

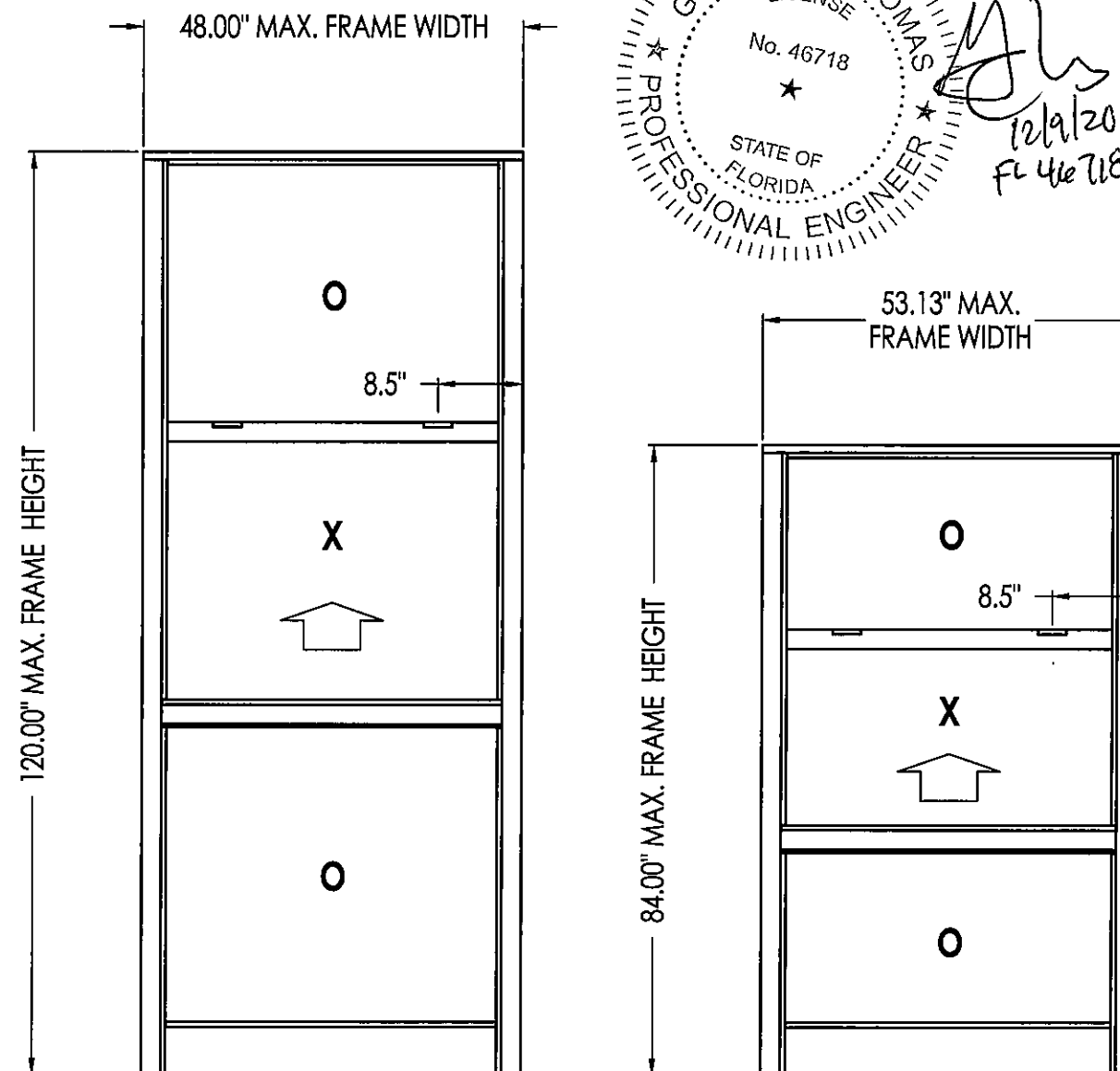


SERIES 275
"SINGLE HUNG WINDOW
3-LITE
"SMALL MISSILE IMPACT"

GENERAL NOTES

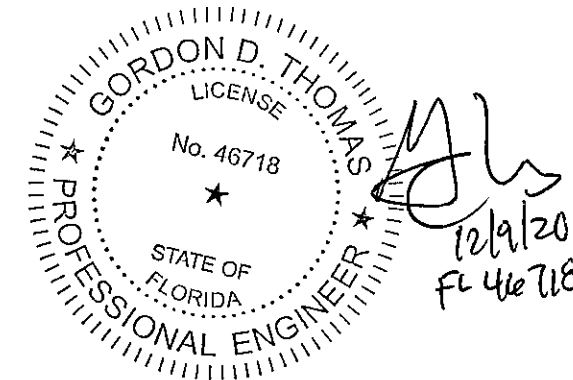
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 licensed 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 & vertical cross sections
3	Bill of materials, glazing detail & components
4	Anchoring
5	Anchoring



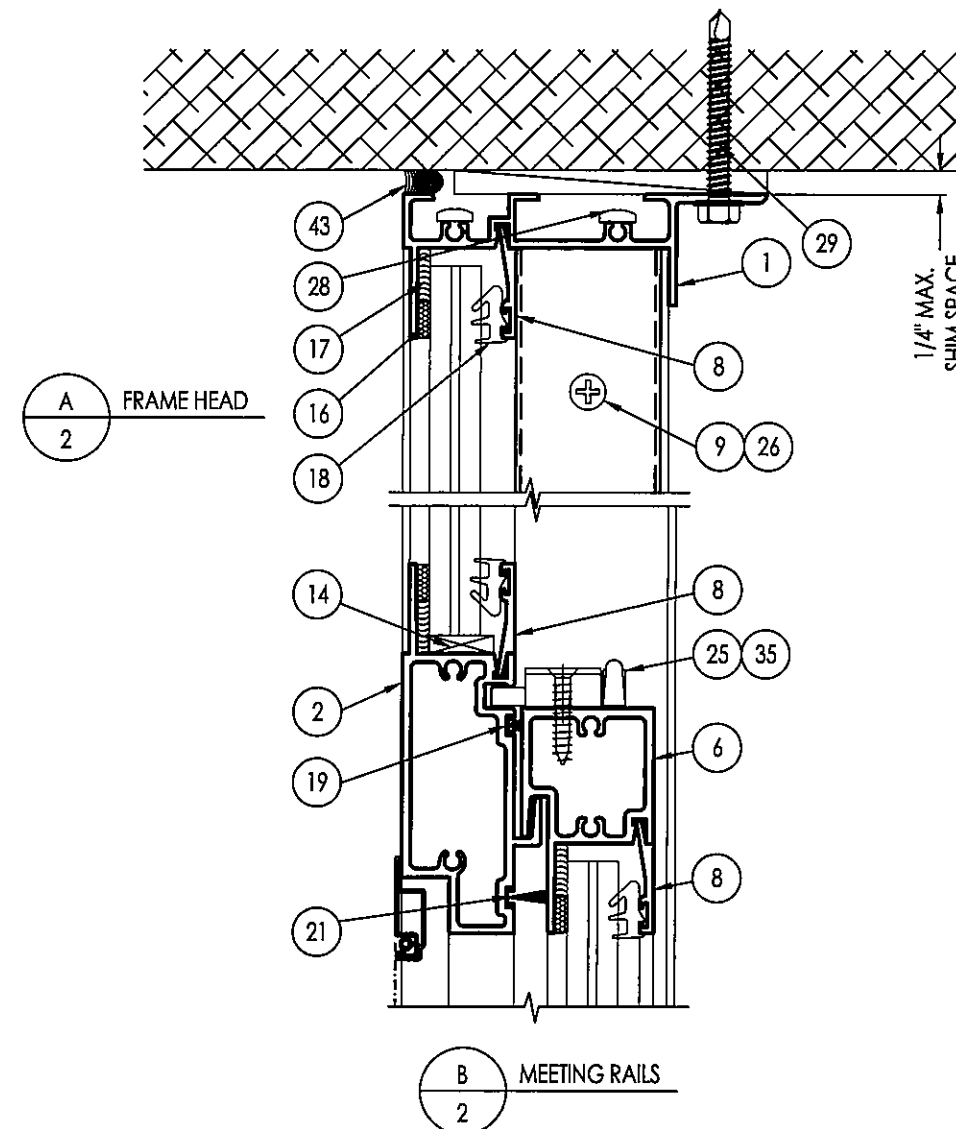
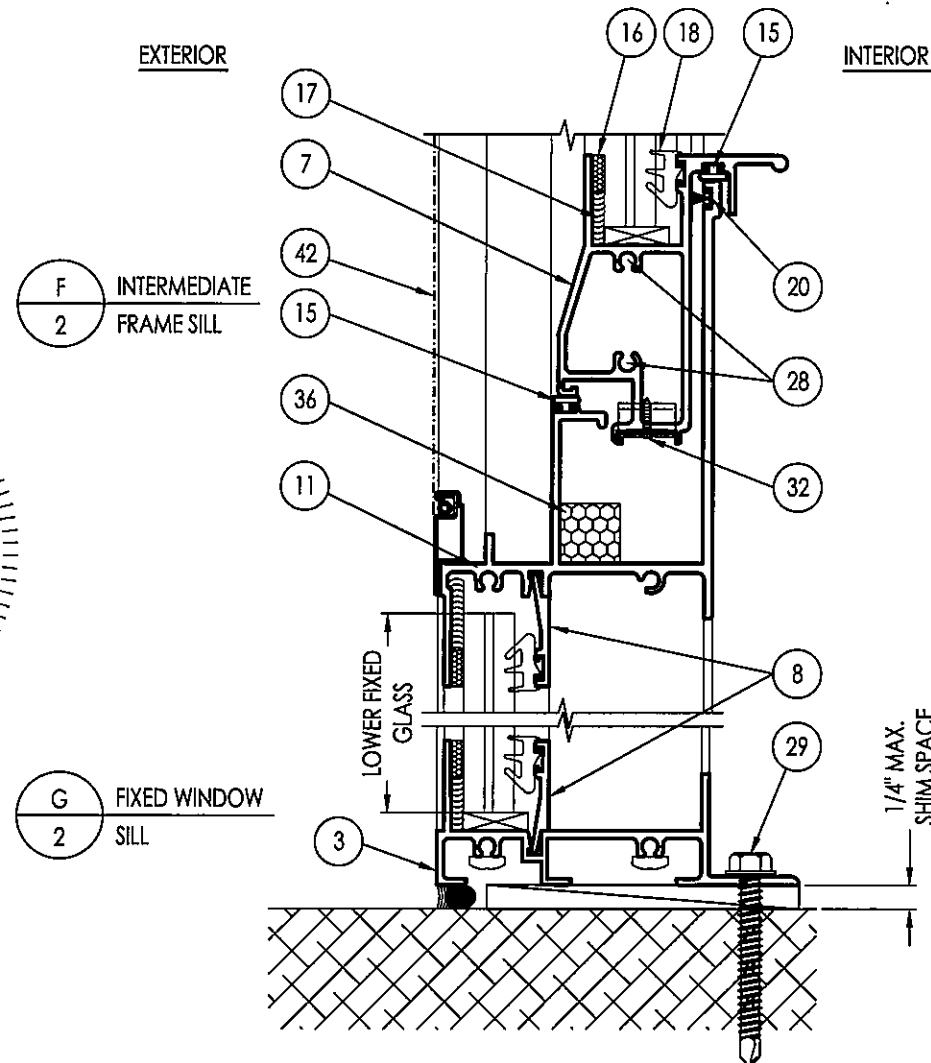
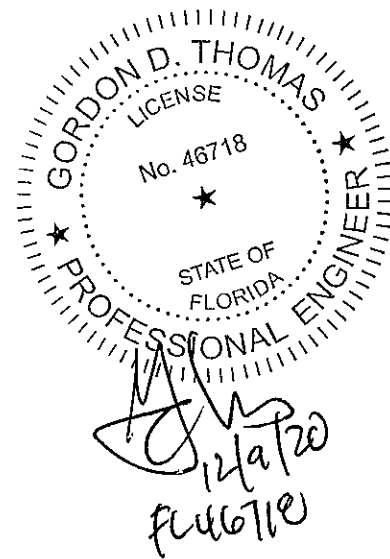
3-LITE SINGLE HUNG

MAX. OVERALL FRAME	MAX. D.L.O. DIMENSION 3-LITE	GLASS TYPE	DESIGN PRESSURE (PDF)	
			POSITIVE	NEGATIVE
53.13" x 84.00"	47.50" x 23.88"	G3	+ 100.0	- 120.0
48.00" x 120.00"	42.31" x 35.88"		+ 100.0	- 100.0



5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
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PRODUCT: SUN METALS 275 SINGLE HUNG WINDOW		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
NO	DATE	DESCRIPTION	BY
REVISIONS			
DATE: 08/24/18			
SCALE: NA			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-3504.6			
SHEET: 1 OF 5			

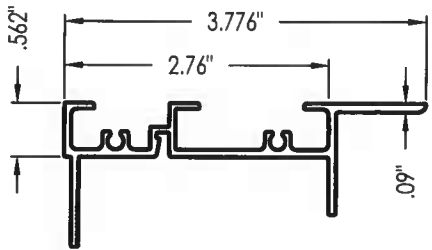
The logo for Sun Metals, featuring a stylized sun icon with rays and the text "SUN METALS" in a bold, sans-serif font.

PRODUCT: SUN METALS
275 SINGLE HUNG WINDOW

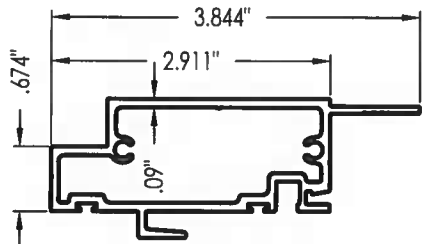
PART OR ASSEMBLY: HORIZ. & VERTICAL ELEVATIONS

[illegible]

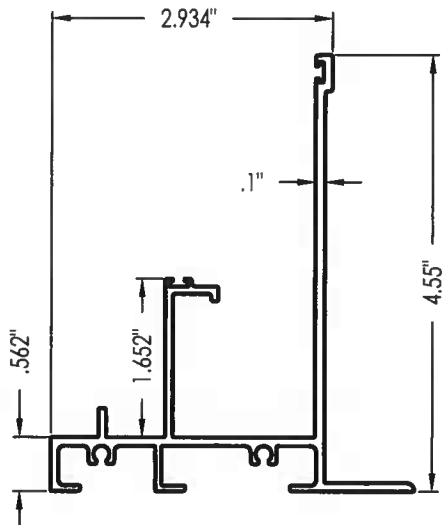
ALUMINUM EXTRUSIONS



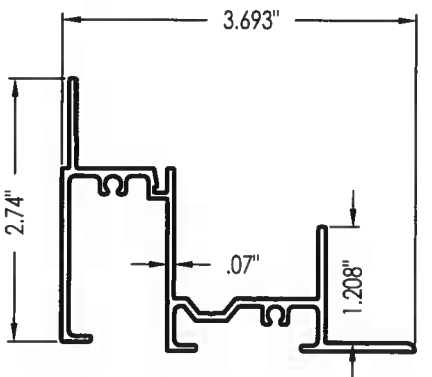
1 HEAD
(SUN-251)



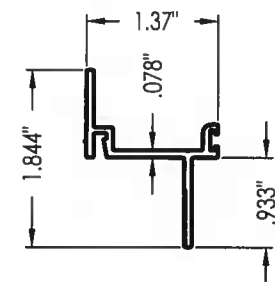
2 FIXED MEETING RAIL
(SUN-252)



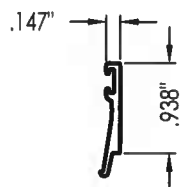
3 FRAME SILL
(SUN-253)



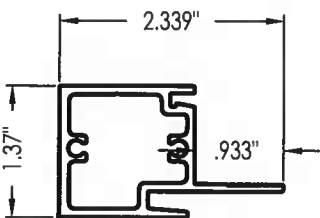
4 FRAME JAMB
(SUN-254)



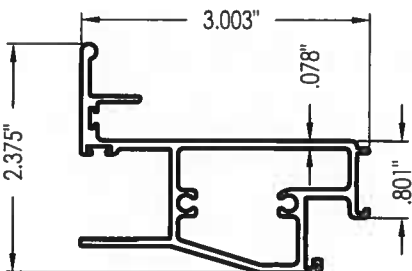
5 SASH JAMB
(SUN-255)



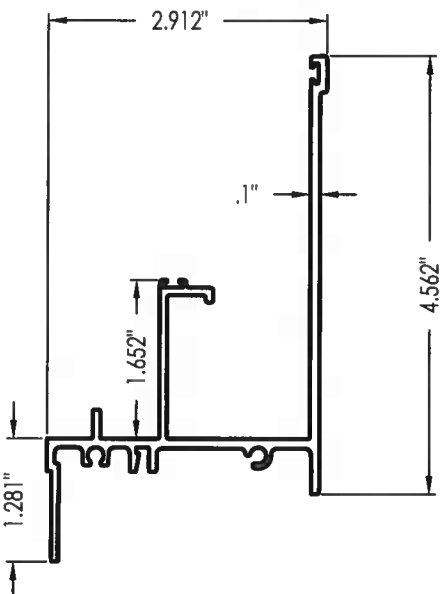
8 GLAZING BEAD
(SUN-258)



6 SASH TOP RAIL
(SUN-256)



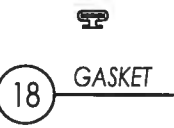
7 SASH BOTTOM RAIL
(SUN-257)



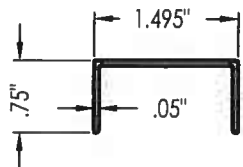
11 INTERMEDIATE FRAME SILL
(SUN-259)



15 GASKET

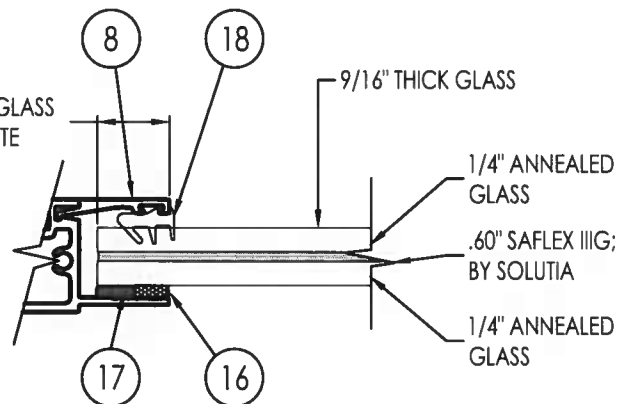
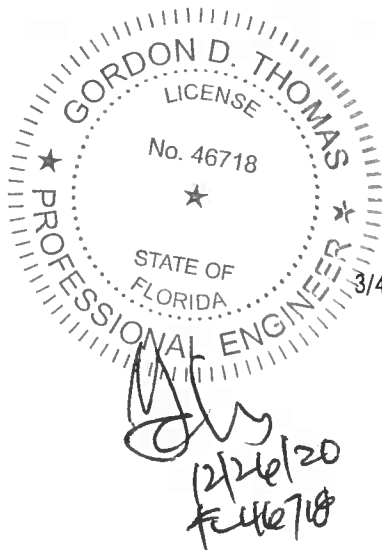


18 GASKET



9 SASH STOP
(SUN-261)

BILL OF MATERIALS				
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER/ SUPPLIER/ COMMENTS
1	SUN-251	FRAME HEAD	6063-T6	
2	SUN-252	FIXED MEETING RAIL	6063-T6	
3	SUN-253	FRAME SILL	6063-T6	
4	SUN-254	FRAME JAMB	6005-T5	
5	SUN-255	SASH JAMB	6063-T6	
6	SUN-256	SASH TOP RAIL	6063-T6	
7	SUN-257	SASH BOTTOM RAIL	6063-T6	
8	SUN-258	GLAZING BEAD	6063-T6	
9	SUN-261	SASH STOP	6063-T6	
11	SUN-259	INTERMEDIATE FRAME SILL	6063-T6	
14	-	SETTING BLOCK	NEOPRENE	85±5 Durometer
15	TR-4756E	EXTRUDED 60 DURO. EPDM BULB GASKET	EPDM	TREMCO
16	2200	EXTERIOR GLAZING TAPE (3/16" X 1/2")	PVC	NORTON 996
17	TREMSIL 600	STRUCTURAL SILICONE	SILICONE	TREMCO
18	TR-12911	EXTRUDED 70 DURO. EPDM WEDGE GASKET	EPDM	TREMCO
19	ULTRA-FIN	WEATHERSTRIPPING-.190H X .187W WITH FLUSH FIN	-	ULTRA FAB
20	ULTRA-FIN	WEATHERSTRIPPING-.250H X .187W WITH FLUSH FIN	-	ULTRA FAB
21	ULTRA-FIN	WEATHERSTRIPPING-.520H X .187W WITH FIN	-	ULTRA FAB
23	-	#8 X 1/2" SMS PPH - PAINTED HEAD	-	
25	-	#8 X 1" SMS PFH TEK#2 - PAINTED HEAD	-	
26	-	#8 X 1 1/4" SMS PPH TEK#2 - PAINTED HEAD	-	
27	-	#8 X 1 1/4" SMS PPH T/AB	-	
28	-	#10 X 1 1/4" SMS PPH T/AB	-	
29	-	ANCHOR ---- SEE ANCHOR SCHEDULE	-	
30	-	1/4"Ø X 1 1/4" PFH	-	
31	ULTRA LIFT	SPIRAL BALANCE	-	CALDWELL MFG.
32	21B03-UE	BALANCE BRACKET	-	CALDWELL MFG.
34	FG100GW	SASH GUIDE	NYLON 6	M & M PLASTICS
35	672260	SASH WEDGE LOCK	ZAMAK #3	DECO MFG.
36	-	WEEP BAFFLE-20/30 PPI - 5/8" SQ. X 2" LG. W/PSA	FOAM	
42	-	SCREEN	-	
43	-	PERIMETER SEALANT	SILICONE	TREMCO



G3 GLAZING DETAIL

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PRODUCT:
SUN METALS
275 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

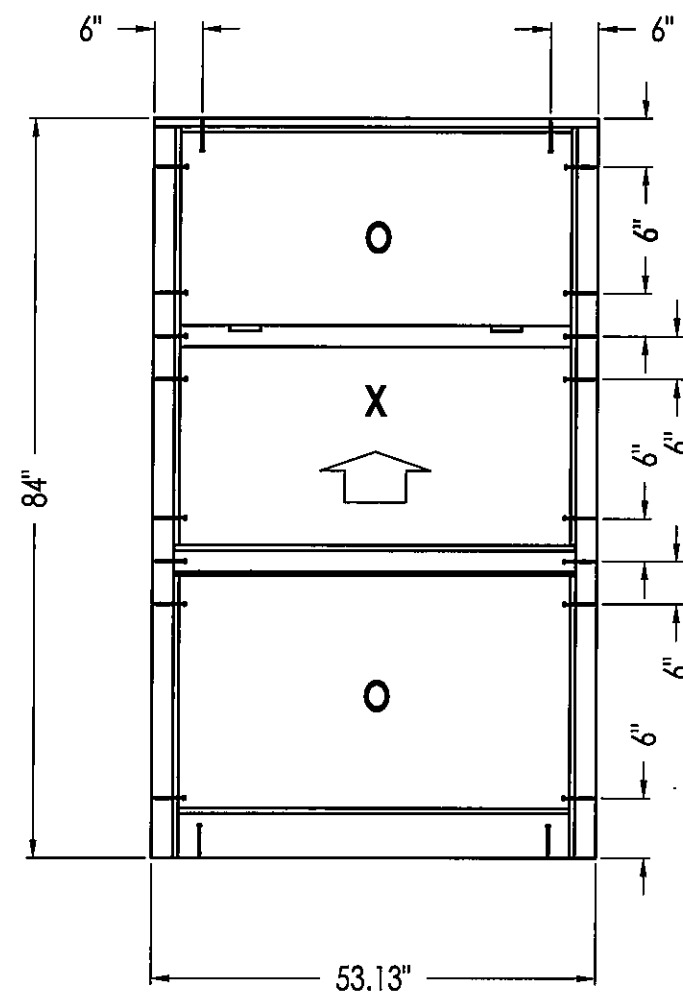
SCALE: NA

DWG. BY: CO

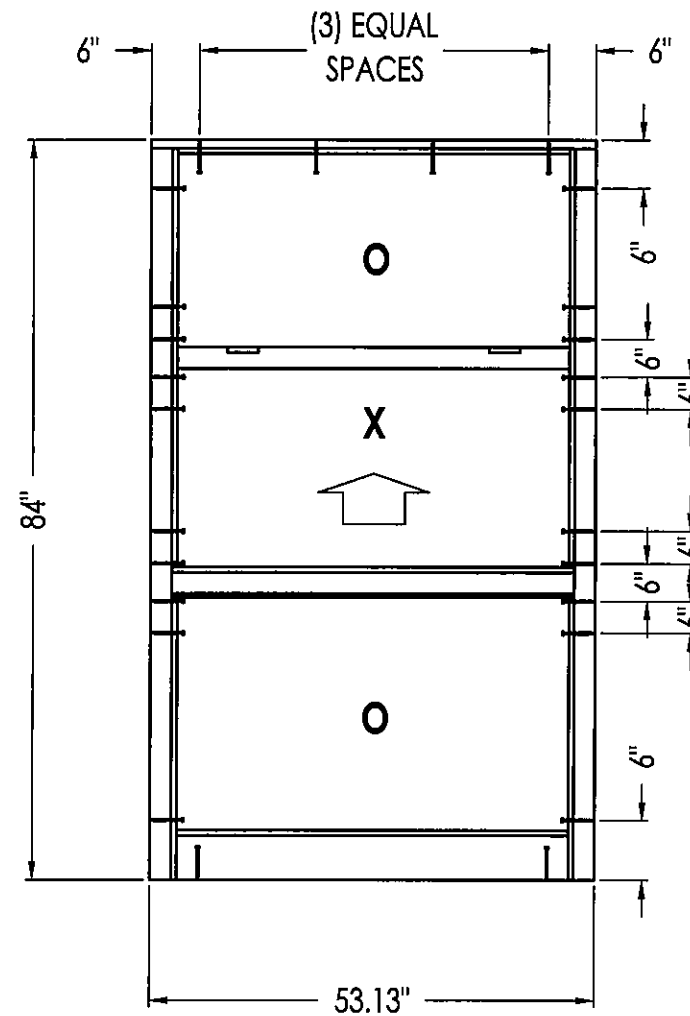
CHK BY: ECV

DRAWING NO.:
FL-3504.6

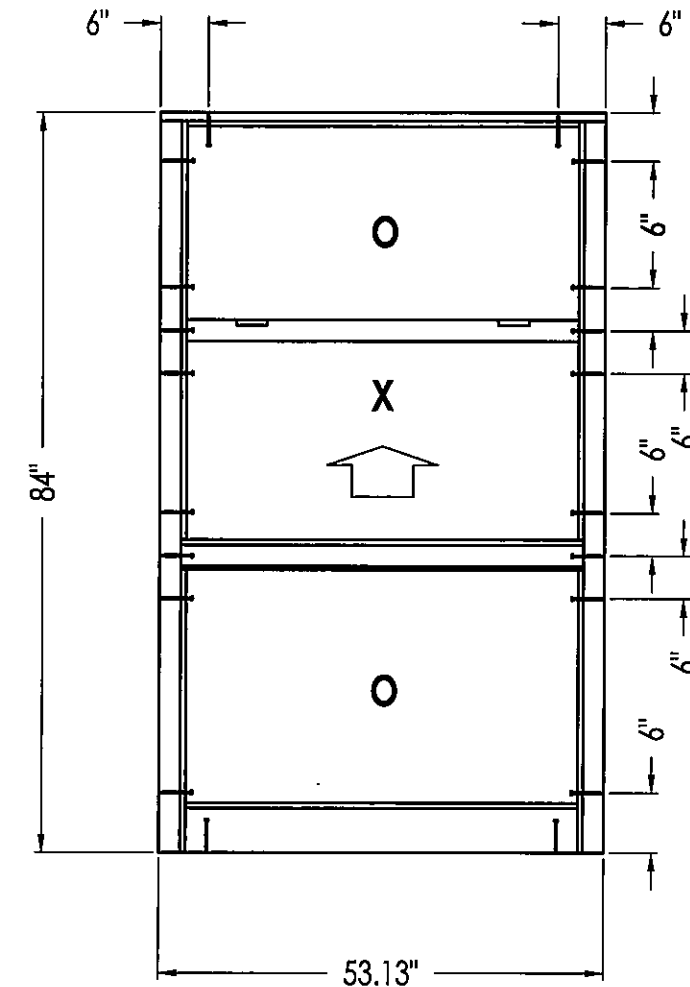
SHEET: 3 OF 5



APPROVED ANCHORS
5/8" SHEET METAL SCREWS



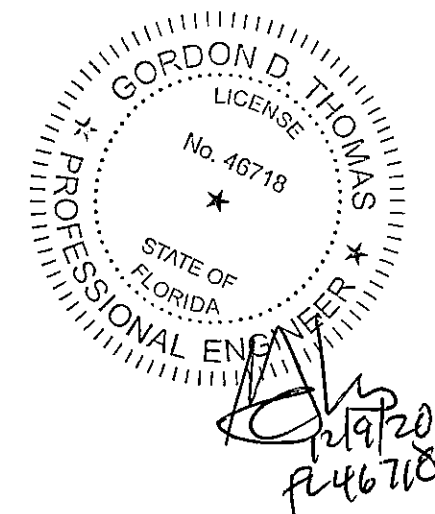
APPROVED ANCHORS
#24 WOOD SCREWS



APPROVED ANCHORS
5/16" ITW TAPCONS

FRAME ANCHORING
UP TO & INCLUDING +100 / -120 PSF.

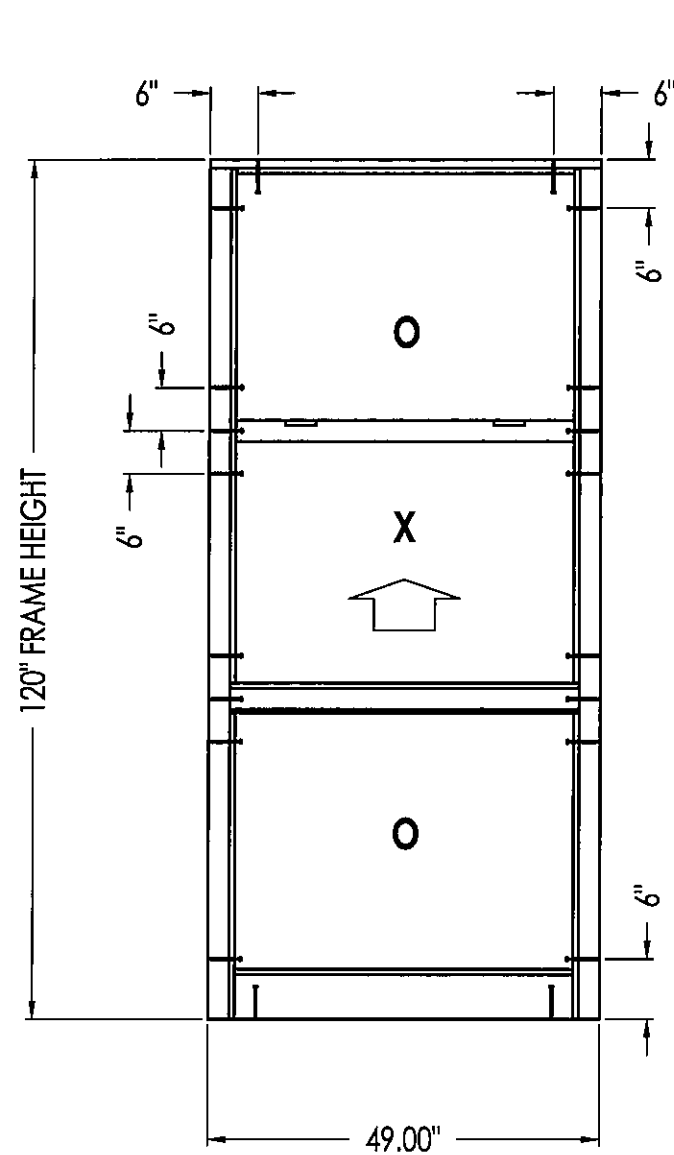
APPROVED ANCHOR SCHEDULE		
ANCHOR	DESCRIPTION	MANUFACTURER
#24 WOOD SCREW	MAIN MEMBER SG = .55 MIN., EDGE DISTANCE = 1.5" MIN., EMBEDMENT = 2.375" MIN., CL = 2" MIN.	N/A
5/16" CONCRETE SCREW	CONCRETE = 3,295 PSI MIN, CONFORMING TO ACI 301, EDGE DISTANCE = 3.125" MIN., EMBEDMENT = 1.25" MIN., CL = 3.75" MIN.	ITW BUILDEX
5/16" SHEET METAL SCREW	SUBSTRATE = 16 GA. STEEL MIN., ASTM A36, EDGE DISTANCE = 1" MIN., EMBEDMENT = 3 THREADS PROTRUDING MIN, CL = 1" MIN.	HILTI DRILL-FLEX & KWIK-FLEX



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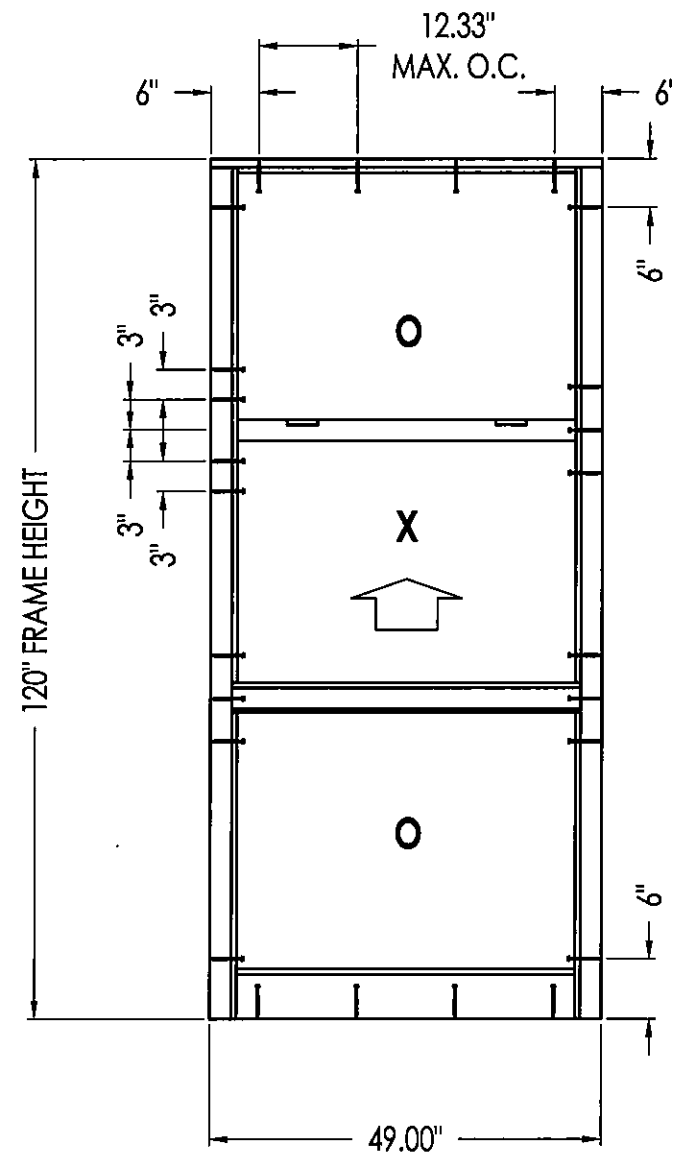


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		275 SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		ANCHORING	
NO	DATE	DESCRIPTION	BY
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JOB
REVISIONS			
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CHK BY: ECV			
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SHEET: 4 OF 5			



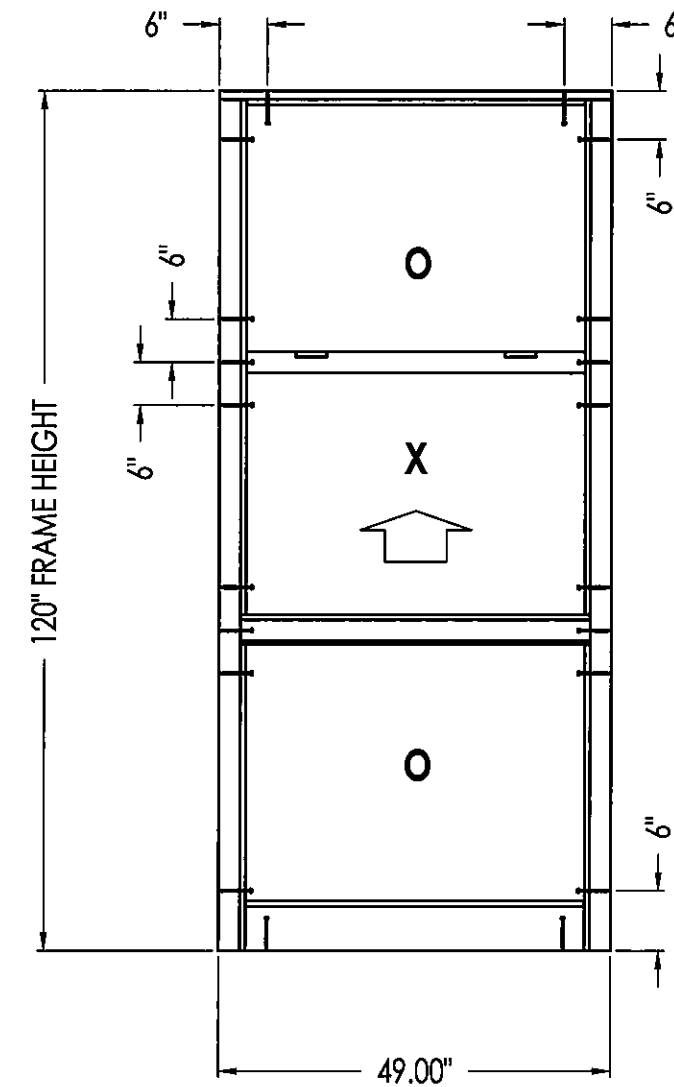
APPROVED ANCHORS

5/16" SHEET METAL SCREWS



APPROVED ANCHORS

#24 WOOD SCREWS



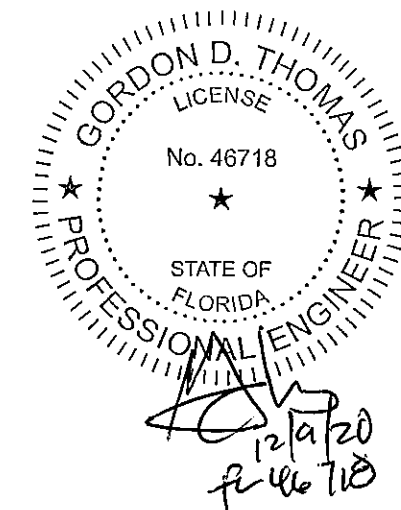
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5/16" SHEET METAL SCREW	SUBSTRATE = 16 GA. STEEL MIN., ASTM A36, EDGE DISTANCE = 1" MIN., EMBEDMENT = 3 THREADS PROTRUDING MIN, CL = 1" MIN.	HILTI DRILL-FLEX & KWIK-FLEX



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PART OR ASSEMBLY:
ANCHORING

NO	DATE	DESCRIPTION	BY
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DATE: 08/24/18

SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-3504.6

SHEET: 5 OF 5