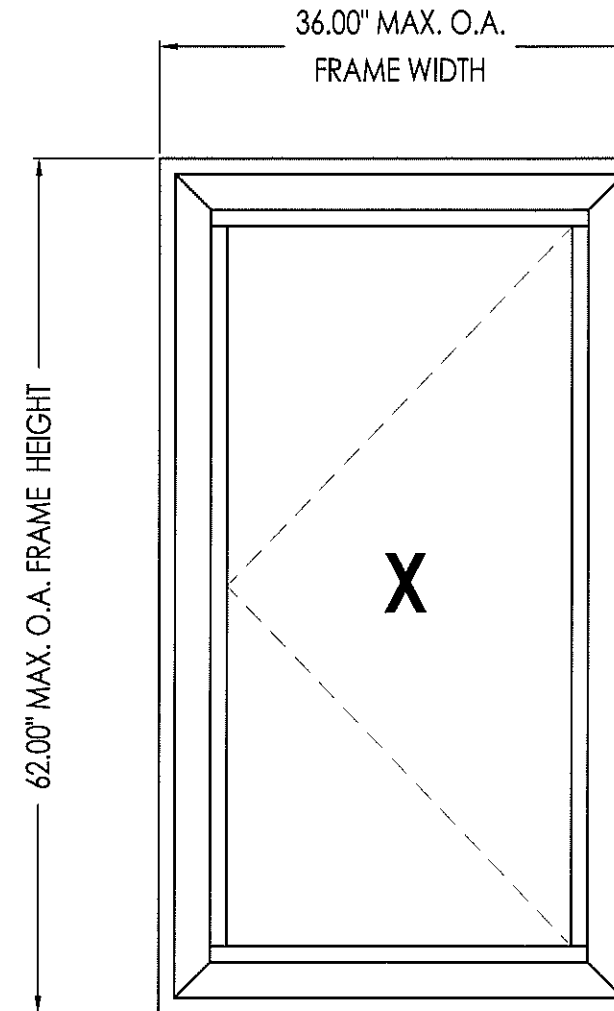
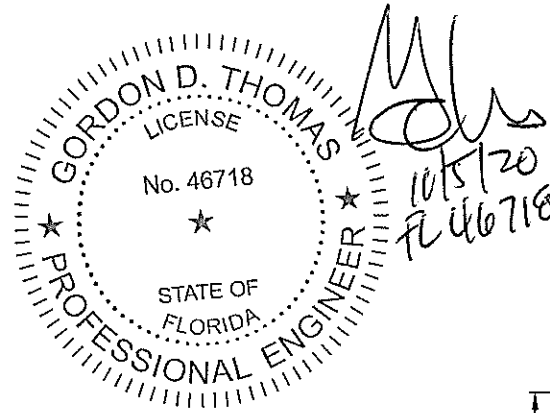




SERIES 250C
ALUMINUM CASEMENT WINDOW
SINGLE UNIT
"LARGE MISSILE IMPACT"



GENERAL NOTES:

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".

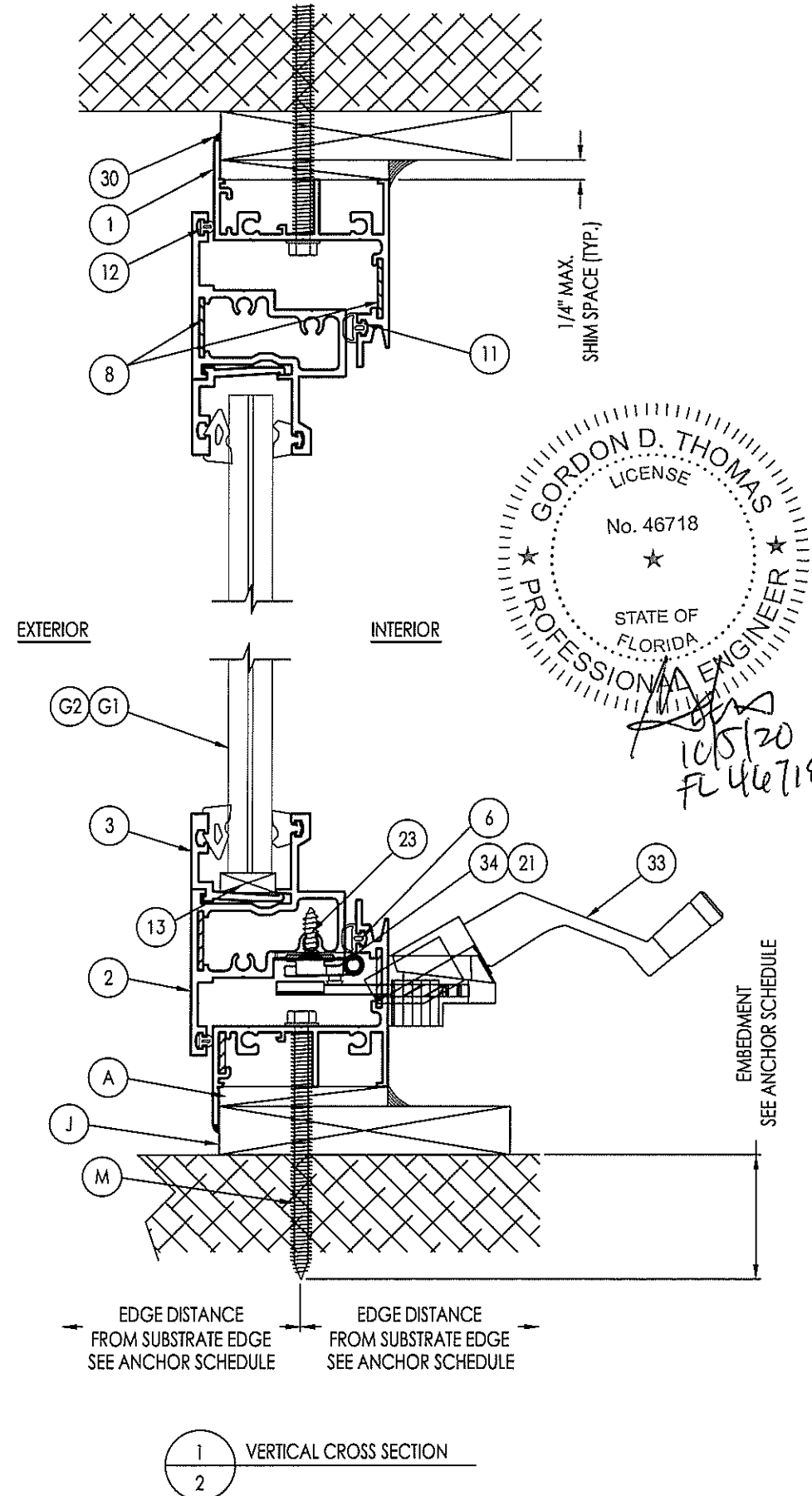
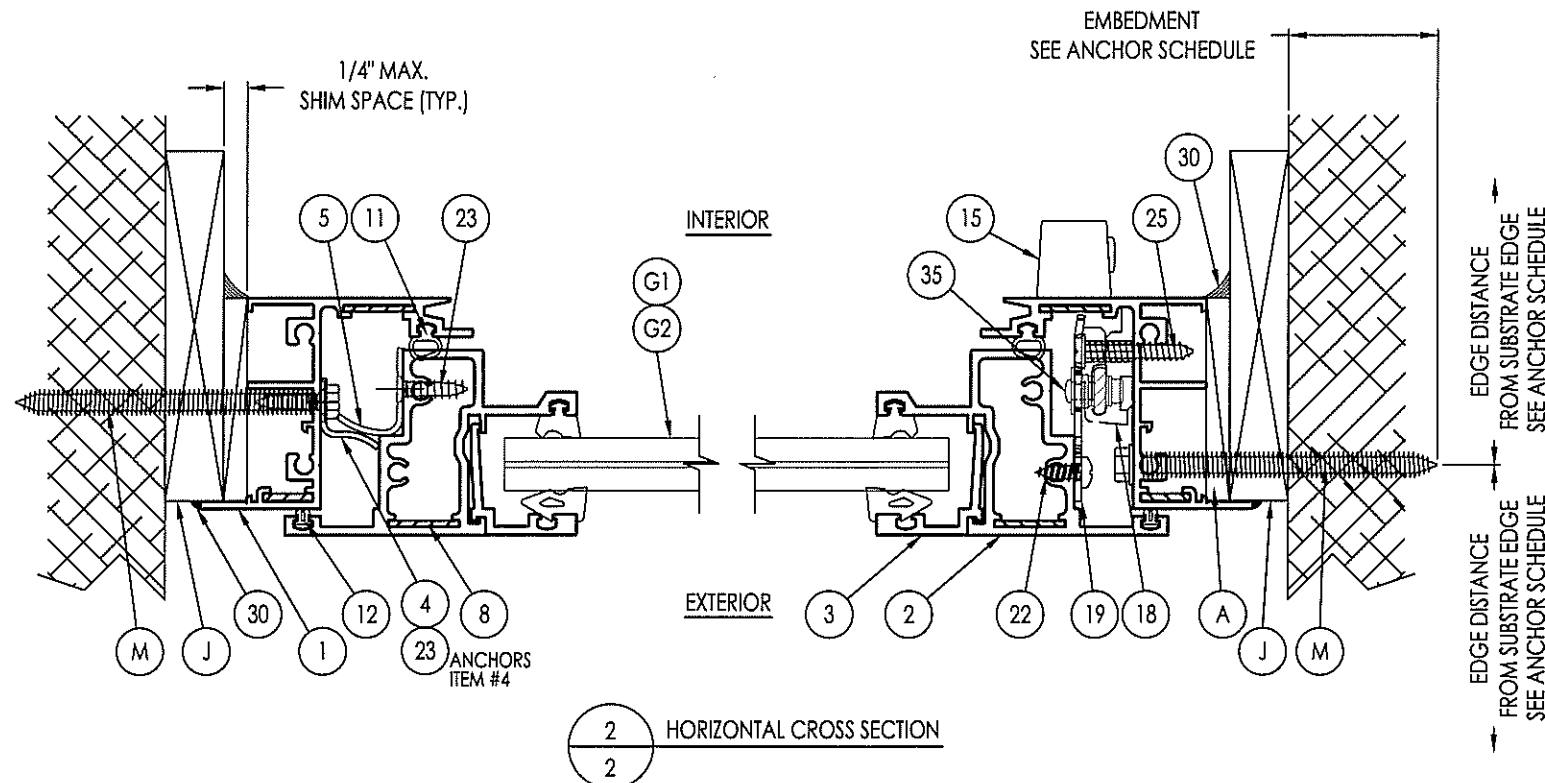
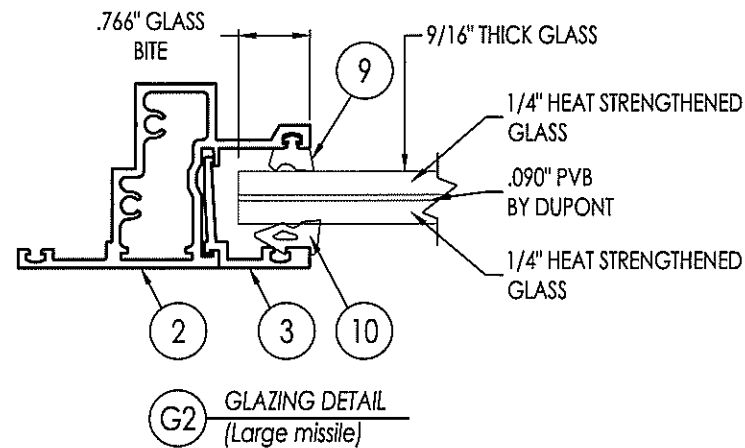
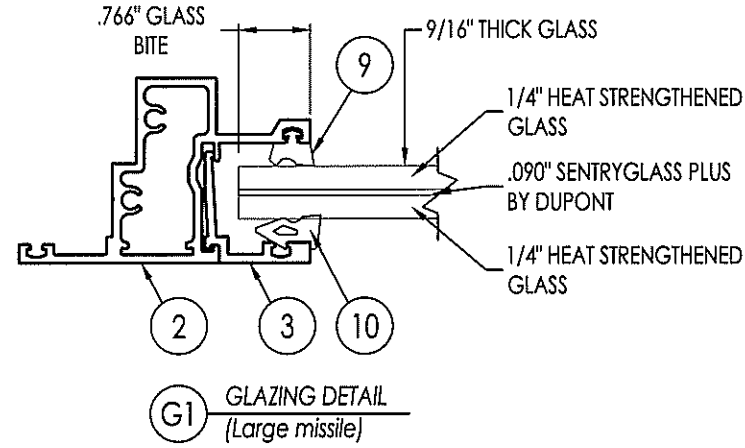
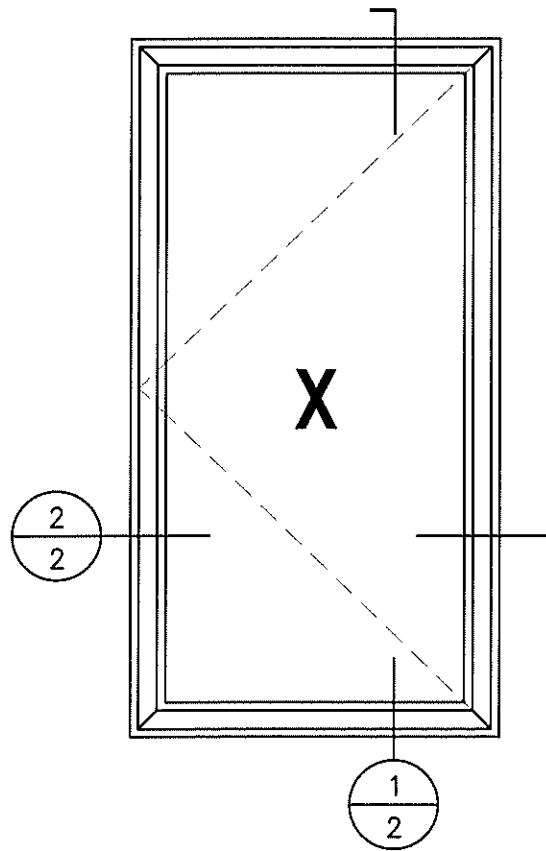
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections & glazing detail
3	Frame anchoring
4	Frame anchoring
5	Bill of materials & components

OVERALL FLANGE DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
37.00" x 63.00"	36.00" x 62.00"	28.75" x 54.75"	G1	+ 100.0	- 100.0
37.00" x 20.50"	36.00" x 19.50"	28.75" x 12.75"		+ 100.0	- 100.0
37.00" x 63.00"	36.00" x 62.00"	28.75" x 54.75"	G2	+ 70.0	- 70.0
37.00" x 20.50"	36.00" x 19.50"	28.75" x 12.75"		+ 70.0	- 70.0

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PRODUCT: 250C CASEMENT WINDOW		PART OR ASSEMBLY: TABLE OF CONTENTS DESIGN PRESSURES	
		JCB	
		ECV	
		CO	
		CO	
		BY	
		DESCRIPTION	
		NO	
		DATE	
		REVISIONS	
		DATE: 03/05/16	
		SCALE: NA	
		DWG. BY: CO	
		CHK BY: ECV	
		DRAWING NO.: FL-9820.2	
		SHEET: 1 OF 5	



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PRODUCT: 250C CASEMENT WINDOW		PART OR ASSEMBLY:		VERTICAL & HORIZONTAL SECTIONS	
NO	DATE	DESCRIPTION	BY	REVISIONS	
A	09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB		
A	09/03/19	UPDATE TO 2017 FBC	ECV		
A	03/05/16	UPDATE TO 2014 FBC	CO		
A	10/14/13	UPDATE TO 2010 FBC	CO		

DATE: 03/05/16

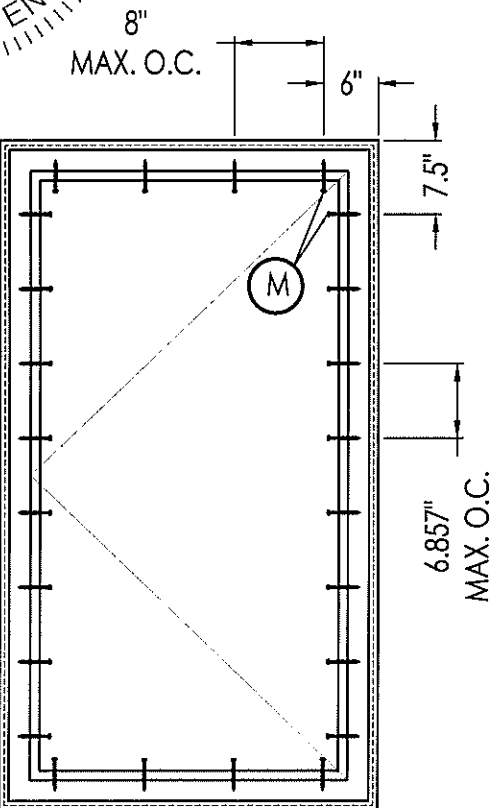
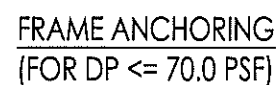
SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-9820.2

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



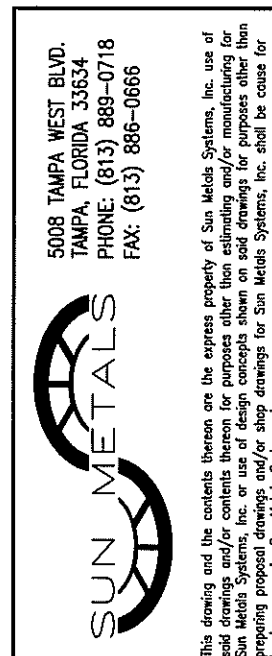
FRAME ANCHORING
(FOR $70.0 < DP \leq 100.0$ PSF)



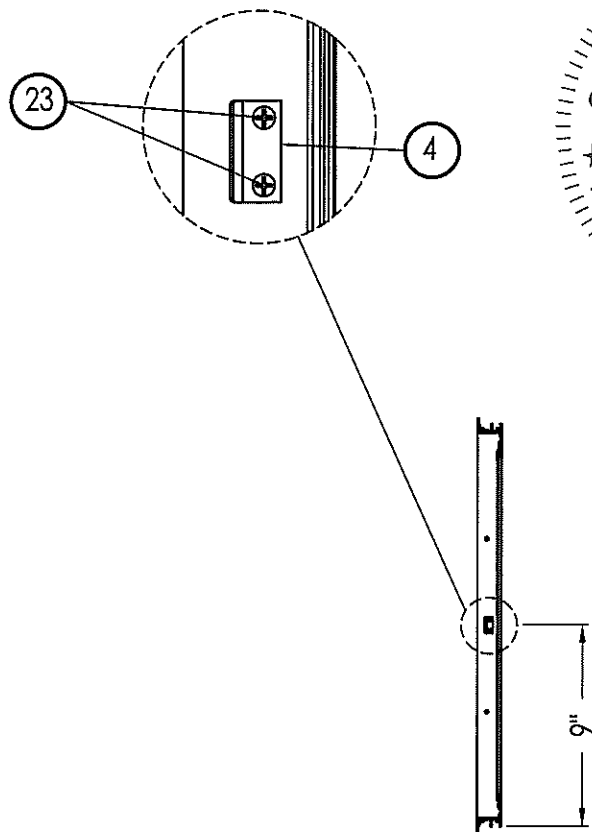
KEEPER LOCK QTY.

1. 5/16" Tapcon Plus CONCRETE SCREWS ANCHORING FRAME AND/ OR SILL REQUIRE A MINIMUM 3-1/8" CLEARANCE TO MASONRY EDGES, A 1-1/4" MINIMUM EMBEDMENT AND A MINIMUM 3-3/4" CLEARANCE TO ADJACENT CONCRETE SCREWS. SUBSTITUTION OF EQUAL CONCRETE SCREWS FROM A DIFFERENT SUPPLIER MAY HAVE DIFFERENT EDGE DISTANCE AND CENTER DISTANCE REQUIREMENTS. CONCRETE SCREW LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS. IF CONCRETE SCREW LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS, ADDITIONAL CONCRETE SCREWS MAY BE REQUIRED TO ENSURE THE MAXIMUM ON CENTER DIMENSION IS NOT EXCEEDED.

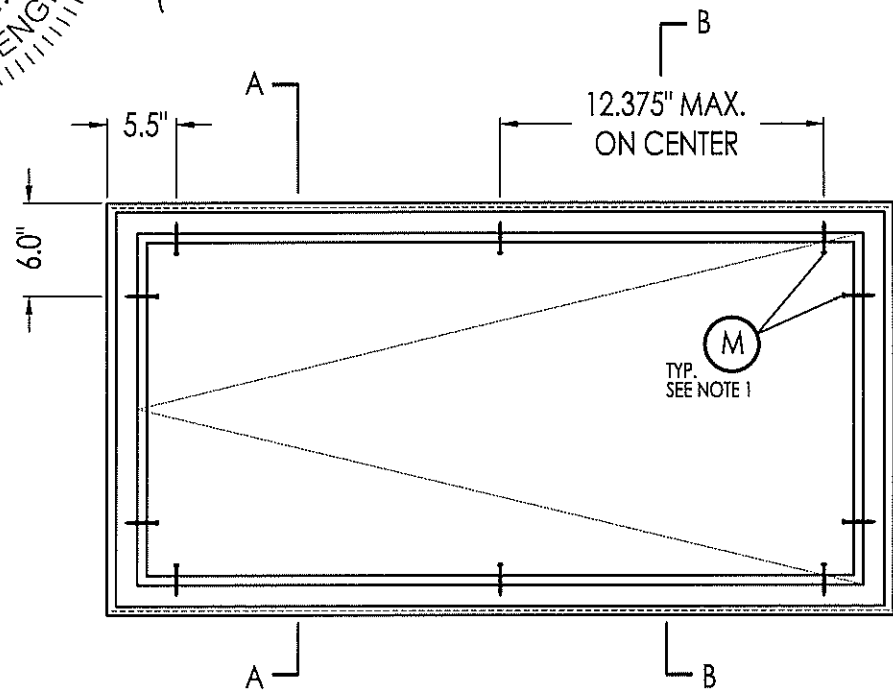
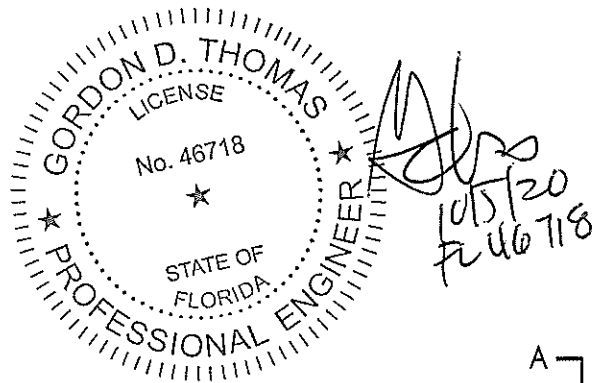
ANCHOR SCHEDULE	
SUBSTRATE	ANCHOR
MASONRY: (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
1X WOOD BUCK WITH MASONRY (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
STEEL:	1/4-20 DRILL FLEX SELF-DRILLING SMS BY ELCO, 3 THREADS OF MIN PENETRATION BEYOND METAL STRUCTURE, 1" MIN. EDGE DISTANCE, CL=1" MIN. STEEL CONFORMING TO ASTM A36, GRADE 33, 16 GA MIN.
WOOD:	# 14 WOOD SCREW WITH 1.5" MIN. EMBEDMENT, 0.75" MIN. EDGE DIST. , CL = 2" MIN. SG = 0.55 OR BETTER



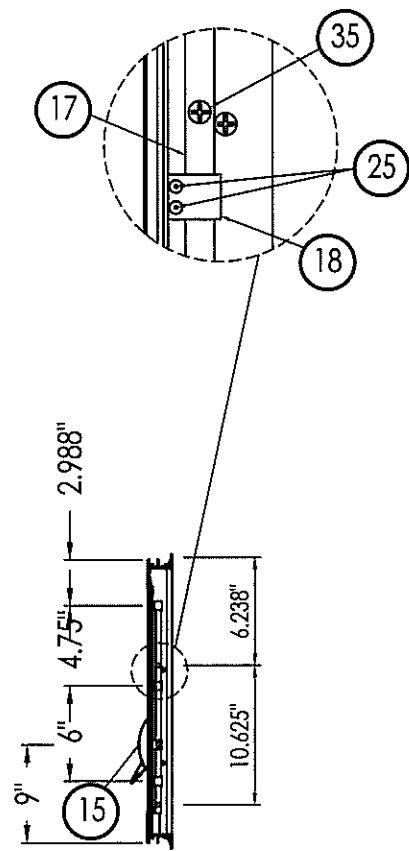
<u>PRODUCT:</u>						250C CASEMENT WINDOW		<u>PART OR ASSEMBLY:</u>		FRAME ANCHORING	



VIEW **AA** ANCHORING LOCATIONS
SNUBBER CENTERLINE



FRAME ANCHORING



VIEW **BB** ANCHORING LOCATIONS
TIE BAR GUIDE,
LATCH PIN & LOCK CENTERLINES

NOTES:

1. 5/16" Tapcon Plus CONCRETE SCREWS ANCHORING FRAME AND/ OR SILL REQUIRE A MINIMUM 3-1/8" CLEARANCE TO MASONRY EDGES, A 1-1/4" MINIMUM EMBEDMENT AND A MINIMUM 3-3/4" CLEARANCE TO ADJACENT CONCRETE SCREWS. SUBSTITUTION OF EQUAL CONCRETE SCREWS FROM A DIFFERENT SUPPLIER MAY HAVE DIFFERENT EDGE DISTANCE AND CENTER DISTANCE REQUIREMENTS. CONCRETE SCREW LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS. IF CONCRETE SCREW LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS, ADDITIONAL CONCRETE SCREWS MAY BE REQUIRED TO ENSURE THE MAXIMUM ON CENTER DIMENSION IS NOT EXCEEDED.

ANCHOR SCHEDULE	
SUBSTRATE	ANCHOR
MASONRY: (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
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STEEL:	1/4-20 DRILL FLEX SELF-DRILLING SMS BY ELCO, 3 THREADS OF MIN PENETRATION BEYOND METAL STRUCTURE, 1" MIN. EDGE DISTANCE, CL=1" MIN. STEEL CONFORMING TO ASTM A36, GRADE 33, 16 GA MIN.
WOOD:	# 14 WOOD SCREW WITH 1.5" MIN. EMBEDMENT, 0.75" MIN. EDGE DIST. , CL = 2" MIN. SG = 0.55 OR BETTER

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PRODUCT:
250C CASEMENT WINDOW

PART OR ASSEMBLY:
FRAME ANCHORING

DATE	DESCRIPTION	BY
09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
09/03/19	UPDATE TO 2017 FBC	ECV
03/05/16	UPDATE TO 2014 FBC	CO
10/14/13	UPDATE TO 2010 FBC	CO
NO	REVISIONS	

DATE: 03/05/16

SCALE: NA

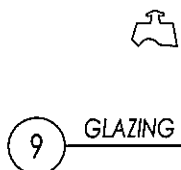
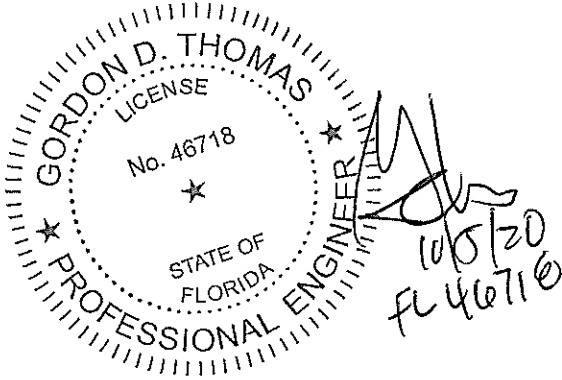
DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-9820.2

SHEET: 4 OF 5

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	-
J	1X BUCK SG >= 0.55	WOOD
M	ANCHOR: SEE ANCHOR SHEET 4	STEEL
1	FRAME (#SUN 101)	6063-T6 ALUM
2	VENT (#SUN 102)	6063-T6 ALUM
3	GLAZING BEAD (#SUN 103)	6063-T6 ALUM
4	FRAME SNUBBER	STEEL
5	VENT SNUBBER	STEEL
6	STUD BRACKET PART (TRUTH)	S.S.
8	.063" CORNER KEY (H-467)	3003 ALUM
9	GLAZING SPONGE (TR-6142E)	NEOPRENE
10	GLAZING WEDGE (TR-11419E)	EPDM
11	FRAME BULB SEAL (TR-4392P)	EPDM
12	VENT BULB SEAL (TR-13100P)	EPDM
13	SETTING BLOCK 1/4" X 3/4" X 4" LONG	SILICONE
15	LOCK ASSEMBLY PART (TRUTH)	ZAMAK
17	TIE BAR (TRUTH)	S.S.
18	TIE BAR GUIDE (TRUTH)	NYLON
19	KEEPER PART (TRUTH)	S.S.
21	#6 X 3/4" PFH UNDERCUT SSSMS	S.S.
22	#8 X 1/2" PFH SSSMS	S.S.
23	#8 X 3/4" PFH UNDERCUT SSSMS	S.S.
25	#10 X 1" PPH SMS	S.S.
30	SEALANT	SILICONE
33	CRANK PART (TRUTH)	ZAMAK
34	OPERATOR TRACK	S.S.
35	LATCH PIN	-
36	NYLON SPACER	NYLON
37	#10 PHILLIP TRUSS HEAD MACHINE SCREW W/ NUT	STEEL



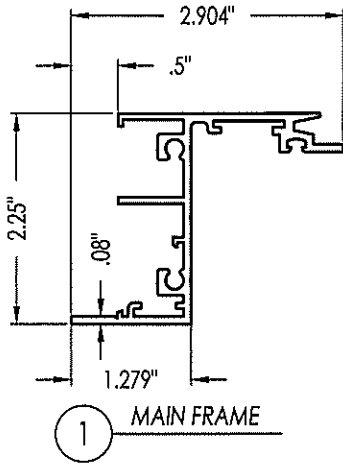
9 GLAZING SPONGE



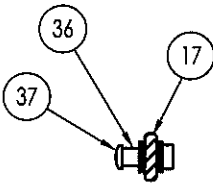
10 GLAZING WEDGE



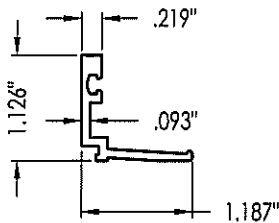
12 VENT BULB SEAL



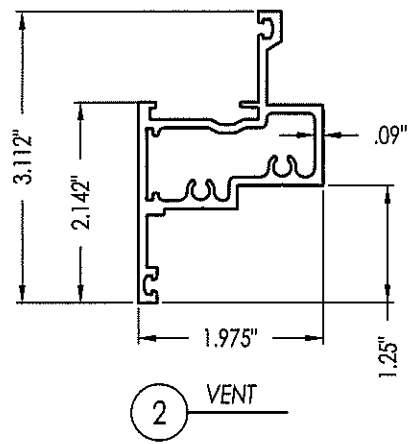
1 MAIN FRAME



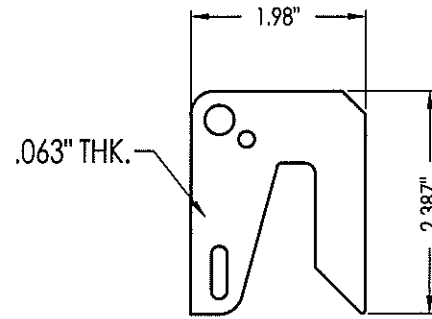
35 LATCH PIN



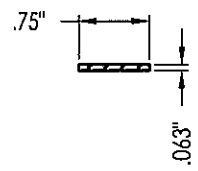
3 GLAZING BEAD



2 VENT

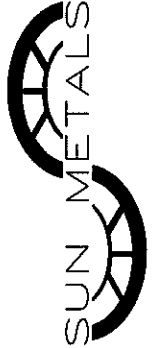


19 KEEPER



8 CORNER KEY

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PRODUCT: 250C CASEMENT WINDOW

PART OR ASSEMBLY: BOM & COMPONENTS

NO	DATE	DESCRIPTION	BY
1	09/21/20	UPDATE TO 7TH ED. (2020)	JCB
2	09/03/19	UPDATE TO 2017 FBC	ECV
3	03/05/16	UPDATE TO 2014 FBC	CO
4	10/14/13	UPDATE TO 2010 FBC	CO

DATE: 03/05/16

SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-9820.2

SHEET: 5 OF 5