MODEL 6150 SYSTEMS 1, 2, 3, AND 4 PICTURE WINDOW - LARGE MISSILE IMPACT

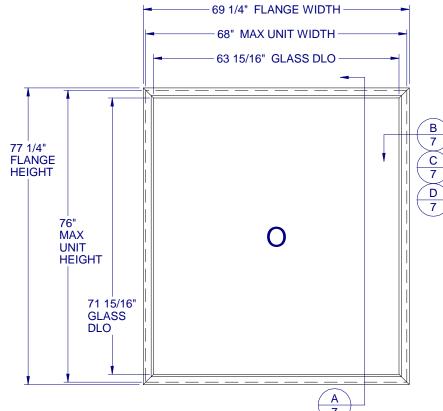




TABLE OF CONTENTS

ARCHITECTURAL SHAPES.

SECTION VIEWS & ALT. FRAME

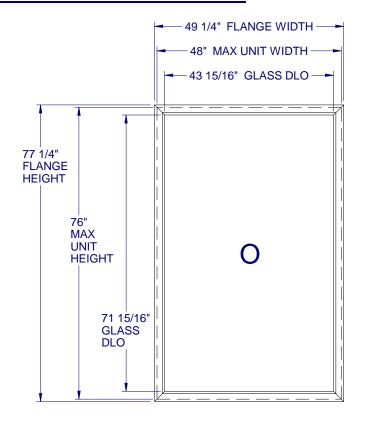
ANCHOR SCHEDULE & NOTES ..

GLAZING DETAILS.

BOM & EXTRUSIONS...

INSTALLATION DETAILS..

GENERAL NOTES & ELEVATIONS.....1



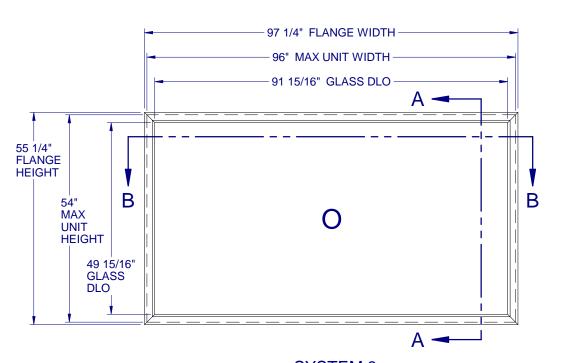
SYSTEM 2 (CAR 138-543/138-1325) MAXIMUM ALLOWABLE DESIGN PRESSURE: +50/-50 PSF

37 1/4" FLANGE WIDTH 36" MAX UNIT WIDTH 31 15/16" GLASS DLO 77 1/4" FLANGE HEIGHT 76" MAX UNIT HEIGHT 71 15/16" GLASS DLO

SYSTEM 4
..5
..6
(CAR 138-550/138-1340)
..7 MAXIMUM ALLOWABLE DESIGN PRESSURE: +50/-50 PSF

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 7 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.
- 7. SERIES / MODEL DESIGNATION PW-6150.
- 8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: O = FIXED SASH
- 9. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

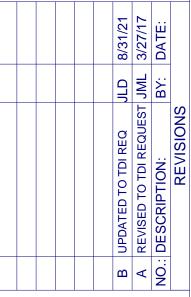


SYSTEM 3 (CAR 138-549/138-1339) MAXIMUM ALLOWABLE DESIGN PRESSURE: +50/-50 PSF



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6150 PVC PICTURE WINDOW IMPACT





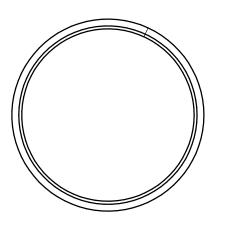
11/2/2021

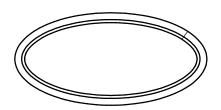
LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

SHEET DESCRIPTION:

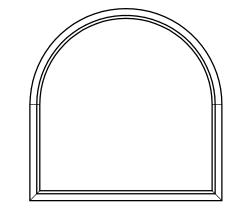
GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-1073	-
SCALE:	SHEET
1:25	1 OF 7

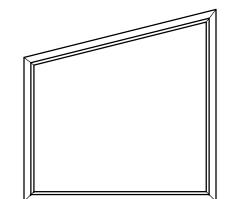




FULL ELLIPSE (OVAL)

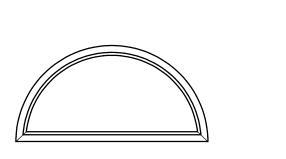


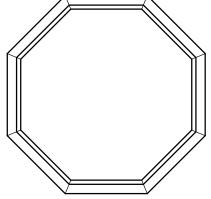
TOMBSTONE



TRAPEZOID



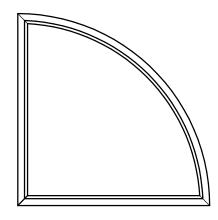




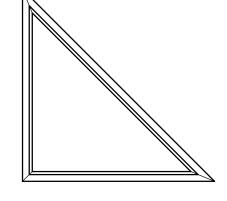




- 1. SEE SHEET 6 FOR DETAILED ANCHOR INSTALLATION REQUIREMENTS.
- 2. THRU FRAME MASONRY, WOOD OR METAL OPENING. THRU FIN WOOD OPENING.
- 3. OVERALL SIZE MUST NOT EXCEED THE MAX. WIDTH AND HEIGHT OF RECTANGULAR WINDOWS ON SHEET 1.
- 4. ANCHOR SPACING FOR ARCHITECTUAL FLANGE AND FIN WINDOWS MUST FOLLOW THE LAYOUTS SHOWN ON SHEET 6, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.



1/2 CIRCLE



1/4 CIRCLE

TRIANGLE



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6150 PVC **PICTURE WINDOW IMPACT**

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			UPDATED TO TDI REQ	REVISED TO TDI REQUEST JML	NO.: DESCRIPTION:	REVISIONS
			В	4	NO.:	



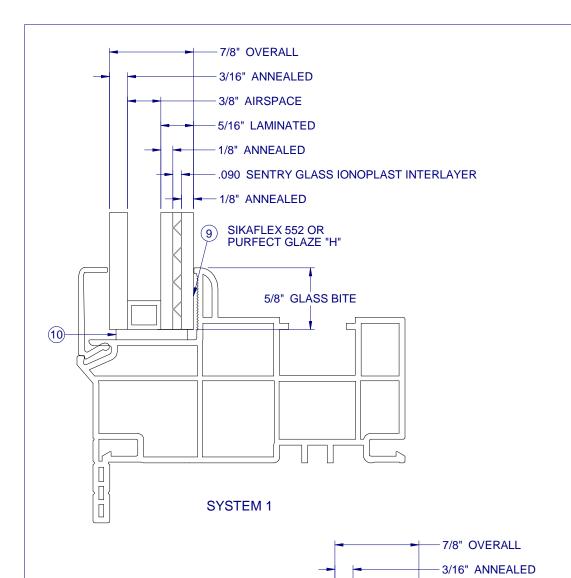
11/2/2021

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

SHEET DESCRIPTION:

ARCHITECTURAL SHAPES

DRAWN BY:	DATE:
EMK	11/12/15
DWG #:	REV.:
TDI-1073	-
SCALE: 1:1	SHEET 2 OF 7



10

1/4" AIRSPACE

7/16" LAMINATED

-3/16" ANNEALED

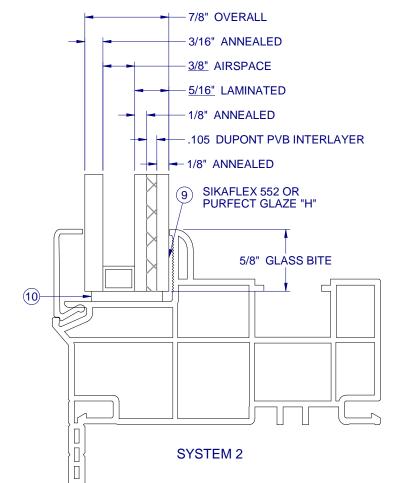
-3/16" ANNEALED

SYSTEM 3

SIKAFLEX 552 OR PURFECT GLAZE "H"

5/8" GLASS BITE

.090 SENTRY GLASS IONOPLAST INTERLAYER

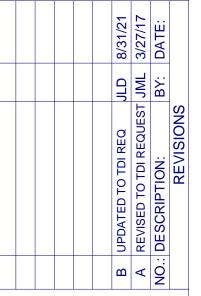


MAX. UNIT SIZE	SYSTEM
68" x 76"	1
48" x 76"	2
96" x 54"	3
36" x 76"	4



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6150 PVC PICTURE WINDOW IMPACT





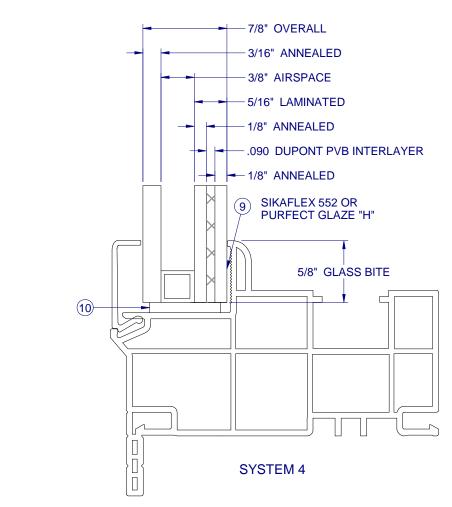
11/2/2021

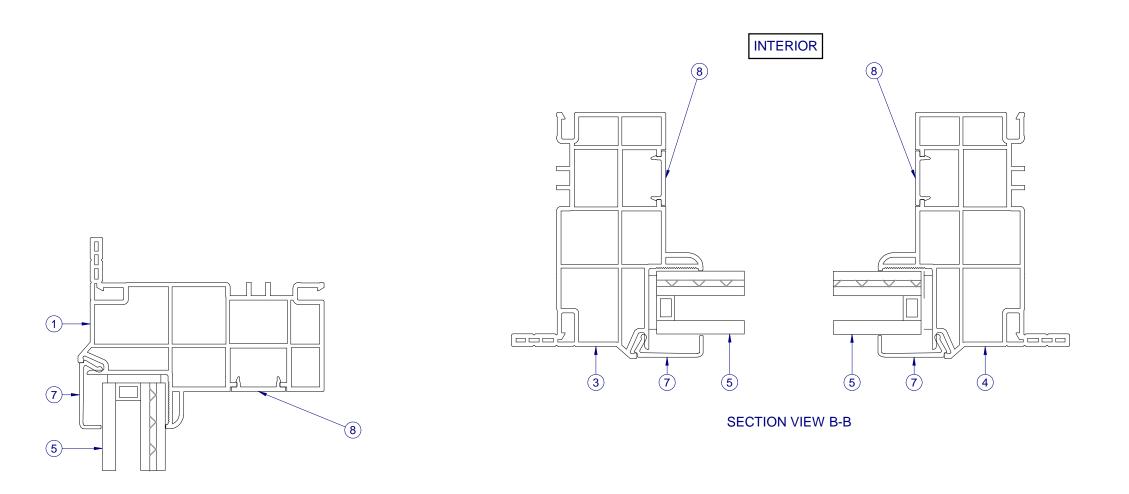
LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

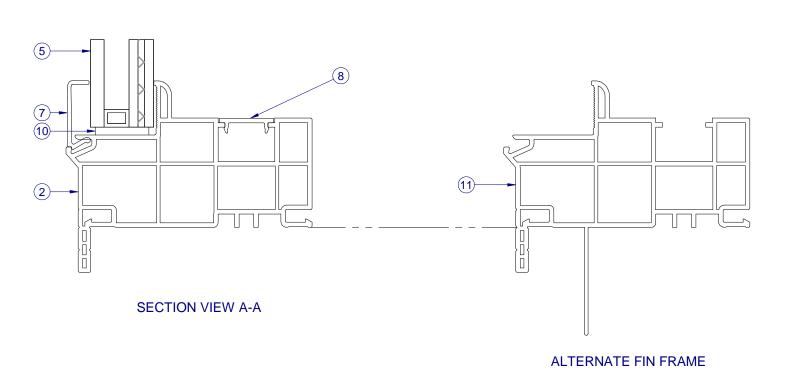
SHEET DESCRIPTION:

GLAZING DETAILS

DRAWN BY:	DATE:
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DWG #:	REV.:
TDI-1073	-
SCALE:	SHEET
1:1	3 OF 7







INTERIOR



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6150 PVC PICTURE WINDOW IMPACT

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			UPDATED TO TDI REQ	REVISED TO TDI REQUEST JML 3/27/17	NO.: DESCRIPTION:	REVISIONS
			В	۷	NO.:	



11/2/2021

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

SHEET DESCRIPTION:

SECTION VIEWS

DRAWN BY:	DATE:
EMK	11/12/15
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TDI-1073	-
SCALE:	SHEET
1:1.33	4 OF 7

ITEM	PART#	DESCRIPTION	VENDOR	MATERIAL
1	H-6128FLG	MAIN FRAME, FLANGE, HEAD	ATN	PVC
2	H-6128FLG	MAIN FRAME, FLANGE, SILL	ATN	PVC
3	H-6128FLG	MAIN FRAME, FLANGE, L. JAMB	ATN	PVC
4	H-6128FLG	MAIN FRAME, FLANGE, R. JAMB	ATN	PVC
5	GLASS	SEE SHEET 3		
7	S-6141	GLAZING BEAD	ATN	PVC
8	S-6218	FRAME FILLER	ATN	PVC
9		PURFECT GLAZE "H", SIKAFLEX 552	HENKEL / SIKA	
10	P-3352	SET. BLK., 85 DUR., 1/8" x 5/8" x 2" l	_g.	
11	H-6128FIN	MAIN FRAME, FIN, PVC	ATN	PVC





6150 PVC PICTURE WINDOW IMPACT

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			В	⋖	NO.:	



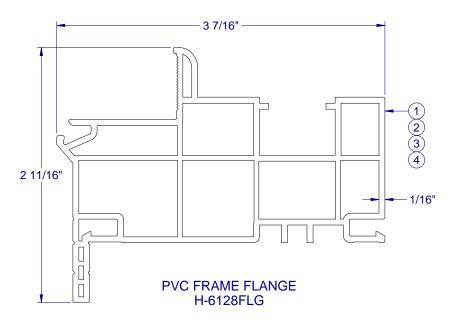
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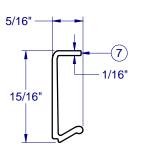
LUCAS A. TURNER, P.E. TX PE # 115094 2428 Old Natchez Trc Trl Camden, TN 38320 PH. 941-380-1574

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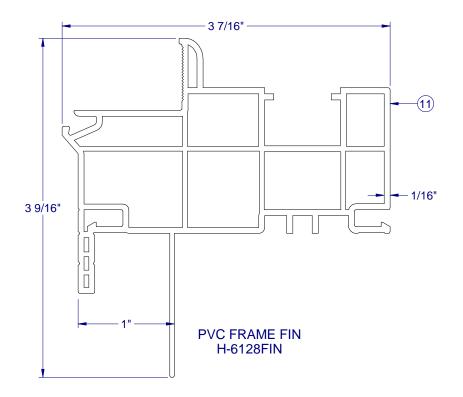
BOM AND EXTRUSIONS

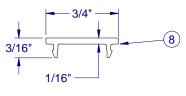
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EMK	11/12/15
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TDI-1073	-
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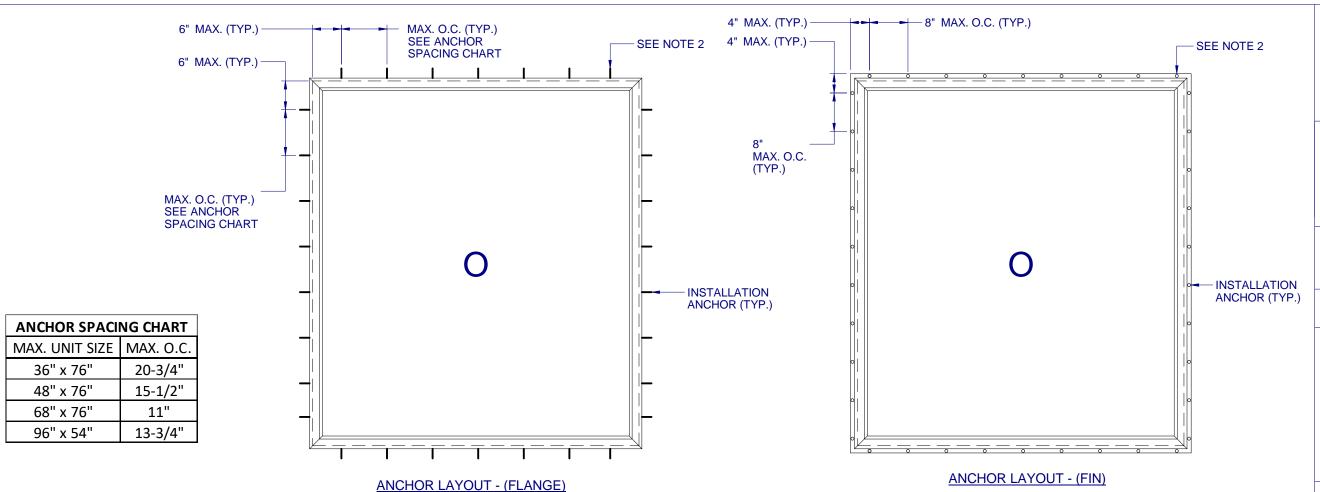


PVC GLAZING BEAD S-6141





PVC TRIM S-6218



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 7.
- 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 7.
- 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 INTO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE. INSTALLATIONS INTO HOLLOW CMU REQUIRE THE USE OF 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
- 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3-9/16" 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 7. 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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6150 PVC PICTURE WINDOW IMPACT

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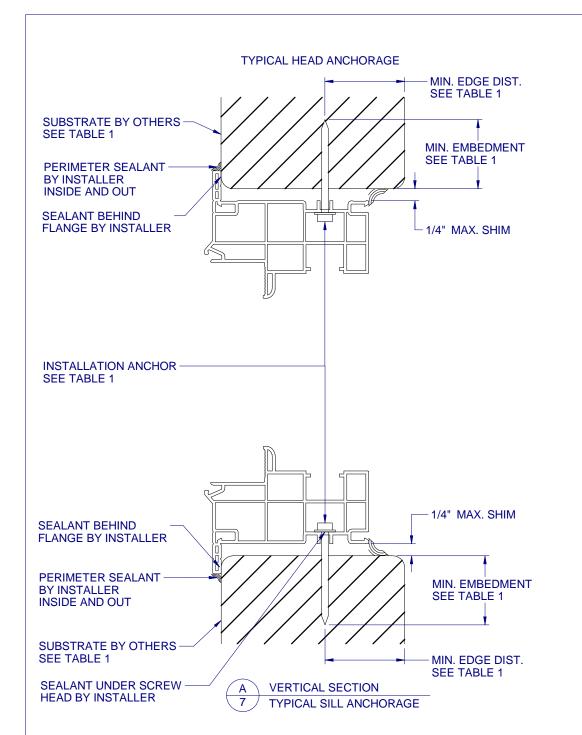
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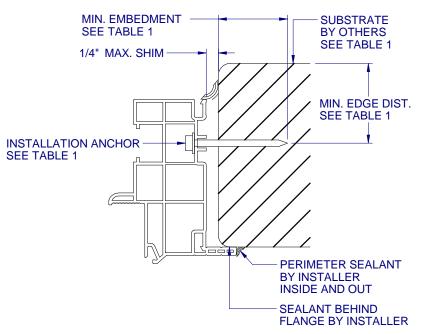
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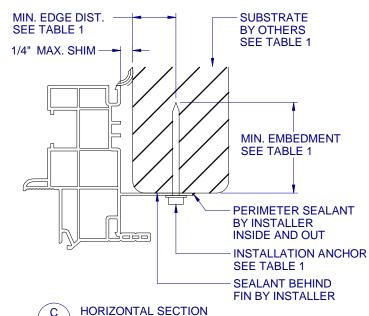
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	DATE:
EMK	11/12/15
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TDI-1073	-
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1:20	6 OF 7



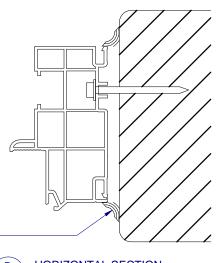


B HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE



TYPICAL FIN ANCHORAGE

HEAD AND SILL SIMILAR FOR FIN INSTALLATION



PERIMETER SEALANT BY INSTALLER INSIDE AND OUT

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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6150 PVC PICTURE WINDOW IMPACT

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11/2/2021

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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:				
EMK	11/12/15				
DWG #:	REV.:				
TDI-1073	-				
SCALE:	SHEET				
1:2	7 OF 7				

