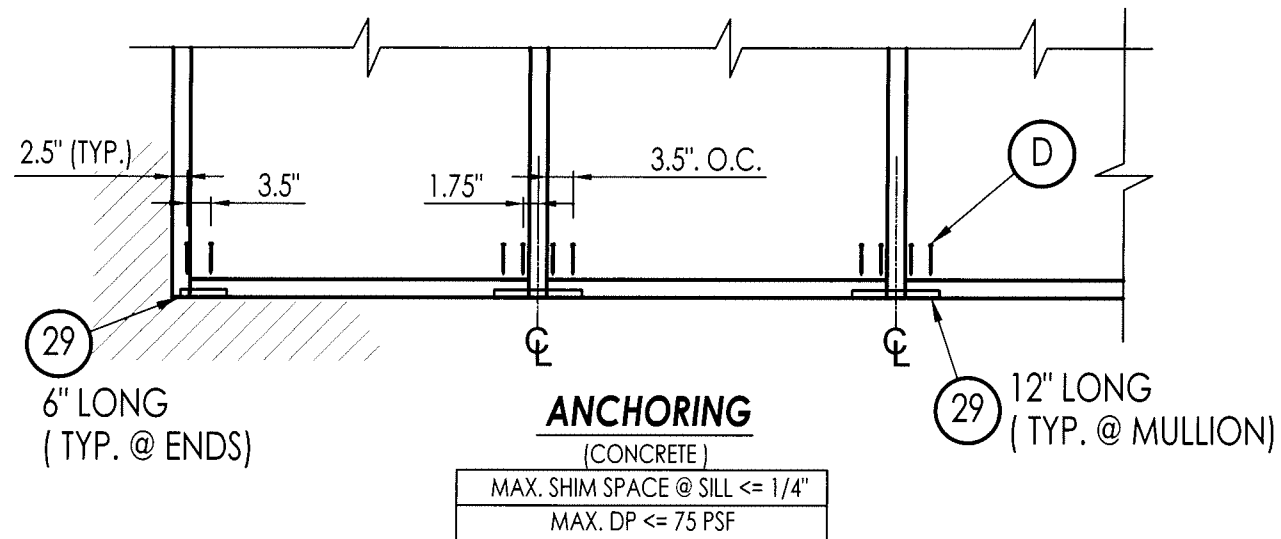
SCALE: N.T.S

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-15891.9

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



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

8/16/25
2/26/26

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

SUN METALS

PRODUCT: SUN METALS ALUMINUM WINDOW WALL

PART OR ASSEMBLY: SILL ANCHORING ELEVATIONS

				REVISIONS			
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	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

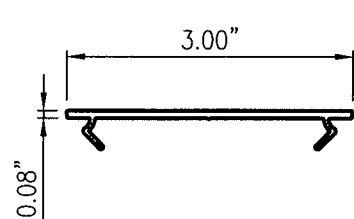
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DWG. BY: CO

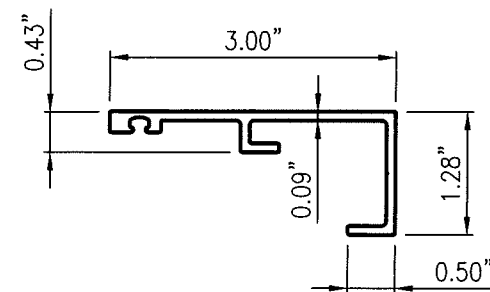
CHK BY: ECV

DRAWING NO.: FL-15891.9

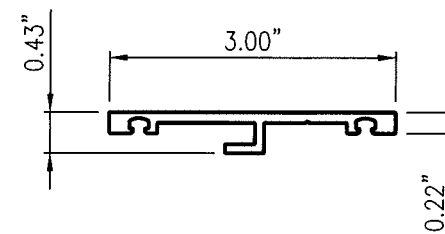
SHEET: **5** OF **7**



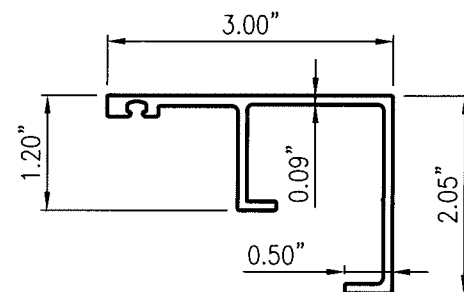
2 SNAP FILLER



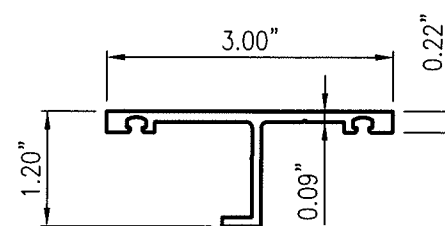
3 FACE CAP
Head/ jamb



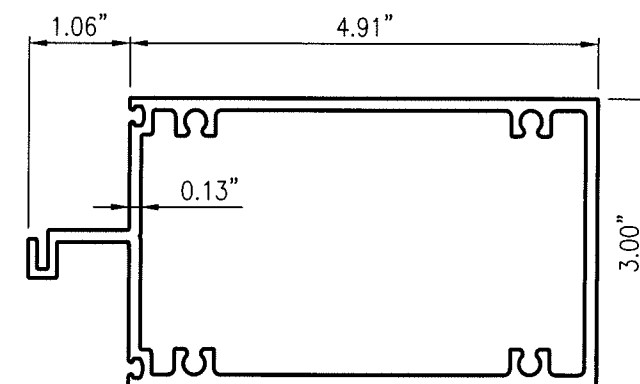
4 FACE CAP
Rail



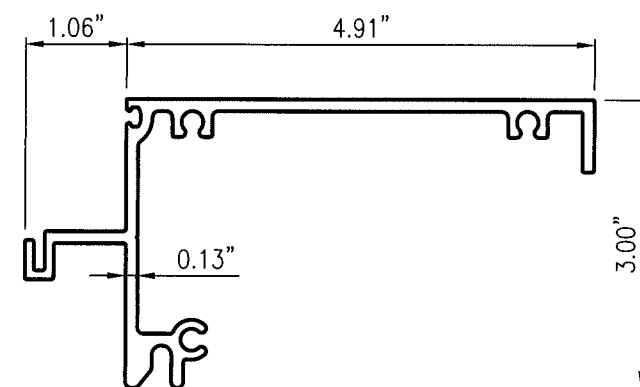
3A FACE CAP
Head/ jamb



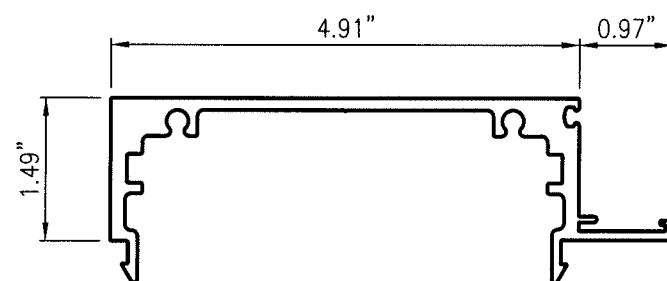
4A FACE CAP
Rail



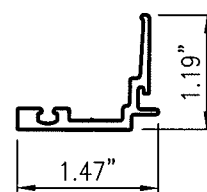
5 HORIZONTAL/ JAMB



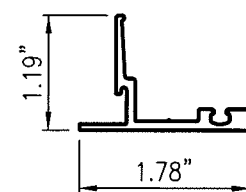
⑥ SILL



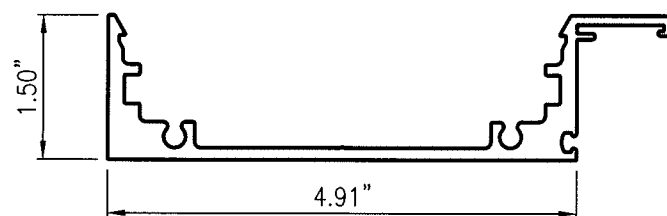
9 MALE MULLION



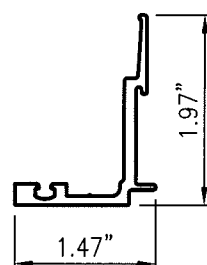
11 SPLIT MULLION CAP



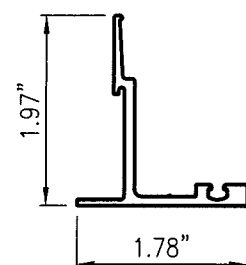
12 SPLIT MULLION CAP



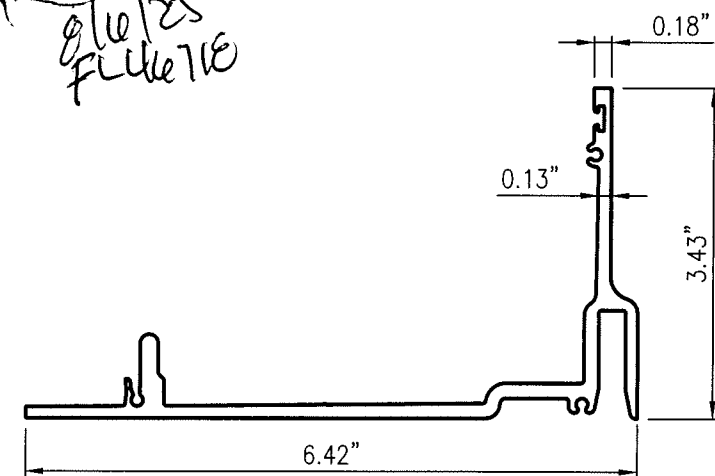
10 FEMALE MULLION



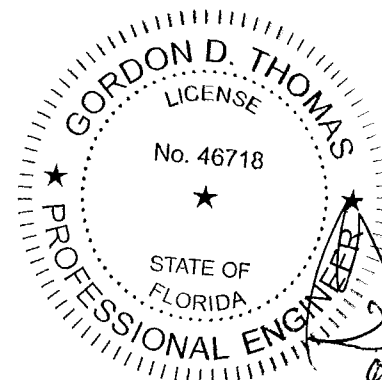
11A SPLIT MULLION CAP



12A SPLIT MULLION CAP



8 STARTER SILL

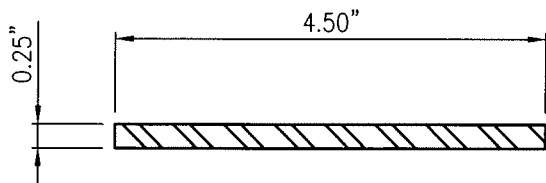


glitz
FLUETIE

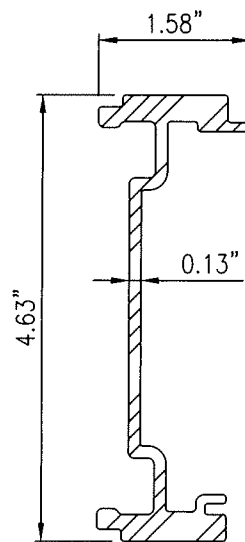
5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666			
SUN METALS ALUMINUM WINDOW WALL		PART OR ASSEMBLY: COMPONENTS	
PRODUCT:		REVISIONS	
4	7/14/25	UPDATE TO 8TH ED. (2023)	FBC ECV
3	9/21/20	UPDATE TO 7TH ED. (2020)	FBC JCB
2	2/01/19	UPDATE TO 6TH ED. (2017)	FBC ECV
1	2/17/15	UPDATE TO 5TH ED. (2014)	FBC LFS
NO	DATE	DESCRIPTION	BY
DATE: 8/23/12			
SCALE: N.T.S			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15891.9			
SHEET: 6 OF 7			

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" ITW TAPCON XL CONC. 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-613)	ALUMINUM
2	SNAP FILLER (SUN-602)	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-605)	ALUMINUM
6	SILL (SUN-606)	ALUMINUM
7	ALUMINUM SPACER	ALUMINUM
8	STARTER SILL (SUN-653)	ALUMINUM
9	MALE SPLIT MULLION (SUN-609)	ALUMINUM
10	FEMALE SPLIT MULLION (SUN-610)	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 (1/4" x 4-1/2" 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	JAMB REINFORCEMENT	ALUMINUM
20	SEAM SEALANT	-
21	STRUCTURAL SILICONE (DOW 995)	SILICONE
22	PERIMETER SILICONE SEALANT	SILICONE
23	WEEP STRAW	-
24	WEEP BAFFLE	-
25	EXTRUDED 70 DURO. EPDM CAULK STOP GASKET	EPDM
26	EXTRUDED 70 DURO. WEDGE GASKET	EPDM
27	EXTRUDED 60 DURO. BULB GASKET	EPDM
28	NEOPRENE SPONGE (TREMCO)	NEOPRENE
29	SILL ANCHOR BRACKET	ALUMINUM

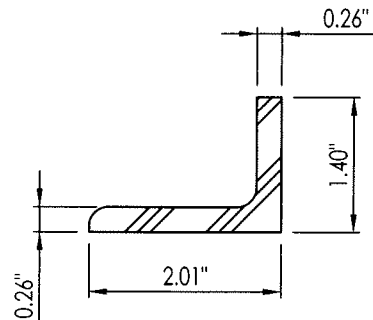
NOTE: ALL FRAME ALUMINUM IS 6063-T6



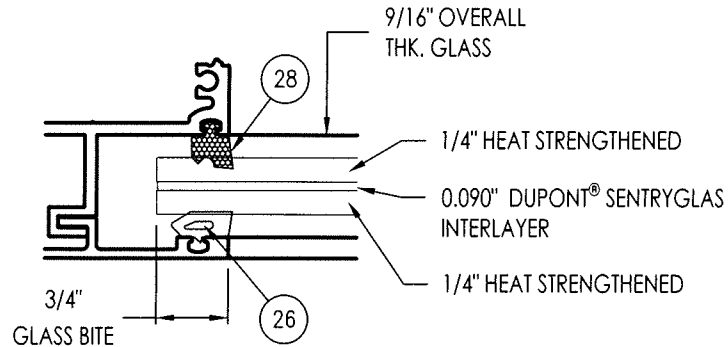
14 REINFORCEMENT BAR
Full frame height



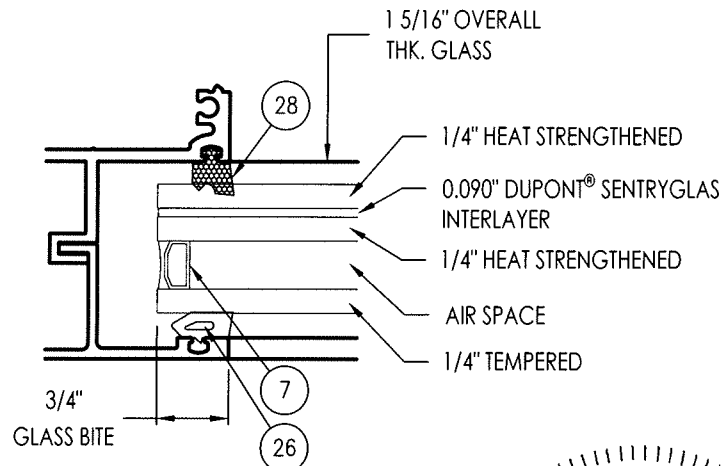
19 JAMB REINFORCEMENT
72" Long



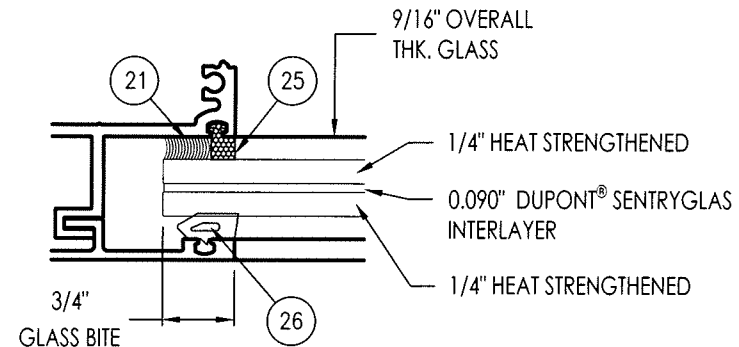
29 SILL ANCHOR BRACKET
(ANCHOR BRACKET LENGTH VARIES)



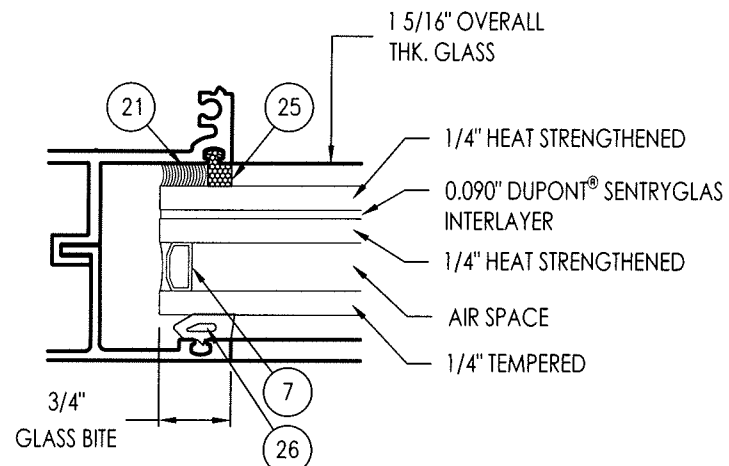
G1 GLAZING DETAIL
Dry glazed



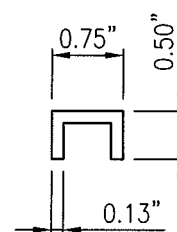
G2 GLAZING DETAIL
Dry glazed



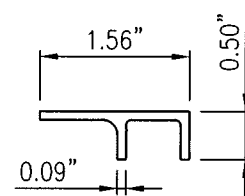
G3 GLAZING DETAIL
Interior side wet glazed



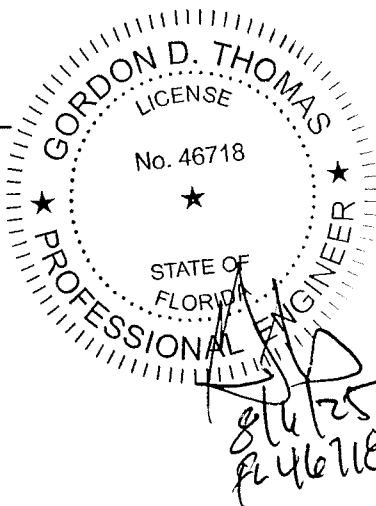
G4 GLAZING DETAIL
Interior side wet glazed



17 SETTING CHAIR



17A SETTING CHAIR



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SUN METALS

PRODUCT:
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ALUMINUM WINDOW WALL

PART OR ASSEMBLY:
BILL OF MATERIALS
GLAZING DETAILS & COMPONENTS

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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-15891.9

SHEET: 1 OF 1