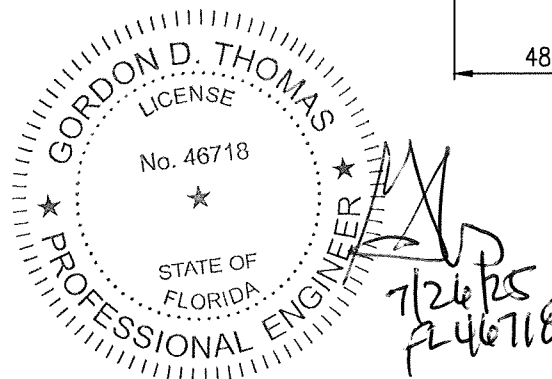
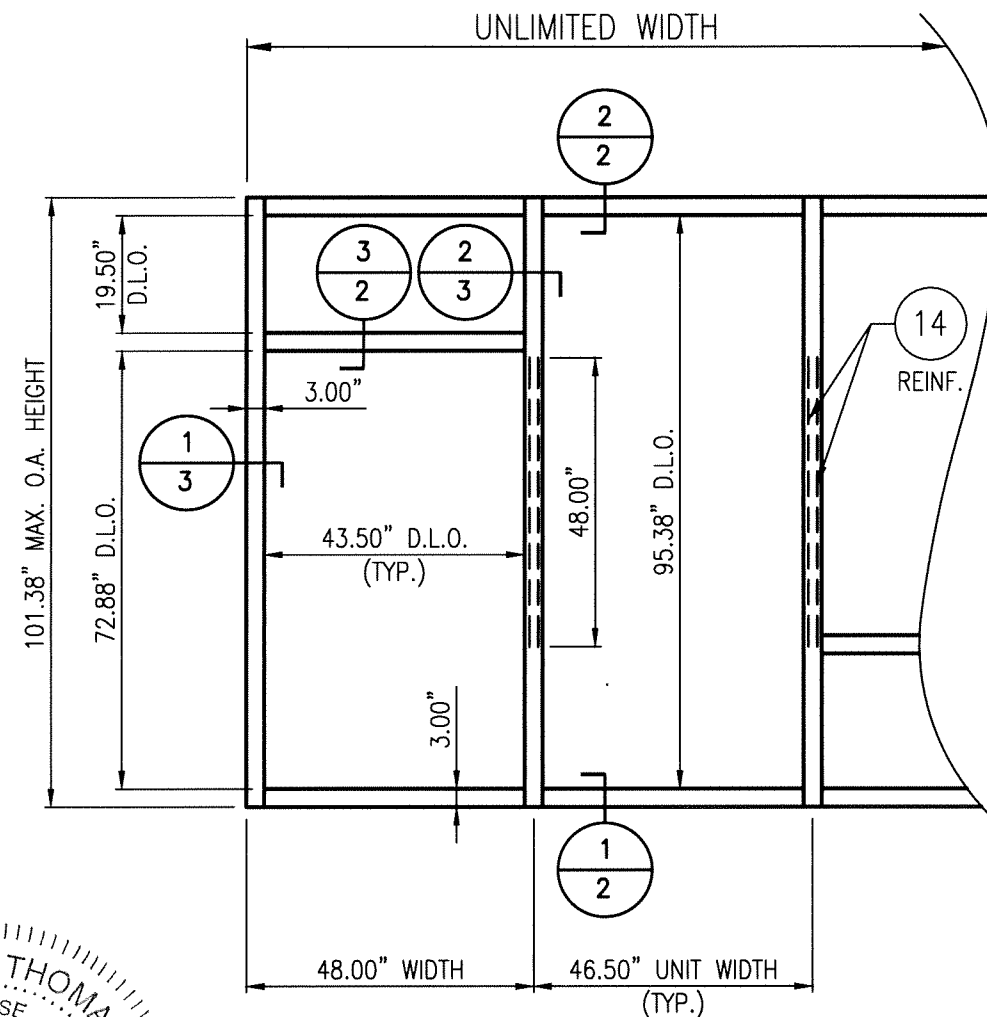




1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in "HVHZ", for installation above 30 feet above grade, this product complies with Section 1626 of the Florida Building Code as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with Section 1626 of the Florida Building Code.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, for installations above 30 feet above grade this product complies with Section 1609.1.2 of the 2023 FBC as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with Section 1609.1.2 of the Florida Building Code.
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

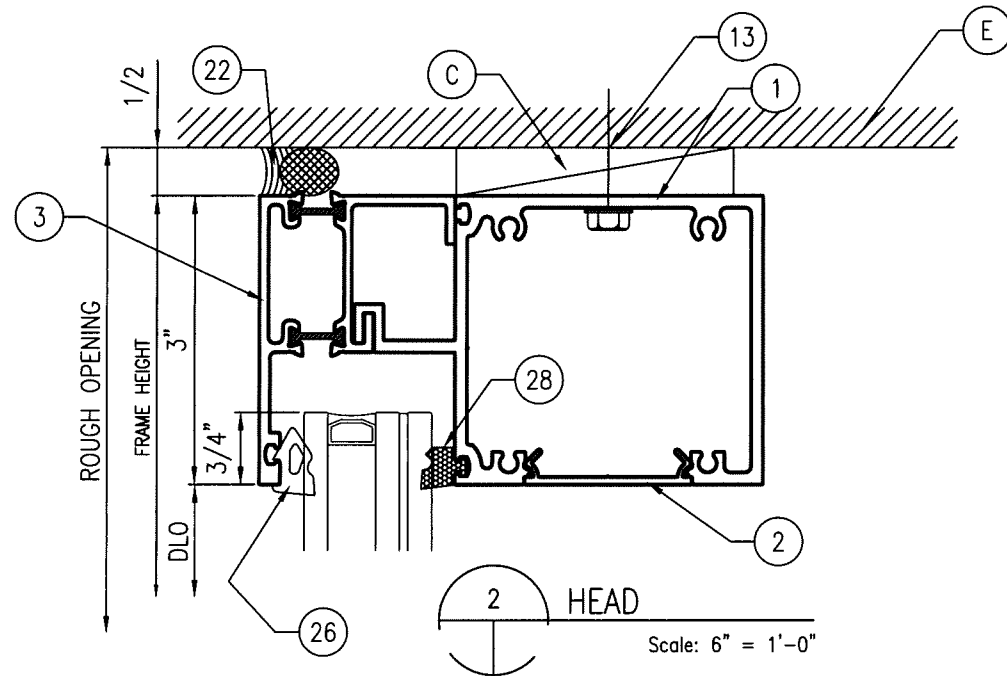


MAX. OPENING HEIGHT	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
101.38"	43.50" x 95.38"	G1	+100.0	-100.0

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FAX: (813) 886-0666

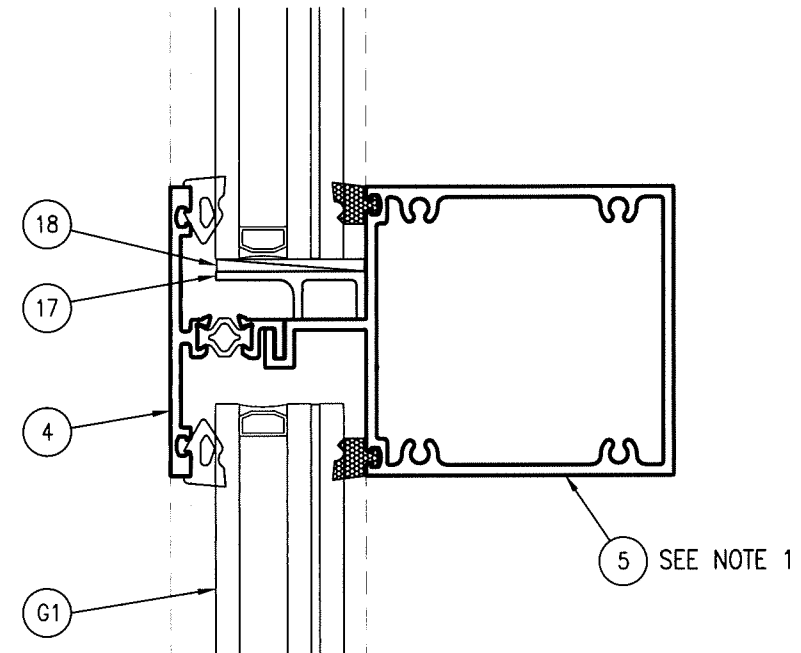
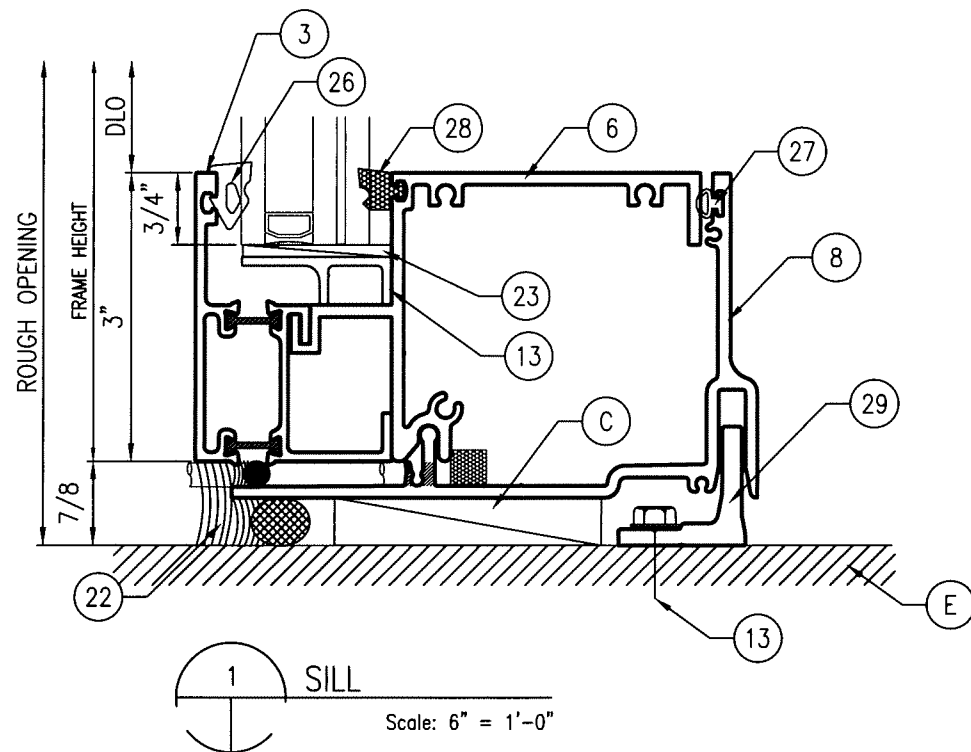


DATE: 3/6/23										PRODUCT:		SUN METALS 450T ALUMINUM WINDOW WALL	
SCALE: N.T.S										PART OR ASSEMBLY:		TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
DWG. BY: ECV													
CHK BY: -													
DRAWING NO.:													
FL-41967.2													
SHEET: 1		OF		7									

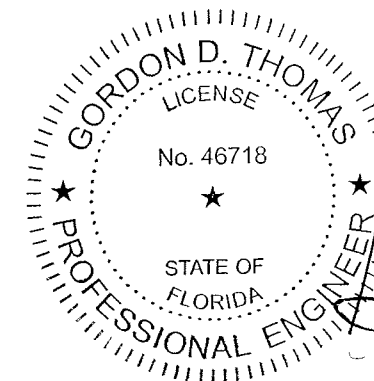


NOTES:

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



3 HORIZONTAL
1 5/16" Glazing
Scale: 6" = 1'-0"



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PRODUCT:
SUN METALS 450T
ALUMINUM WINDOW WALL

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO	DATE	DESCRIPTION	BY
1	7/14/25	UPDATE TO 2023 FBC	ECV

DATE: 3/6/23

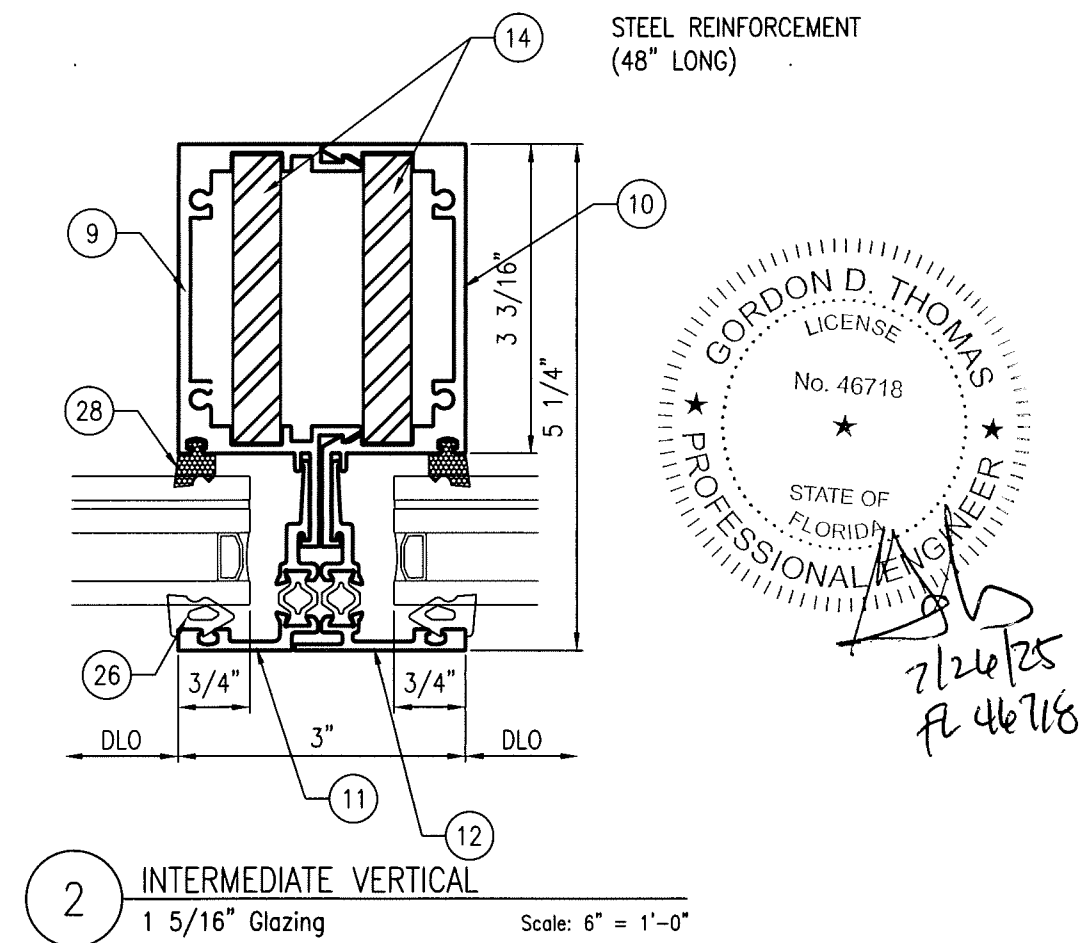
SCALE: N.T.S

DWG. BY: ECV

CHK BY: -

DRAWING NO.:
FL-41967.2

SHEET: 2 OF 1



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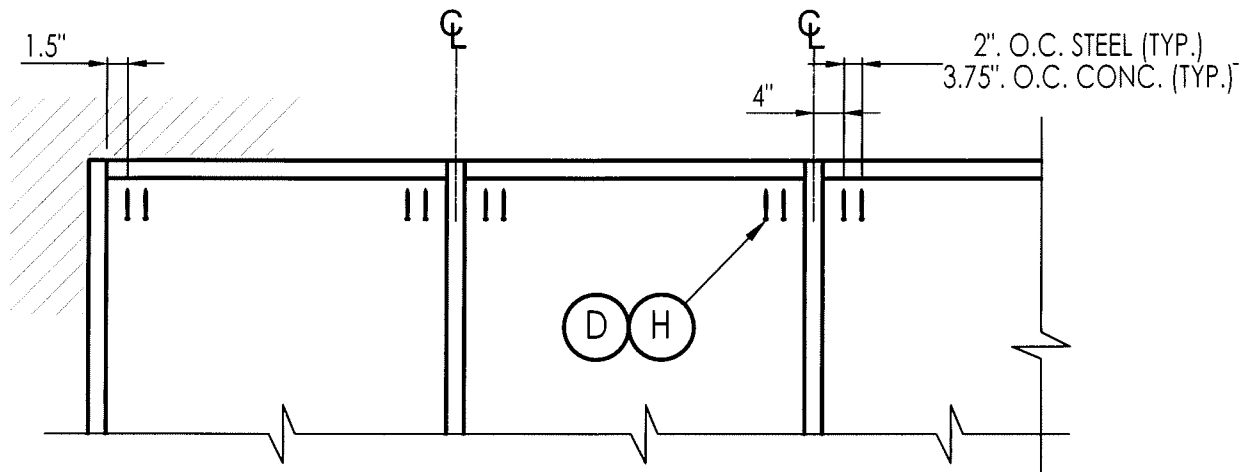
PRODUCT: SUN METALS 450T
ALUMINUM WINDOW WALL

PART OR ASSEMBLY:

**HORIZONTAL
CROSS SECTIONS**

[illegible]

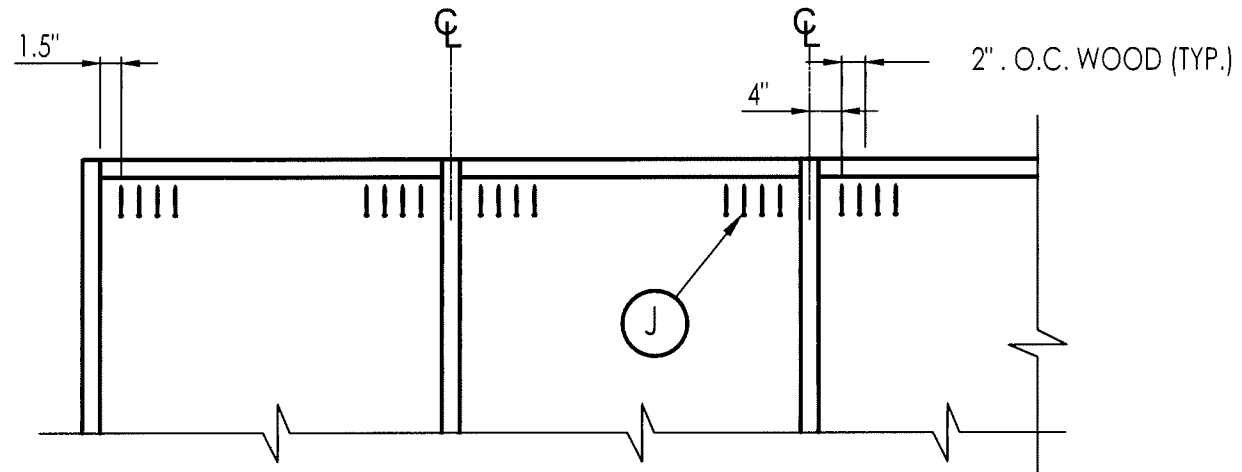
SHEET: **3** OF **7**



ANCHORING

(CONCRETE & STEEL)

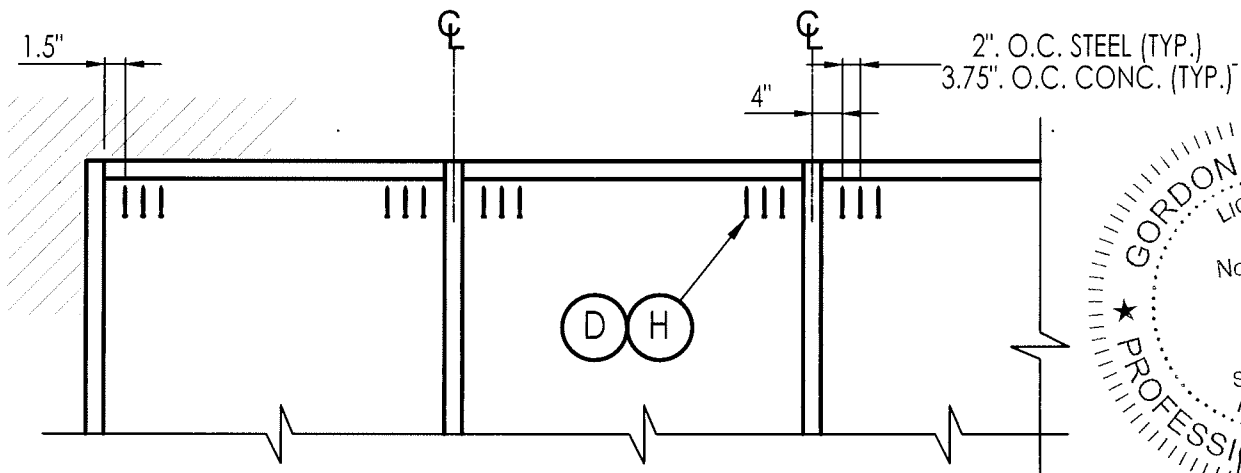
MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP <= 70 PSF



ANCHORING

(WOOD)

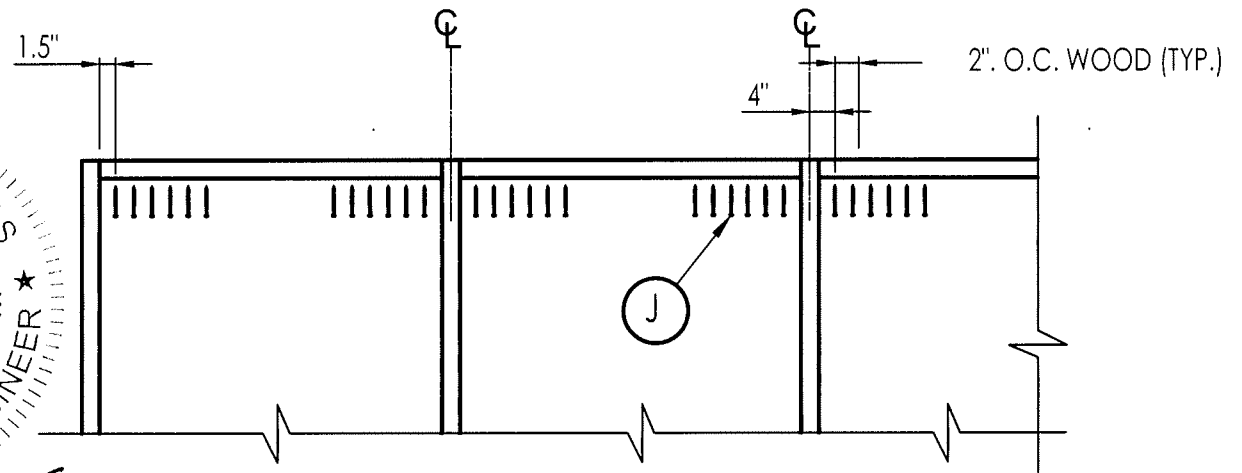
MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP <= 75 PSF



ANCHORING

(CONCRETE & STEEL)

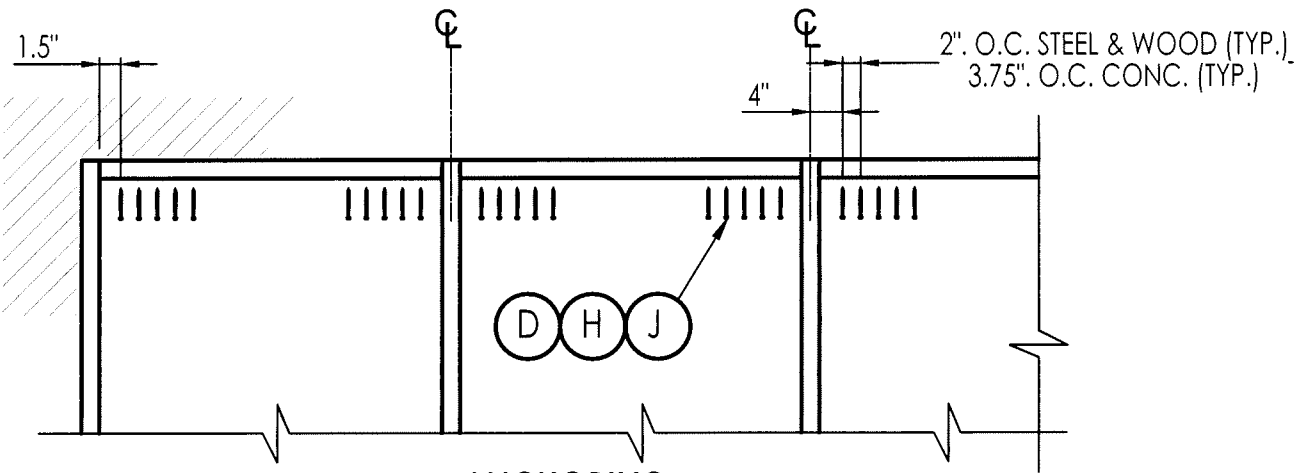
MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP @ HEAD <= 100 PSF



ANCHORING

(WOOD)

MAX. SHIM SPACE @ HEAD <= 1/4"
MAX. DP @ HEAD <= 100 PSF

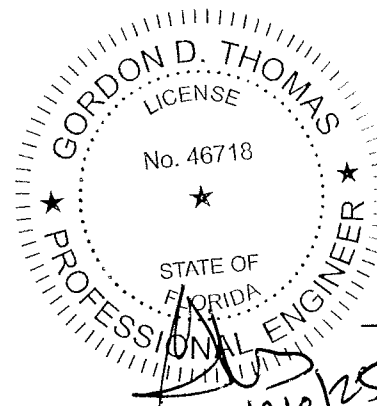


ANCHORING

(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



2/26/25
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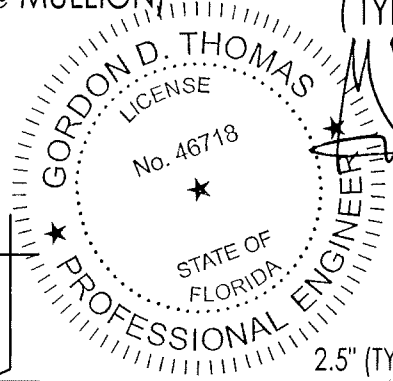
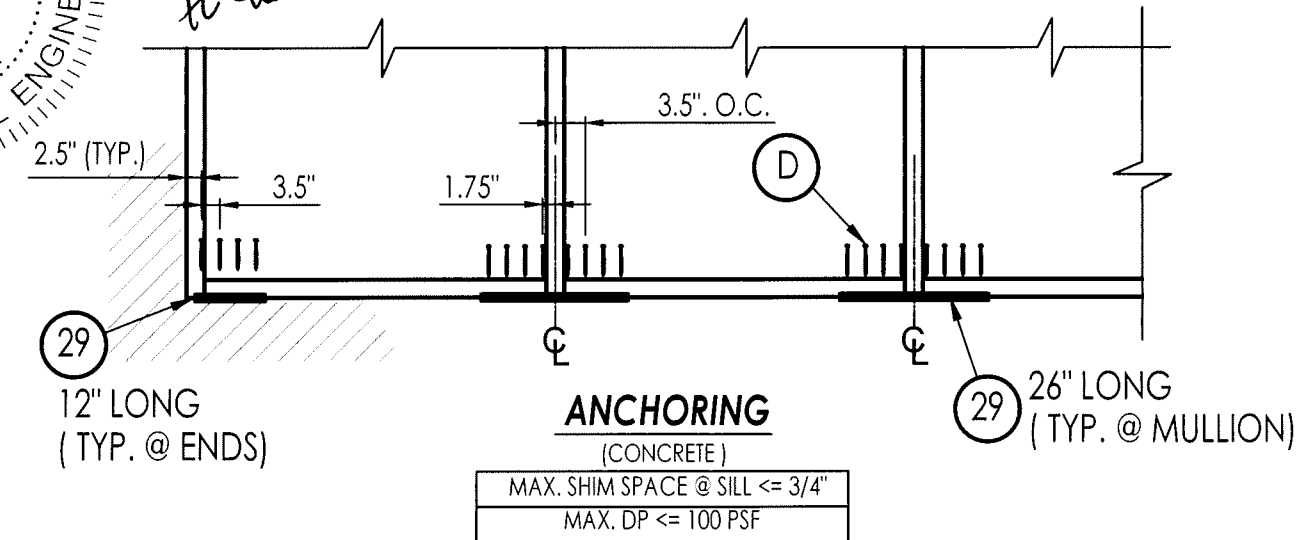
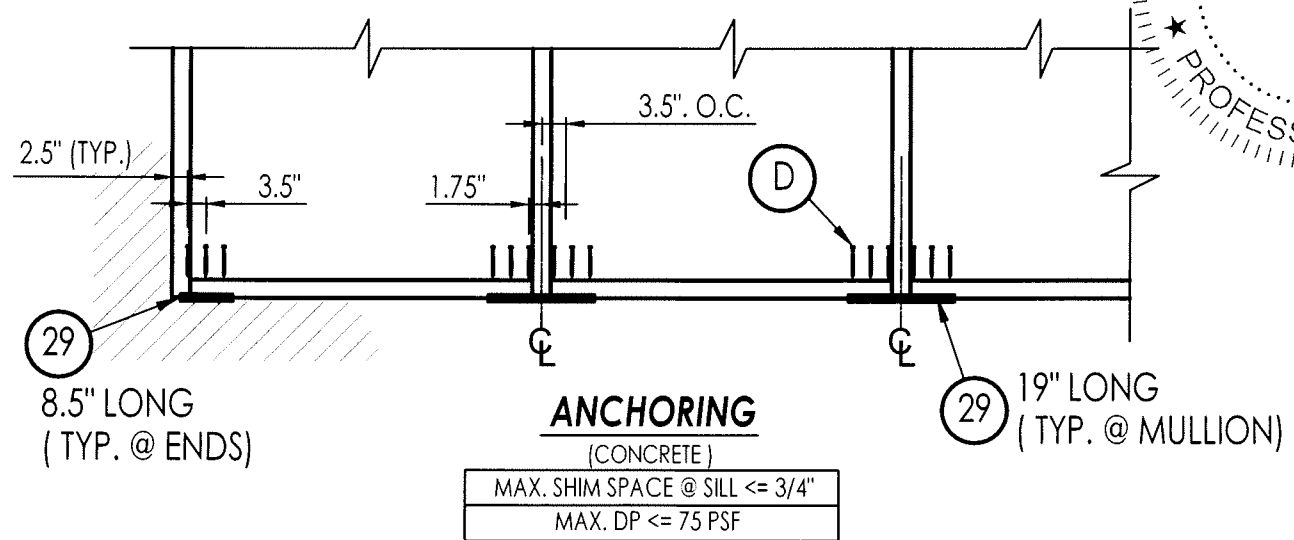
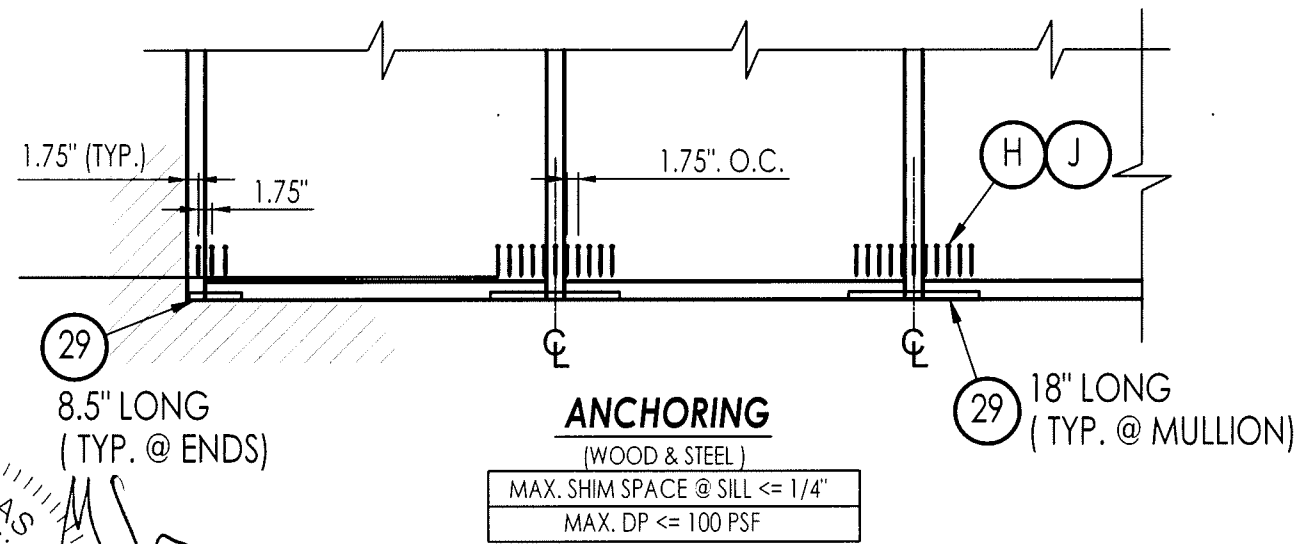
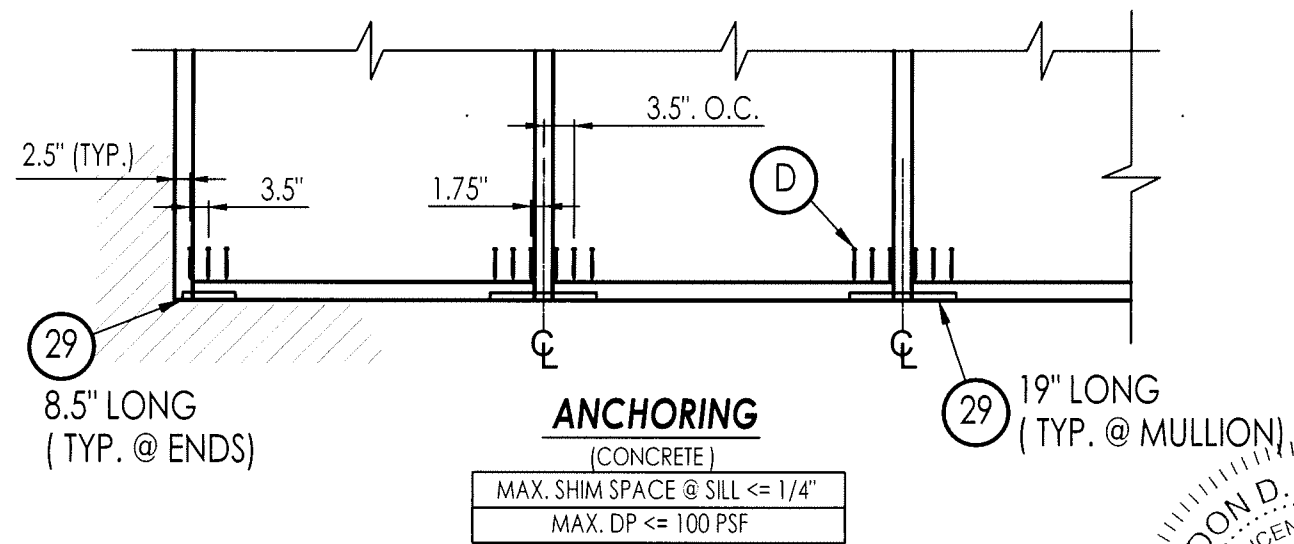
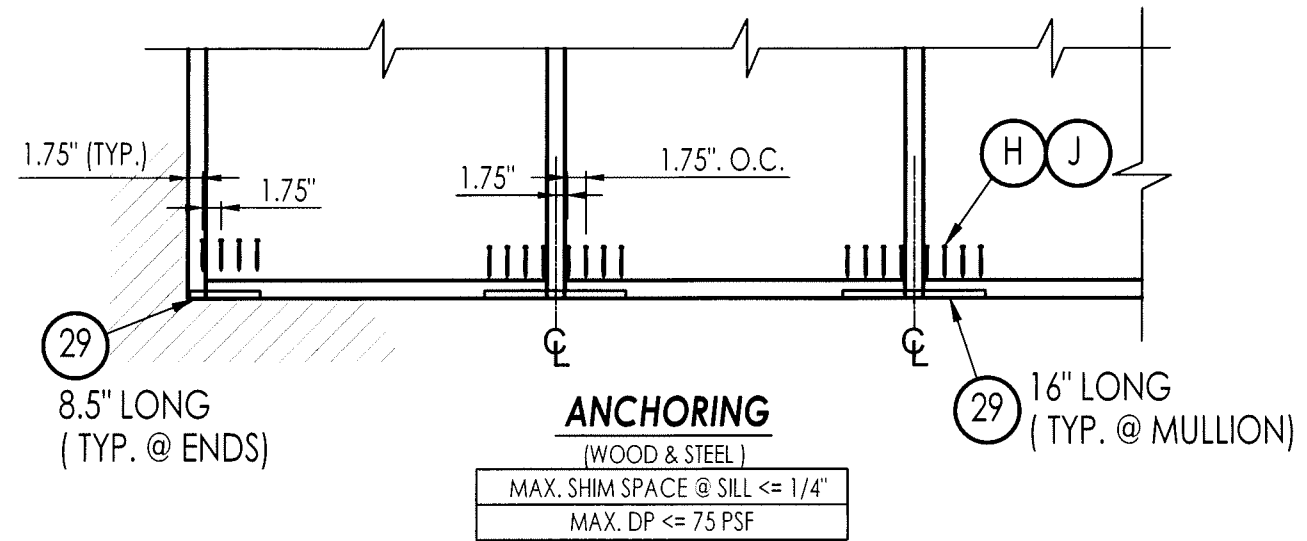
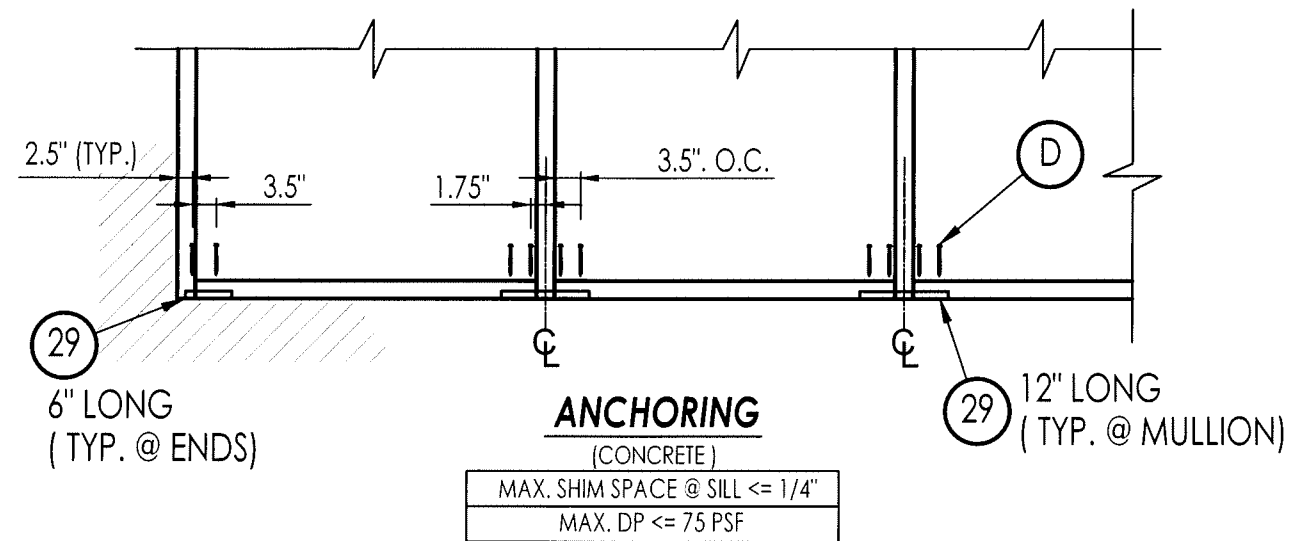


PRODUCT:
SUN METALS 450T
ALUMINUM WINDOW WALL

PART OR ASSEMBLY:
HEAD ANCHORING ELEVATIONS
& ANCHORING SCHEDULE

NO	DATE	DESCRIPTION	BY
1	7/14/25	UPDATE TO 2023 FBC	ECV

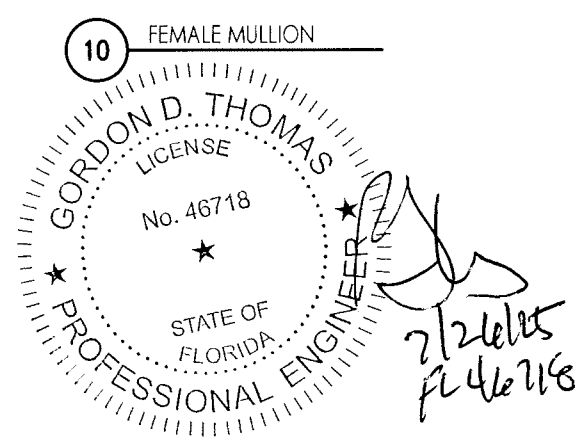
DATE: 3/6/23
SCALE: N.T.S.
DWG. BY: ECV
CHK BY: -
DRAWING NO.:
FL-41967.2
SHEET: 4 OF 7



7/24/25
H 46216

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

[illegible]



SUN METALS

PART OR ASSEMBLY: **COMPONENTS**

[illegible]

SHEET: **6** OF **7**

SUN METALS						5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666							
PRODUCT:													
			SUN METALS 450T										
			ALUMINUM WINDOW WALL										
PART OR ASSEMBLY:													
			BILL OF MATERIALS										
			GLAZING DETAILS & COMPONENTS										
			UPDATE TO 2023 FBC				DESCRIPTION		BY		REVISIONS		
NO.	DATE		7/14/25										
A													
DATE: 3/6/23													
SCALE: N.T.S													
DWG. BY: ECV													
CHK BY: -													
DRAWING NO.: FL-41967.2													
SHEET: 1 OF 1													