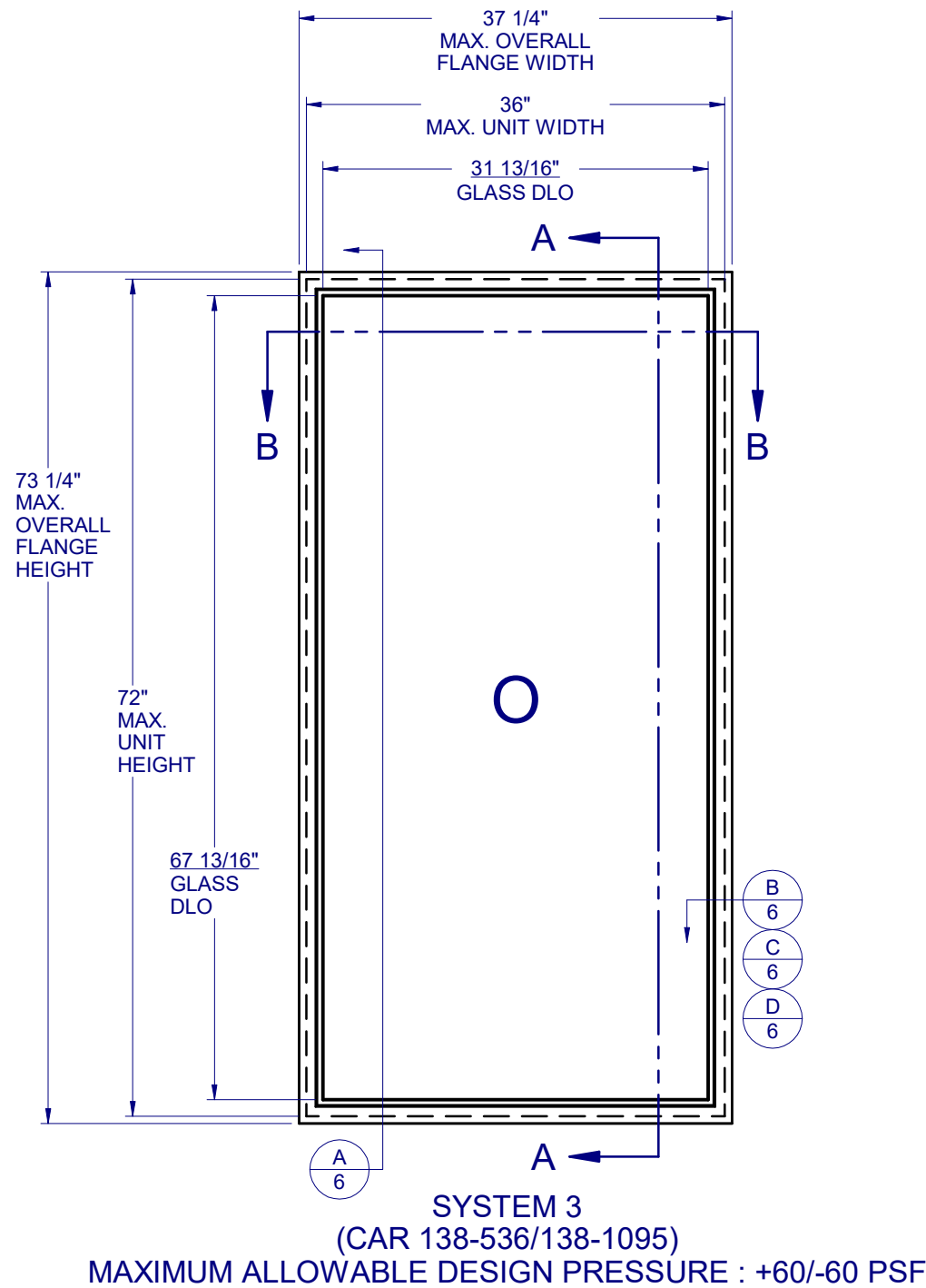


MODEL 8150 SYSTEM 3  
PICTURE WINDOW - LARGE MISSILE IMPACT



GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND 2018 INTERNATIONAL RESIDENTIAL CODE.
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-8150.
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

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8150 PVC  
PICTURE WINDOW  
IMPACT

					05/10/21	08/25/17	3/28/17	DATE:
					JLD	BLZ	JML	BY:
					UPDATED PER TDI REQ	UPDATED PER TDI REQ	REVISED TO TDI REQUEST	NO.: DESCRIPTION:
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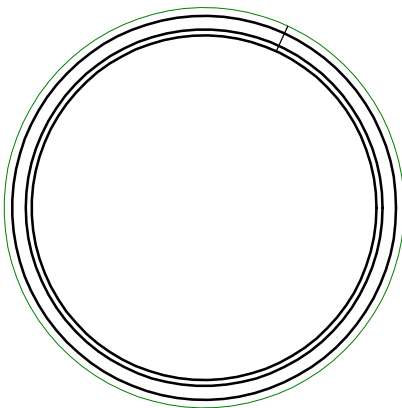
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GENERAL NOTES AND  
ELEVATIONS

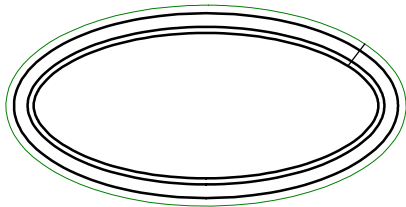
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EMK	11/12/15
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TDI-1032	C
SCALE:	SHEET
1:15	1 OF 6

TABLE OF CONTENTS

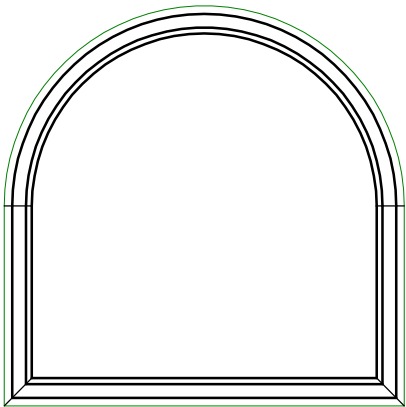
GENERAL NOTES & ELEVATIONS.....1  
ARCHITECTURAL SHAPES.....2  
SECTION VIEWS & GLAZING.....3  
EXTRUSIONS & B.O.M.....4  
ANCHOR SCHEDULE & NOTES.....5  
INSTALLATION DETAILS.....6



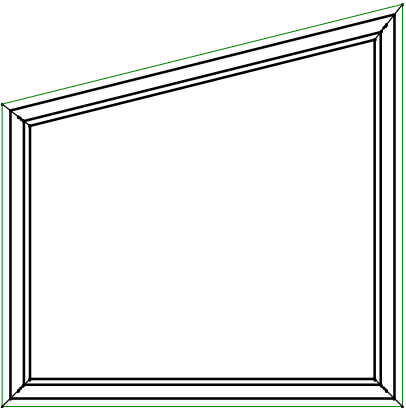
FULL CIRCLE



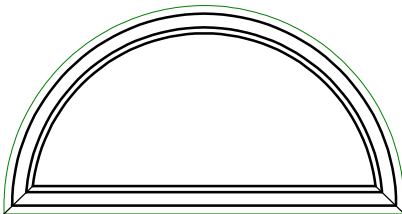
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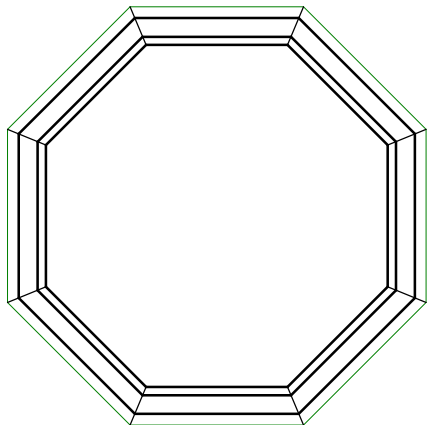
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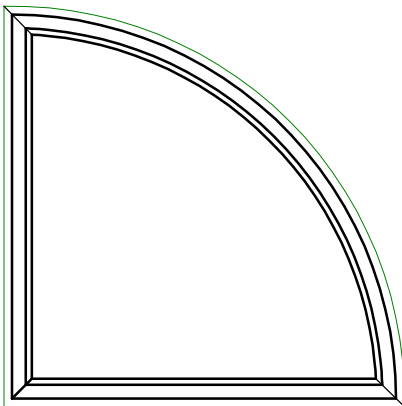
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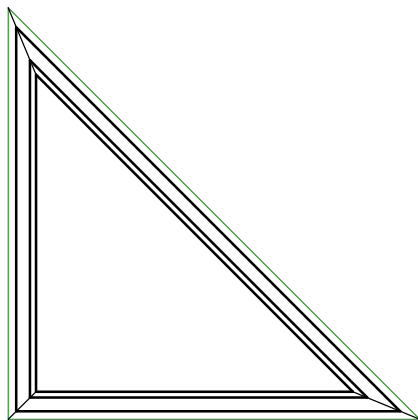
1/2 CIRCLE



OCTAGON



1/4 CIRCLE



TRIANGLE

NOTES:

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

8150 PVC  
PICTURE WINDOW  
IMPACT

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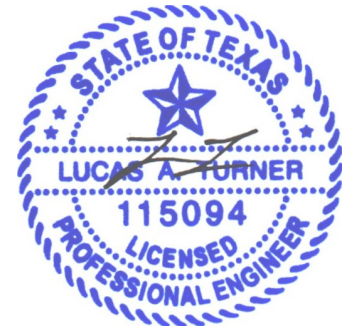
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ARCHITECTURAL  
SHAPES

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8150 PVC  
PICTURE WINDOW  
IMPACT

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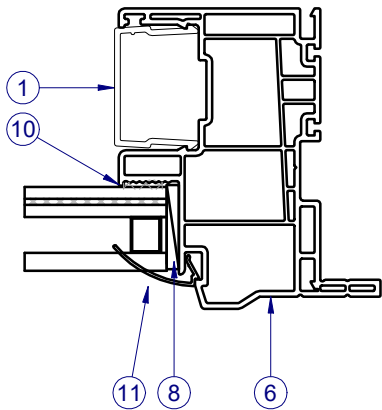
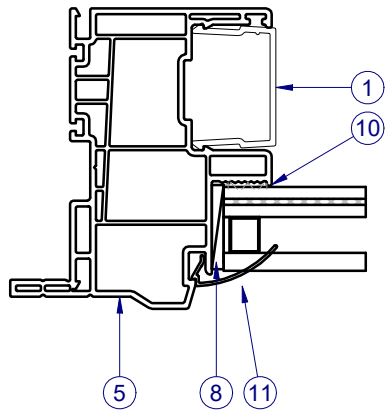
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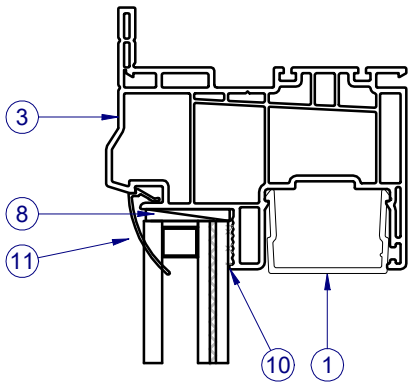
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SECTION VIEWS AND  
GLAZING DETAIL

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EMK	11/12/15
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TDI-1032	C
SCALE:	SHEET
1:2	3 OF 6

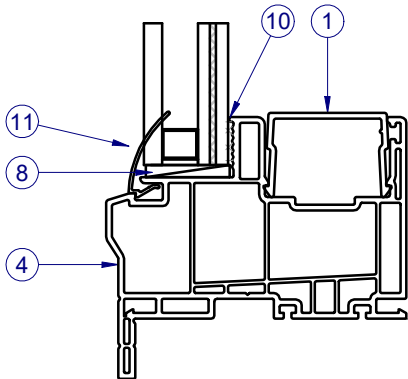
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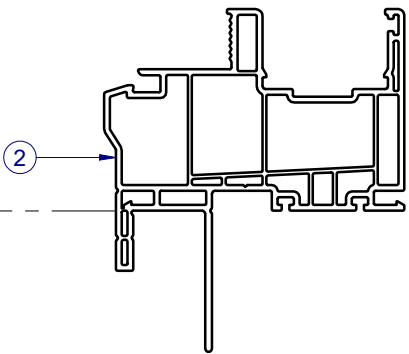
SECTION VIEW B-B



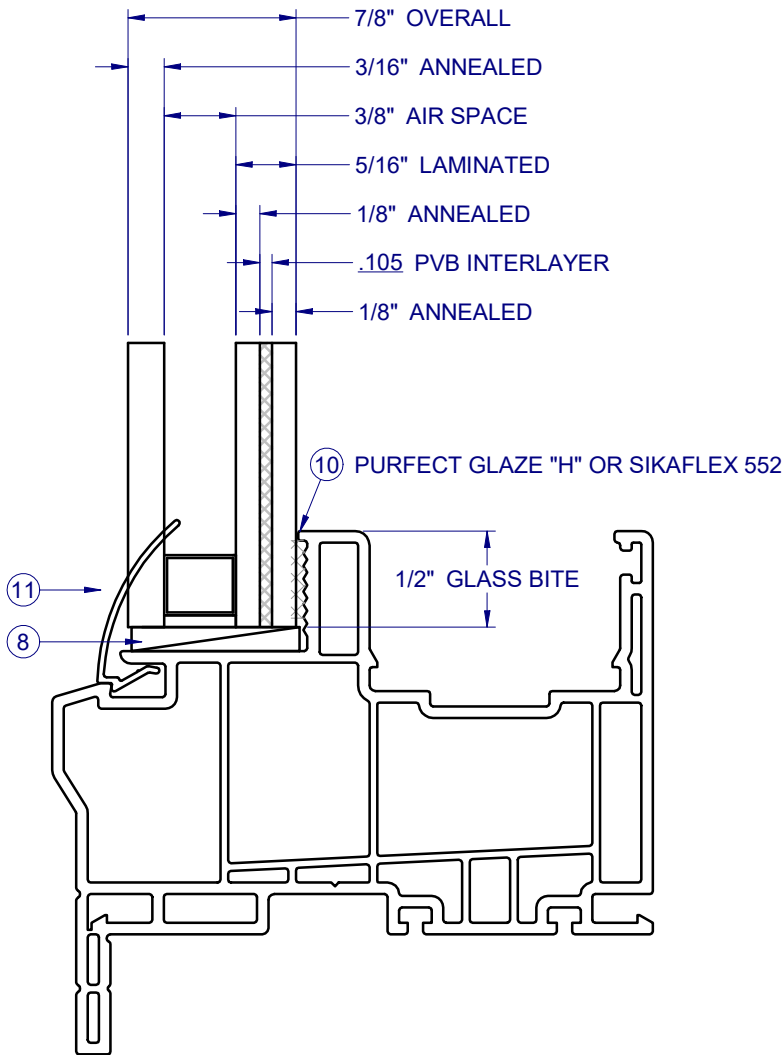
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SECTION VIEW A-A



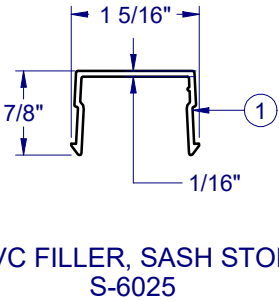
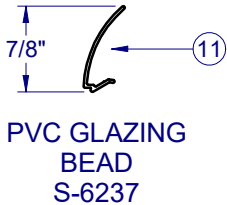
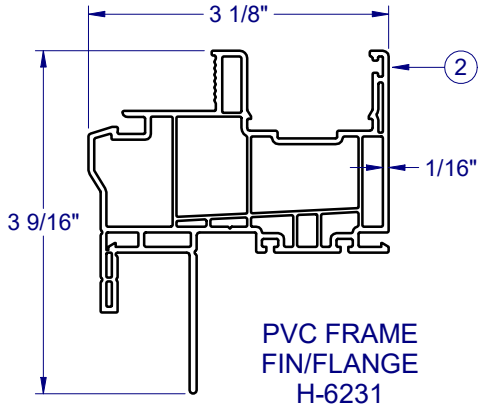
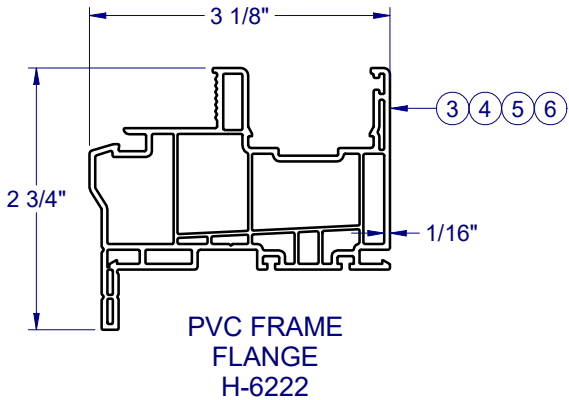
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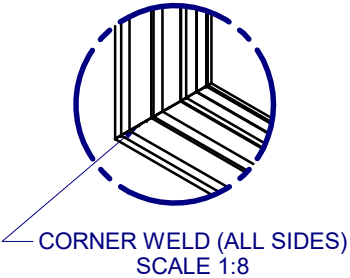
1:1

PARTS LIST			
ITEM	PART #	DESCRIPTION	MATERIAL
1	H-6025	FILLER, FRAME	PVC
2	H-6231	FRAME, FIN	PVC
3	H-6222	FRAME, HEAD, FLANGE	PVC
4	H-6222	FRAME, SILL, FLANGE	PVC
5	H-6222	FRAME, LEFT JAMB, FLANGE	PVC
6	H-6222	FRAME, RIGHT JAMB, FLANGE	PVC
8	P-5615	SETTING BLOCK 85 DUROMETER 1/8" x 1" x 2" LG.	RUBBER
10	P-4648	SIKAFLEX 552 OR HENKEL PURFECT GLAZE "H"	
11	S-6237	GLAZING BEAD (7/8" O.A. I.G.)	PVC
12	GLASS	SEE SHEET 3	GLASS

LINE ITEMS NOT USED:  
9



FRAME CORNER CONSTRUCTION



Custom

WINDOW SYSTEMS

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8150 PVC  
PICTURE WINDOW  
IMPACT

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									REVISIONS



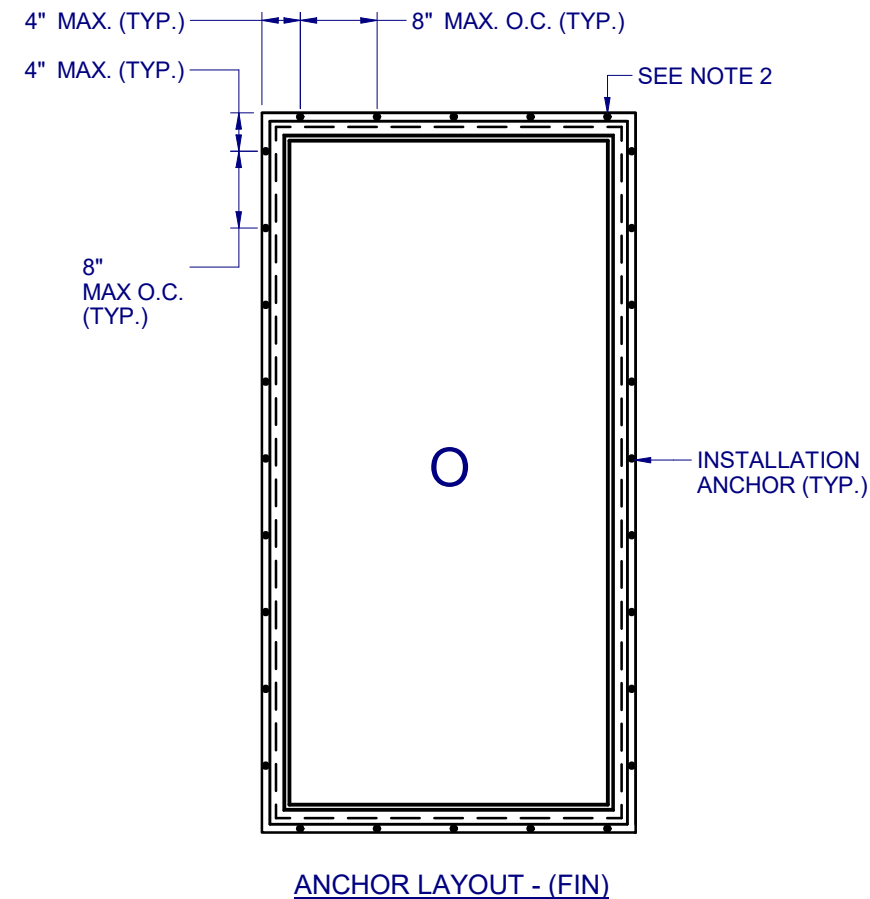
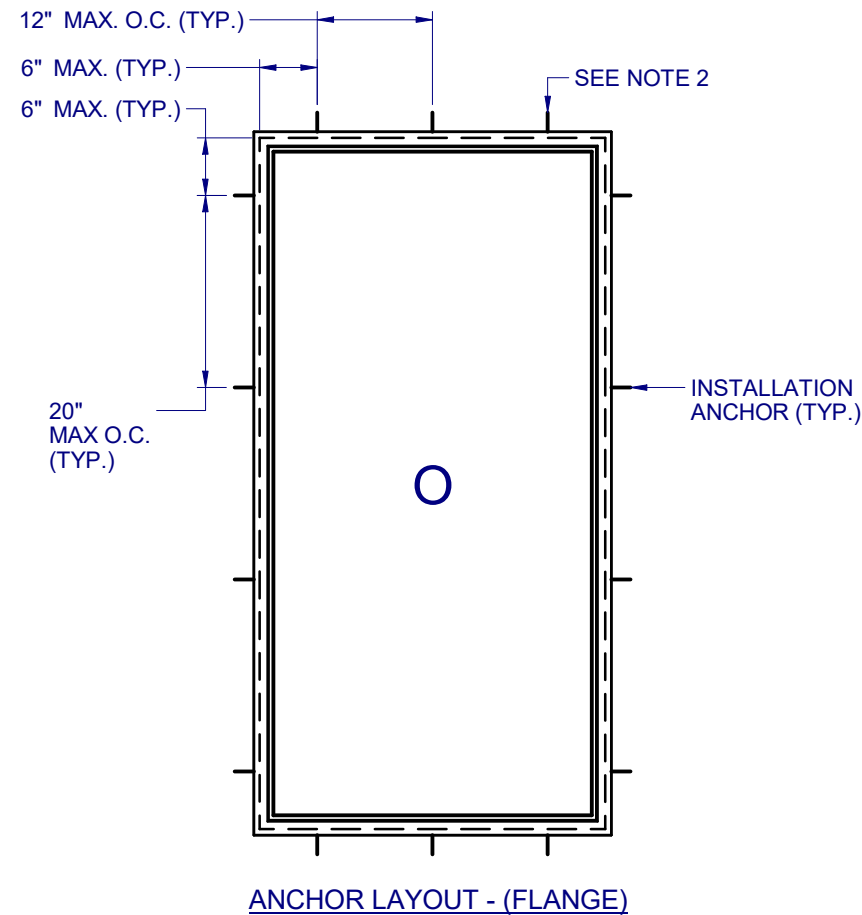
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LUCAS A. TURNER, P.E.  
TX PE # 115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
PH. 941-380-1574

SHEET DESCRIPTION:

BOM AND EXTRUSIONS

DRAWN BY:	DATE:
EMK	11/12/15
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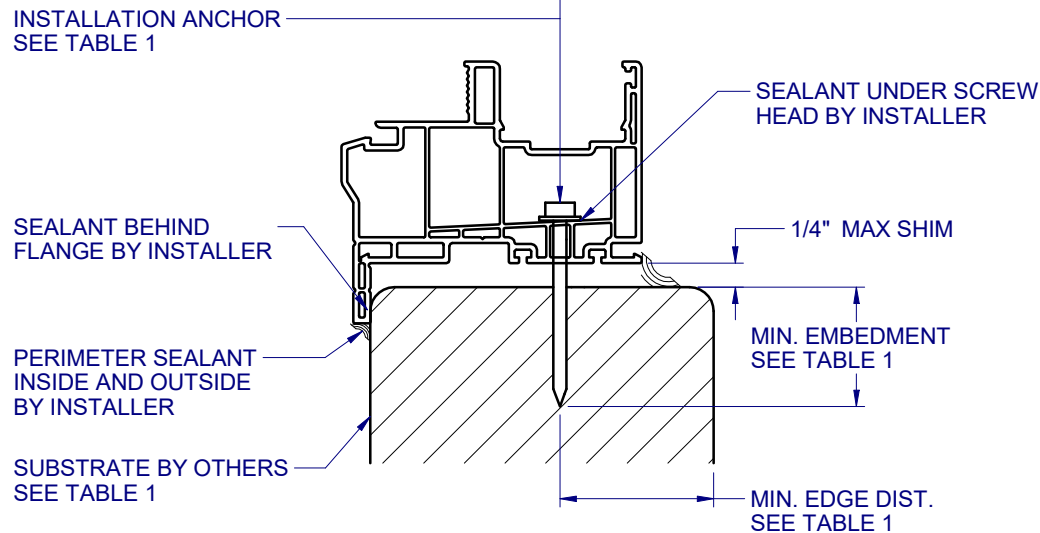
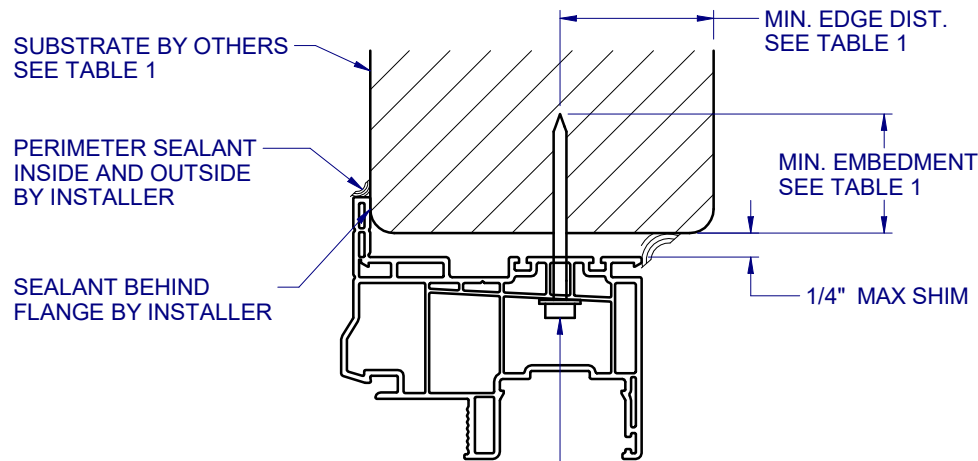
1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. ANCHOR SPACING APPLIES TO ALL SHAPES (SEE SHEET 2) ALONG ALL FRAME EDGES. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 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)

C	UPDATED PER TDI REQ	JLD	05/10/21
B	UPDATED PER TDI REQ	BLZ	08/25/17
A	REVISED TO TDI REQUEST	JML	3/28/17
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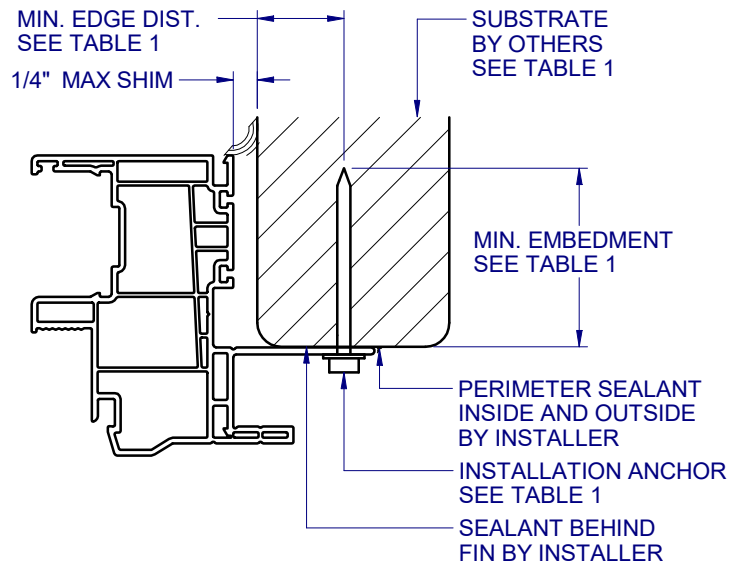
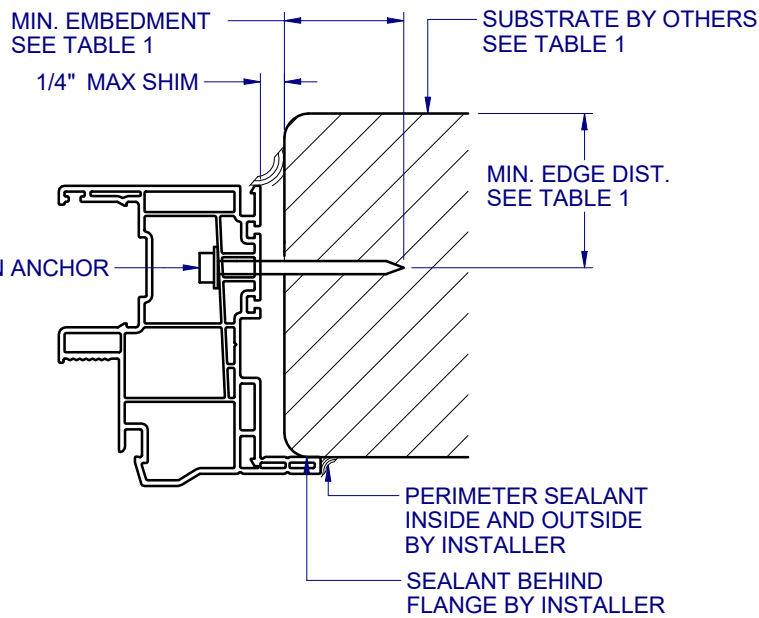
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DWG #: <b>TDI-1032</b>	REV.: <b>C</b>
SCALE: <b>1:1</b>	<b>SHEET</b> <b>5 OF 6</b>



## TYPICAL HEAD ANCHORAGE



INSTALLATION ANCHOR  
SEE TABLE 1



**C**  
6 HORIZONTAL SECTION  
TYPICAL FIN ANCHORAGE  
HEAD AND SILL SIMILAR FOR FIN INSTALLATION

**B**  
6 HORIZONTAL SECTION  
TYPICAL JAMB ANCHORAGE

**A**  
6 VERTICAL SECTION  
TYPICAL SILL ANCHORAGE

TABLE 1: APPROVED INSTALLATION FASTENERS

FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 PHILLIPS PH SCREW	1-1/2"	7/8"
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWI-KFLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	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"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#8 QUAD RH WOOD SCREW W/ WASHER	1-1/2"	7/16"

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 OUTSIDE, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS  
SHOWN FOR FLANGE WINDOWS.

## 8150 PVC PICTURE WINDOW IMPACT

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SHEET DESCRIPTION:

## INSTALLATION DETAILS

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