MODEL 8300 SYSTEM 7 PICTURE WINDOW - LARGE MISSILE IMPACT

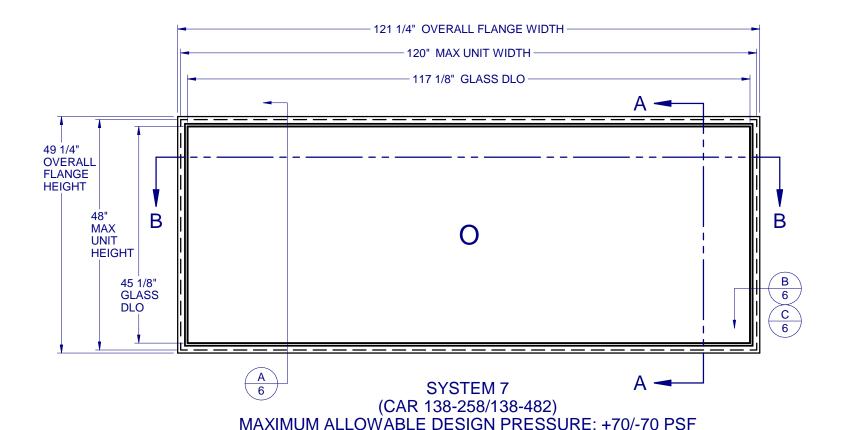


TABLE OF CONTENTS

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.



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

8300 PVC PICTURE WINDOW IMPACT

C REVISED TO TDI REQUEST MS 03/23/22 B IBC/IRC REF. 2018 UPDATE JLD 4/27/20 A REVISED TO TDI REQUEST JML 3/29/17 NO.: DESCRIPTION: BY: DATE: REVISIONS			03/23/22	4/27/20	3/29/17	DATE:	
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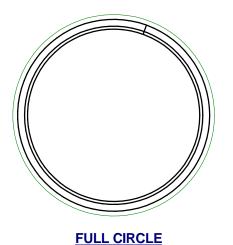
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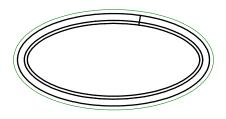
LUCAS A. TURNER, P.E. TX PE # 115094 2428 OLD NATCHEZ TRC TRL CAMDEN, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

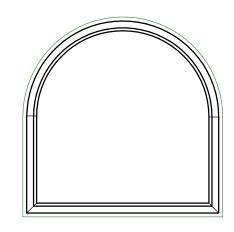
GENERAL NOTES AND ELEVATIONS

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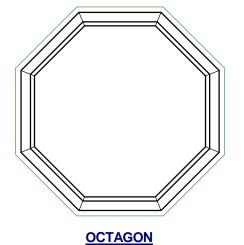


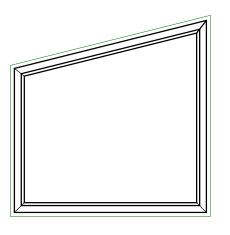


FULL ELLIPSE ("OVAL")

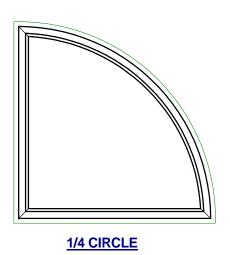


TOMBSTONE

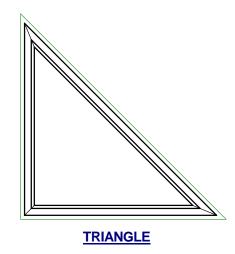




TRAPEZOID



1/2 CIRCLE





- 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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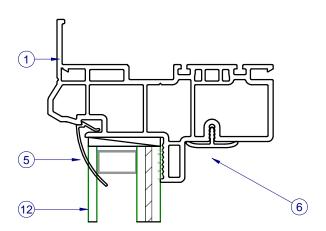
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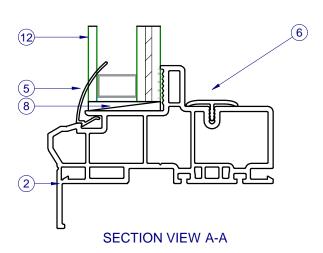
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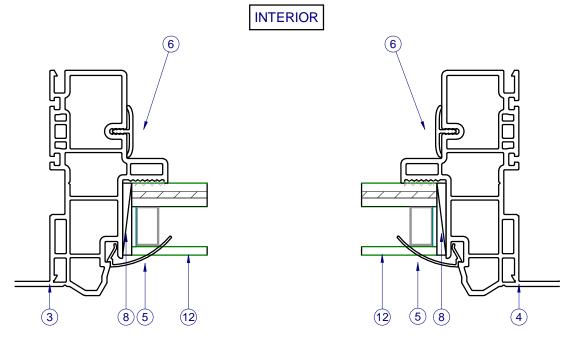
ARCHITECTURAL SHAPES

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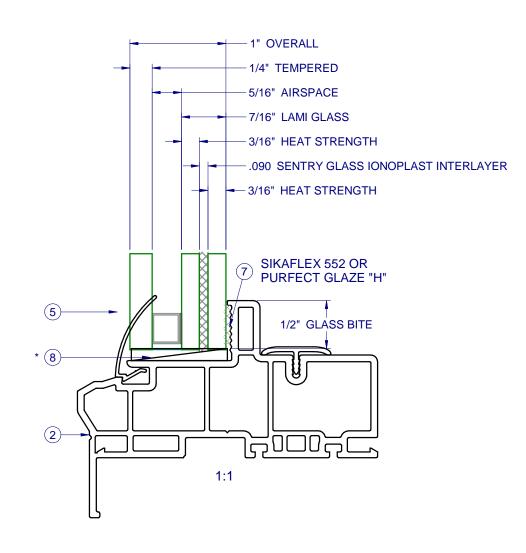


INTERIOR





SECTION VIEW B-B





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

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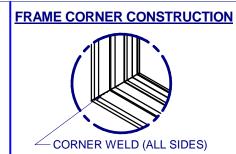
LUCAS A. TURNER, P.E. TX PE # 115094 2428 OLD NATCHEZ TRC TRL CAMDEN, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

SECTION VIEWS & GLAZING DETAIL

DRAWN BY:	DATE:
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TDI-373	С
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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						



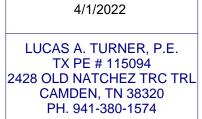


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8300 PVC PICTURE WINDOW IMPACT

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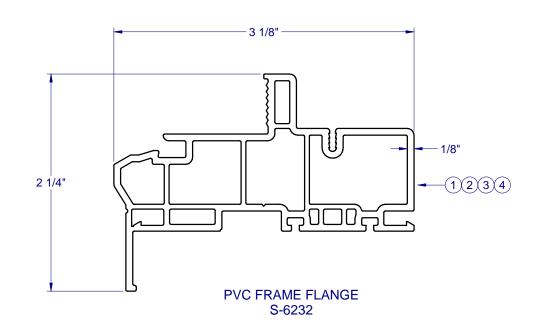


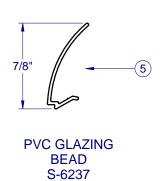


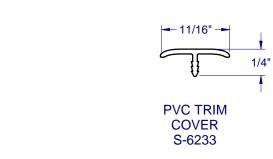
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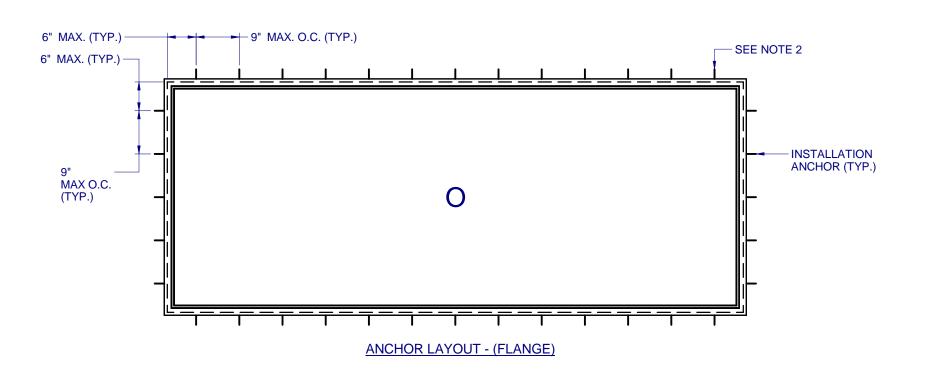
SHEET DESCRIPTION:

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

SHEET DESCRIPTION:

ANCHOR SCHEDULE & NOTES

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SUBSTRATE BY OTHERS SEE TABLE 1 MIN. EDGE DIST. SEE TABLE 1 MIN. EMBEDMENT SEE TABLE 1 PERIMETER SEALANT BY INSTALLER INSIDE AND OUT SEALANT BEHIND

INSTALLATION ANCHOR — SEE TABLE 1

FLANGE BY INSTALLER

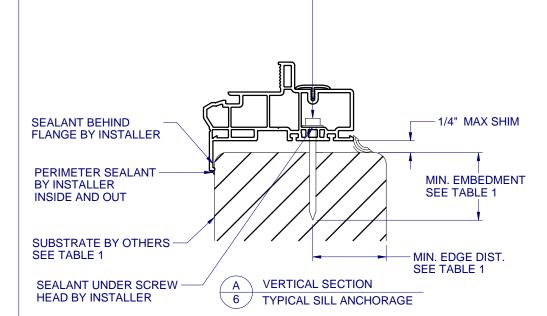
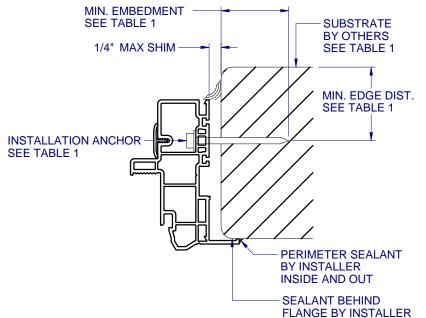


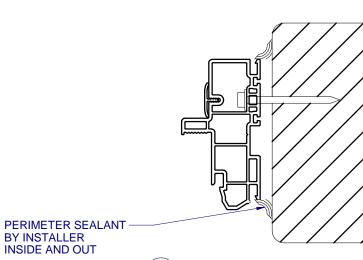
TABLE 1: APPROVED INSTALLATION FASTENERS									
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.						
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"						
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"						
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"						
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 OR ELCO ULTRACON	1-3/8"	7/8"						
2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"						
16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"						
1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"						

1/4" MAX SHIM



HORIZONTAL SECTION

TYPICAL JAMB ANCHORAGE



C HORIZONTAL SECTION

BOX FRAME INSTALLATION
HEAD AND SILL SIMILAR FOR BOX INSTALLATION

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

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

SHEET DESCRIPTION:

INSTALLATION DETAILS

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