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PUNTO GOLD USA, LLC

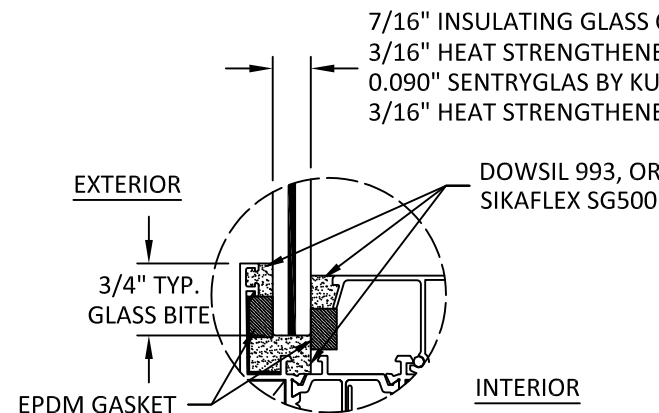
MODENA SERIES FIXED WINDOWS

(HVHZ) (IMPACT)

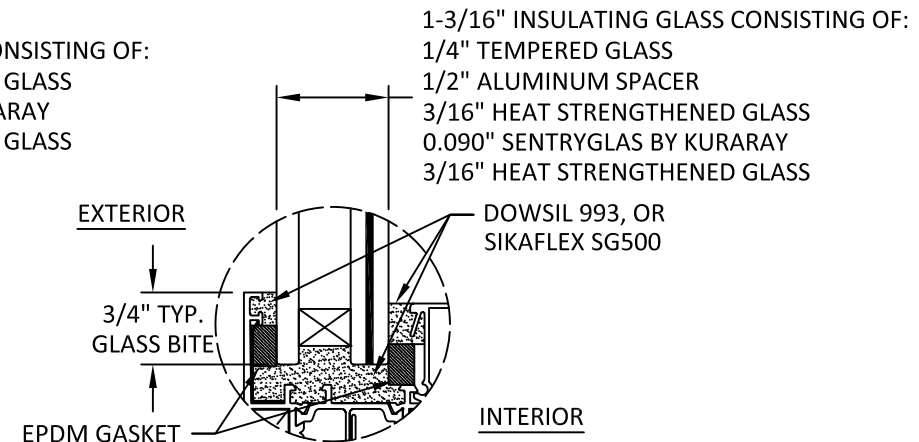
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E283-19
 - ASTM E331-00(16)
 - ASTM E1886-19
 - ASTM E1996-20
 - ASTM F588-07
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: ALUMINUM 6060-T5.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

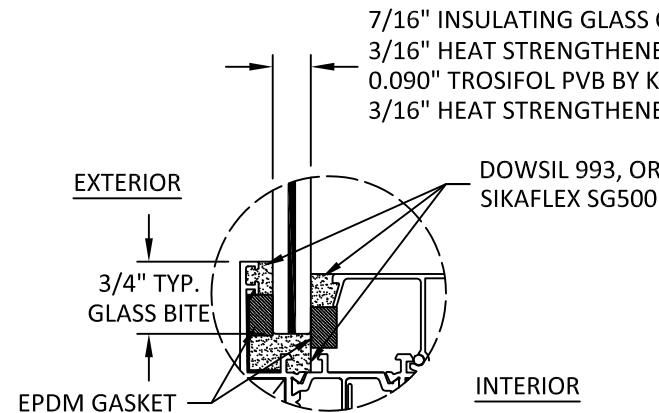
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3	TYPICAL ELEVATIONS, ANCHOR LAYOUTS AND QUALIFIED SHAPES
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	INSTALLATION DETAILS AND NOTES



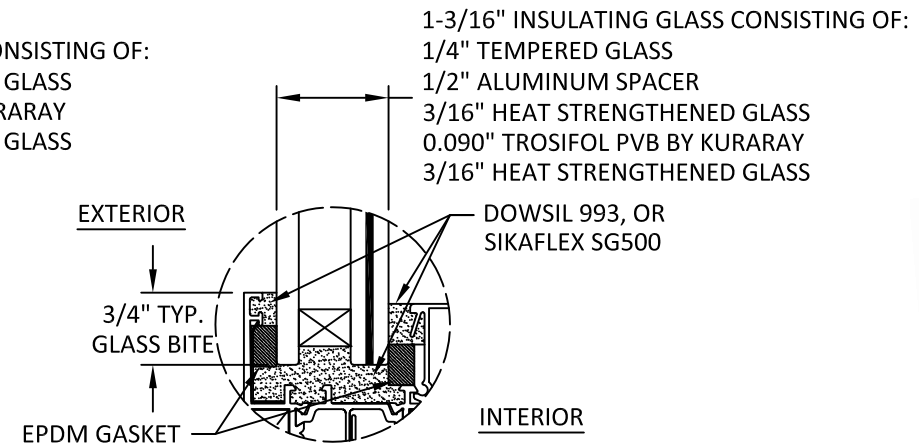
GLAZING DETAIL 1



GLAZING DETAIL 2



GLAZING DETAIL 3



GLAZING DETAIL 4

DESIGN PRESSURE RATING					
GLASS TYPE	SHAPE	FRAME SIZE		DESIGN PRESSURE	MISSILE RATING
G1 & G2	RECT.	SEE SHEET 2			LARGE AND SMALL MISSILE IMPACT
	ARCH TOP	48" X 96"	+/-90 PSF		
	ROUND TOP	96" X 48"			
G3 & G4	RECT.	SEE SHEET 2			
	ARCH TOP	48" X 96"	+/-70 PSF		
	ROUND TOP	96" X 48"			

GLAZING NOTES:

- GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.I.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHEETS 1, 2 & 3.

PUNTO GOLD
USA, LLC

240 SOUTH ANDREWS AVENUE, SUITE 3
POMPANO BEACH, FL 33069
PH: 800-676-7051

TITLE: MODENA SERIES FIXED WINDOWS (HVHZ) (IMPACT)
GENERAL NOTES & GLAZING DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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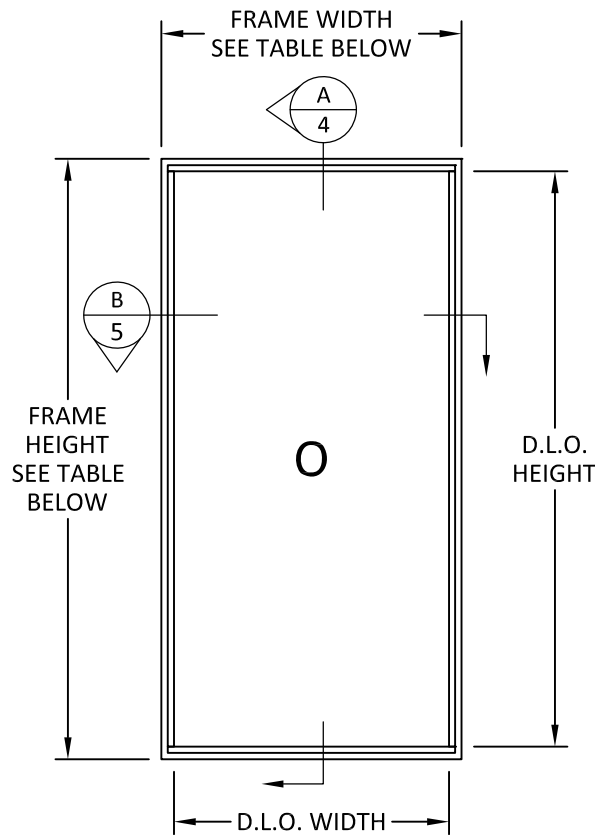
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.18 08:40:00 -0400

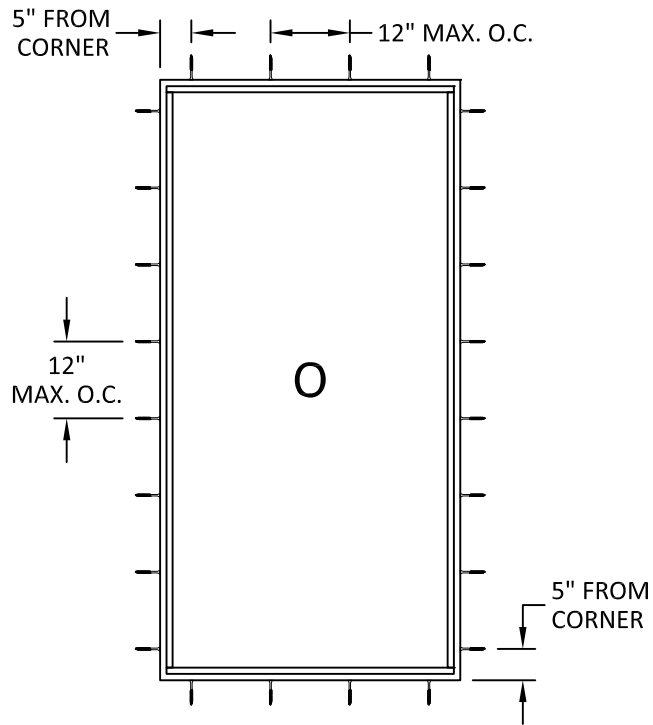


FL #:
FL42465
DATE: 08.21.2023
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CHK. BY: HFN
SCALE: NTS
DWG. #: PGU007
SHEET: 1
OF 6



TYPICAL ELEVATION
RECTANGULAR

D.L.O. WIDTH = FRAME WIDTH - 4.02"
D.L.O. HEIGHT = FRAME HEIGHT - 4.02"



ANCHOR LAYOUT
RECTANGULAR

MODENA SERIES FIXED WINDOW DESIGN PRESSURE TABLE - G1 & G2																		
		FRAME WIDTH (IN.)																
		24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
FRAME HEIGHT (IN.)	24	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
	30	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
	36	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
	42	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	-	-
	48	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	-	-	-
	54	90.00	90.00	90.00	90.00	90.00	90.00	79.20	79.20	79.20	79.20	79.20	-	-	-	-	-	-
	60	90.00	90.00	90.00	90.00	90.00	79.20	70.71	70.71	70.71	-	-	-	-	-	-	-	-
	66	90.00	90.00	90.00	90.00	90.00	79.20	70.71	63.86	-	-	-	-	-	-	-	-	-
	72	90.00	90.00	90.00	90.00	90.00	79.20	70.71	-	-	-	-	-	-	-	-	-	-
	78	90.00	90.00	90.00	90.00	90.00	79.20	-	-	-	-	-	-	-	-	-	-	-
	84	90.00	90.00	90.00	90.00	90.00	79.20	-	-	-	-	-	-	-	-	-	-	-
	90	90.00	90.00	90.00	90.00	90.00	-	-	-	-	-	-	-	-	-	-	-	-
	96	90.00	90.00	90.00	90.00	90.00	-	-	-	-	-	-	-	-	-	-	-	-
	102	90.00	90.00	90.00	90.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	108	90.00	90.00	90.00	90.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	114	90.00	90.00	90.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	120	90.00	90.00	90.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MODENA SERIES FIXED WINDOW DESIGN PRESSURE TABLE - G3 & G4																		
		FRAME WIDTH (IN.)																
		24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
FRAME HEIGHT (IN.)	24	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
	30	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
	36	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
	42	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-
	48	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-
	54	70.00	70.00	70.00	70.00	70.00	61.60	61.60	61.60	61.60	61.60	61.60	-	-	-	-	-	-
	60	70.00	70.00	70.00	70.00	70.00	61.60	54.99	54.99	54.99	-	-	-	-	-	-	-	-
	66	70.00	70.00	70.00	70.00	70.00	61.60	54.99	49.67	-	-	-	-	-	-	-	-	-
	72	70.00	70.00	70.00	70.00	70.00	61.60	54.99	-	-	-	-	-	-	-	-	-	-
	78	70.00	70.00	70.00	70.00	70.00	61.60	-	-	-	-	-	-	-	-	-	-	-
	84	70.00	70.00	70.00	70.00	70.00	61.60	-	-	-	-	-	-	-	-	-	-	-
	90	70.00	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-	-	-	-	-	-
	96	70.00	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-	-	-	-	-	-
	102	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	108	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	114	70.00	70.00	70.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	120	70.00	70.00	70.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PUNTO GOLD
USA, LLC

240 SOUTH ANDREWS AVENUE, SUITE 3
POMPANO BEACH, FL 33069
PH: 800-676-7051

TITLE:
MODENA SERIES FIXED WINDOWS
(HVHZ) (IMPACT)

TYPICAL ELEVATION, ANCHOR LAYOUT
& DESIGN PRESSURE TABLES

PREPARED BY:

BUILDING DROPS, INC.
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BUILDING DROPS

REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL42465

DATE:
08.21.2023

DWG. BY:
MS

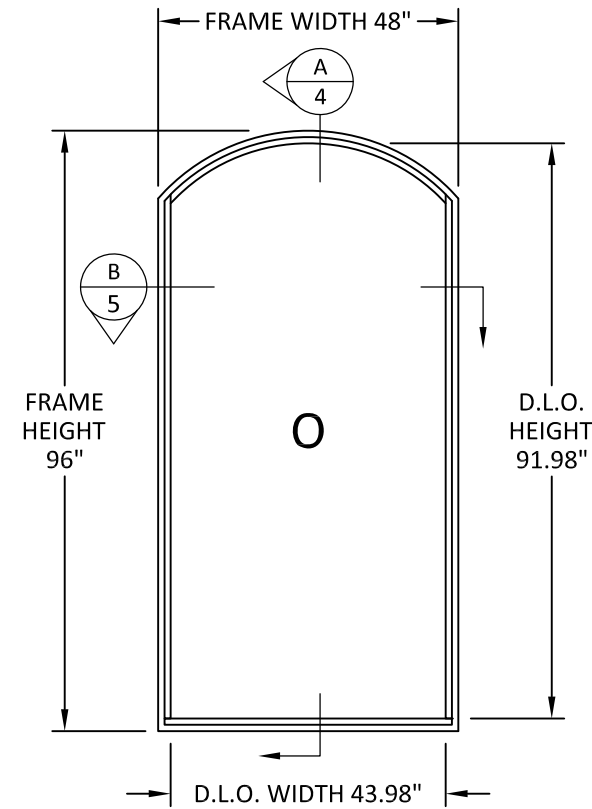
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HFN

SCALE:
NTS

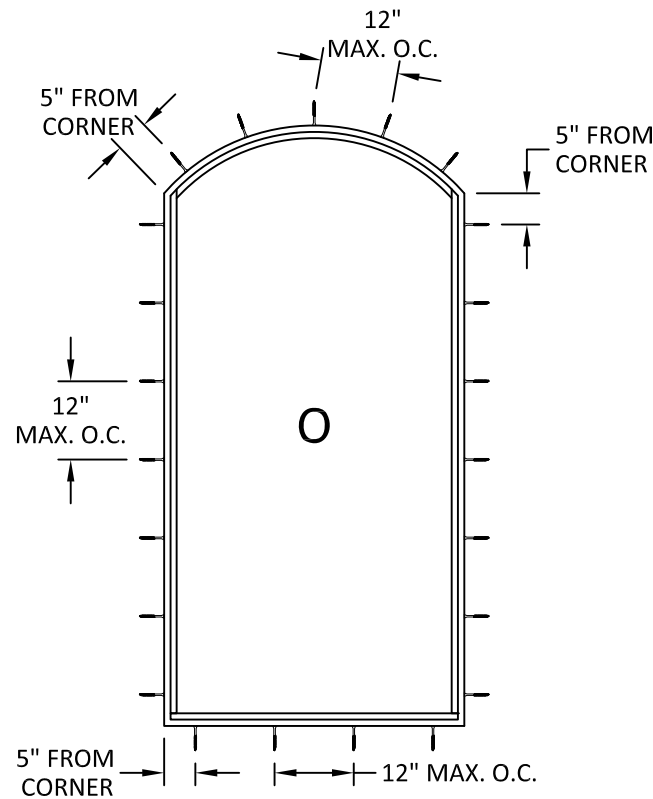
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SHEET:
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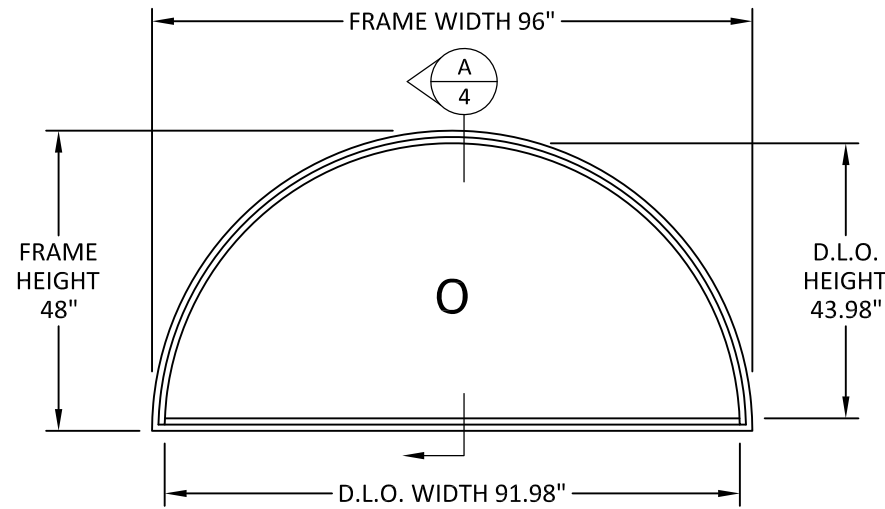
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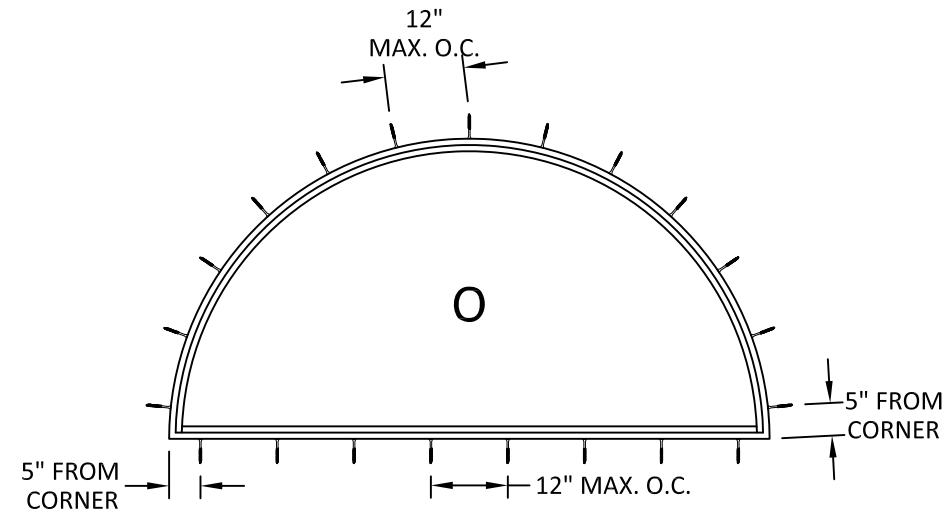
TYPICAL ELEVATION
ARCH TOP



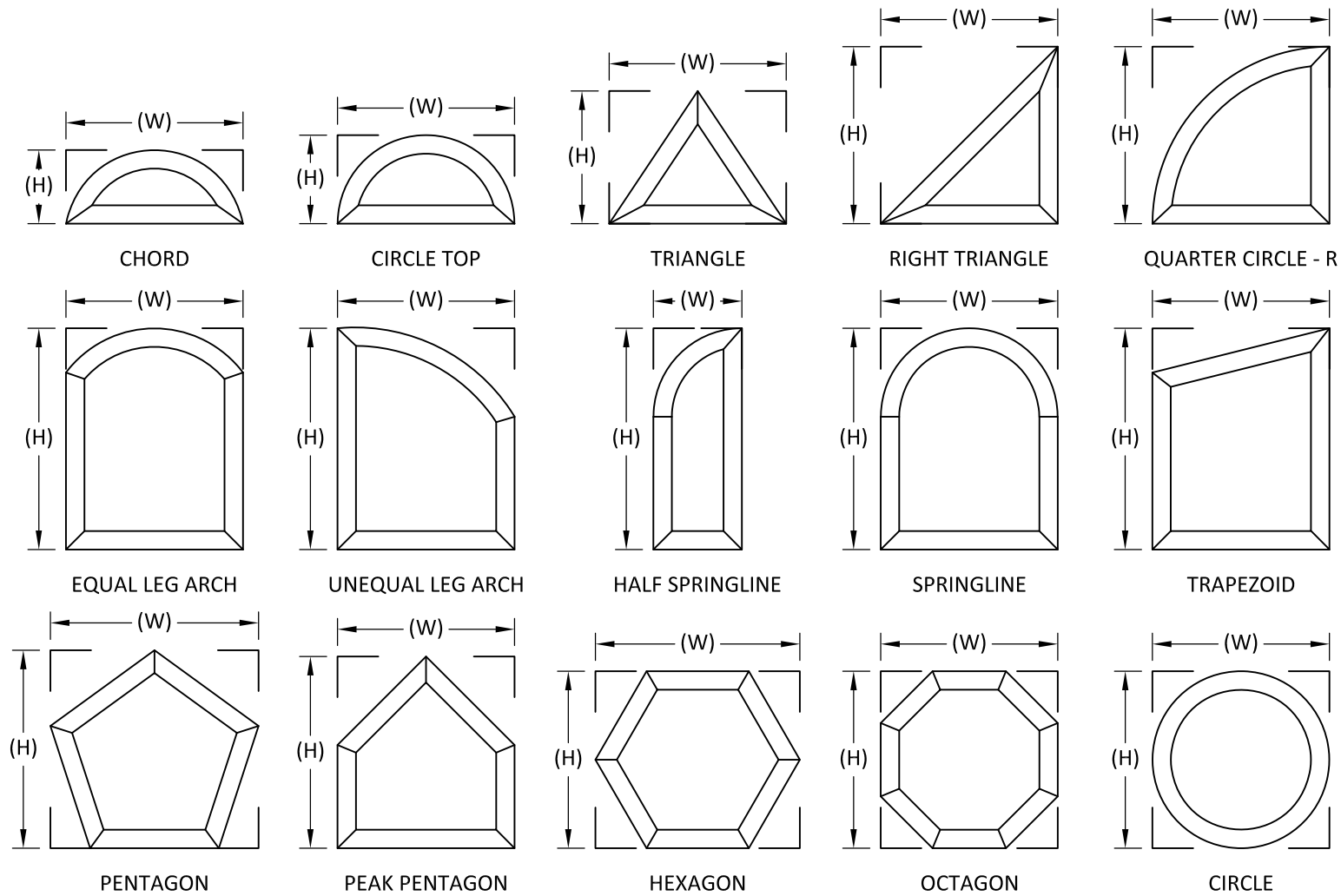
ANCHOR LAYOUT
ARCH TOP



TYPICAL ELEVATION
ROUND TOP



ANCHOR LAYOUT
ROUND TOP



OTHER QUALIFIED SHAPES

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USA, LLC

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TYPICAL ELEVATIONS, ANCHOR LAYOUTS & QUALIFIED SHAPES

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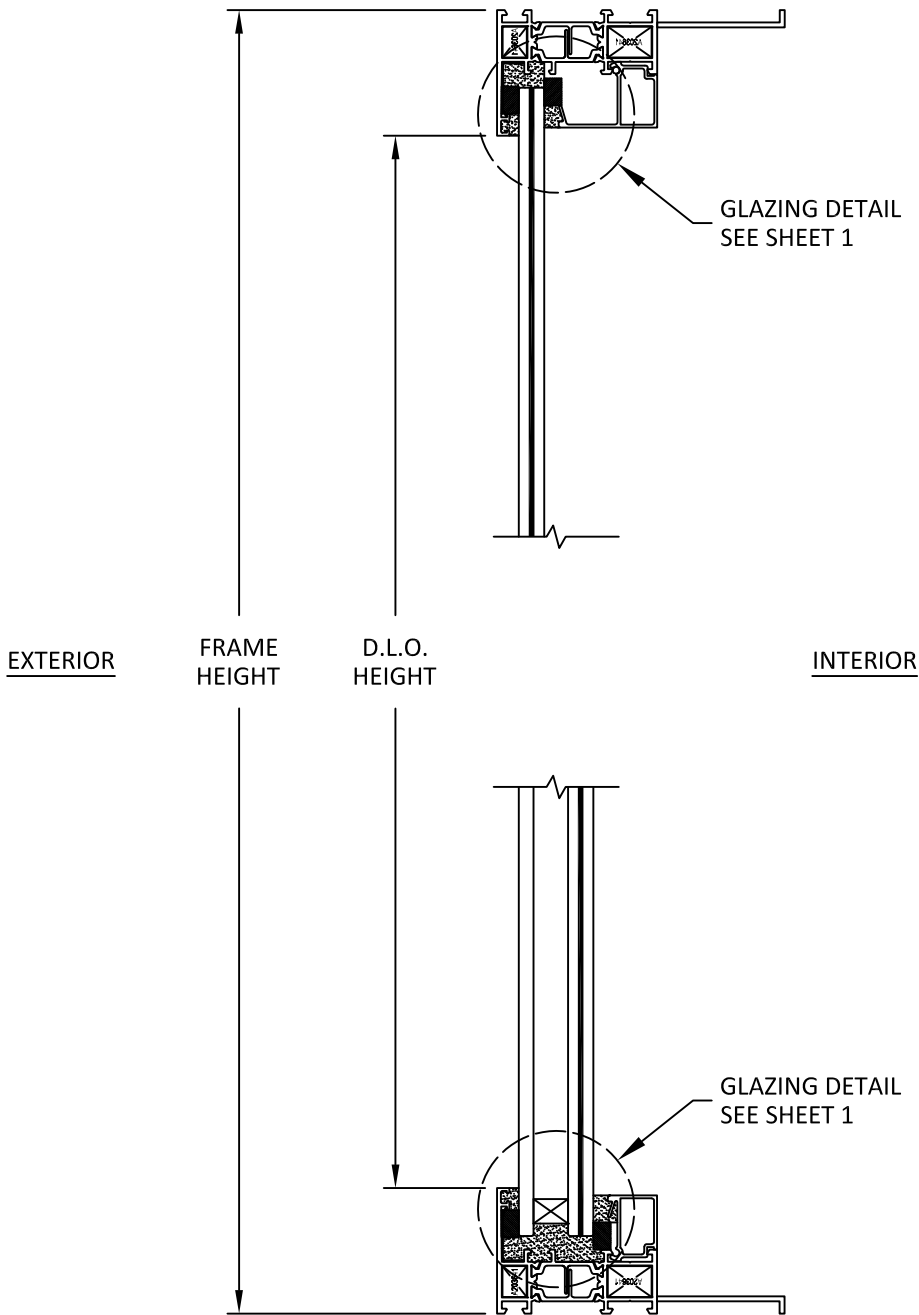
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HERMES F. NORERO
LICENSE
No 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PGU007
SHEET:	3



A
4 VERTICAL SECTION
HEAD & SILL

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USA, LLC

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VERTICAL SECTIONS



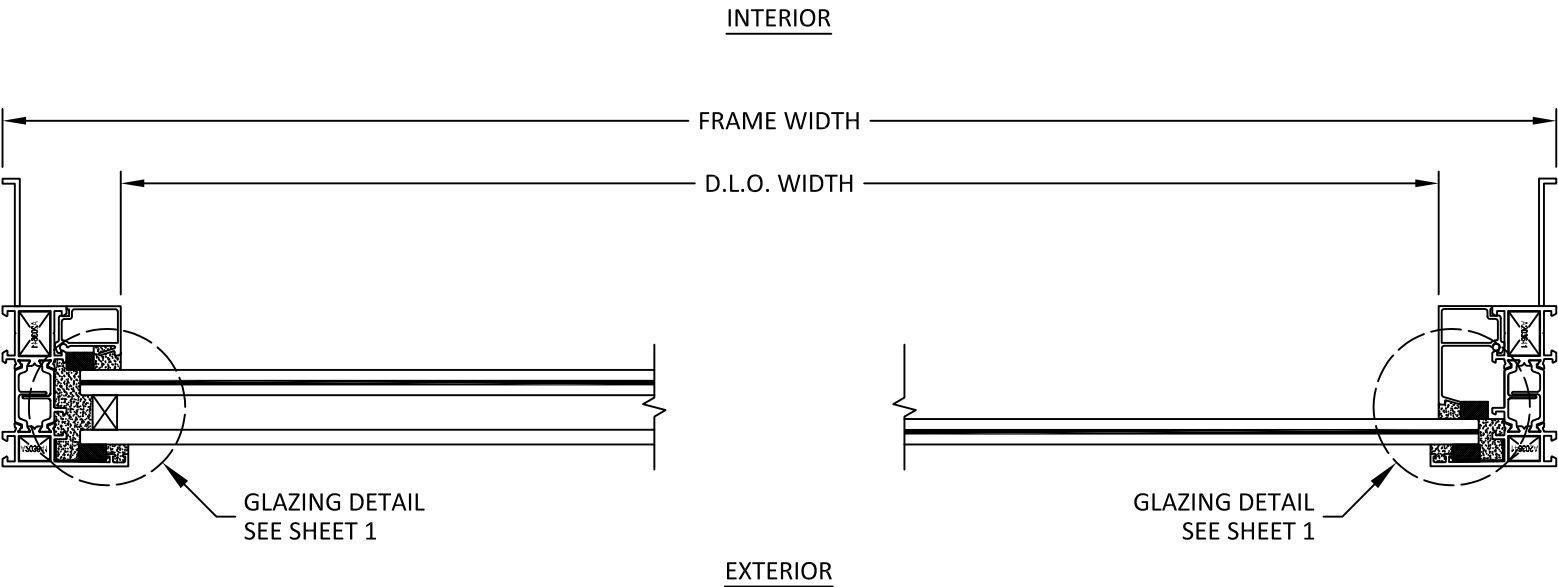
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DWG. #:	PGU007
SHEET:	4



B
5 **HORIZONTAL SECTION**
JAMBS

PUNTO GOLD
USA, LLC

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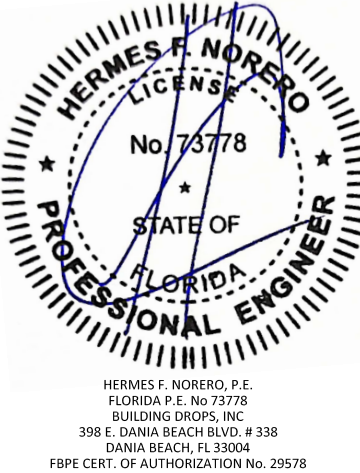
HORIZONTAL SECTIONS

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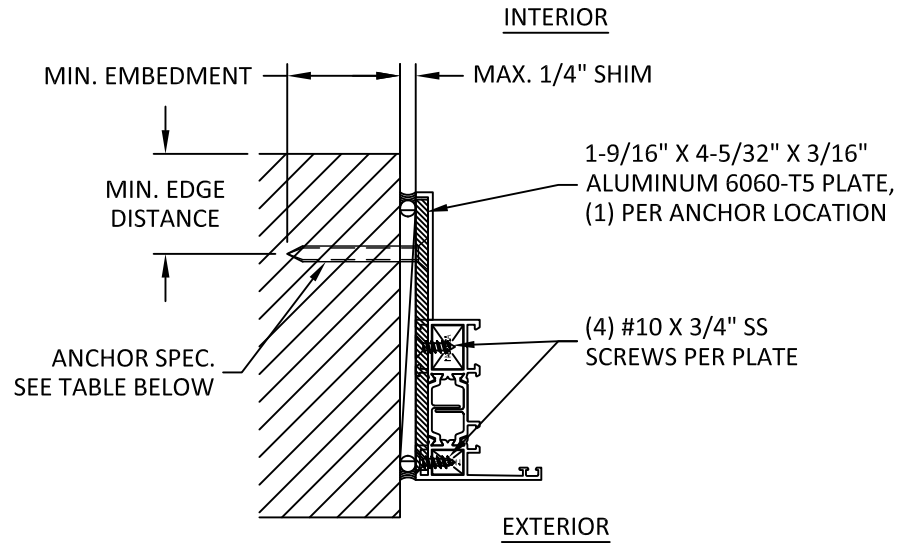
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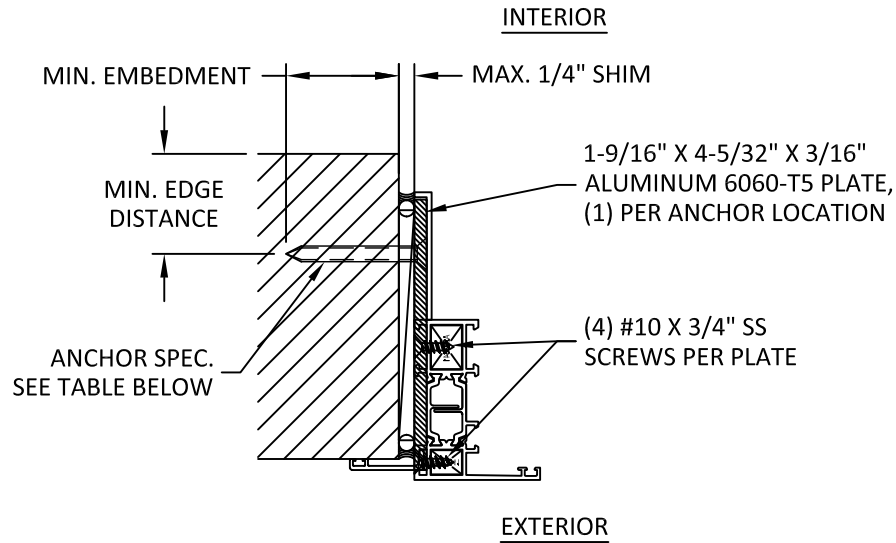
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OF 6

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C
6
INSTALLATION DETAIL
JAMB



D
6
INSTALLATION DETAIL
JAMB

JAMB INSTALLATION SHOWN,
HEAD & SILL SIMILAR.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH PLATE	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1.375"	1"
	STEEL: MIN. 16 GA. MIN. Fy = 36 ksi	1/4" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1"	2"

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INSTALLATION DETAILS & NOTES

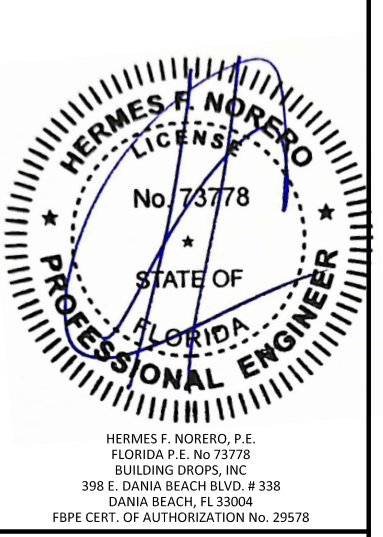
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