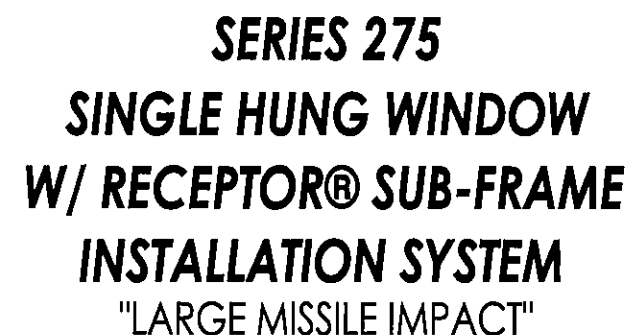
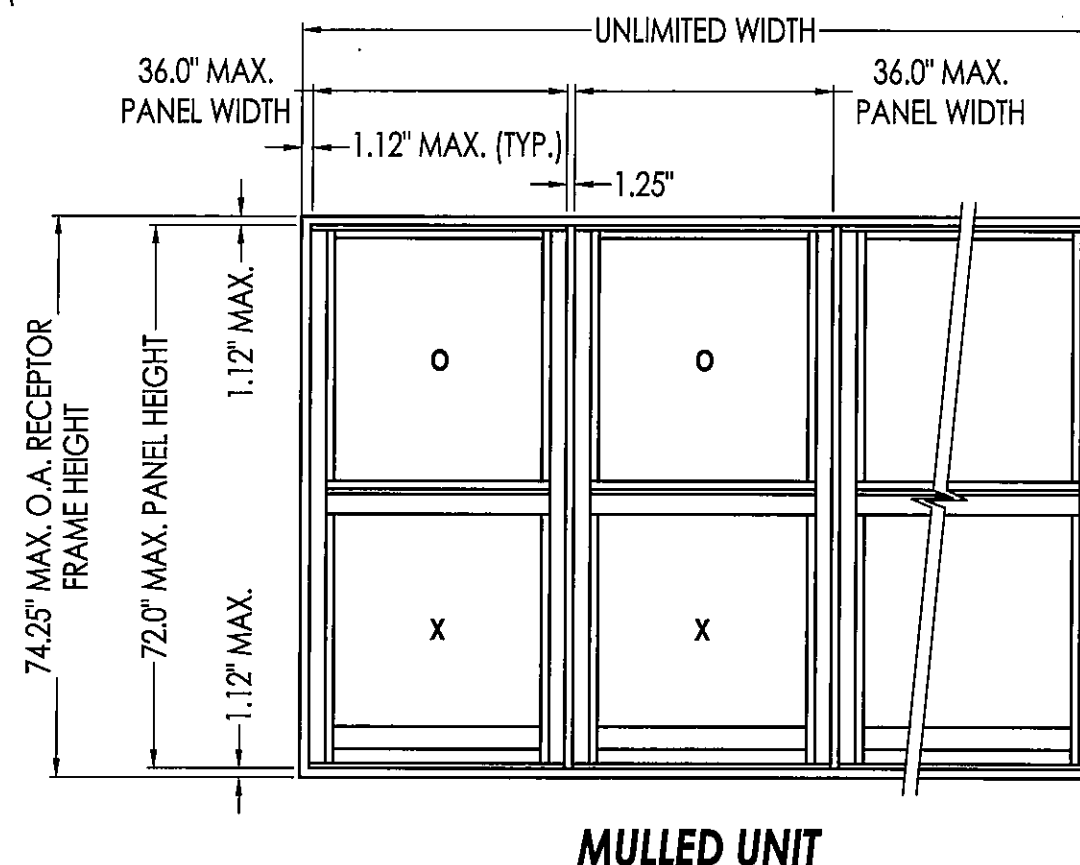
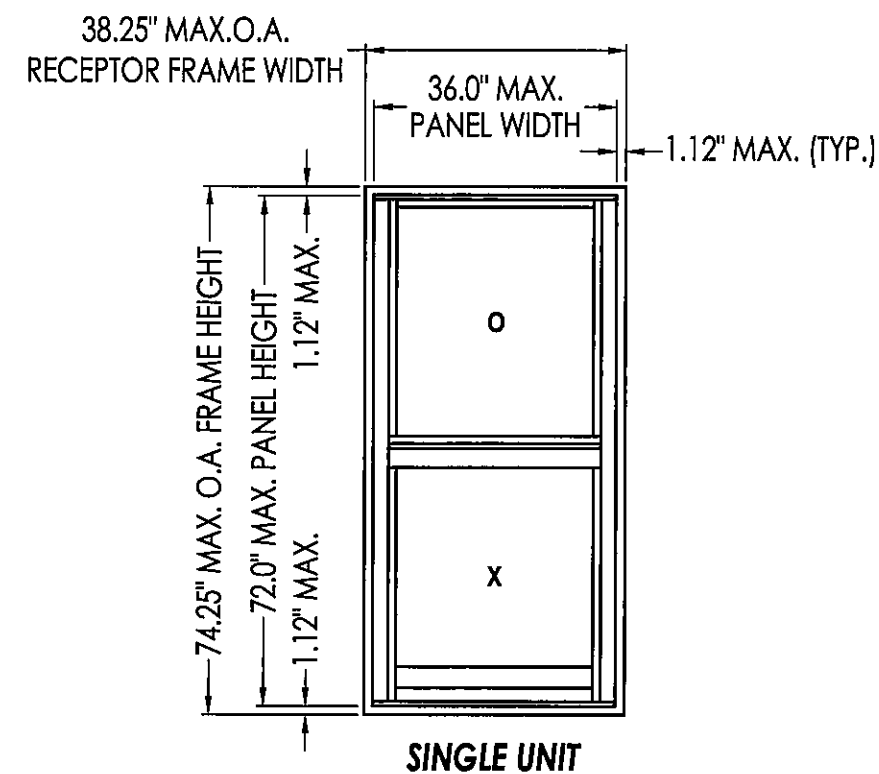
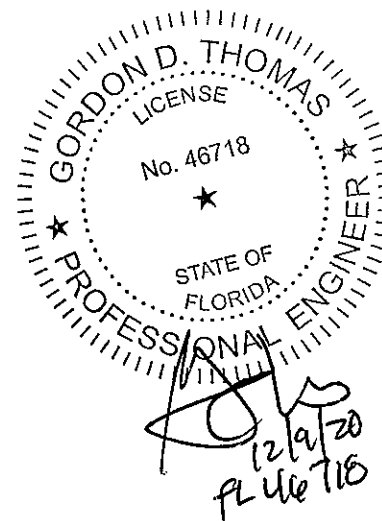




1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond 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 2020 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.
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".

TABLE OF CONTENTES	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross section
3	Vertical cross sections
4	Frame anchoring
5	Bill of materials, glazing detail & components

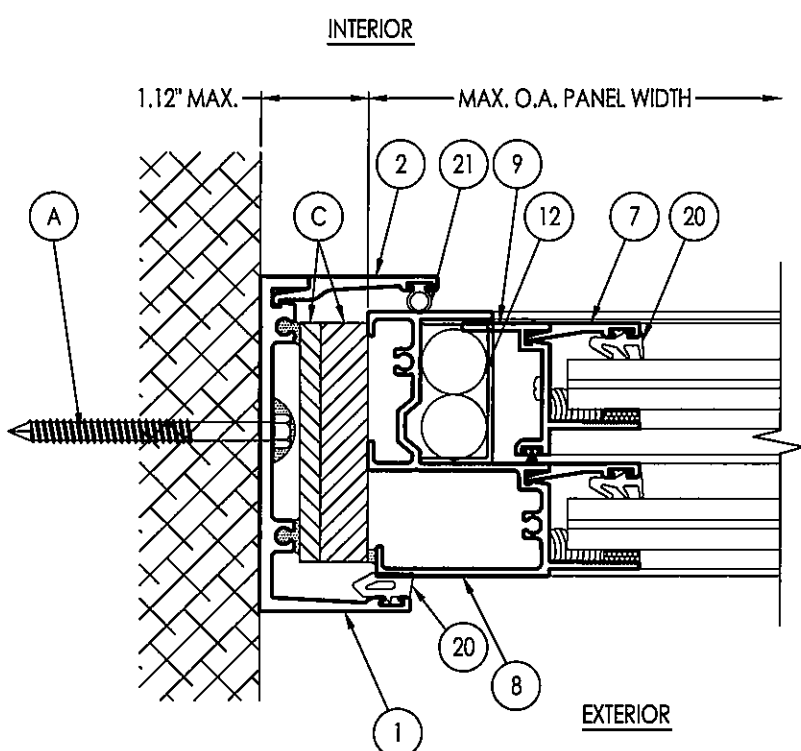
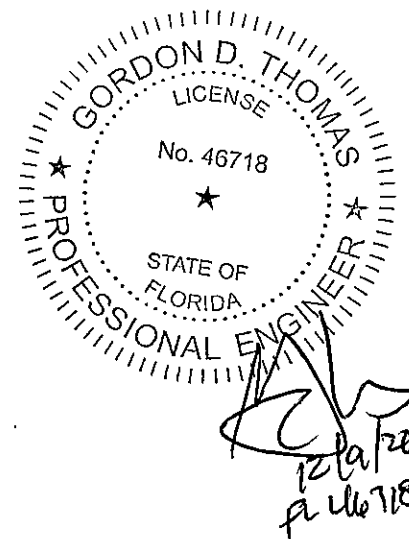
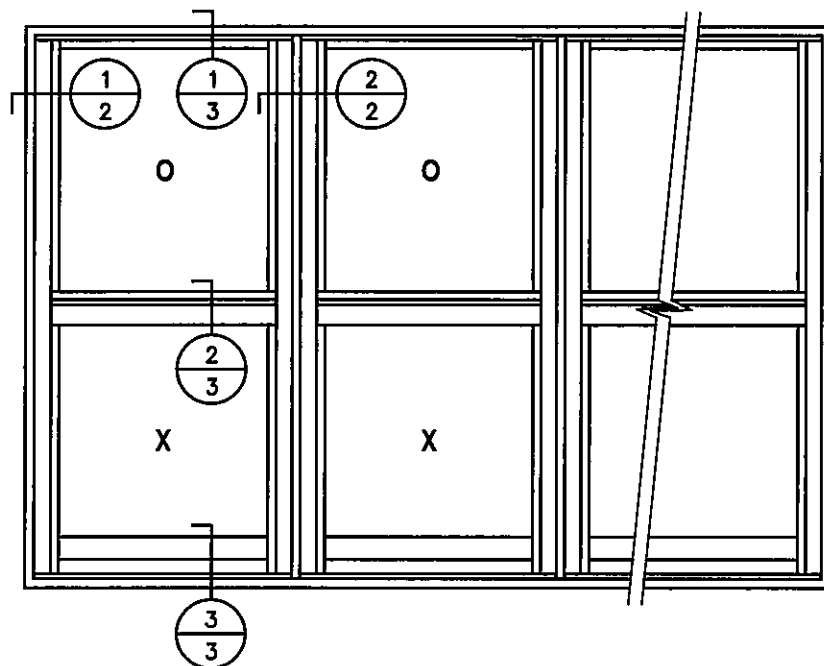


CONFIGURATION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
SINGLE UNIT	36.00" x 72.00"	30.38" x 30.88"	G1	+ 65.0	- 65.0
MULLED UNIT	36.00" x 72.00"	30.38" x 30.88"	G1	+ 65.0	- 65.0

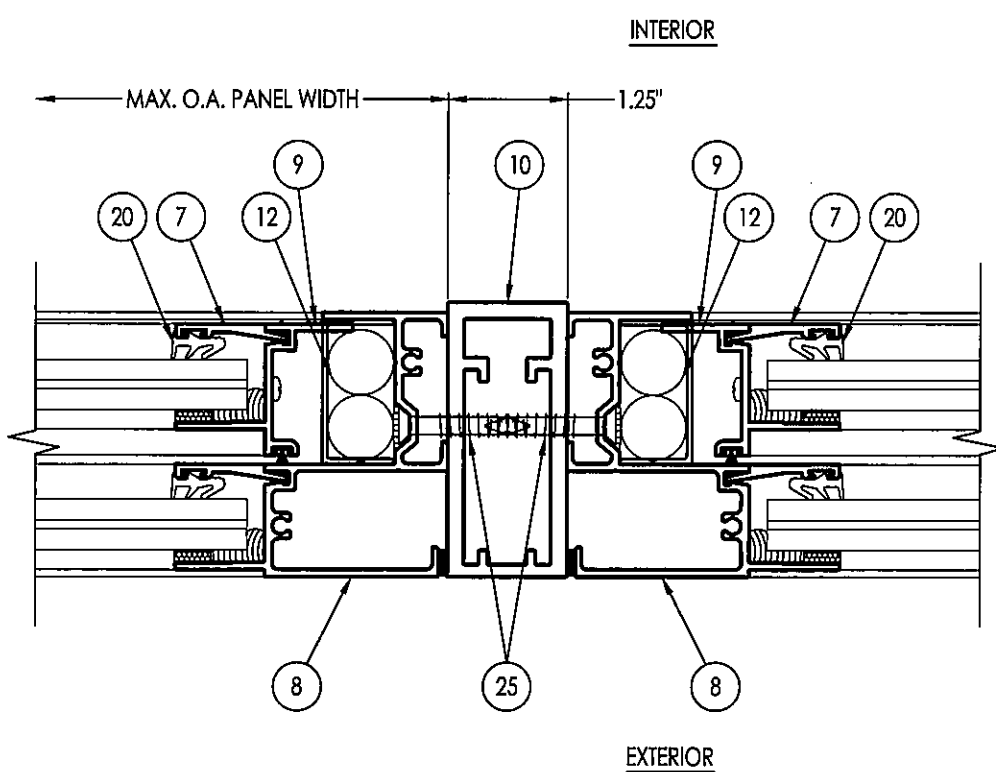
5508 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



<u>PRODUCT:</u>					
SUN METALS 275 SINGLE HUNG WINDOW					
<u>PART OR ASSEMBLY:</u> TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES					
NO	DATE	DESCRIPTION	JCB	FBC	BY
1	9/21/20	UPDATE TO 7TH ED. (2020)			
DATE: 08/24/18					
SCALE: NA					
DWG. BY: CO					
CHK BY: ECV					
DRAWING NO.: FL-3504.9					
SHEET:	1	OF	5		



1 HORIZONTAL CROSS SECTION
2



2 HORIZONTAL CROSS SECTION
2

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

SUN METALS

PRODUCT: SUN METALS 275 SINGLE HUNG WINDOW		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE	DESCRIPTION	BY
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
REVISIONS			

DATE: 08/24/18

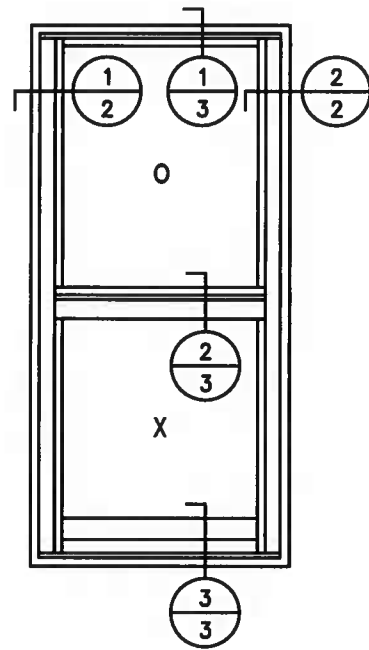
SCALE: NA

DWG. BY: CO

CHK BY: ECV

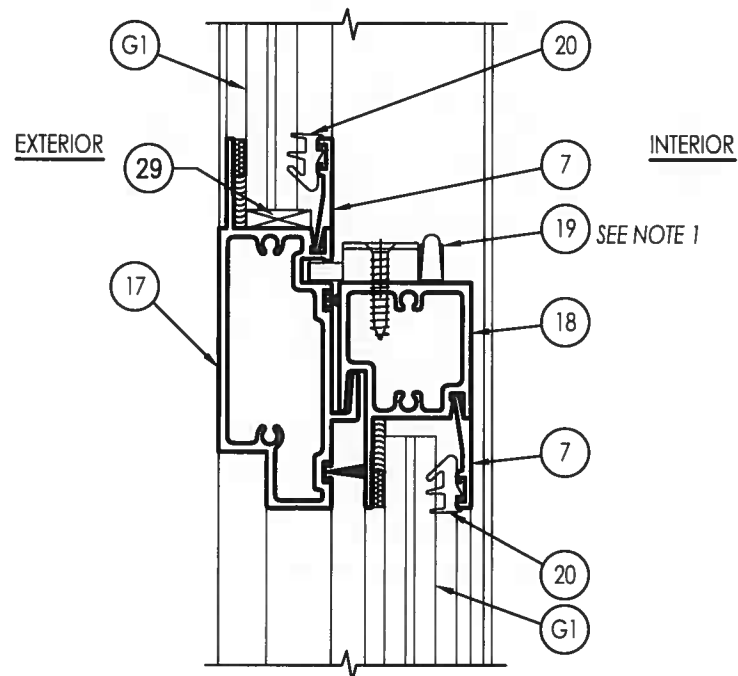
DRAWING NO.:
FL-3504.9

SHEET: **2** OF **5**

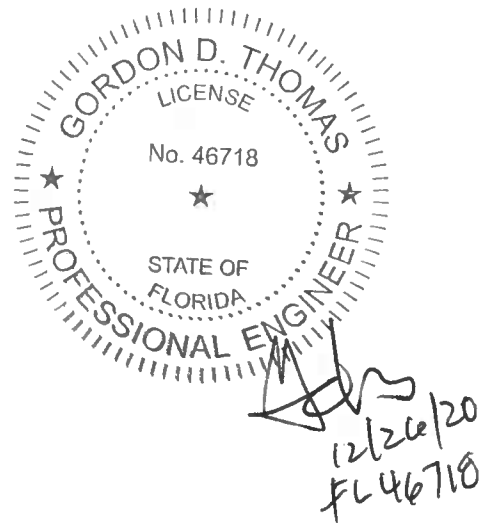


NOTE:

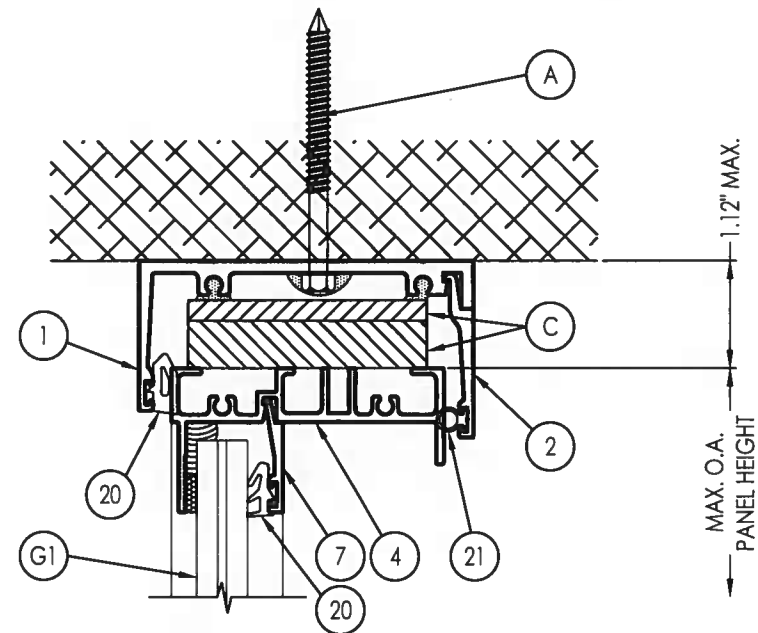
1. SASH LOCKS (2) LOCATED 6" FROM EACH END OF SASH, ATTACH WITH (2) #8 x 3/4" SELF-TAPPING SMS.
2. RECEPTOR FRAME ATTACHED AT EACH CORNER WITH (2) ITEM #27.
3. WINDOW FRAME ATTACHED AT EACH CORNER WITH (2) ITEM #28.



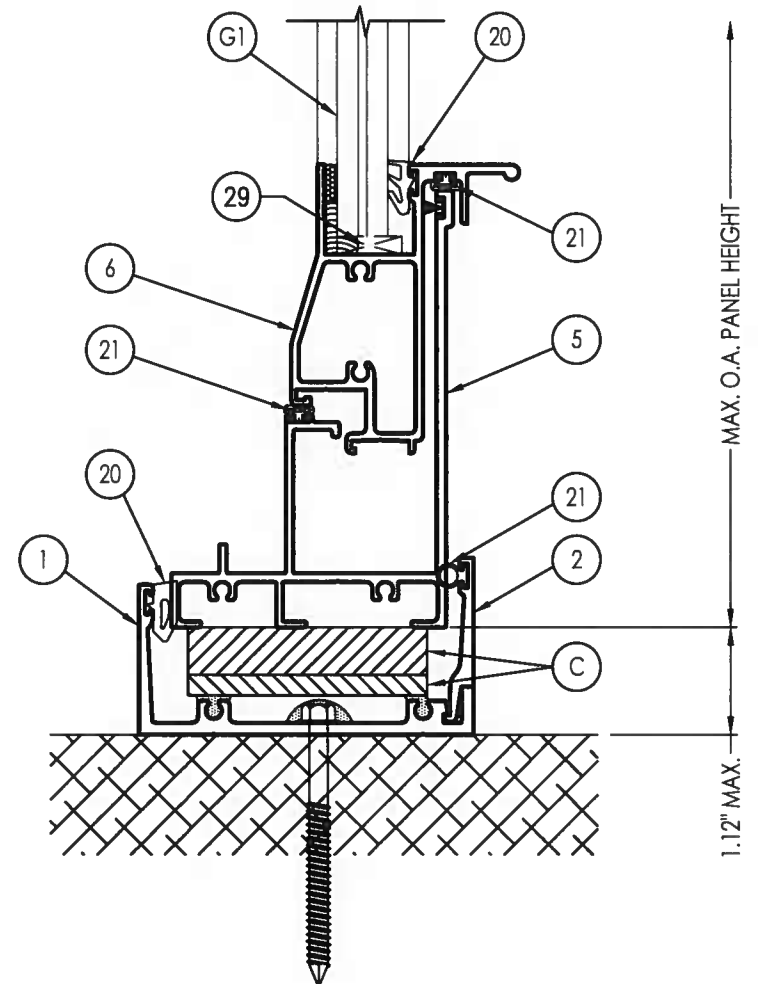
2
3 VERTICAL CROSS SECTION



EXTERIOR



1
3 VERTICAL CROSS SECTION



3
3 VERTICAL CROSS SECTION

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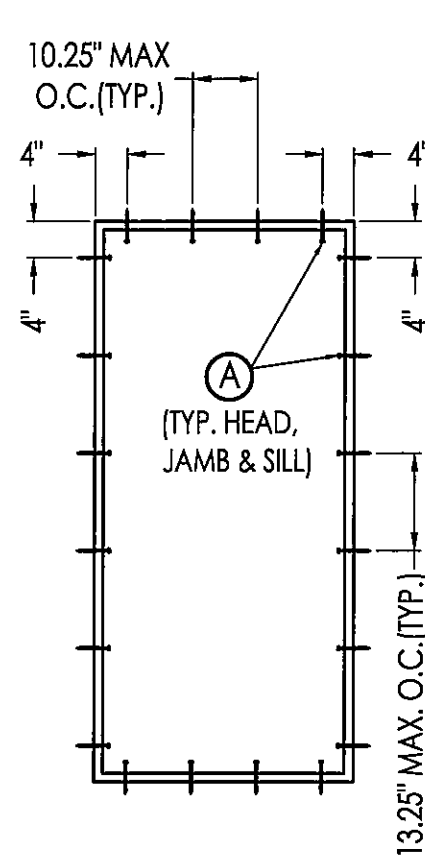


PRODUCT:
SUN METALS
275 SINGLE HUNG WINDOW

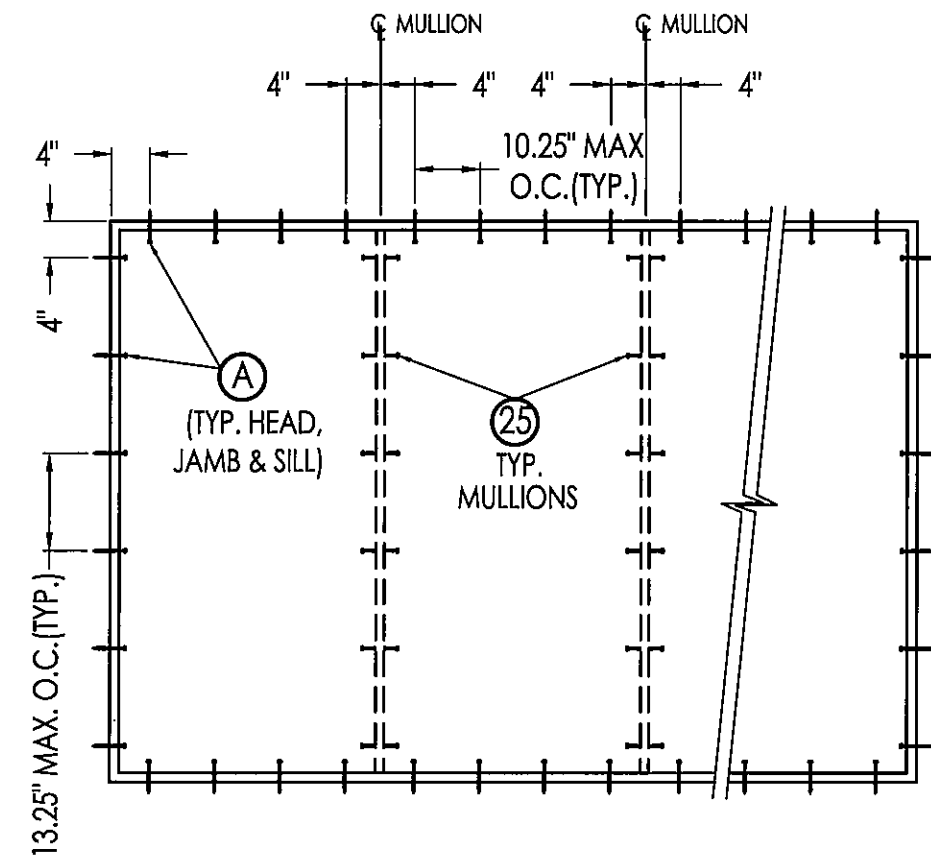
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB

DATE: 08/24/18
SCALE: NA
DWG. BY: CO
CHK BY: ECV
DRAWING NO.:
FL-3504.9
SHEET: 3 OF 5



RECEPTOR® FRAME ANCHORING
SINGLE UNIT



RECEPTOR® FRAME ANCHORING
MULLED UNIT

APPROVED ANCHOR SCHEDULE		
Ⓐ ANCHOR	DESCRIPTION	MANUFACTURER
#24 WOOD SCREW	MAIN MEMBER SG = .55 MIN., EDGE DISTANCE = 1.5" MIN., EMBEDMENT = 2.375" MIN., CL = 2" MIN.	N/A
1/4" CONCRETE SCREW	CONCRETE = 2,899 PSI MIN, CONFORMING TO ACI 301, EDGE DISTANCE = 2.5" MIN., EMBEDMENT = 1.25" MIN., CL = 3.0" MIN.	ITW BUILDEX
1/4" SHEET METAL SCREW	SUBSTRATE = 16 GA. STEEL MIN., ASTM A36, EDGE DISTANCE = 1" MIN., EMBEDMENT = 3 THREADS PROTRUDING MIN, CL = 1" MIN.	HILTI KWIK-PRO

GORDON D. THOMAS
LICENSE
No. 46718
STATE OF FLORIDA
PROFESSIONAL ENGINEER
[Signature]
12/19/20
FL 46718

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

PRODUCT:		SUN METALS	
		275 SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		FRAME ANCHORING	
DATE	DESCRIPTION	BY	REVISIONS
9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB	
1			

DATE: 08/24/18

SCALE: NA

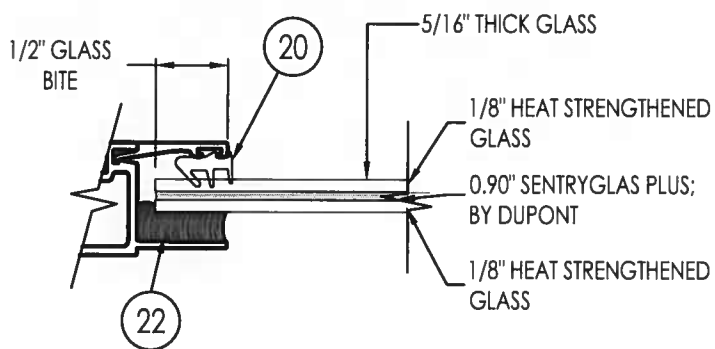
DWG. BY: CO

CHK BY: ECV

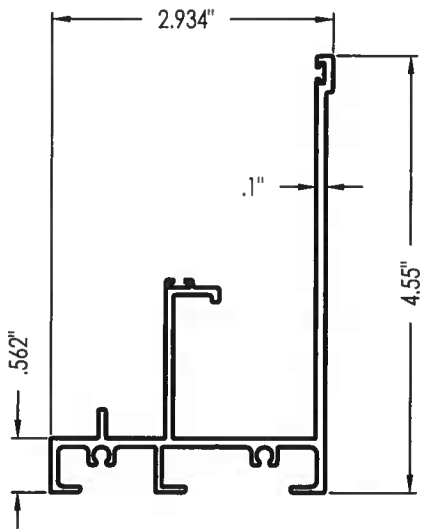
DRAWING NO.: FL-3504.9

SHEET: **4** OF **5**

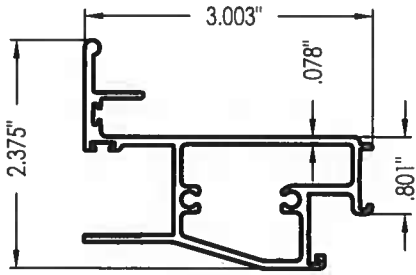
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	ANCHOR—SEE ANCHOR ELEVATION SHEET	-
C	SHIM SPACE	-
D	1/4" X 2-3/4" HH CONCRETE SCREW	STEEL
1	RECEPTOR FRAME (#SUN 279)	6063-T6 ALUM
2	RECEPTOR BEAD (#SUN 278)	6063-T6 ALUM
3	FRAME (#SUN 251)	6063-T6 ALUM
4	HUNG WINDOW FRAME (#SUN 271)	6063-T6 ALUM
5	HUNG WINDOW SILL (#SUN 273)	6063-T6 ALUM
6	SASH BOTOM RAIL (#SUN 257)	6063-T6 ALUM
7	GLAZING BEAD (#SUN 258)	6063-T6 ALUM
8	JAMB (#SUN 254)	6063-T6 ALUM
9	SASH JAMB (#SUN 255)	6063-T6 ALUM
10	MULLION (#SUN 275)	6063-T6 ALUM
12	SASH STOP (#SUN 261)	6063-T6 ALUM
17	FIXED MEETING RAIL (#SUN 252)	6063-T6 ALUM
18	SASH TOP RAIL (#SUN 256)	6063-T6 ALUM
19	SASH WEDGE LOCK	ZAMAK
20	GLAZING WEDGE 70 DURO. EPDM (TR-12912)	EPDM
21	EXTRUDED 60 DURO. EPDM BULB GASKET (TR13637E)	EPDM
22	STRUCTURAL SILICONE (TREMCO TREMSIL 600)	SILICONE
25	1/4" X 1" PFH SCREW	STEEL
26	1/4" X 1-1/4" HWH SHEET METAL SCREW	STEEL
27	#10 X 1-1/4" SMS	STEEL
28	#10 X 2" SMS	STEEL
29	SETTING BLOCK (85±5 DUROMETER)	NEOPRENE



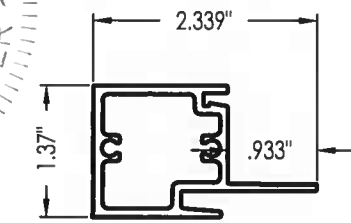
G1 GLAZING DETAIL



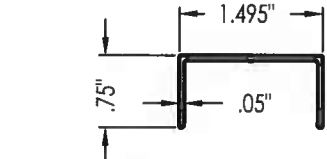
5 HUNG WINDOW SILL (SUN-273)



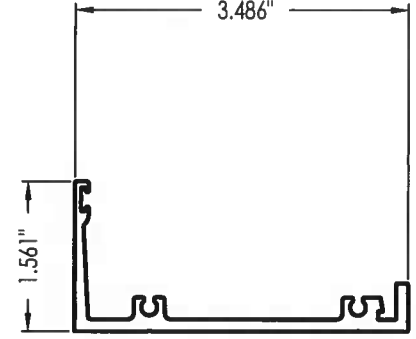
6 SASH BOTTOM RAIL (SUN-257)



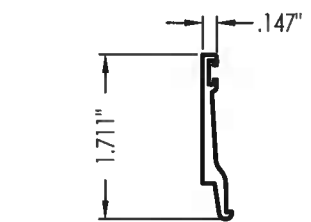
18 SASH TOP RAIL (SUN-256)



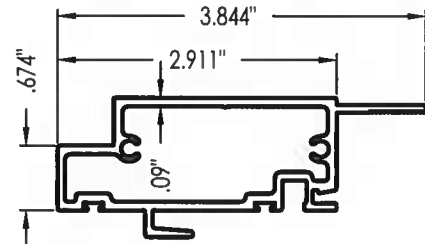
12 SASH STOP (SUN-261)



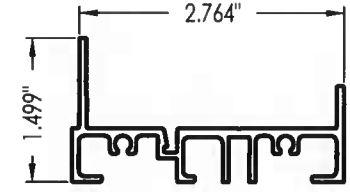
1 RECEPTOR FRAME (SUN-279)



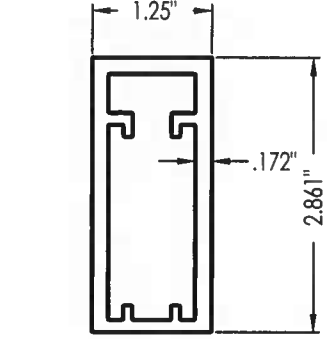
2 RECEPTOR BEAD (SUN-278)



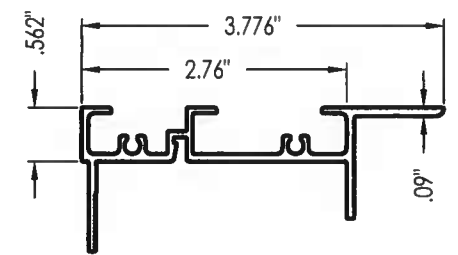
17 FIXED MEETING RAIL (SUN-252)



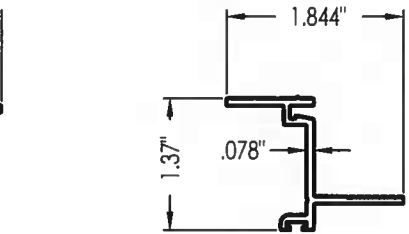
4 HUNG WINDOW FRAME (SUN-271)



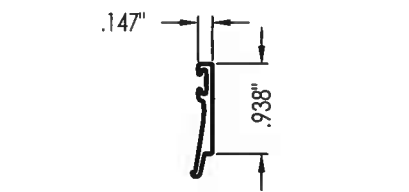
10 MULLION (SUN-275)



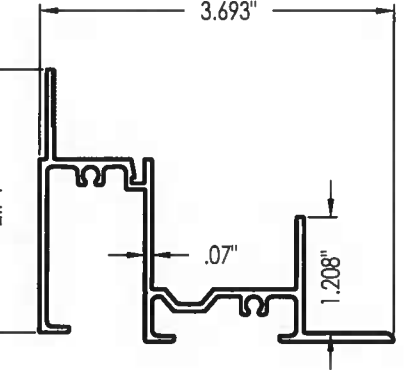
3 FRAME (SUN-251)



9 SASH JAMB (SUN-255)

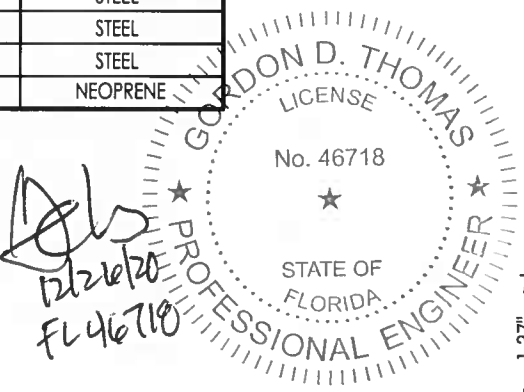


7 GLAZING BEAD (SUN-258)

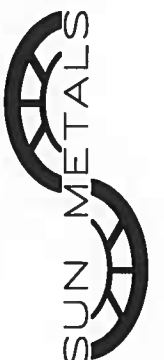


8 JAMB (SUN-254)

ALUMINUM EXTRUSIONS



5008 TAMPA WEST BLVD.
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PRODUCT:		SUN METALS		275 SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BOM & COMPONENTS			
				</	