



SERIES 550WW

ALUMINUM FIXED WINDOW WALL

"NON-IMPACT"

GENERAL NOTES:

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 the "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
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.

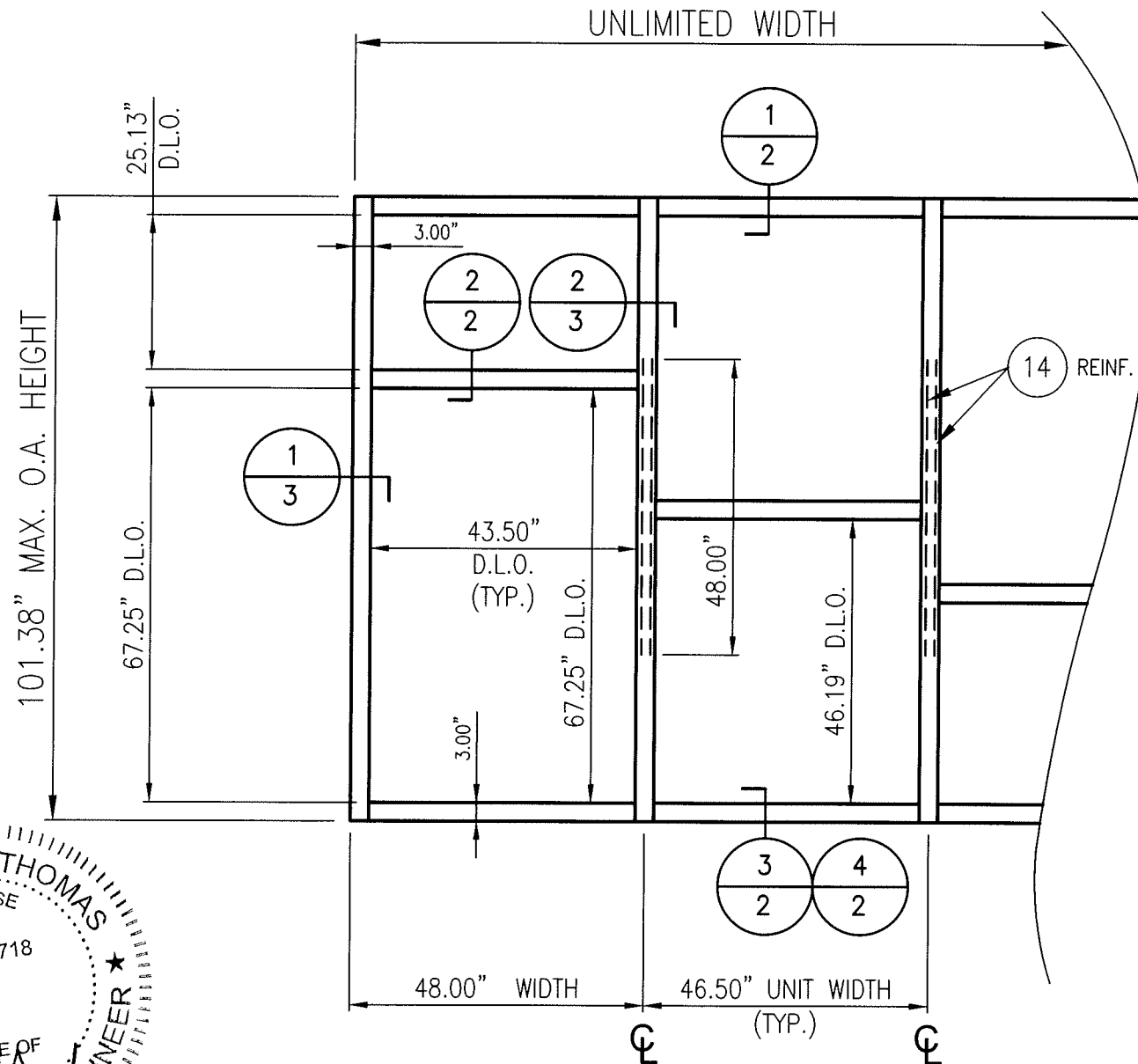
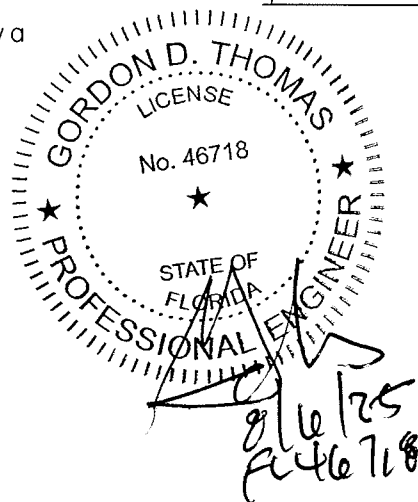


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MAX. FRAME HEIGHT	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
101.38"	43.50" x 46.19"	G1	+115.0	-115.0
	43.50" x 67.25"	G2	+100.0	-100.0

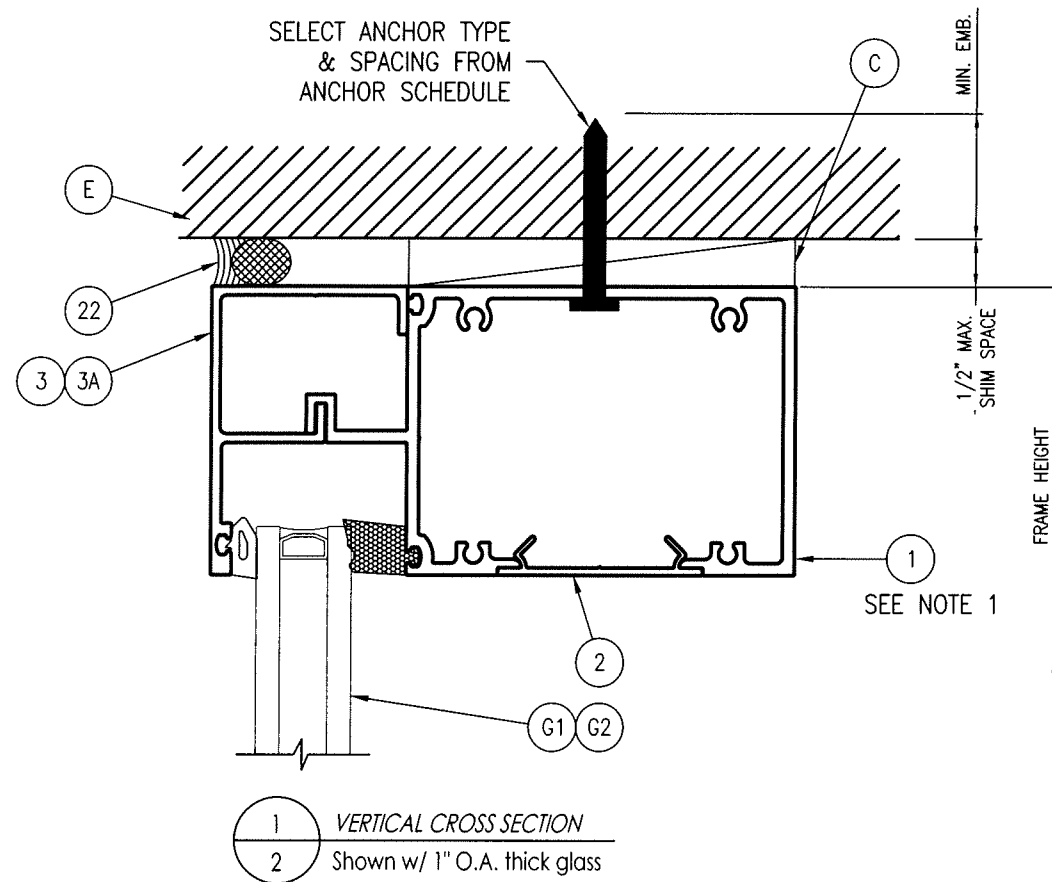
5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666

PRODUCT:
SUN METALS
ALUMINUM WINDOW WALL

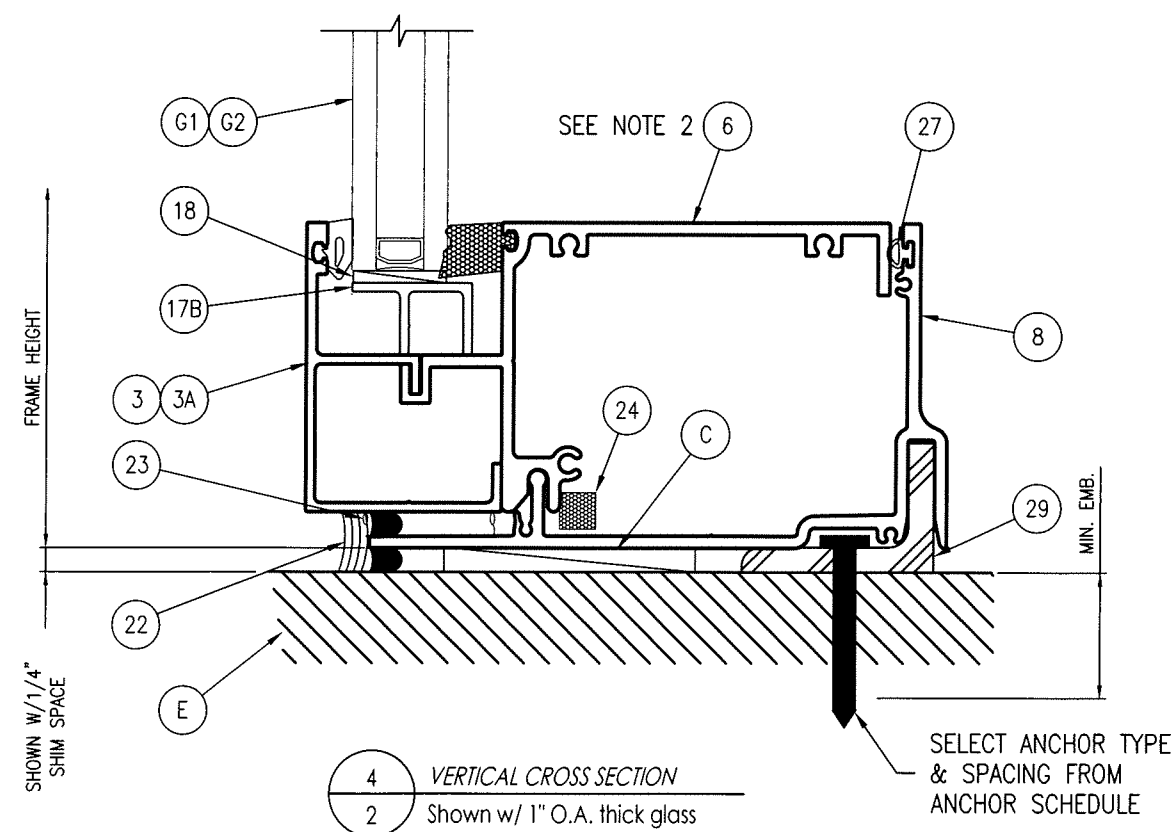
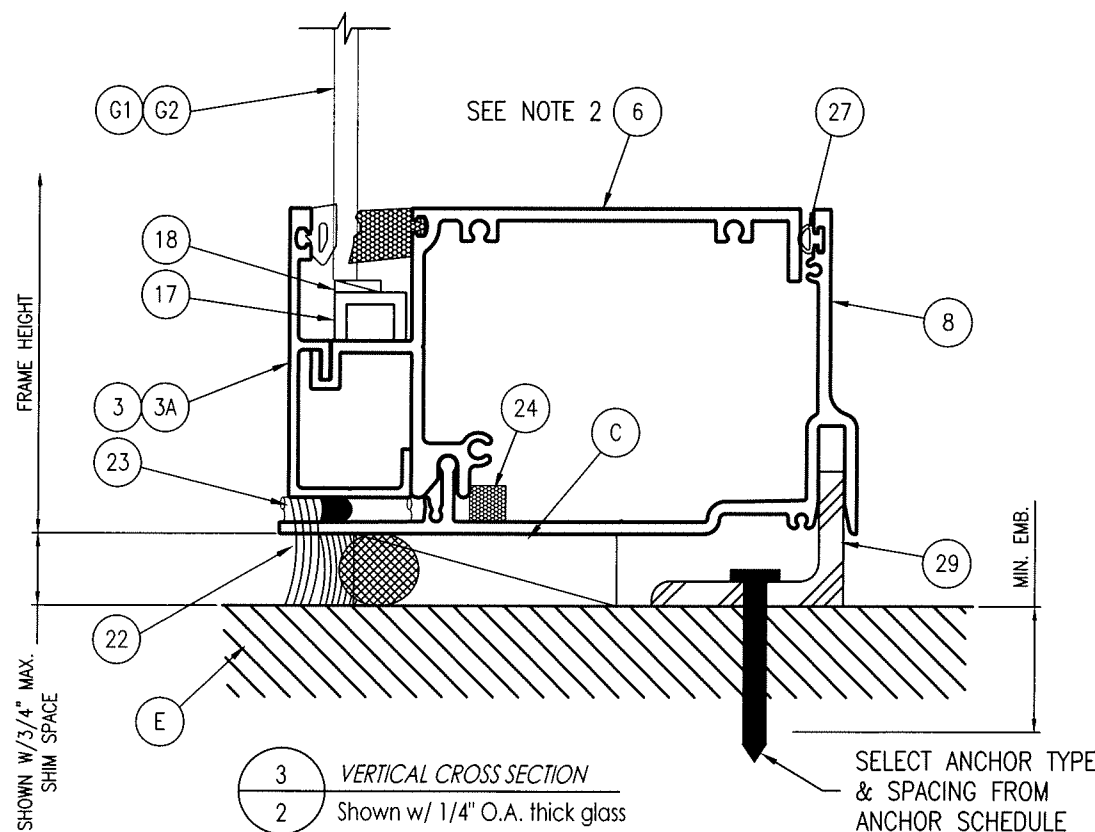
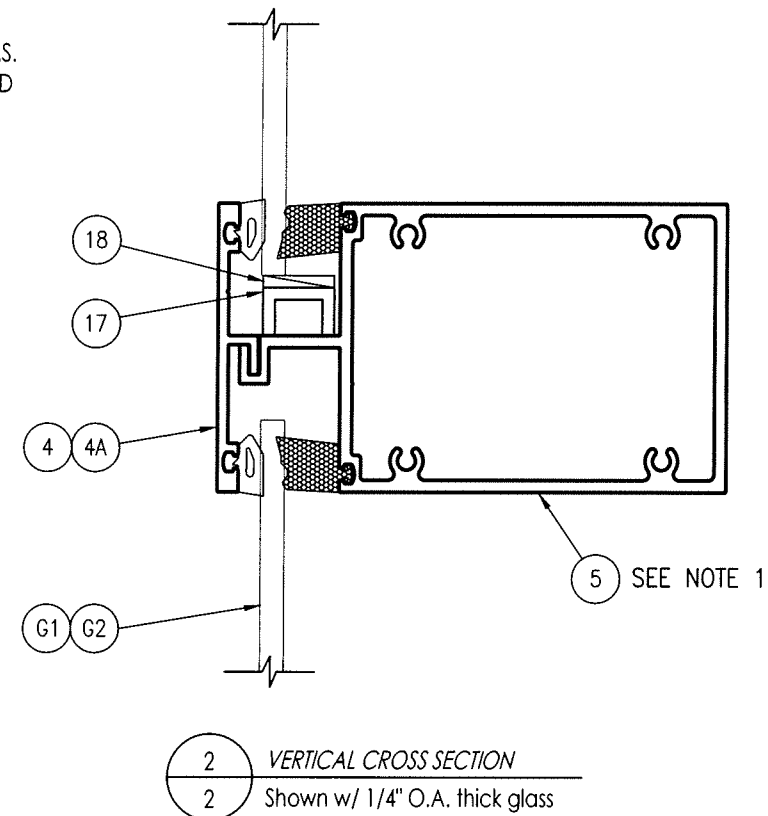
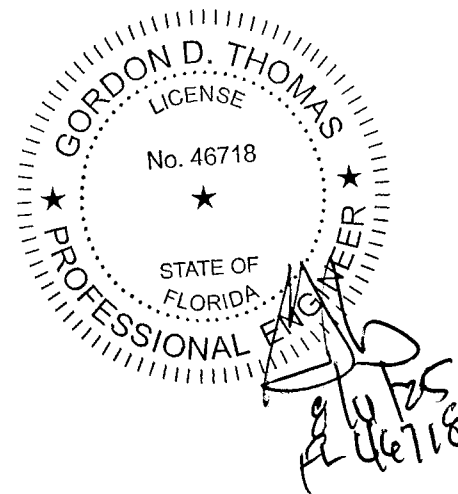
PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

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-15891.8
SHEET: 1 OF 1



- NOTES:
1. FRAME HEAD AND HORIZONTALS ARE ATTACHED TO JAMBS/MULLIONS AT EACH END WITH (4) #12 x 1-1/2" PH SMS.
 2. FRAME SILL IS ATTACHED TO JAMBS/ MULLIONS AT EACH END WITH (3) #12 x 1-1/2" PH SMS



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SUN METALS

PRODUCT: **SUN METALS ALUMINUM WINDOW WALL**

PART OR ASSEMBLY: **VERTICAL CROSS SECTIONS**

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

DATE: 8/23/12

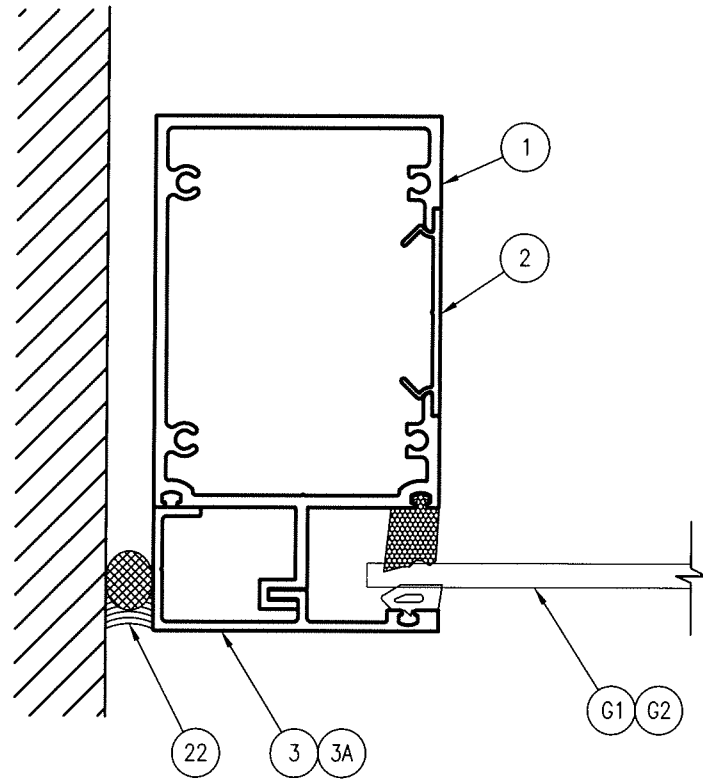
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DWG. BY: CO

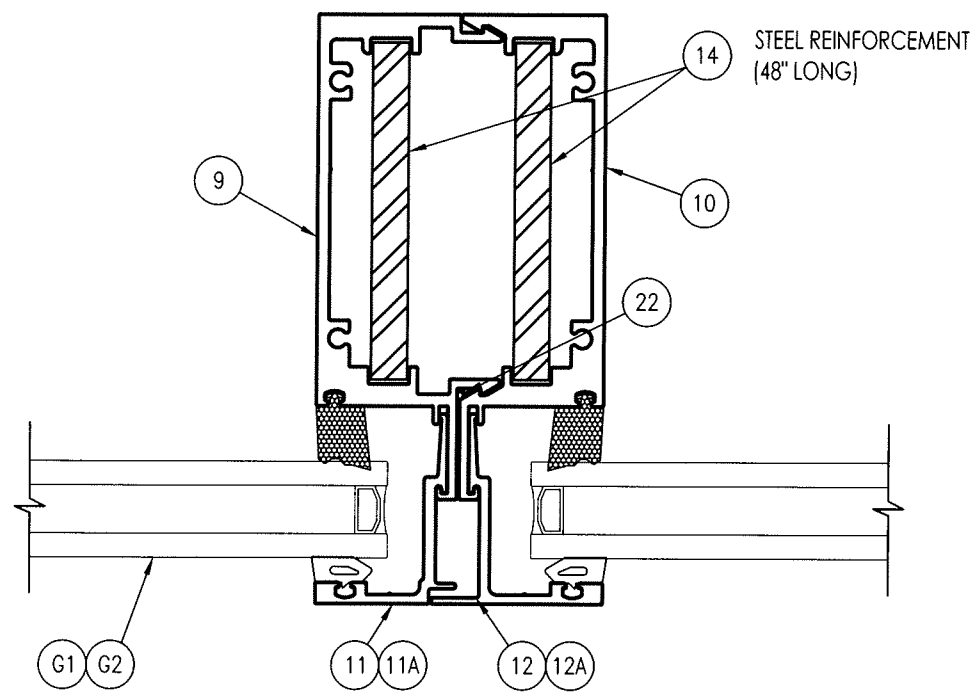
CHK BY: ECV

DRAWING NO.: FL-15891.8

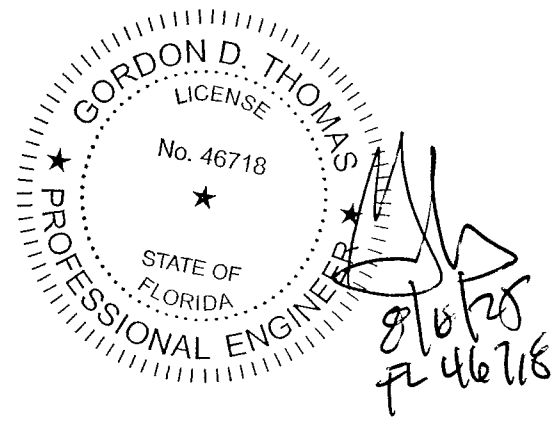
SHEET: **2** OF **1**



1 HORIZONTAL CROSS SECTION
3 Shown w/ 1/4" O.A. thick glass



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





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ALUMINUM WINDOW WALL

PART OR ASSEMBLY:

HORIZONTAL
CROSS SECTIONS

NO	DATE	DESCRIPTION	BY	REVISIONS	
				DATE	DESCRIPTION
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	LFS		
1	2/17/15	UPDATE TO 5TH ED. (2014) FBC ECV	LFS		

DATE: 8/23/12

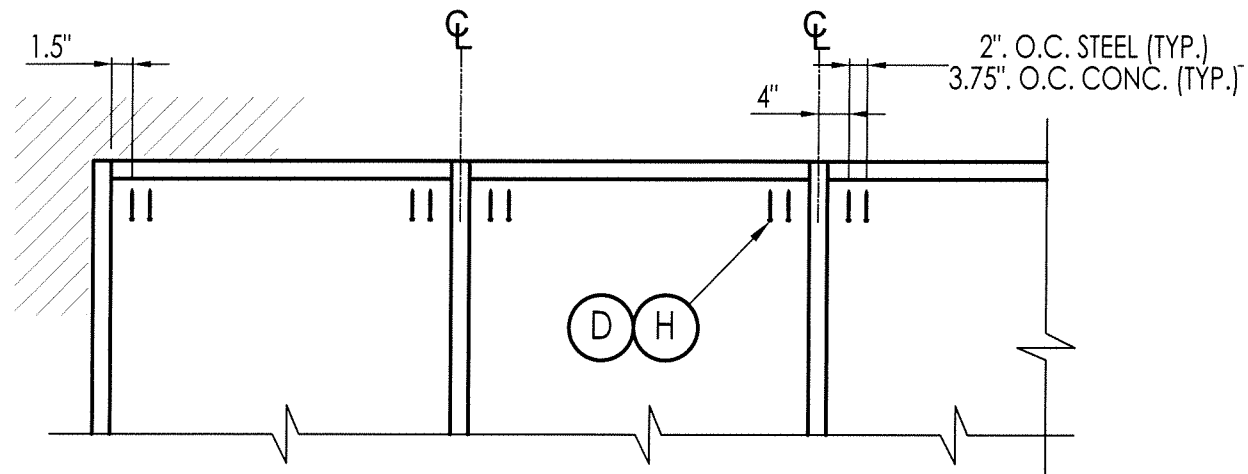
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DWG. BY: CO

CHK BY: ECV

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FL-15891.8

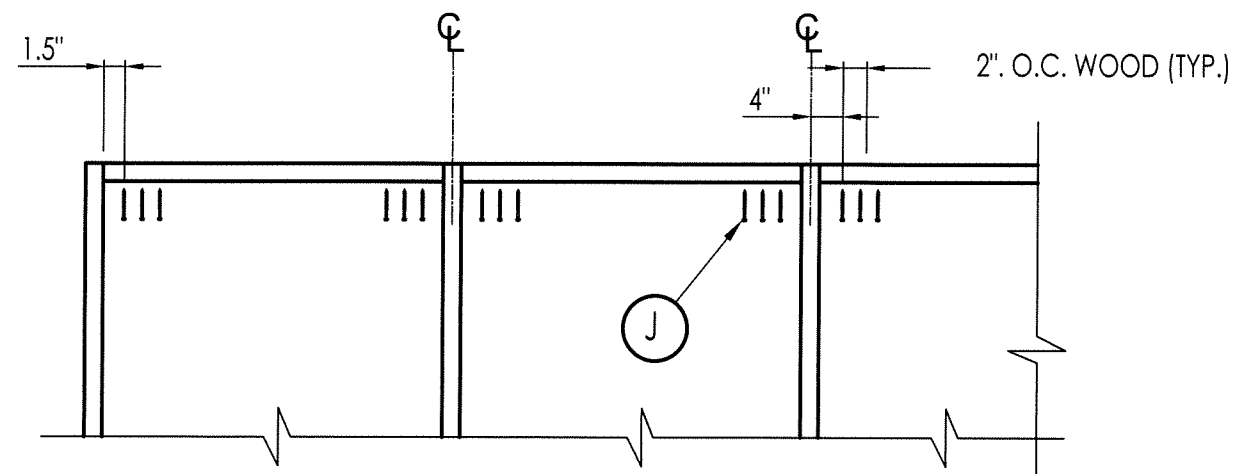
SHEET: **3** OF **7**



ANCHORING

(CONCRETE & STEEL)

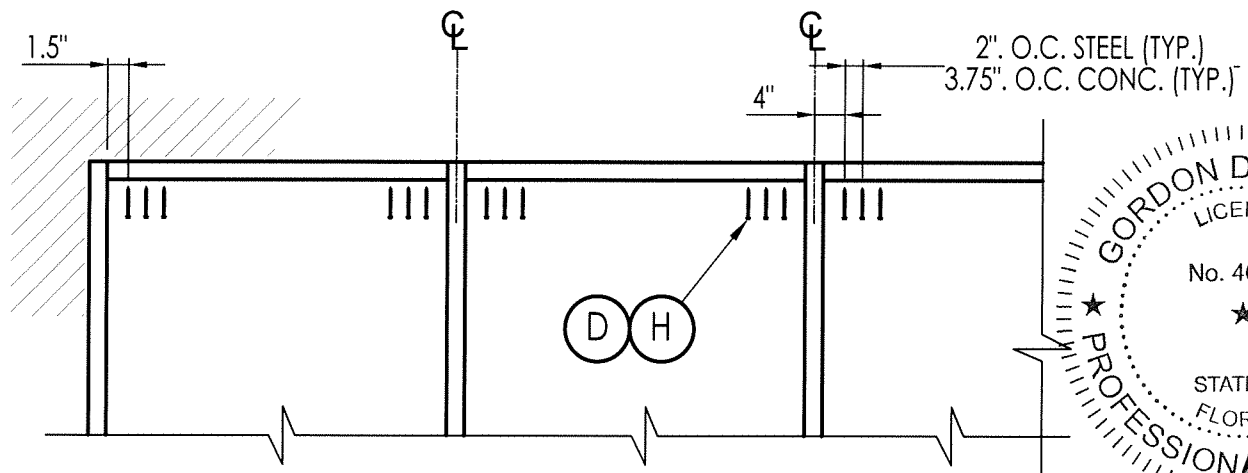
MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP <= 75 PSF



ANCHORING

(WOOD)

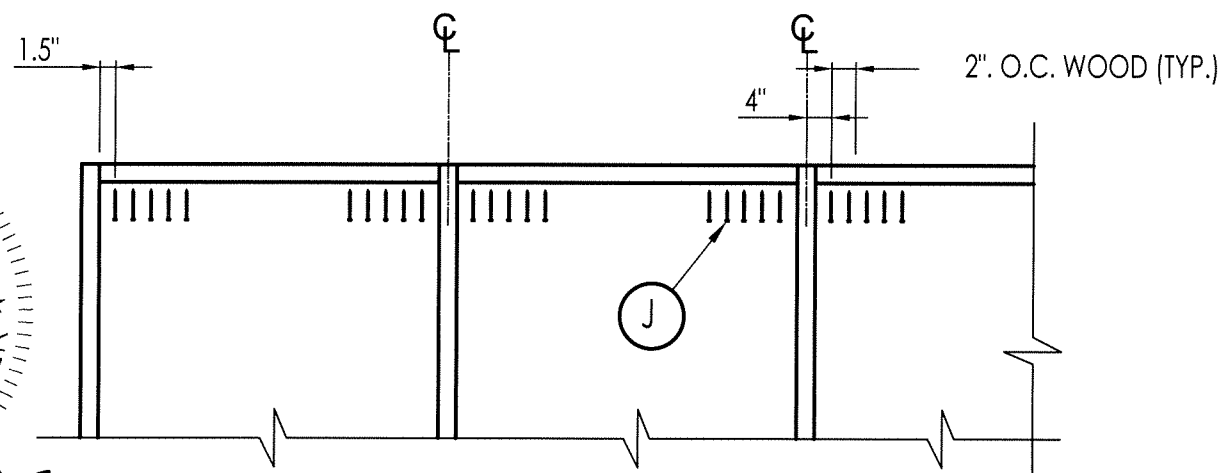
MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP <= 75 PSF



ANCHORING

(CONCRETE & STEEL)

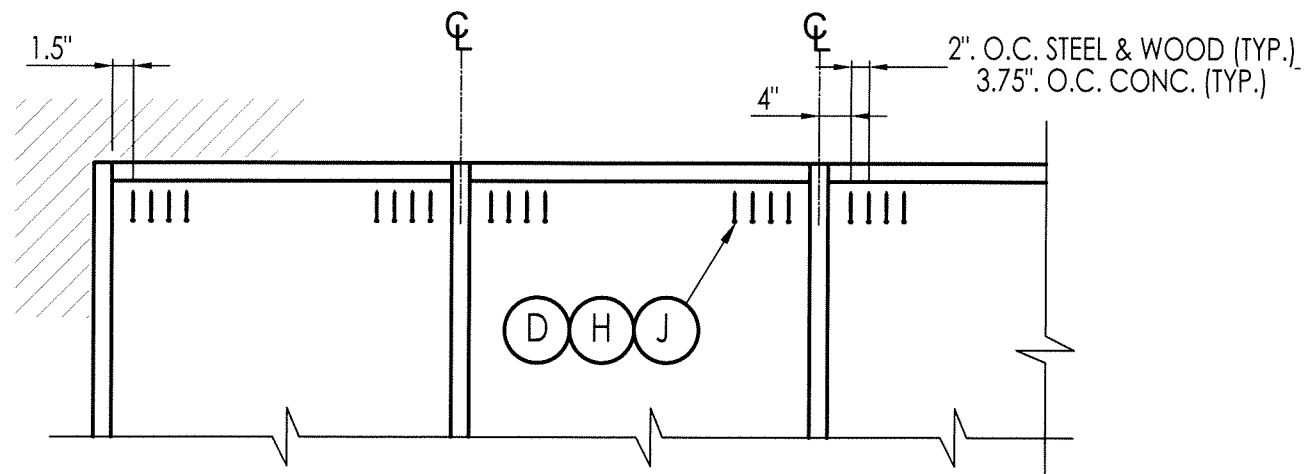
MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP @ HEAD <= 115 PSF



ANCHORING

(WOOD)

MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP @ HEAD <= 115 PSF

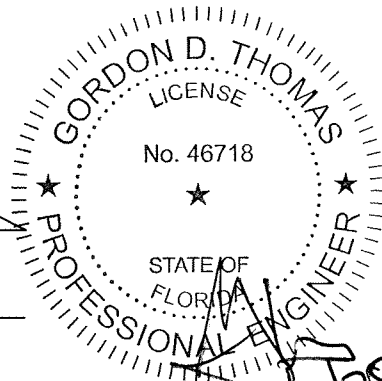


ANCHORING

(CONCRETE, STEEL & WOOD)

MAX. SHIM SPACE @ HEAD <= 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

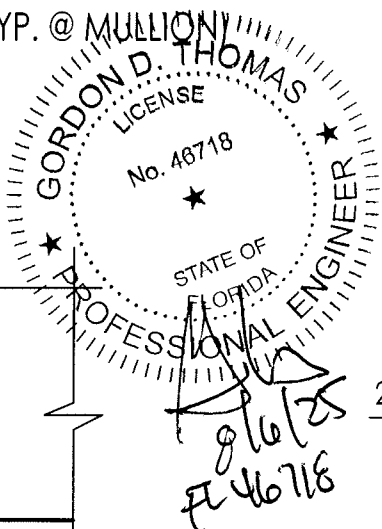
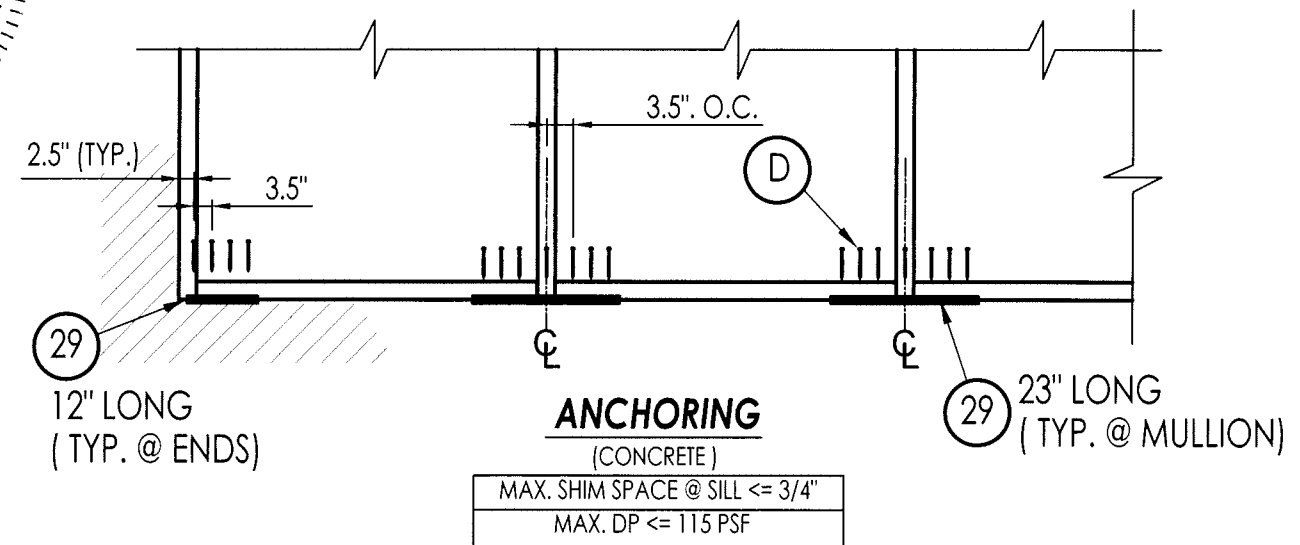
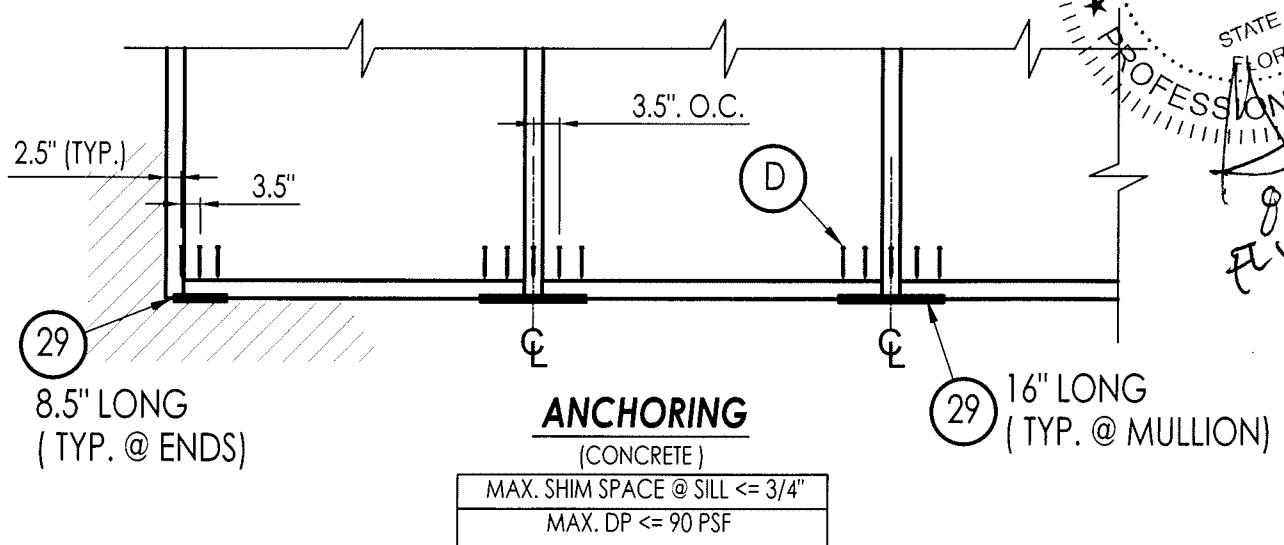
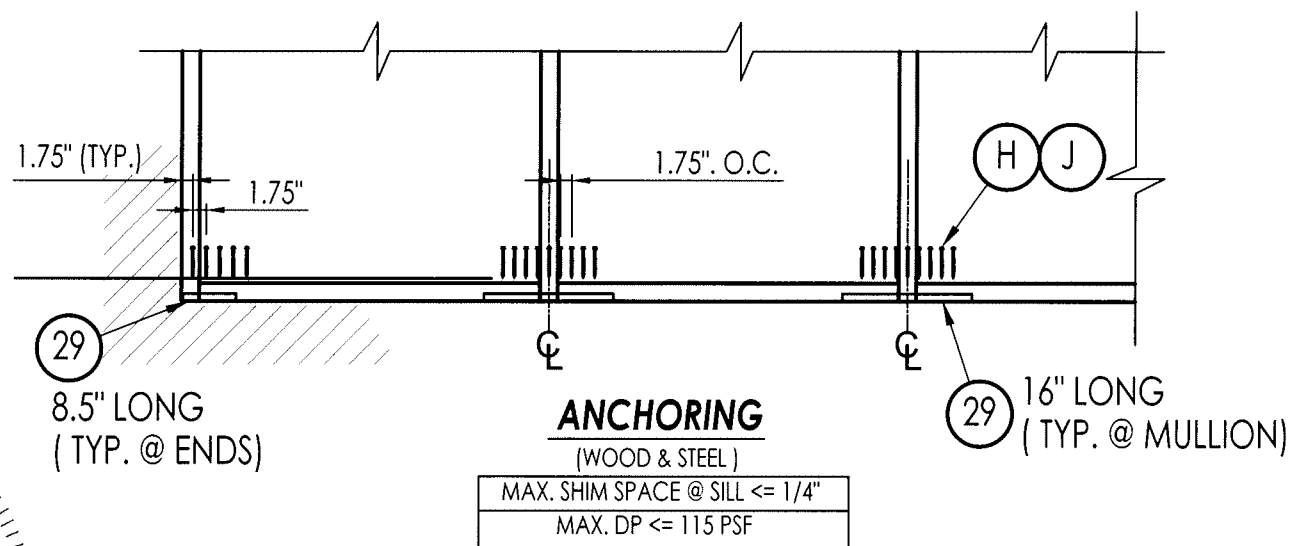
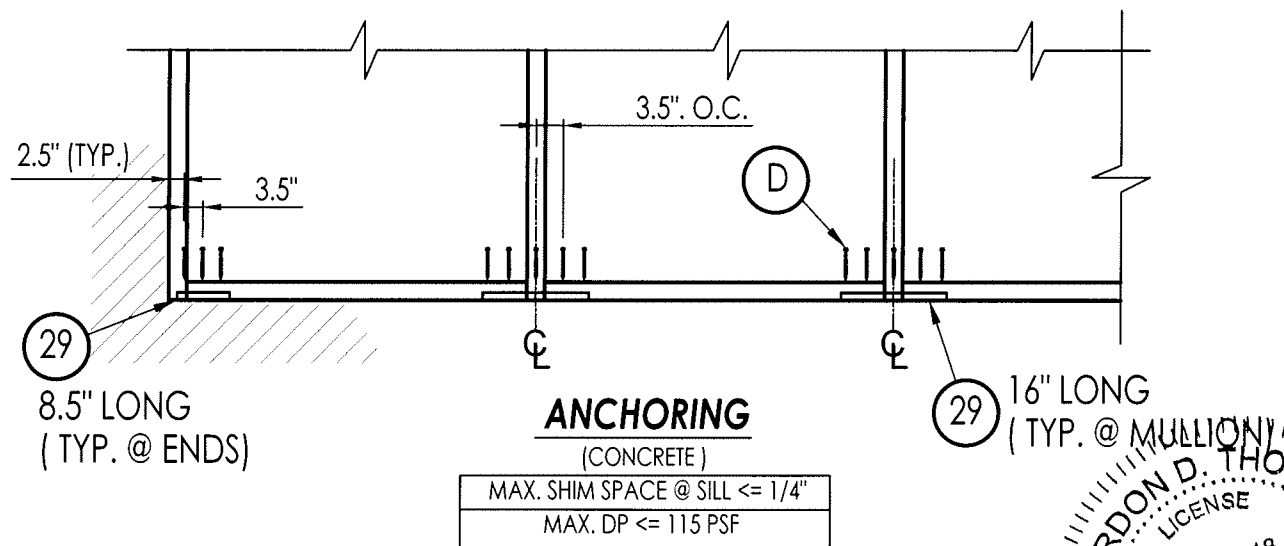
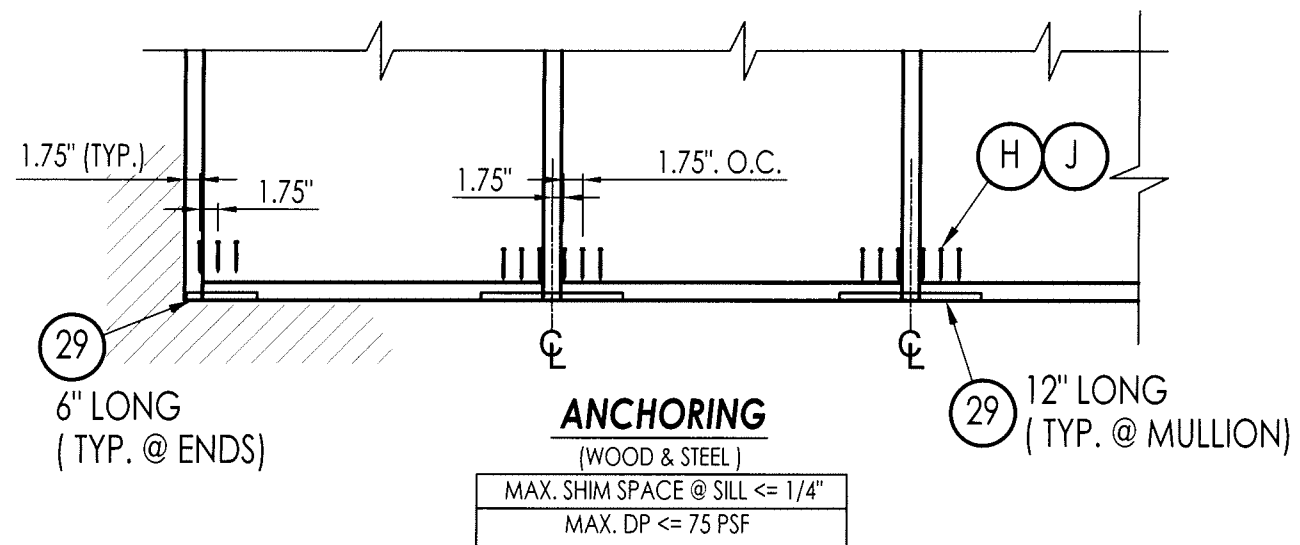
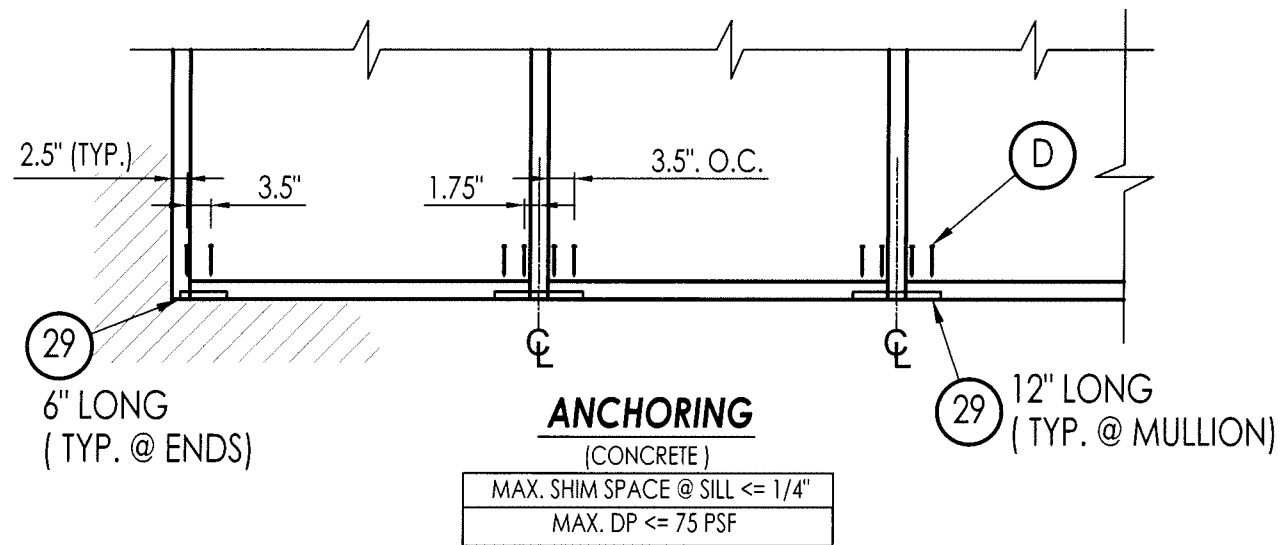


9/14/25
FL 46718

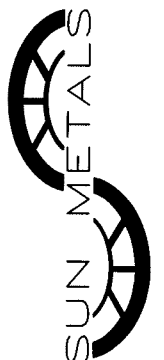
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PRODUCT:		SUN METALS	
		ALUMINUM WINDOW WALL	
PART OR ASSEMBLY:		HEAD ANCHORING ELEVATIONS & ANCHORING SCHEDULE	
		ECV	JCB
		UPDATE TO 8TH ED. (2023) FBC	UPDATE TO 7TH ED. (2020) FBC
4	7/14/25	UPDATE TO 6TH ED. (2017) FBC	UPDATE TO 5TH ED. (2014) FBC
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NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 8/23/12			
SCALE: N.T.S.			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-15891.8			
SHEET: 4 OF 7			



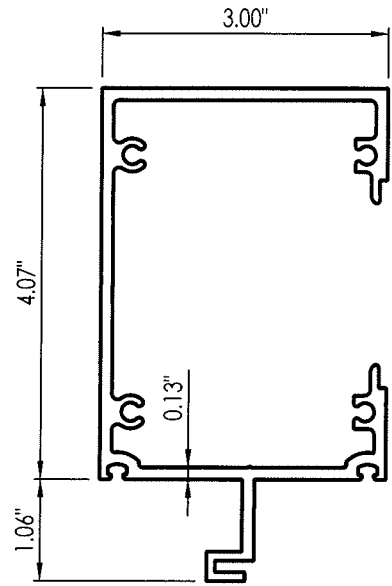
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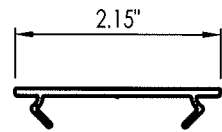
PRODUCT: SUN METALS ALUMINUM WINDOW WALL
PART OR ASSEMBLY: SILL ANCHORING ELEVATIONS

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

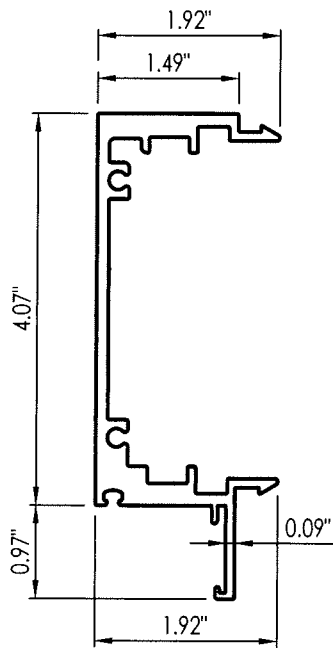
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DWG. BY: CO
CHK BY: ECV
DRAWING NO.: FL-15891.8
SHEET: **5** OF **7**



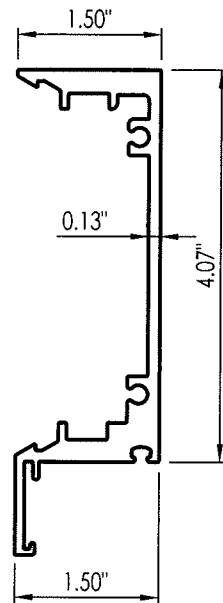
1 FRAME JAMB/ HEAD



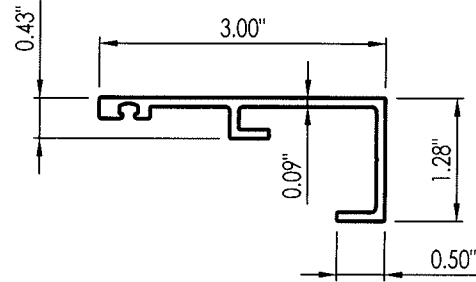
2 FILLER



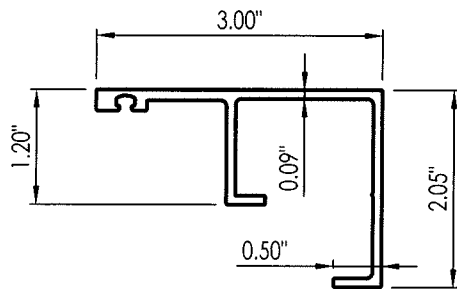
9 MALE MULLION



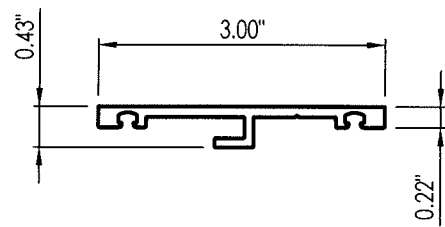
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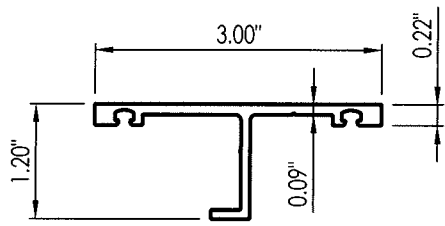
3 FACE CAP
Head/Jamb



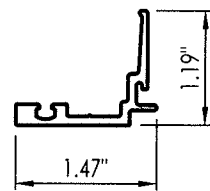
3A FACE CAP
Head/Jamb



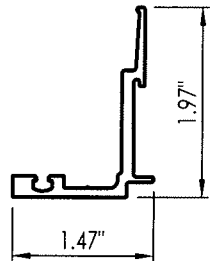
4 FACE CAP
Rail



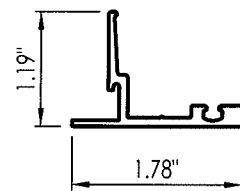
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Rail



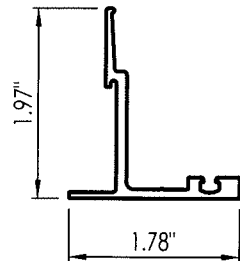
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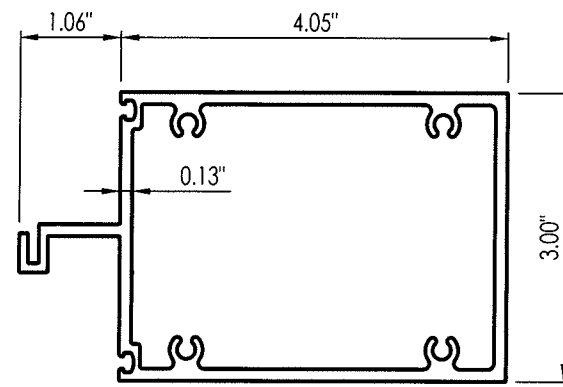
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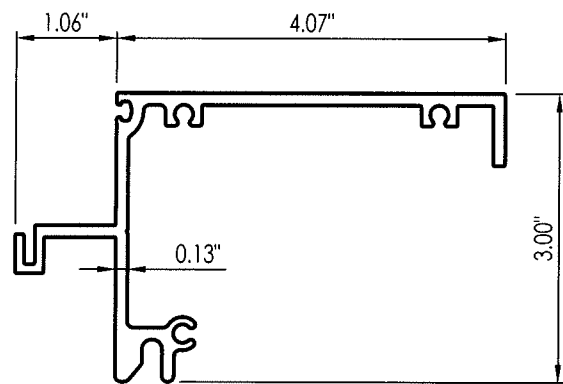
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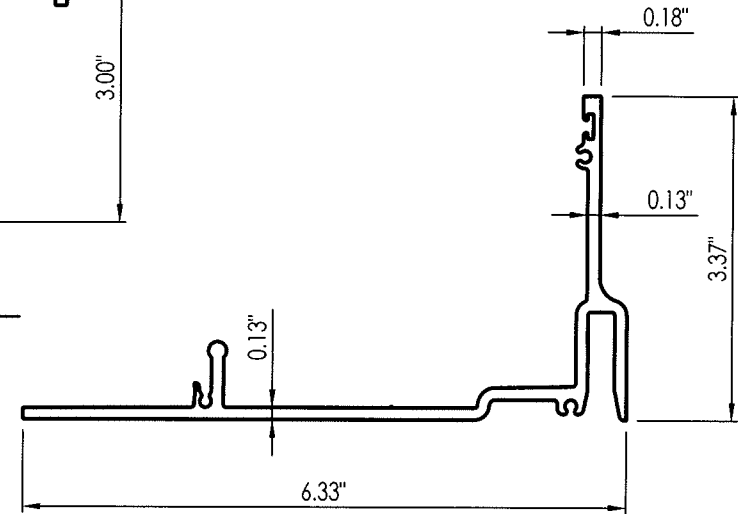
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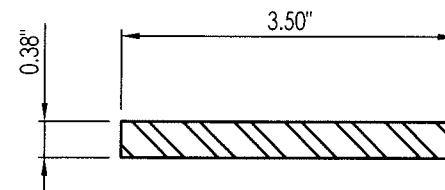
5 HORIZONTAL/ JAMB



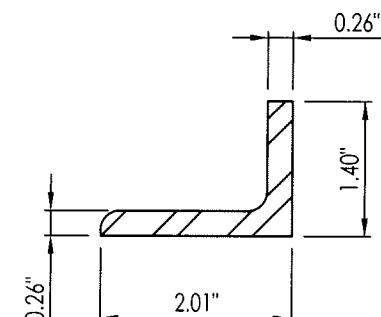
6 SILL



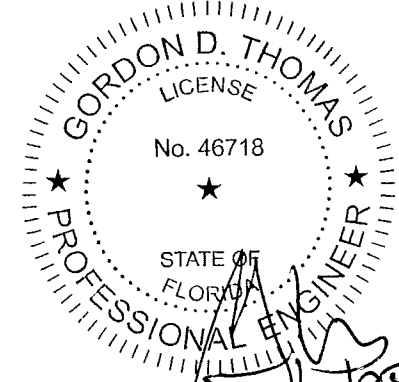
8 STARTER SILL



14 REINFORCEMENT BAR
48\"/>



29 SILL ANCHOR BRACKET
(ANCHOR BRACKET LENGTH VARIES)



Handwritten signature and date: 8/25/12

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SUN METALS

PRODUCT:

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ALUMINUM WINDOW WALL

PART OR ASSEMBLY:

COMPONENTS

NO	DATE	DESCRIPTION	BY	
			NO	DATE
4	7/14/25	UPDATE TO 8TH ED. (2023)	ECV	JCB
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1	2/17/15	UPDATE TO 5TH ED. (2014)	LFS	JCB

DATE: 8/23/12

SCALE: N.T.S.

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
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SHEET: **6** OF **7**

