

Co.Me.P Infissi SRL

EBE 85 PIVOT DOOR

(HVHZ) (IMPACT)

GENERAL NOTES:

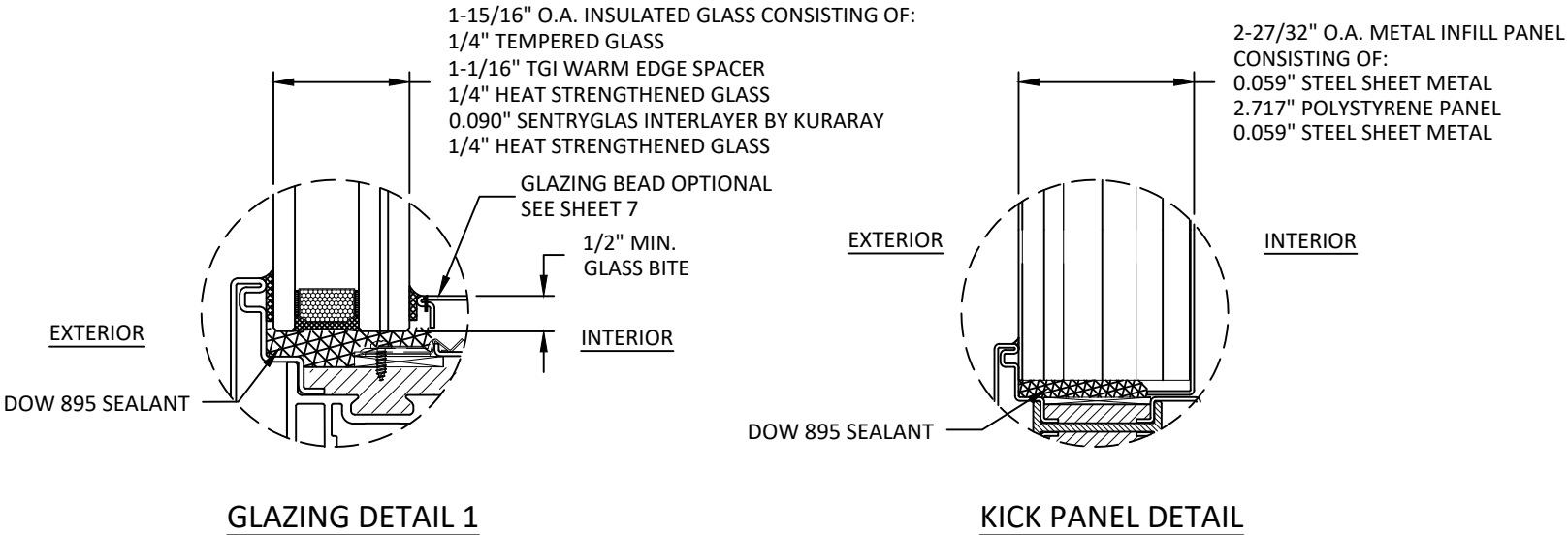
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING HVHZ** AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E283-19
 - ASTM E331-00(16)
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL 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.
- 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.
- 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** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL:
 - BRASS (MIN. FY = 29 KSI, MIN. FU = 50 KSI)
 - STEEL/PAINTED STEEL (MIN. FY = 31 KSI, MIN. FU = 72 KSI)
 - COR-TEN STEEL (MIN. FY = 51 KSI, MIN. FU = 74 KSI)
 - STAINLESS STEEL (MIN. FY = 31 KSI, MIN. FU = 76 KSI)
- DOOR HARDWARE: DORMA BTS80 (BOTTOM PIVOT/CLOSER), FRITS JURGENS M+ 70mm (BOTTOM PIVOT), GIESSE PERIMETER LOCKS, SICURTOP MULTIPOINT LOCKS, CISA MULTIMATIC LOCK.
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

GLAZING NOTES:

- GLASS TYPE 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.
- TWO APPROVED SETTING BLOCKS SHALL BE USED FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DP TABLE ON SHEET 2 AND ELEVATIONS ON SHEET 3.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	DESIGN PRESSURE TABLES
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6	HORIZONTAL SECTIONS
7	INSTALLATION NOTES & ANCHOR DETAILS
8	QUALIFIED PROFILES

FRAME SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT		
SEE SHEET 2	SEE SHEET 2	SEE SHEET 2	LARGE & SMALL MISSILE IMPACT



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TITLE:
EBE 85 PIVOT DOOR
(HVHZ) (IMPACT)

GENERAL NOTES & GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.

1900 NE MIAMI CT., STE. 2-15
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PH: (954)744-4738
WEB: WWW.BUILDINGDROPS.COM



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.10.25 17:46:40 -0400



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RN

CHK. BY:
HFN

SCALE: NTS

DWG. #: COM014

SHEET: OF 8

1

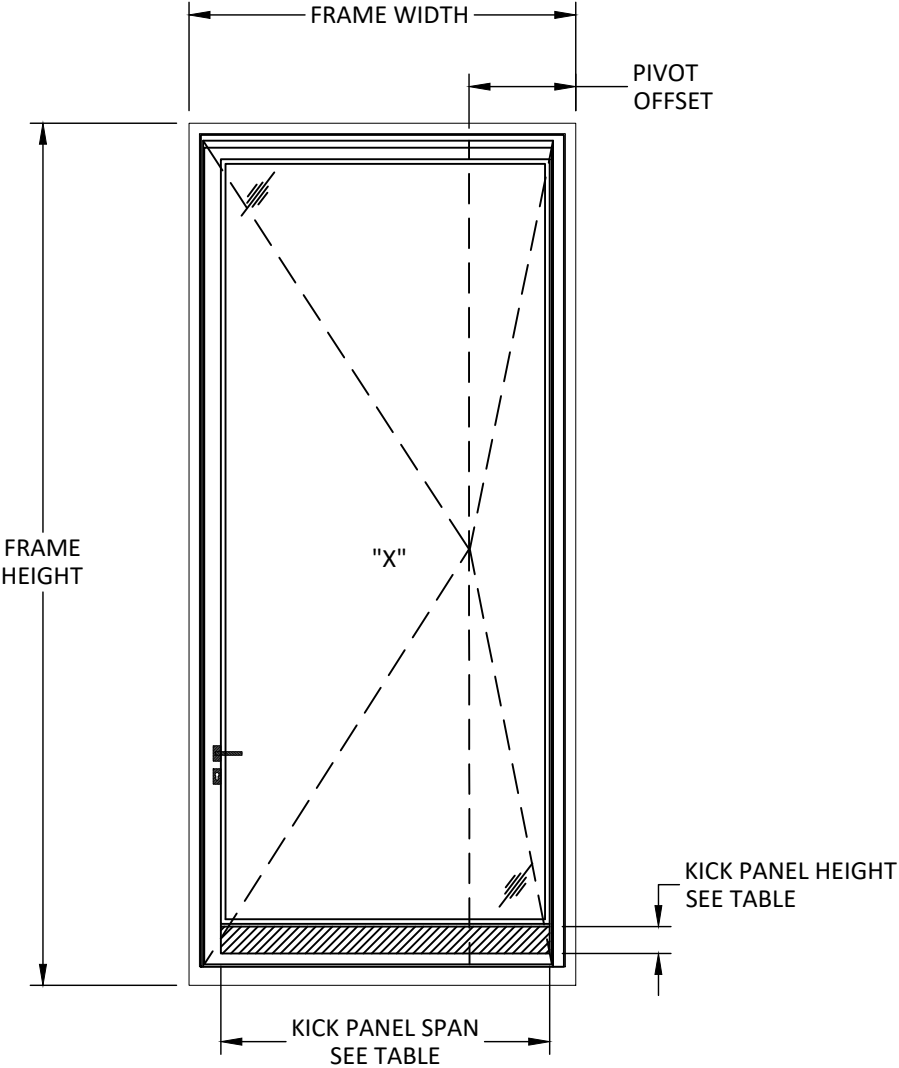
DESIGN PRESSURE TABLES

ALLOWABLE DESIGN PRESSURE (PSF)										
FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)									
		48	54	60	67.75	72	78	84	90	96
	88	75.0	75.0	75.0	75.0	70.6	65.1	60.5	57.7	57.7
	94	75.0	75.0	75.0	75.0	70.6	65.1	60.5	56.5	54.1
	100	75.0	75.0	75.0	75.0	70.6	65.1	60.5	56.5	52.9
	106	75.0	75.0	75.0	75.0	70.6	65.1	60.5	56.5	-
	112	75.0	75.0	75.0	75.0	70.6	65.1	60.5	-	-
	118	75.0	75.0	75.0	75.0	70.6	65.1	60.5	-	-
	124	75.0	75.0	75.0	75.0	70.6	65.1	-	-	-
	130	75.0	75.0	75.0	75.0	70.6	-	-	-	-
	136	75.0	75.0	75.0	75.0	70.6	-	-	-	-
	142	75.0	75.0	75.0	75.0	-	-	-	-	-
	148	75.0	75.0	75.0	75.0	-	-	-	-	-
	154	75.0	75.0	75.0	-	-	-	-	-	-
	160	75.0	75.0	75.0	-	-	-	-	-	-

FRAME WIDTH (IN.)									
48	54	60	68	72	78	84	90	96	
MINIMUM PIVOT OFFSET (IN.)									
16.0	16.0	16.0	16.0	18.0	19.0	20.0	22.0	23.0	

- NOTES:
- PIVOT DOOR UNITS WITH DRAINAGE SYSTEM RATED FOR +11.25 PSF WATER INFILTRATION RESISTANCE (CORRESPONDING TO 75 PSF POSITIVE DESIGN PRESSURE).
 - KICK PANEL IS OPTIONAL, WHEN KICK PANEL IS NOT USED DOOR IS LIMITED TO A MAXIMUM SIZE LIMITED BY THE TESTED D.L.O. AREA OF 55.65 SQ.FT.
 - PIVOT OFFSET CAN BE ANYWHERE FROM THE MINIMUM DISTANCE CALLED OUT IN THE TABLE ABOVE TO THE MIDPOINT OF THE DOOR.

KICK PANEL ALLOWABLE DESIGN PRESSURE (PSF)		
KICK PANEL HEIGHT (IN)	KICK PANEL WIDTH (IN)	EXT. (+) / INT. (-)
3.13	59.4	75.0
3.40	54.0	75.0
3.85	48.0	75.0
4.40	42.0	75.0
5.15	36.0	75.0
6.15	30.0	75.0
7.70	24.0	75.0



SIZE NOTES:

LEAF SIZES ARE AS FOLLOWS:
LEAF WIDTH = FRAME WIDTH - 2.92"
LEAF HEIGHT = FRAME HEIGHT - 3.47"

D.L.O. SIZES ARE AS FOLLOWS:
D.L.O. WIDTH = FRAME WIDTH - 8.35"
D.L.O. HEIGHT WITHOUT KICK PANEL = FRAME HEIGHT - 13.02"
D.L.O. HEIGHT WITH KICK PANEL = FRAME - 7.60"



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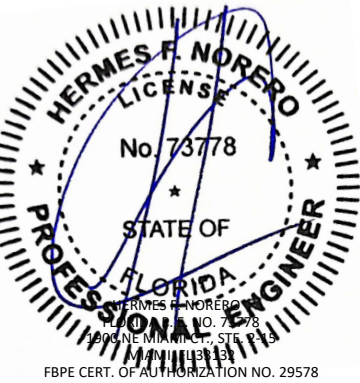
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DESIGN PRESSURE TABLES

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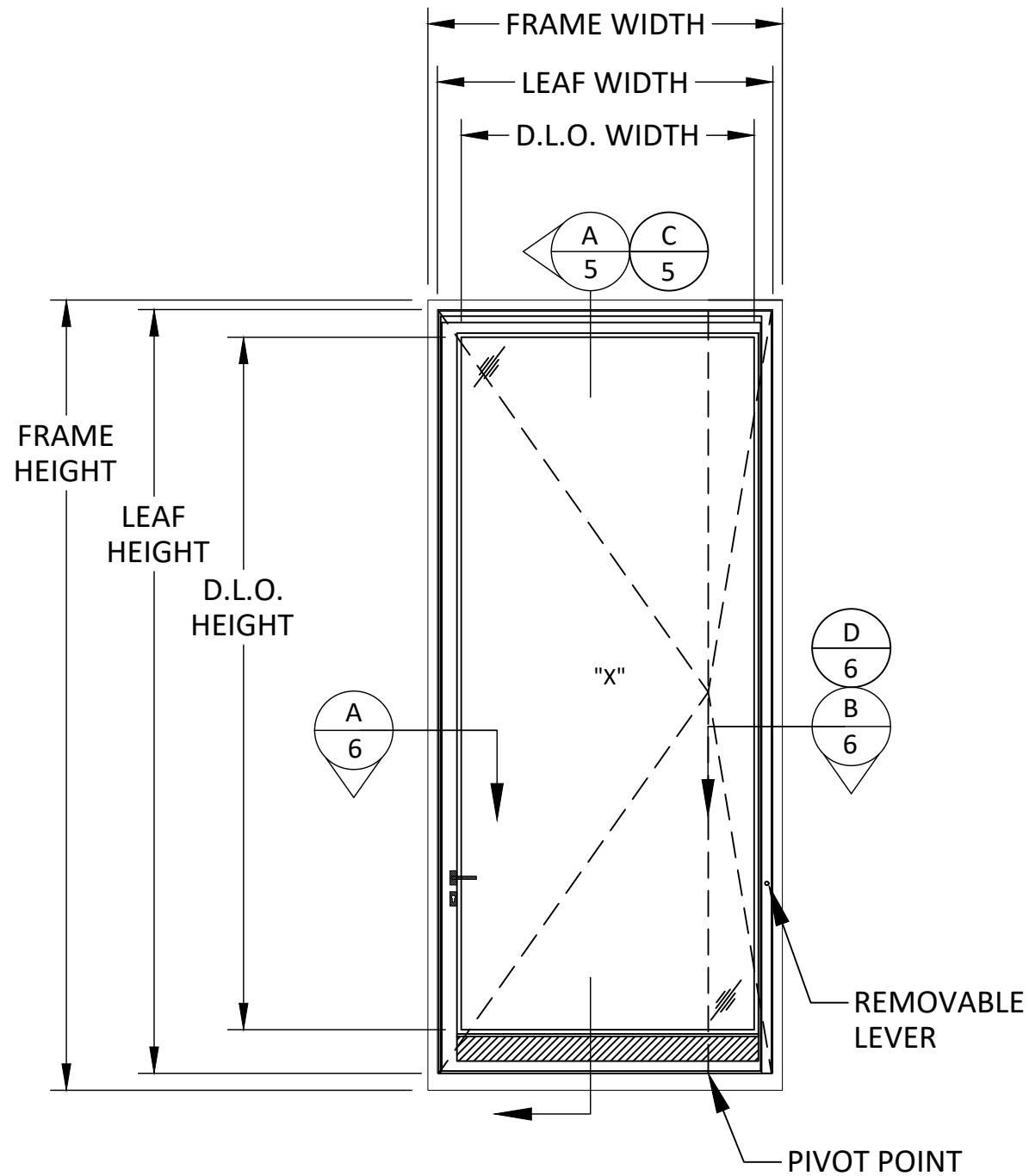
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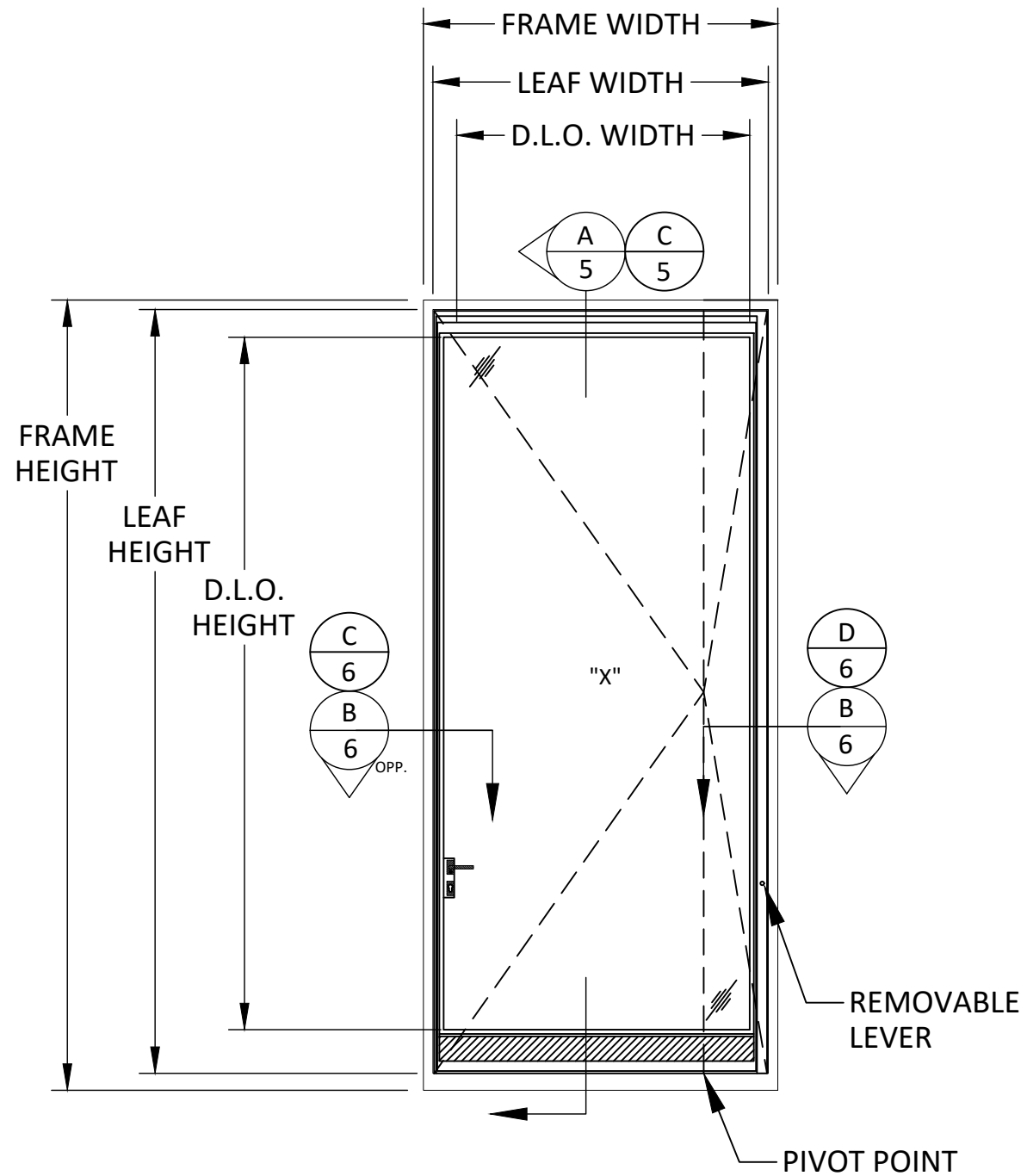
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ELEVATION
PIVOT DOOR
WITHOUT LOCK-BOX



ELEVATION
PIVOT DOOR
WITH LOCK-BOX

SIZE NOTES:

LEAF WIDTH = FRAME WIDTH - 2.92"
LEAF HEIGHT = FRAME HEIGHT - 3.47"

D.L.O. WIDTH = FRAME WIDTH - 8.35"
D.L.O. HEIGHT WITHOUT KICK PANEL = FRAME HEIGHT - 13.02"
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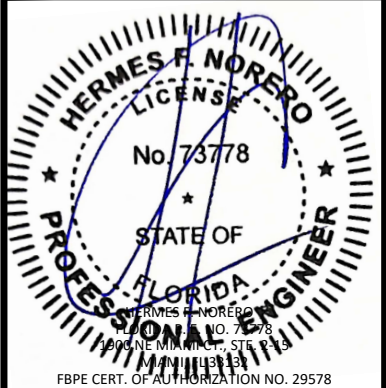
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3



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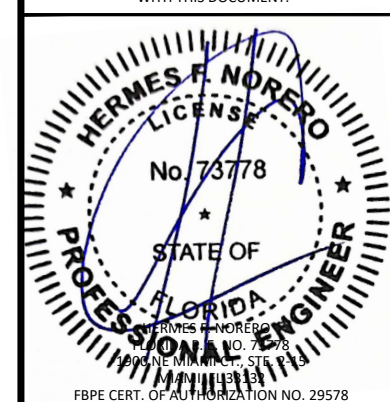
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ANCHOR LAYOUTS

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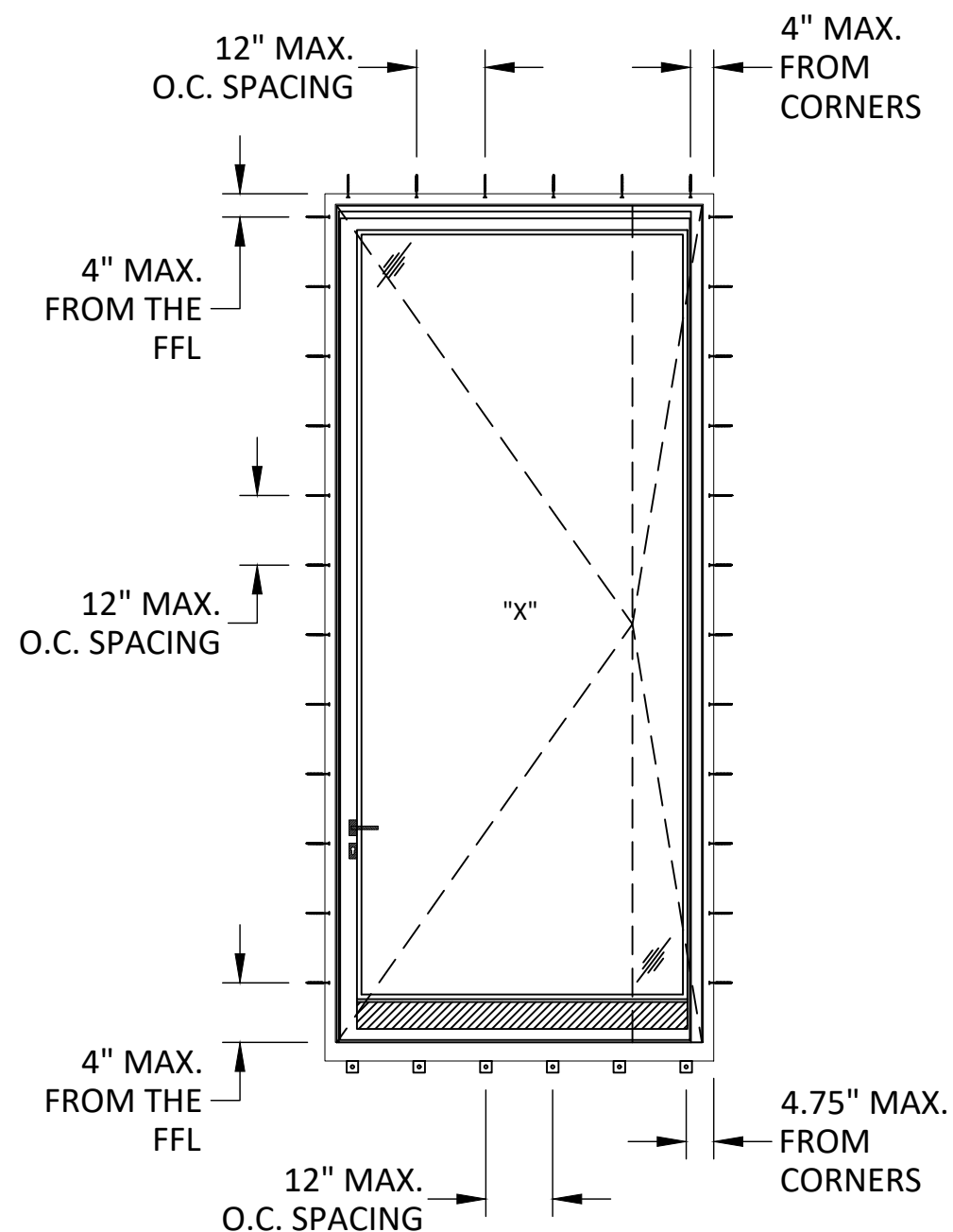
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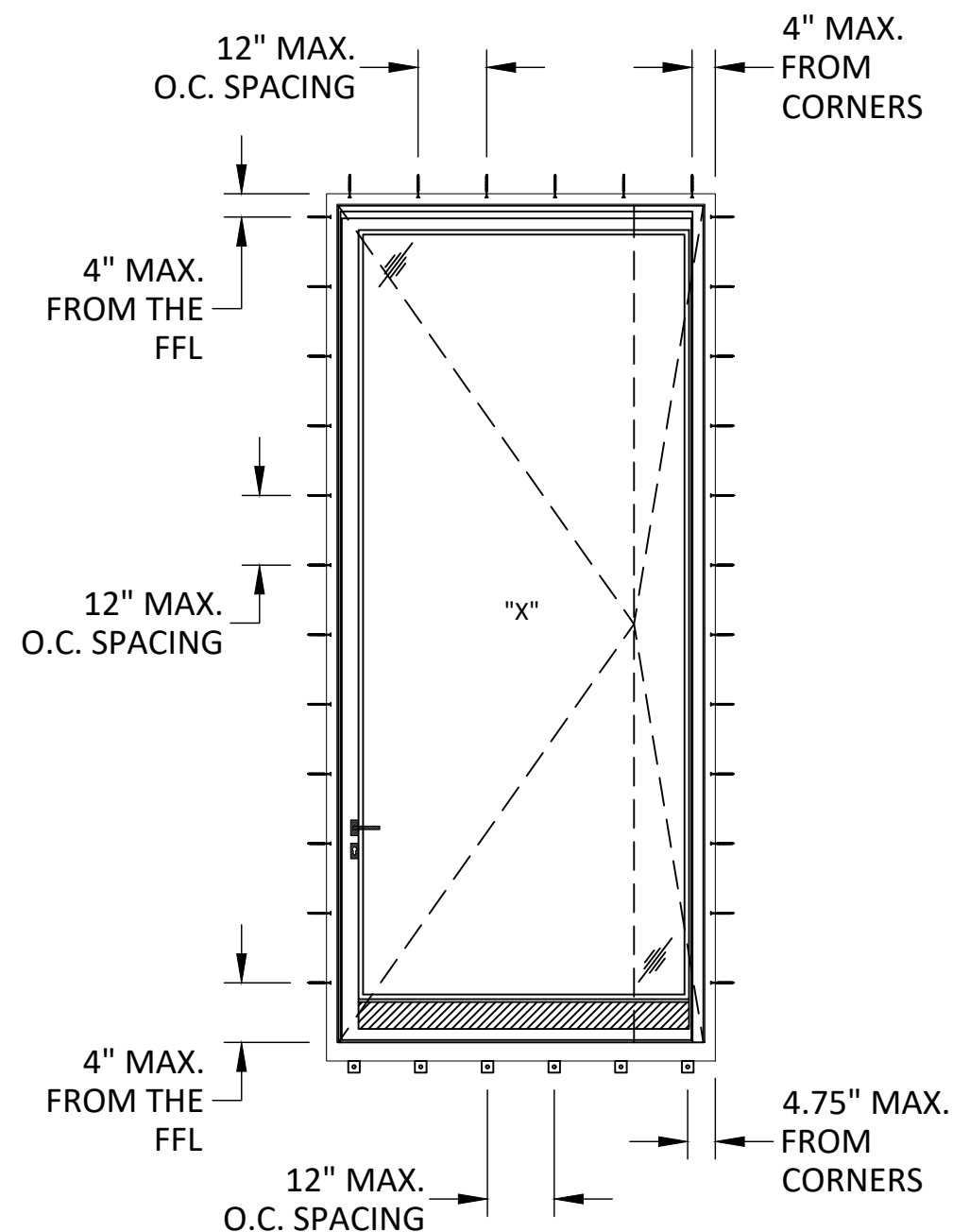


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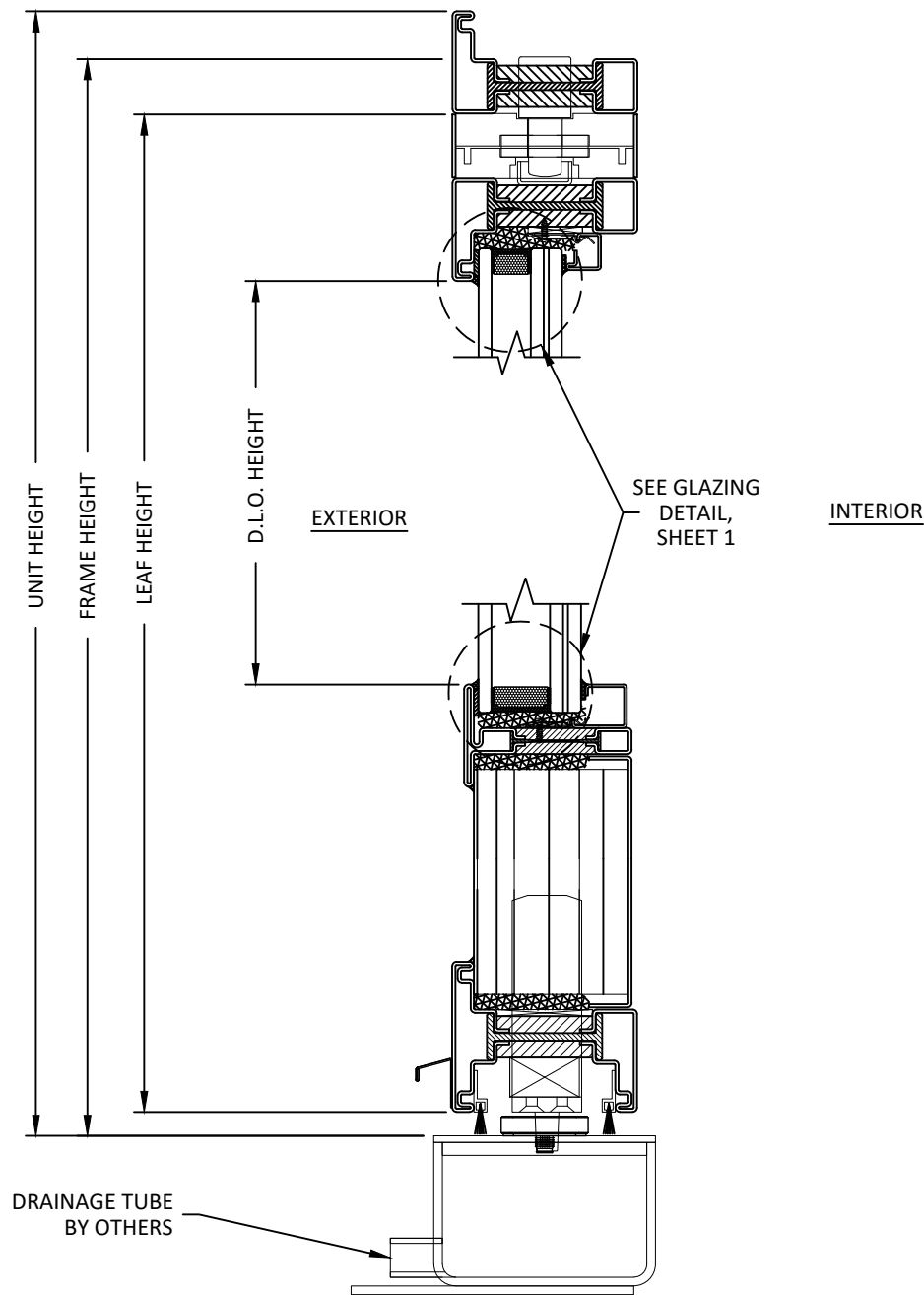


ANCHOR LAYOUT
NAIL FIN INSTALLATION

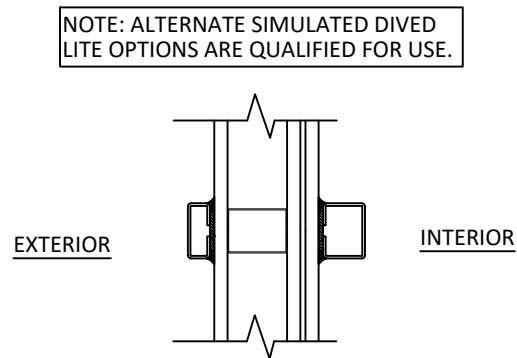


ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

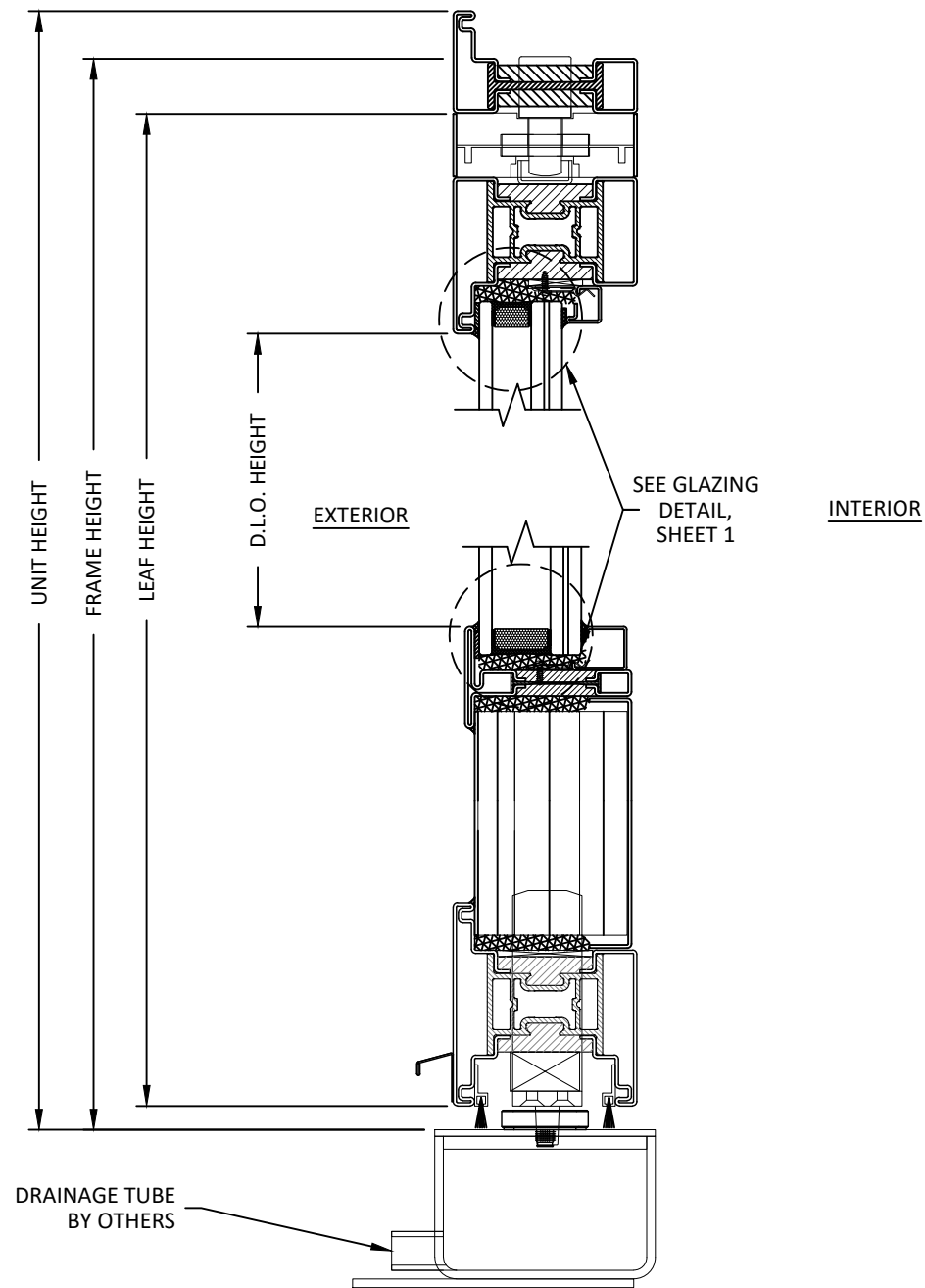
NOTE: SEE SHEET 7 FOR SILL
INSTALLATION DETAILS.



A
5 VERTICAL SECTION
HEAD & SILL



B
5 VERTICAL SECTION
OPTIONAL SIMULATED DIVIDED LITE



C
5 VERTICAL SECTION
HEAD & SILL



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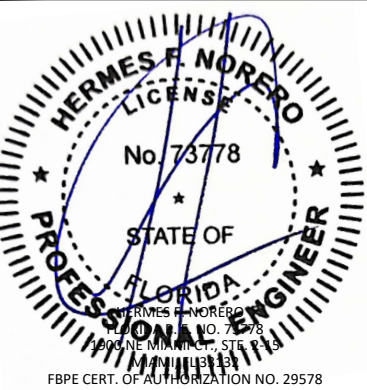
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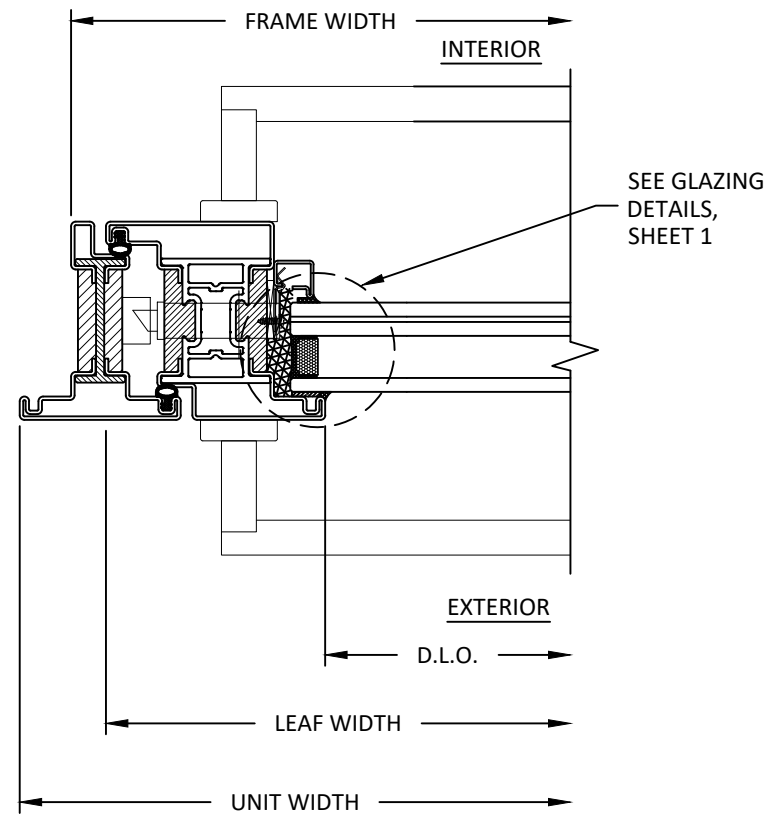
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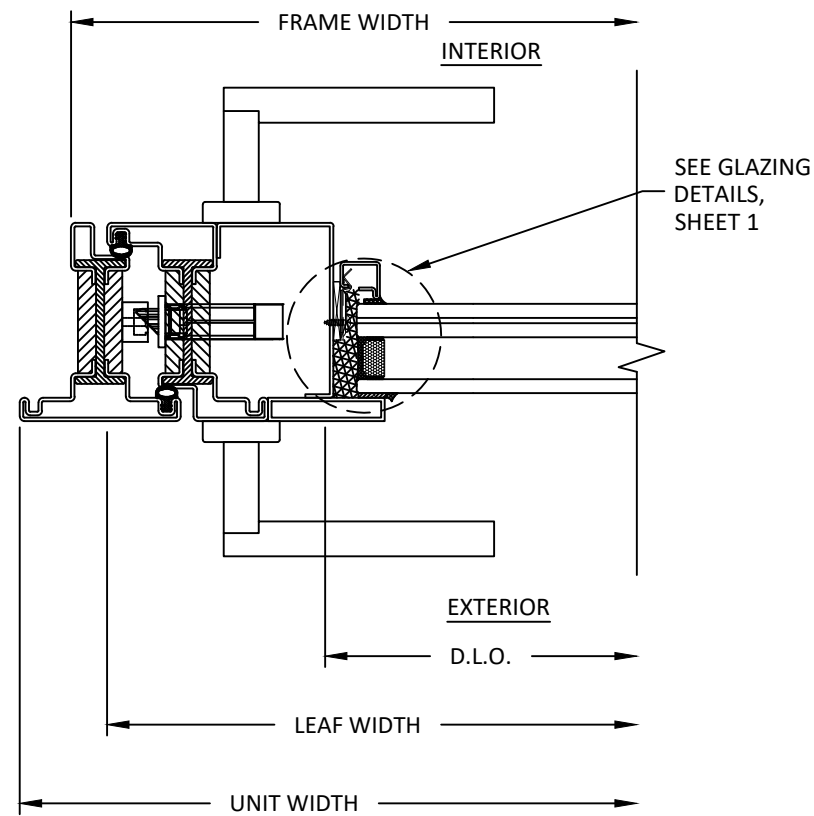
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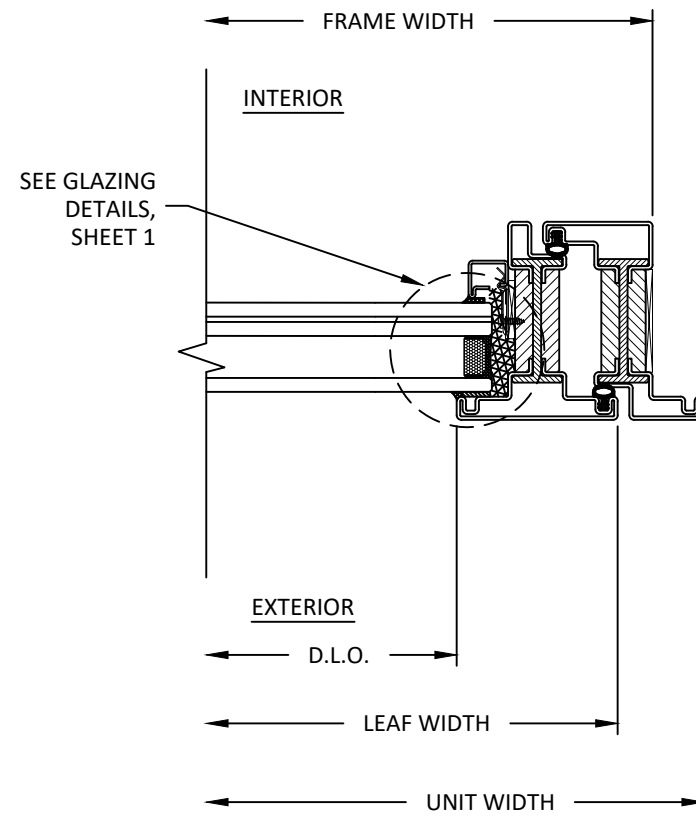
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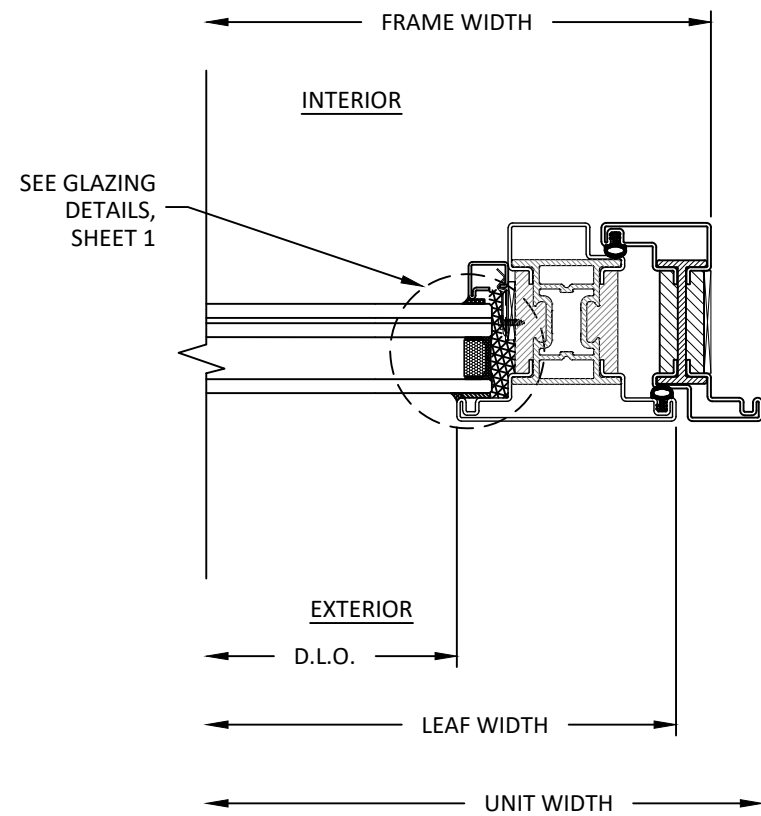
A
6 HORIZONTAL SECTION
LOCK JAMB



C
6 HORIZONTAL SECTION
LOCK-BOX JAMB



B
6 HORIZONTAL SECTION
JAMB



D
6 HORIZONTAL SECTION
JAMB



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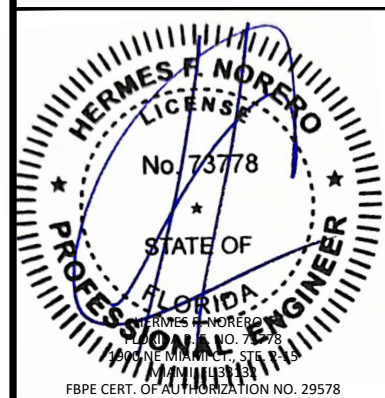
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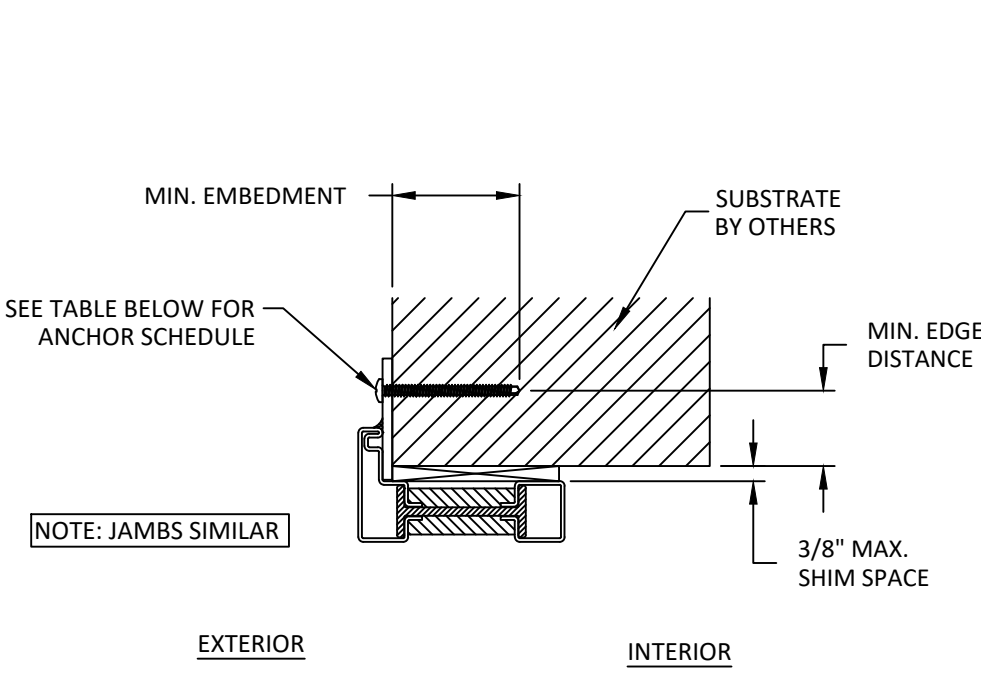
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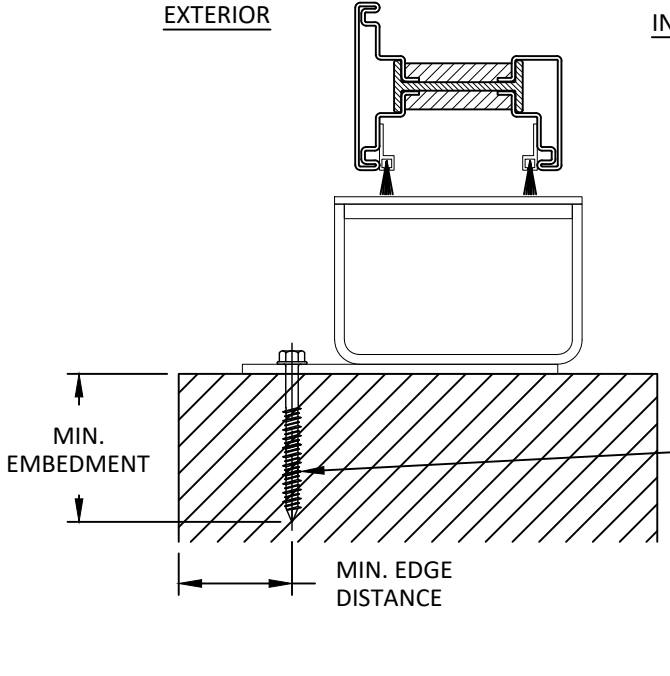
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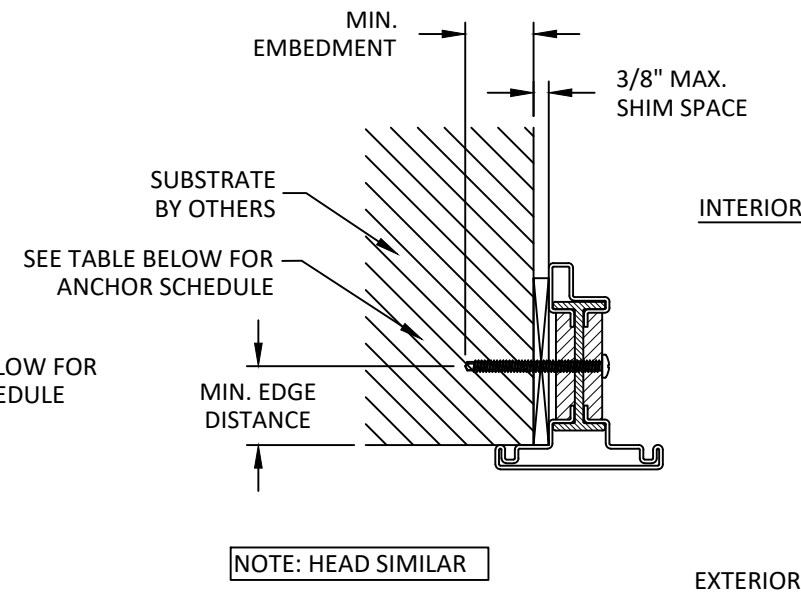
6



A
7 ANCHOR DETAIL
NAIL FIN INSTALLATION
HEAD SHOWN



B
7 ANCHOR DETAIL
THROUGH TABS
SILL



C
7 ANCHOR DETAIL
THROUGH FRAME INSTALLATION
JAMB SHOWN

INSTALLATION NOTES:

1. REFER TO ANCHOR DETAILS FOR QUANTITY OF INSTALLATION ANCHORS REQUIRED AT EACH ANCHOR LOCATION SHOWN AND SHEET 4 FOR ANCHOR SPACING REQUIREMENTS.
2. 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.
3. FOR THROUGH FRAME, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8" INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. FOR NAIL FIN, SHIM AS REQUIRED TO ACHIEVE A PLUMB AND SQUARE INSTALLATION. MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8" INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. 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.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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.
9. 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
NAIL FIN	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	1.50"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM .125" MIN., 6063-T5 MIN.	1/4" SELF DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
THROUGH FRAME/SILL TABS	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI, ALUMINUM 1/8" THK, 6063-T5 MIN.	1/4" SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
	CONCRETE: f'c = 3000 PSI	1/4" ITW TAPCON	1.50"	1.50"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.00"	2.00"

NOTE: THROUGH FRAME OPTION IS THE PREFERRED METHOD FOR INSTALLATION. NAIL FIN INSTALLATION IS OPTIONAL AND NOT REQUIRED. ADDITIONALLY BOTH METHODS OF INSTALLATION CAN BE USED AT ONCE IF PREFERRED.



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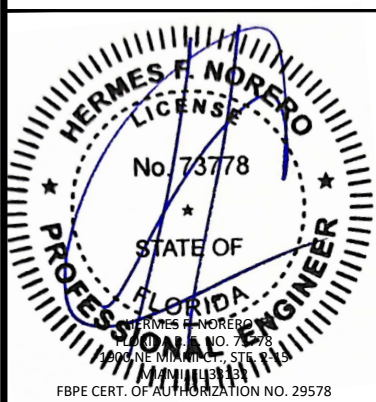
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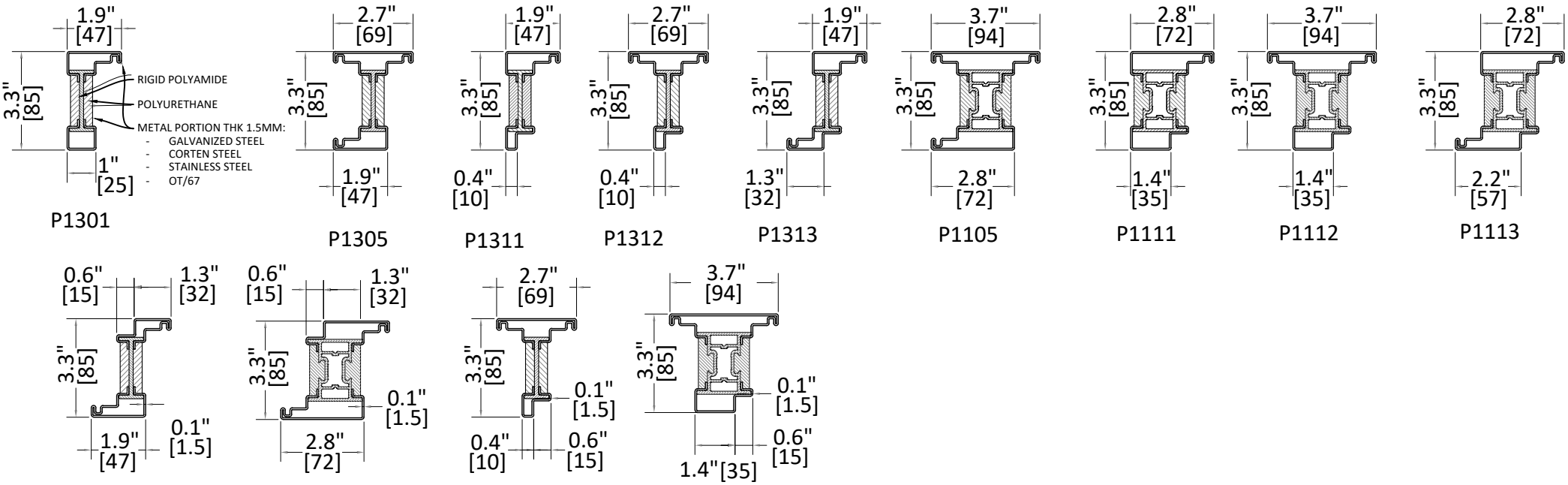
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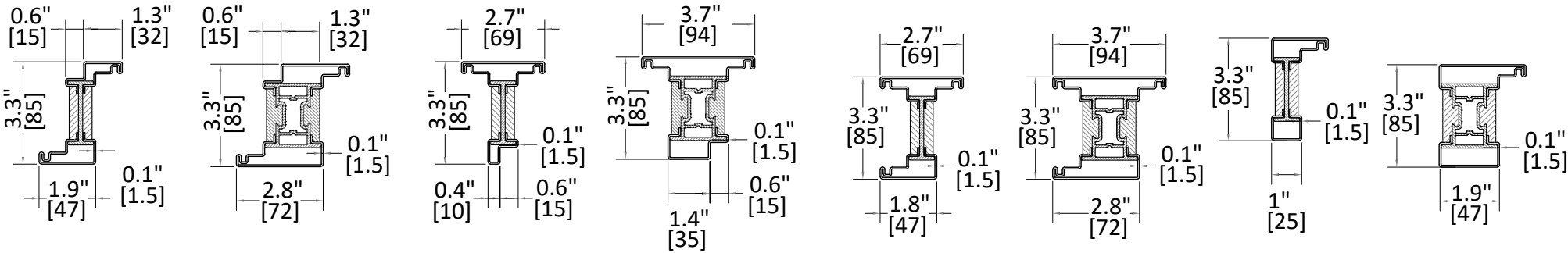
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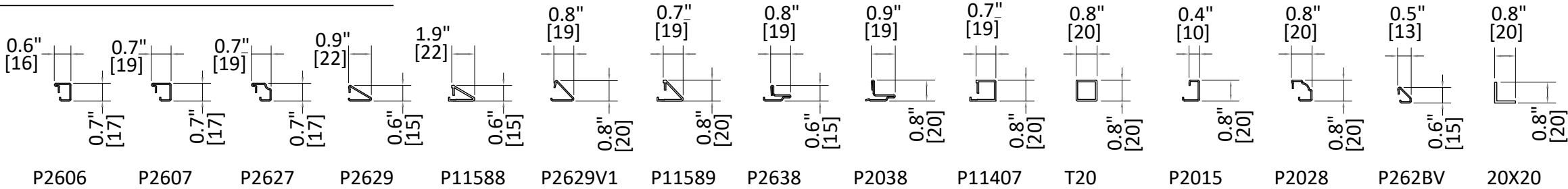
FRAME OPTIONS



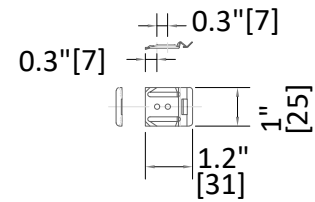
SASH OPTIONS



BEAUTY GLAZING BEADS



OPTIONAL GLAZING CLIP



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TITLE: EBE 85 PIVOT DOOR (HVHZ) (IMPACT)
QUALIFIED COMPONENTS
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
PH: (954)395-8478
PH: (954)744-4738
WEB: WWW.BUILDINGDROPS.COM

REMARKS	BY	DATE

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.



FL46874	
DATE: 08.15.2024	
DWG. BY: RN	CHK. BY: HFN
SCALE: NTS	
DWG. #: COM014	
SHEET: 8 OF 8	