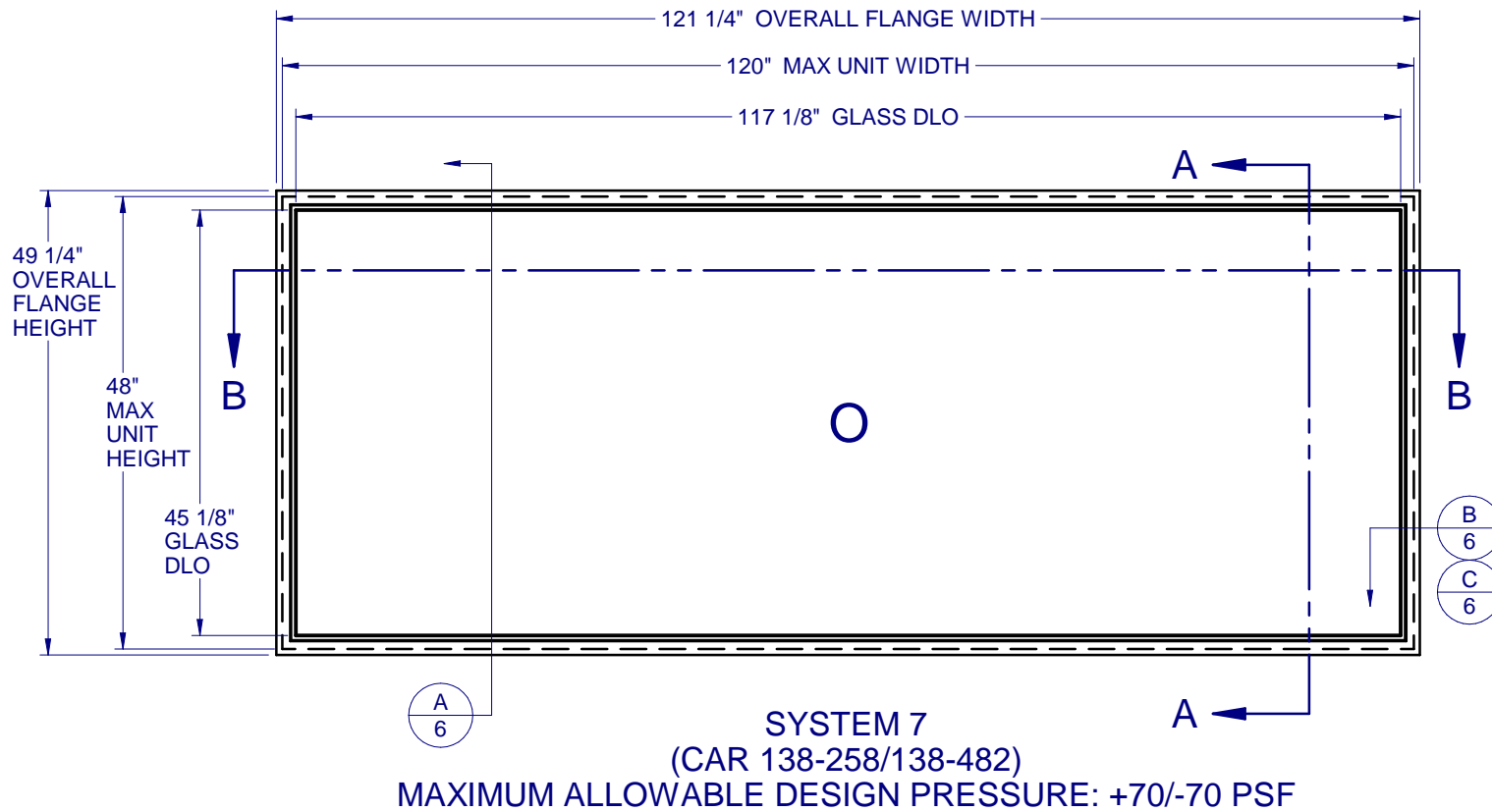


# MODEL 8300 SYSTEM 7 PICTURE WINDOW - LARGE MISSILE IMPACT



## GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC).
2. GLAZING OPTIONS: (SEE SHEET 3)
3. CONFIGURATIONS: "O". ARCHITECTURAL SHAPES INCLUDE, BUT ARE NOT LIMITED TO, THOSE SHOWN ON SHEET 2.
4. 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.
5. PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
6. ALL FRAMES ARE FULLY WELDED.
7. SERIES / MODEL DESIGNATION PW-8300.
8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:  
O = FIXED SASH.
9. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

**Custom**  
**WINDOW SYSTEMS**

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

## 8300 PVC PICTURE WINDOW IMPACT

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C	REVISED TO TDI REQUEST MS	JLD	03/23/22
B	IBC/IRC REF. 2018 UPDATE	JML	4/27/20
A	REVISED TO TDI REQUEST	JML	3/29/17



4/1/2022

LUCAS A. TURNER, P.E.  
TX PE # 115094  
2428 OLD NATCHEZ TRC TRL  
CAMDEN, TN 38320  
PH. 941-380-1574

SHEET DESCRIPTION:

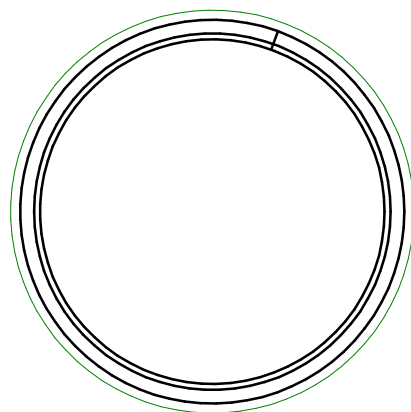
### GENERAL NOTES AND ELEVATIONS

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EMK	11/12/15
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TDI-373	C
SCALE:	SHEET
1:20	1 OF 6

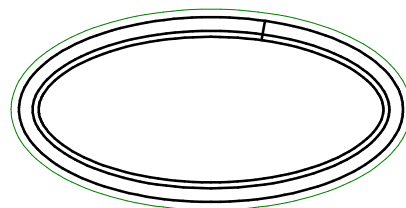
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SECTION VIEWS & GLAZING.....	3
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INSTALLATION DETAILS.....	6

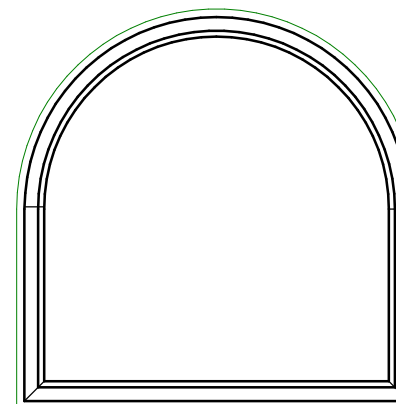
**8300 PVC  
PICTURE WINDOW  
IMPACT**



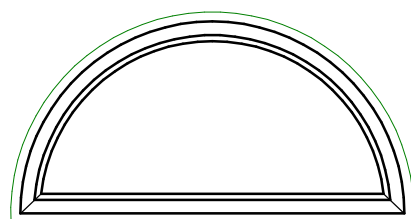
FULL CIRCLE



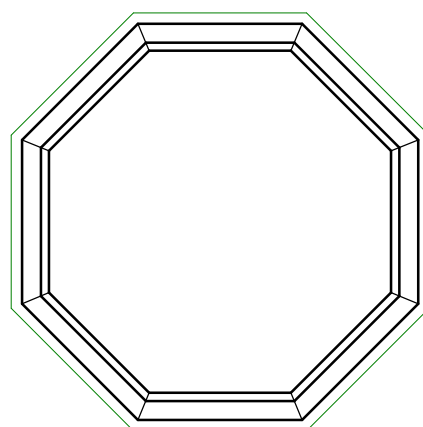
FULL ELLIPSE ("OVAL")



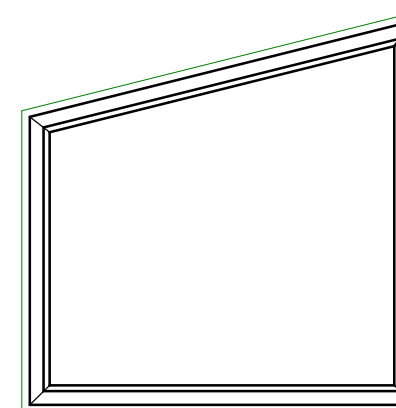
TOMBSTONE



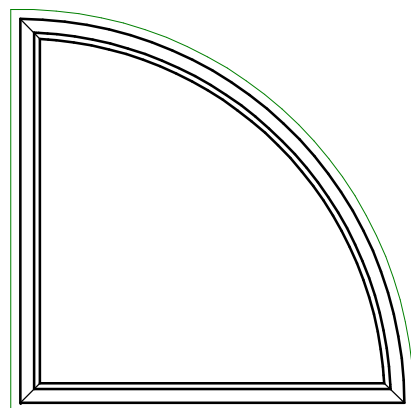
1/2 CIRCLE



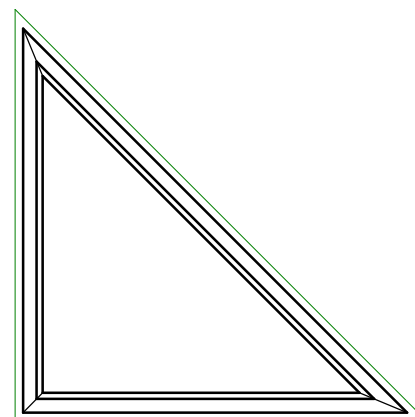
OCTAGON



TRAPEZOID



1/4 CIRCLE



TRIANGLE

NOTES:

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 ARCHITECTURAL FLANGE WINDOWS MUST FOLLOW THE LAYOUT SHOWN ON SHEET 5, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.

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SHEET DESCRIPTION:

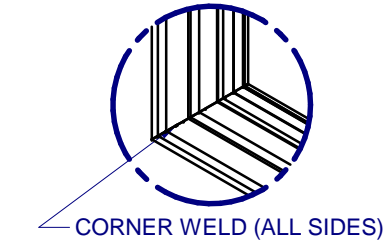
**ARCHITECTURAL  
SHAPES**

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PARTS LIST			
ITEM	PART #	DESCRIPTION	MATERIAL
1	H-6232	Fr., PW, Main, Head	PVC
2	H-6232	Fr., PW, Main, Sill	PVC
3	H-6232	Fr., PW, Main, L. Jb.	PVC
4	H-6232	Fr., PW, Main, R. Jb.	PVC
5	S-6237	Glazing Bead	PVC
6	S-6233	Trim Cover	PVC
7		Purfect Glaze "H", SikaFlex 552	Silicone
8	P-5615	Set. Blk., 85 Dur., 1/8" x 1" x 2" Lg.	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	Glass

**FRAME CORNER CONSTRUCTION**

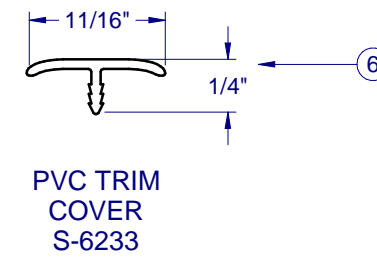
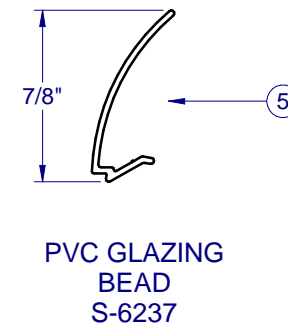
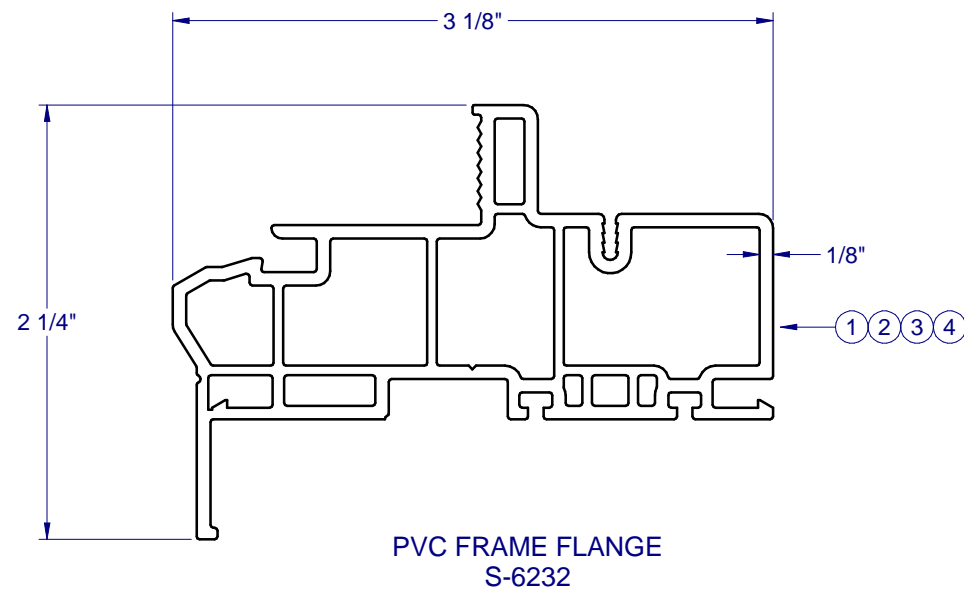


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**8300 PVC  
PICTURE WINDOW  
IMPACT**

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**REVISIONS**



4/1/2022

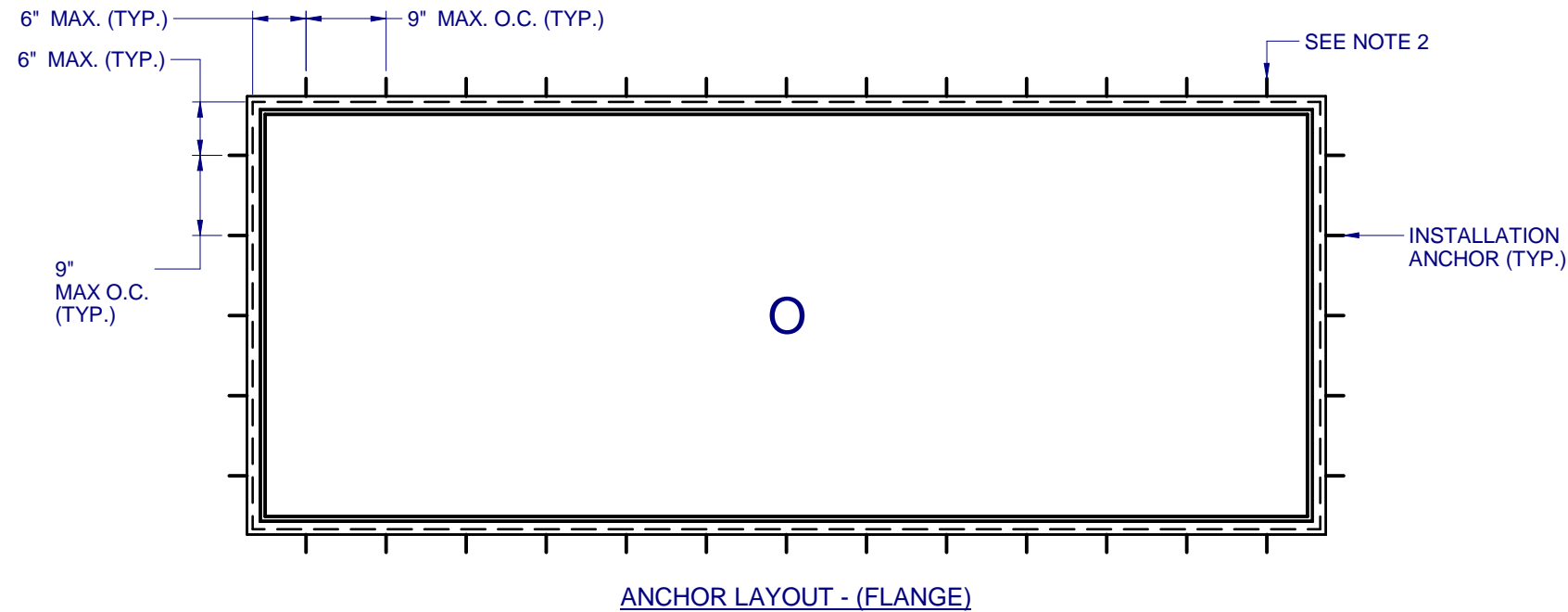
LUCAS A. TURNER, P.E.  
TX PE # 115094  
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SHEET DESCRIPTION:

**BOM AND EXTRUSIONS**

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1:1	4 OF 6

**8300 PVC  
PICTURE WINDOW  
IMPACT**



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 REQUIRE 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 TABLE 1, 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**

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DWG #: <b>TDI-373</b>	REV.: <b>C</b>
SCALE: <b>1:20</b>	<b>SHEET 5 OF 6</b>

