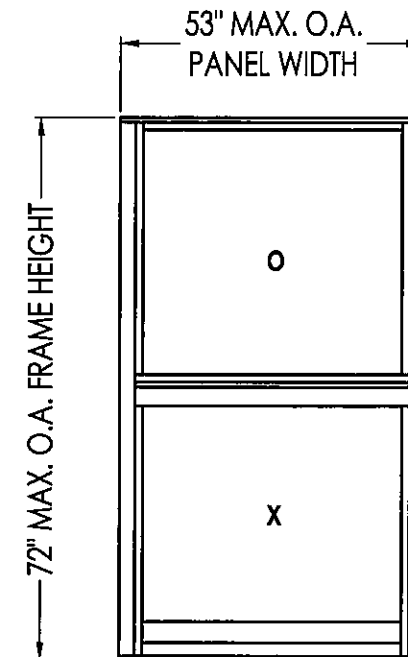
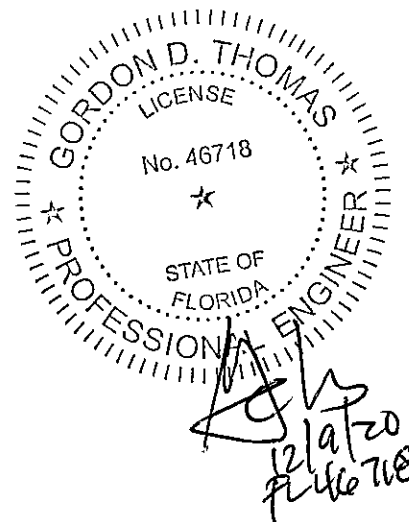
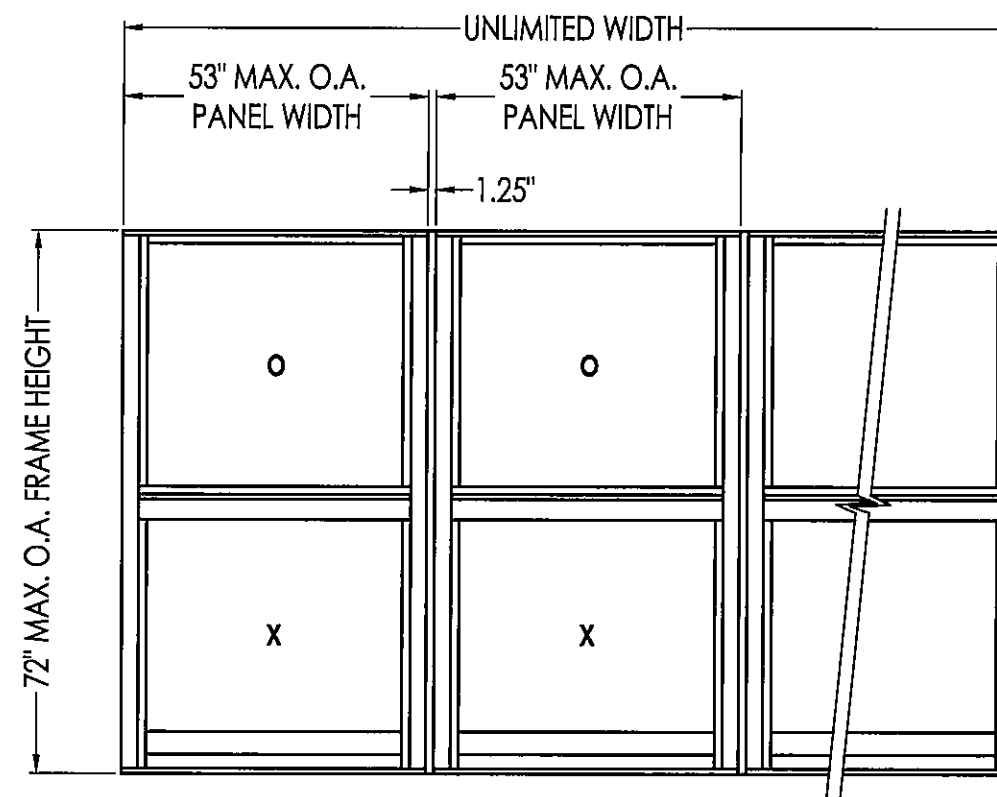




SERIES 400HW SINGLE HUNG WINDOW W/ THERML BREAK FRAME "SMALL MISSILE IMPACT"



SINGLE UNIT



MULLED UNIT

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding 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 areas 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 1609.1.2 of the Florida Building Code.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licenced engineer or registered architect.

TABLE OF CONTENTES	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures and 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	53.0" x 72.0"	47.5" x 32.0"	G1	+ 65.0	- 65.0
MULLED UNIT	53.0" x 72.0"	47.5" x 32.0"	G1	+ 65.0	- 65.0

5008 TAMPA WEST BLVD.
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PRODUCT:	SUN METALS		PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
	400 HW SINGLE HUNG WINDOW				
				DATE	NO.
				9/21/20	1
				UPDATE TO 7TH ED. (2020) FBC	JCB
				DESCRIPTION	BY
				REVISIONS	

DATE: 08/24/18

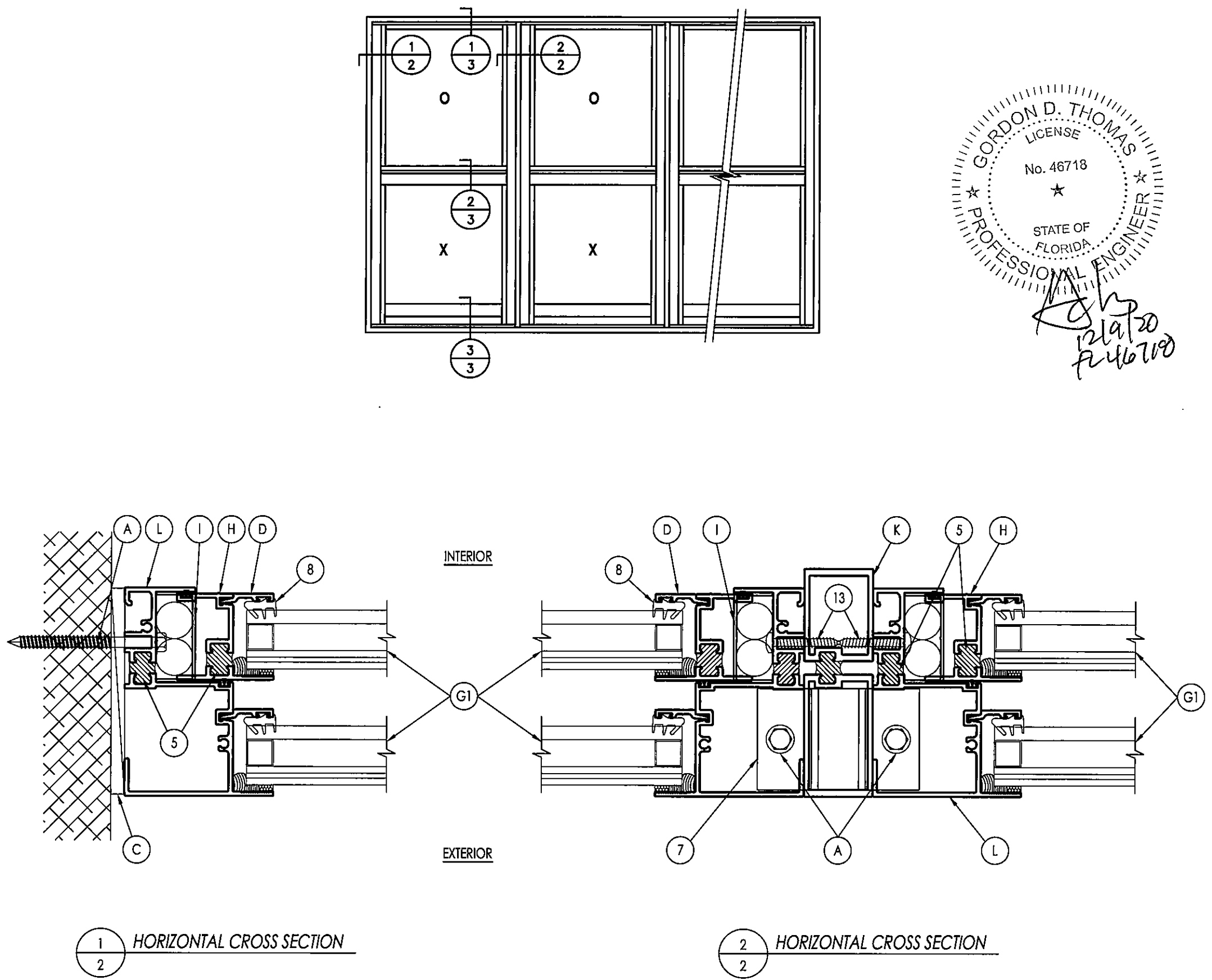
SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-3504.13

SHEET: 1 OF 5





5008 TAMPA WEST BLVD.
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PRODUCT:
SUN METALS
400 HW SINGLE HUNG WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

REVISIONS		DATE		DESCRIPTION		BY	
1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC	JCB			

DATE: 08/24/18

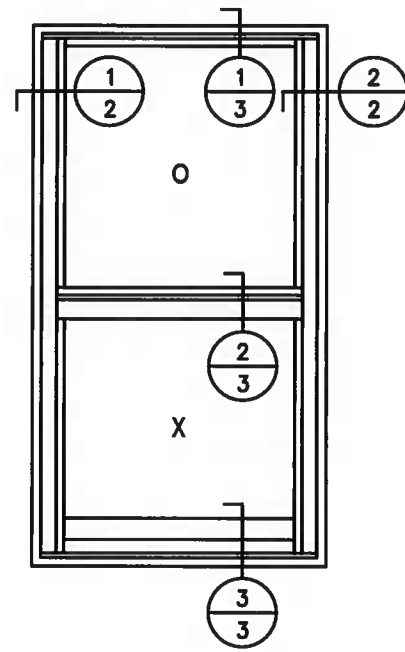
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DWG. BY: CO

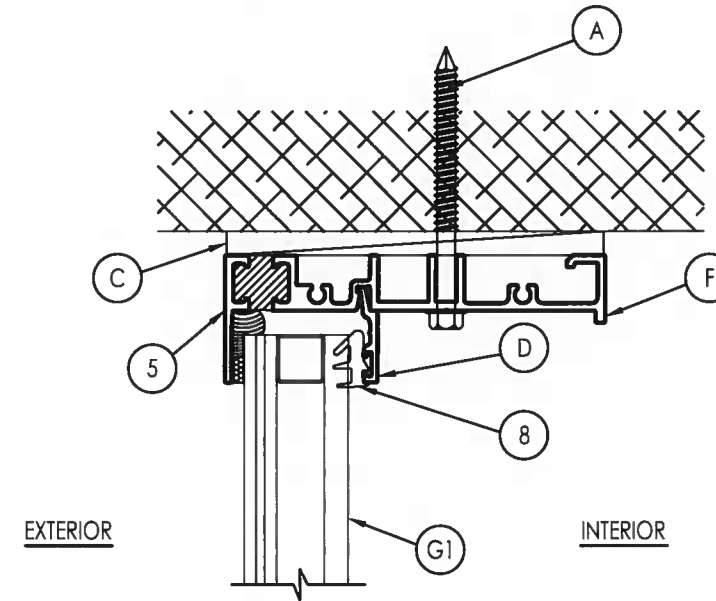
CHK BY: ECV

DRAWING NO.:
FL-3504.13

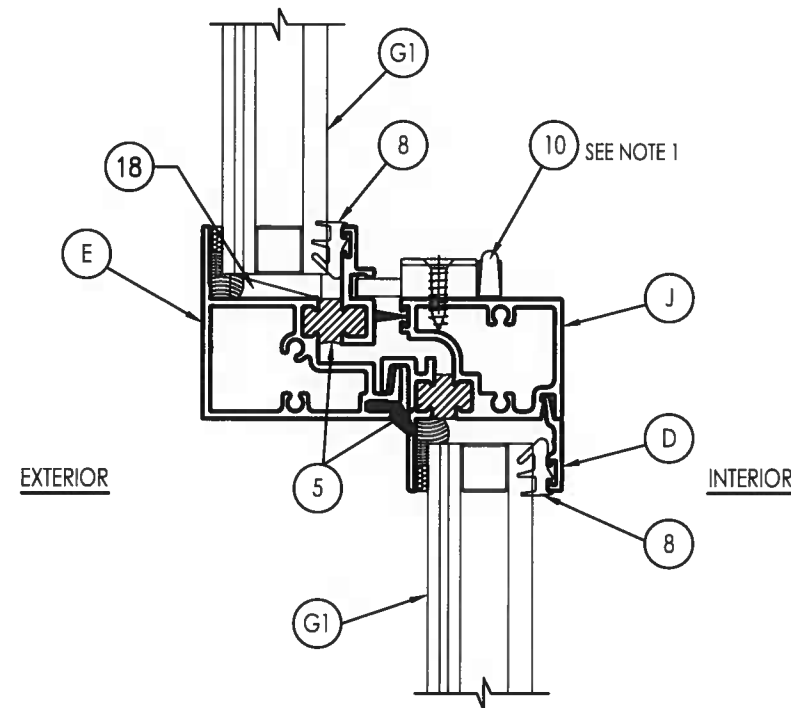
SHEET: **2** OF **5**



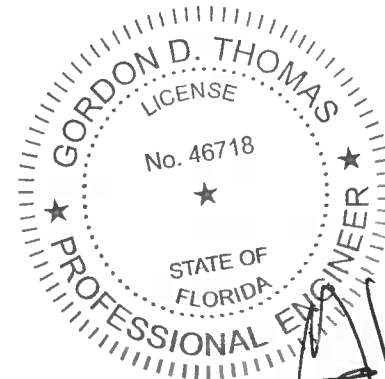
- NOTE:
1. SASH LOCKS (2) LOCATED 6" FROM EACH END OF SASH, ATTACH WITH (2) #8 x 3/4" SELF-TAPPING SMS.
 2. WINDOW FRAME ATTACHED AT EACH CORNER WITH (2) ITEM #17.



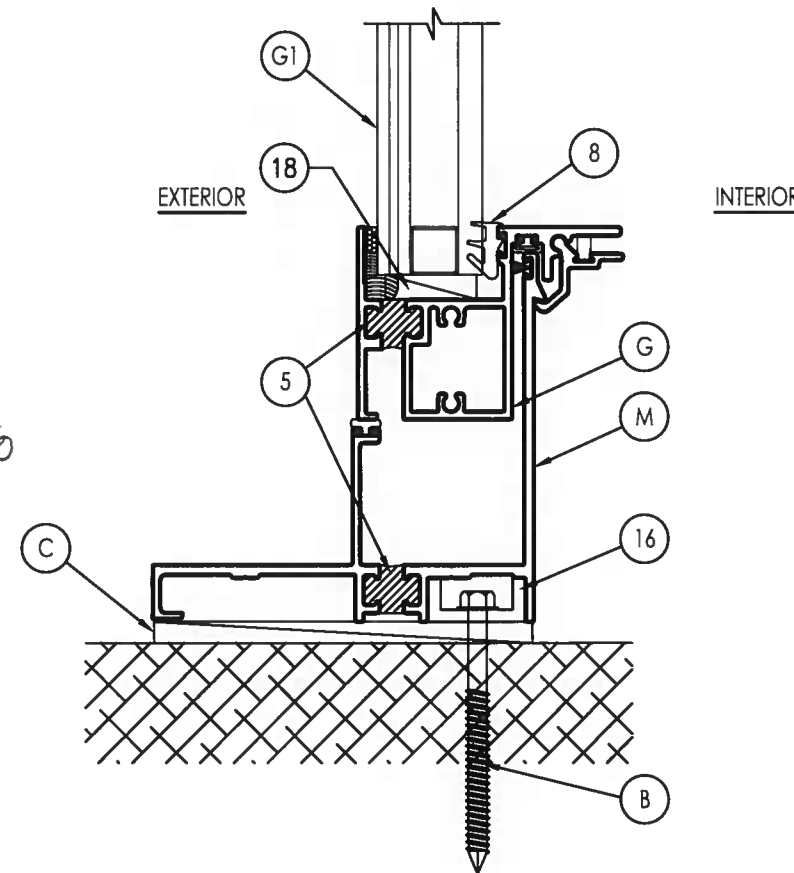
1
3 VERTICAL CROSS SECTION



2
3 VERTICAL CROSS SECTION



12/26/20
FL 46718



3
3 VERTICAL CROSS SECTION

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PRODUCT:
SUN METALS
400 HW 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

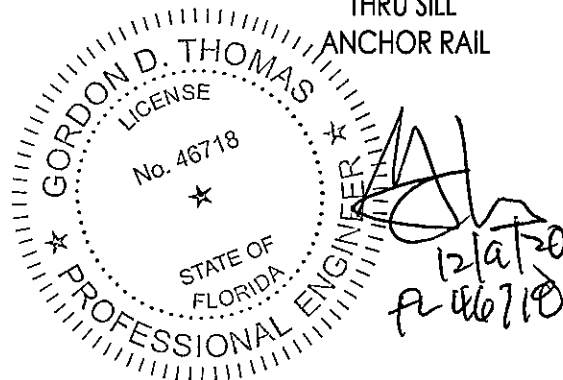
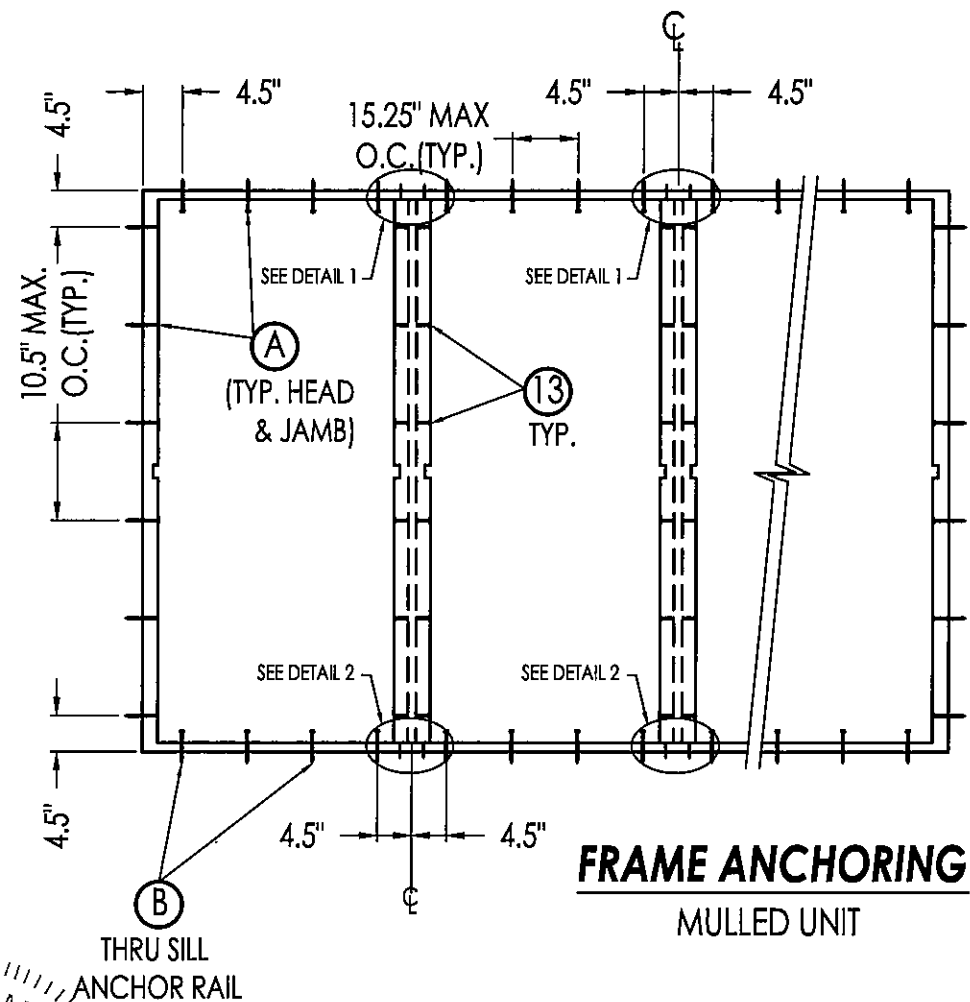
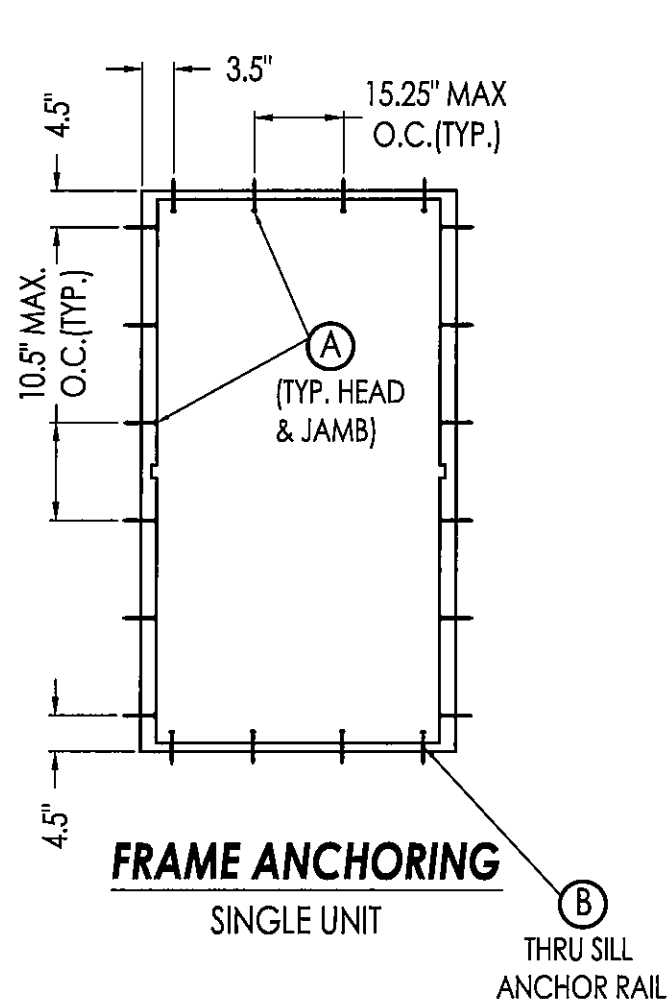
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DWG. BY: CO

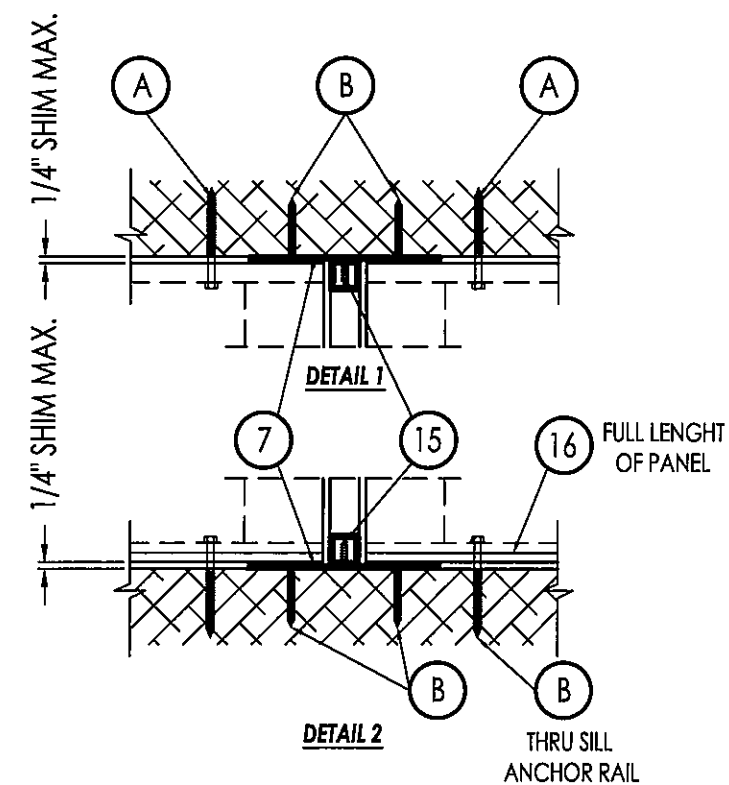
CHK BY: ECV

DRAWING NO.:
FL-3504.13

SHEET: 3 OF 5



APPROVED ANCHOR SCHEDULE			
ANCHOR	DESCRIPTION		MANUFACTURER
(A) (B)	#24 WOOD SCREW	MAIN MEMBER SG = .55 MIN., EDGE DISTANCE = 1.5" MIN., EMBEDMENT = 2.375" MIN., CL = 2" MIN.	N/A
(A) (B)	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
(A)	5/16" CONCRETE SCREW	CONCRETE = 2,899 PSI MIN, CONFORMING TO ACI 301, EDGE DISTANCE = 3.125" MIN., EMBEDMENT = 1.25" MIN., CL = 3.75" MIN.	ITW BUILDEX
(B)	1/4" CONCRETE SCREW	CONCRETE = 3,192 PSI MIN, CONFORMING TO ACI 301, EDGE DISTANCE = 2.5" MIN., EMBEDMENT = 1.25" MIN., CL = 2.75" MIN.	ITW BUILDEX



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PRODUCT: SUN METALS
400 HW SINGLE HUNG WINDOW

PART OR ASSEMBLY: FRAME ANCHORING

REVISIONS		DATE	DESCRIPTION	BY
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB	BY

DATE: 08/24/18

SCALE: NA

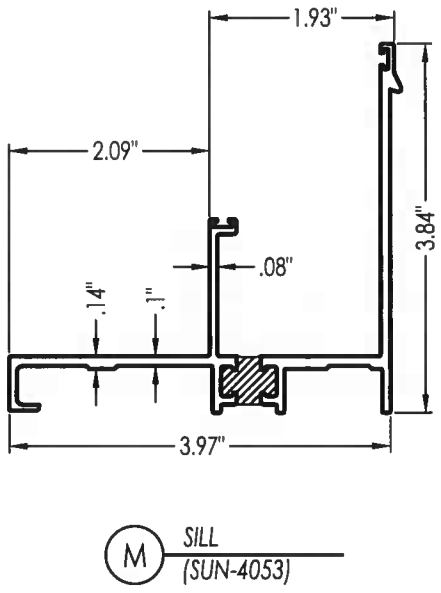
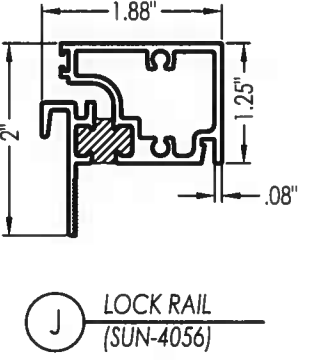
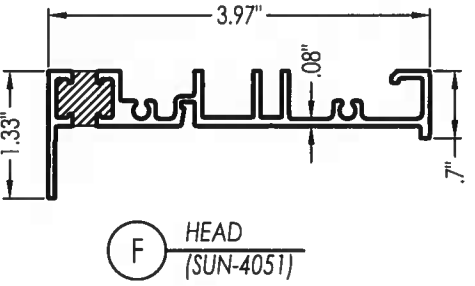
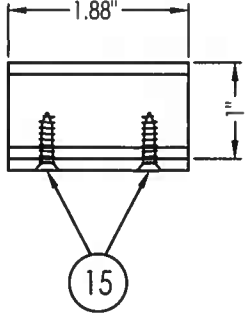
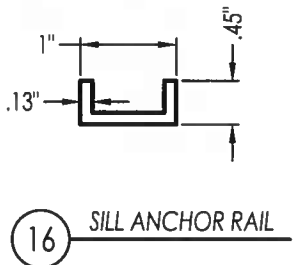
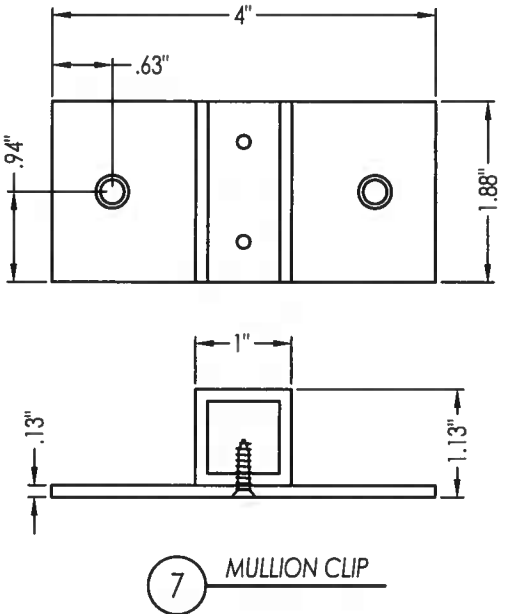
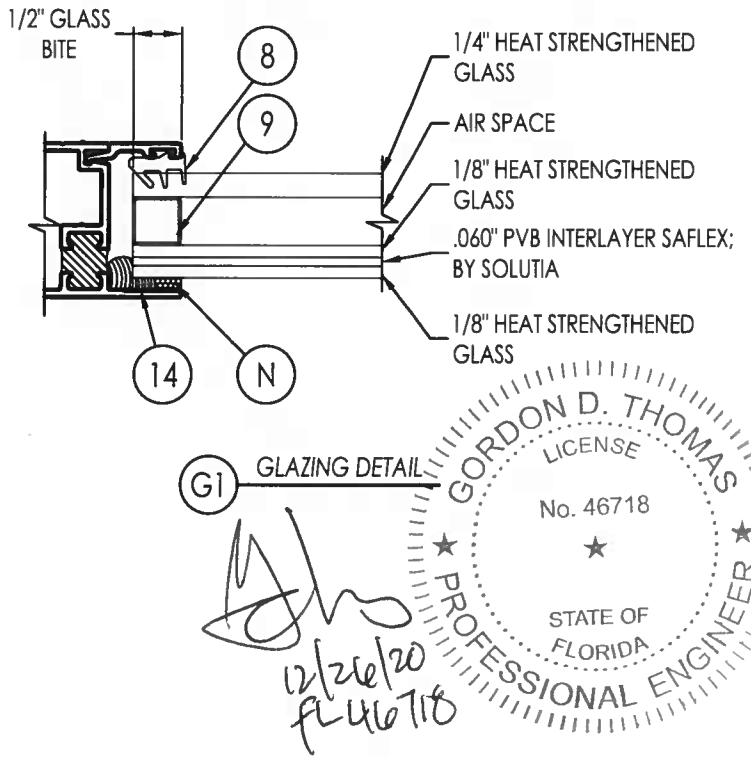
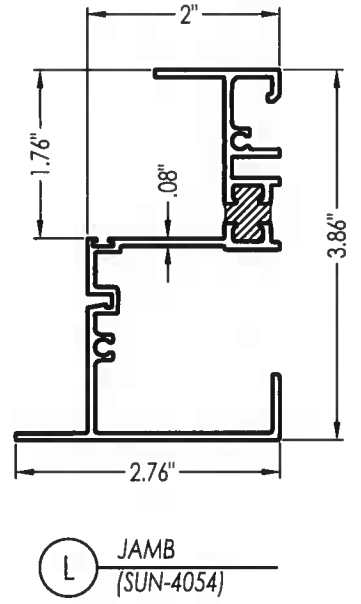
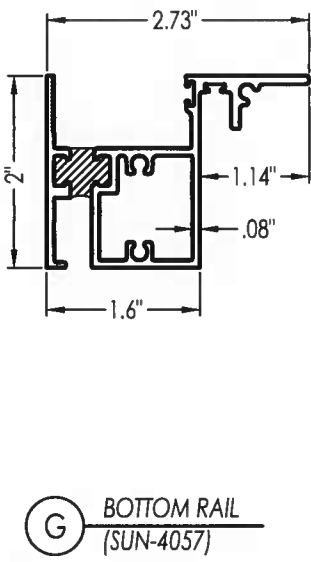
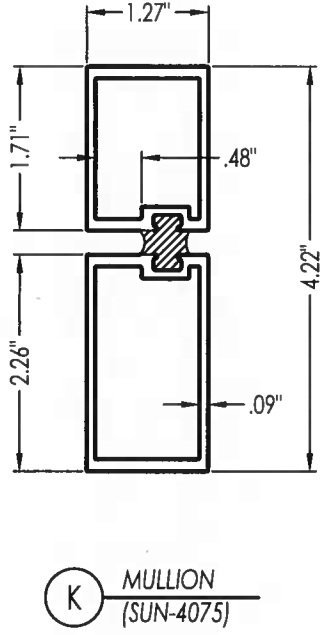
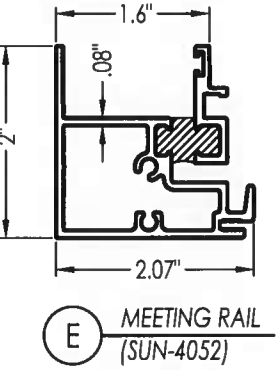
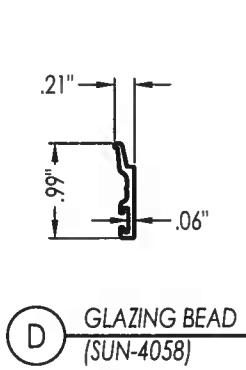
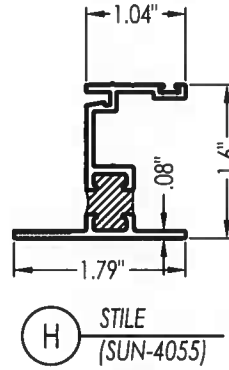
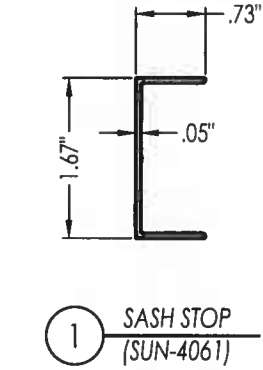
DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-3504.13

SHEET: 4 OF 5

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	ANCHOR—SEE ANCHOR ELEVATION SHEET	STEEL
B	ANCHOR—SEE ANCHOR ELEVATION SHEET	STEEL
C	1/4" MAX. SHIM SPACE	-
D	GLAZING BEAD (SUN-4058)	6063-T6 ALUM
E	MEETING RAIL (SUN-4052)	6063-T6 ALUM
F	HEAD (SUN-4051)	6063-T6 ALUM
G	BOTTOM RAIL (SUN-4057)	6063-T6 ALUM
H	STILE (SUN-4055)	6063-T6 ALUM
I	SASH STOP (SUN-4061)	6063-T6 ALUM
K	MULLION (SUN-4075)	6063-T6 ALUM
L	JAMB (SUN-4051)	6063-T6 ALUM
M	SILL (SUN-4053)	6063-T6 ALUM
N	EXTERIOR GLAZING TAPE (0.125" x 0.5")	-
5	THERMAL BREAK	POLYURETHANE
7	MULLION CLIP	ALUM
8	INTERIOR GLAZING SPONGE	FOAM
9	1/2" GLASS SPACER	ALUM
10	SASH LOCK (#207 SA)	ZAMAK
13	#10 X 1-1/4" PPH MS	STEEL
14	STRUCTURAL SILICONE (TREMCO TREMSIL 600)	SILICONE
15	#14 X 3/4" SMS	STEEL
16	SILL ANCHOR RAIL	6063-T6 ALUM
17	#10 X 1-1/4" SMS	STEEL
18	SETTING BLOCK (85±5 DUROMETER)	NEOPRENE



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SUN METALS

PRODUCT:		SUN METALS 400 HW SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BOM & COMPONENTS	
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-3504.13

SHEET: 5 OF 5