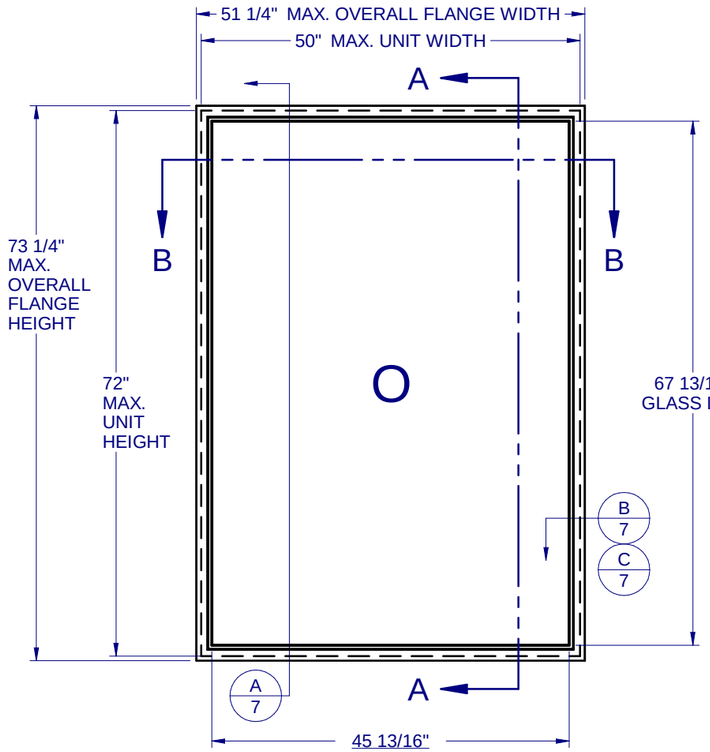
MODEL 8150 SYSTEM 2
PICTURE WINDOW - NON-IMPACT



SYSTEM 2 (CAR 138-493)

TABLE OF CONTENTS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL RESIDENTIAL CODE (IRC), WITH TEXAS REVISIONS EFFECTIVE JANUARY 1, 2008.
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. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
6. ALL FRAMES 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.

Lucas A. Turner
2016-08-19 17:31-04:00

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8150 PVC PICTURE WINDOW NON-IMPACT

NO.:	DESCRIPTION:	BY:	DATE:
A	REVISED TO TDI REQUEST	JML	8/2/16

REVISIONS

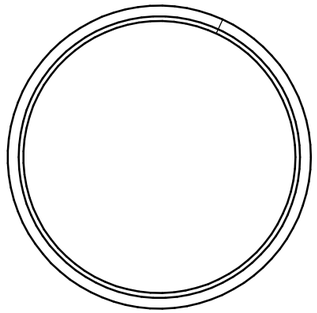
STATE OF TEXAS
LUCAS A. TURNER
115094
LICENSED
PROFESSIONAL ENGINEER

8/19/2016

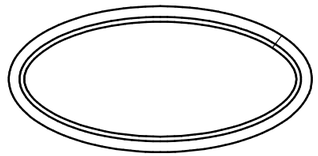
LUCAS A. TURNER, P.E.
TX PE # 115094
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
GENERAL NOTES AND ELEVATIONS

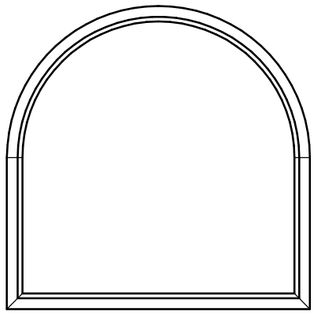
DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:20	1 OF 7



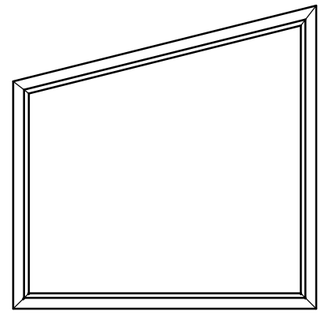
FULL CIRCLE



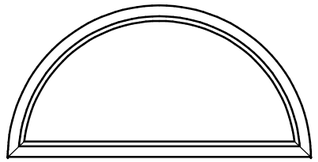
FULL ELLIPSE (OVAL)



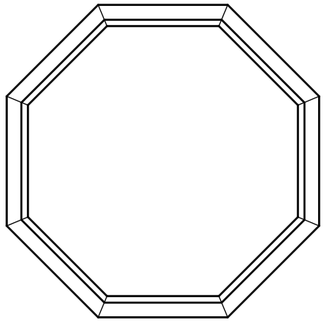
TOMBSTONE



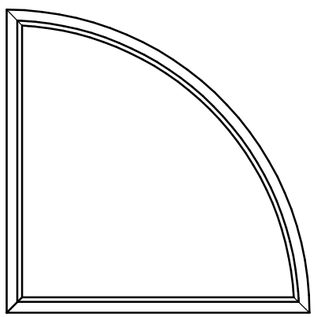
TRAPEZOID



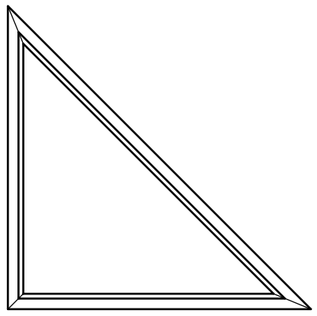
1/2 CIRCLE



OCTAGON



1/4 CIRCLE



TRIANGLE

NOTES:

1. SEE SHEET 6 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 WINDOWS ON SHEET 1.
4. ANCHOR SPACING FOR ARCHITECTUAL FLANGE WINDOWS MUST FOLLOW THE LAYOUT SHOWN ON SHEET 6, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.

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8150 PVC PICTURE WINDOW NON-IMPACT

NO.:	DESCRIPTION:	BY:	DATE:
A	REVISED TO TDI REQUEST	JML	8/2/16

REVISIONS

STATE OF TEXAS
LUCAS A. TURNER
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8/19/2016

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1239 JABARA AVE.
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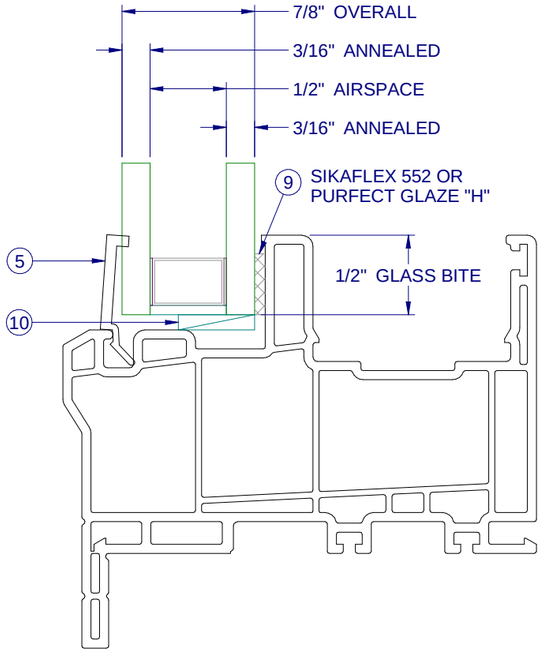
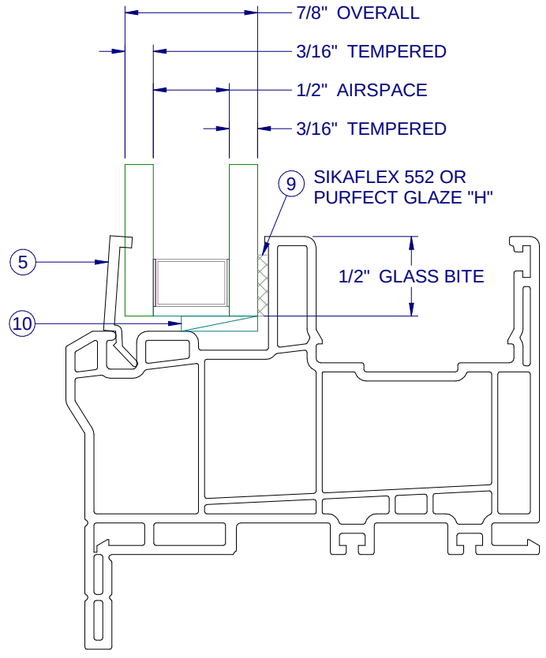
SHEET DESCRIPTION:
ARCHITECTURAL SHAPES

DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:1	2 OF 7





NOTE: IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

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8150 PVC PICTURE WINDOW NON-IMPACT

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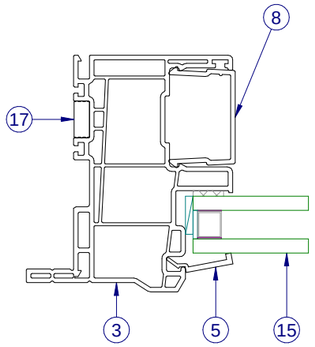
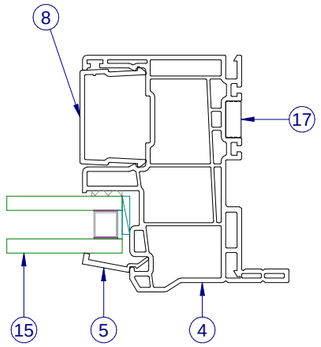
SHEET DESCRIPTION:

GLAZING DETAILS

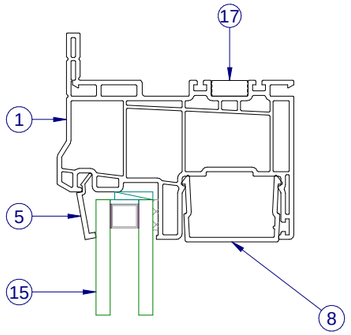
DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:1	3 OF 7

INTERIOR

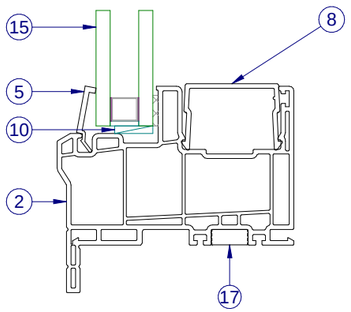




SECTION VIEW B-B



INTERIOR



SECTION VIEW A-A

ITEMS NOT SHOWN FOR CLARITY:
11-14

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8150 PVC PICTURE WINDOW NON-IMPACT

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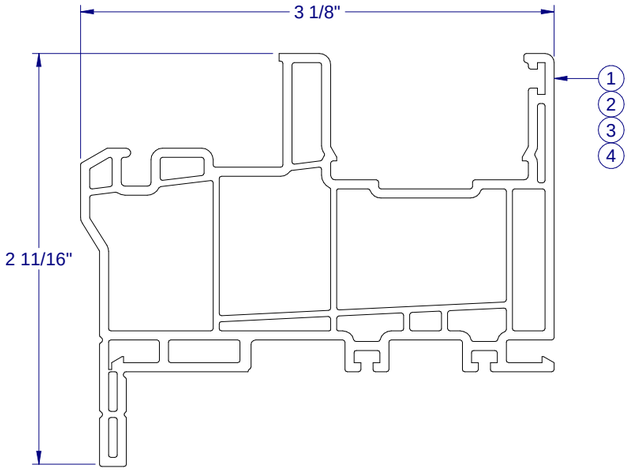
SHEET DESCRIPTION:
SECTION VIEWS

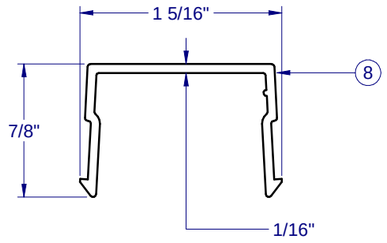
DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:2	4 OF 7

PARTS LIST				
ITEM	PART #	DESCRIPTION	VENDOR	MATERIAL
1	H-6031	Fr., PW, Main, Head, Flg	Mikron	PVC
2	H-6031	Fr., PW, Main, Sill, Flg	Mikron	PVC
3	H-6031	Fr., PW, Main, L. Jb., Flg	Mikron	PVC
4	H-6031	Fr., PW, Main, R. Jb., Flg	Mikron	PVC
5	S-6064	Glz. Bd., Fxd.	Mikron	PVC
8	S-6025	Sash Stop / Groove Filler	Mikron	PVC
9	P-3438	Sikaflex 552 or Purfect Claze "H"	Sika/Henkel	
10	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	F. Lowe	Rubber
11	P-3684	PW-8300 Gold Cert. Label, NFRC Tab		
13	P-3881	Temporary Lbl. (NFRC/DP)		
14	P-3613	CWS Lbl. (logo)		
15		Glass, Fixed (See sheet 5)		
17	P-3113	Screw Support for PVC	T. Plastics	Nylon

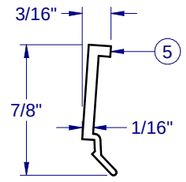
LINE ITEMS NOT USED:
6, 7, 12, 16



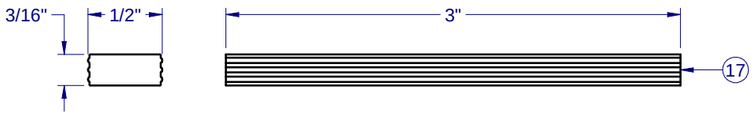
PVC FRAME FLANGE
H-6031



PVC SASH STOP/GROOVE FILLER
S-6025

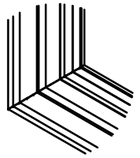


PVC GLAZING BEAD
S-6064



SCREW SUPPORT
P-3113

FRAME CORNER CONSTRUCTION



CORNER WELD
(ALL SIDES)
1:8

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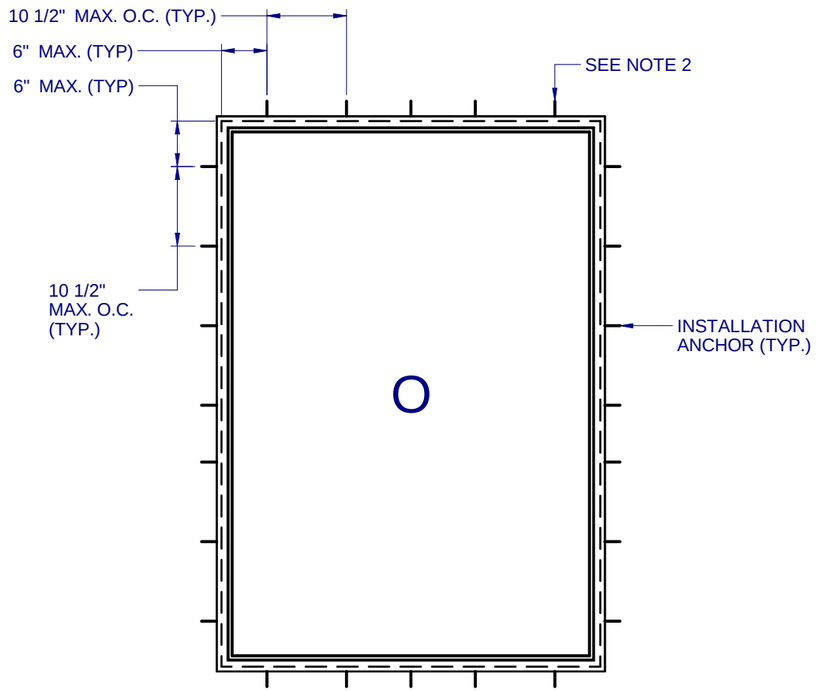
SHEET DESCRIPTION:
BOM AND EXTRUSIONS

DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:1	5 OF 7



ANCHOR LAYOUT - (FLANGE)

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 - 1X BUCKS ARE OPTIONAL.

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 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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8150 PVC PICTURE WINDOW NON-IMPACT

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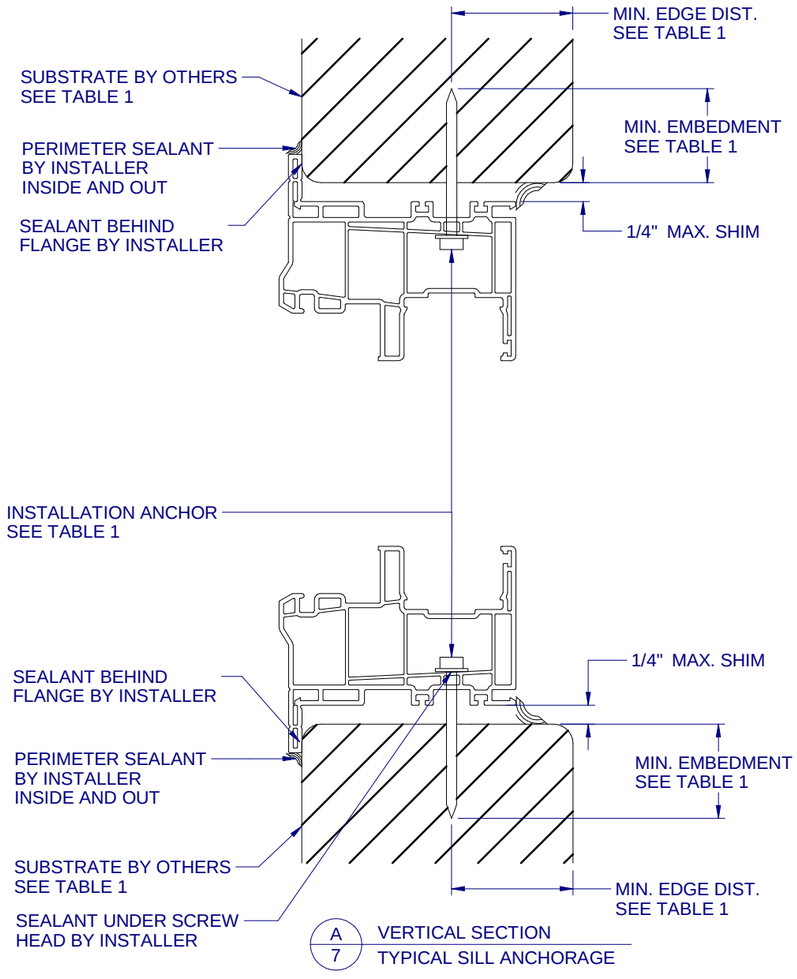
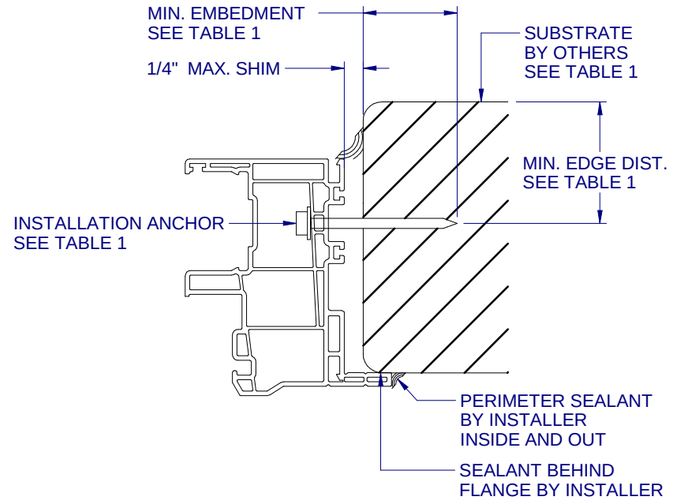
SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:20	6 OF 7

TYPICAL HEAD ANCHORAGE



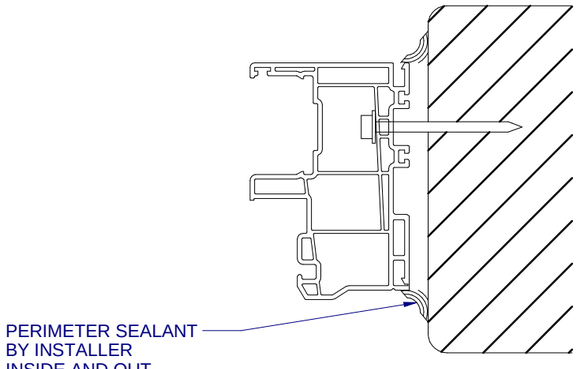
A/7 VERTICAL SECTION
TYPICAL SILL ANCHORAGE



B/7 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE

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"



C/7 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

DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-506	-
SCALE:	SHEET
1:2	7 OF 7