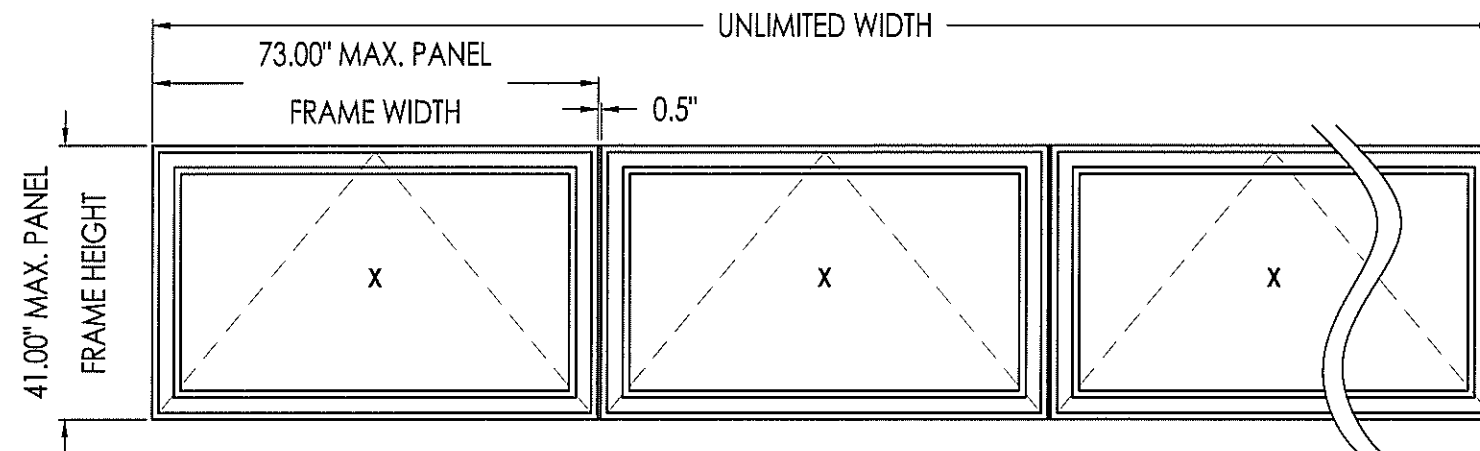
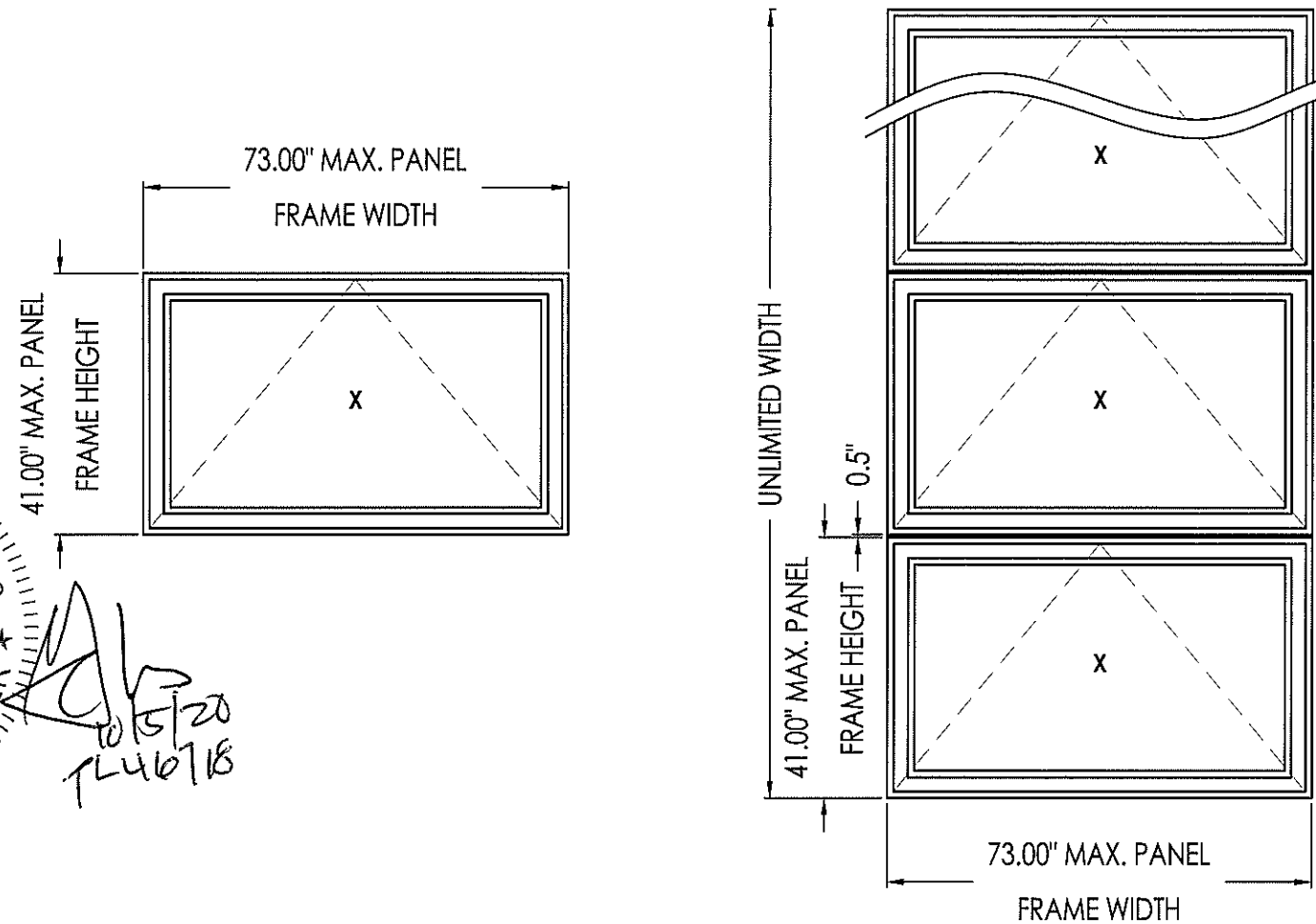
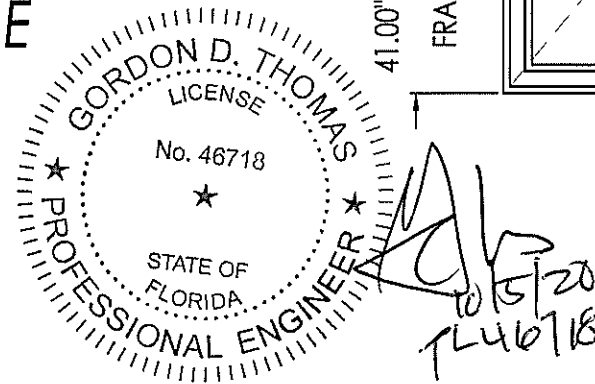




SERIES 300V
PROJECT OUT WINDOW
W/ THERMAL BREAK FRAME
"NON-IMPACT"



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 this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the 2020 FBC.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licenced engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Table of contents, design pressures and general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Frame anchoring
5	Bill of materials, glazing details & components

CONFIGURATION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
SINGLE UNIT	73.00" x 41.00"	65.25" x 33.25"	G1	+ 65.0	- 65.0
MULLED UNIT	73.00" x 41.00"	65.25" x 33.25"	G1	+ 65.0	- 65.0

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

PRODUCT: 300V PROJECT OUT WINDOW

PART OR ASSEMBLY: TABLE OF CONTENTS
DESIGN PRESSURES

NO	DATE	DESCRIPTION	BY
1	09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
2	09/03/19	UPDATE TO 2017 FBC	ECV
3	03/05/16	UPDATE TO 2014 FBC	CO
4	09/27/13	UPDATE TO 2010 FBC	CO

DATE: 03/05/16

SCALE: NA

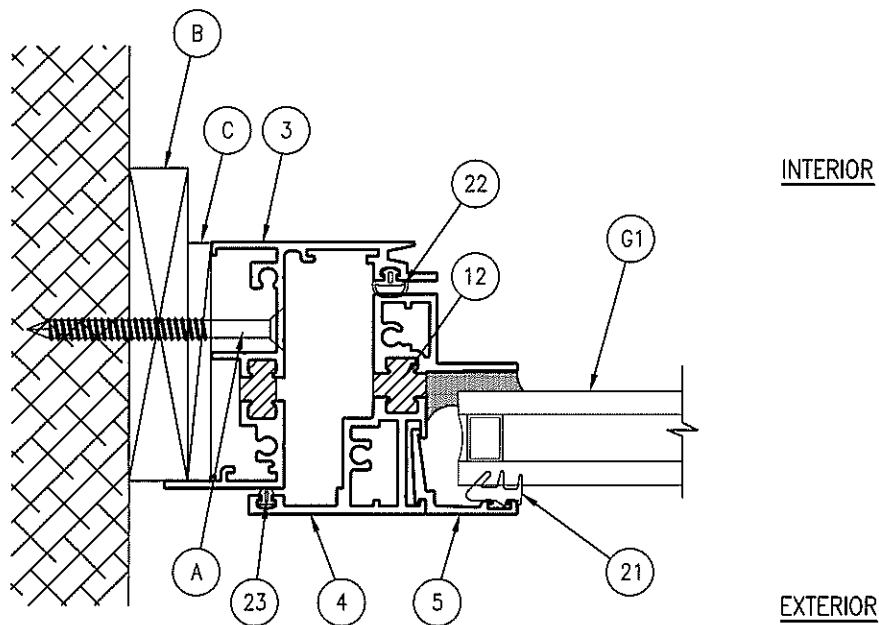
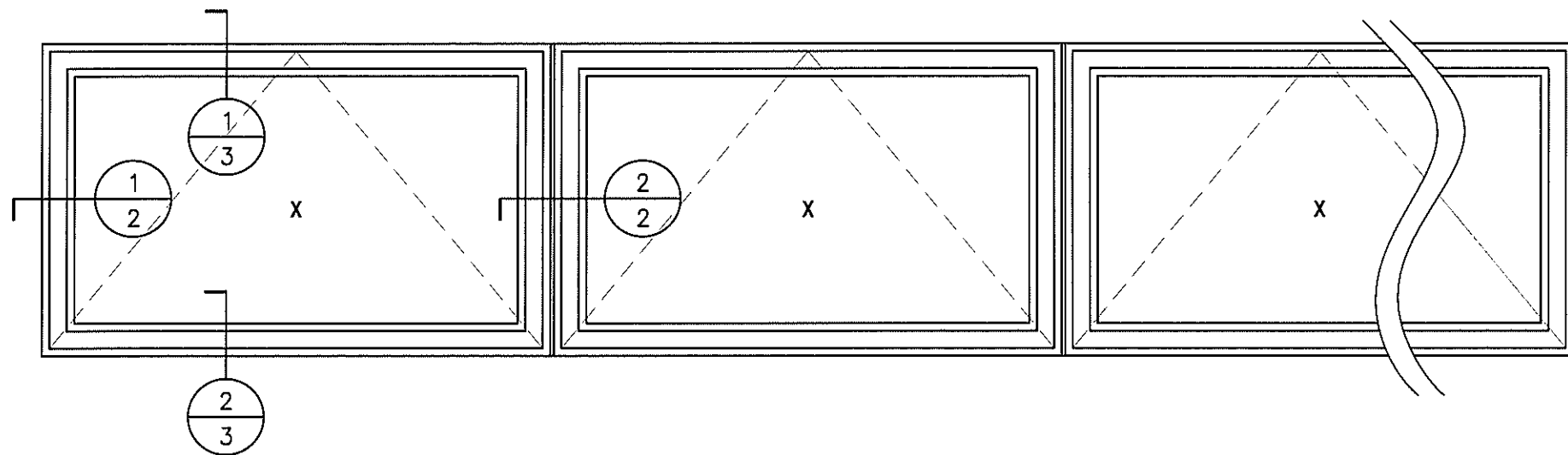
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CHK BY: ECV

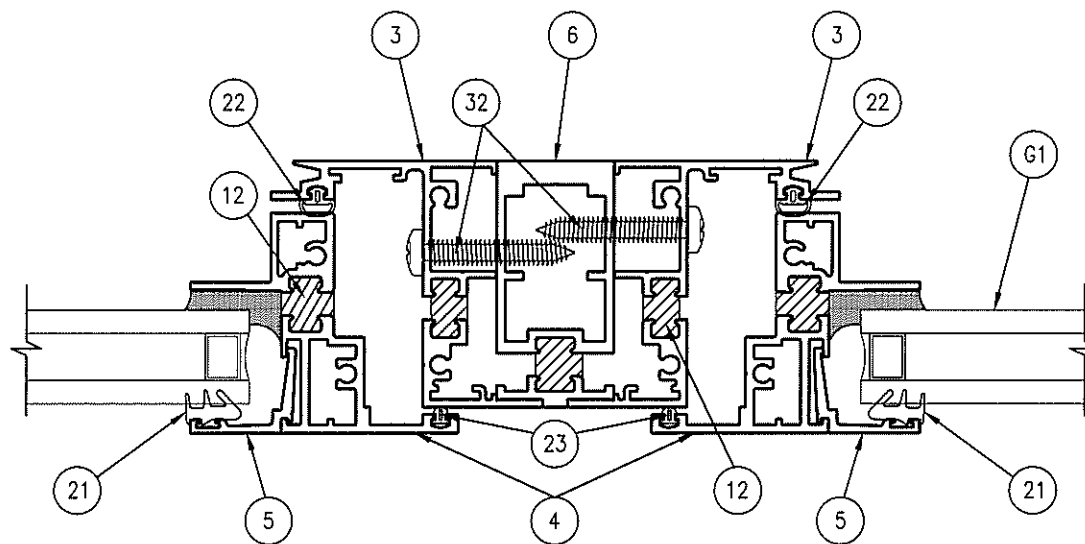
DRAWING NO.: FL-9291.5

SHEET: 1 OF 5

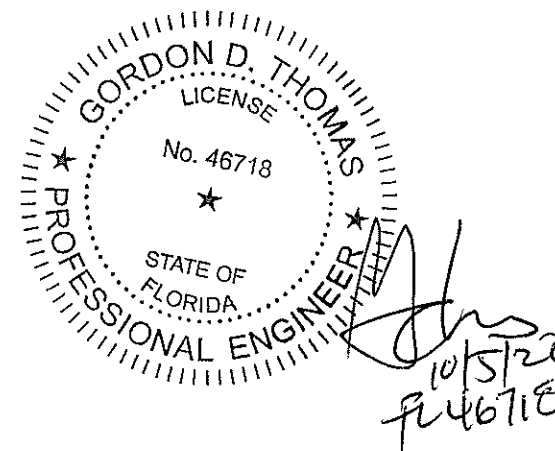
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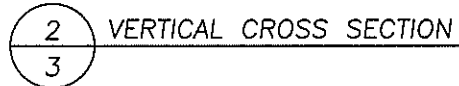
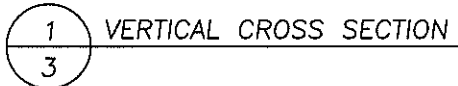
1
2 HORIZONTAL CROSS SECTION



2
2 HORIZONTAL CROSS SECTION



5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666 SUN METALS This drawing and the contents hereon are the express property of Sun Metals Systems, Inc. use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, Inc. or use of design concepts shown on said drawings for purposes other than preparing proposal drawings and/or shop drawings for Sun Metals Systems, Inc. shall be cause for legal recourse by Sun Metals Systems, Inc.																					
PRODUCT: 300V PROJECT OUT WINDOW	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS																				
<table border="1"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>09/21/20</td> <td>UPDATE TO 7TH ED. (2020) FBC</td> <td>JCB</td> </tr> <tr> <td>2</td> <td>09/03/19</td> <td>UPDATE TO 2017 FBC</td> <td>ECV</td> </tr> <tr> <td>3</td> <td>03/05/16</td> <td>UPDATE TO 2014 FBC</td> <td>CO</td> </tr> <tr> <td>4</td> <td>09/27/13</td> <td>UPDATE TO 2010 FBC</td> <td>CO</td> </tr> </tbody> </table>	NO	DATE	DESCRIPTION	BY	1	09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB	2	09/03/19	UPDATE TO 2017 FBC	ECV	3	03/05/16	UPDATE TO 2014 FBC	CO	4	09/27/13	UPDATE TO 2010 FBC	CO	REVISIONS
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CHK BY: ECV																					
DRAWING NO.: FL-9291.5																					
SHEET: 2 OF 5																					



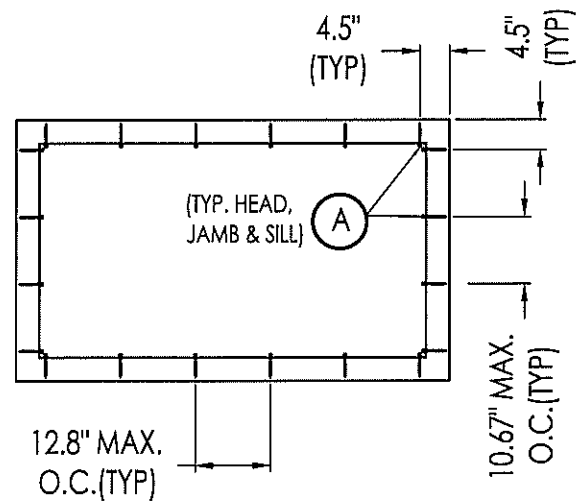
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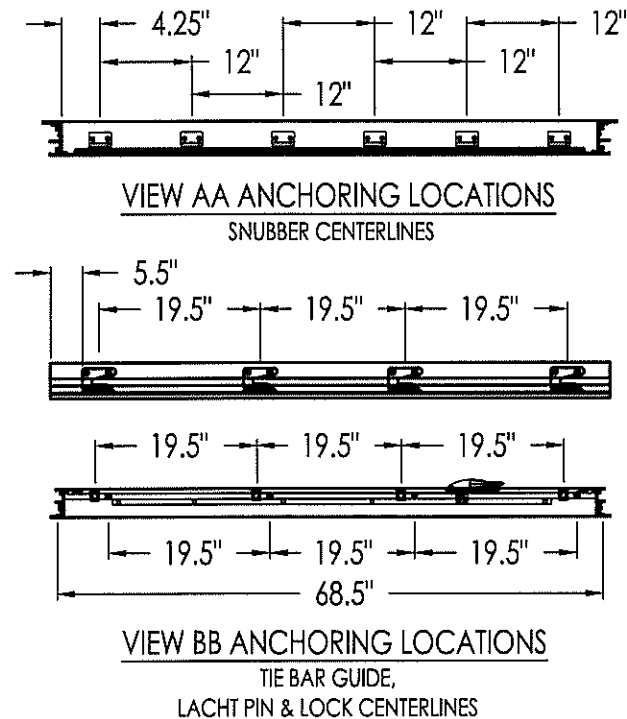
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VERTICAL CROSS SECTIONS

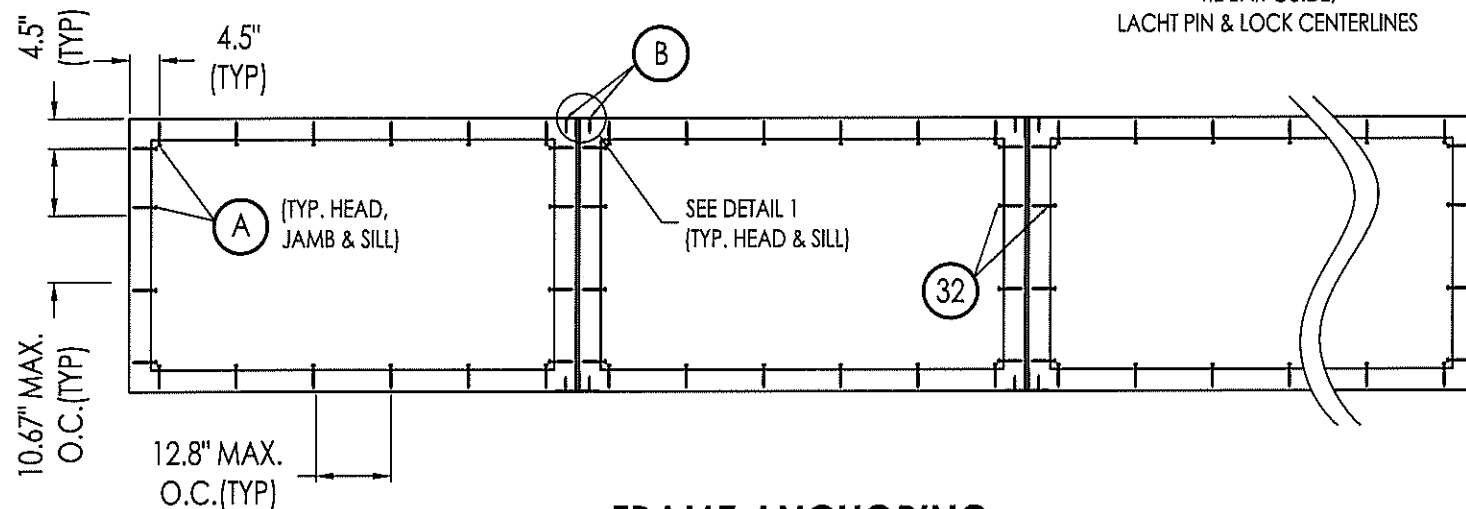
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					ECV
					CO
					CO
					BY
NO		DATE		DESCRIPTION	
REVISIONS					
DATE: 03/05/16					
SCALE: NA					
DWG. BY: CO					
CHK BY: ECV					
DRAWING NO.: FL-9291.5					
SHEET: 3		OF		5	



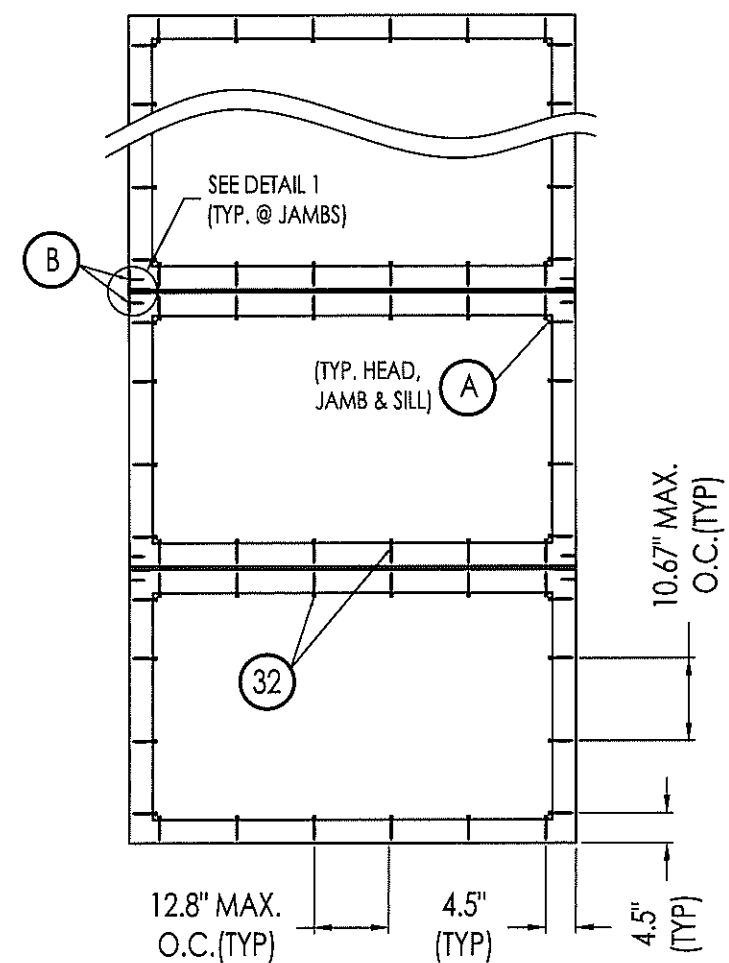
FRAME ANCHORING
SINGLE UNIT



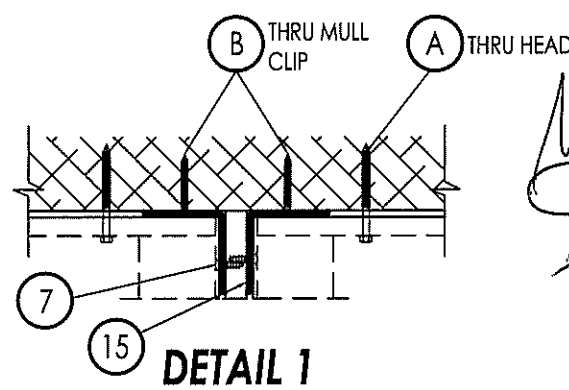
VIEW AA ANCHORING LOCATIONS
SNUBBER CENTERLINES
VIEW BB ANCHORING LOCATIONS
TIE BAR GUIDE,
LATCH PIN & LOCK CENTERLINES



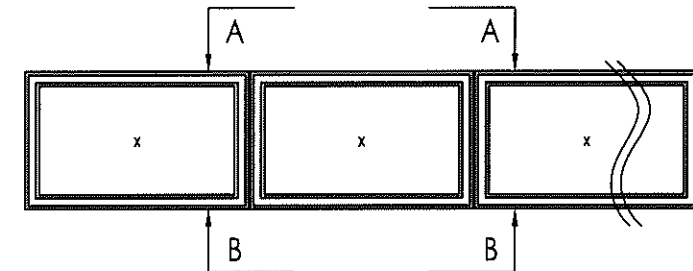
FRAME ANCHORING
MULLER UNIT



FRAME ANCHORING
STACKED MULLER UNIT



DETAIL 1



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 318, EDGE DISTANCE = 3.125" MIN., EMBEDMENT = 1.25" MIN., CL = 3.75" MIN.	Tapcon Plus
(B)	1/4" CONCRETE SCREW	CONCRETE = 3,192 PSI MIN, CONFORMING TO ACI 318, EDGE DISTANCE = 2.5" MIN., EMBEDMENT = 1.25" MIN., CL = 2.75" MIN.	Tapcon Plus

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PRODUCT: 300V PROJECT OUT WINDOW

PART OR ASSEMBLY: FRAME ANCHORING

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1	09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
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3	03/05/16	UPDATE TO 2014 FBC	CO
4	09/27/13	UPDATE TO 2010 FBC	CO
5	NO	REVISIONS	

DATE: 03/05/16

SCALE: NA

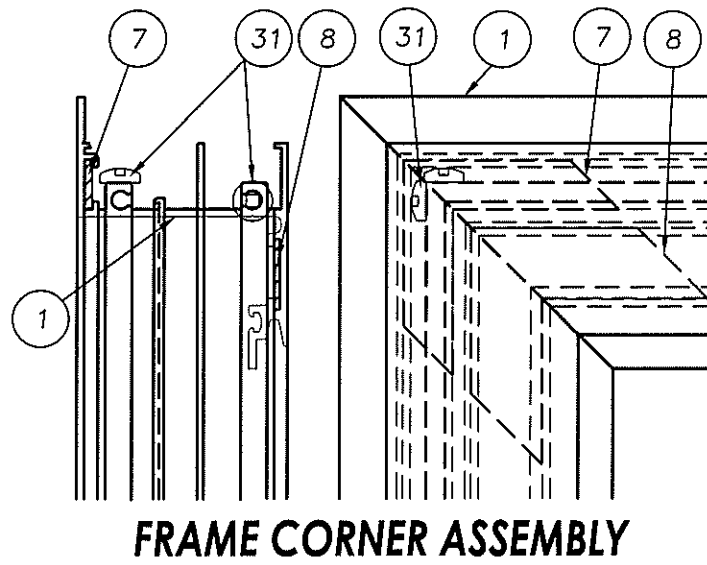
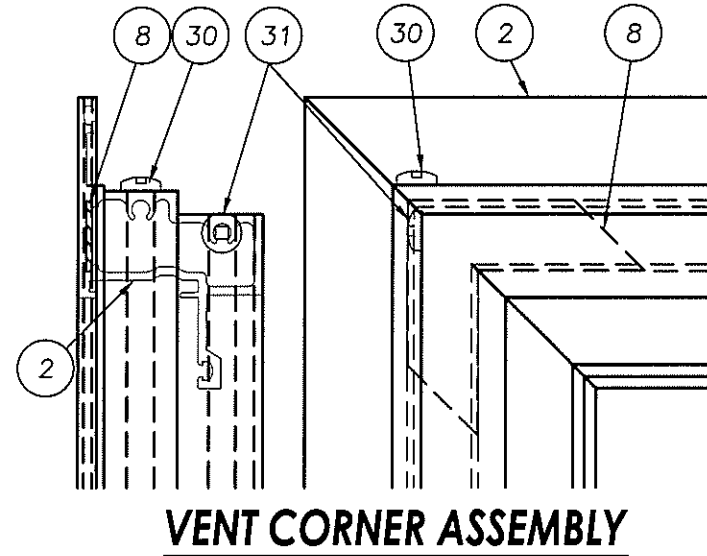
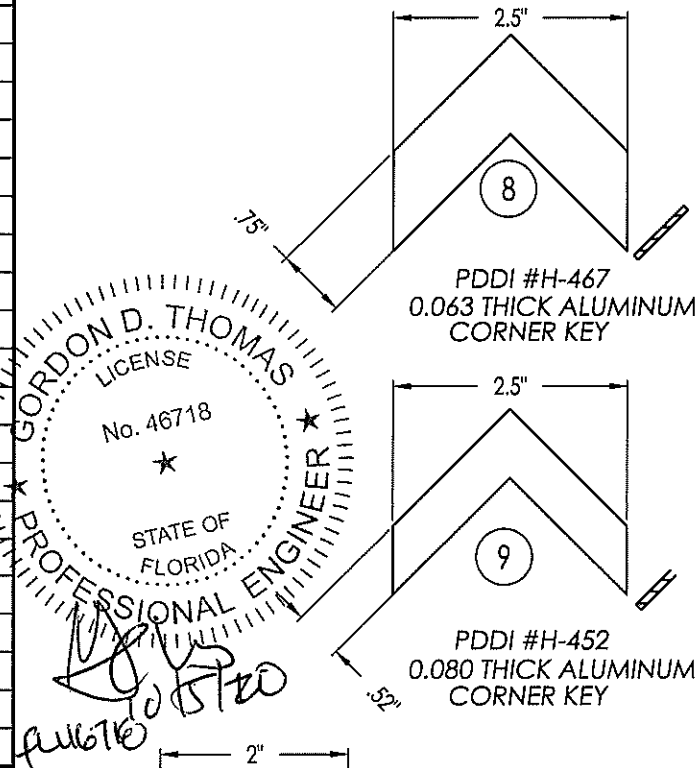
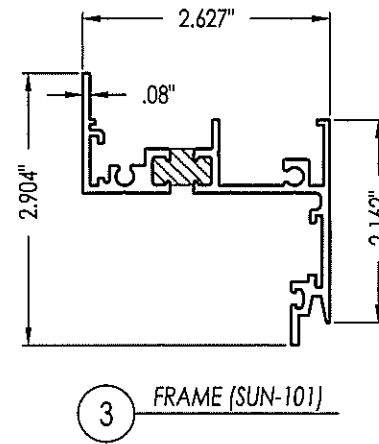
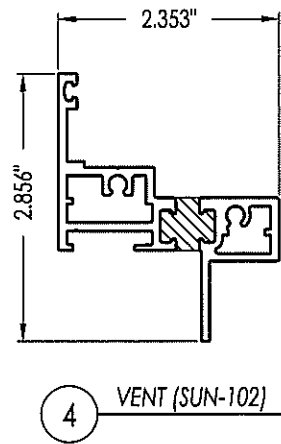
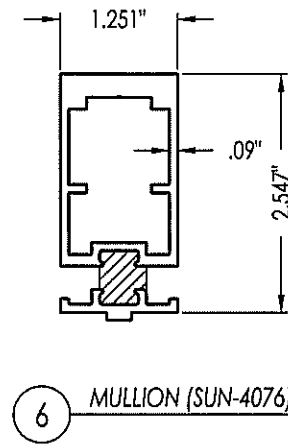
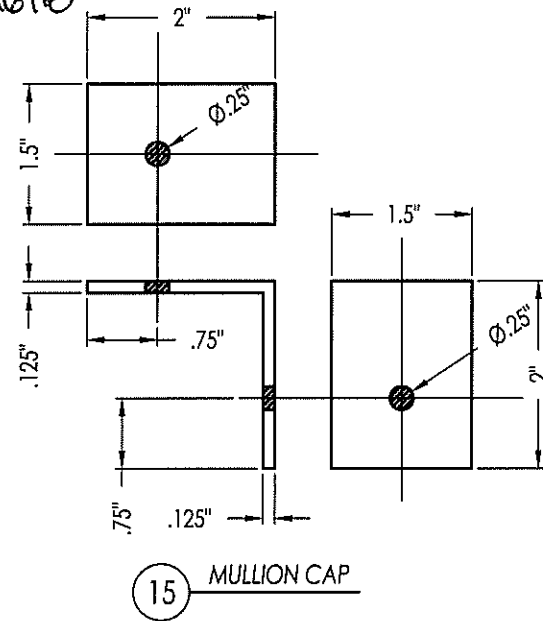
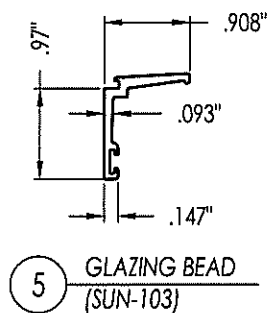
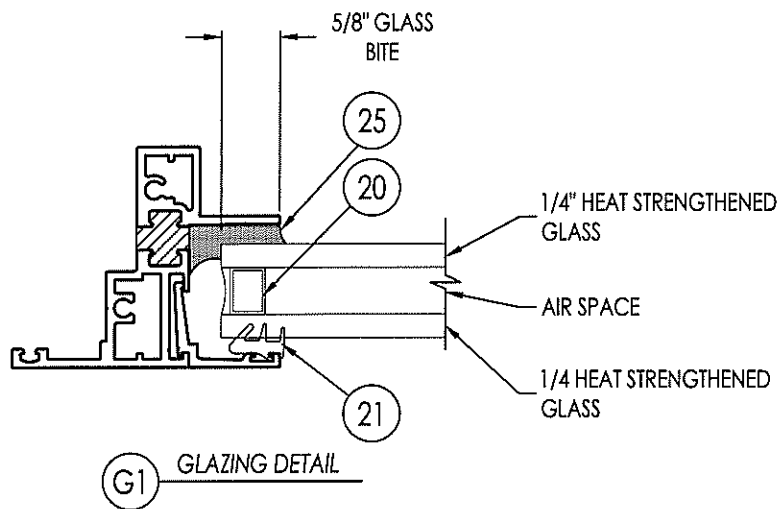
DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-9291.5

SHEET: 4 OF 5

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	ANCHOR—SEE ANCHOR ELEVATION SHEET	-
B	ANCHOR—SEE ANCHOR ELEVATION SHEET	-
C	1/4" SHIM SPACE	-
3	FRAME (#SUN 101)	6063-T6 ALUM
4	VENT (#SUN 102)	6063-T6 ALUM
5	GLAZING BEAD (#SUN 103)	6063-T6 ALUM
6	MULLION (#SUN 276)	6063-T6 ALUM
7	#14 X 3/4" SMS	STEEL
8	.063" CORNER KEY (H-467)	3003 ALUM
9	.080" CORNER KEY (H-452)	3003 ALUM
10	SNUBBER	STEEL
11	SNUBBER	STEEL
12	THERMAL BREAK	POLYURETHANE
14	SETTING BLOCK 1/4" X 1" X 4" LONG (@ 1/4 POINTS)	SILICONE
15	MULLION CAP	6063-T6 ALUM
16	1/4" X 1-3/4" PFH SMS	STEEL
17	LOCK ASSEMBLY W/ FRAME GASKET (TRUTH)	ZAMAK
18	TIE BAR ASSEMBLY (TRUTH)	PLTED STL.
19	TIE BAR GUIDE (TRUTH)	NYLON
20	1/2" GLASS SPACER	ALUM
21	EXTRUDED 70 DURO. EPDM BULB GASKET (TR12911E)	EPDM
22	FRAME BULB SEAL (TR-4392P)	EPDM
23	VENT BULB SEAL (TR-13100P)	PEROX. EPDM
24	OPERATOR (TRUTH)	ZAMAK
25	STRUCTURAL SILICONE (TREMCO TREMSIL 600)	SILICONE
30	#12 X 5/8" Sq.Dr. PH SSSMS	STAINLESS
31	#12 X 1 1/4" Sq.Dr. PH SSSMS	STAINLESS
32	#10 X 2" PPH SMS	STEEL
37	CRANK (TRUTH)	ZAMAK



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PRODUCT: 300V PROJECT OUT WINDOW

PART OR ASSEMBLY: BOM & COMPONENTS

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3	09/03/19	UPDATE TO 2017 FBC	ECV
4	09/21/20	UPDATE TO 7TH ED. (2020) FBC	JOB

DATE: 03/05/16

SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.: FL-9291.5

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