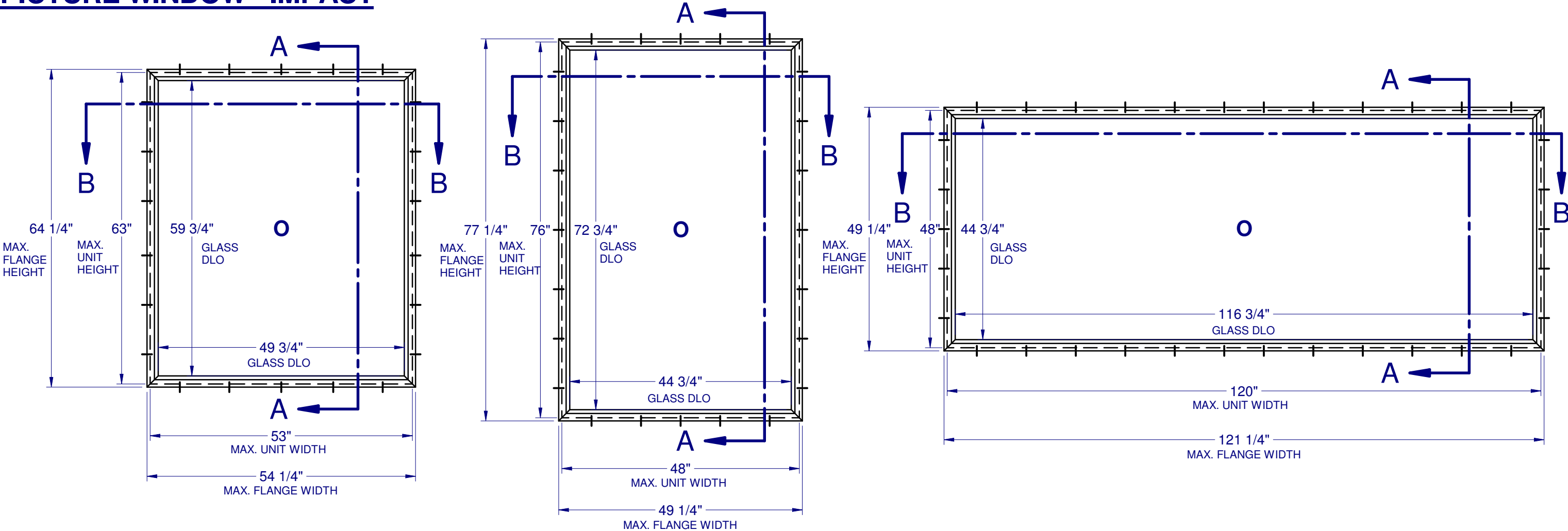


PICTURE WINDOW - IMPACT



GENERAL NOTES:

- 1.) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC),CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2.) GLAZING OPTIONS: (SEE SHT. 5)
- 3.) CONFIGURATIONS: O
- 4.) DESIGN PRESSURE RATING:
 - NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04/09.
 - POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATIONTEST RESSURE AND ASTM E-1300-04/09.
- 5.) ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 11 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 6.) THIS PRODUCT IS IMPACT RESISTANT. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED IN WINDBORNE DEBRIS REGION, INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 7.) ALL FRAMES AND VENTS FULLY WELDED.
- 8.) SERIES / MODEL DESIGNATION: PW-1350.
- 9.) THE DESIGNATION "X" OR "O" STAND FOR THE FOLLOWING:
 - "X" = OPERABLE SASH, "O" = FIXED.
- 10.) SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
53" x 63"	+65.0 / -65.0 PSF	LARGE MISSILE
48" x 76"	+50.0 / -50.0 PSF	LARGE MISSILE
120" x 48"	+50.0 / -50.0 PSF	LARGE MISSILE

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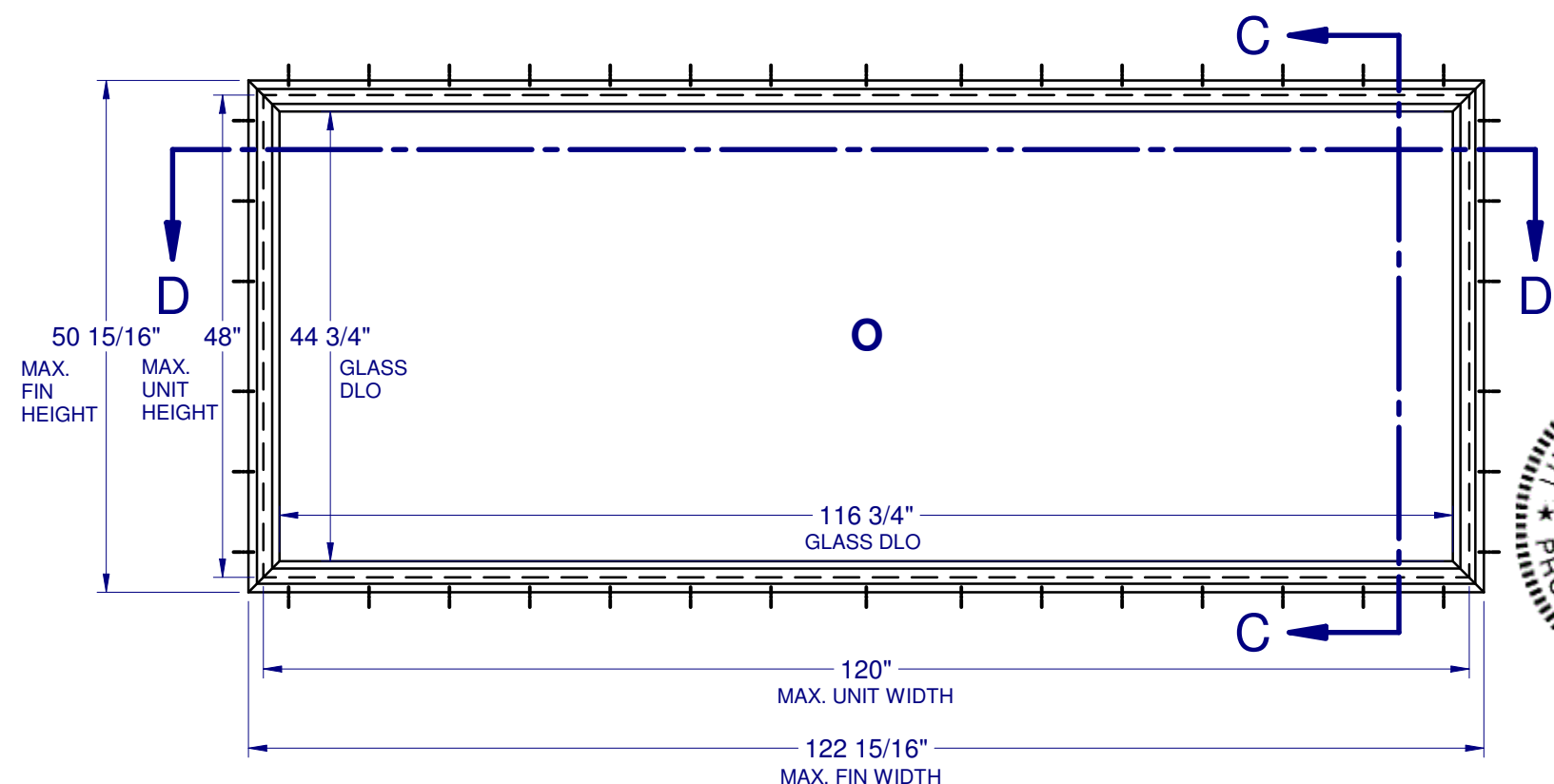
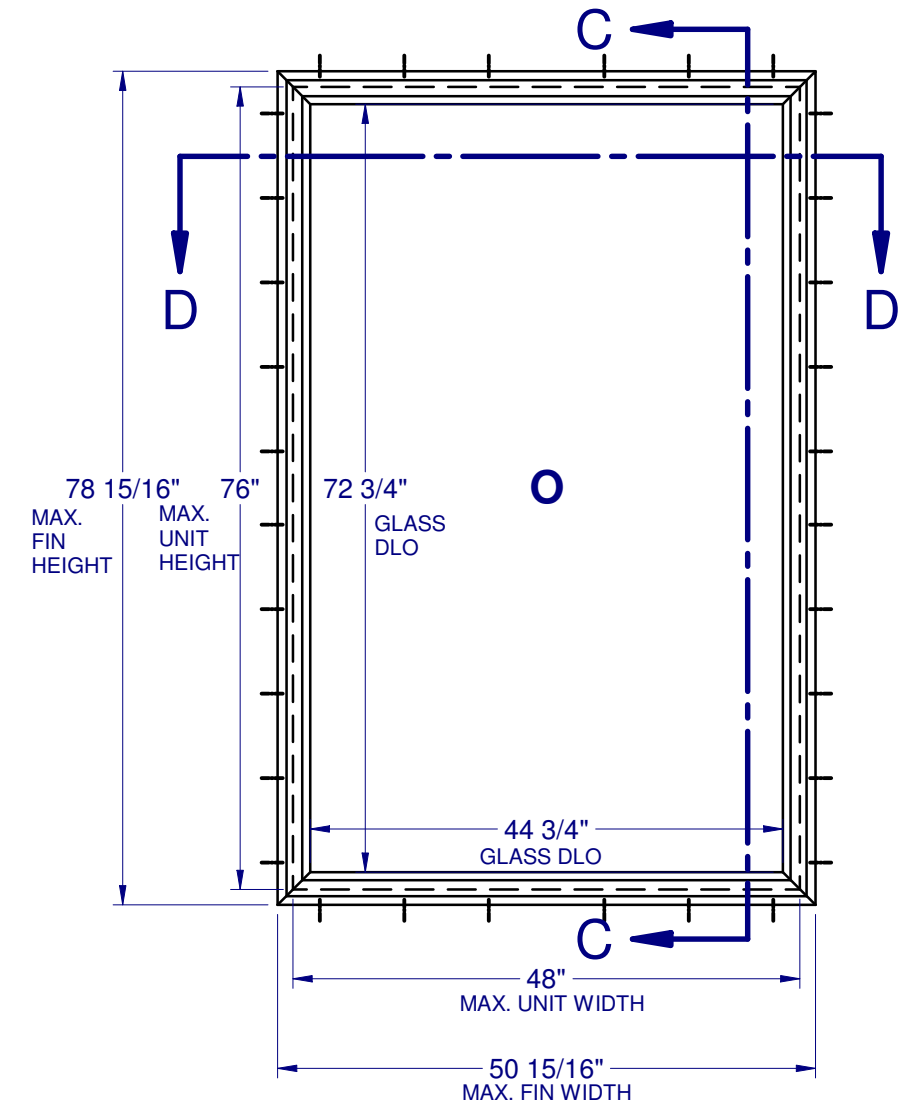
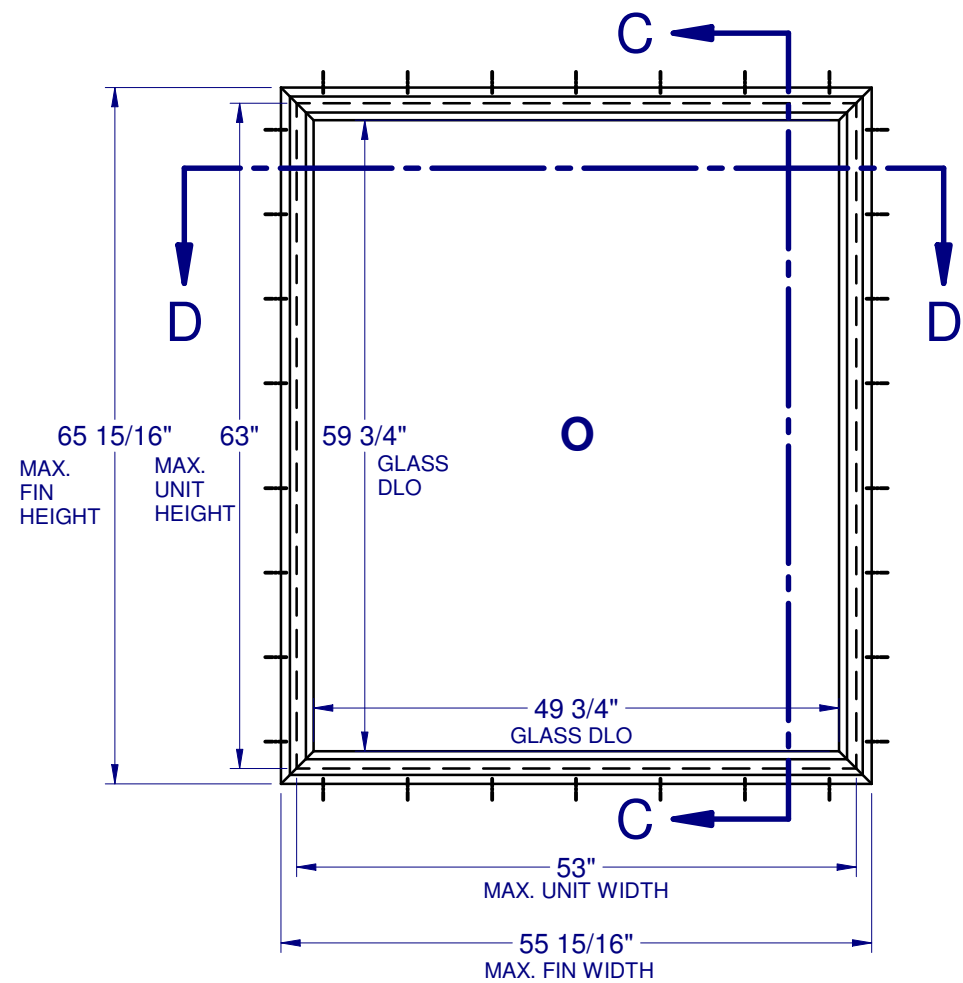
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2020.10.01
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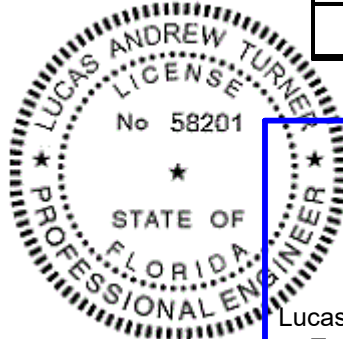
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Lucas A. Turner, FLPE #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

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TITLE: GENERAL NOTES & FLANGE ELEVATIONS		
SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
	REV. LETTER:	SHEET SHT 1 of 11



MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
53" x 63"	+65.0 / -65.0 PSF	LARGE MISSILE
48" x 76"	+50.0 / -50.0 PSF	LARGE MISSILE
120" x 48"	+50.0 / -50.0 PSF	LARGE MISSILE



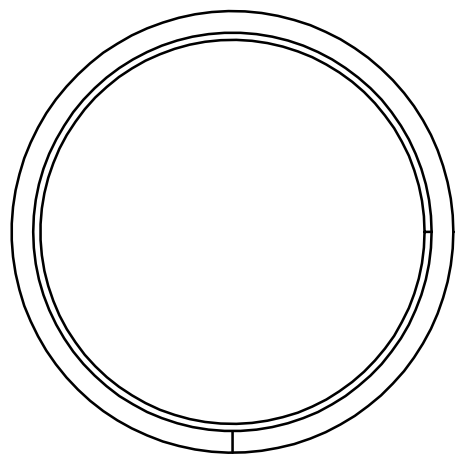
ZZ

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 FBPE COA #29779
 2428 Old Natchez Trc. Trl.
 Camden, TN 38320
 Ph. 941-380-1574

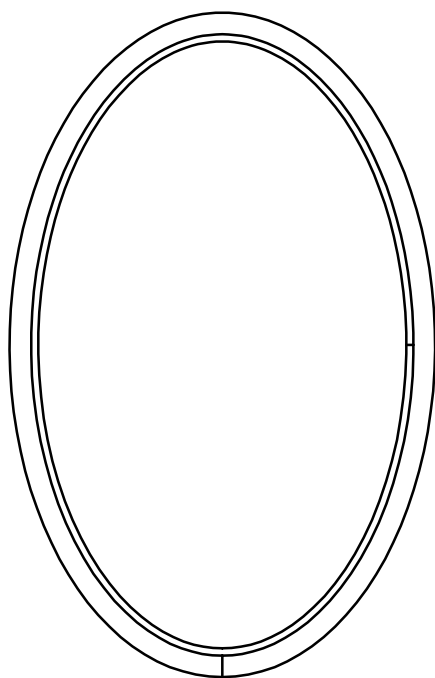


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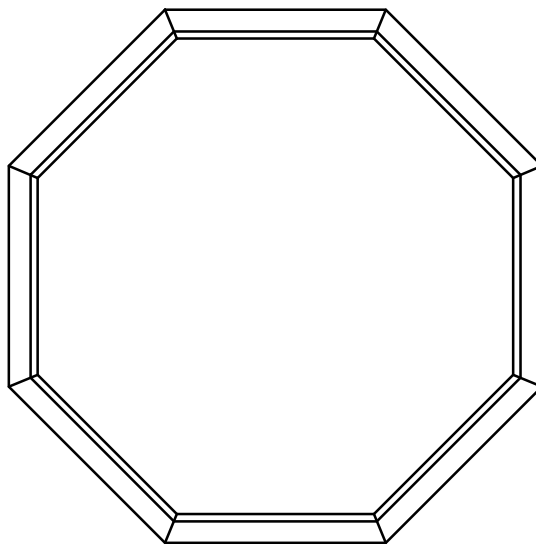
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SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
	REV. LETTER:	SHEET SHT 2 of 11



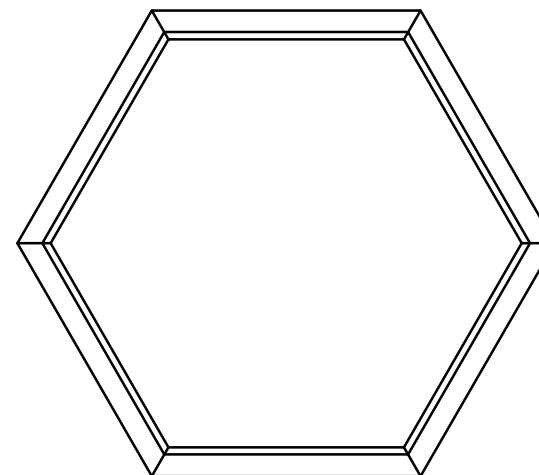
FULL CIRCLE



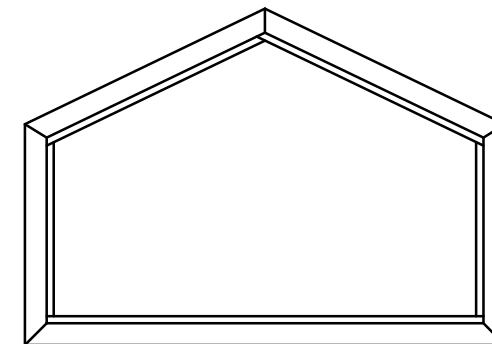
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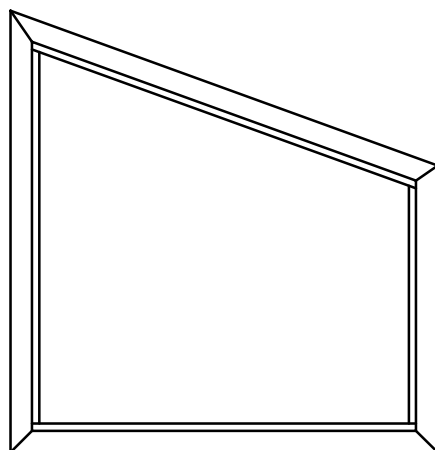
OCTAGON



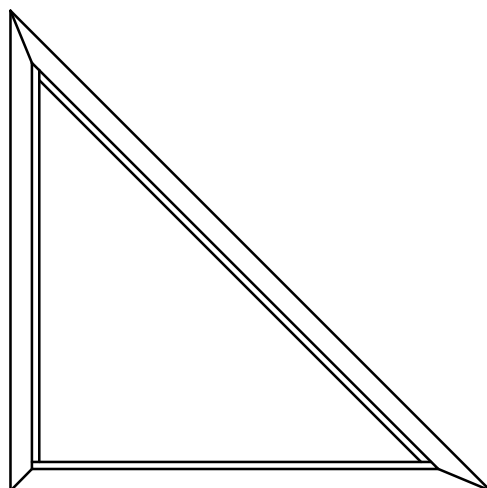
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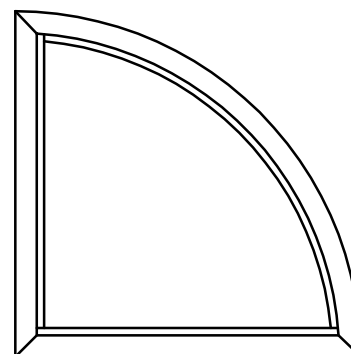
DOG HOUSE



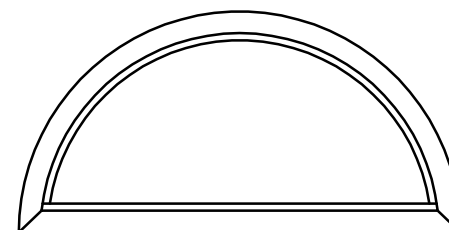
TRAPEZOID



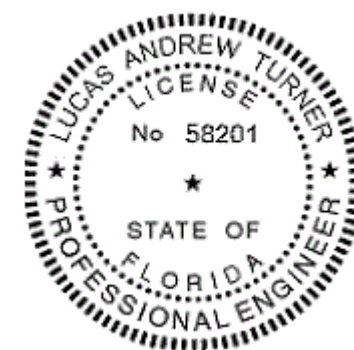
TRIANGLE



QUARTER CIRCLE

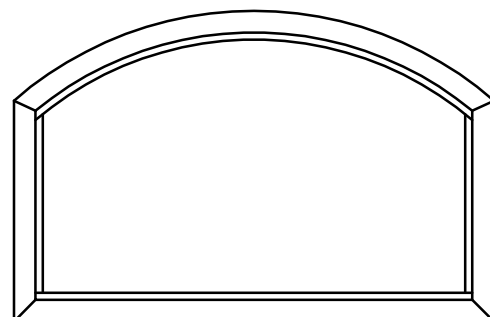


HALF CIRCLE

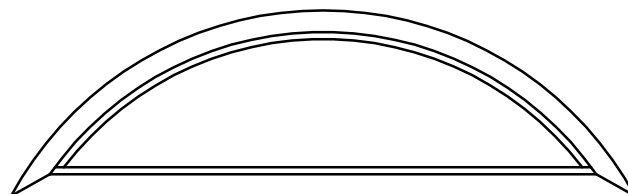


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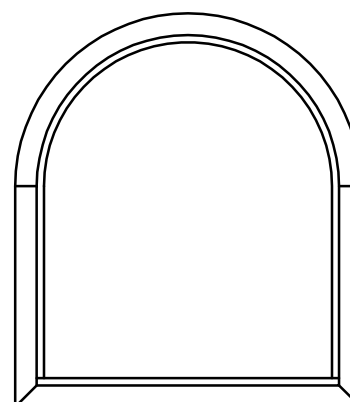
- 1.) SEE SHEET 6 & 7 FOR DETAILED ANCHOR INSTALLATION REQUIREMENTS.
- 2.) THRU FRAME - MASONRY, WOOD OR METAL OPENING.
THRU FIN - WOOD OPENING
- 3.) OVERALL SIZE MUST NOT EXCEED THE MAX. WIDTH AND HEIGHT OF RECTANGULAR WINDOWS ON SHEETS 1 & 2.
- 4.) ANCHOR SPACING FOR ARCHITECTURAL FLANGE AND FIN WINDOWS MUST FOLLOW THE LAYOUT SHOWN ON SHEETS 6 & 7, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.



EYEBROW



FAN



ARCH

ZZ

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Lucas A. Turner, FLPE #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574



8501 N. W. 90th Street
Medley, FL 33166

TITLE: ARCHITECTURAL SHAPES

SERIES: PW-1350

DRAWN BY: JML

DATE: 06/06/2019

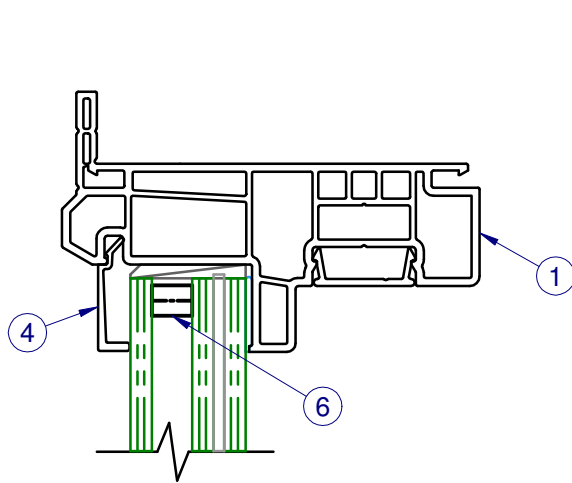
MODEL:

SCALE: N.T.S.

DWG. NO.
L-1350-1901

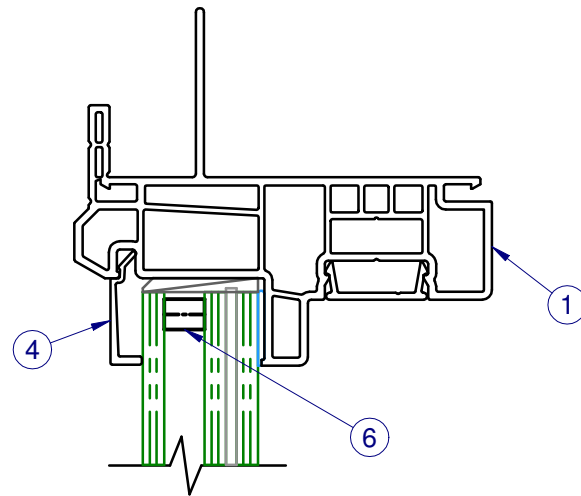
REV. LETTER:

SHEET
SHT 3 of 11



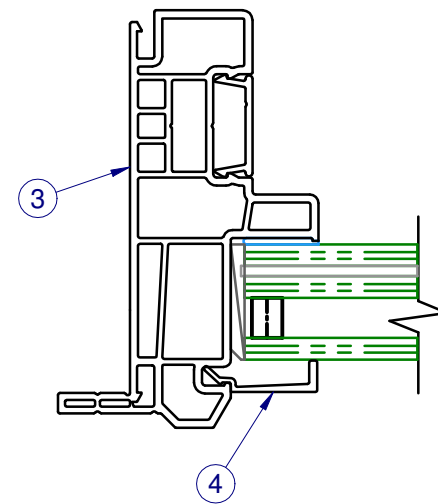
EXTERIOR

INTERIOR



EXTERIOR

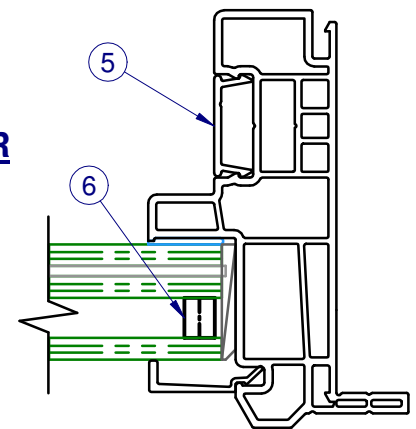
INTERIOR



INTERIOR

EXTERIOR

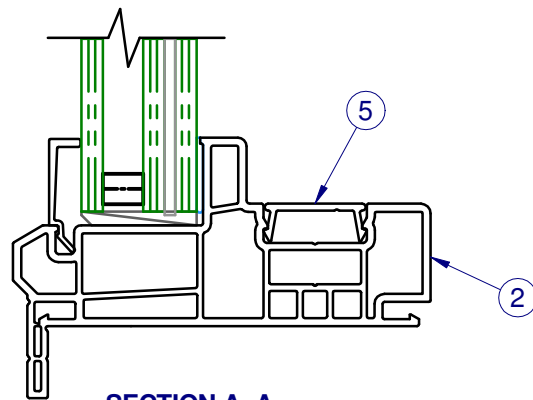
SECTION B - B
FLANGE FRAME



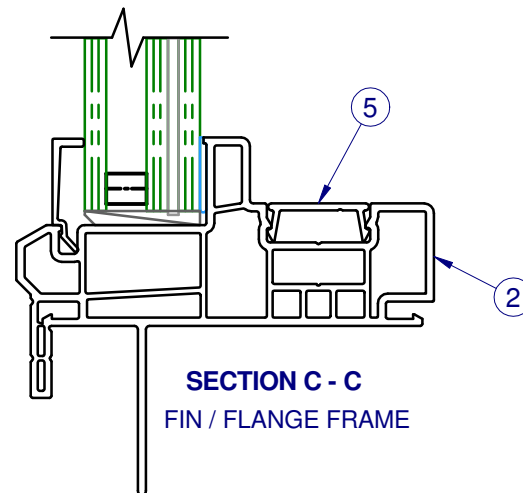
INTERIOR

EXTERIOR

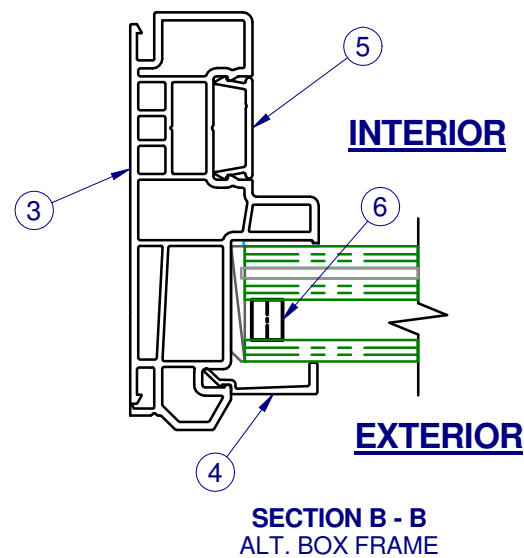
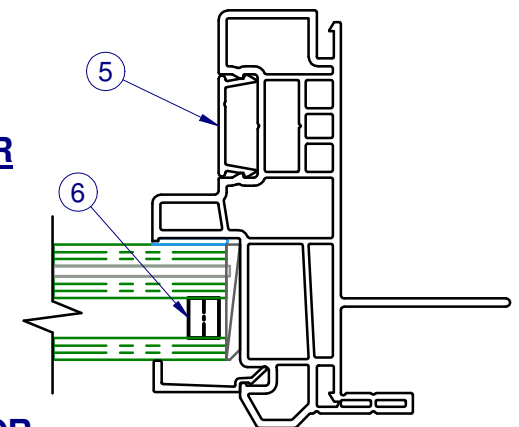
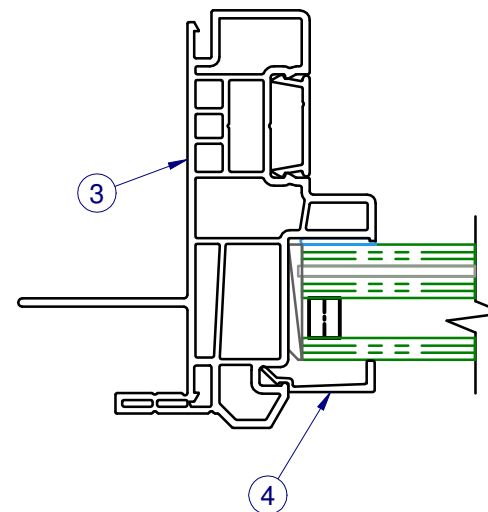
SECTION D - D
FIN / FLANGE FRAME



SECTION A - A
FLANGE FRAME



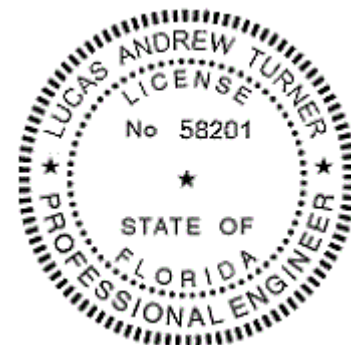
SECTION C - C
FIN / FLANGE FRAME



INTERIOR

EXTERIOR

SECTION B - B
ALT. BOX FRAME



ZZ

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8501 N. W. 90th Street
Medley, FL 33166

TITLE: SECTION VIEWS

SERIES: PW-1350

DRAWN BY: JML

DATE: 06/06/2019

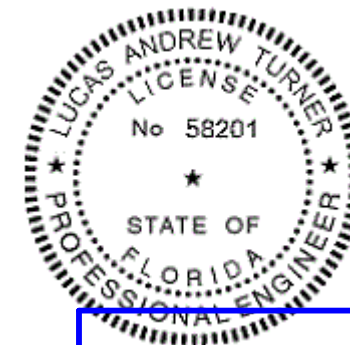
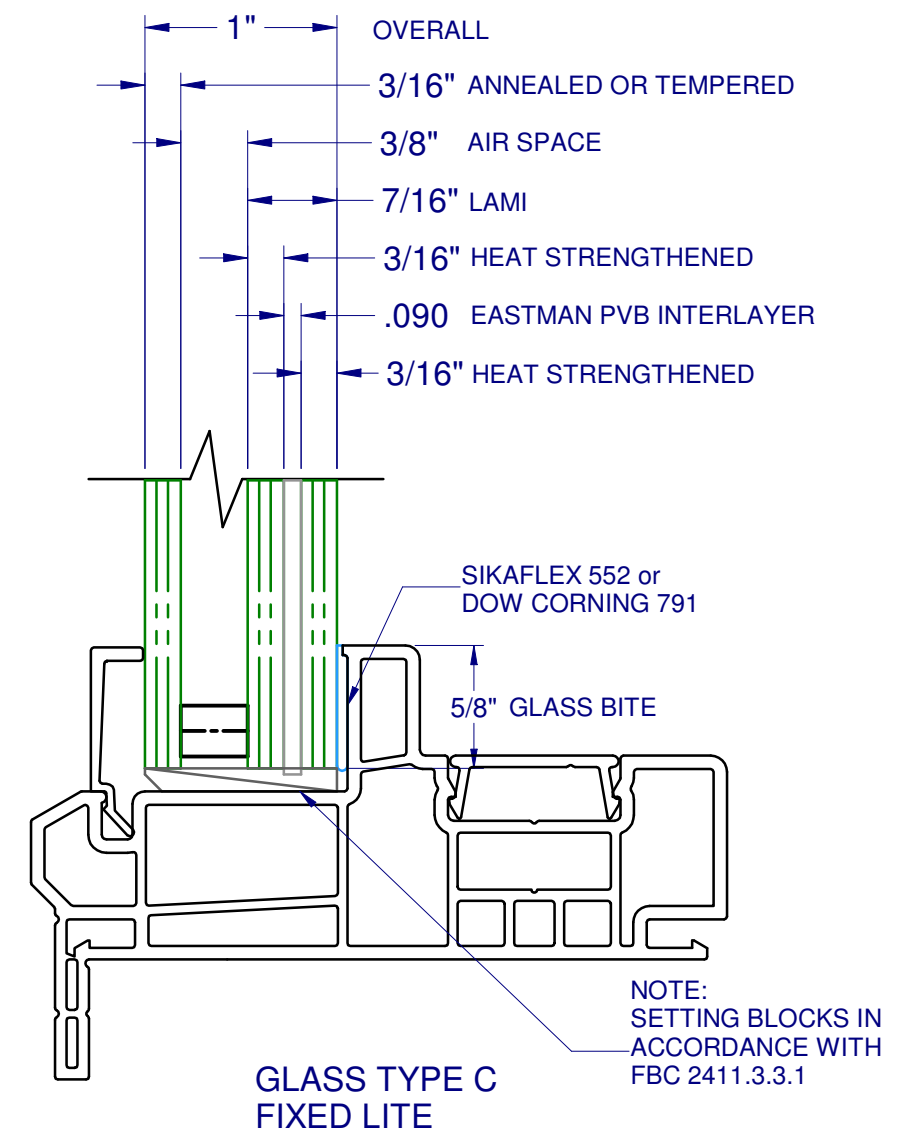
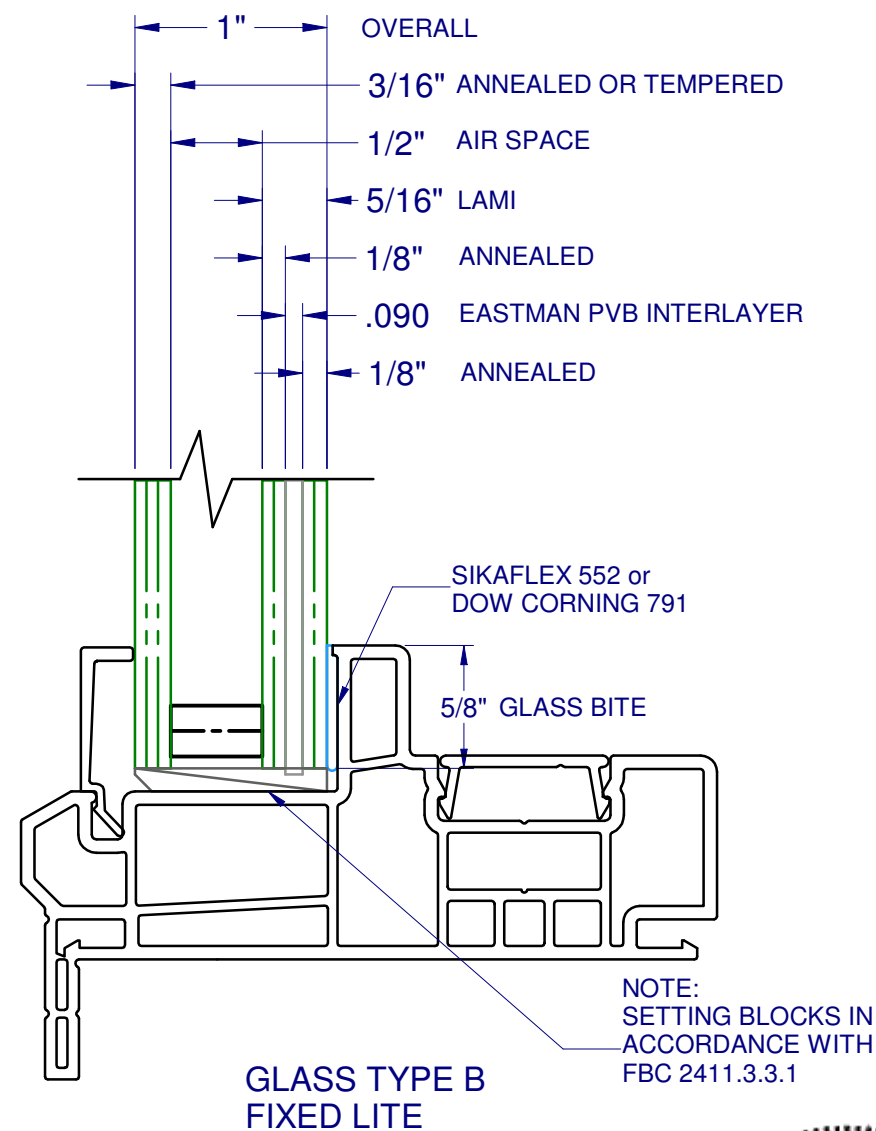
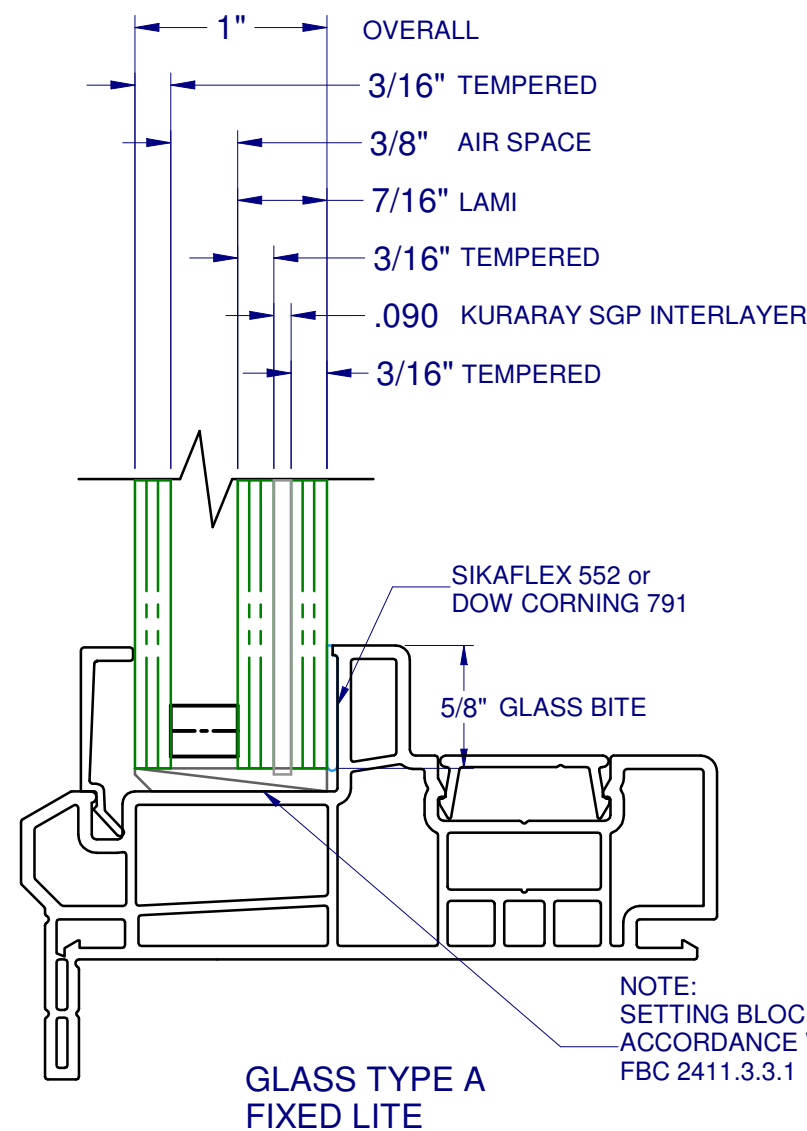
MODEL:

SCALE: N.T.S.

DWG. NO. L-1350-1901

REV. LETTER:

SHEET SHT 4 of 11



MAX. UNIT SIZE	DESIGN PRESSURE RATING	FIXED GLASS TYPE
53" x 63"	+65.0 / -65.0 PSF	C
48" x 76"	+50.0 / -50.0 PSF	B
120" x 48"	+50.0 / -50.0 PSF	A

LT

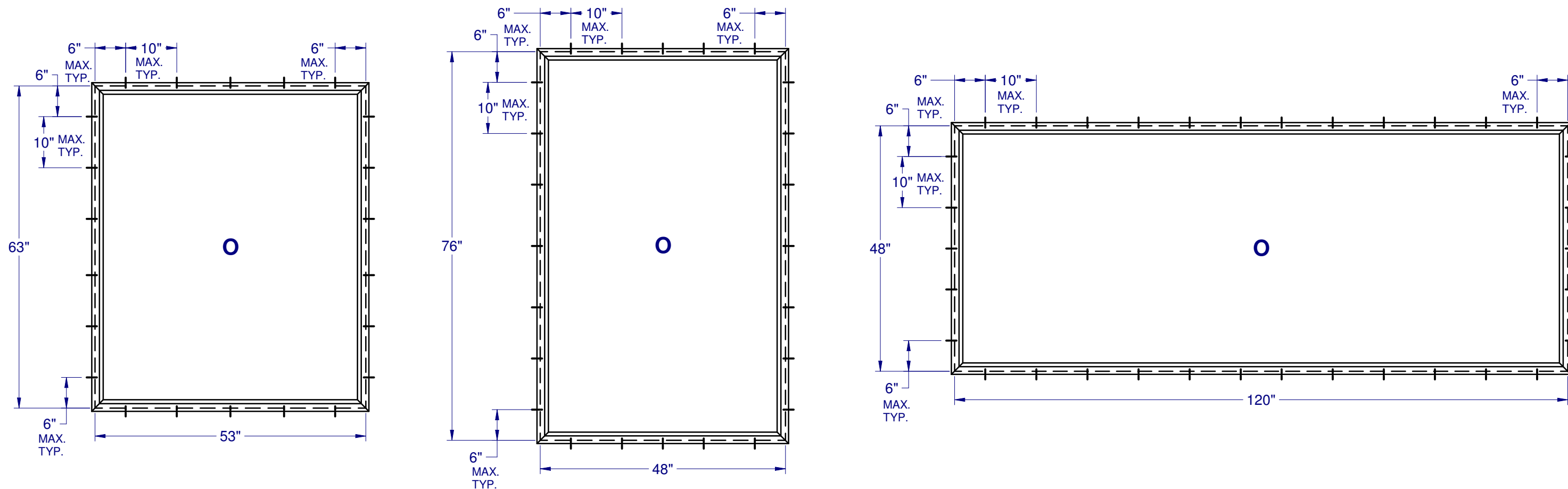
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Camden, TN 38320
Ph. 941-380-1574

LAWSON
INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

TITLE: GLAZING DETAILS

SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
	REV. LETTER:	SHEET SHT 5 of 11



- NOTES:
- 1.) INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION.
 - 2.) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE $\frac{1}{4}$ ".
USE SHIMS WHERE SPACE GREATER THAT $\frac{1}{16}$ " 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 11
 - 4.) ALL INSTALLATIN 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 ACNHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 11.
 - 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 THE SUBSTRATE. INSTALLATIONS INTO 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 TRASFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 11. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
 - 9.) SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHER FOLLOWING THE CURRENT VERSION OF THE REFERENCED DOCUMENTS: FMA/AAMA 100 (FIN WINDOWS), FMA/AAMA 200 (FLANGE WINDOWS), FMA/WDMA 250 (BOX WINDOWS), FMA/AAMA/WDMA 300 (EXTERIOR DOORS).



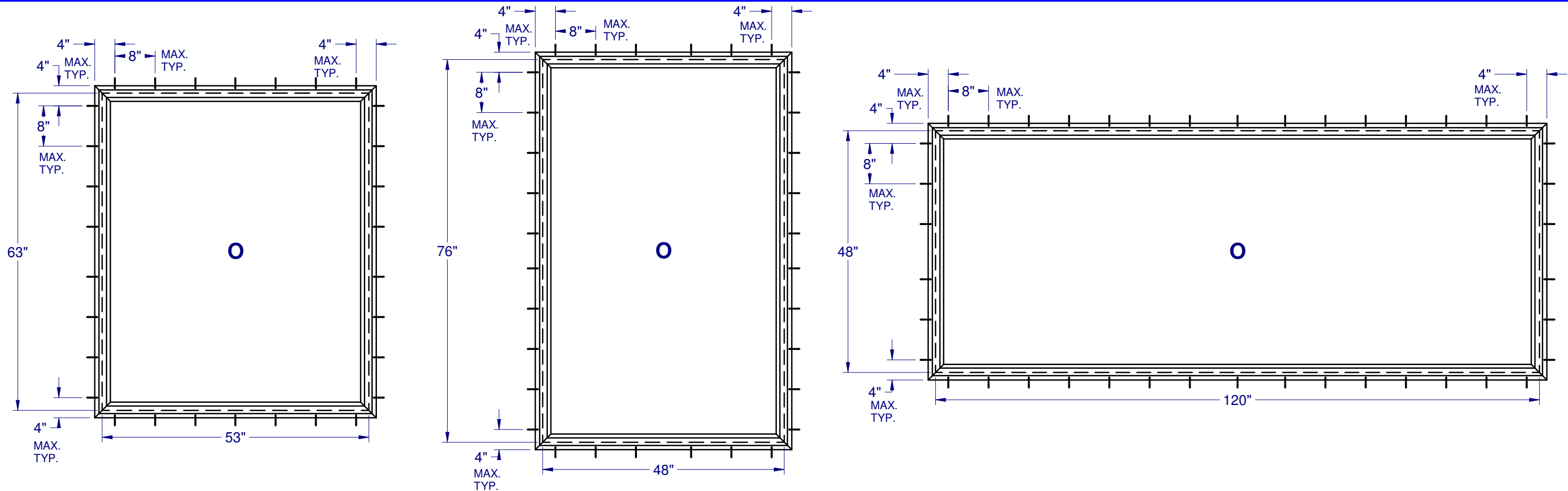
27

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Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
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8501 N. W. 90th Street
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TITLE: ANCHOR SCHEDULE & NOTES, FLANGE & BOX		
SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
	REV. LETTER:	SHEET SHT 6 of 11



- NOTES:
- 1.) INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION.
 - 2.) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE $\frac{1}{4}$ ".
USE SHIMS WHERE SPACE GREATER THAT $\frac{1}{16}$ " 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 11.
 - 4.) ALL INSTALLATIN 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 ACNHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 11.
 - 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 THE SUBSTRATE. INSTALLATIONS INTO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
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 - 8.) WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRASFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 11. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
 - 9.) SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHER FOLLOWING THE CURRENT VERSION OF THE REFERENCED 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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Lucas A. Turner, FLPE #58201
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FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

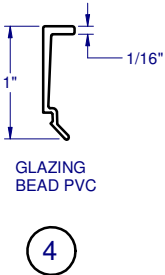
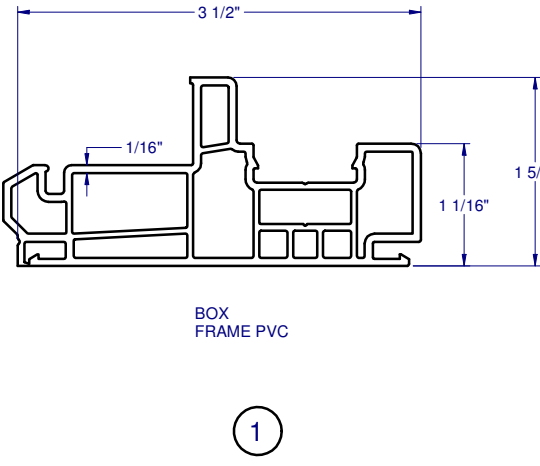
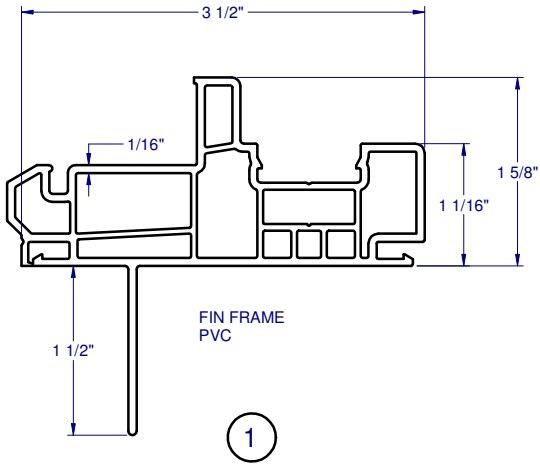
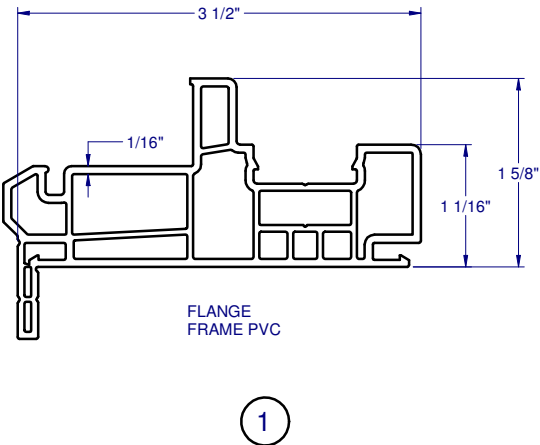
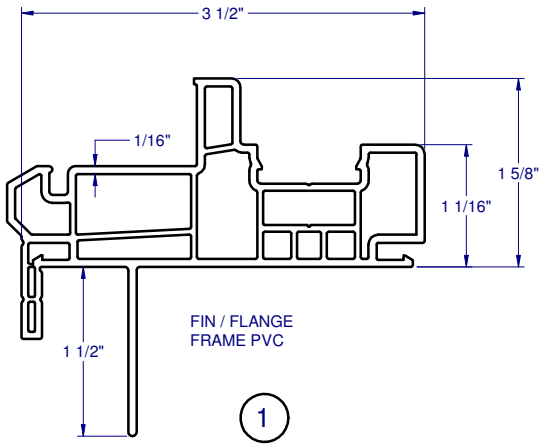


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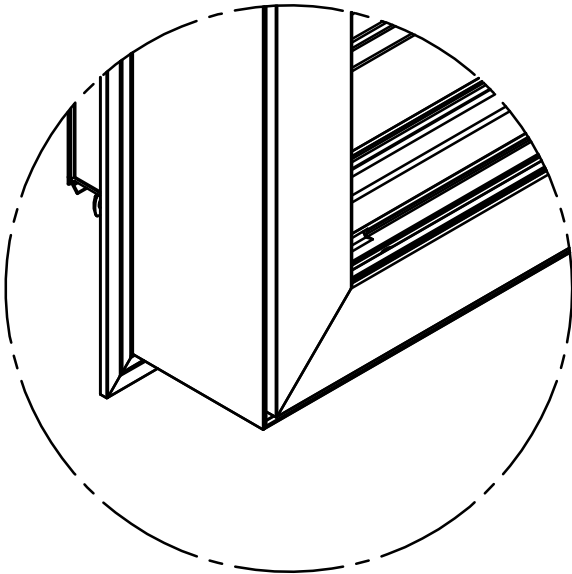
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SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
	REV. LETTER:	SHEET SHT 7 of 11

BILL OF MATERIALS				
Item	Description	Material	Vendor	Vendor #
1	Frame, Head	Rigid PVC	MIKRON	10538
2	Frame, Sill	Rigid PVC	MIKRON	10538
3	Frame, Jamb	Rigid PVC	MIKRON	10538
4	Glazing Bead, 7/8" (Fixed)	Rigid PVC	MIKRON	10276
5	Install Hole Cover	Rigid PVC	MIKRON	10174
6	Duraseal Spacer		QUANEX	



FRAME CORNER CONSTRUCTION



CORNER WELD
ALL FOUR SIDES

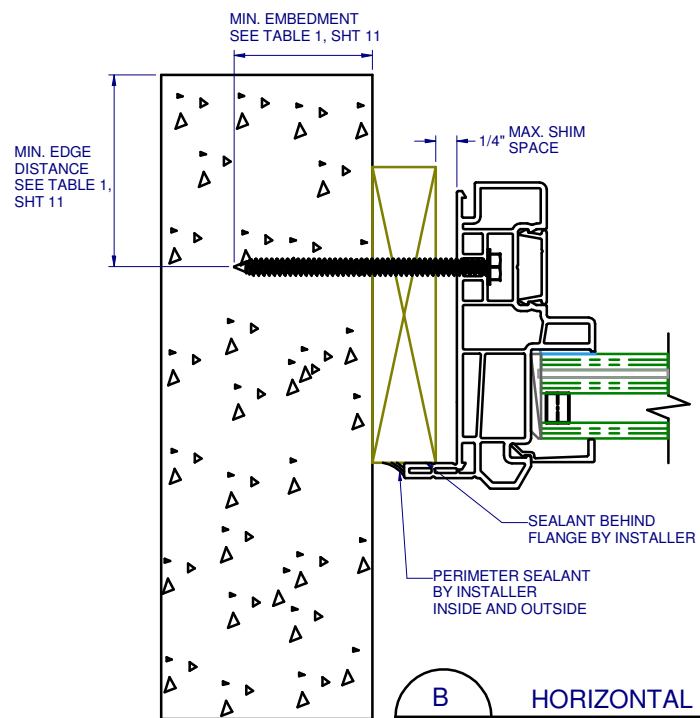


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Medley, FL 33166

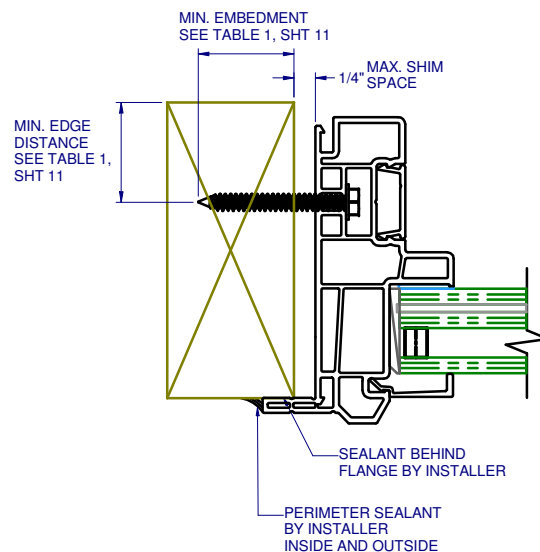
12

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Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

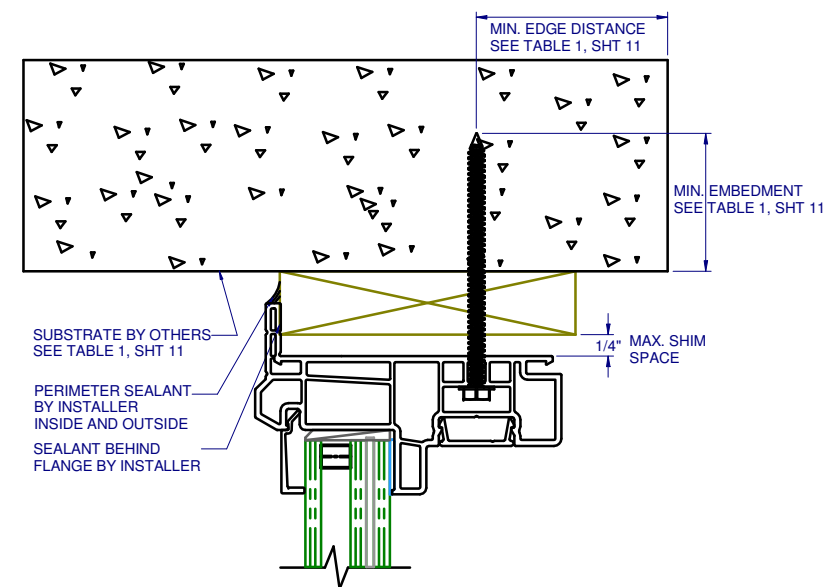
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SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
	REV. LETTER:	SHEET SHT 8 of 11



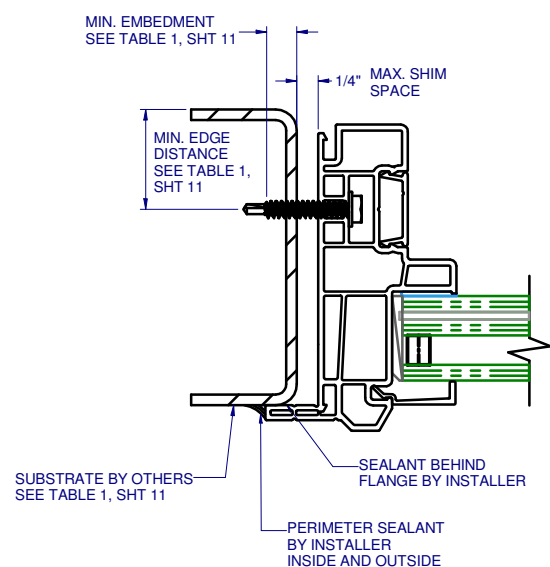
B
9
HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
FLANGE CONCRETE / CMU



C
9
HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
FLANGE WOOD FRAMING
HEAD & SILL DETAILS SIMILAR



A
9
VERTICAL SECTION
TYPICAL SILL & HEAD ANCHORAGE
THRU-FRAME
FLANGE CONCRETE / CMU



D
9
HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
FLANGE METAL FRAMING
HEAD & SILL DETAILS SIMILAR



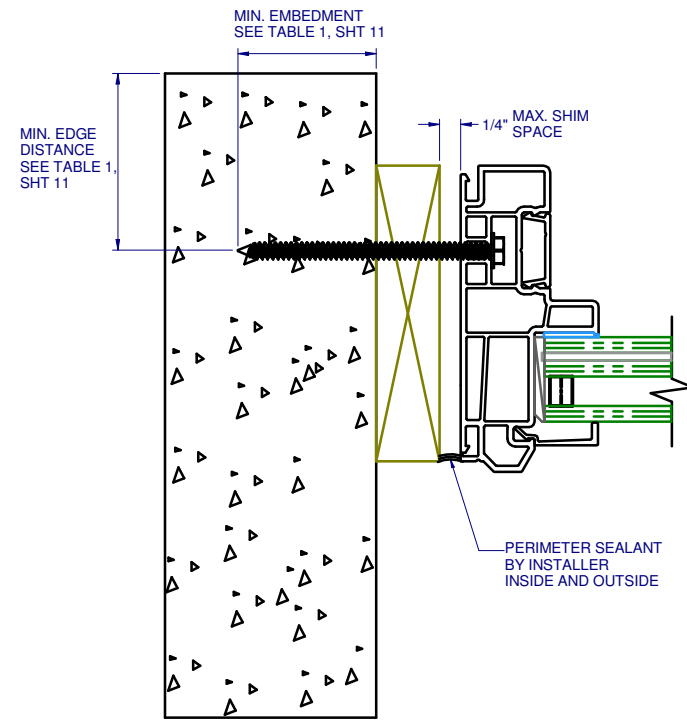
22
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Turner Eng. & Cons., Inc.
FBPE COA #29779
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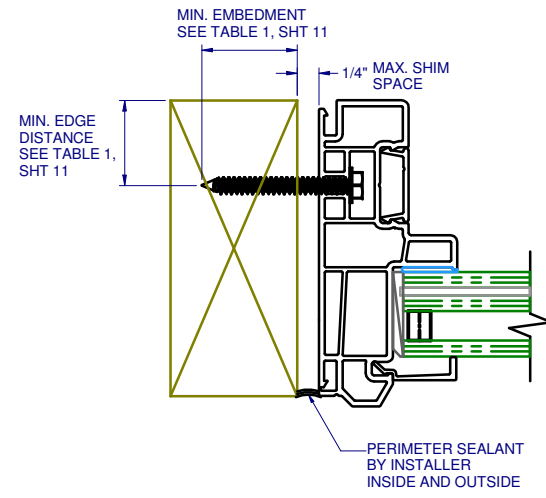
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TITLE: INSTALLATION DETAILS, FLANGE

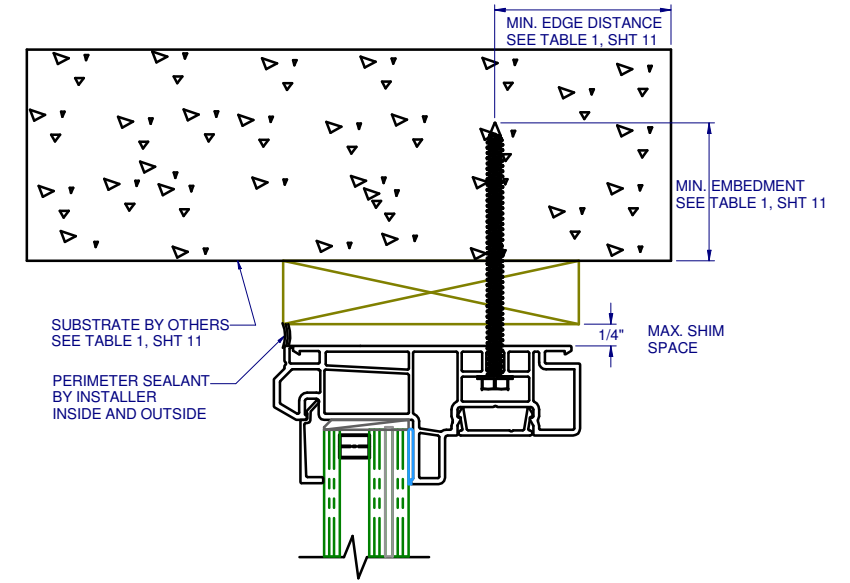
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MODEL:	SCALE: N.T.S.	DWG. NO. L-1350-1901
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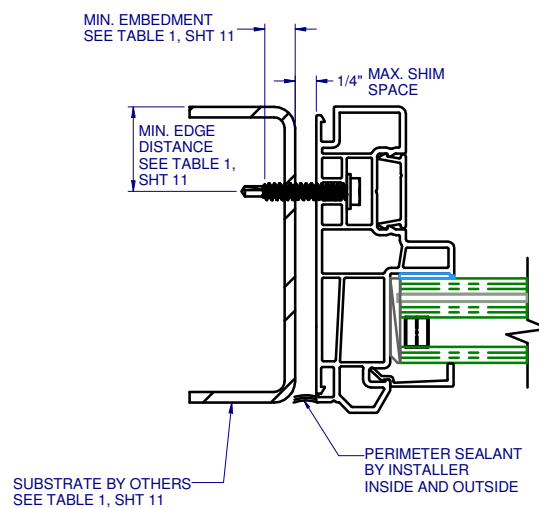
B
10 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
BOX FRAME CONCRETE / CMU



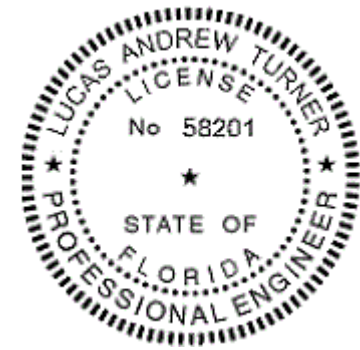
C
10 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
BOX WOOD FRAMING
HEAD & SILL DETAILS SIMILAR



A
10 VERTICAL SECTION
TYPICAL SILL & HEAD ANCHORAGE
THRU-FRAME
BOX CONCRETE / CMU



D
10 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
BOX FRAME METAL FRAMING
HEAD & SILL DETAILS SIMILAR



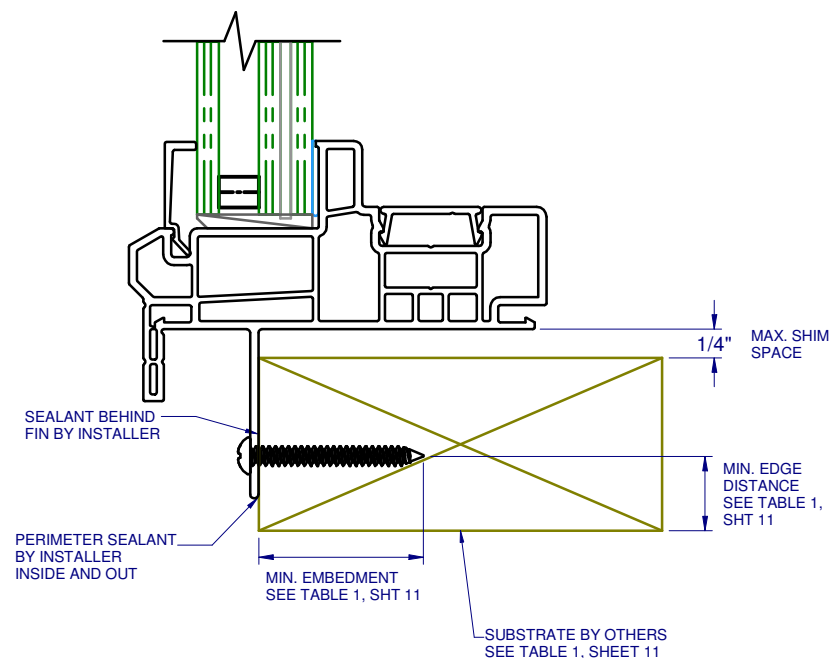
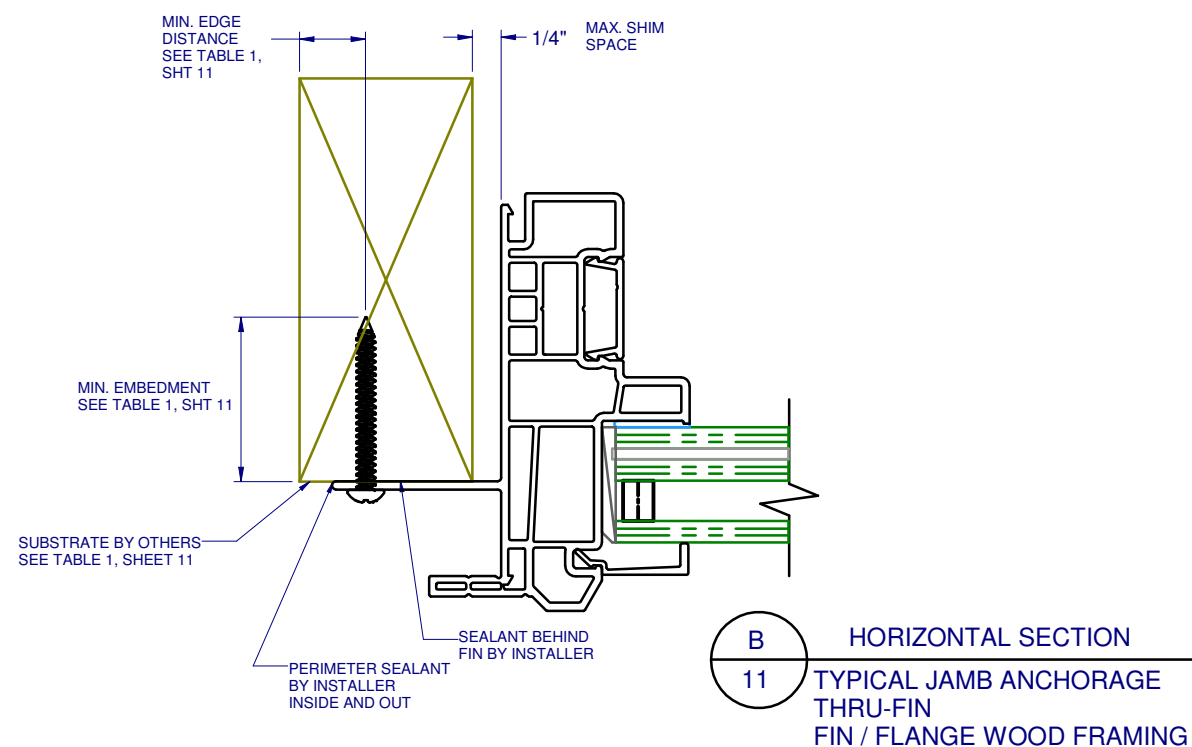
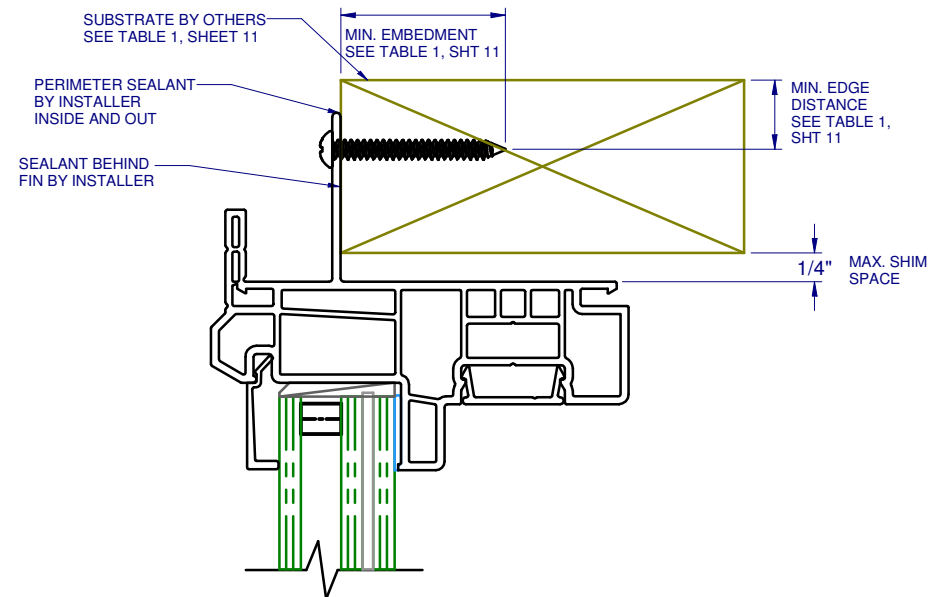
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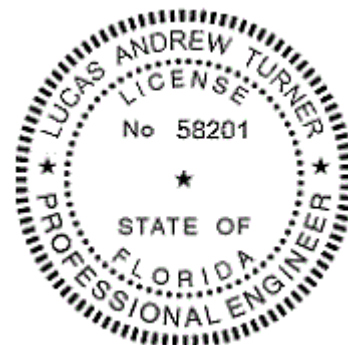
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SERIES: PW-1350	DRAWN BY: JML	DATE: 06/06/2019
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A
11
VERTICAL SECTION
TYPICAL SILL & HEAD ANCHORAGE
THRU-FIN
FIN / FLANGE WOOD FRAMING

TABLE 1: APPROVED INSTALLATION FASTENERS				
THRU	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FRAME	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1 1/2"	1 1/8"
FRAME	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1 "	2 "
FRAME	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1 "	1 "
FRAME	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1 1/4"	2 1/2"
FRAME	2x MIN. SOUTHERN PINE (G-0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1 3/8"	7/8"
FRAME	2x MIN. SOUTHERN PINE (G-0.55)	#10 WOOD SCREW	1 3/8"	7/8"
FRAME	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	1/2"
FRAME	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	1/2"
FIN	2x MIN. SOUTHERN PINE (G=0.55)	#8 WOOD SCREW	1 3/8"	1/2"



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