

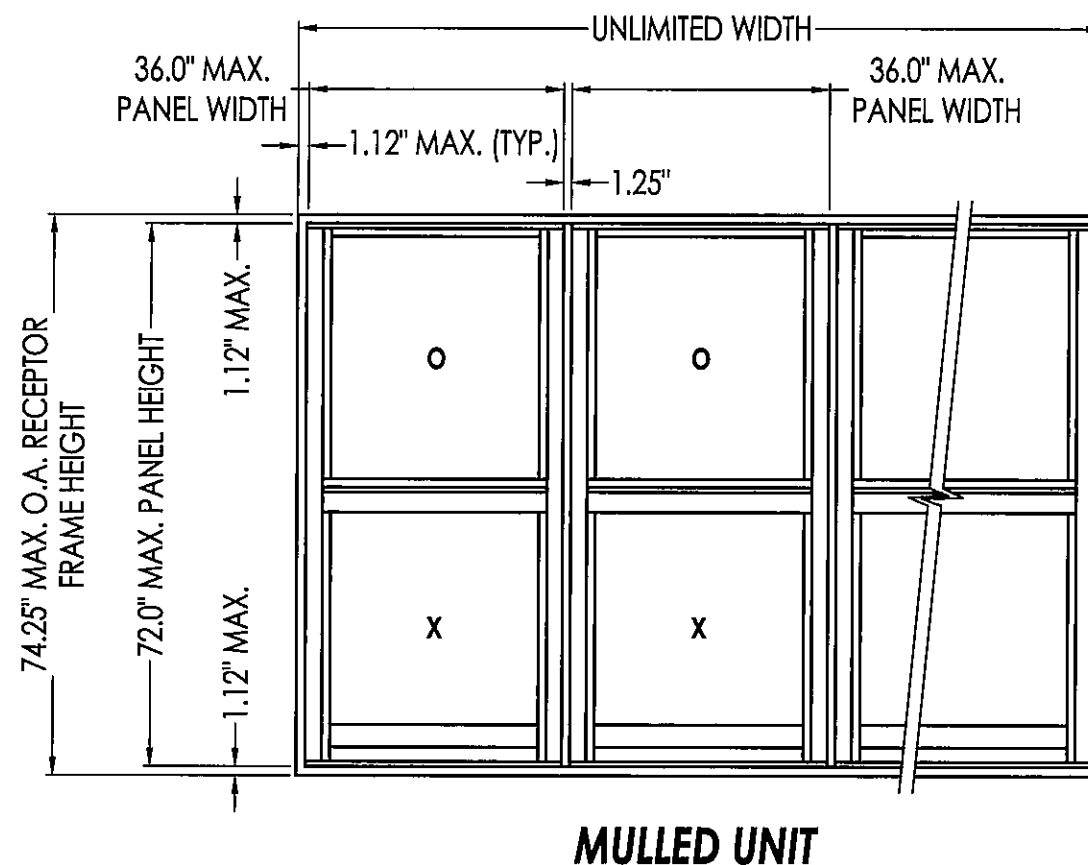
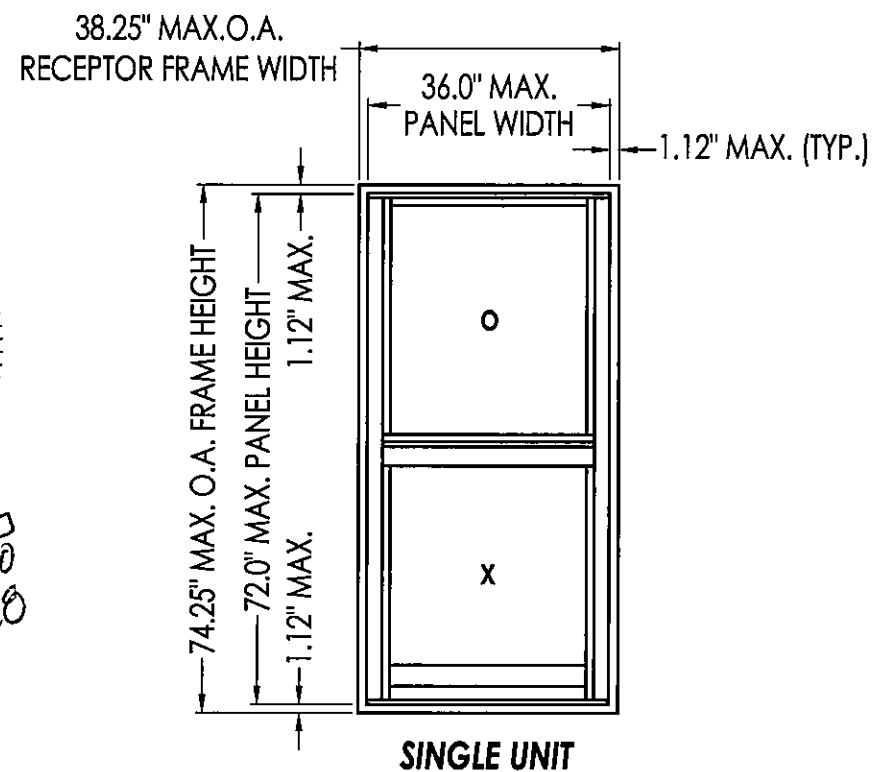
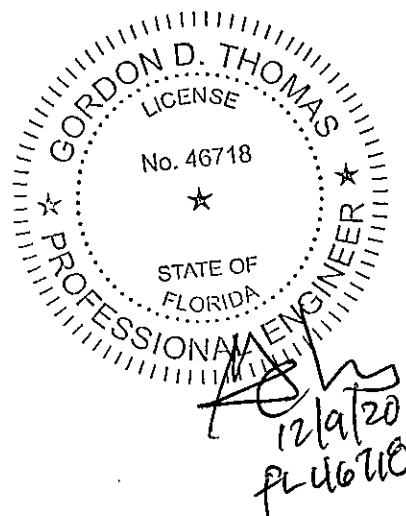


SERIES 275
SINGLE HUNG WINDOW
W/ RECEPTOR® SUB-FRAME
INSTALLATION SYSTEM
"SMALL MISSILE IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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 2020 FBC as a small missile impact resistant product and does not require an impact resistant covering. This product meets missile level "A" and includes Wind Zone 4 as defined in ASTM E 1996. 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licenced engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ".

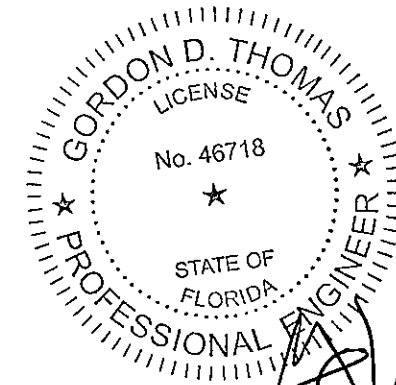
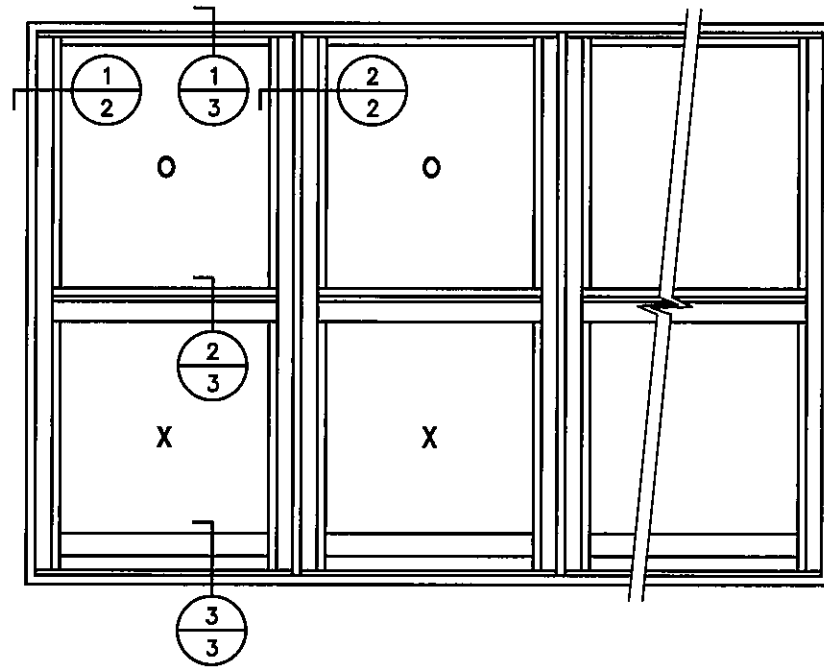
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross section
3	Vertical cross sections
4	Frame anchoring
5	Bill of materials, glazing detail & components



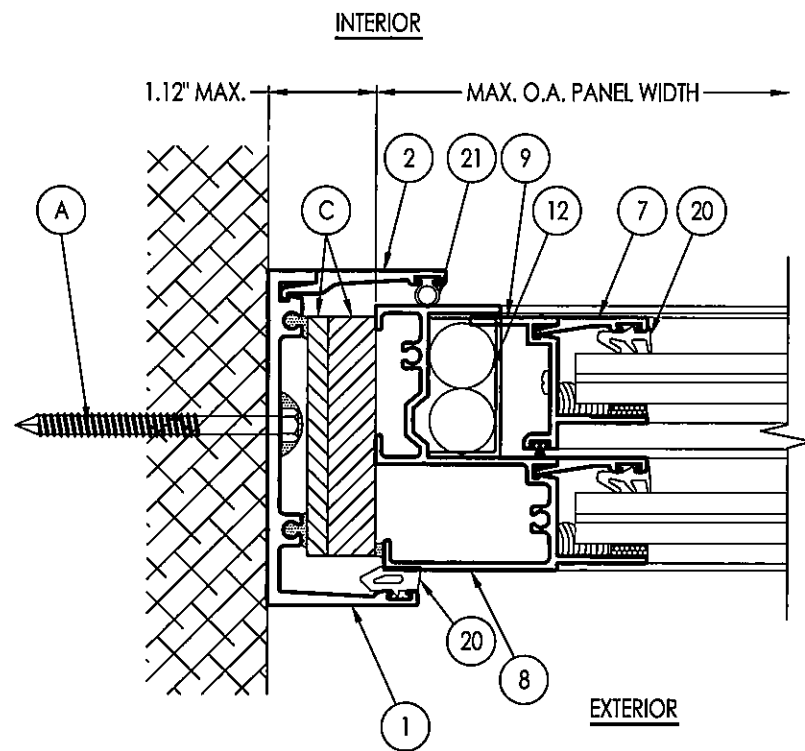
CONFIGURATION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PDF)	
				POSITIVE	NEGATIVE
SINGLE UNIT	36.00" x 72.00"	30.38" x 30.88"	G1	+ 65.0	- 65.0
MULLED UNIT	36.00" x 72.00"	30.38" x 30.88"	G1	+ 65.0	- 65.0

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

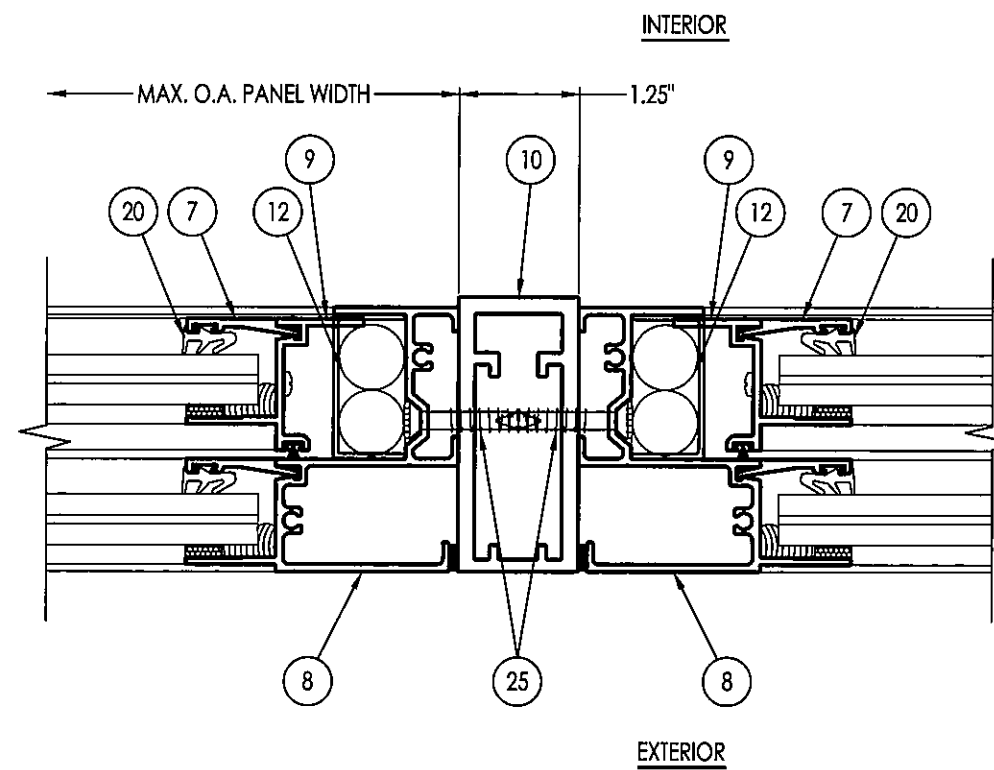
PRODUCT: SUN METALS 275 SINGLE HUNG WINDOW		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
NO	DATE	DESCRIPTION	BY
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
REVISIONS			
DATE: 08/24/18			
SCALE: NA			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-3504.10			
SHEET: 1 OF 5			



12/9/20
FL 46718



1 HORIZONTAL CROSS SECTION
2



2 HORIZONTAL CROSS SECTION
2

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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

DATE: 08/24/18

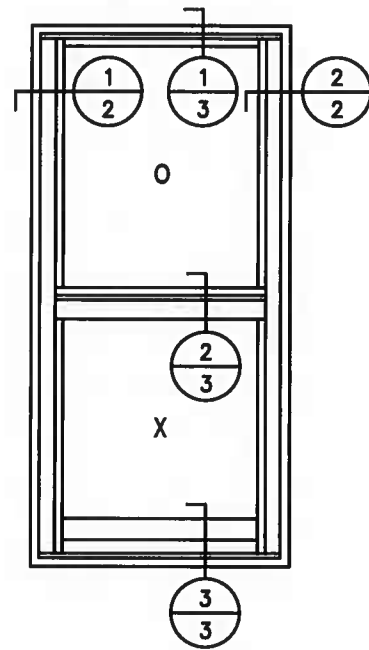
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DWG. BY: CO

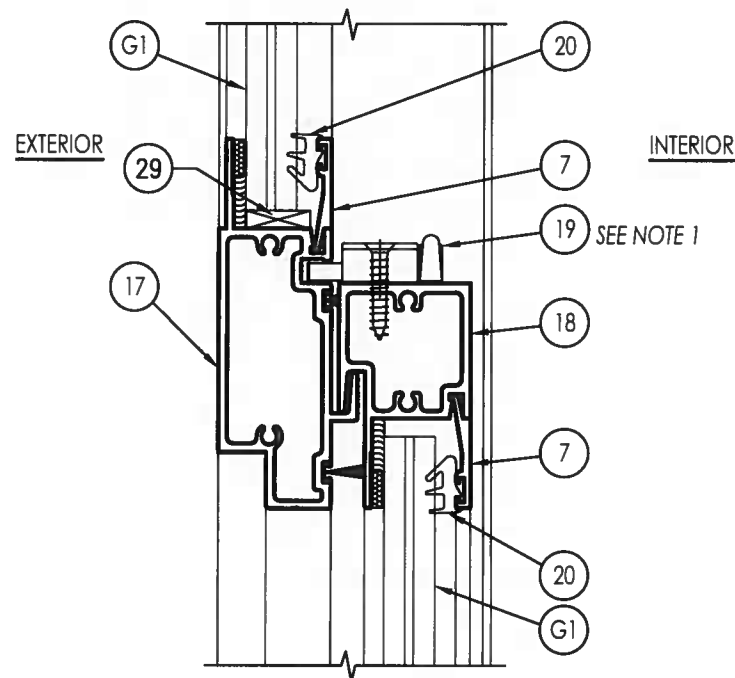
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DRAWING NO.:
FL-3504.10

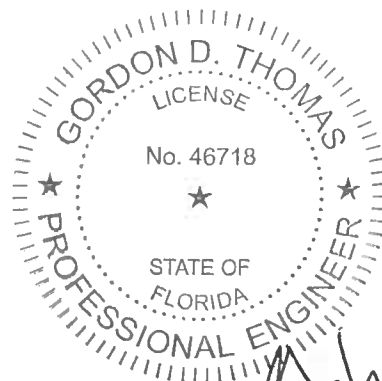
SHEET: 2 OF 5



- 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.

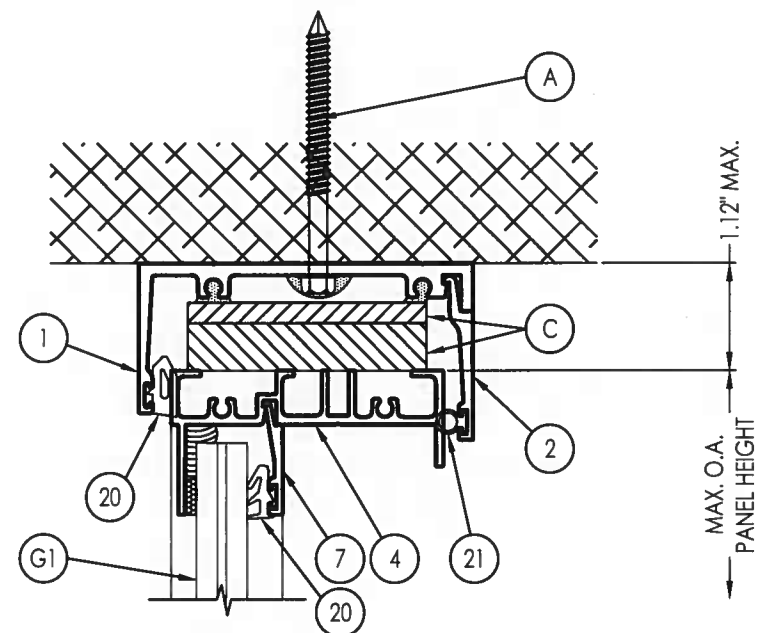


2
3 VERTICAL CROSS SECTION

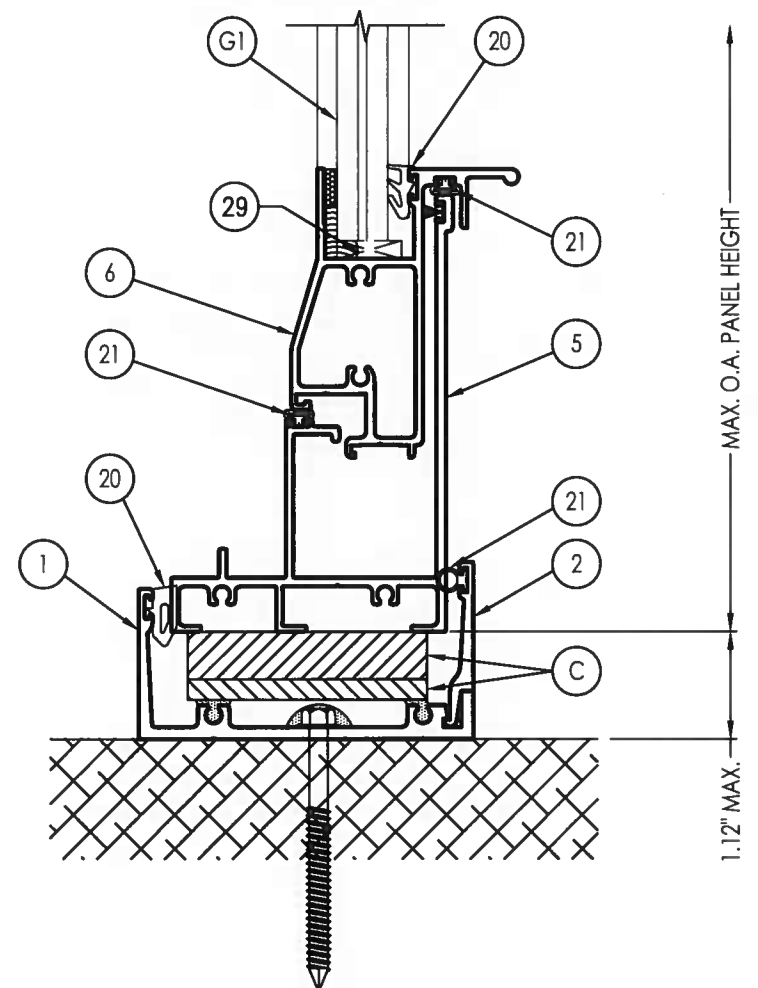


12/26/20
FL 46718

EXTERIOR



1
3 VERTICAL CROSS SECTION



3
3 VERTICAL CROSS SECTION

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SUN METALS

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

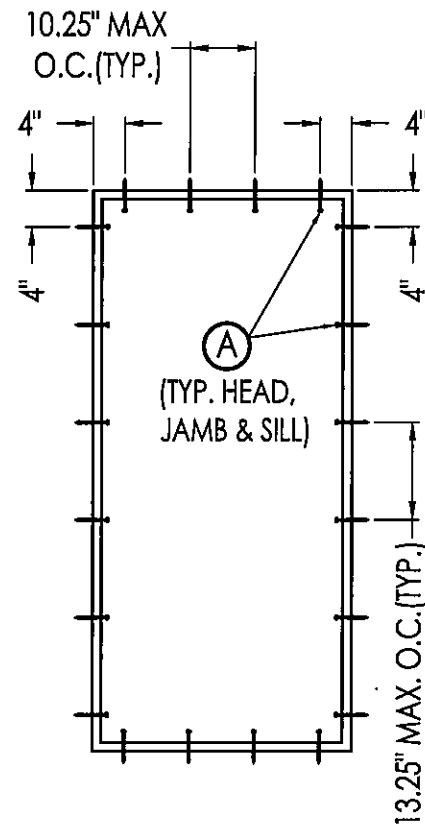
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DWG. BY: CO

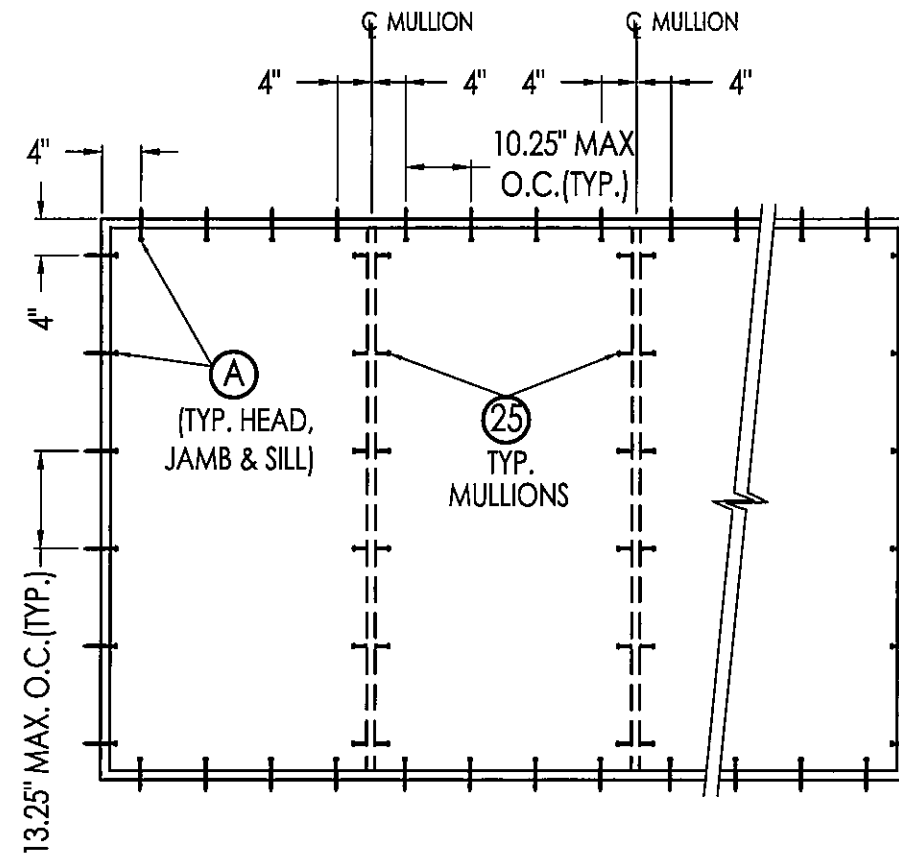
CHK BY: ECV

DRAWING NO.: FL-3504.10

SHEET: 3 OF 5

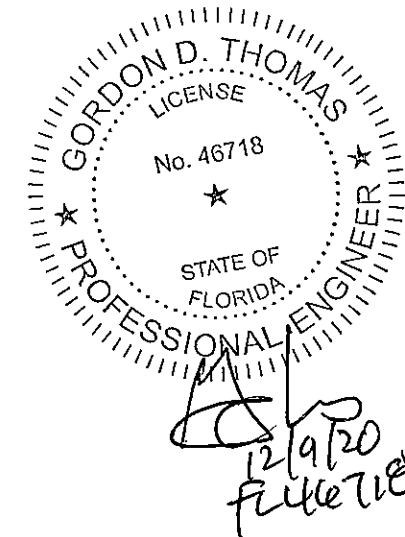


RECEPTOR® FRAME ANCHORING
SINGLE UNIT

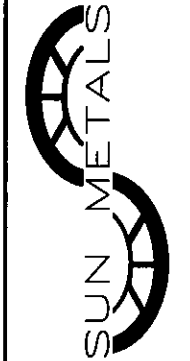


RECEPTOR® FRAME ANCHORING
MULLED UNIT

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

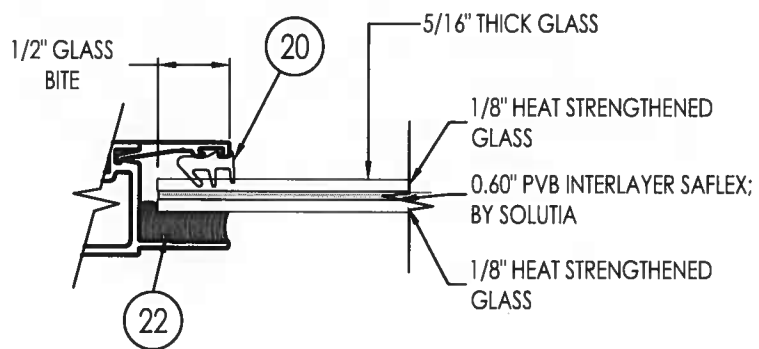


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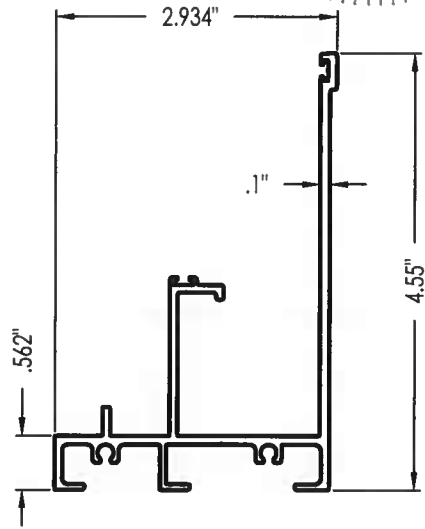


PRODUCT:		SUN METALS	
		275 SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		FRAME ANCHORING	
DATE	DESCRIPTION	NO	BY
9/21/20	UPDATE TO 7TH ED. (2020) FBC	1	JCB
REVISIONS			
DATE: 08/24/18			
SCALE: NA			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-3504.10			
SHEET: 4 OF 5			

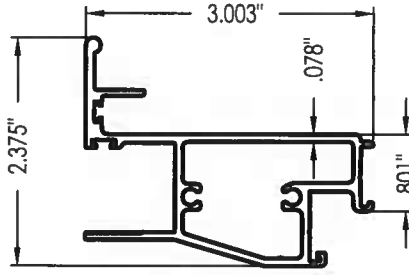
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	ANCHOR---SEE ANCHOR ELEVATION SHEET	-
C	SHIM SPACE	-
D	1/4" X 2-3/4" HH CONCRETE SCREW	STEEL
1	RECEPTOR FRAME (#SUN 279)	6063-T6 ALUM
2	RECEPTOR BEAD (#SUN 278)	6063-T6 ALUM
3	FRAME (#SUN 251)	6063-T6 ALUM
4	HUNG WINDOW FRAME (#SUN 271)	6063-T6 ALUM
5	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



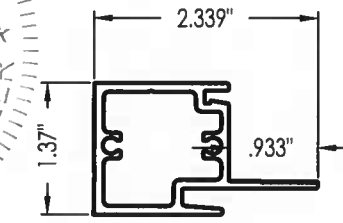
G1 GLAZING DETAIL



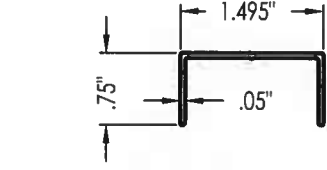
5 HUNG WINDOW SILL (SUN-273)



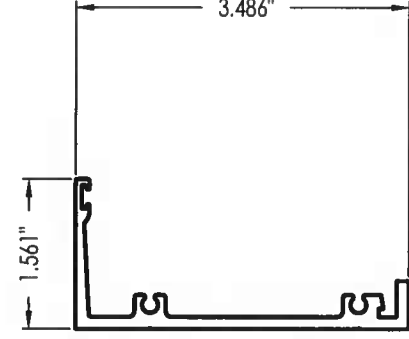
6 SASH BOTTOM RAIL (SUN-257)



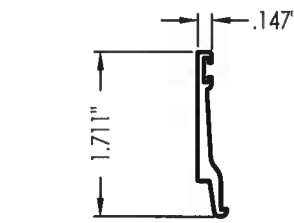
18 SASH TOP RAIL (SUN-256)



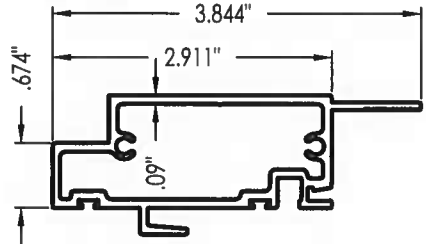
12 SASH STOP (SUN-261)



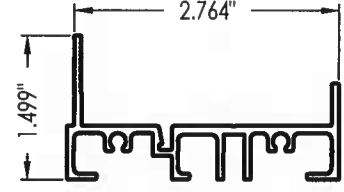
1 RECEPTOR FRAME (SUN-279)



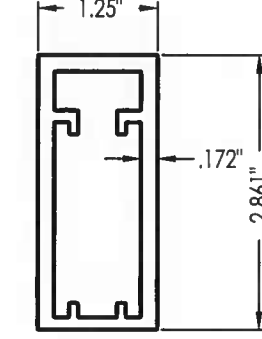
2 RECEPTOR BEAD (SUN-278)



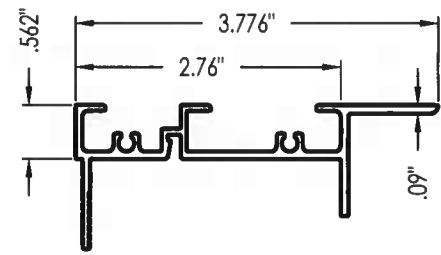
17 FIXED MEETING RAIL (SUN-252)



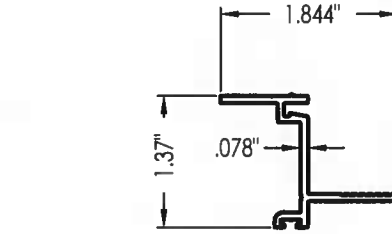
4 HUNG WINDOW FRAME (SUN-271)



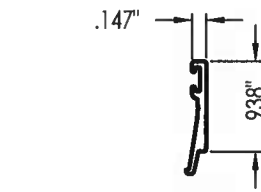
10 MULLION (SUN-275)



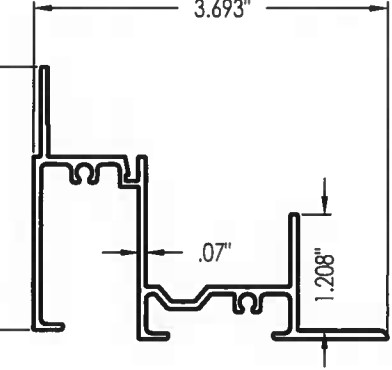
3 FRAME (SUN-251)



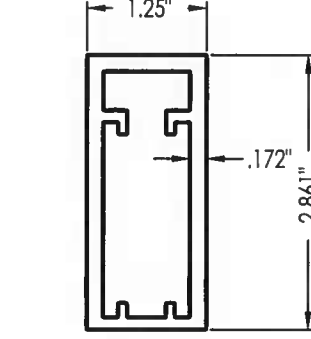
9 SASH JAMB (SUN-255)



7 GLAZING BEAD (SUN-258)

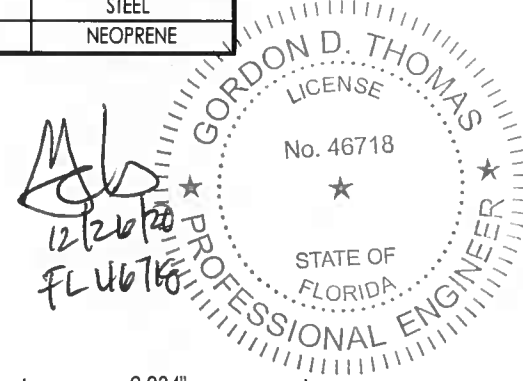


8 JAMB (SUN-254)



10 MULLION (SUN-275)

ALUMINUM EXTRUSIONS



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PRODUCT:

SUN METALS

275 SINGLE HUNG WINDOW

PART OR ASSEMBLY:

BOM & COMPONENTS

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

DATE: 08/24/18

SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-3504.10

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