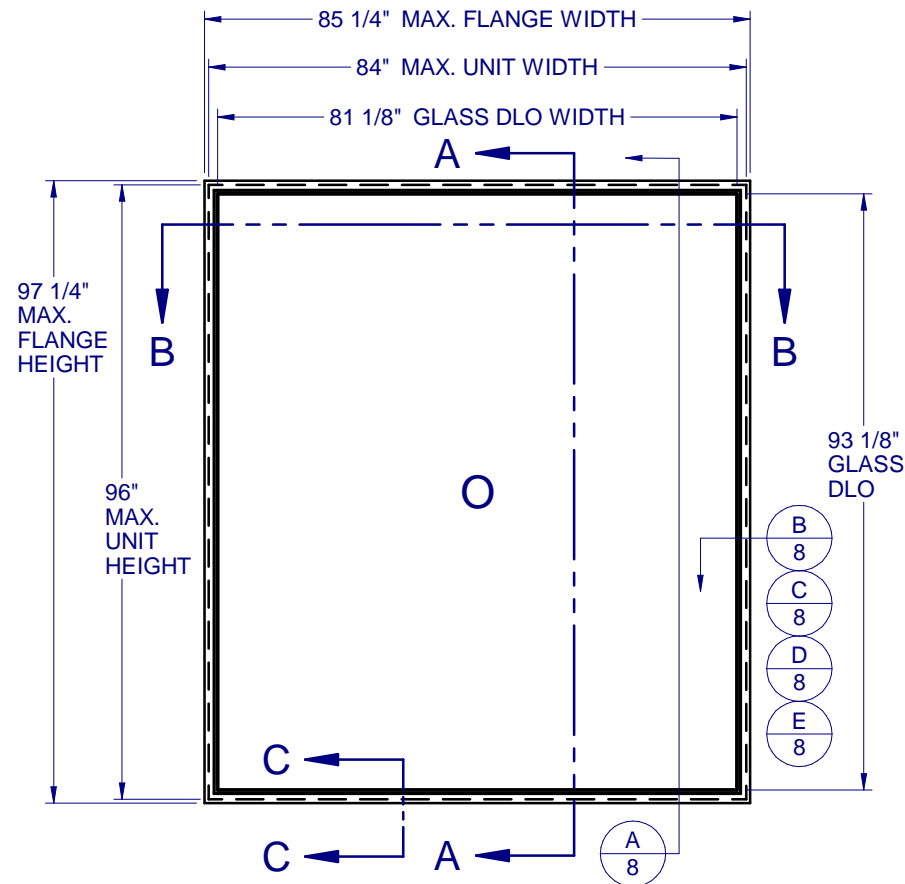
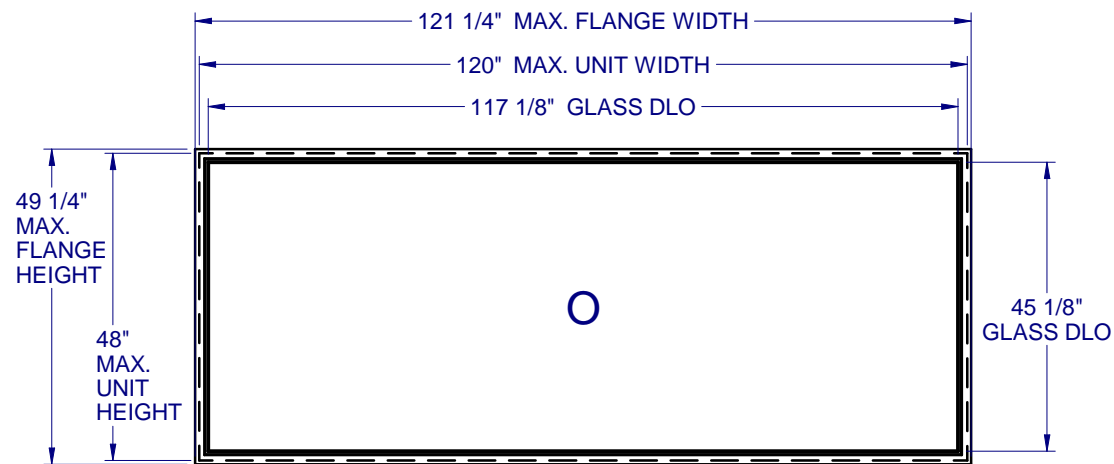


MODEL 8300 SYSTEMS 1, 2, AND 3 PICTURE WINDOW - NON-IMPACT



SYSTEM 1 (CAR 138-1011)
MAXIMUM ALLOWABLE DESIGN PRESSURE: +40/-40 PSF

SYSTEM 3 (CAR 138-1010)
MAXIMUM ALLOWABLE DESIGN PRESSURE: +65/-65 PSF



SYSTEM 2 (CAR 138-1012)
MAXIMUM ALLOWABLE DESIGN PRESSURE: +40/-40 PSF

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 8 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-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.

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

8300 PVC PICTURE WINDOW NON-IMPACT

NO.	DESCRIPTION:	BY:	DATE:
C	REVISED TO TDI REQUEST	MS	03/24/22
B	REVISED TO TDI REQUEST	JML	3/7/17
A	REVISED TO TDI REQUEST	JML	8/2/16



4/1/2022

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

SHEET DESCRIPTION:

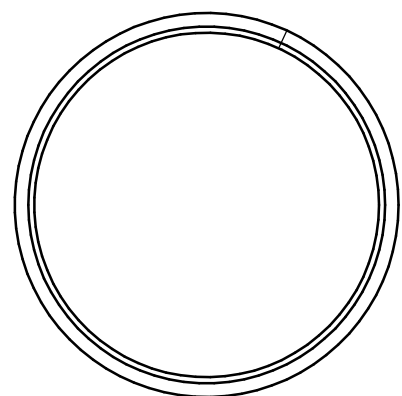
GENERAL NOTES AND ELEVATIONS

DRAWN BY: EMK	DATE: 11/11/15
DWG #: TDI-339	REV.: C
SCALE: 1:33.33	SHEET 1 OF 7

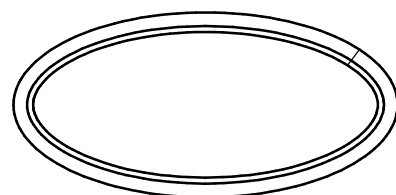
TABLE OF CONTENTS

- GENERAL NOTES & ELEVATIONS.....1
- ARCHITECTURAL SHAPES.....2
- GLAZING DETAILS.....3
- COMPARATIVE ANALYSIS.....4
- SECTION VIEWS & ALT. FRAME.....5
- BOM & EXTRUSIONS.....6
- ANCHOR SCHEDULE & NOTES.....7
- INSTALLATION DETAILS.....8

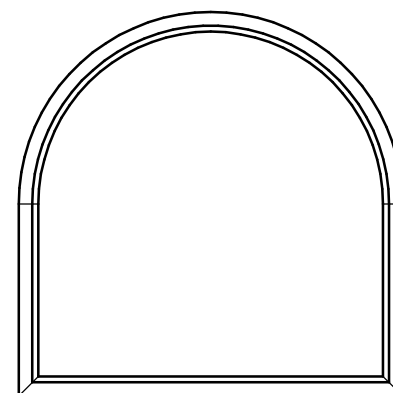
**8300 PVC
PICTURE WINDOW
NON-IMPACT**



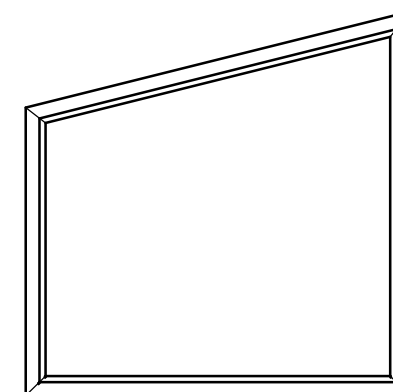
FULL CIRCLE



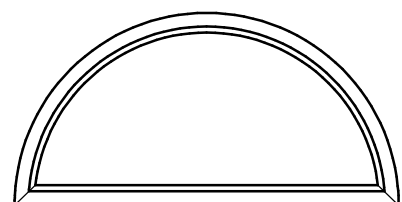
FULL ELLIPSE (OVAL)



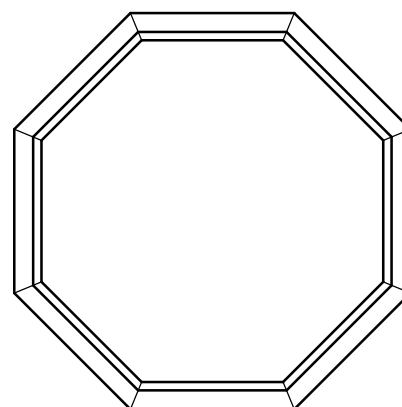
TOMBSTONE



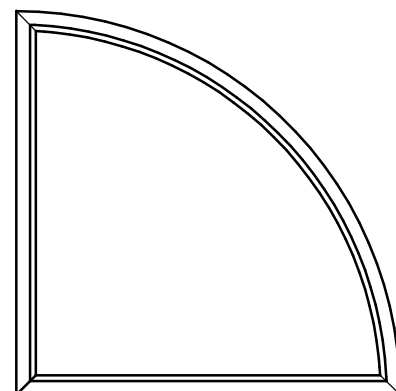
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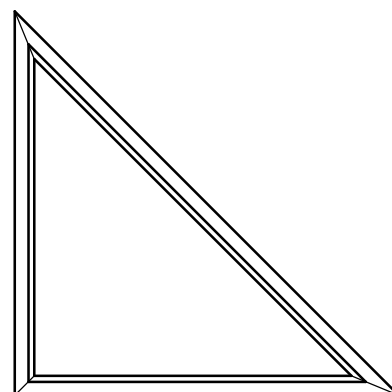
1/2 CIRCLE



OCTAGON



1/4 CIRCLE



TRIANGLE

NOTES:

1. SEE SHEET 7 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 ARCHITECTURAL FLANGE AND FIN WINDOWS MUST FOLLOW THE LAYOUT SHOWN ON SHEET 7, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.

		NO.:	DESCRIPTION:	BY:	DATE:
	C	REVISOR	MS	03/24/22	
	B	REVISOR	JML	3/7/17	
	A	REVISOR	JML	8/2/16	
					REVISIONS



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TX PE # 115094
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

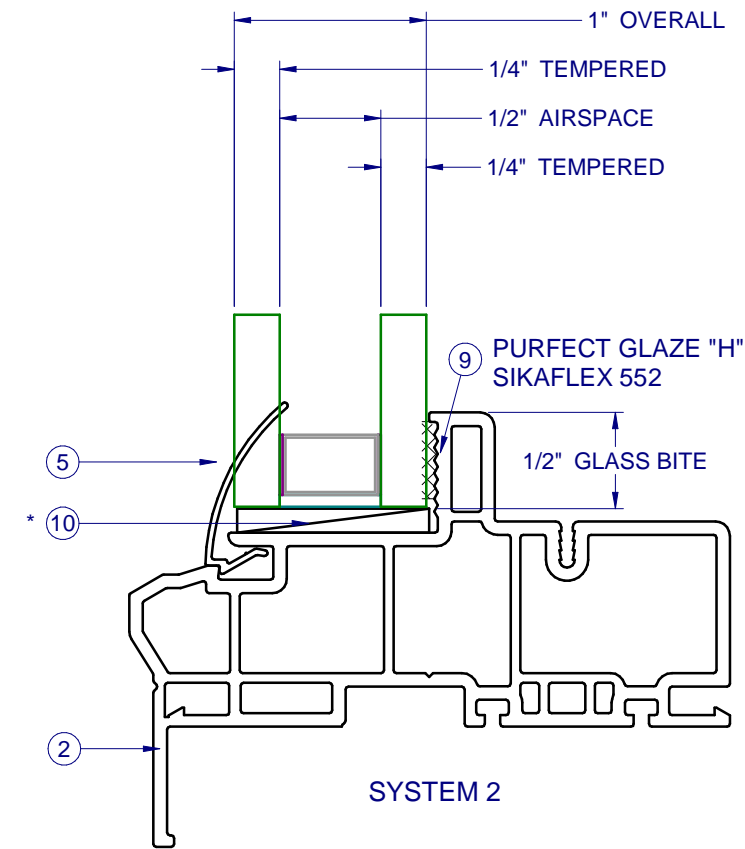
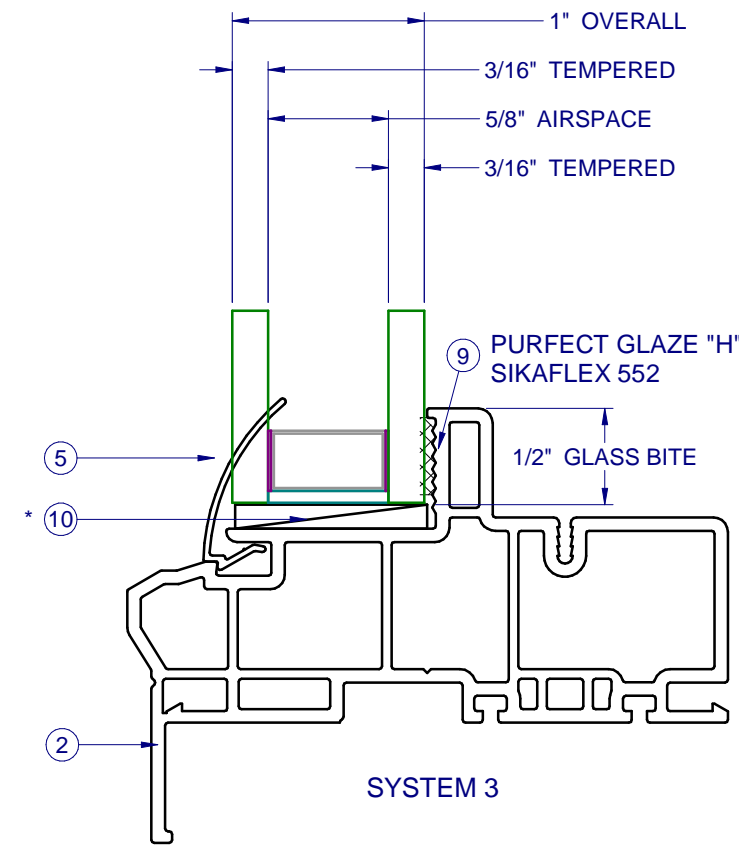
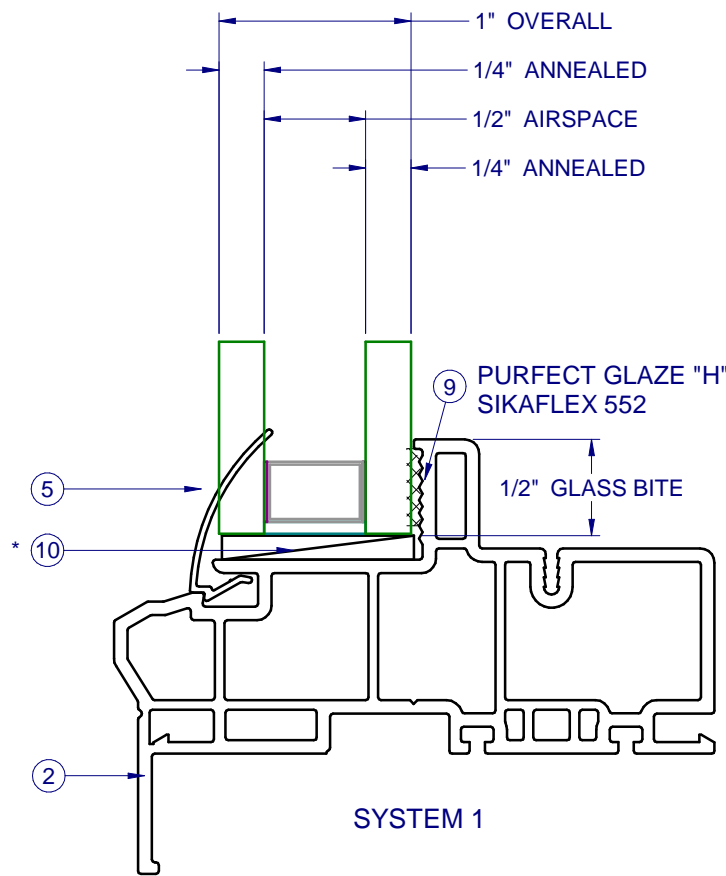
**ARCHITECTURAL
SHAPES**

DRAWN BY: **EMK** DATE: **11/11/15**

DWG #: **TDI-339** REV.: **C**

SCALE: **1:1** SHEET **2 OF 7**

**8300 PVC
PICTURE WINDOW
NON-IMPACT**



				03/24/22	
				MS	
				3/7/17	
				JML	
				8/2/16	
				JML	
				BY:	DATE:
				NO.:	
				DESCRIPTION:	
					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:

GLAZING DETAILS

DRAWN BY: EMK	DATE: 11/11/15
DWG #: TDI-339	REV.: C
SCALE: 1:1	SHEET 3 OF 7

**8300 PVC
PICTURE WINDOW
NON-IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:
C	REVISED TO TDI REQUEST	MS	03/24/22
B	REVISED TO TDI REQUEST	JML	3/7/17
A	REVISED TO TDI REQUEST	JML	8/2/16

REVISIONS



4/1/2022

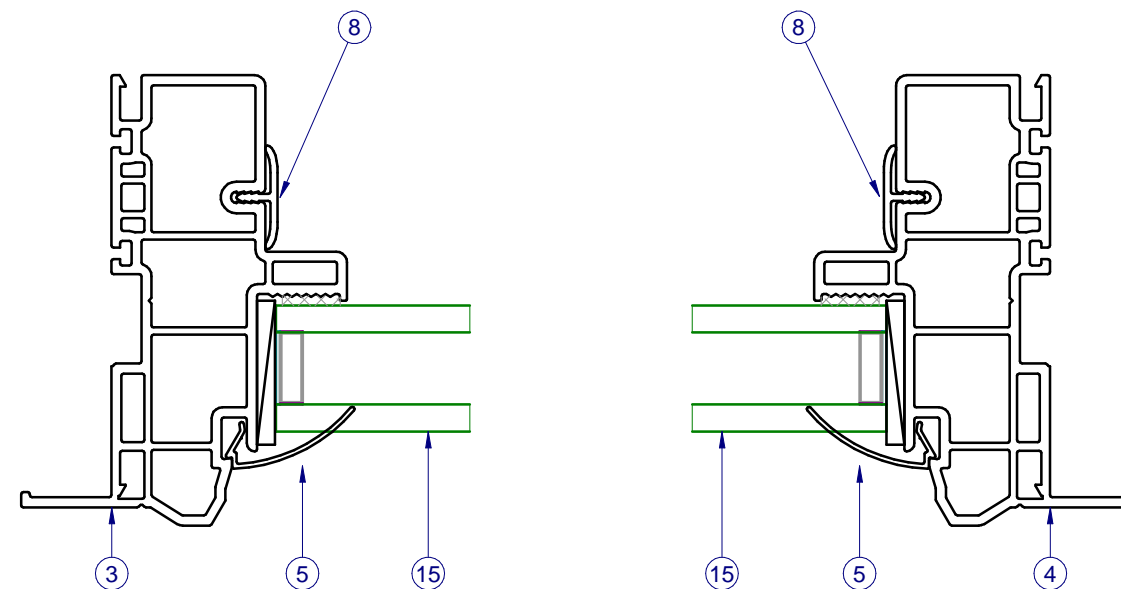
LUCAS A. TURNER, P.E.
TX PE # 115094
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

SECTION VIEWS

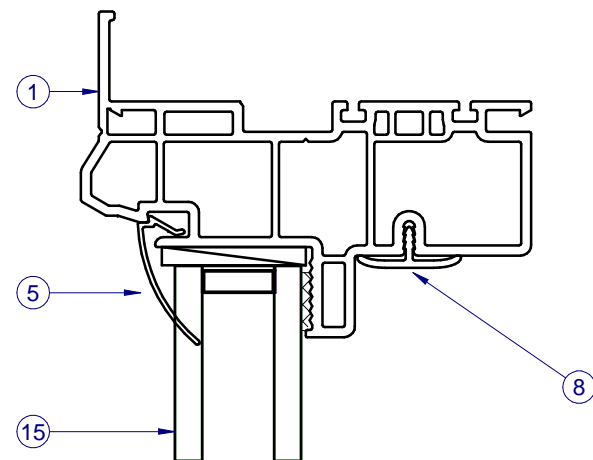
DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-339	C
SCALE:	SHEET
1:1.33	4 OF 7

INTERIOR

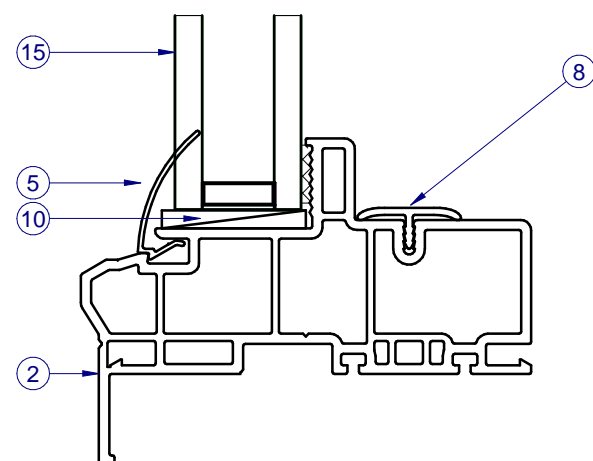


SECTION VIEW B-B

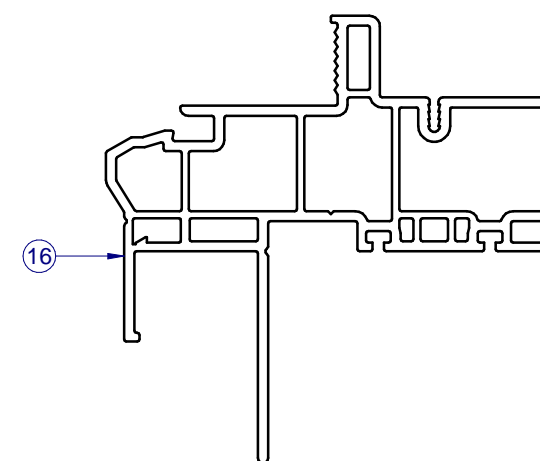
INTERIOR



SECTION VIEW A-A



SECTION VIEW C-C
ALTERNATE FIN FRAME

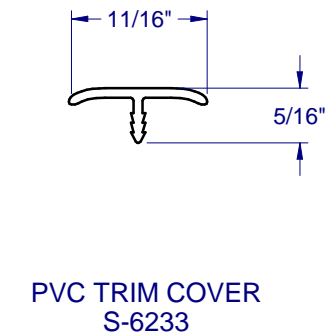
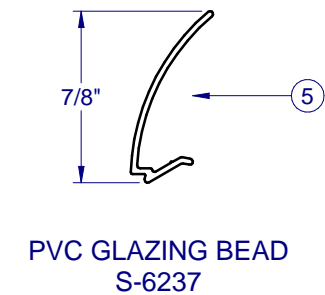
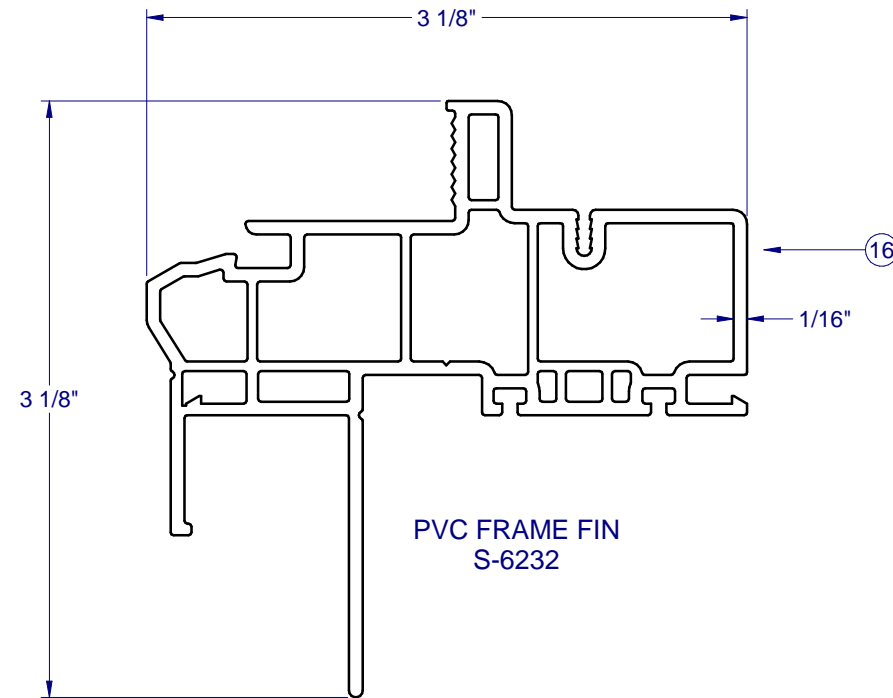
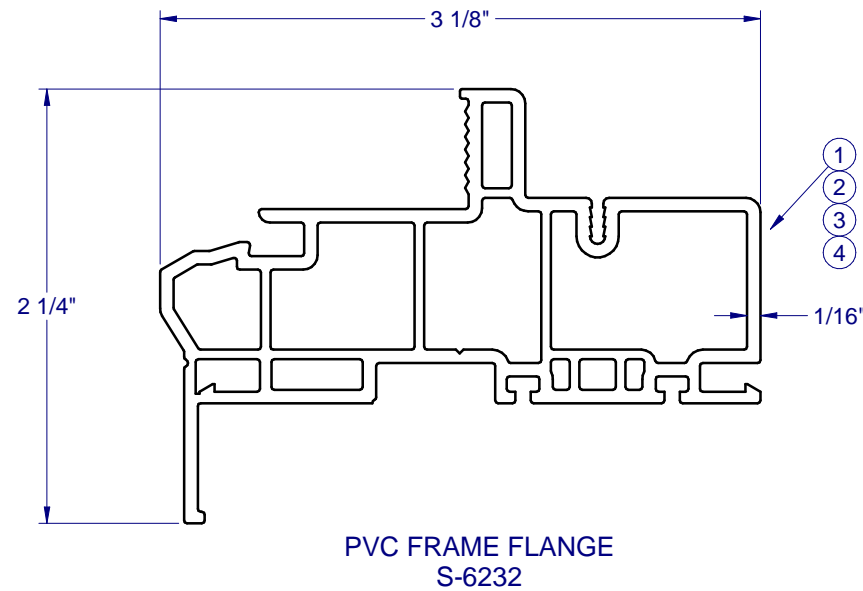


ITEMS NOT SHOWN FOR CLARITY:
9, 11-14

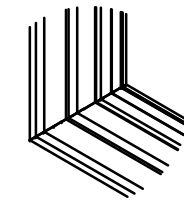
PARTS LIST

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	Glz. Bd., Fxd.	PVC
8	S-6233	Trim Cover	PVC
9		Purfect Glaze "H", SikaFlex 552	
10	P-5615	Set. Blk., 85 Dur., 1/8" x 1" x 2" Lg.	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	SEE SHEET 3	
16	H-6232	Fr. Main, PVC, Fin	PVC

LINE ITEMS NOT USED:
6-7, 12



FRAME CORNER CONSTRUCTION



CORNER WELD
(ALL SIDES)
1:8

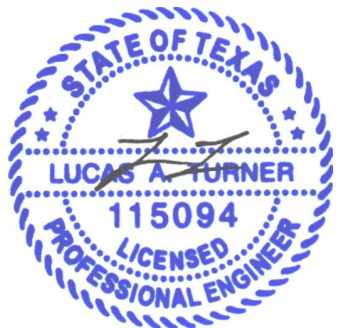


1900 SW 44TH AVE.
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8300 PVC PICTURE WINDOW NON-IMPACT

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

REVISIONS



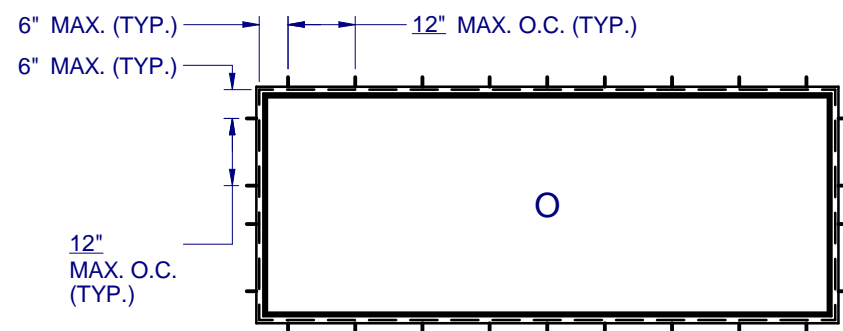
4/1/2022

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

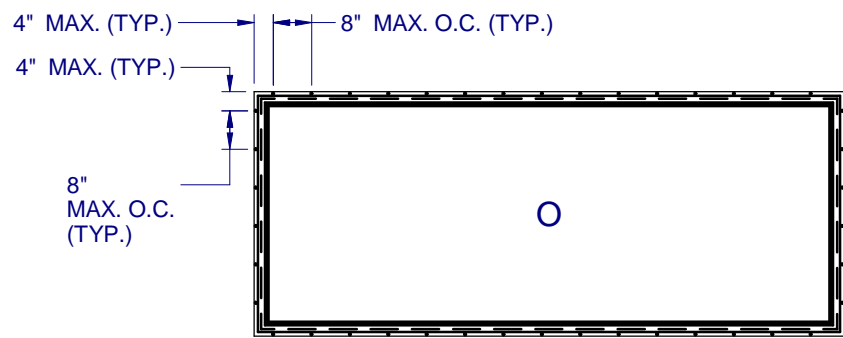
SHEET DESCRIPTION:

BOM AND EXTRUSIONS

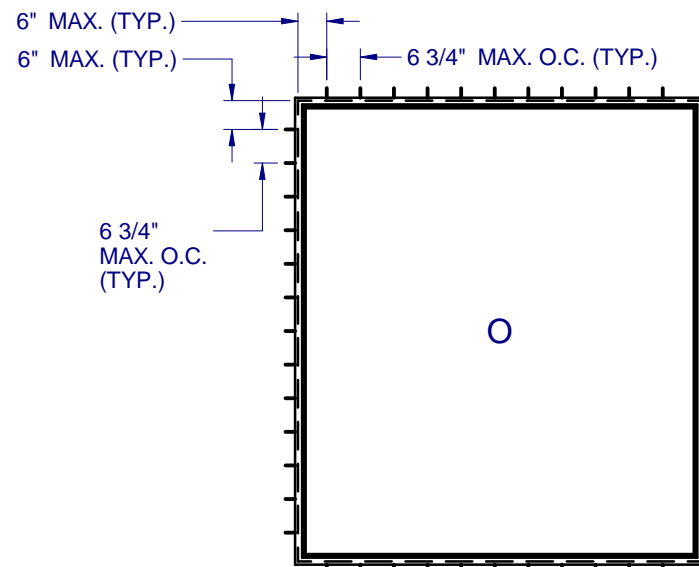
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DWG #: TDI-339	REV.: C
SCALE: 1:1	SHEET 5 OF 7



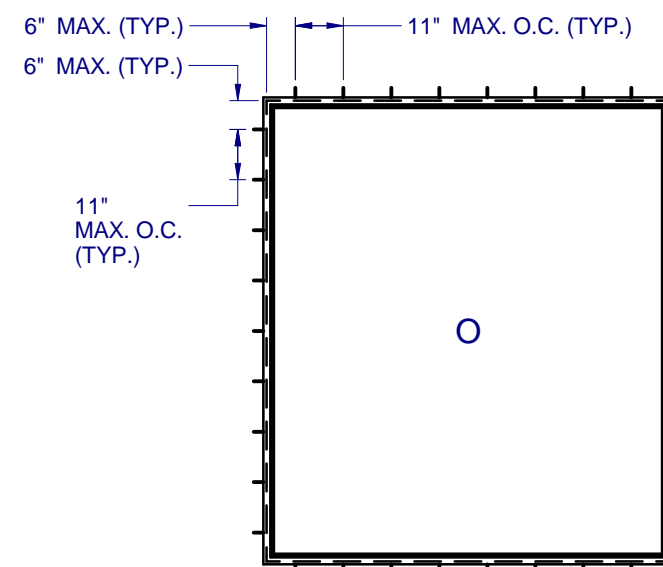
ANCHOR LAYOUT - (FLANGE)
120" x 48"
SYSTEM 2



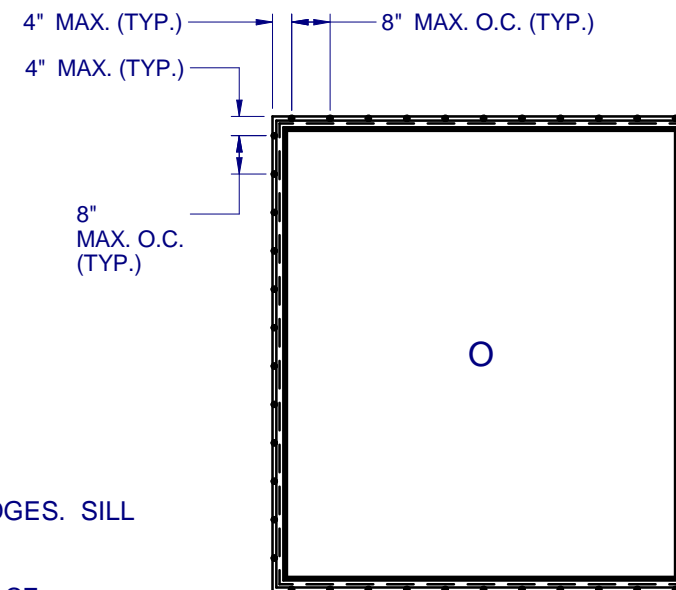
ANCHOR LAYOUT - (FIN)
120" x 48"
SYSTEM 2



ANCHOR LAYOUT - (FLANGE)
84" x 96" WITH TEMPERED GLASS
SYSTEM 3



ANCHOR LAYOUT - (FLANGE)
84" x 96" WITH ANNEALED GLASS
SYSTEM 1



ANCHOR LAYOUT - (FIN)
84" x 96"
SYSTEMS 1 AND 3

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 8.
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 8.
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 TABLE 1, SHEET 8. 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)

8300 PVC
PICTURE WINDOW
NON-IMPACT

NO.	DESCRIPTION:	BY:	DATE:
C	REVISED TO TDI REQUEST	MS	03/24/22
B	REVISED TO TDI REQUEST	JML	3/7/17
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4/1/2022

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

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

DRAWN BY: EMK	DATE: 11/11/15
DWG #: TDI-339	REV.: C
SCALE: 1:40	SHEET 6 OF 7

**8300 PVC
PICTURE WINDOW
NON-IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:
C	REVISED TO TDI REQUEST	MS	03/24/22
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A	REVISED TO TDI REQUEST	JML	8/2/16

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4/1/2022

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

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
EMK	11/11/15
DWG #:	REV.:
TDI-339	C
SCALE:	SHEET
1:2	7 OF 7

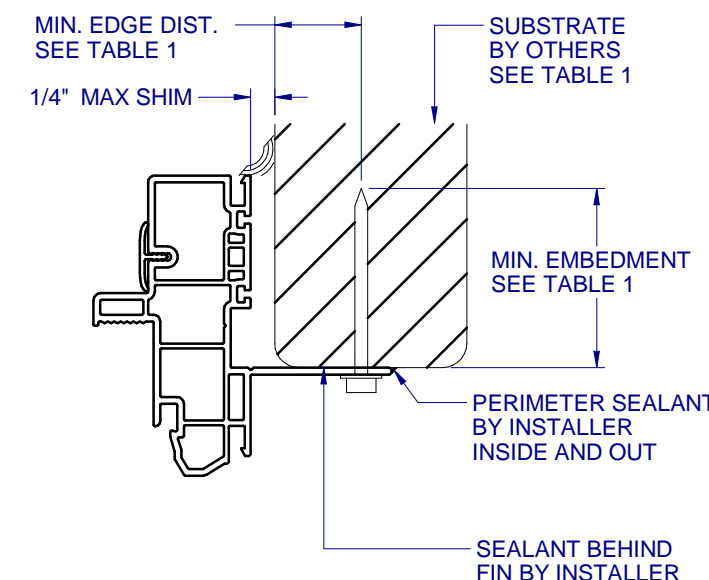
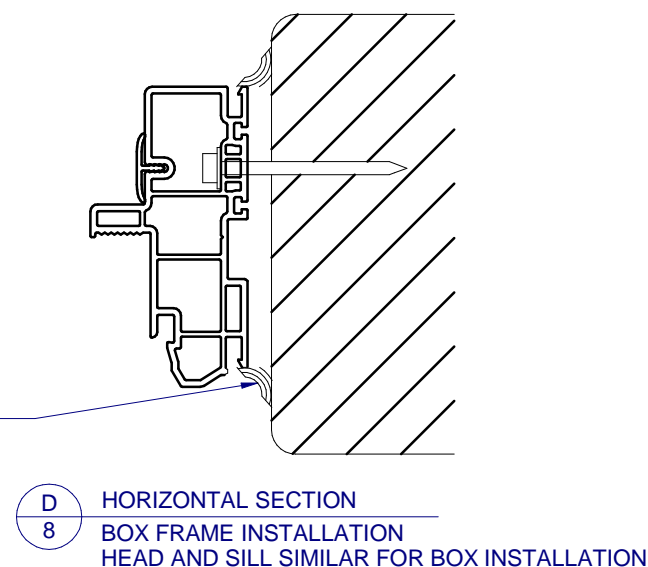
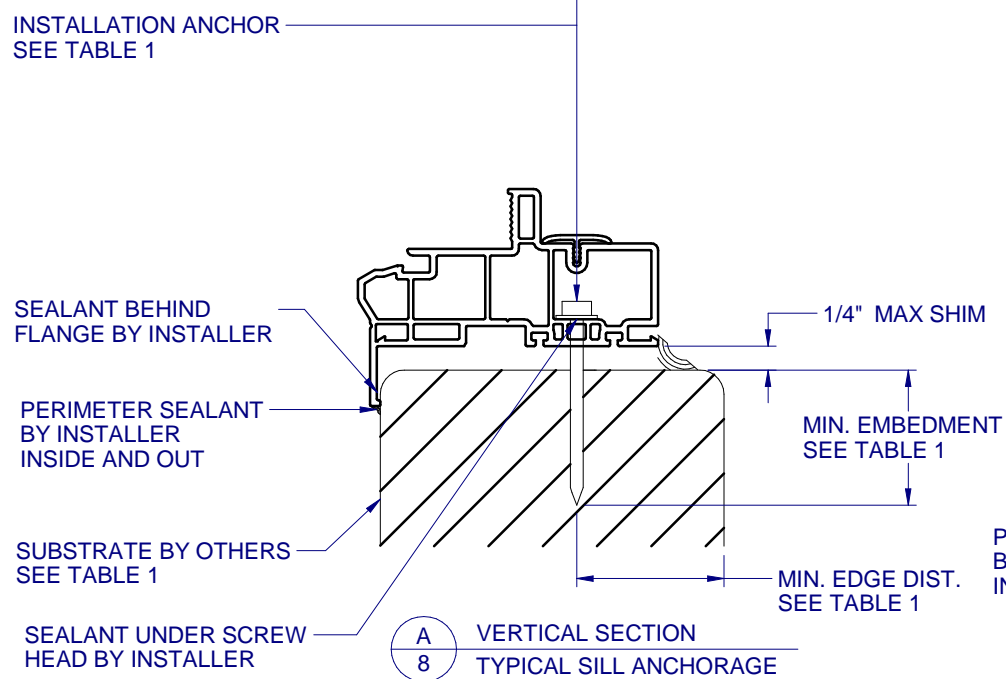
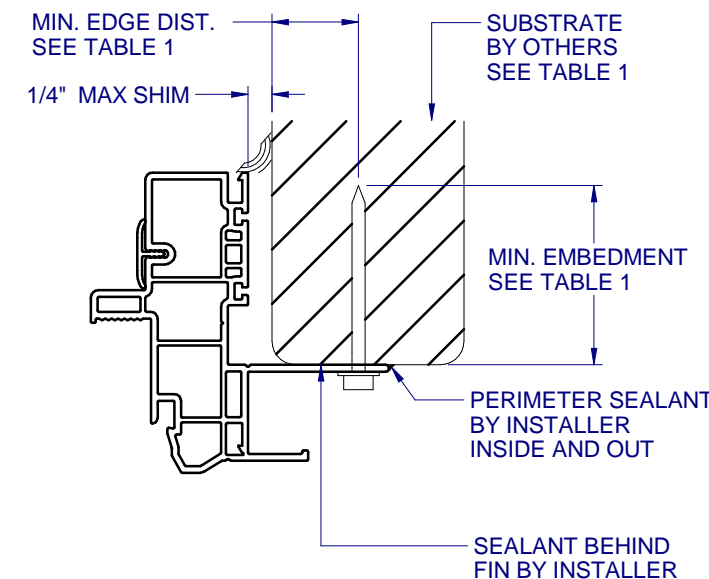
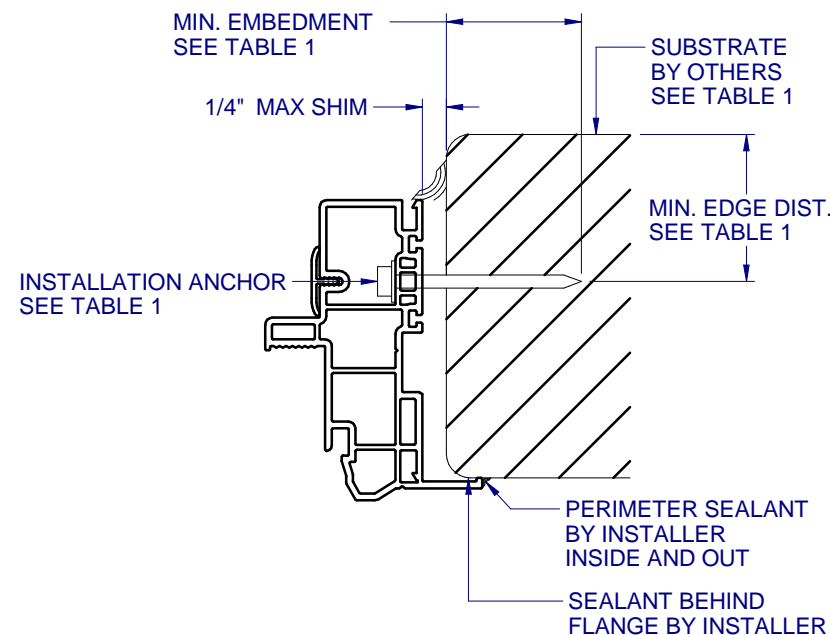
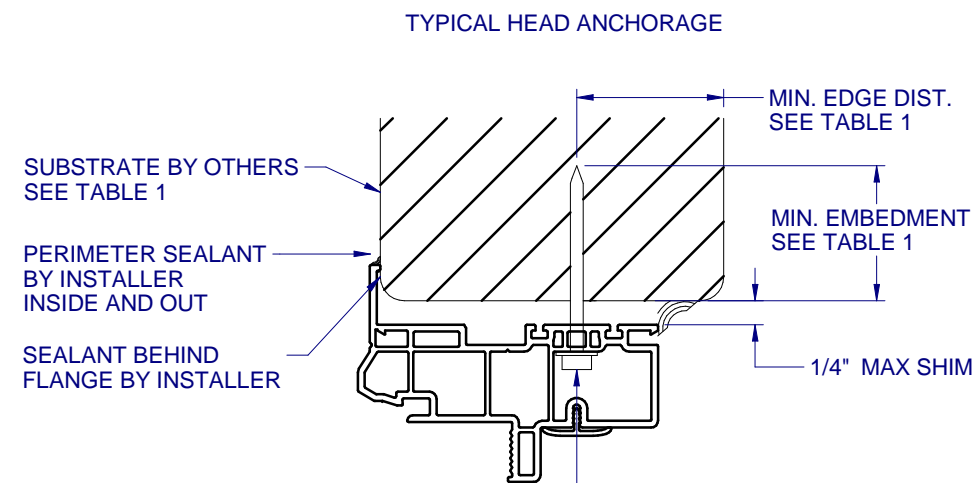


TABLE 1: APPROVED INSTALLATION FASTENERS

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 WOOD SCREW	1-3/8"	7/8"
FLANGE	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"
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)	#10 WOOD SCREW	1-1/2"	1/2"

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.