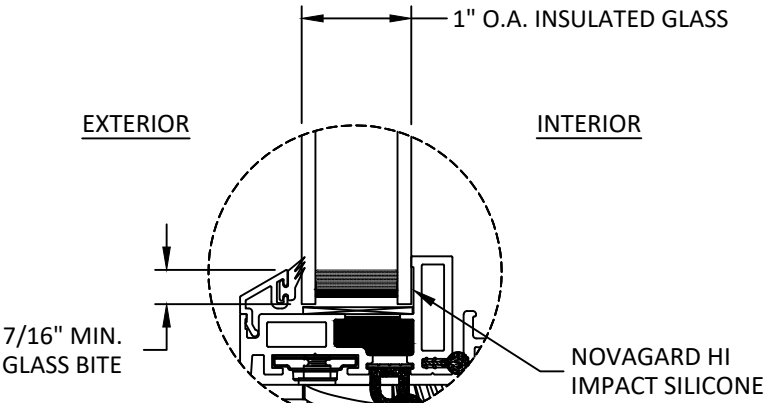


QUAKER WINDOW PRODUCTS

H4503 CASEMENT WINDOW (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- AAMA/WDMA/CSA 101/I.S.2/A440-17
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. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCTS IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: ALUMINUM 6063-T6
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.



GLAZING DETAIL

GLAZING NOTES:

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

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAIL
2	ELEVATIONS & HARDWARE LAYOUTS
3	ANCHOR LAYOUTS
4	VERTICAL SECTIONS - ROTO
5	VERTICAL SECTIONS - PUSH OUT
6	HORIZONTAL SECTIONS - ROTO
7	HORIZONTAL SECTIONS - PUSH OUT
8	ANCHOR DETAILS AND INSTALLATION NOTES

DESIGN PRESSURE RATING (PSF)					
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	OPERATOR	DESIGN PRESSURE	MISSILE IMPACT RATING
X	36.0	60.0	ROTO	+90/-90	NON-IMPACT
X	36.0	60.0	PUSH OUT	+90/-90	



PO BOX 128
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TITLE: H4503 CASEMENT WINDOW
(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES &
GLAZING DETAIL

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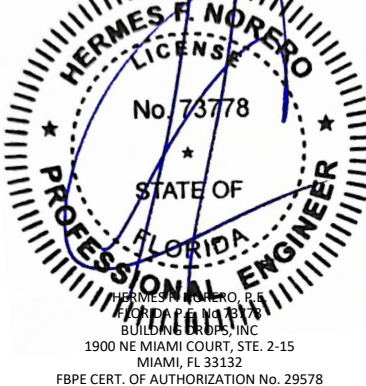
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FAX: (954) 744-4738
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Reason: I am approving this document
Date: 2025.07.11 15:04:46 -04'00'



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CHK. BY: HFN

SCALE: NTS

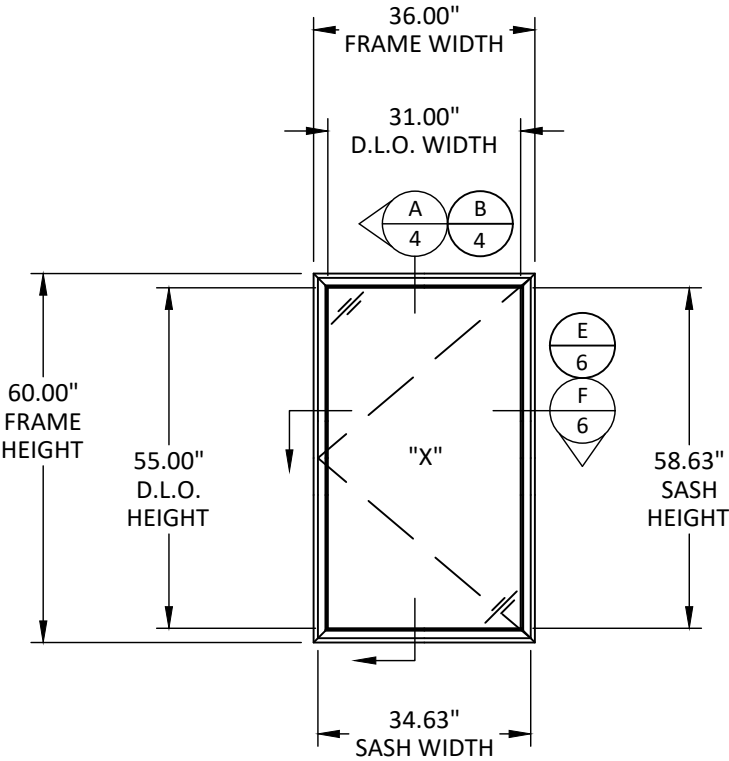
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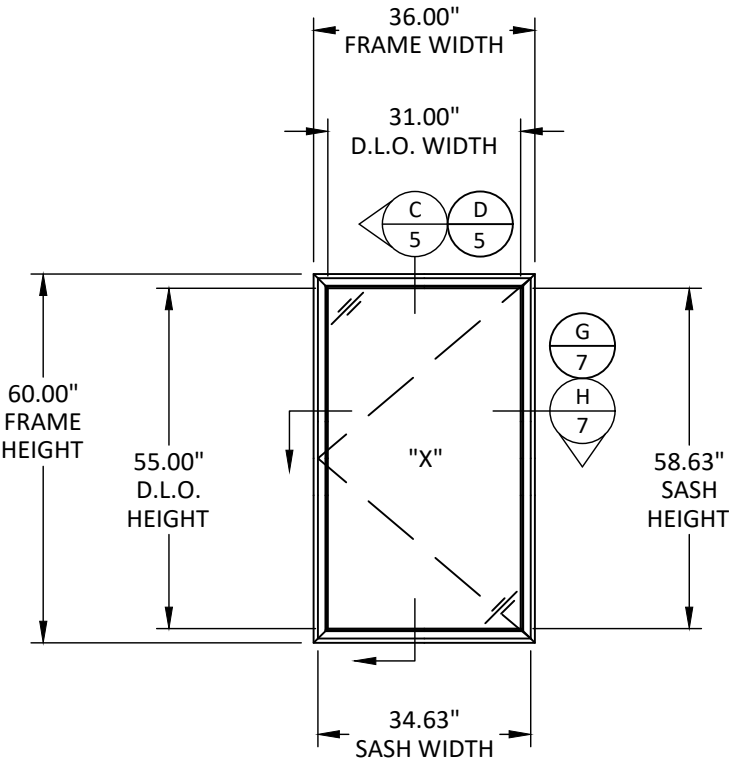
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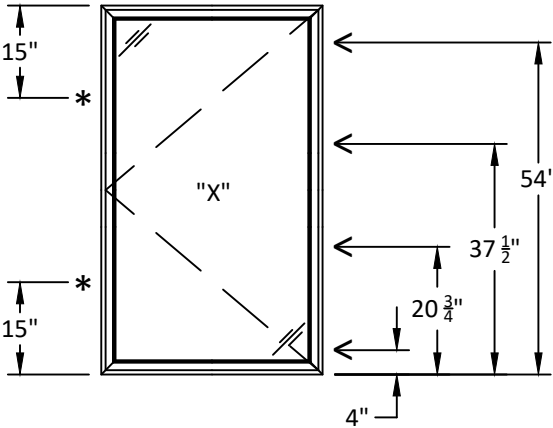
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ELEVATION
ROTO

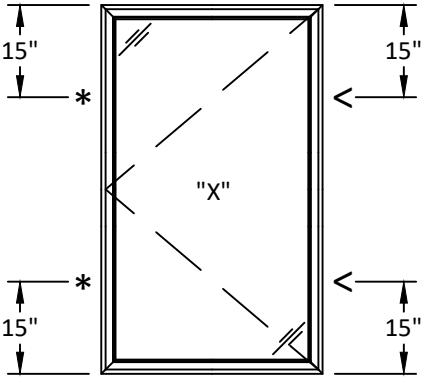


ELEVATION
PUSH OUT



HARDWARE LAYOUT
ROTO

HARDWARE NOTES:
* = SNUBBER LOCATION
< = LOCKING POINT



HARDWARE LAYOUT
PUSH OUT



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ELEVATIONS &
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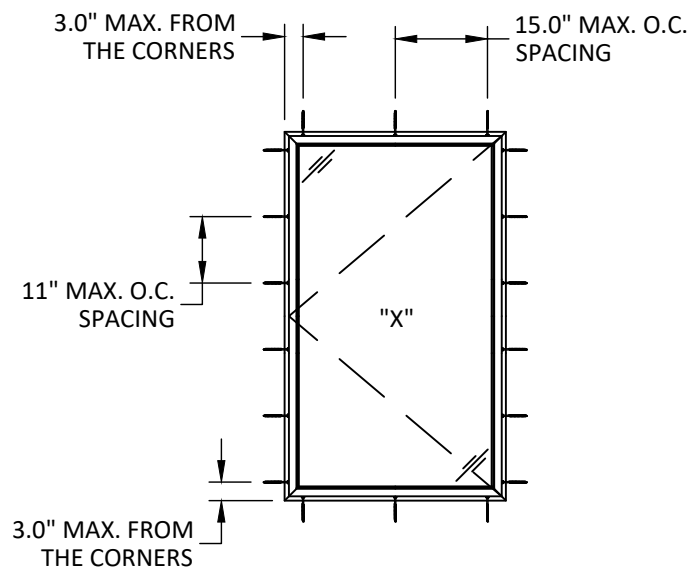
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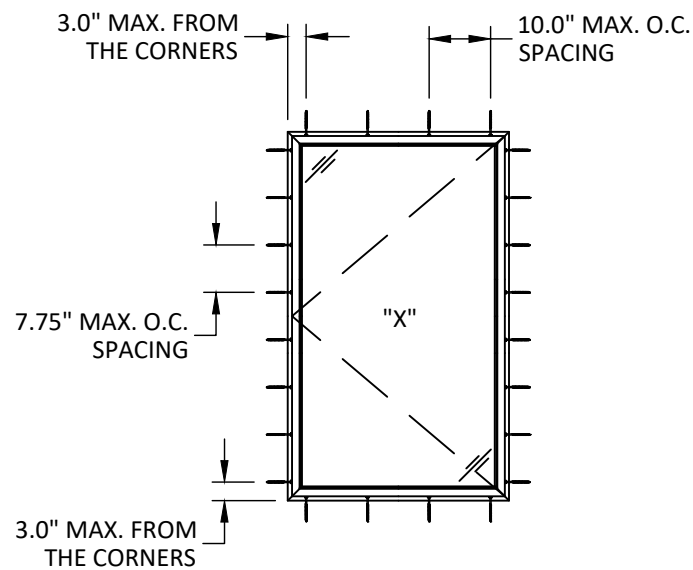
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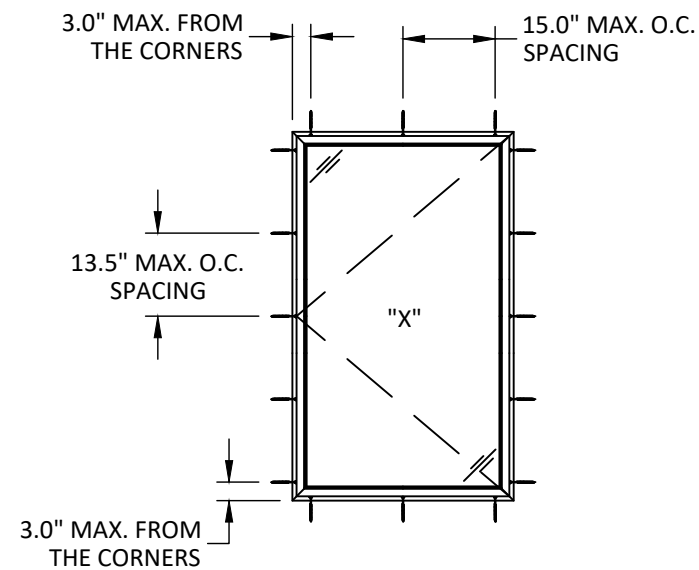
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ANCHOR LAYOUT
NAIL FIN INSTALLATION



ANCHOR LAYOUT
THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
CLIP INSTALLATION



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ANCHOR LAYOUTS

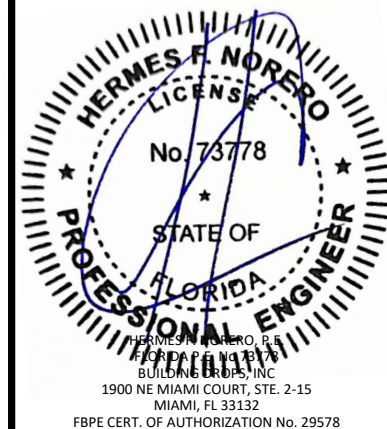
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OF 8

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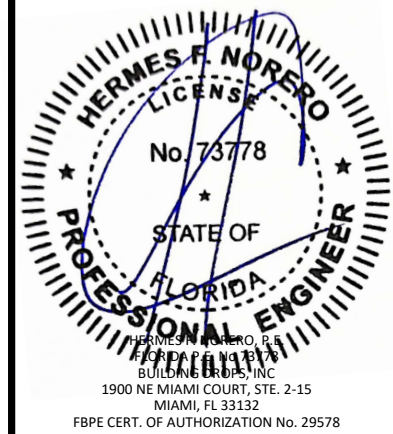
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VERTICAL SECTIONS
ROTO

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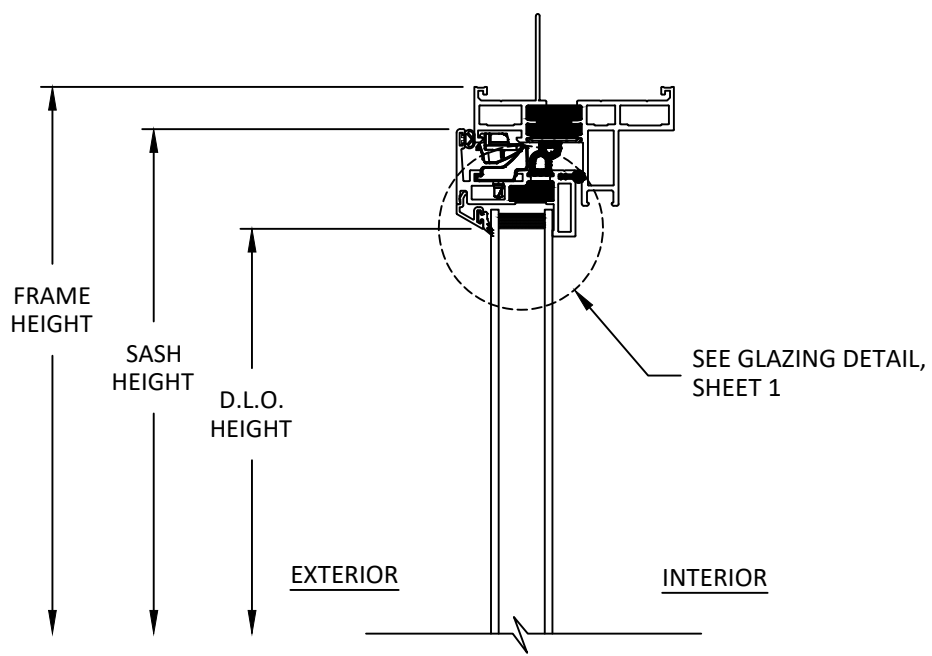
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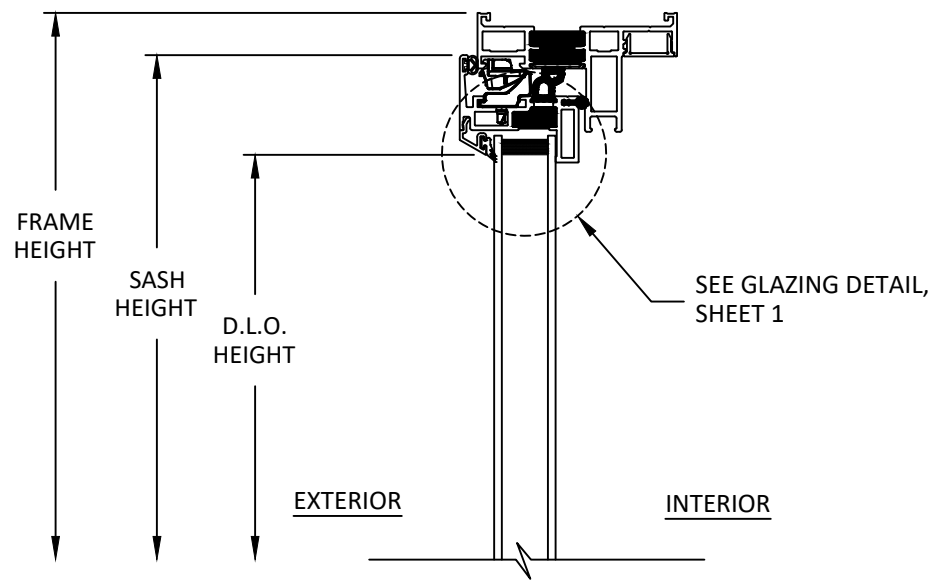
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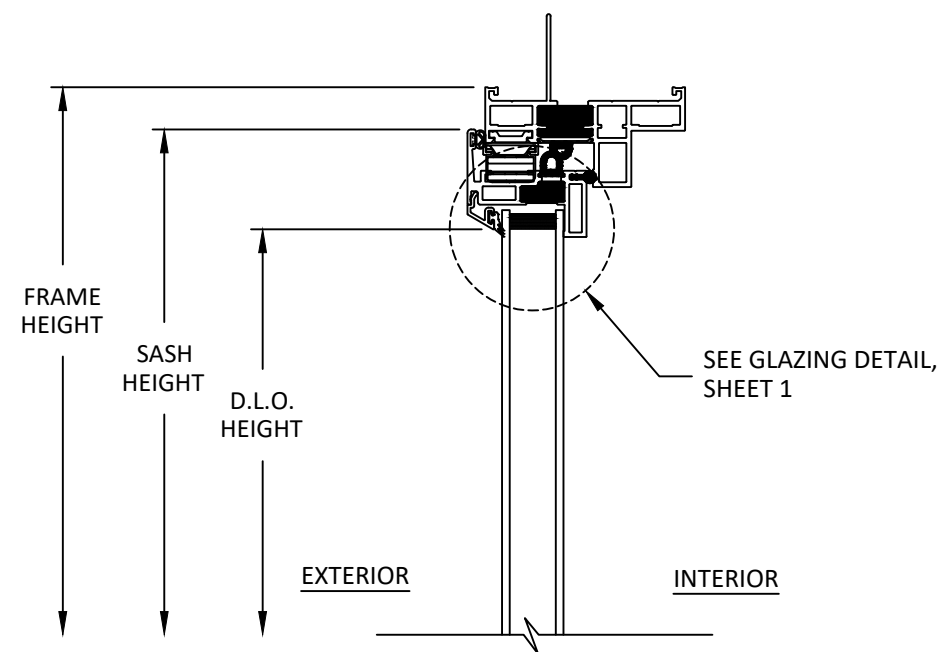


A
4 VERTICAL SECTION
NAIL FIN/CLIP
ROTO



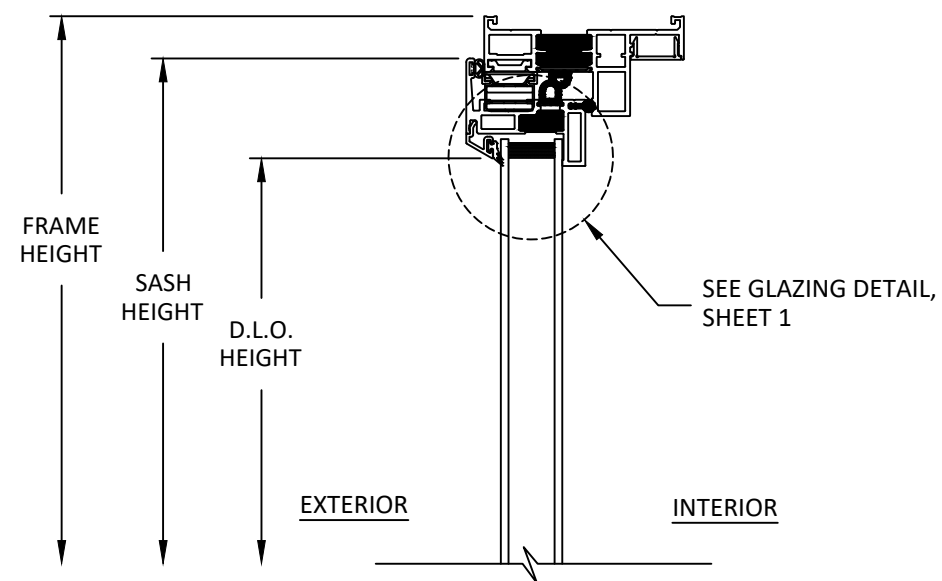
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4 VERTICAL SECTION
THROUGH FRAME
ROTO

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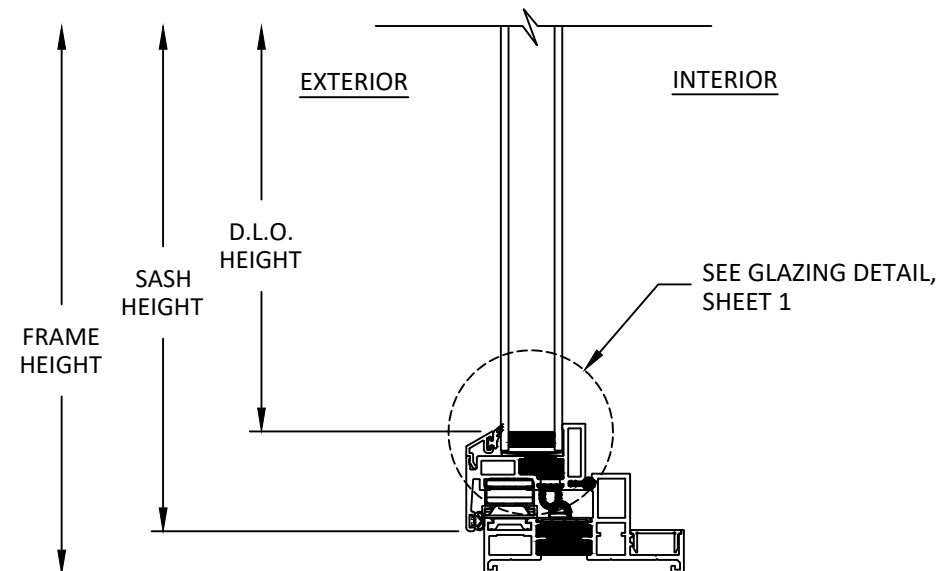
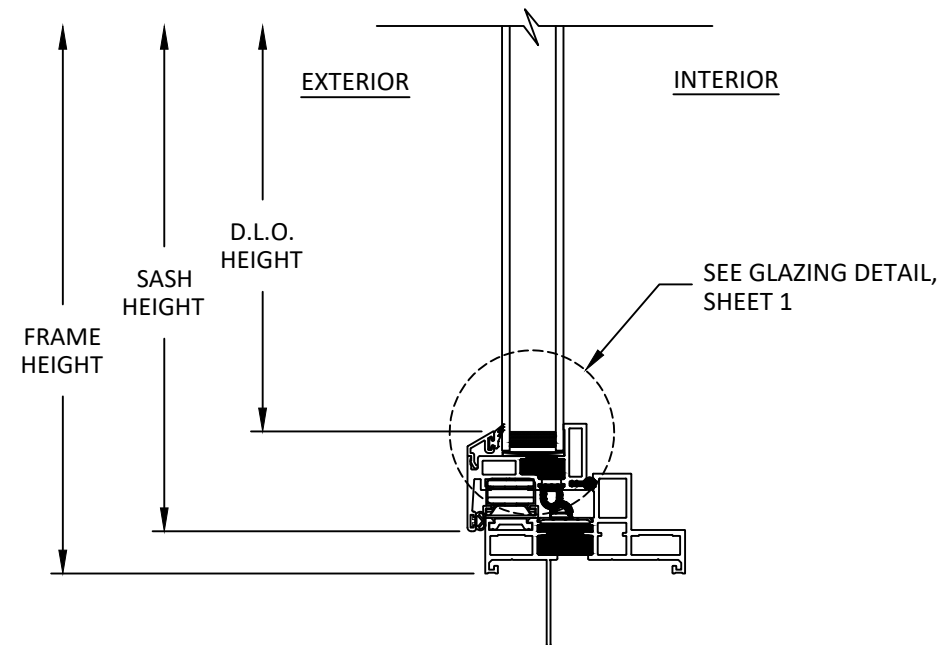
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VERTICAL SECTION
NAIL FIN/CLIP
PUSH OUT



D
5

VERTICAL SECTION
THROUGH FRAME
PUSH OUT



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VERTICAL SECTIONS
PUSH OUT

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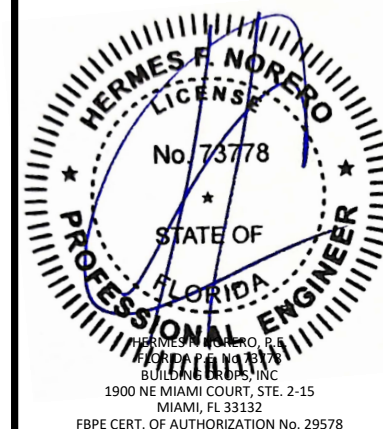
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SH	HFN

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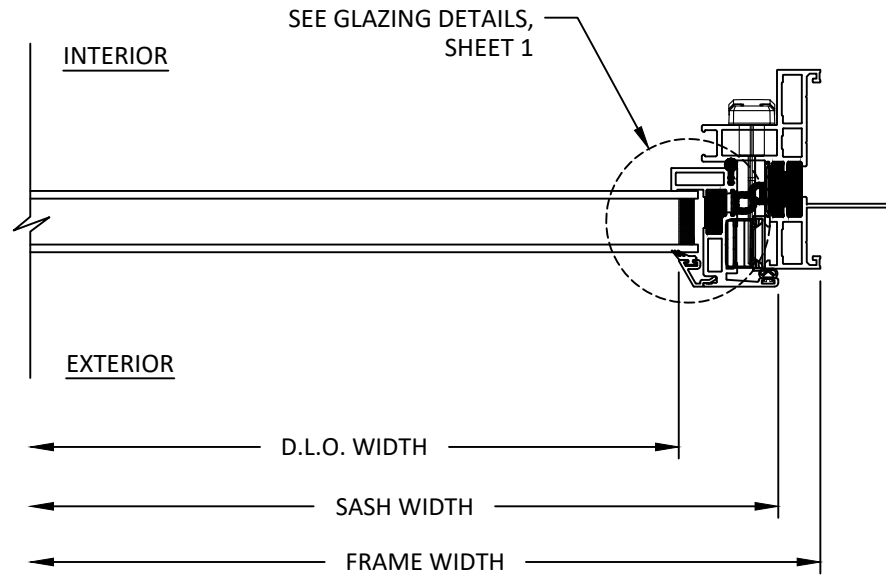
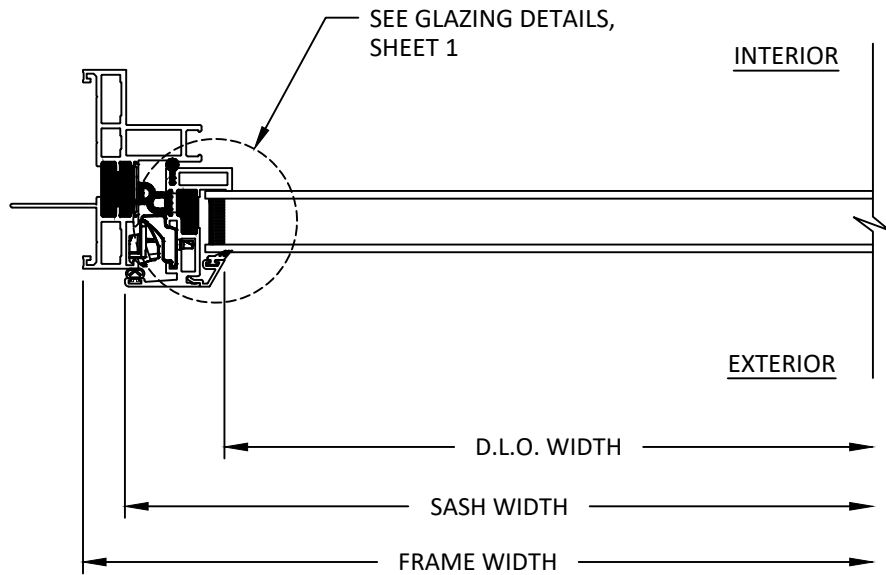
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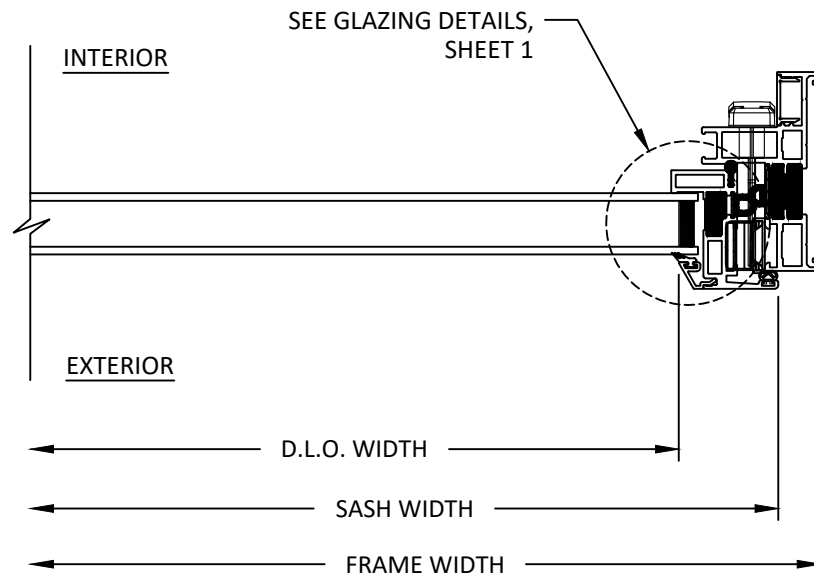
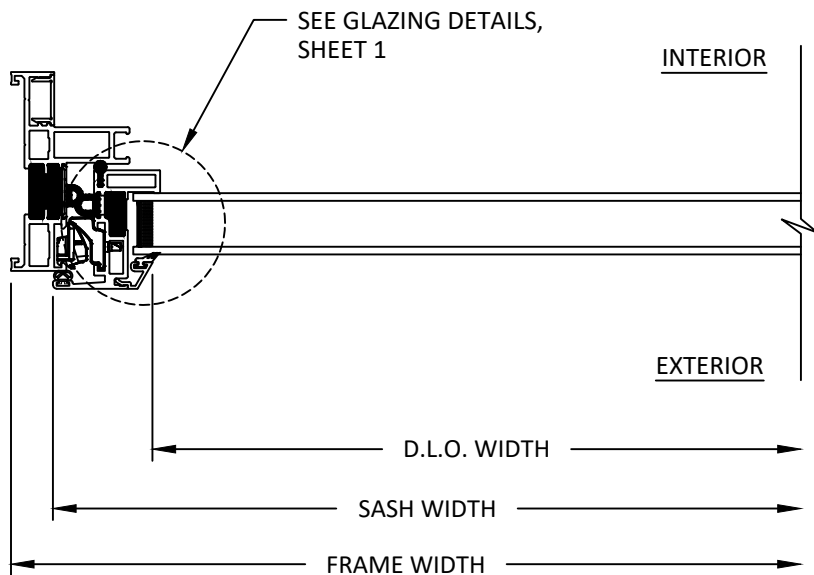
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E
6 HORIZONTAL SECTION
NAIL FIN/CLIP
ROTO



F
6 HORIZONTAL SECTION
THROUGH FRAME
ROTO



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HORIZONTAL SECTIONS
ROTO

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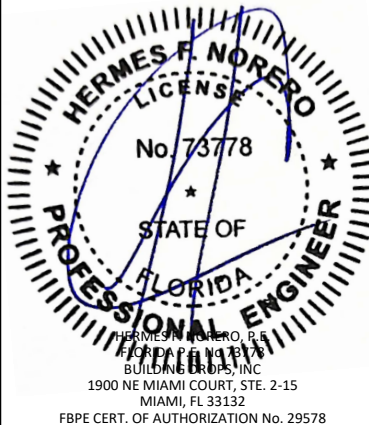
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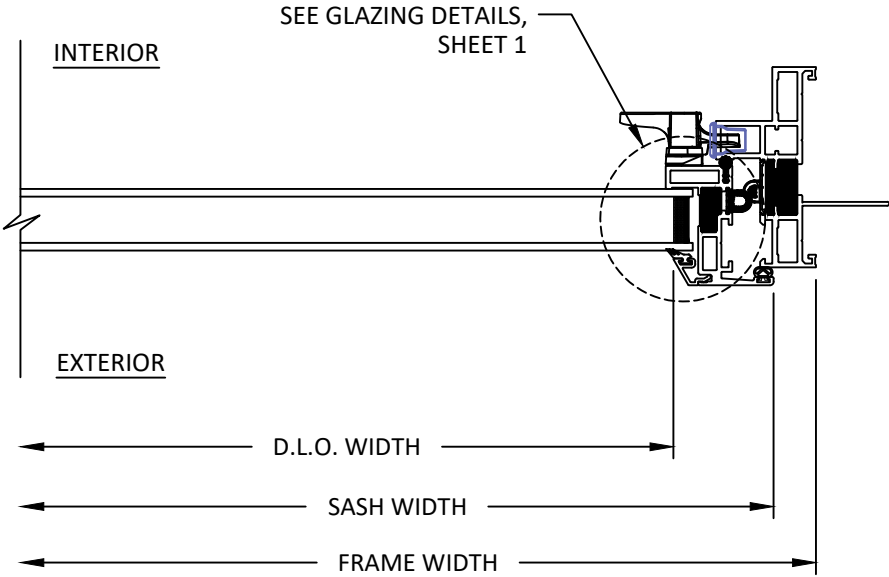
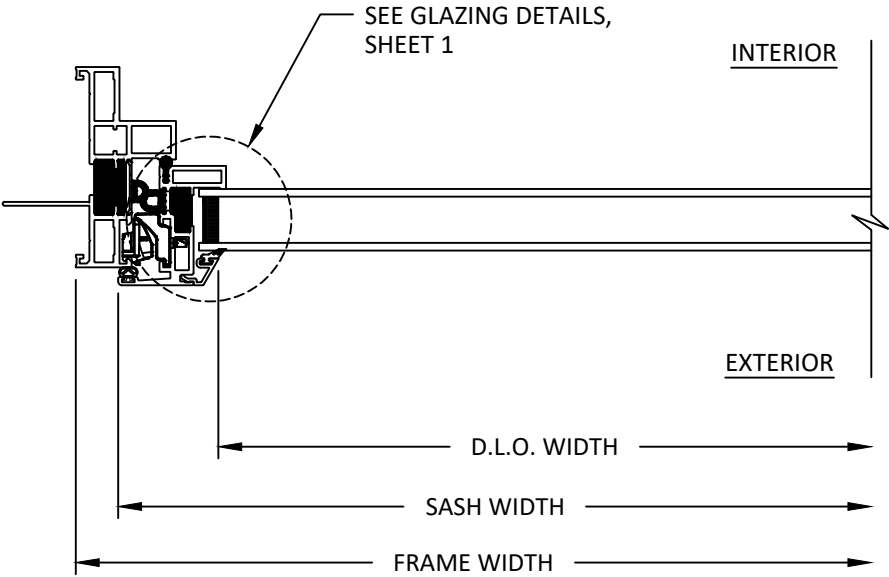
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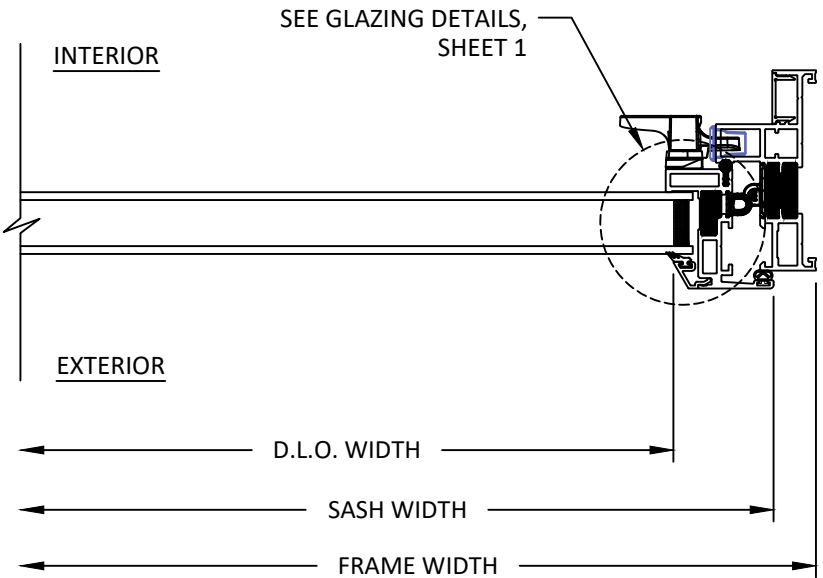
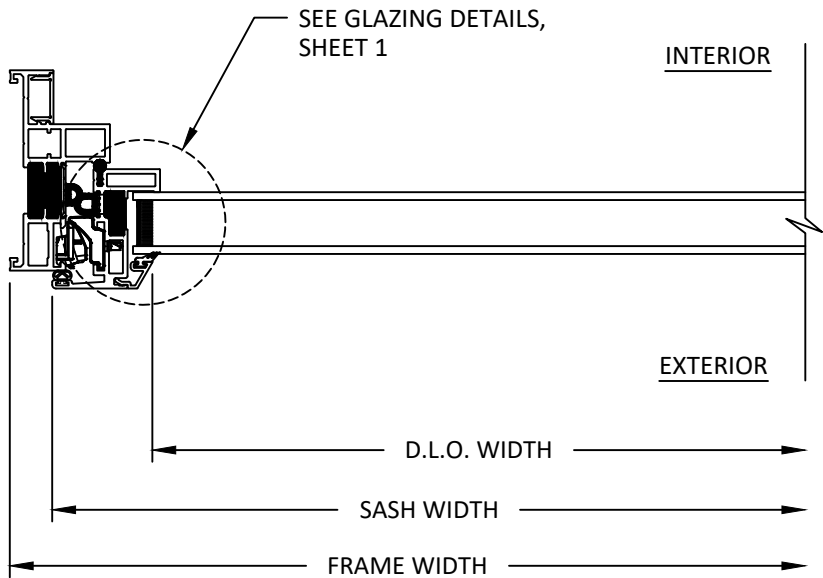
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G
7 HORIZONTAL SECTION
NAIL FIN/CLIP
PUSH OUT



H
7 HORIZONTAL SECTION
THROUGH FRAME
PUSH OUT



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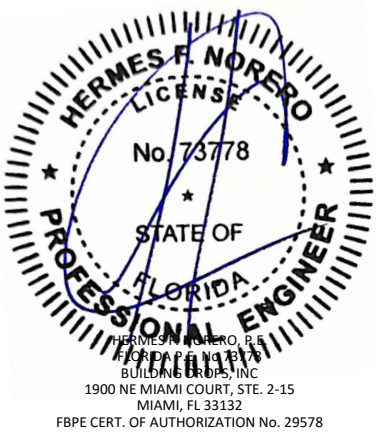
HORIZONTAL SECTIONS
PUSH OUT

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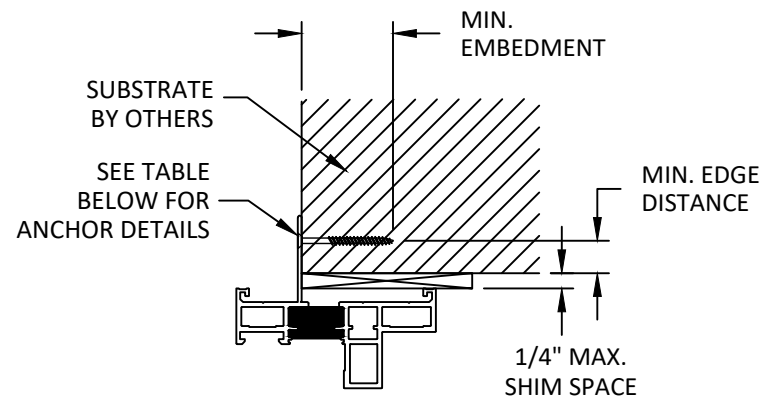
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EXTERIOR

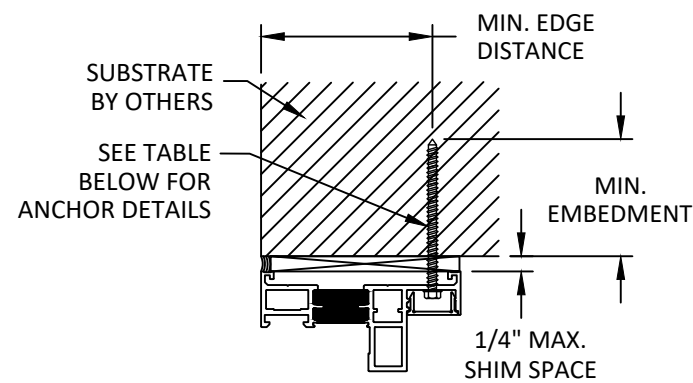
INTERIOR

A
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VERTICAL SECTION

HEAD
NAIL FIN

NOTE: JAMB & SILL SIMILAR



EXTERIOR

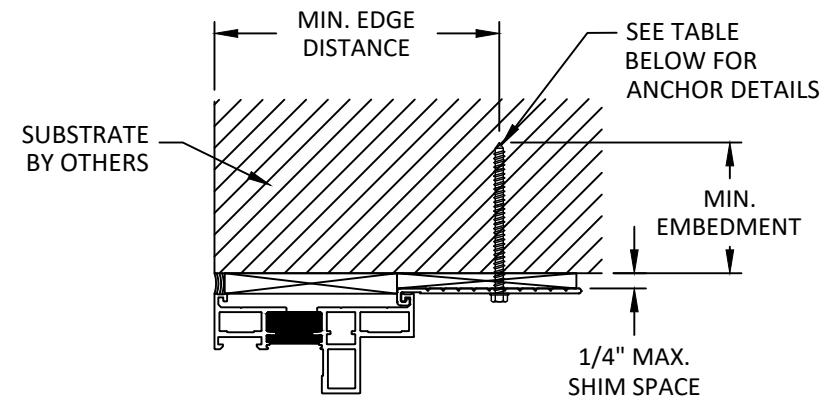
INTERIOR

B
8

VERTICAL SECTION

HEAD
THROUGH FRAME

NOTE: JAMB & SILL SIMILAR



EXTERIOR

INTERIOR

C
8

VERTICAL SECTION

HEAD
CLIP

NOTE: JAMB & SILL SIMILAR

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
- 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.
- 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 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.
- 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
NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#8 SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"
THROUGH FRAME/CLIP	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"
	CONCRETE: f'c=3000 PSI MIN.	3/16" ITW TAPCON	1.75"	2.25"
	MASONRY: CMU per ASTM C90 2000 PSI MIN.		1.00"	2.25"



QUAKER
COMMERCIAL

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ANCHOR DETAILS &
INSTALLATION NOTES

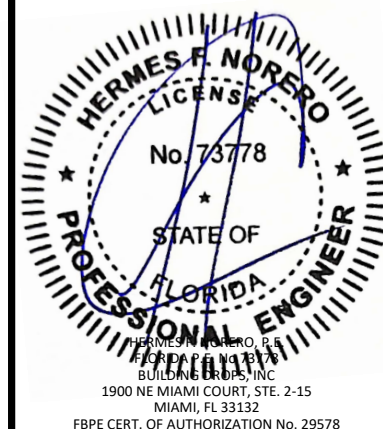
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