

Brombal Italy

SERIES FARO 65 AND FARO 75 CASEMENT 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.

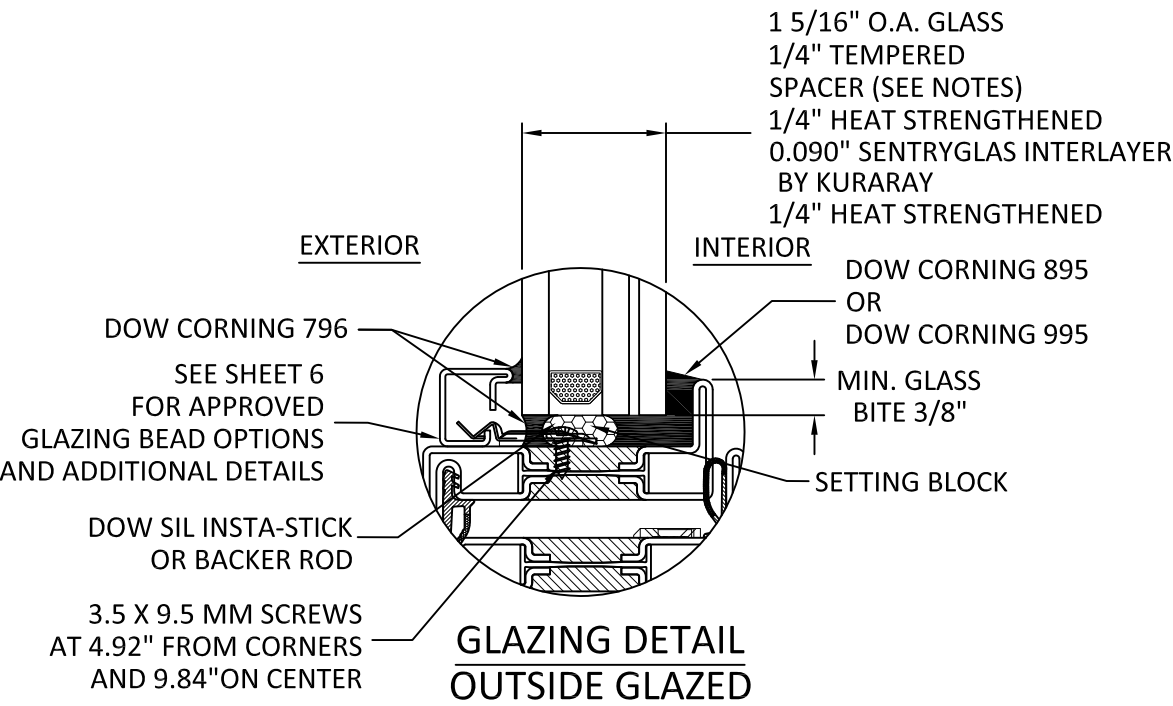
1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4.

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, OR STAINLESS STEEL. OT/67 (BRASS) AT LIMITED SIZE AND PRESSURE, SEE SHEET 2.
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. SPACERS ARE QUALIFIED FOR 10 MM - 30 MM THICKNESS.

DESIGN PRESSURE TABLE			
SERIES	SIZE	CONFIGURATION	DESIGN PRESSURE
FARO 65 OR 75	SEE SHEET 2	RECTANGULAR XX	SEE SHEET 2
FARO 65 OR 75	SEE SHEET 2	RECTANGULAR X	SEE SHEET 2

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6	APPROVED FRAME & GLAZING BEAD PROFILES

BROMBAL

LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY

VIA VALLA, 24

31030 CASELLE DI ALTIVOLE

TITLE: SERIES FARO 65 CASEMENT (HVHZ) (IMPACT) GENERAL NOTES & GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.

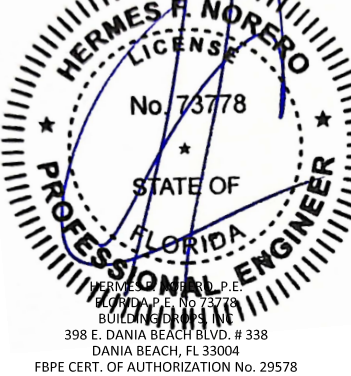
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REMARKS	BY	DATE
FBC UPDATE	SM	9.5.23

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Digitally signed by Hermes F. Norero, P.E
Reason: I am approving this document
Date: 2023.10.05 16:51:00 -0400



FL #: FL18655

DATE: 12.05.22

DWG. BY: DI
CHK. BY: HFN

SCALE: NTS

DWG. #: BRB014

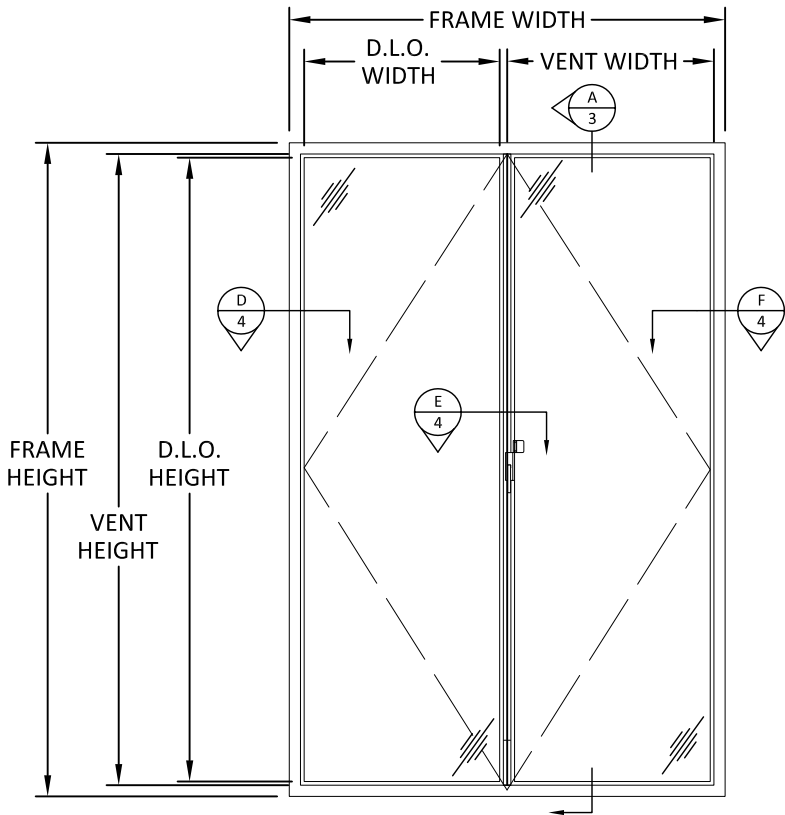
SHEET: 1 OF 6

DESIGN PRESSURE TABLE (PSF)												
FRAME WIDTH (INCHES)												
FRAME HEIGHT (INCHES)		36	42	48	54	60	66	72	78	84	90	96
	81	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	84	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-
	90	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-
	93	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
	96	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
	99	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
	102	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-
	105	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-
	108	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-

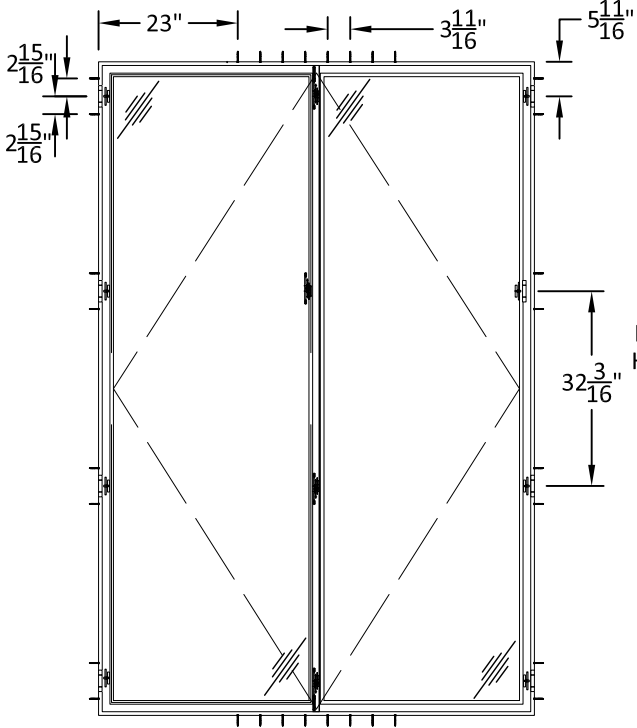
NOTE: THE ABOVE VALUES APPLY TO XX CONFIGURATIONS IN GALVANIZED STEEL, CORTEN STEEL, OR STAINLESS STEEL. OT/67 (BRASS) PROFILES SHALL BE LIMITED TO A MAXIMUM FRAME SIZE OF 72" x 96" AND A DESIGN PRESSURE OF ±60 PSF.

FRENCH CASEMENT (XX)
FARO 65 AND FARO 75

D.L.O. SIZE:
D.L.O. WIDTH = (FRAME WIDTH/2) - 3 11/16"
D.L.O. HEIGHT = FRAME HEIGHT - 4 15/16"
VENT SIZE:
VENT WIDTH = (FRAME WIDTH/2) - 2 1/2"
VENT HEIGHT = FRAME HEIGHT - 3 3/4"



ELEVATION
XX FARO 65
AND FARO 75



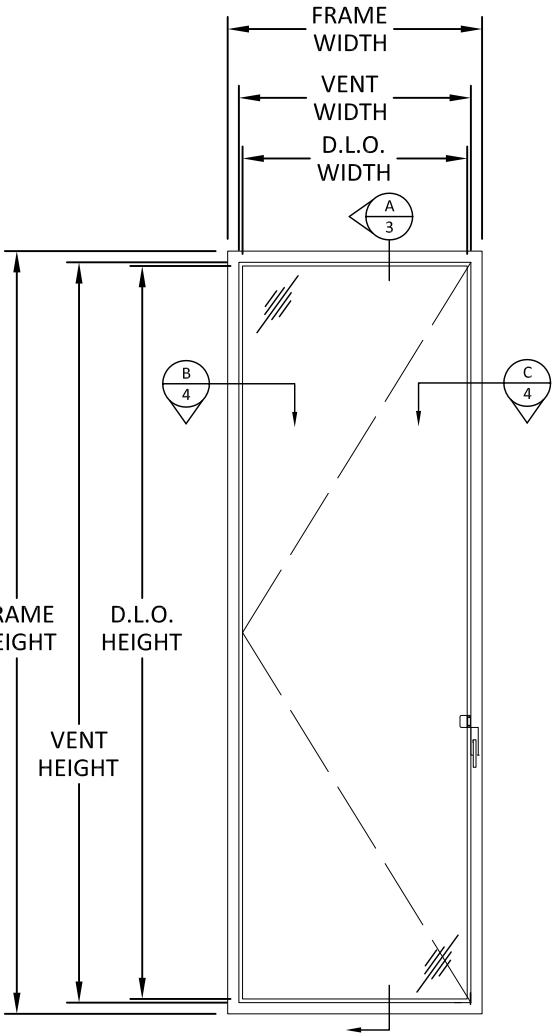
ANCHOR LAYOUT

DESIGN PRESSURE TABLE (PSF)												
FRAME WIDTH (INCHES)												
FRAME HEIGHT (INCHES)		16	18	20	22	24	28	32	36	40	44	48
	90	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	96	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-
	102	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-
	108	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-
	112	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-
	116	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
	120	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
	122	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
	125	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-

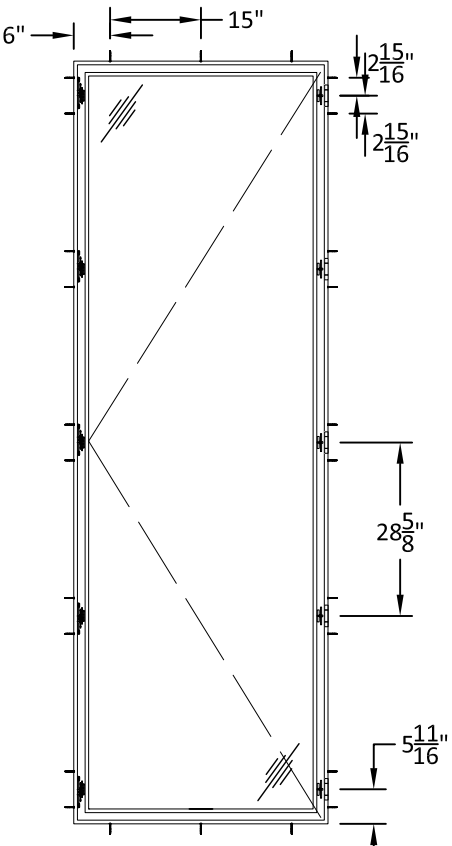
NOTE: THE ABOVE VALUES APPLY TO X CONFIGURATIONS IN GALVANIZED STEEL, CORTEN STEEL, OR STAINLESS STEEL. OT/67 (BRASS) PROFILES SHALL BE LIMITED TO A MAXIMUM FRAME SIZE OF 36" x 96" AND A DESIGN PRESSURE OF ±60 PSF.

SINGLE CASEMENT (X)
FARO 65 AND FARO 75

D.L.O. SIZE:
D.L.O. WIDTH = FRAME WIDTH - 3 15/16"
D.L.O. HEIGHT = FRAME HEIGHT - 3 15/16"
VENT SIZE:
VENT WIDTH = FRAME WIDTH - 3 3/4"
VENT HEIGHT = FRAME HEIGHT - 3 3/4"



ELEVATION
X FARO 65
AND FARO 75



ANCHOR LAYOUT

BROMBAL
LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: SERIES FARO 65 CASEMENT
(HVHZ) (IMPACT)
ELEVATION & ANCHOR LAYOUT

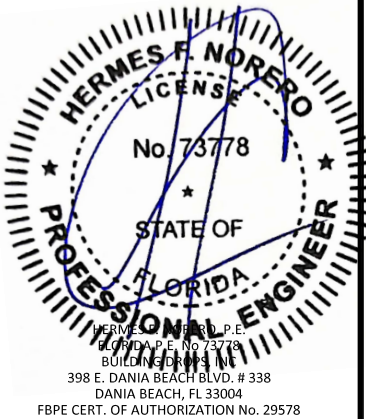
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REMARKS	BY	DATE
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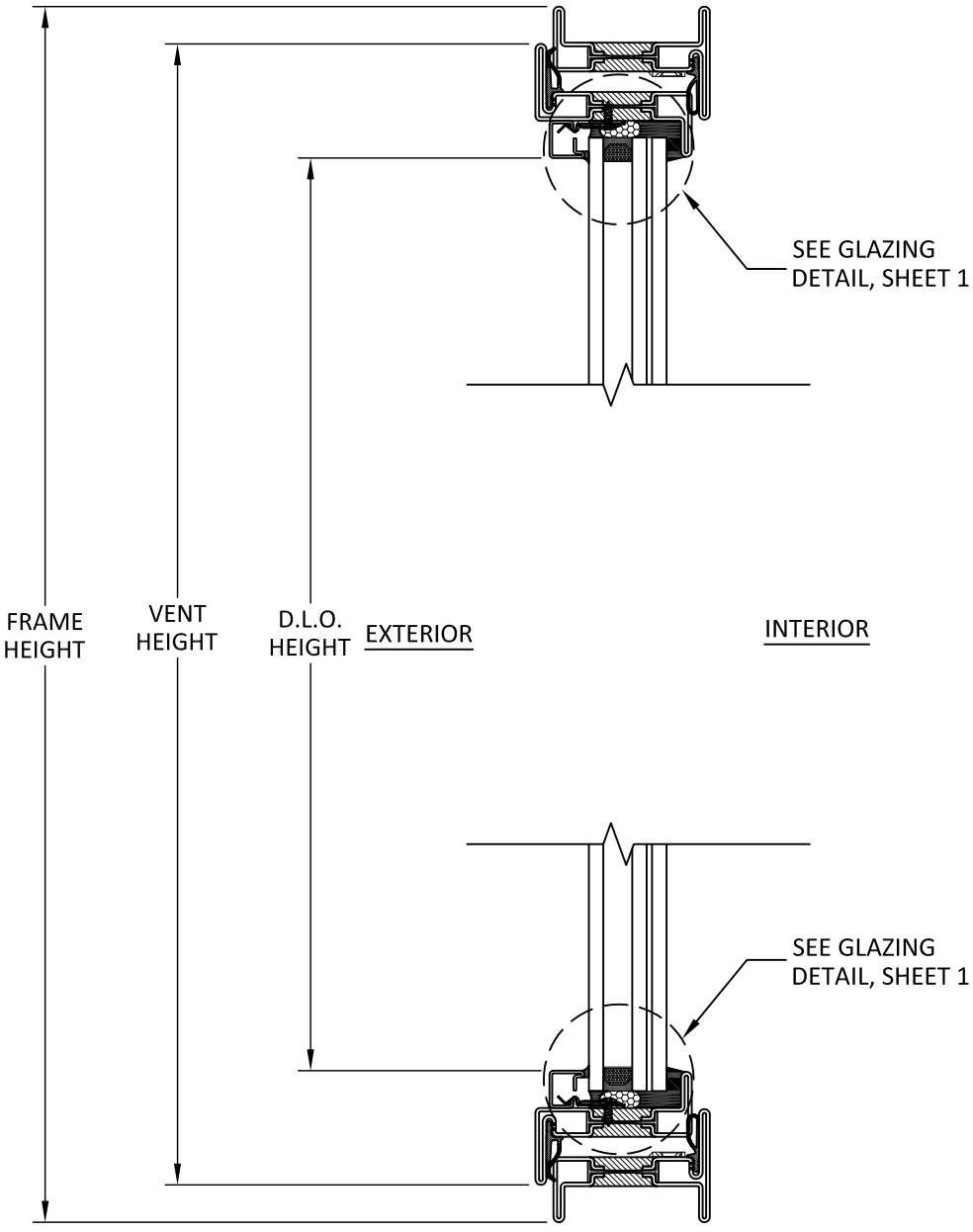
CHK. BY: HFN

SCALE: NTS

DWG. #: BRB014

SHEET: 2

OF 6



A
3 **VERTICAL SECTION**
OUTSIDE GLAZED
FARO 65

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

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LUXURY METAL WINDOWS AND DOORS

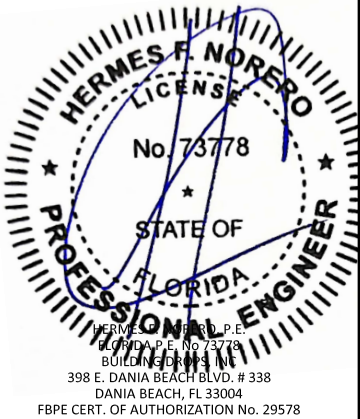
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VERTICAL SECTIONS

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SHEET:
3

OF 6

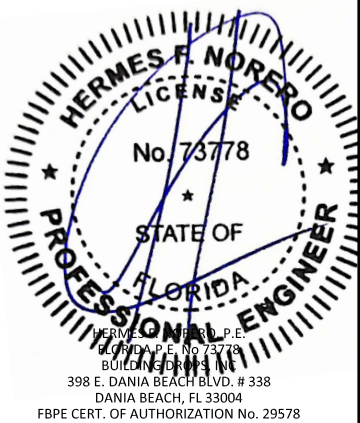
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HORIZONTAL SECTIONS

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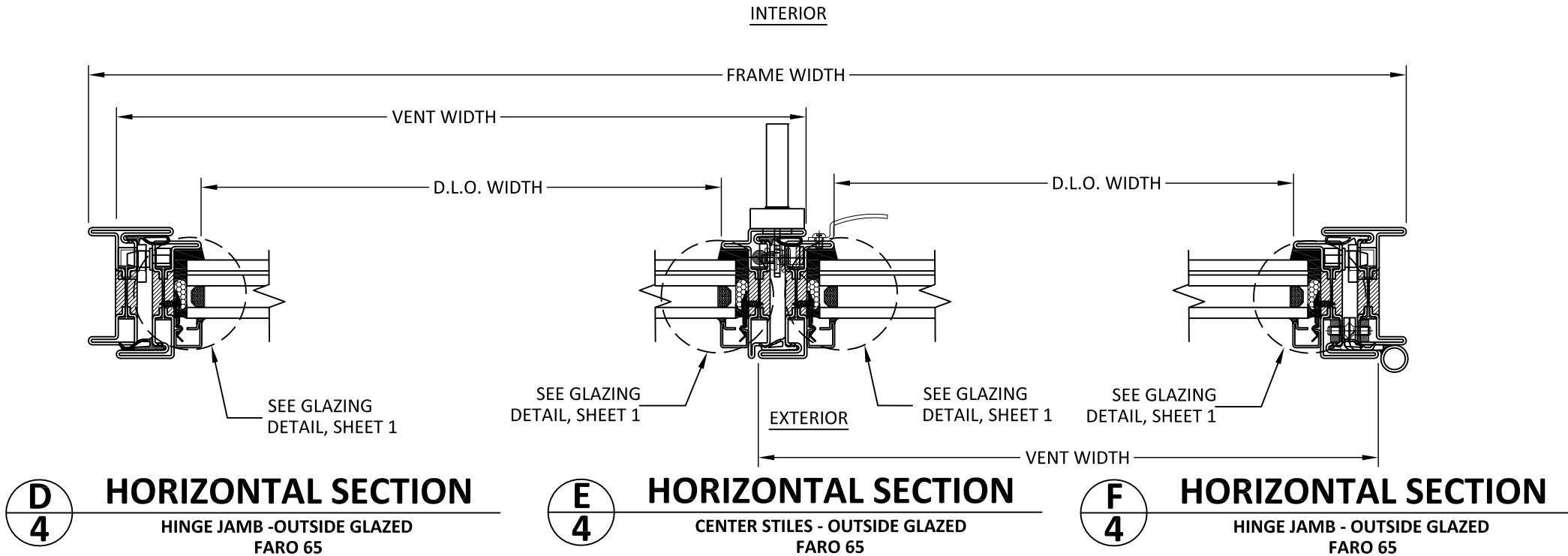
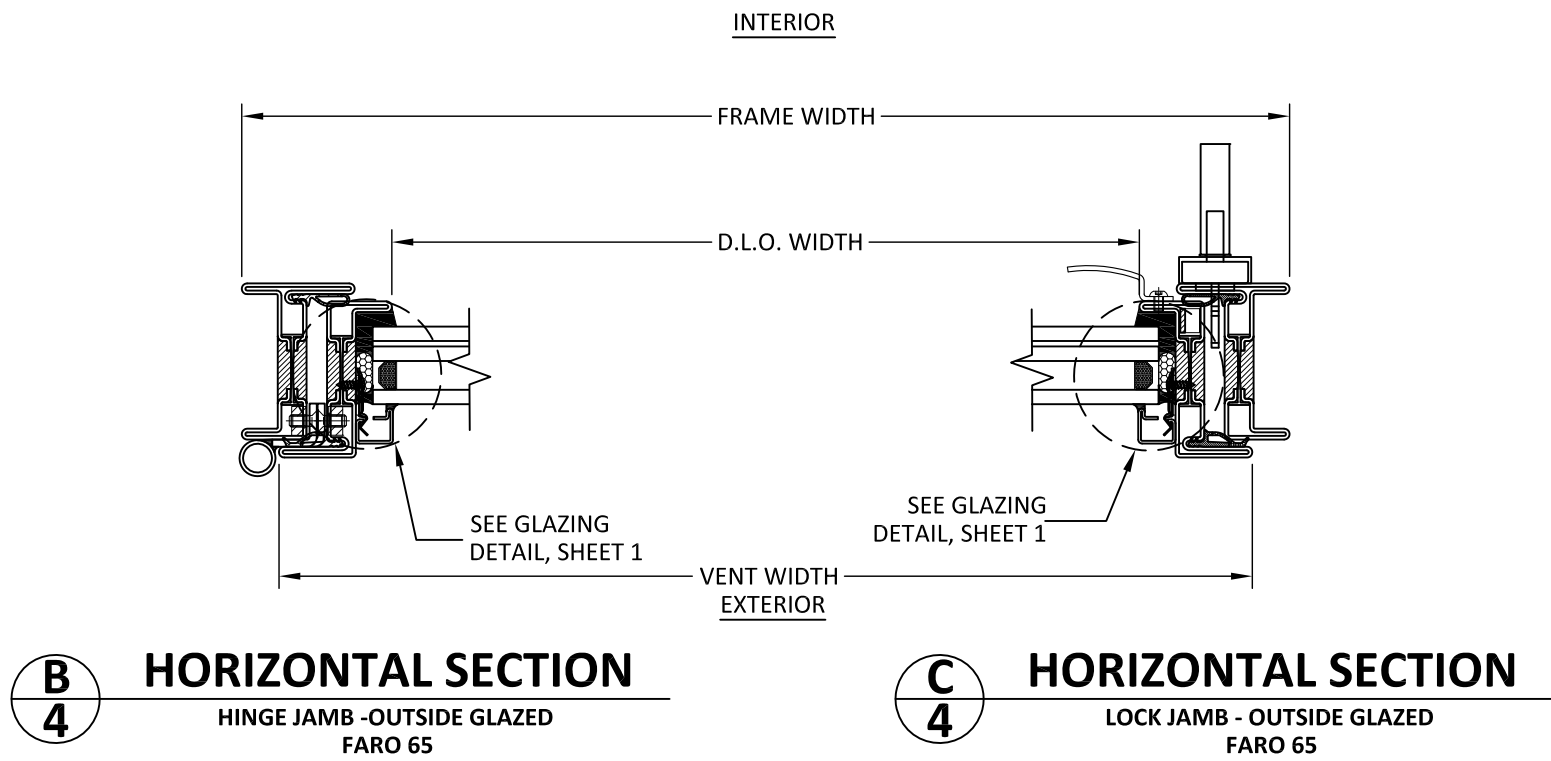
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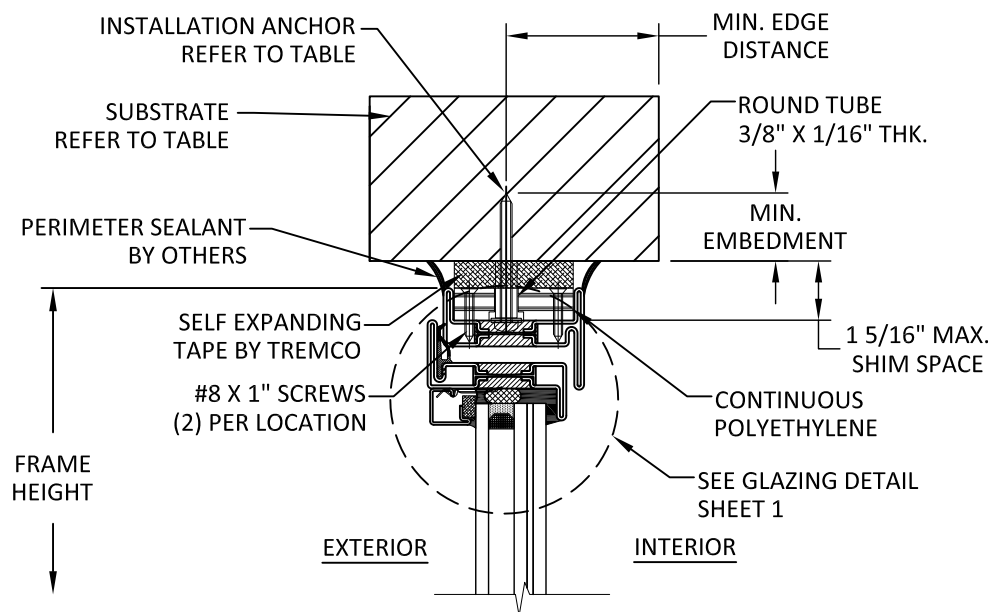
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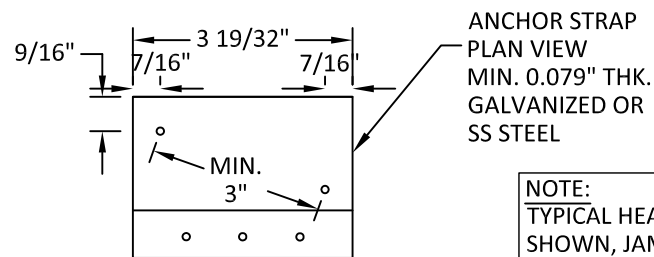
SHEET:
4



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

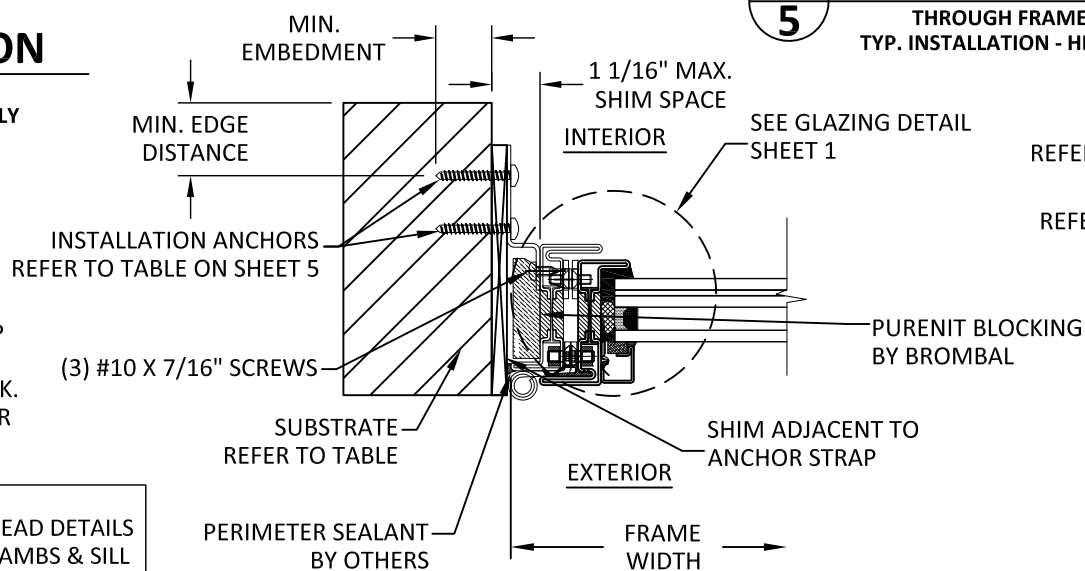


Q5 **VERTICAL SECTION**
DEFLECTION ANCHOR
TYP. INSTALLATION - HEAD ONLY

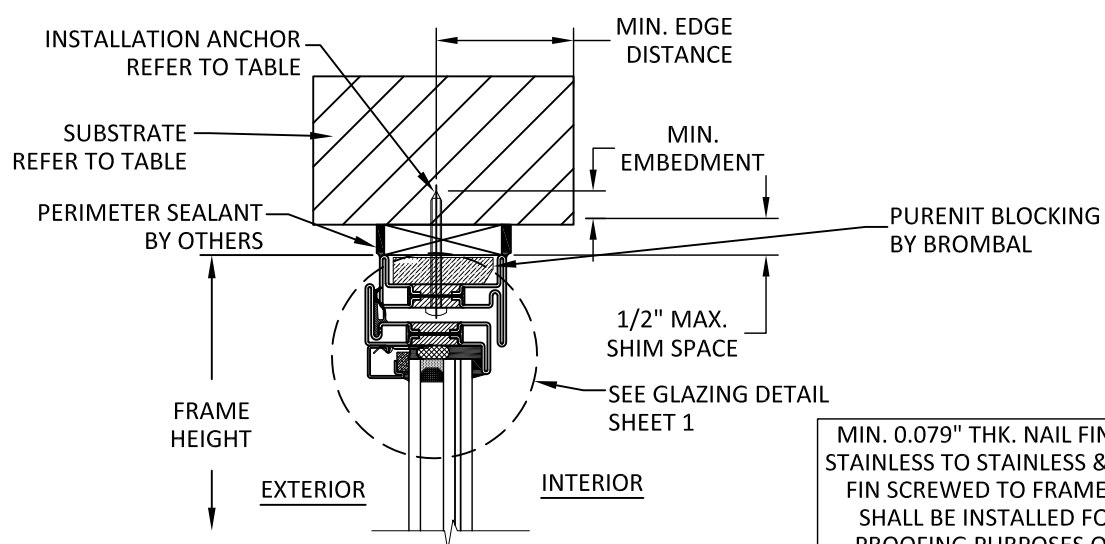


ANCHOR STRAP
PLAN VIEW
MIN. 0.079" THK.
GALVANIZED OR
SS STEEL

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

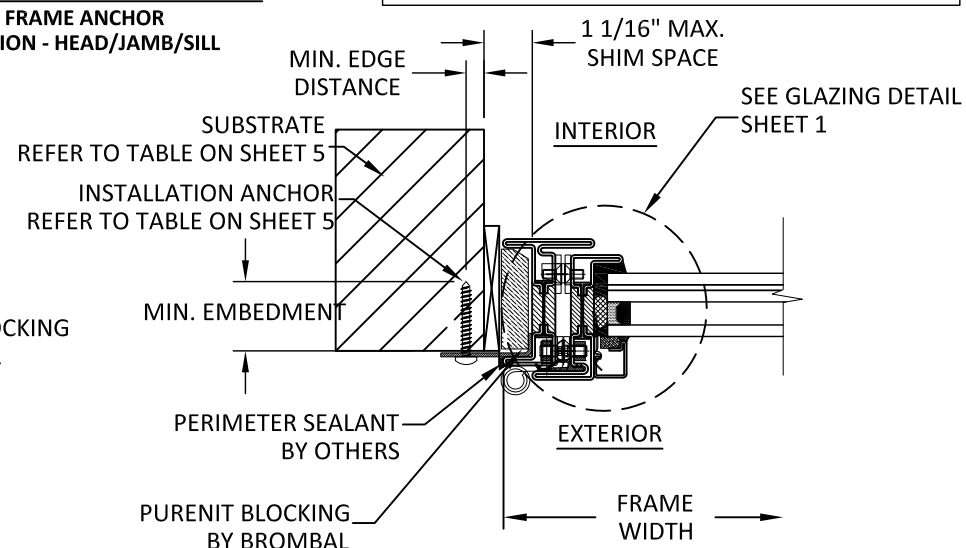


R5 **HORIZONTAL SECTION**
THRU STRAP INSTALLATION
TYP. INSTALLATION - HEAD/JAMB/SILL



S5 **VERTICAL SECTION**
THROUGH FRAME ANCHOR
TYP. INSTALLATION - HEAD/JAMB/SILL

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.



T5 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION
TYP. INSTALLATION - HEAD/JAMB/SILL

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2, UNLESS OTHERWISE STATED.
- 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, 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 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	1/4" 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"
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"

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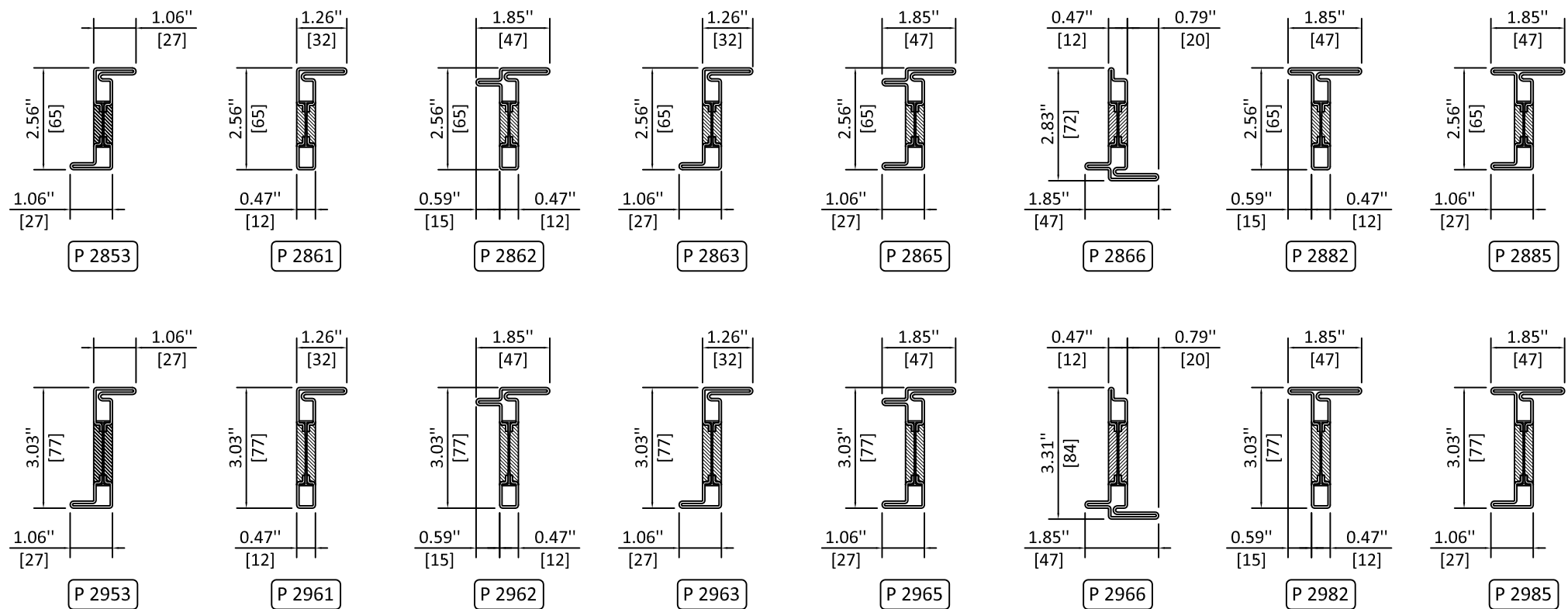
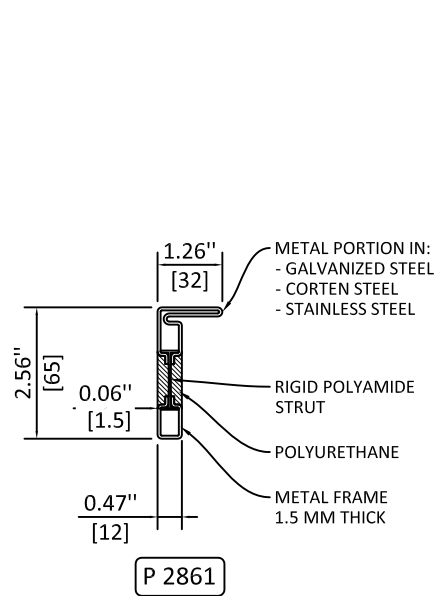
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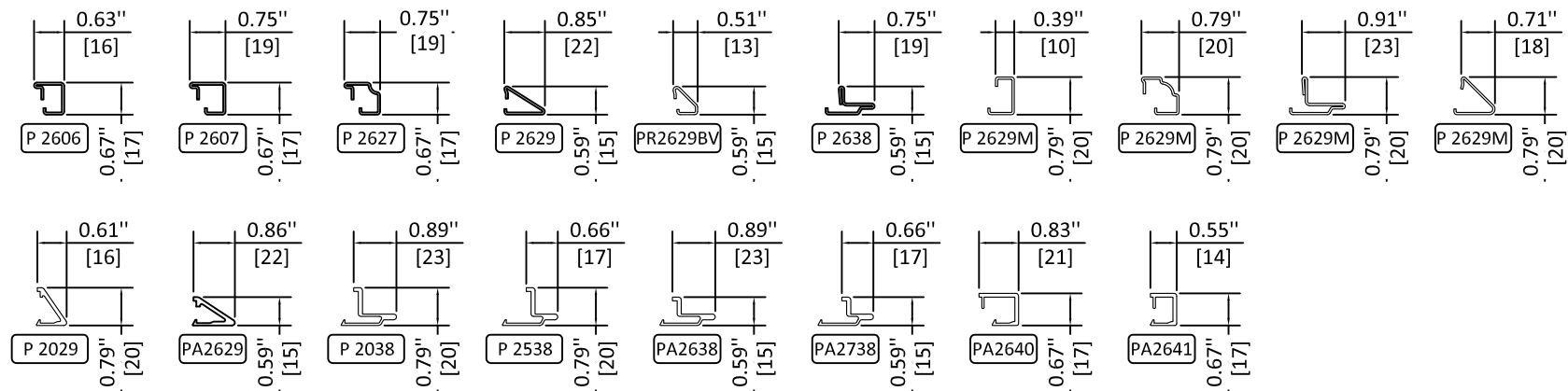
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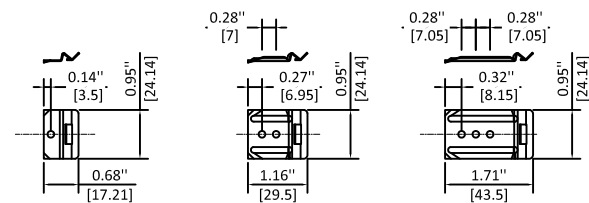
APPROVED FRAME PROFILE OPTIONS



APPROVED GLAZING BEAD PROFILE OPTIONS



GLAZING BEAD CLIP DETAIL



GLAZING BEAD NOTES:

- GLAZING BEADS MAY BE FASTENED USING THE GLAZING BEAD CLIPS SHOWN WITH 3.5 X 9.5 MM SCREWS, ADHESIVE, OR DOUBLE SIDED TAPE FOLLOWING MANUFACTURER'S SUGGESTED ASSEMBLY METHODS.

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LUXURY METAL WINDOWS AND DOORS

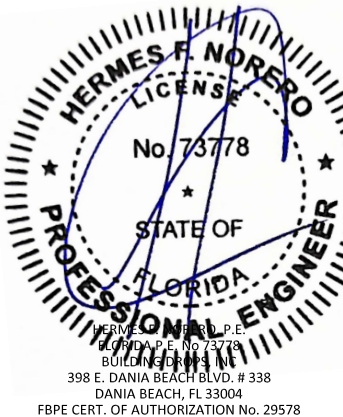
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