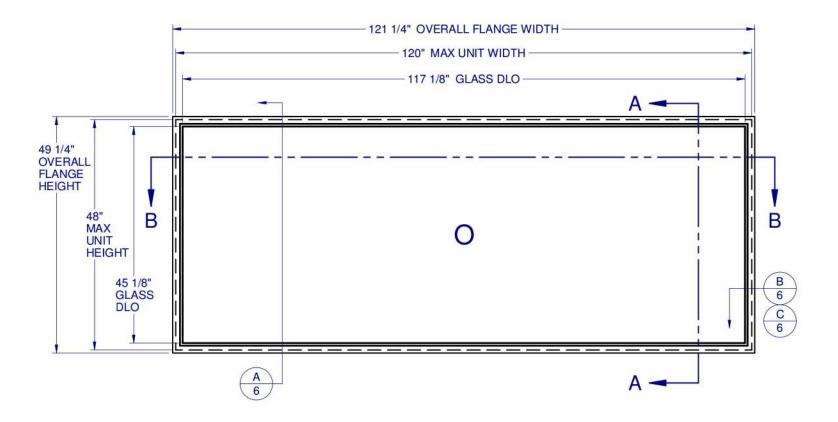
PICTURE WINDOW - LARGE MISSILE IMPACT



GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRINCANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
- 2. GLAZING OPTIONS: (SEE SHEET 3)
- 3. CONFIGURATIONS: "O". ARCHITECTURAL SHAPES INCLUDE, BUT ARE NOT LIMITED TO, THOSE SHOWN ON SHEET 2.
- 4. DESIGN PRESSURE RATING:
 - -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04.
 - -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04.
- 5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
- 7. ALL FRAMES ARE FULLY WELDED.
- 8. SERIES / MODEL DESIGNATION PW-8300.
- THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
 O = FIXED SASH.
- 10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

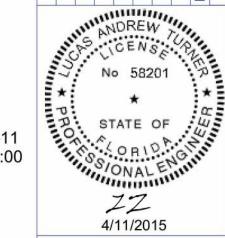
Lucas A. Turner 2015-04-11 15:06-04:00

CUSTOMO WINDOW SYSTEMS 1900 SW 44TH AVE.

1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC

8300 PVC PICTURE WINDOW IMPACT

			03/30/15	ADE 11/08/11	DATE:	
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			UPDATED PER 2014 FBC	UPDATED PER 2010 FBC	NO.: DESCRIPTION:	REVISIONS
			В	A	NO	



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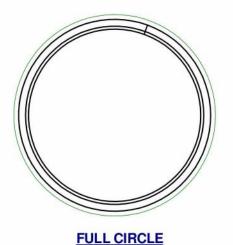
GENERAL NOTES AND ELEVATIONS

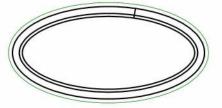
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ADE	05/05/07
DWG #:	REV.:
CWS-373	В
SCALE:	SHEET
1:20	1 OF 6

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GENERAL NOTES & ELEVATIONS	1
ARCHITECTURAL SHAPES	2
SECTION VIEWS & GLAZING	3
EXTRUSIONS & B.O.M	4
ANCHOR SCHEDULE & NOTES	5
INSTALLATION DETAILS	6

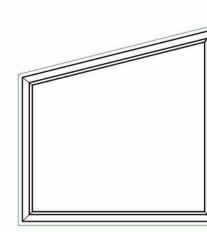
MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
120" X 48"	+/- 70 PSF	LARGE MISSILE IMPACT



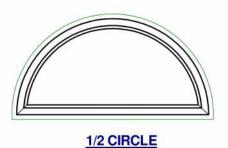


FULL ELLIPSE ("OVAL")

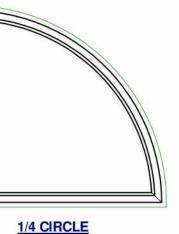
TOMBSTONE

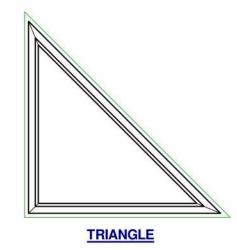


TRAPEZOID









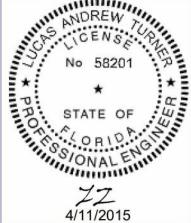


- 1. SEE SHEET 5 FOR DETAILED ANCHOR INSTALLATION REQUIREMENTS.
- 2. THRU FRAME MASONRY, WOOD OR METAL OPENING.
- 3. OVERALL SIZE MUST NOT EXCEED THE MAX. WIDTH AND HEIGHT OF RECTANGULAR WINDOW ON SHEET 1.
- 4. ANCHOR SPACING FOR ARCHITECTUAL FLANGE WINDOWS MUST FOLLOW THE LAYOUT SHOWN ON SHEET 5, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.



8300 PVC PICTURE WINDOW IMPACT

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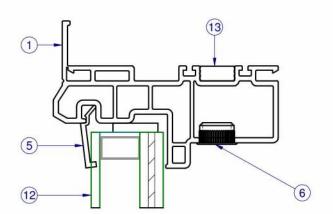


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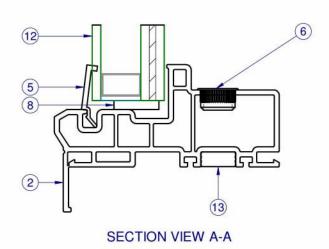
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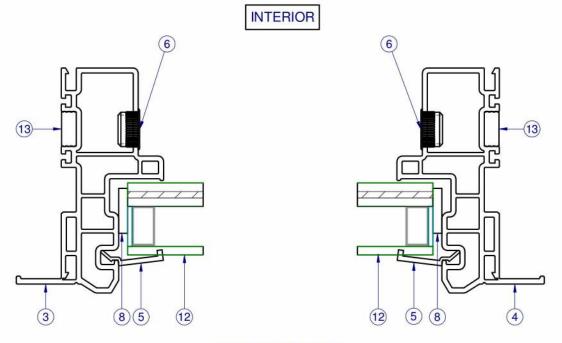
ARCHITECTURAL SHAPES

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ADE	05/05/07
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CWS-373	В
SCALE:	SHEET
1:1	2 OF 6

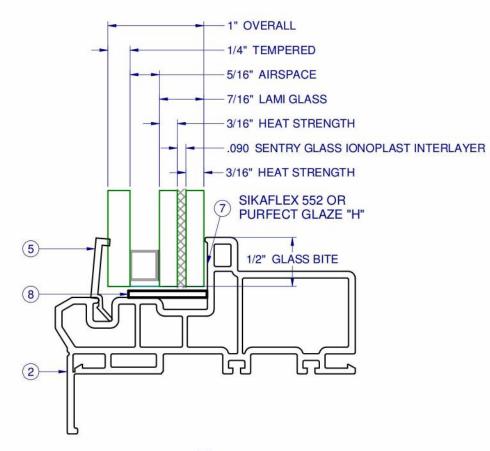


INTERIOR





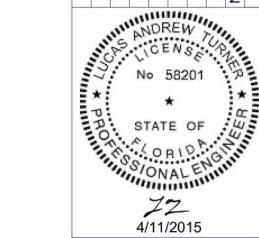
SECTION VIEW B-B





8300 PVC PICTURE WINDOW IMPACT

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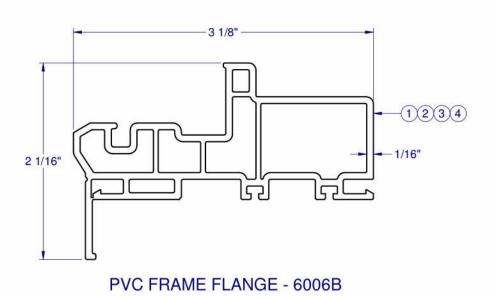
LUCAS A. TURNER, P.E. FL PE # 58201 1239 JABARA AVE. NORTH PORT, FL 34288 PH. 941-380-1574

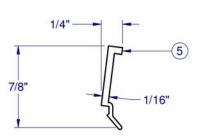
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SECTION VIEWS & GLAZING DETAIL

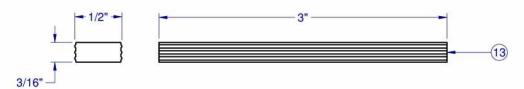
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CWS-373	В
1:1.33	SHEET 3 OF 6

	PARTS LIST					
ITEM	PART#	DESCRIPTION	VENDOR	MATERIAL		
1	H-6006B	Fr., PW, Main, Head	Mikron	PVC		
2	H-6006B	Fr., PW, Main, Sill	Mikron	PVC		
3	H-6006B	Fr., PW, Main, L. Jb.	Mikron	PVC		
4	H-6006B	Fr., PW, Main, R. Jb.	Mikron	PVC		
5	S-6064	Glazing Bead (1" O.A. I.G.)	Mikron	PVC		
6	P-3752	Cap Plug, 1/2" Hole	M&M	Nylon		
7		Purfect Glaze "H", SikaFlex 552	Henkel / Sika	Silicone		
8	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	Frank Lowe	Rubber		
9	P-3684	PW-8300 Gold Cert. Label, NFRC Tab				
10	P-3881	Temporary Lbl. (NFRC/DP)				
11	P-3613	CWS Lbl. (logo)				
12	GLASS	SEE SHEET 3	Cardinal	Glass		
13	P-3113	Screw Support for PVC	Team Plastic	Rubber		

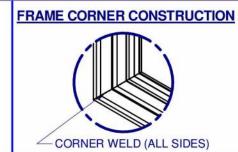




PVC GLAZING BEAD - 6064



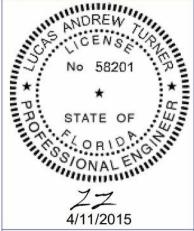
SCREW SUPPORT - 3113





8300 PVC PICTURE WINDOW IMPACT

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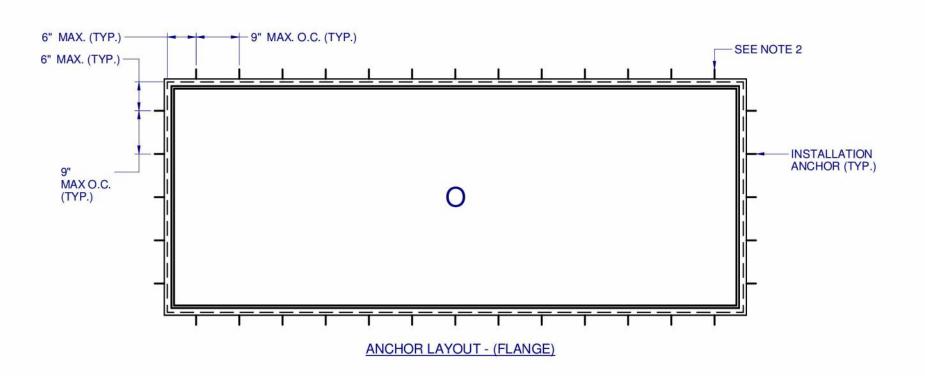


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SHEET DESCRIPTION:

BOM AND EXTRUSIONS

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ADE	05/05/07
DWG #:	REV.:
CWS-373	В
SCALE:	SHEET
1:1	4 OF 6



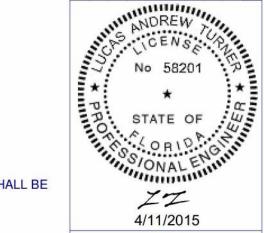
NOTES:

- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. ANCHOR SPACING APPLIES TO ALL SHAPES (SEE SHEET 2) ALONG ALL FRAME EDGES. SILL ANCHOR SPACING SAME AS HEAD.
- 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
- 3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 6.
- 4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
- 5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 6.
- 6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQURE 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
- 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3" FOR MASONRY, 1" FOR WOOD AND METAL.
- 8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1, SHEET 6. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
- 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS: FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)



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SHEET DESCRIPTION:

ANCHOR SCHEDULE & NOTES

DATE:
05/05/07
REV.:
В
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TYPICAL HEAD ANCHORAGE MIN. EDGE DIST. SEE TABLE 1 SUBSTRATE BY OTHERS SEE TABLE 1 MIN. EMBEDMENT SEE TABLE 1 PERIMETER SEALANT BY INSTALLER **INSIDE AND OUT** SEALANT BEHIND FLANGE BY INSTALLER 1/4" MAX. SHIM **INSTALLATION ANCHOR** SEE TABLE 1 1/4" MAX. SHIM SEALANT BEHIND FLANGE BY INSTALLER PERIMETER SEALANT MIN. EMBEDMENT BY INSTALLER SEE TABLE 1 INSIDE AND OUT SUBSTRATE BY OTHERS

VERTICAL SECTION

TYPICAL SILL ANCHORAGE

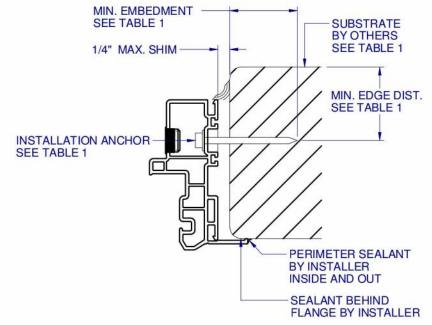
SEE TABLE 1

SEALANT UNDER SCREW

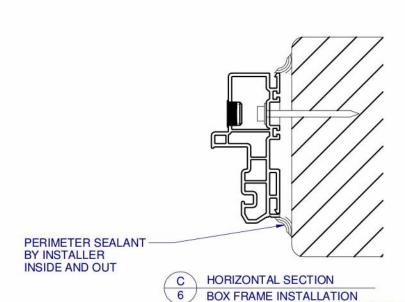
HEAD BY INSTALLER

70 TO A TO	ROVED INSTALLATION FASTENE		MINI EDGE DIGT	
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST	
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"	
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"	
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"	
GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"	
2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"	
2X MIN. SOUTHERN FINE (G=0.55)	OR ELCO ULTRACON		7/0	
2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"	
16 GAUGE (0.060") MIN. STEEL STUD	#10-16 HILTI KWIK-FLEX OR ITW	FULL THREAD	JLL THREAD 7/16"	
(33 KSI YIELD MIN)	TEKS SELF-DRILLING SCREW	THRU 0.060"	7/16"	
1/8" ALUM. (6063-T5 MIN.) OR	#10 GRADE 5 SELF-TAPPING /	FULL THREAD	7/40!!	
1/8" STEEL (33 KSI MIN.)	DRILLING SCREW	THRU 0.125"	7/16"	

MIN. EDGE DIST. SEE TABLE 1



HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE



FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

HEAD AND SILL SIMILAR FOR BOX INSTALLATION

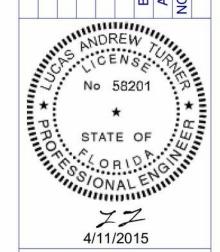
- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.



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8300 PVC PICTURE WINDOW IMPACT

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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
ADE	05/05/07
DWG #:	REV.:
CWS-373	В
SCALE:	SHEET
1:2	6 OF 6