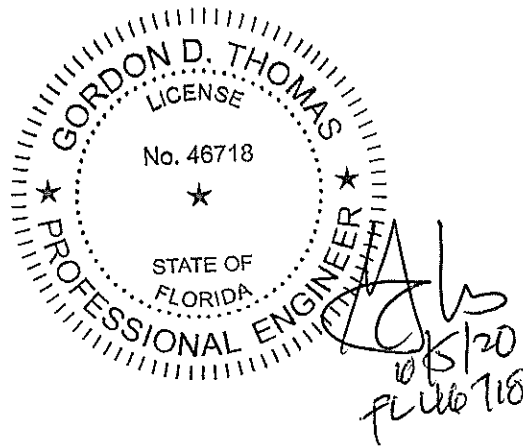
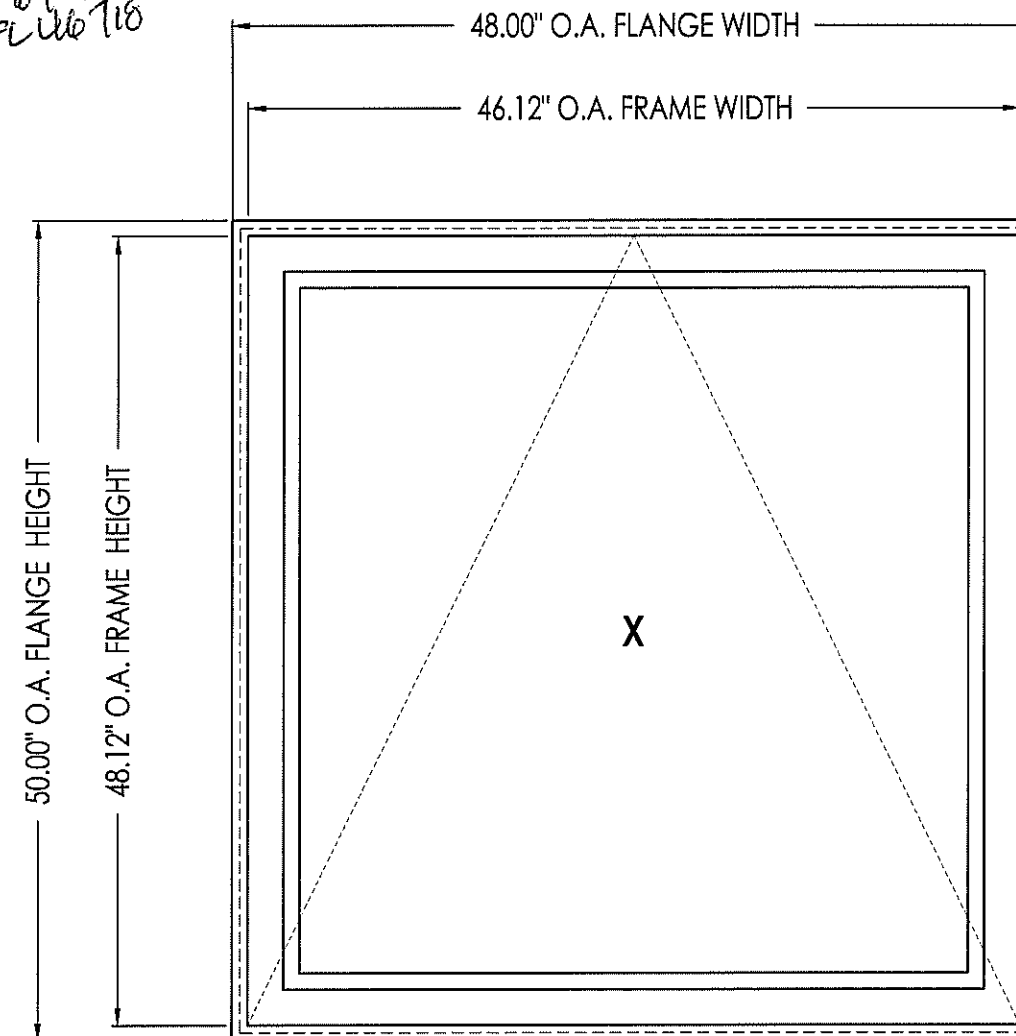




1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 1609.1.2 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 elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Frame anchoring
4	Bill of materials & components



OVERALL FLANGE DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
48.00" x 50.00"	46.12" x 48.12"	39.9" x 41.88"	G2	+ 98.0	- 100.0

5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



This drawing and the contents thereon 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:
250V PROJECT OUT WINDOW

PART OR ASSEMBLY:

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

DATE: 03/05/16

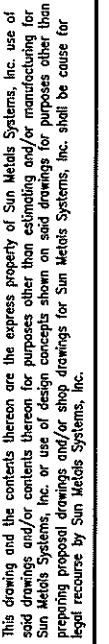
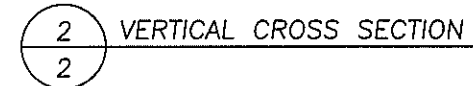
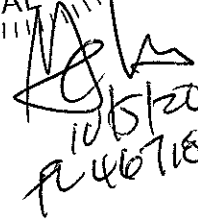
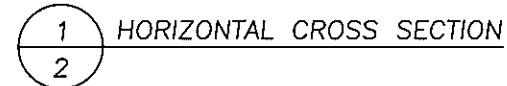
SCALE: NA

DWG. BY: CO

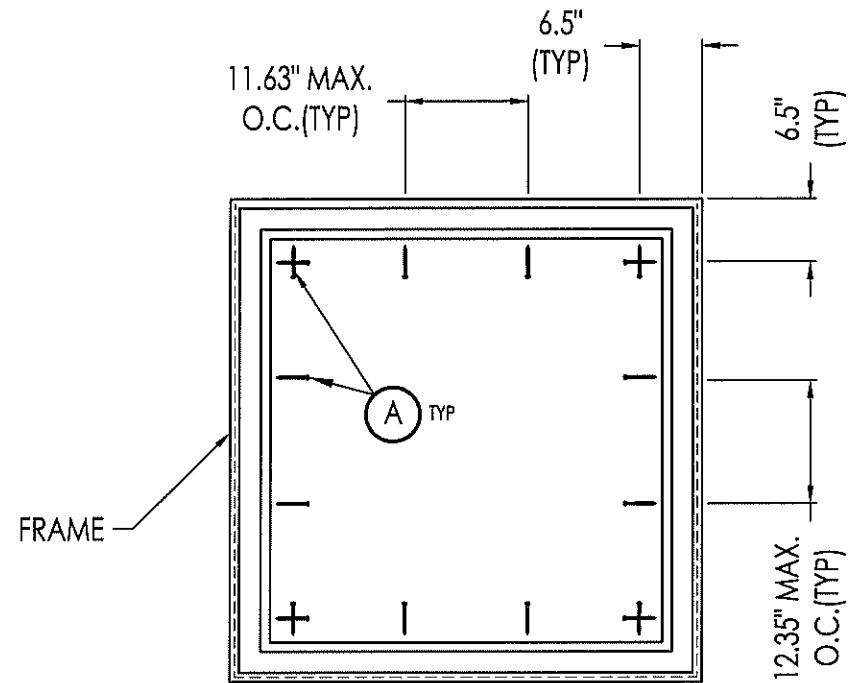
CHK BY: ECV

DRAWING NO.:
FL-9291.4

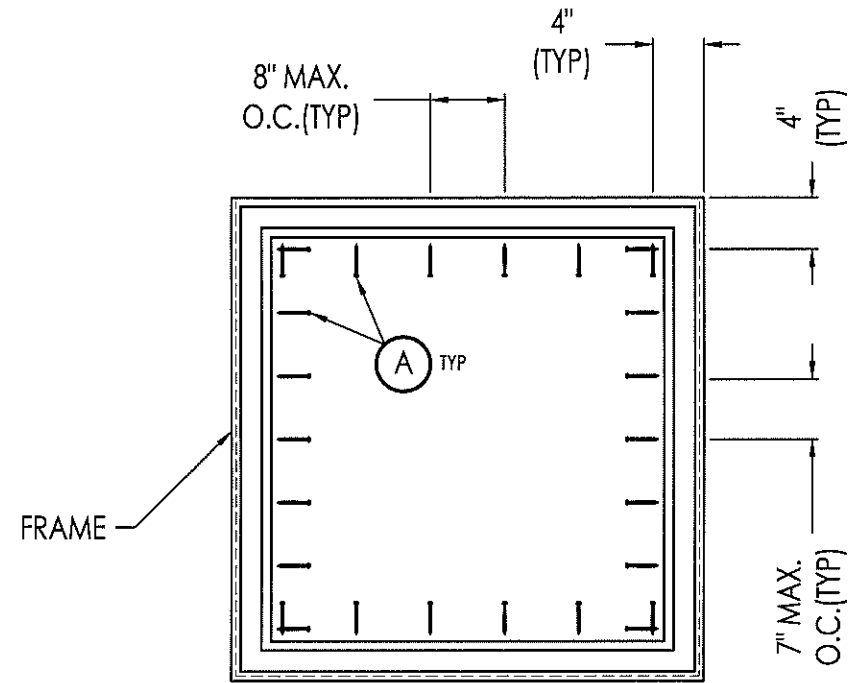
SHEET: **1** OF **4**



PRODUCT:		250V PROJECT OUT WINDOW		PART OR ASSEMBLY:		CROSS SECTIONS	
△	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			
△	09/27/13	UPDATE TO 2010	FBC	CO			
NO	DATE	DESCRIPTION	BY				
				REVISIONS			
DATE: 03/05/16							
SCALE: NA							
DWG. BY: CO							
CHK BY: ECV							
DRAWING NO.: FL-9291.4							
SHEET: 2 OF 4							

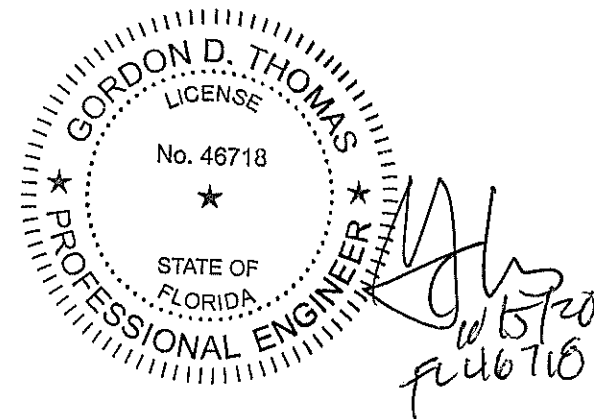


FRAME ANCHORING
DP <= 65 PSF.



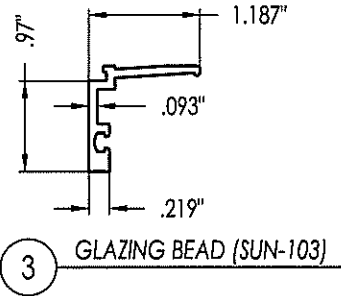
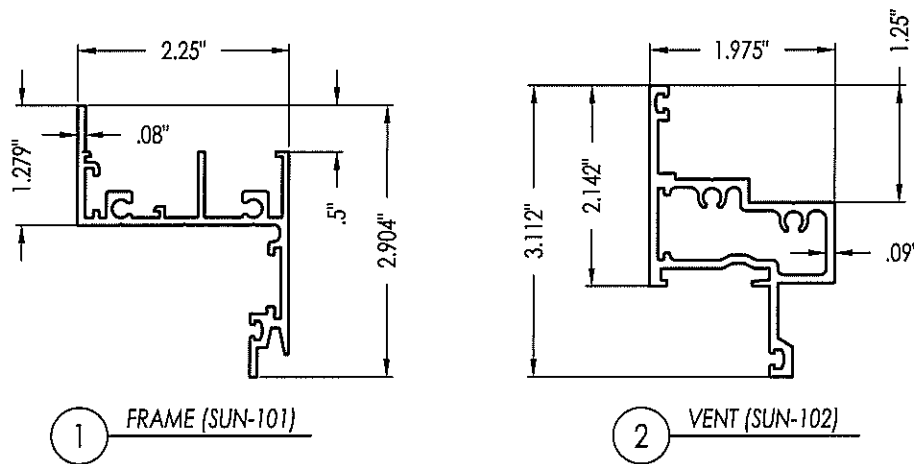
FRAME ANCHORING
65 PSF. < DP <= 100 PSF.

APPROVED ANCHOR SCHEDULE			
ANCHOR		DESCRIPTION	MANUFACTURER
(A)	#24 WOOD SCREW	MAIN MEMBER SG = .55 MIN., EDGE DISTANCE = 1.5" MIN., EMBEDMENT = 2.375" MIN., CL = 2" MIN.	N/A
(A)	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 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

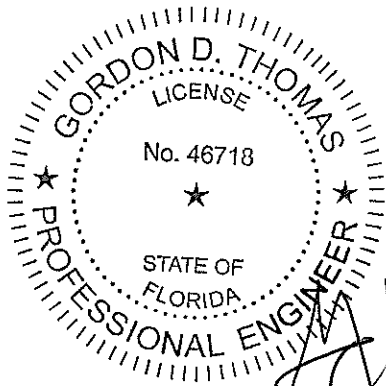
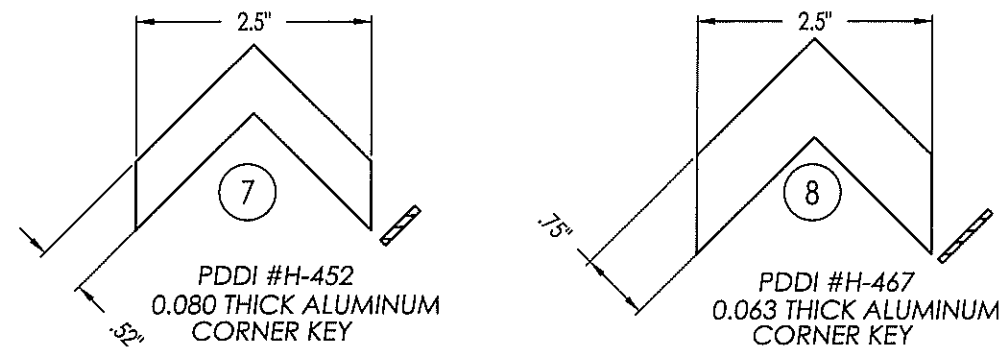


5008 TAMPA WEST BLVD. TAMPA, FLORIDA 33634 PHONE: (813) 889-0718 FAX: (813) 886-0666 This drawing and the contents thereon are the express property of Sun Metals Systems, Inc. Use of said drawings and/or contents thereon for purposes other than estimating and/or manufacturing for Sun Metals Systems, 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:	250V PROJECT OUT 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
09/27/13	UPDATE TO 2010 FBC	CO
NO	REVISIONS	
DATE: 03/05/16		
SCALE: NA		
DWG. BY: CO		
CHK BY: ECV		
DRAWING NO.: FL-9291.4		
SHEET: 3 OF 4		

ALUMINUM EXTRUSIONS

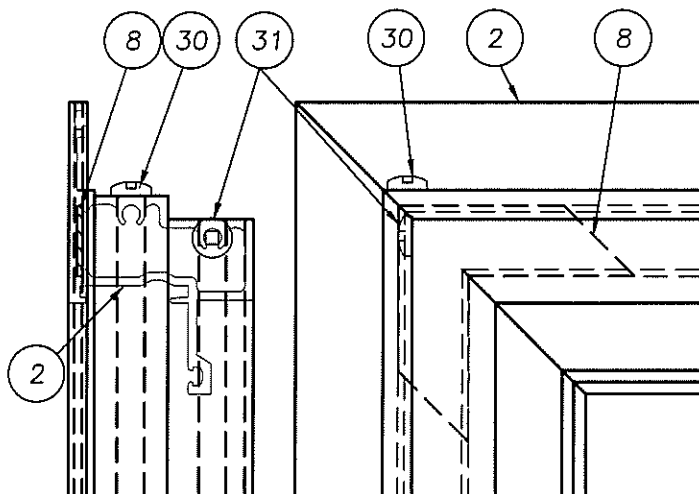
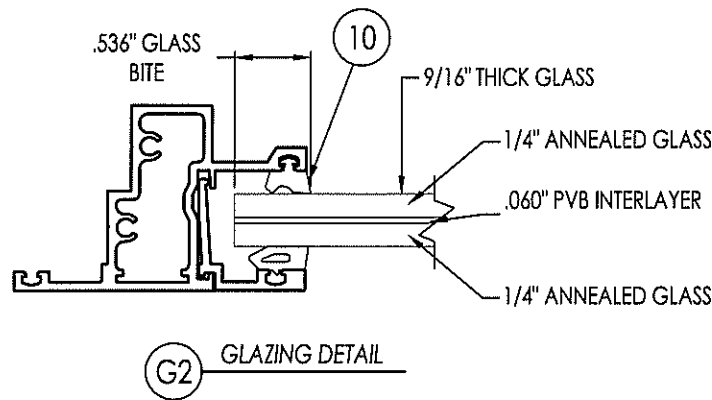
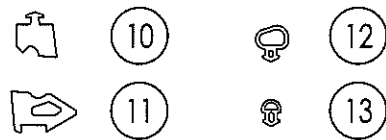


COMPONENTS

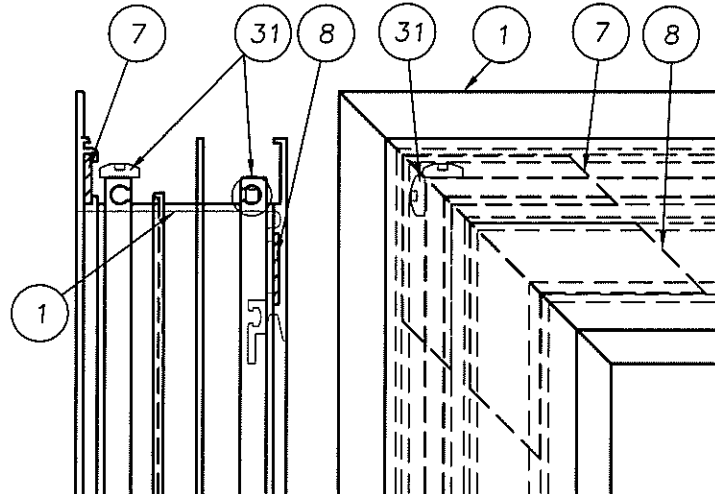


BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	ANCHOR—SEE ANCHOR ELEVATION SHEET	-
B	1X BUCK, SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
1	FRAME (#SUN 101)	6063-T6 ALUM
2	VENT (#SUN 102)	6063-T6 ALUM
3	GLAZING BEAD (#SUN 103)	6063-T6 ALUM
5	SNUBBER	STEEL
6	SNUBBER	STEEL
7	.080" CORNER KEY (H-452)	3003 ALUM
8	.063" CORNER KEY (H-467)	3003 ALUM
10	INTERIOR GLAZING SPONGE (TR-6142N)	NEOPRENE
11	EXTERIOR GLAZING WEDGE (TR-1000E)	EPDM
12	FRAME BULB SEAL (TR-4392P)	EPDM
13	VENT BULB SEAL (TR-13100P)	PEROX. EPDM
14	SETTING BLOCK 1/4" X 3/4" X 4" LONG (@ 1/4 POINTS)	SILICONE
17	4 BAR HINGE (TRUTH)	STAINLESS
18	LOCK ASSEMBLY W/ FRAME GASKET (TRUTH)	ZAMAK
19	SUPPORT PLATE	PLATED STL.
20	TIE BAR ASSEMBLY (TRUTH)	PLATED STL.
21	TIE BAR GUIDE (TRUTH)	NYLON
22	KEEPER (TRUTH)	PLATED STL.
23	OPERATOR (TRUTH)	ZAMAK
25	#8 X 1/2" PPH SSSMS	STAINLESS
26	#8 X 3/4" PPH UNDERCUT SSSMS	STAINLESS
27	#10 X 2" PPH SSSMS	STAINLESS
28	#10-24 X 9/16" T/F PPH MS (#19298.92)	PLATED STL.
29	#10 X 1/2" Sq.Dr. PH SSSMS	STAINLESS
30	#12 X 5/8" Sq.Dr. PH SSSMS	STAINLESS
31	#12 X 1 1/4" Sq.Dr. PH SSSMS	STAINLESS
32	SEAM SEALER (#SM5504)	ACRYLIC
34	PERIMETER SEALANT (SPECTREM 2)	SILICONE
37	CRANK (TRUTH)	ZAMAK

GASKETS, SEALS & WEDGES



VENT CORNER ASSEMBLY



FRAME CORNER ASSEMBLY

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 those estimated 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:
250V PROJECT OUT 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	09/27/13	UPDATE TO 2010 FBC	CO

DATE: 03/05/16
SCALE: NA
DWG. BY: CO
CHK BY: ECV
DRAWING NO.:
FL-9291.4
SHEET: 4 OF 4