

BROMBAL ITALY

SERIES FARO 65 FIXED WINDOWS

(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
3. 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.
4. 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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. FRAME MATERIAL: GALVANIZED STEEL, CORTEN STEEL, STAINLESS STEEL OR OT/67 (BRASS)
7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

GLAZING NOTES:

- GLASS THICKNESS AND TYPE COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
- GLASS TYPE COMPLIES WITH FBC SAFETY GLAZING REQUIREMENTS.
- USE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS AT SILL FOR UNITS OVER 3 FEET IN WIDTH
- SEE SHEET 5 FOR DETAILS OF ALTERNATE GLAZING BEAD OPTIONS
- ALL CONFIGURATIONS APPROVED AS OUTSIDE GLAZED ONLY
- IG SPACER OPTIONS:
 - OPTION 1: WARM EDGE SPACER CONSISTING OF POLYPROPYLENE & STAINLESS STEEL
 - OPTION 2: WARM EDGE SPACER CONSISTING OF GLASS FIBER REINFORCED PLASTIC WITH FOIL

DESIGN PRESSURE TABLE		
GLASS TYPE	SIZE	DESIGN PRESSURE
G1 OR G3	SEE SHEET 2	SEE SHEET 2
G2 OR G4	SEE SHEET 2	SEE SHEET 2

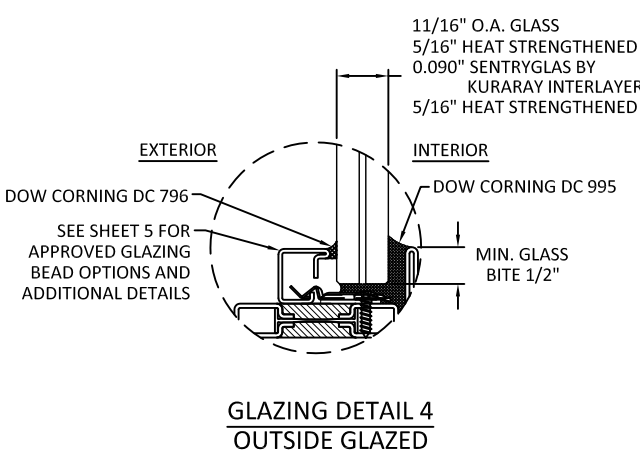
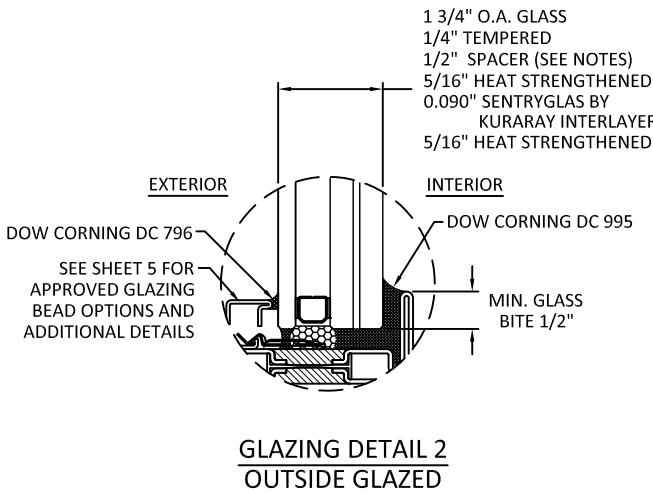
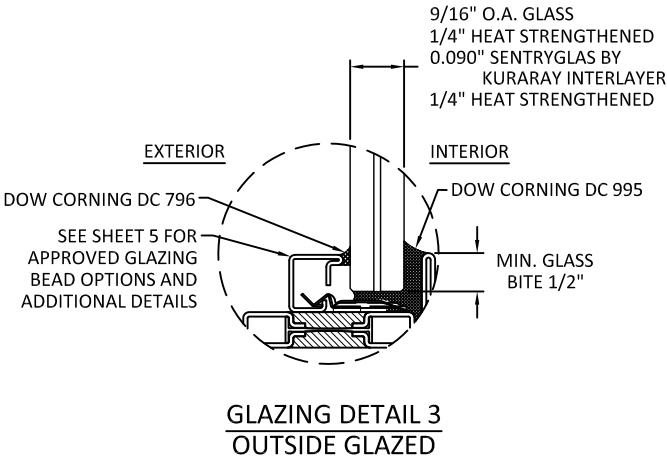
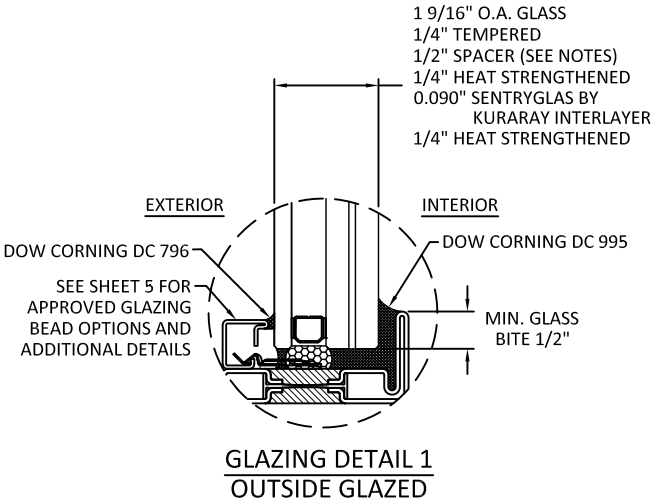


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BROMBAL

LUXURY METAL WINDOWS AND DOORS

BROMBAL SRL
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: FARO 65 SERIES FIXED WINDOW
(HVHZ) (IMPACT)

GENERAL NOTES &
GLAZING DETAILS

PREPARED BY:
BUILDING DROPS, INC.

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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.10.19 14:50:37 -0400



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FL18656

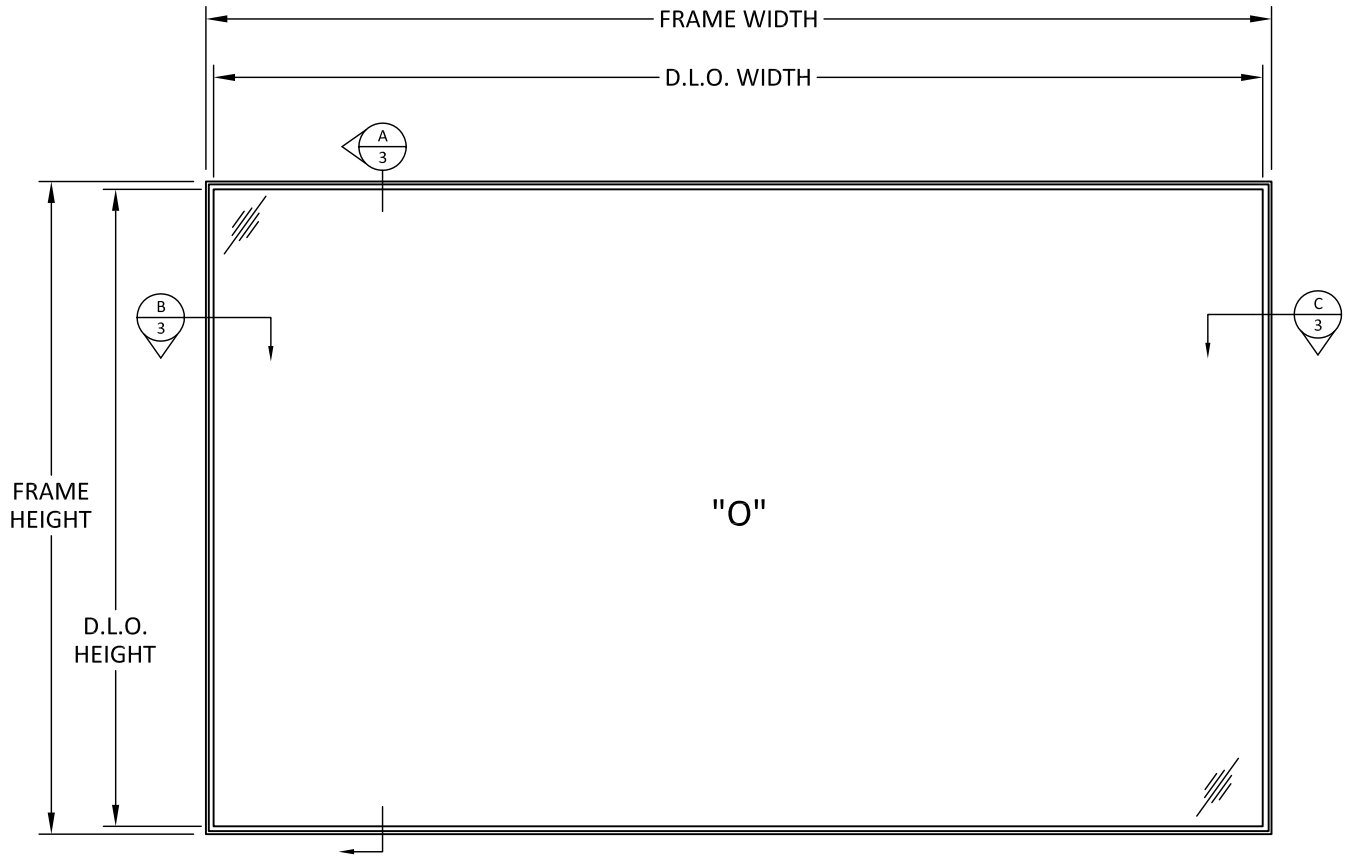
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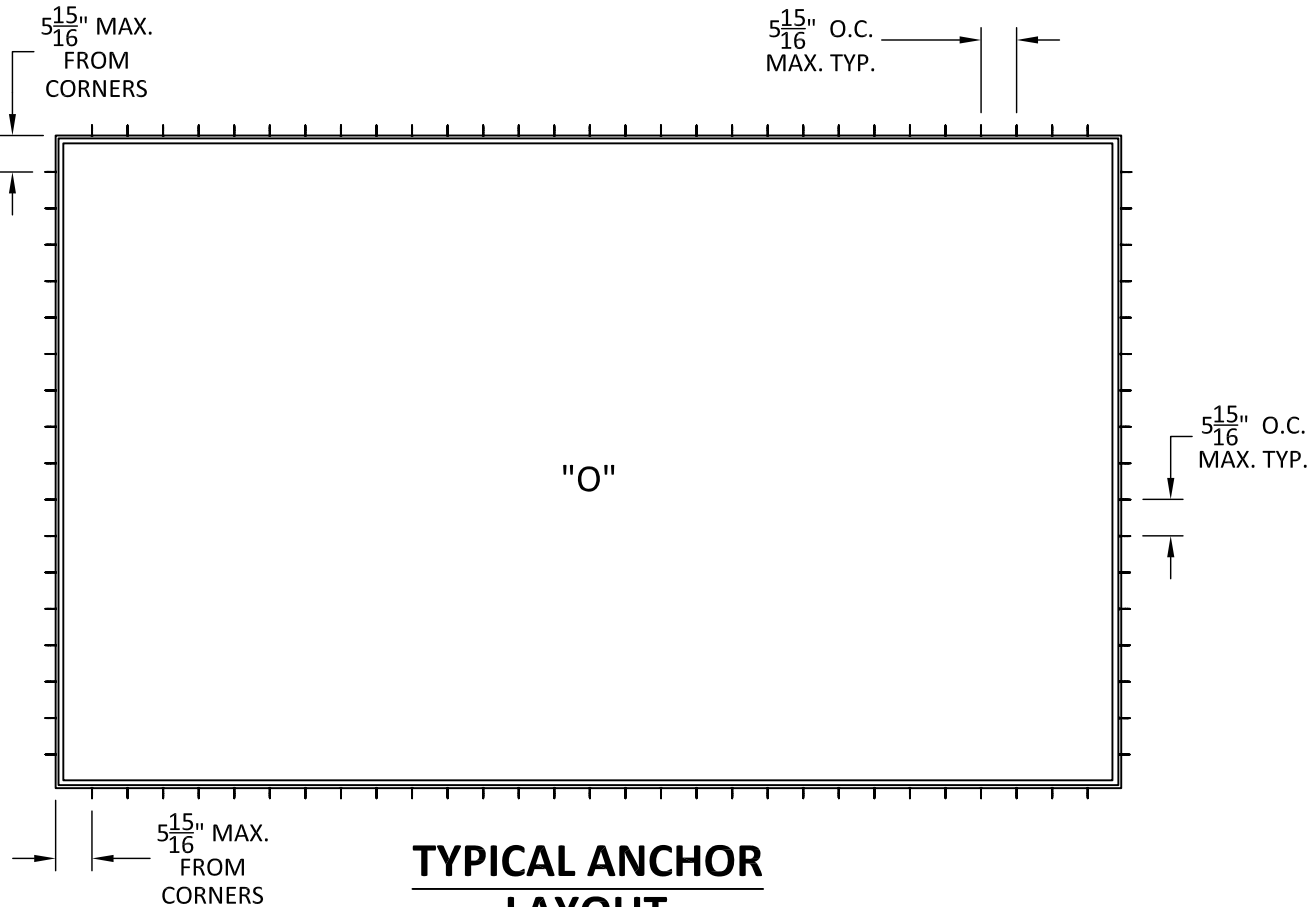
SCALE: NTS

DWG. #: BRB012

SHEET:
1



ELEVATION
RECTANGULAR O



TYPICAL ANCHOR
LAYOUT

D.L.O. SIZE:
D.L.O. WIDTH = FRAME WIDTH - 2.5"
D.L.O. HEIGHT = FRAME HEIGHT - 2.5"

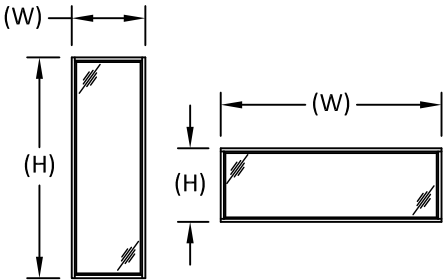
DESIGN PRESSURE TABLE (PSF) - G1 OR G3

FRAME WIDTH (INCHES)										
FRAME HEIGHT (INCHES)		72	78	84	90	96	102	108	116	124
	120	75	75	75	75	75	70	66	-	-
	126	75	75	75	75	75	70	66	-	-
	132	75	75	75	75	75	70	-	-	-
	138	75	75	75	75	75	-	-	-	-
	144	75	75	75	75	75	-	-	-	-
	150	75	75	75	75	-	-	-	-	-
	156	75	75	75	-	-	-	-	-	-
	162	75	75	75	-	-	-	-	-	-
	168	75	75	-	-	-	-	-	-	-
	174	75	75	-	-	-	-	-	-	-
	180	75	-	-	-	-	-	-	-	-

DESIGN PRESSURE TABLE (PSF) - G2 OR G4

FRAME WIDTH (INCHES)										
FRAME HEIGHT (INCHES)		88	94	100	106	112	118	124	130	136
	160	75	75	75	72	68	65	61	59	56
	166	75	75	75	72	68	65	61	59	56
	172	75	75	75	72	68	65	61	59	-
	178	75	75	74	72	68	65	61	59	-
	184	75	75	73	71	68	65	61	-	-
	190	75	75	72	70	68	65	-	-	-
	197	75	75	72	69	67	65	-	-	-
	202	75	74	71	68	66	-	-	-	-
	208	75	73	70	68	-	-	-	-	-
	214	75	73	70	67	-	-	-	-	-
	220	75	72	69	-	-	-	-	-	-

NOTE:
FRAME WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA.



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ELEVATION & ANCHOR LAYOUT

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SHEET:
2

OF 5

TITLE: FARO 65 SERIES FIXED WINDOW
(HVHZ) (IMPACT)

HORIZONTAL &
VERTICAL SECTIONS

PREPARED BY:

B.D.
BUILDING DROPS

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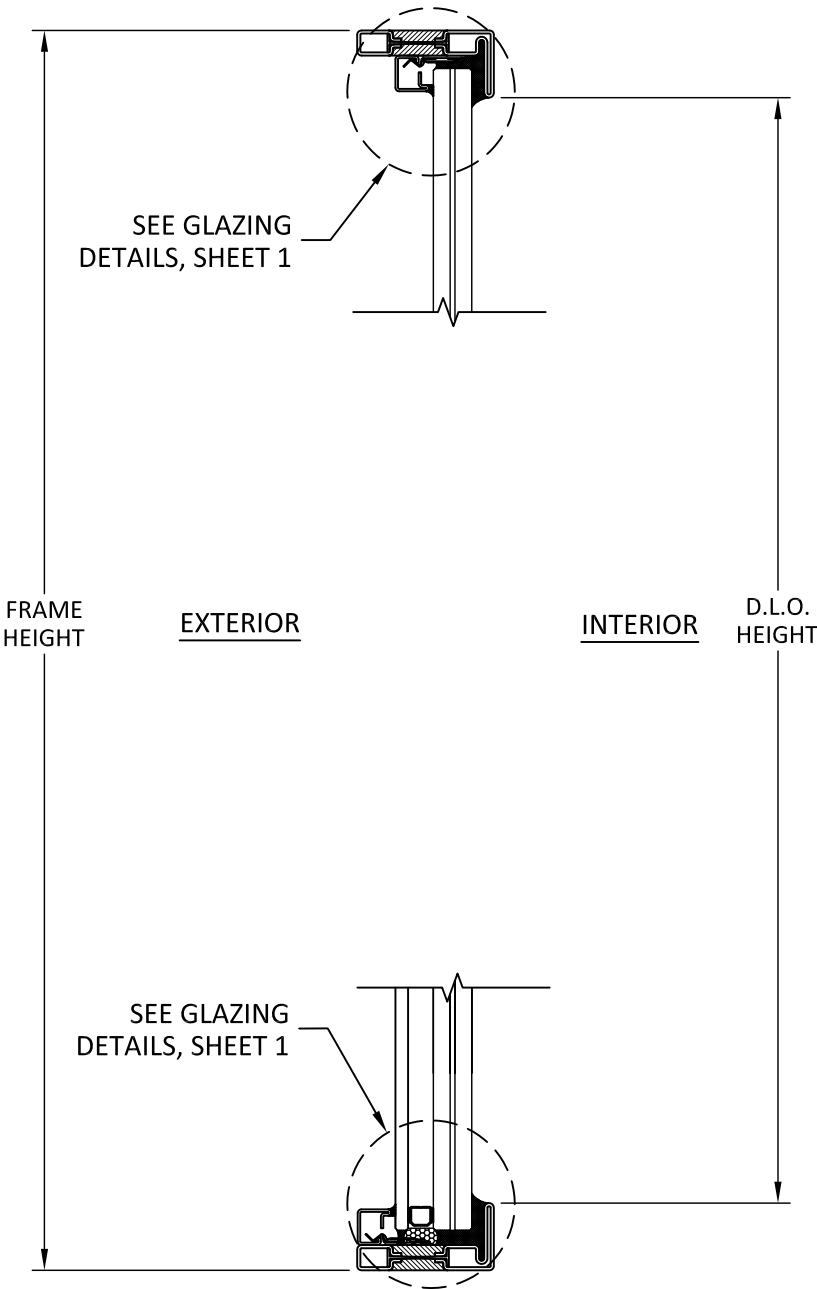
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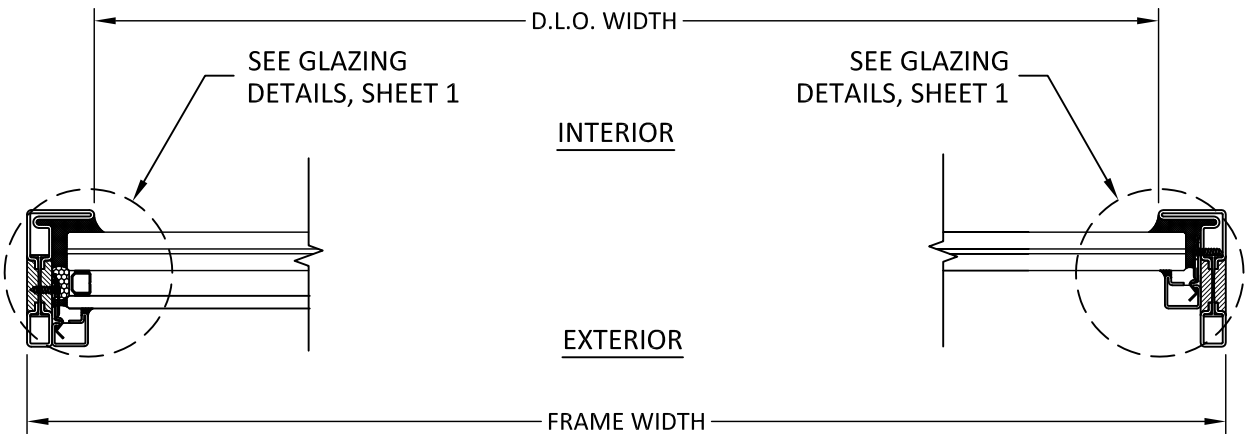
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SHEET: **3**



A
3

VERTICAL SECTION
OUTSIDE GLAZED



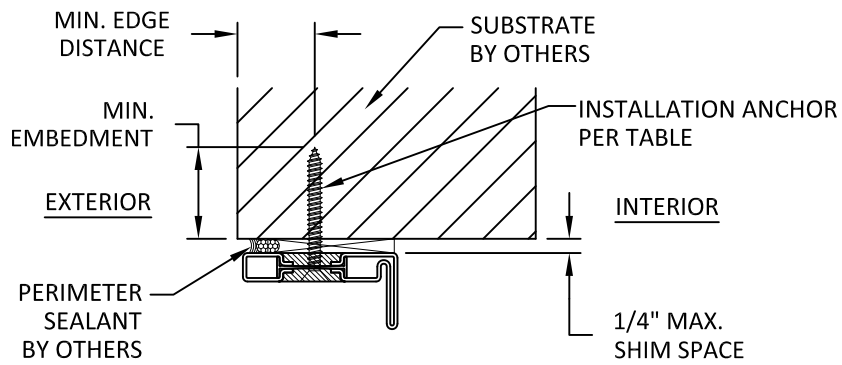
B
3

HORIZONTAL SECTION
JAMB - OUTSIDE GLAZED

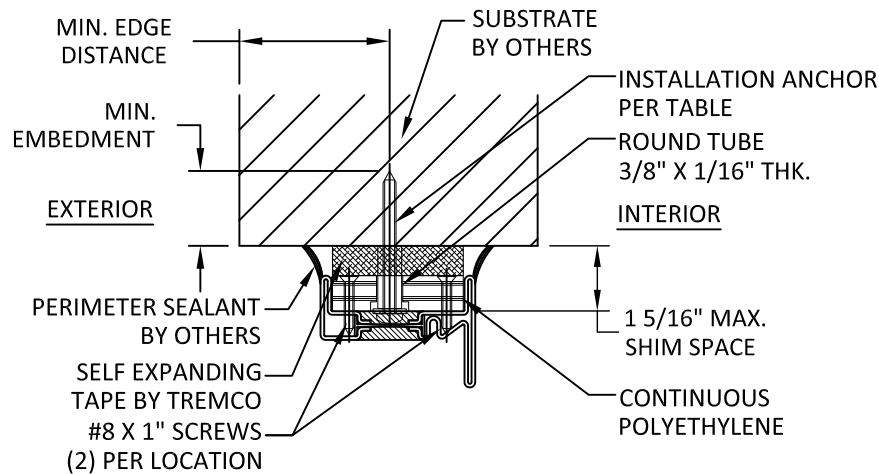
C
3

HORIZONTAL SECTION
JAMB - OUTSIDE GLAZED

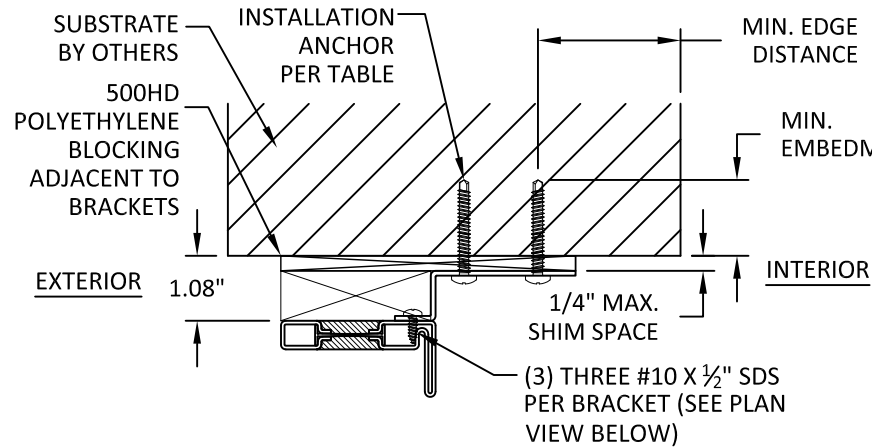
NOTE:
SEE SHEET 4 FOR ALLOWABLE
INSTALLATION METHODS AND SHEET
5 FOR QUALIFIED FRAME PROFILES



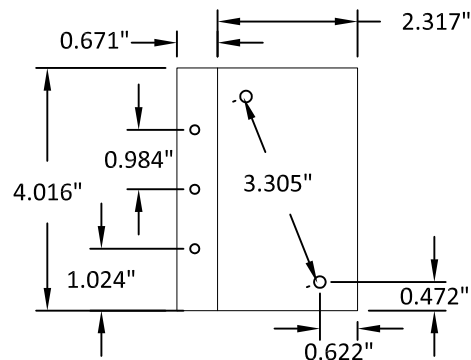
A
4 **ANCHOR DETAIL**
THROUGH FRAME



D
4 **ANCHOR DETAIL**
DEFLECTION ANCHOR - THROUGH FRAME
HEAD ONLY

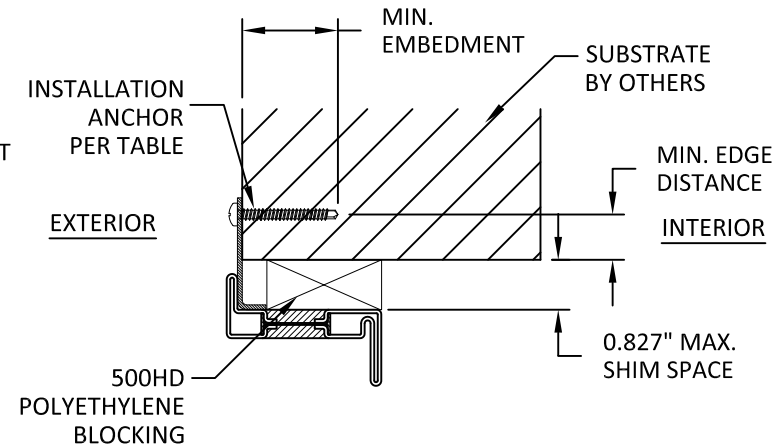


B
4 **ANCHOR DETAIL**
BRACKET



BRACKET DETAIL
14 GAUGE STEEL

NOTE:
TYPICAL HEAD
DETAILS SHOWN,
JAMBS & SILL HAVE
SIMILAR DETAILS



C
4 **ANCHOR DETAIL**
NAIL FIN

MIN. 0.079" THK. NAIL FIN WELDED TO FRAME FOR STAINLESS TO STAINLESS & STEEL TO STEEL. FOR NAIL FIN SCREWED TO FRAME APPLICATIONS, NAIL FIN SHALL BE INSTALLED FOR SEALING & WEATHER PROOFING PURPOSES ONLY AND INSTALLATION SHALL USE ADDITIONAL ANCHOR STRAP OR THRU FRAME INSTALLATION METHODS.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME / DEFLECTION ANCHOR	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.5"	0.75"
	METAL: 18 GA. STEEL MIN. Fy = 33KSI	1/4" GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"
	CONCRETE: MIN F'c = 3000 PSI OR MASONRY: MIN F'c = 2000 PSI	1/4" ITW TAPCON	1.5"	2.5"
BRACKET	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.5"	0.75"
	METAL: 18 GA. STEEL MIN. Fy = 33KSI	1/2" GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"
	CONCRETE: MIN F'c = 3000 PSI OR MASONRY: MIN F'c = 2000 PSI	1/4" ITW TAPCON	1.5"	2.5"
NAIL FIN	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.5"	0.75"
	METAL: 18 GA. STEEL, MIN. Fy = 33KSI	#12 GR. 5 SELF-DRILLING OR SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2, UNLESS OTHERWISE SHOWN.
- 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 $\pm 1/2$ 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). SEE ABOVE FOR MAXIMUM ALLOWABLE SHIM STACK PER INSTALLATION METHOD. 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, 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, ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

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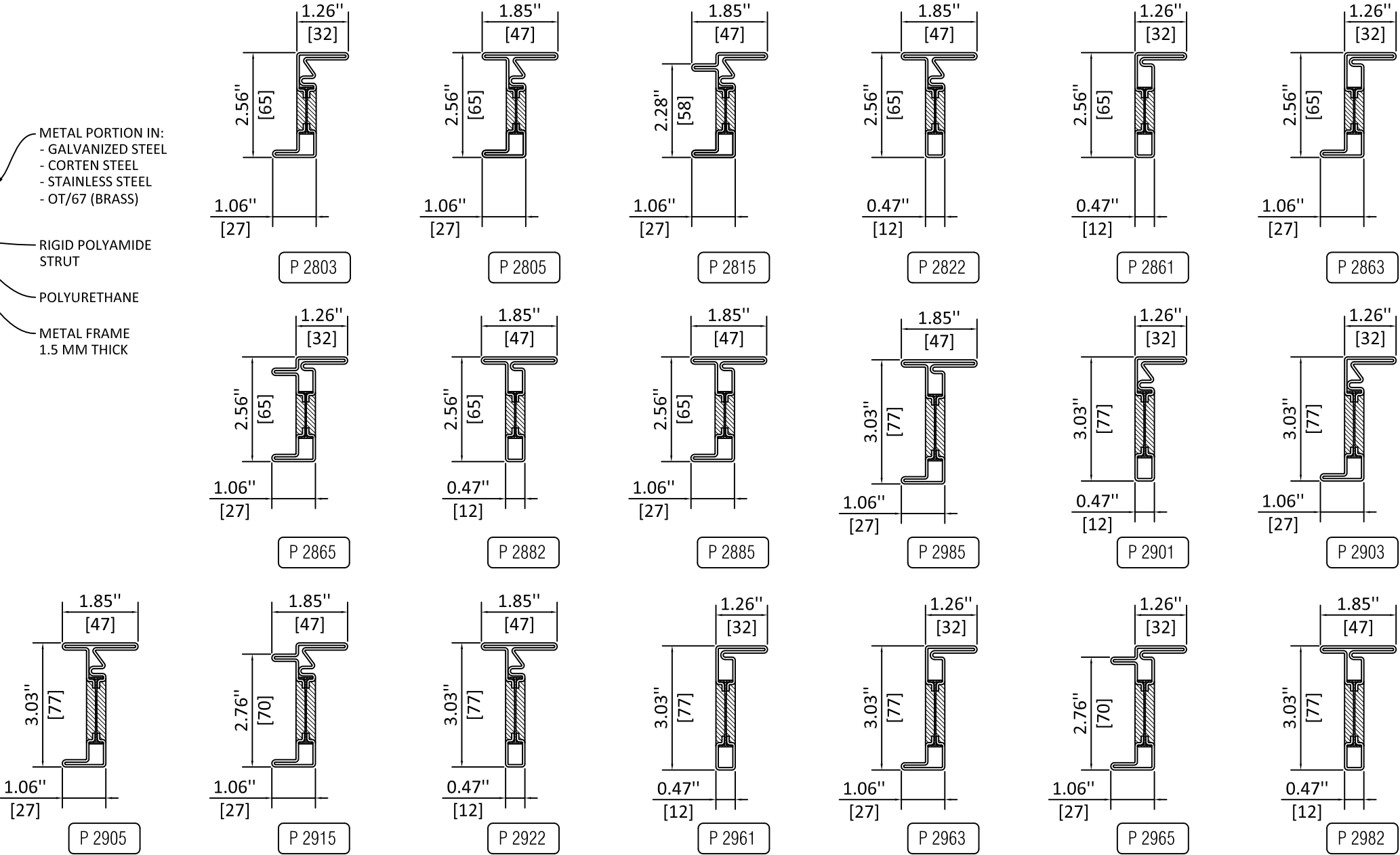
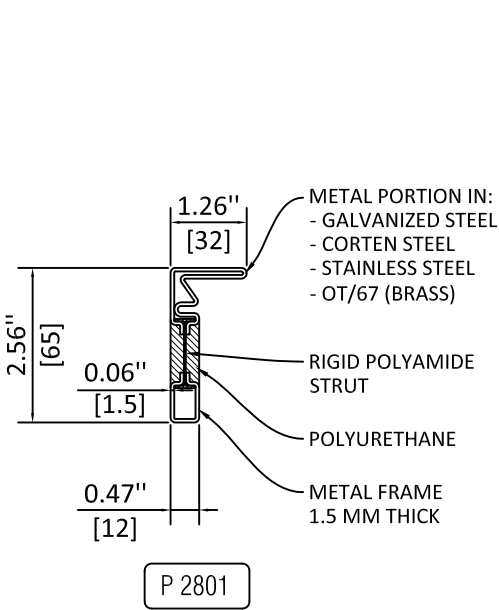
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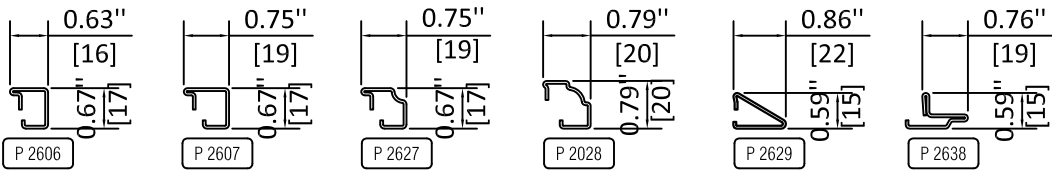
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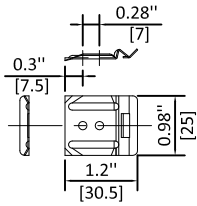
APPROVED FRAME PROFILE OPTIONS



APPROVED GLAZING BEAD PROFILE OPTIONS



GLAZING BEAD CLIP DETAIL



GLAZING BEAD NOTES:

- GLAZING BEADS MAY BE FASTENED USING THE GLAZING BEAD CLIPS SHOWN WITH 3.9 X 13 MM SCREWS, ADHESIVE, OR DOUBLE SIDED TAPE FOLLOWING MANUFACTURER'S SUGGESTED ASSEMBLY METHODS.

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APPROVED FRAME AND GLAZING BEAD PROFILE OPTIONS

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