

PICTURE WINDOW - NON-IMPACT

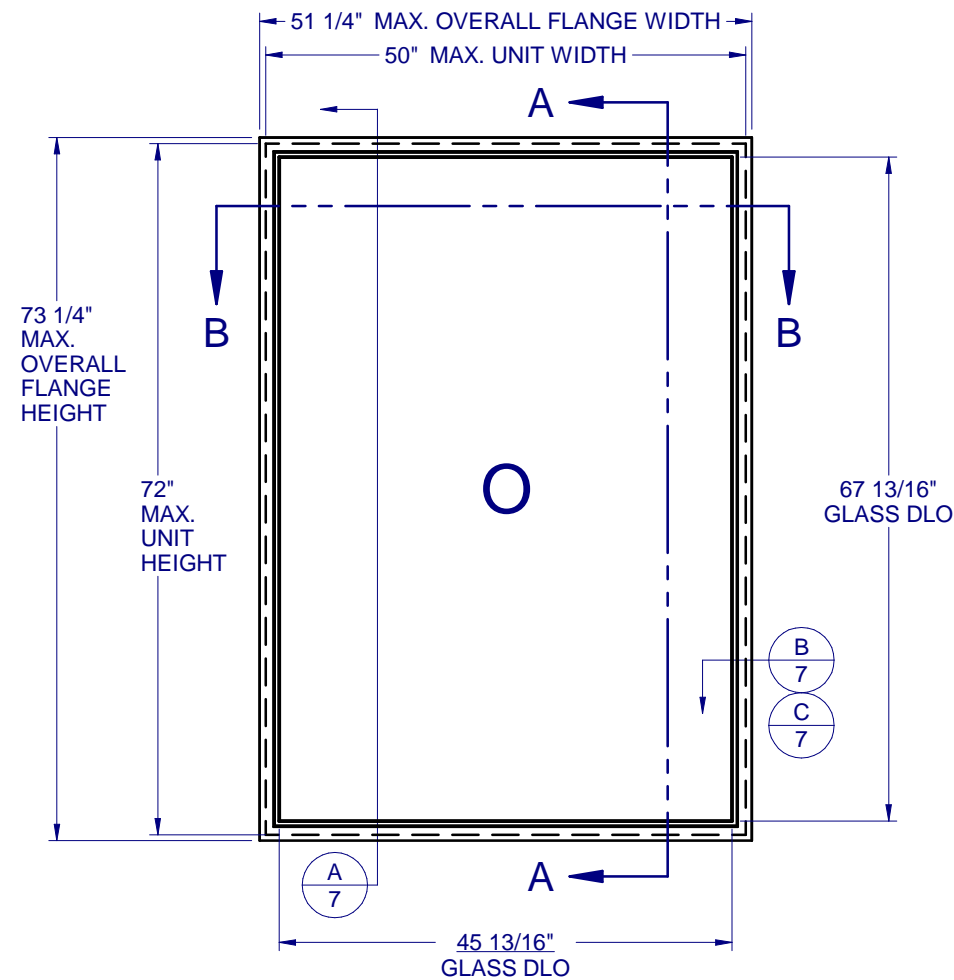


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MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
50" x 72"	SEE COMPARATIVE ANALYSIS CHART, SHEET 3	NONE

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION AND IS RATED FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. GLAZING OPTIONS: (SEE SHEET 3)
3. CONFIGURATIONS: "O". ARCHITECTURAL SHAPES INCLUDE, BUT ARE NOT LIMITED TO, THOSE SHOWN ON SHEET 2.
4. DESIGN PRESSURE RATING (SEE SHEET 3):
 -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
 -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
5. 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.
6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
7. ALL FRAMES FULLY WELDED.
8. SERIES / MODEL DESIGNATION PW-8150.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
 O = FIXED SASH
10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
11. PICTURE WINDOWS CAN BE INSTALLED IN ANY ORIENTATION



515 PVC FIXED WINDOW NON-IMPACT

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FLORIDA APPROVAL NO.:
 33453



8/15/2023

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 FL PE # 58201
 Turner Engineering & Consulting, Inc.
 2428 Old Natchez Trc Trl
 Camden, TN 38320
 PH. 941-380-1574

SHEET DESCRIPTION:
 GENERAL NOTES AND ELEVATIONS

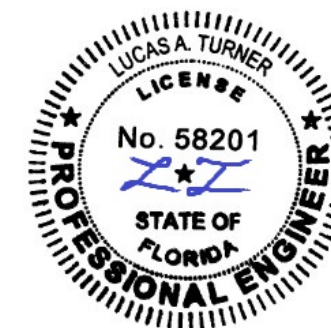
DRAWN BY: MCS	DATE: 8/9/2023
DWG #: PEL-506	REV.: A
SCALE: 1:20	SHEET 1 OF 7

**515 PVC
FIXED WINDOW
NON-IMPACT**

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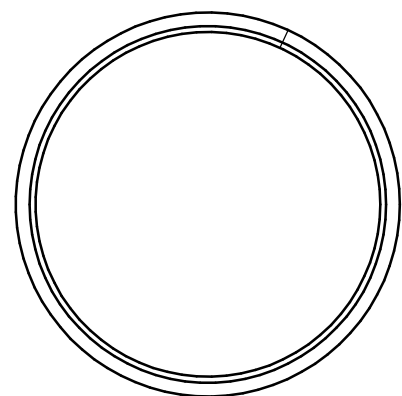
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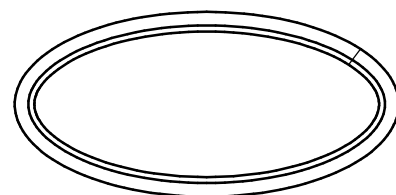
SHEET DESCRIPTION:

**ARCHITECTURAL
SHAPES**

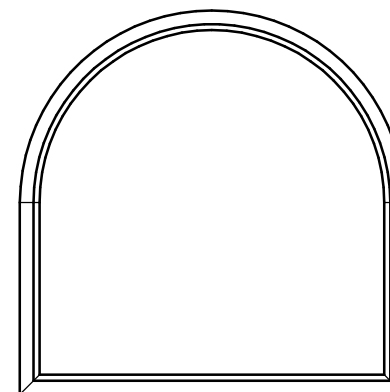
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DWG #: PEL-506	REV.: A
SCALE: 1:20	SHEET 2 OF 7



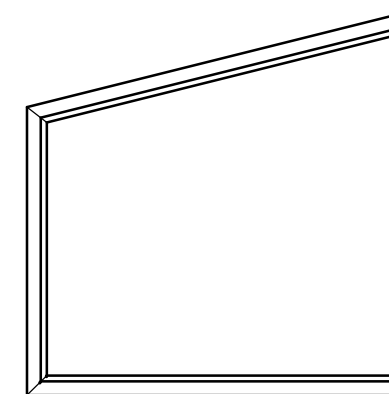
FULL CIRCLE



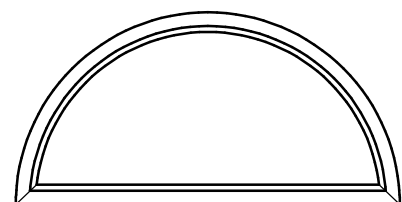
FULL ELLIPSE (OVAL)



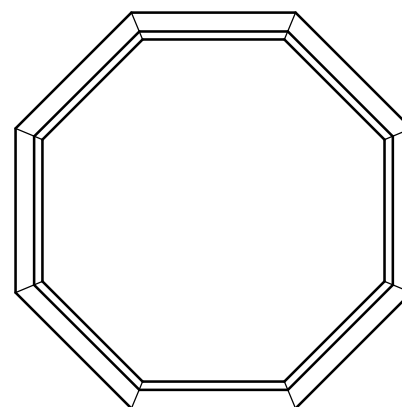
TOMBSTONE



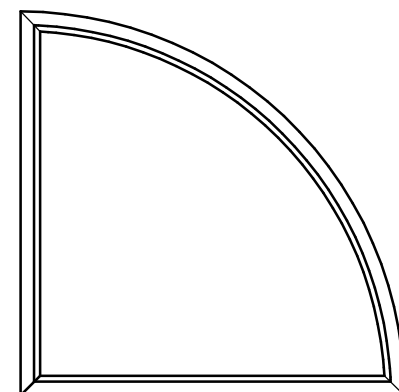
TRAPEZOID



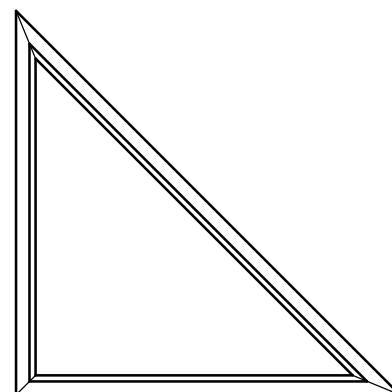
1/2 CIRCLE



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 ARCHITECTURAL FLANGE WINDOWS MUST FOLLOW THE LAYOUT SHOWN ON SHEET 6, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.

DESIGN PRESSURES WITH GLASS TYPE A OR B GLAZING (DIMENSIONS ARE UNIT SIZES)

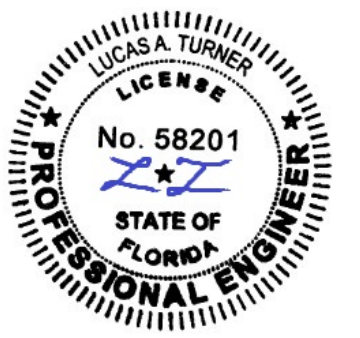
Short Side (in.)	Long Side (in.)									
	18	24	30	36	42	48	54	60	66	72
18	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5
24	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5
30	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+75.6/-75.6
36	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+74.8/-74.8	+66.5/-66.5
42	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+77.9/-77.9	+77.9/-77.9	+77.9/-77.9	+77.9/-77.9	+68.4/-68.4	+60.3/-60.3
48	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+77.9/-77.9	+59.7/-59.7	+59.7/-59.7	+59.7/-59.7	+59.7/-59.7	+56.1/-56.1
50	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+82.5/-82.5	+77.9/-77.9	+59.7/-59.7	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0	+55.0/-55.0



**515 PVC
FIXED WINDOW
NON-IMPACT**

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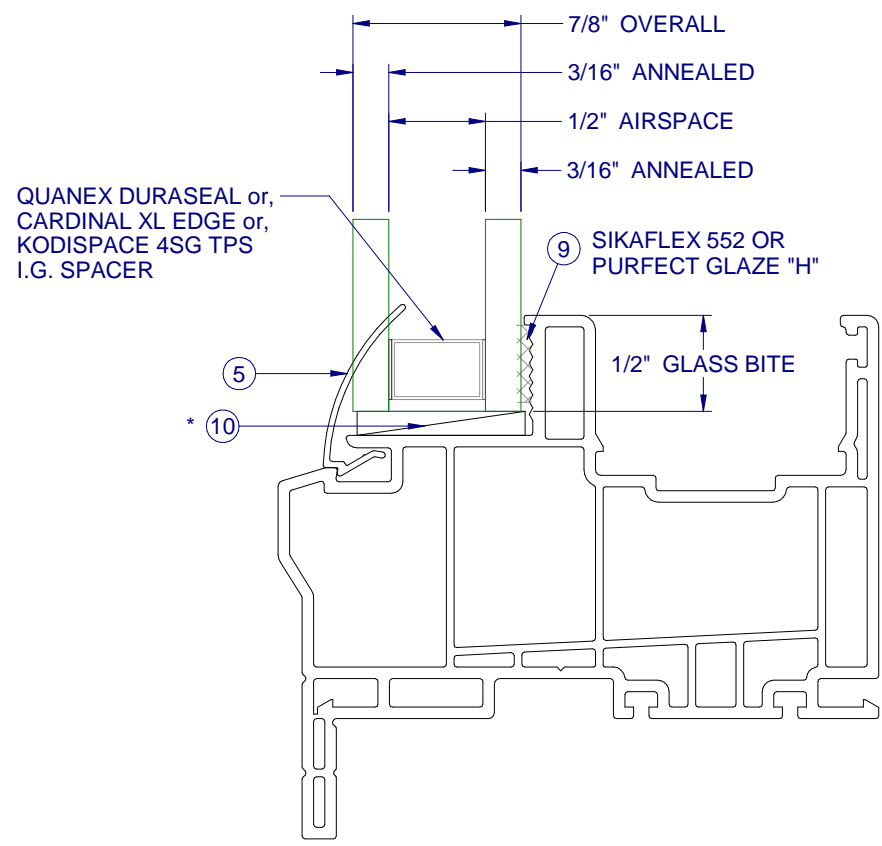
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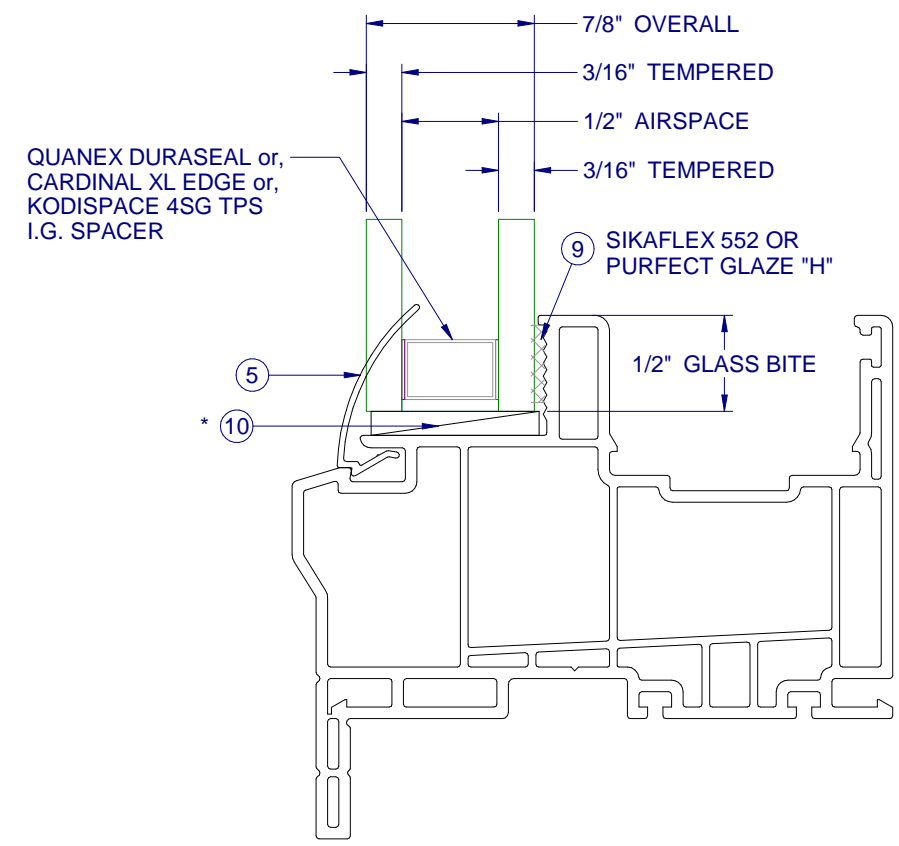
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PH. 941-380-1574

SHEET DESCRIPTION:
**COMPARATIVE ANALYSIS
AND GLAZING DETAILS**

DRAWN BY: MCS	DATE: 8/9/2023
DWG #: PEL-506	REV.: A
SCALE: 1:1	SHEET 3 OF 7



GLASS TYPE A



GLASS TYPE B

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

* SETTING BLOCKS PER FBC 2411.3.3.1

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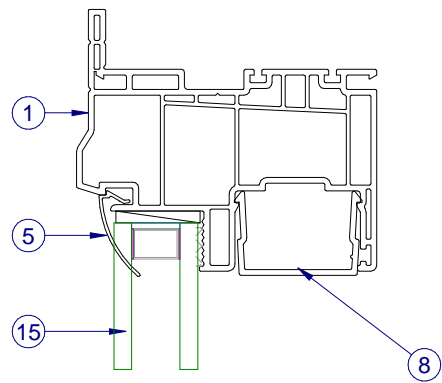
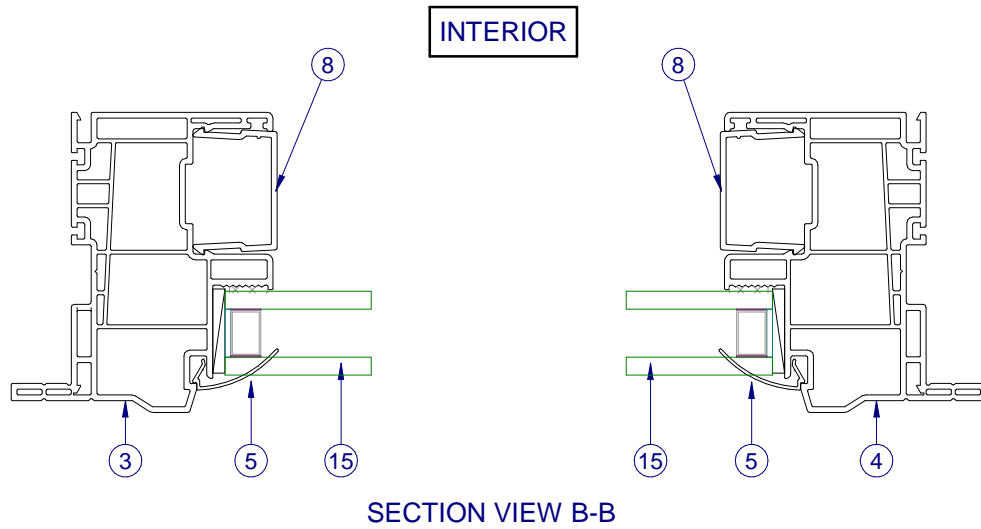
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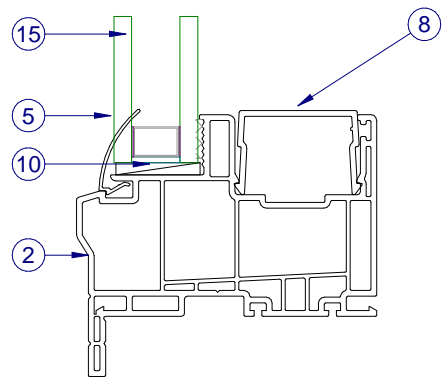
SHEET DESCRIPTION:

SECTION VIEWS

DRAWN BY: MCS	DATE: 8/9/2023
DWG #: PEL-506	REV.: A
SCALE: 1:2	SHEET 4 OF 7



INTERIOR

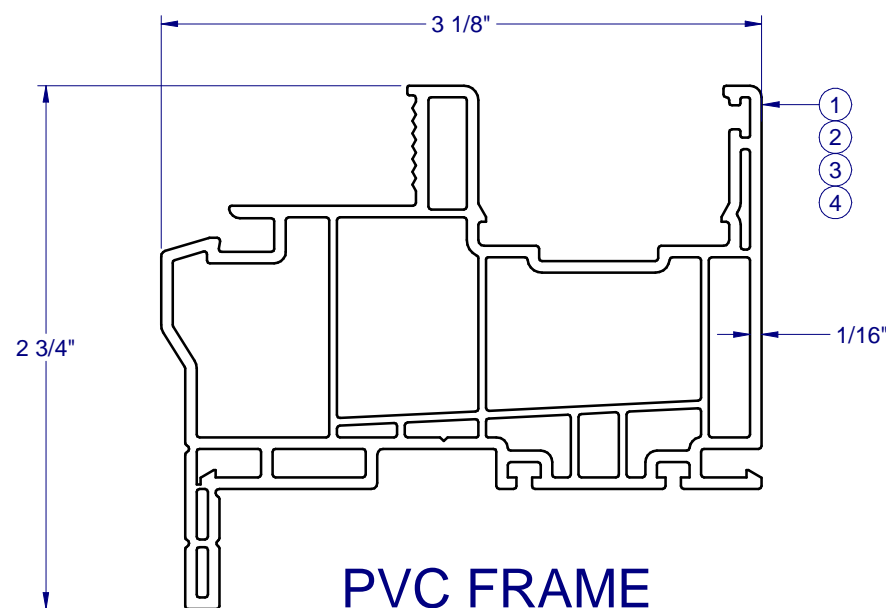


SECTION VIEW A-A

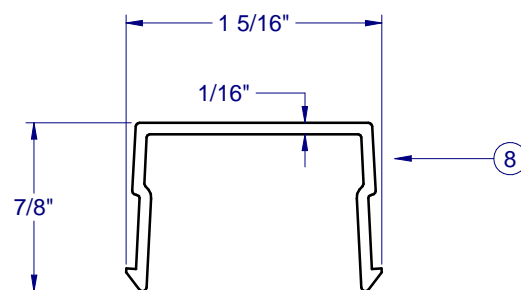
ITEMS NOT SHOWN FOR CLARITY:
 11-14

PARTS LIST			
ITEM	PART #	DESCRIPTION	MATERIAL
1	H-6222	FRAME W/FLANGE -SH	PVC
2	H-6222	FRAME W/ FLANGE -SH	PVC
3	H-6222	FRAME W/FLANGE -SH	PVC
4	H-6222	FRAME W/FLANGE -SH	PVC
5	S-6237	GLAZING BEAD, FIXED (7/8" O.A. I.G.)	PVC
8	S-6025	SASH STOP	PVC
9	P-3438	PURFECT GLAZE "H" OR SIKAFLEX 552	
10	P-5612	Setting Block, .12 x 1 x 2	Rubber
11		PW-8300 Gold Cert. Label, NFRC Tab	
13		NFRC LABEL, BLANK 4X8 LABEL	
14		LABEL, 9X9 CWS LOGO LABEL	
15		Glass, Fixed (See sheet 5)	

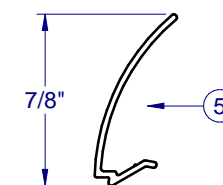
LINE ITEMS NOT USED:
6, 7, 12, 16



**PVC FRAME
FLANGE
H-6222**

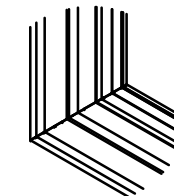


**PVC SASH
STOP
S-6025**



**PVC GLAZING
BEAD
S-6237**

**FRAME CORNER
CONSTRUCTION**



CORNER WELD
(ALL SIDES)
1:8

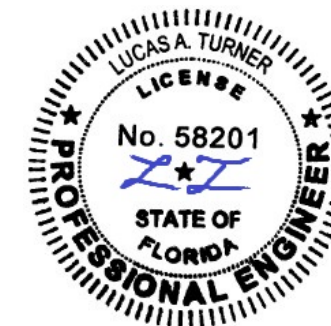


Pella Corporation
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Pella, IA 50219
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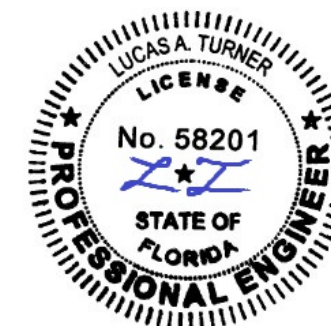
SHEET DESCRIPTION:
**DP CHART, BOM AND
EXTRUSIONS**

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DWG #: PEL-506	REV.: A
SCALE: 1:1	SHEET 5 OF 7

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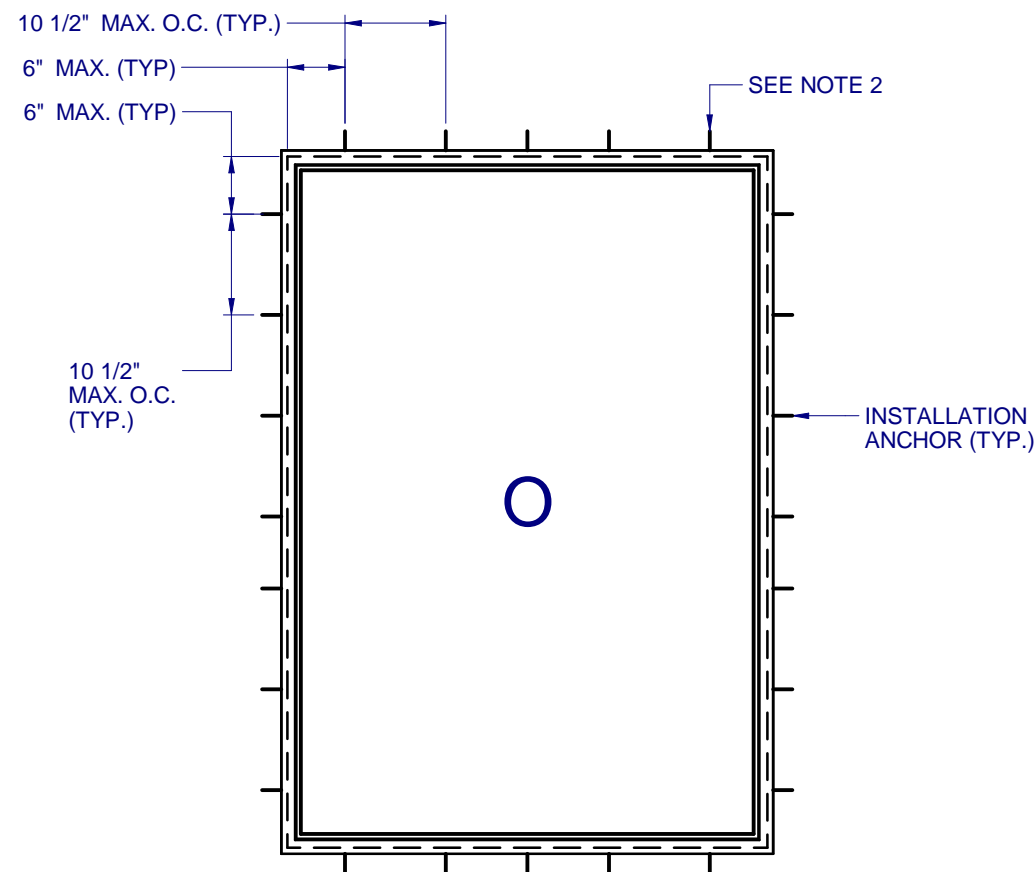


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SHEET DESCRIPTION:
**ANCHOR SCHEDULE AND
 NOTES**

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SCALE: 1:20	SHEET 6 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 TABLE 1, 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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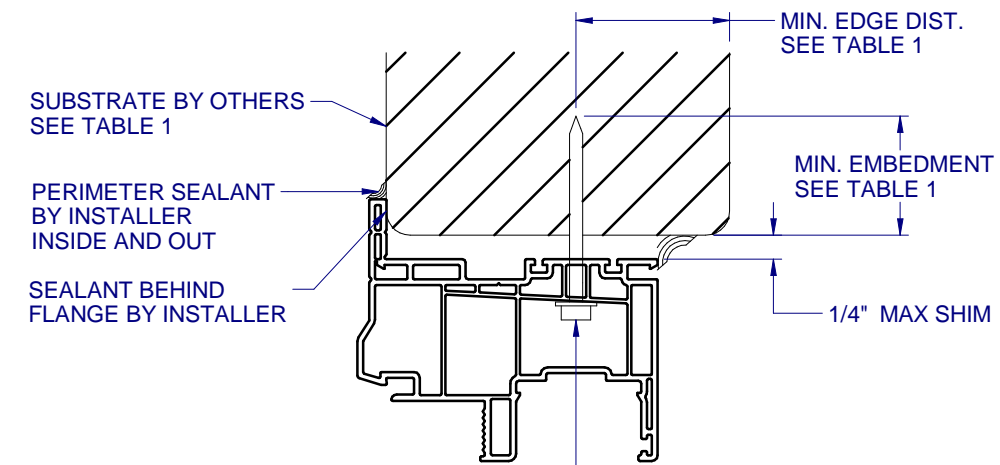


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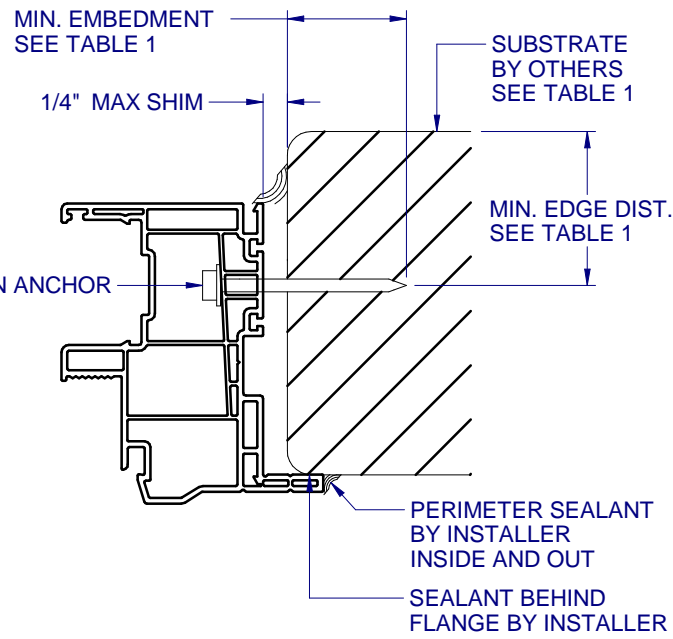
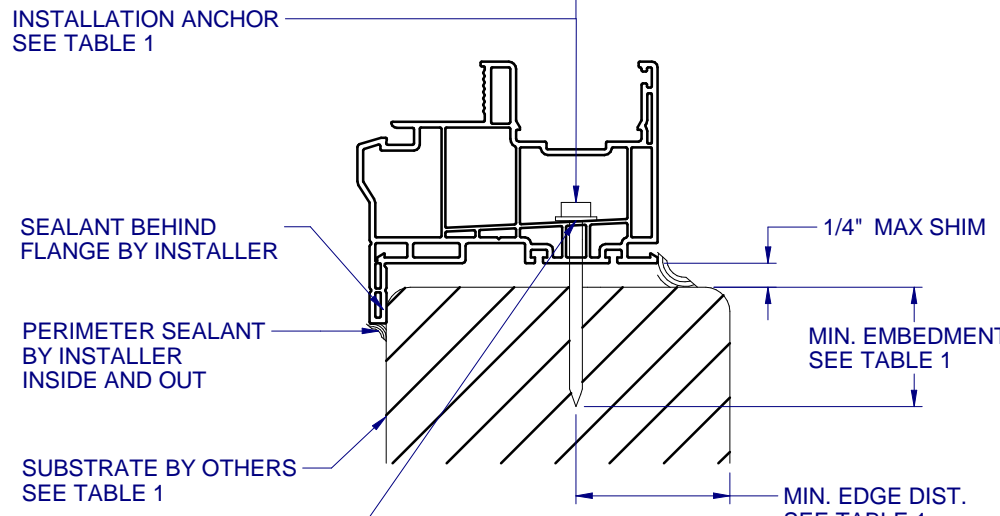
SHEET DESCRIPTION:
INSTALLATION DETAILS

DRAWN BY: MCS	DATE: 8/9/2023
DWG #: PEL-506	REV.: A
SCALE: 1:2	SHEET 7 OF 7

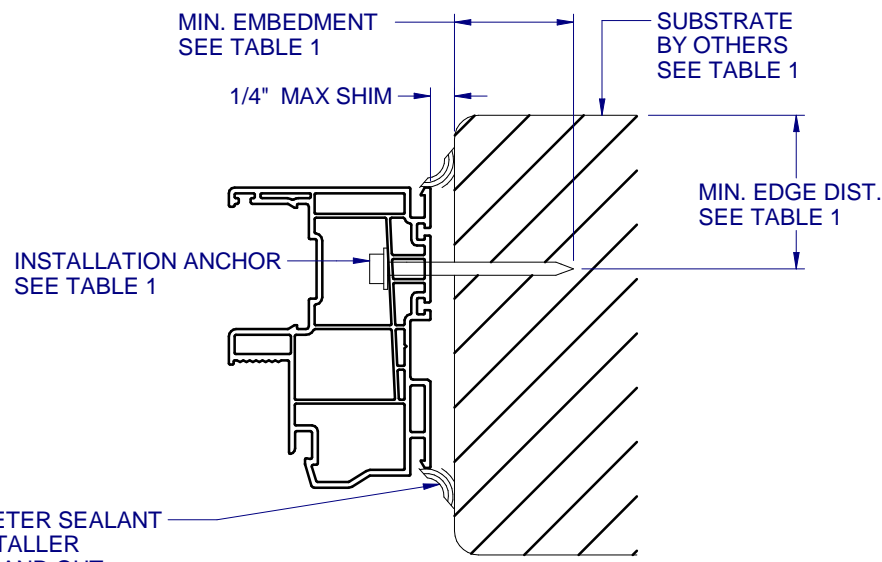
TYPICAL HEAD ANCHORAGE



A
 7
 VERTICAL SECTION
 TYPICAL SILL ANCHORAGE



B
 7
 HORIZONTAL SECTION
 TYPICAL JAMB ANCHORAGE



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.

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 (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR DEWALT 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"