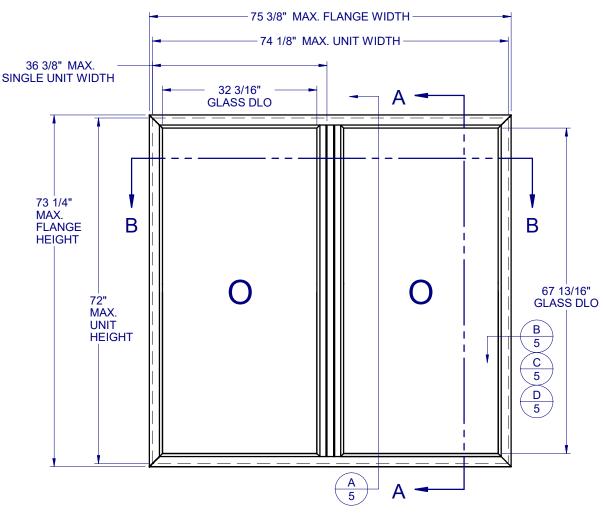
MODEL 8150 SYSTEM 4 PICTURE WINDOW - LARGE MISSILE IMPACT



SYSTEM 4 (CAR 138-261/138-705) MAXIMUM ALLOWABLE DESIGN PRESSURE: +65/-65 PSF

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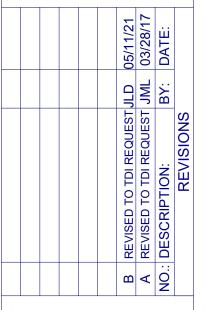
GENERAL NOTES:

- 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 2)
- 3. CONFIGURATIONS: "O/O".
- 4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 5 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 FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT INTERNAL MULL.
- 7. SERIES / MODEL DESIGNATION PW-8150 CONTINUOUS FRAME.
- 8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: O = FIXED SASH
- 9. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.



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8150 PVC PICTURE WINDOW IMPACT





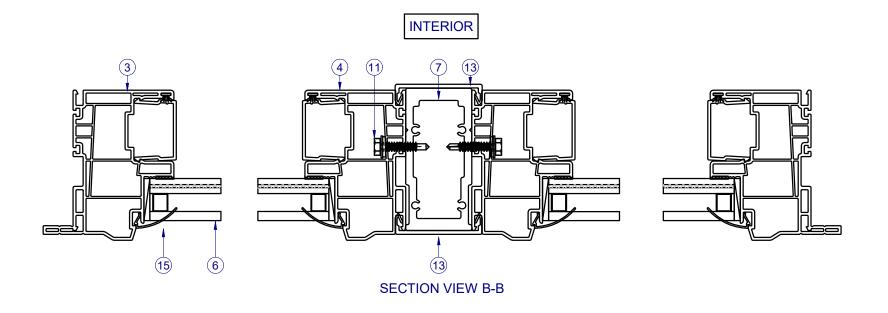
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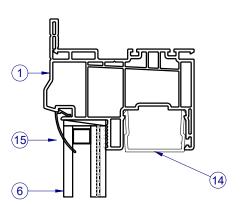
LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

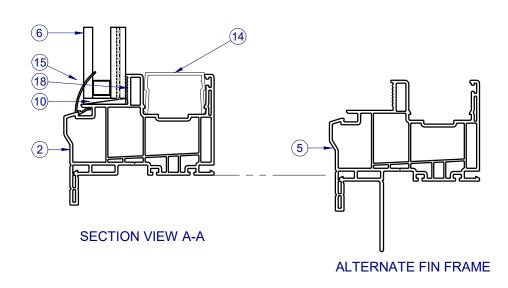
GENERAL NOTES AND ELEVATIONS

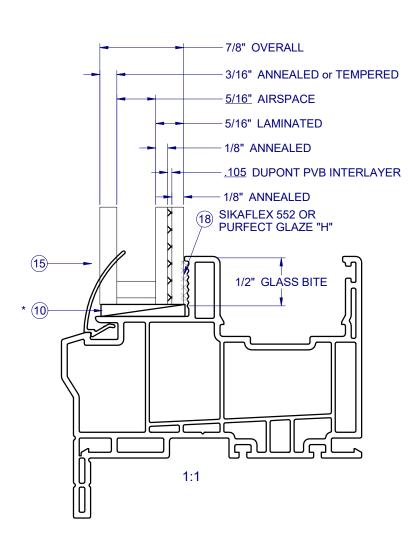
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INTERIOR

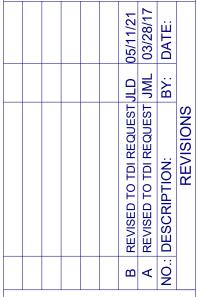






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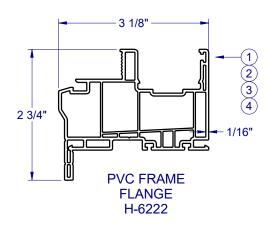
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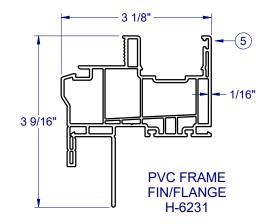
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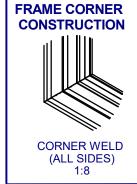
SECTION VIEWS AND GLAZING DETAIL

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1:2	2 OF 5

PARTS LIST				
ITEM	PART #	DESCRIPTION	MATERIAL	
1	H-6222	Frame Head, Flg,	PVC	
2	H-6222	Frame Sill, Flg,	PVC	
3	H-6222	Frame Jamb, Flg,	PVC	
4	H-6222	Internal Fr.,Jb.	PVC	
5	H-6231	Frame, Fin	PVC	
6	GLASS	SEE SHEET 2		
7	H-2127	Internal Mullbar	Alum	
9	P-3342	Seam Sealer, SM-5504		
10	P-5615	Set. Blk. 85 Dur. 1/8" x 5/8" x 2"	Rubber	
11	P-3767	#10 x 1 Hex Head Tek	Steel	
12	P-4638	#8 x 2 1/4 Square Modified Truss	Steel	
13	S-6018	Mullbar Cover	PVC	
14	S-6025	Sash Stop / Filler	PVC	
15	S-6237	Glazing Bead	PVC	
16		#10 x 1 1/2" Panhead SMS	Steel	
17		Flat Washer	Steel	
18		SikaFlex 552 or Purfect Glaze "H"		









8150 PVC PICTURE WINDOW IMPACT

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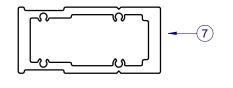
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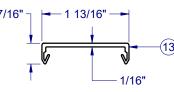
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DP CHART, BOM AND EXTRUSIONS

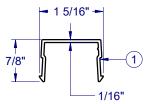
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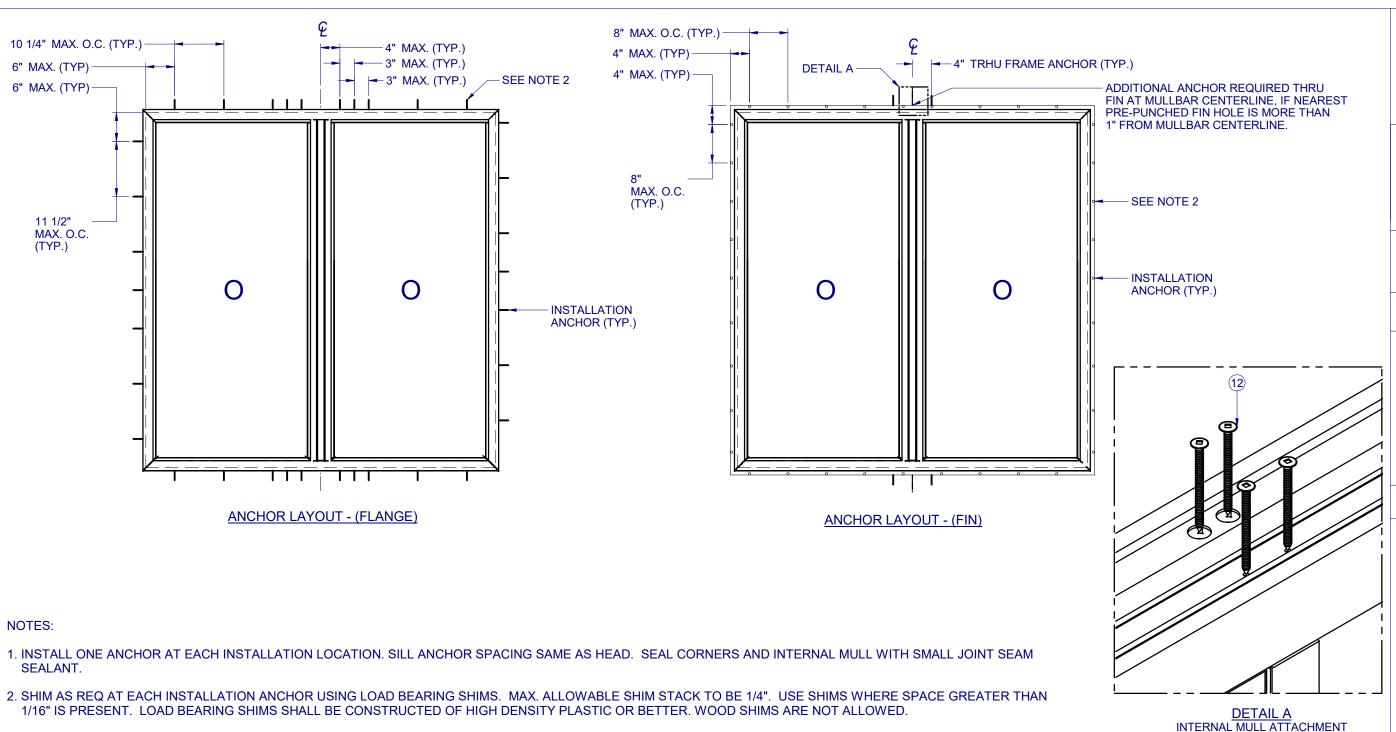


PVC MULLBAR COVER S-6018



PVC FILLER, SASH STOP S-6025



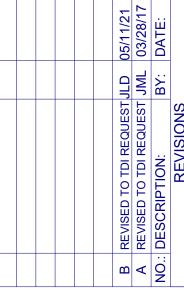


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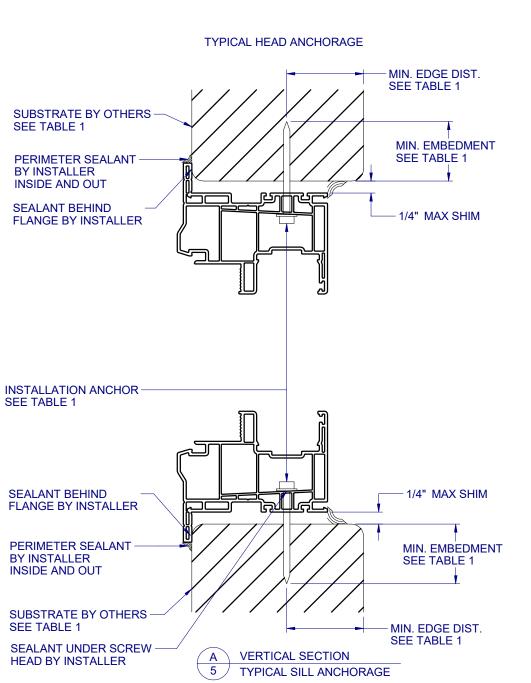
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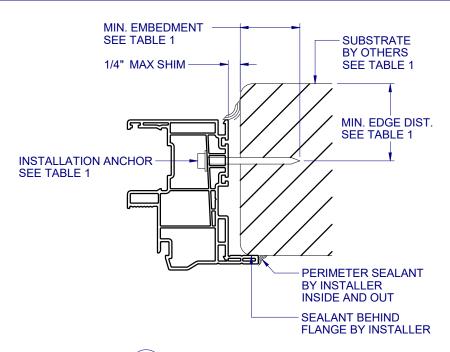
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ANCHOR SCHEDULE AND NOTES

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- 3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 5.
- 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 5.
- 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 5. 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)





B HORIZONTAL SECTION
5 TYPICAL JAMB ANCHORAGE

MIN. EDGE DIST.
SEE TABLE 1

1/4" MAX SHIM

MIN. EMBEDMENT
SEE TABLE 1

PERIMETER SEALANT
BY INSTALLER
INSIDE AND OUT
INSTALLATION ANCHOR
SEE TABLE 1

SEALANT BEHIND
FIN BY INSTALLER

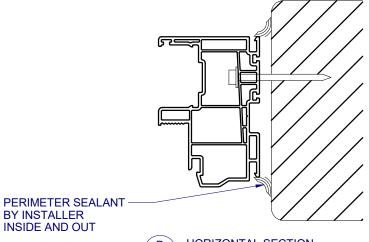
C HORIZONTAL SECTION
5 TYPICAL FIN ANCHORAGE

NOTE: ADDITIONAL THRU-FRAME ANCHORS (AS SHOWN

HEAD AND SILL SIMILAR FOR FIN INSTALLATION

IN DET. A/5) REQ'D AT HEAD AND SILL AT MULLION, SEE SHEET 4 ANCHOR LAYOUT.





D HORIZONTAL SECTION

BOX FRAME INSTALLATION
HEAD AND SILL SIMILAR FOR BOX INSTALLATION

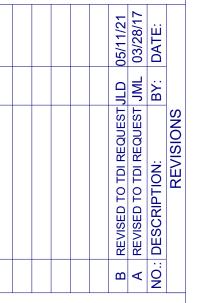
FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- 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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SHEET DESCRIPTION:

INSTALLATION DETAILS

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	DWG #:	REV.:
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	SCALE:	SHEET
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