

FRONTLINE BUILDING PRODUCTS

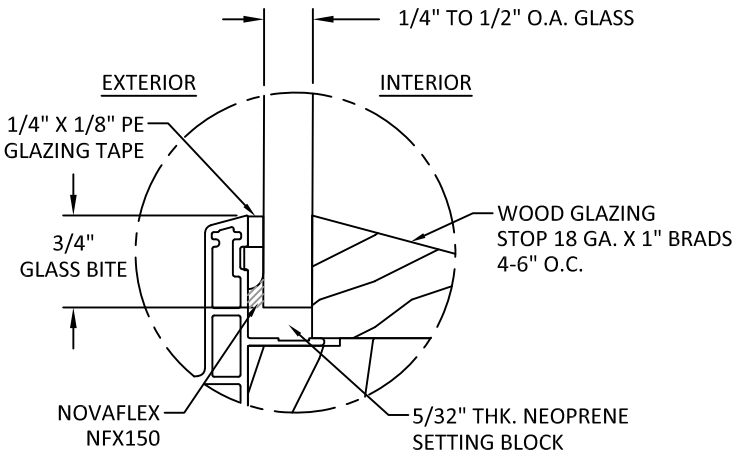
350 SERIES CLAD HP DIRECT SET (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

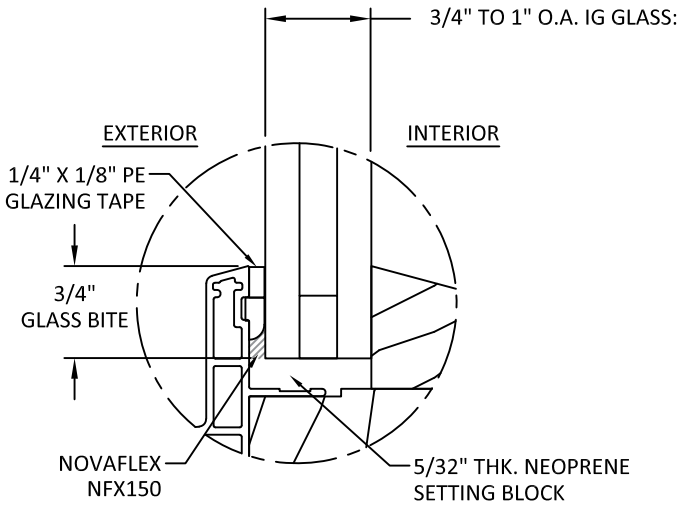
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM (6063-T5) CLAD EXTERIOR OVER WOOD CORE
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

DESIGN RATING			
OVERALL SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT		
SEE SHEET 2-3		SEE SHEET 2-3	NON-IMPACT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAIL
2	ELEVATION AND ANCHOR LAYOUTS
3	ELEVATIONS & DESIGN PRESSURE FOR MULLED UNITS
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	ANCHOR DETAILS AND INSTALLATION NOTES



GLAZING DETAIL 1



GLAZING DETAIL 2

GLAZING NOTES:

- GLASS TYPE SHALL COMPLY WITH ASTM E1300 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.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



FRONTLINE BUILDING PRODUCTS
610 JENSEN DRIVE
MEDFORD, WI 54451
PH: (715) 748-2288

TITLE:
350 SERIES CLAD HP DIRECT SET
(NON-HVHZ) (NON-IMPACT)

GENERAL NOTES AND
GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.

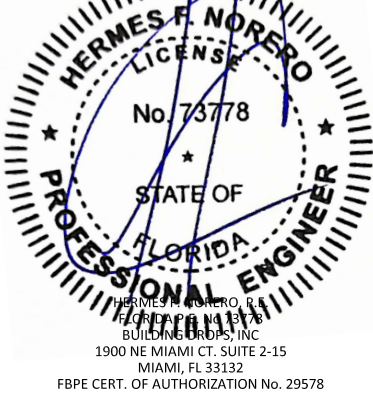
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REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.26 12:59:00' -0400'



FL #:	FL37879	
DATE:	03.14.2025	
DWG. BY:	FB	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	FBP001	
SHEET:	1	REV. A
OF 6		

TITLE: 350 SERIES CLAD HP DIRECT SET
(NON-HVHZ) (NON-IMPACT)

ELEVATION AND ANCHOR LAYOUTS

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SCALE: NTS

DWG. #: **FBP001**

SHEET:	REV.
2	A

OF 6

6.00" MAX.
FROM CORNERS

16.00" MAX.
O.C. SPACING

6.00" MAX.
FROM CORNERS

16.00" MAX.
O.C. SPACING

6.00" MAX.
FROM CORNERS

8.00" MAX.
O.C. SPACING

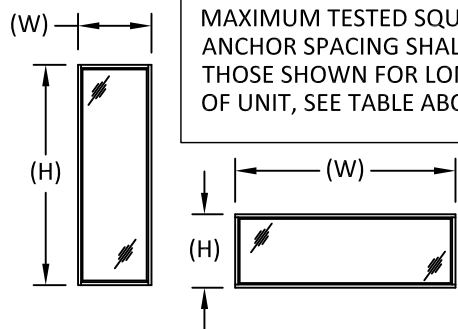
6.00" MAX.
FROM CORNERS

8.00" MAX.
FROM CORNERS

ANCHOR LAYOUT

FIN INSTALLATION

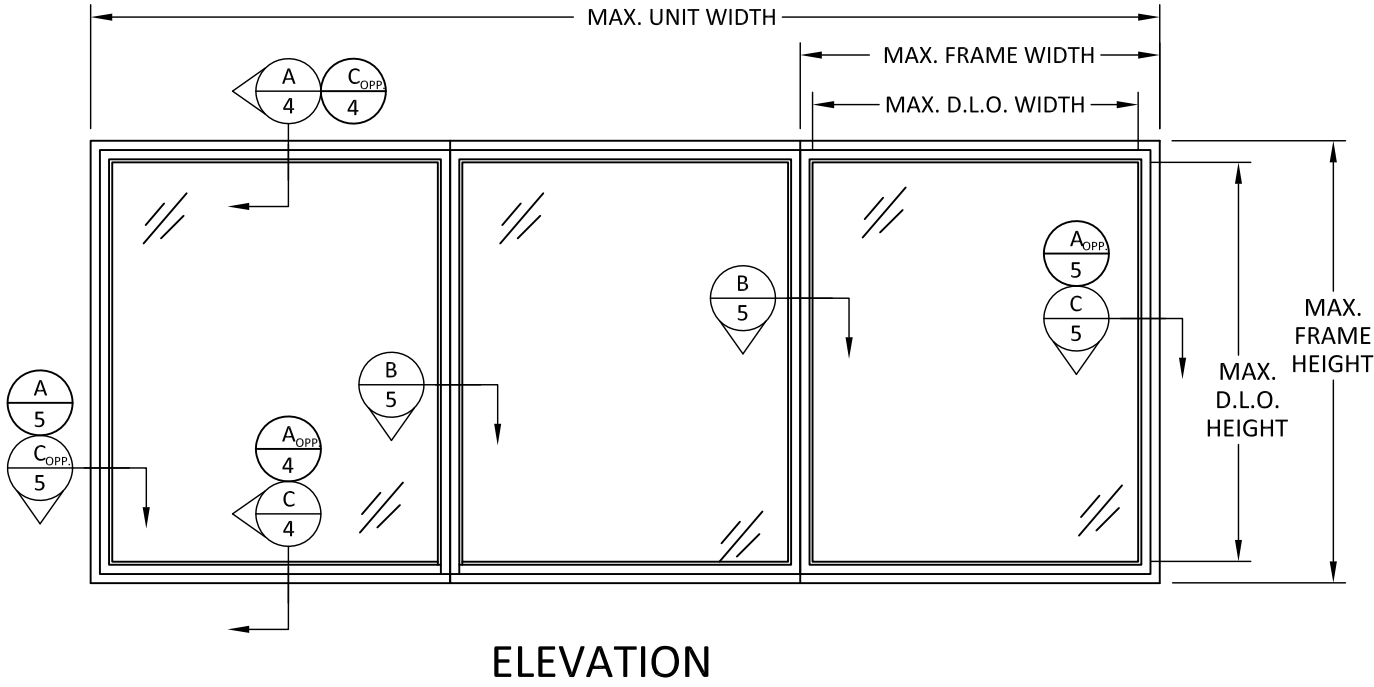
NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT, SEE TABLE ABOVE.



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350 SERIES CLAD HP DIRECT SET - DESIGN PRESSURE (PSF) TABLE MULLED UNITS											
UNIT SPAN (IN.) (L)	UNIT TRIBUTARY WIDTH (IN.) (W)										
		36	42	48	54	60	66	72	78	84	90
	48	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	54	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-
	60	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-
	66	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-
	72	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-
	78	60.0	56.3	51.2	47.6	-	-	-	-	-	-
	84	50.3	44.3	40.1	-	-	-	-	-	-	-
	90	40.5	35.6	32.0	-	-	-	-	-	-	-
	96	33.1	29.0	-	-	-	-	-	-	-	-

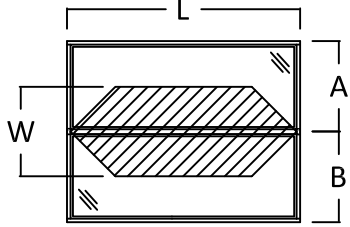
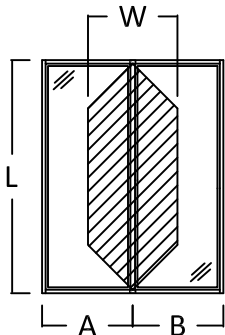
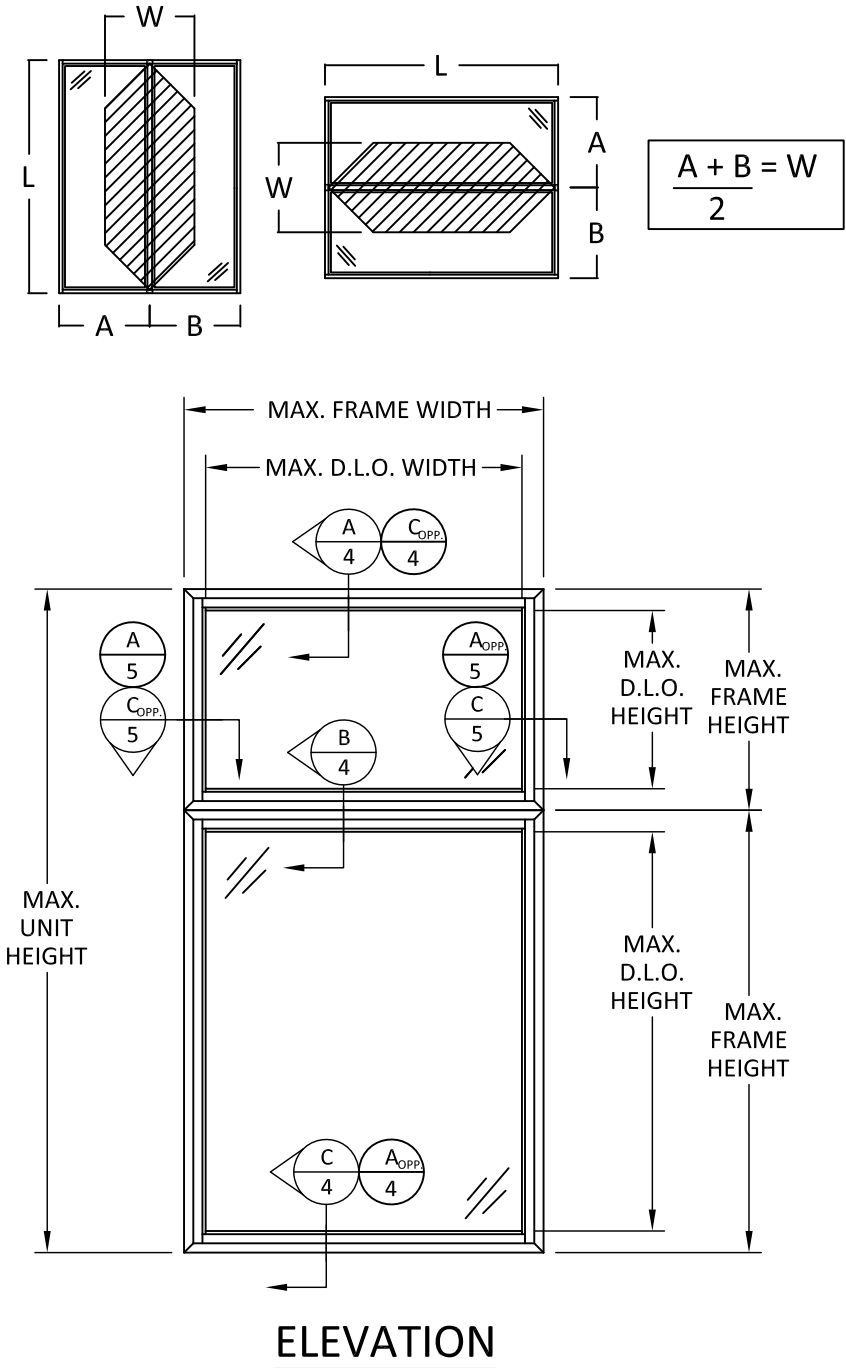
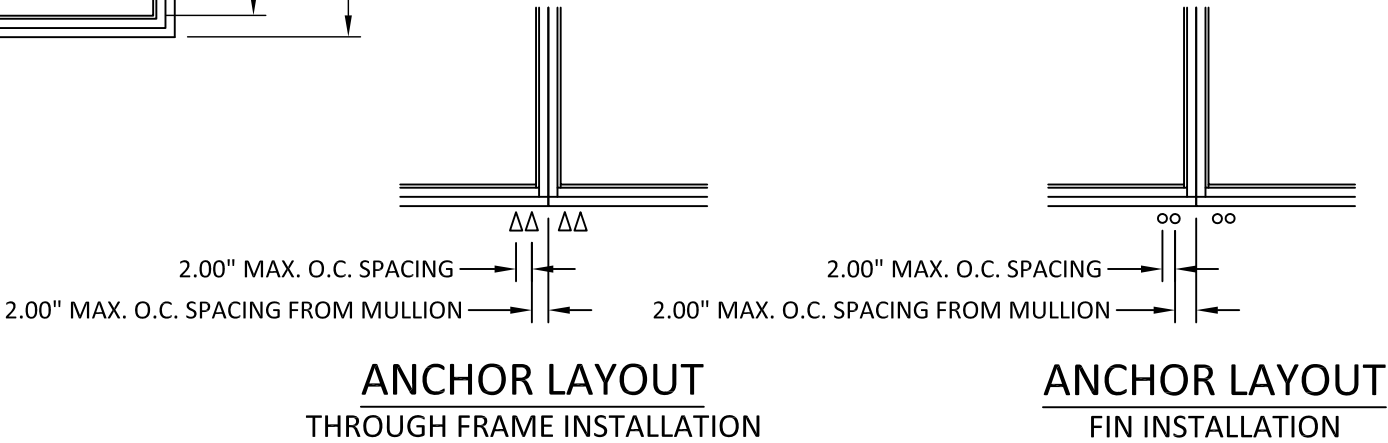
- NOTE:
- SEE DIAGRAM FOR DETAILS ON HOW TO CALCULATE TRIBUTARY WIDTH.
 - DESIGN PRESSURE IS LIMITED TO THE MINIMUM DESIGN PRESSURE BETWEEN TABLES SHOWN ON SHEET 2 AND 3.
 - WHEN UNITS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF THE UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



INSTALLATION LEGEND:

FRAME INSTALL ANCHOR
(SEE SHEET 6)

FIN INSTALL ANCHOR
(SEE SHEET 6)



$$\frac{A + B}{2} = W$$



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ELEVATIONS & DESIGN PRESSURE
FOR MULLED UNITS

PREPARED BY:

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REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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SHEET:	3
REV.	A



VERTICAL SECTIONS

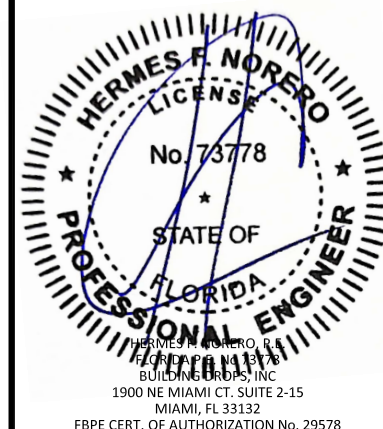
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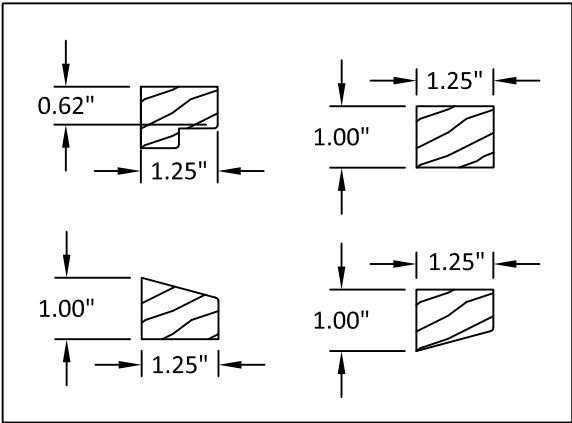
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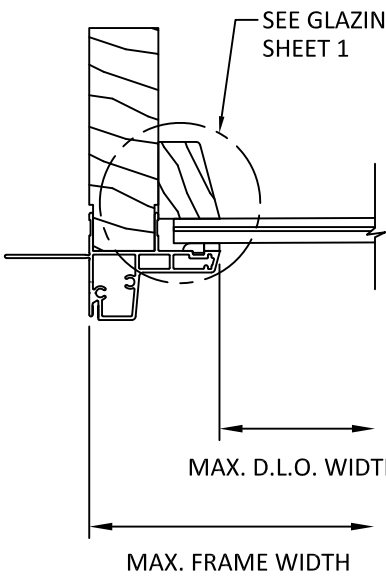
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SHEET: 4 REV. A

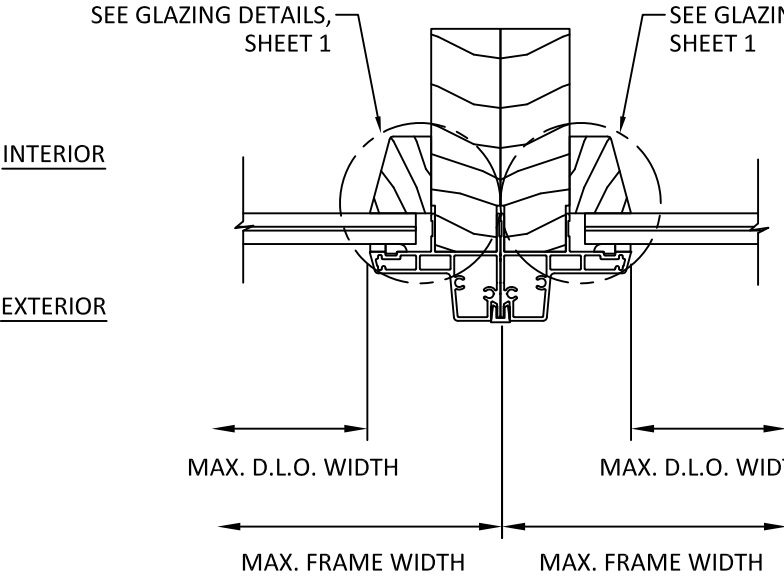
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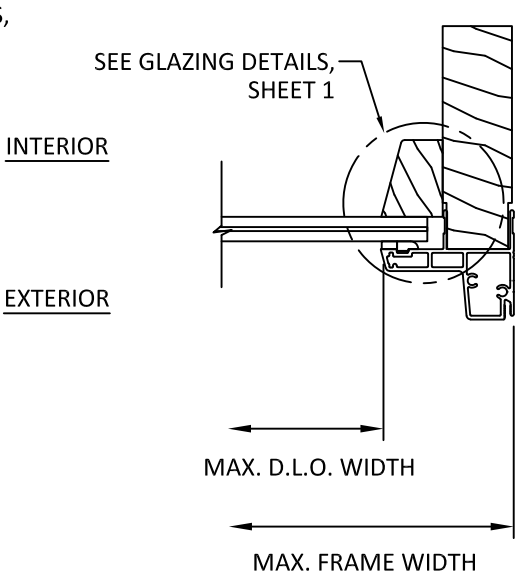
NOTE:
QUALIFIED GLASS STOPS SHOWN



A HORIZONTAL SECTION
5 TYP. JAMB FIN



B HORIZONTAL SECTION
5 TYP. MULLION



C HORIZONTAL SECTION
5 TYP. JAMB FLUSH



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HORIZONTAL SECTIONS

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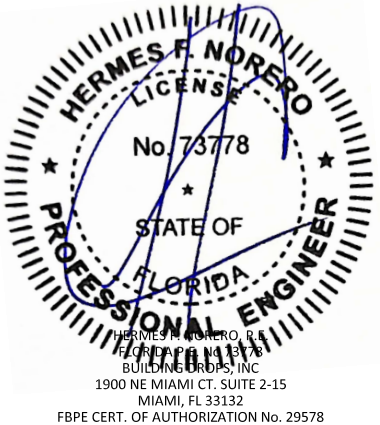
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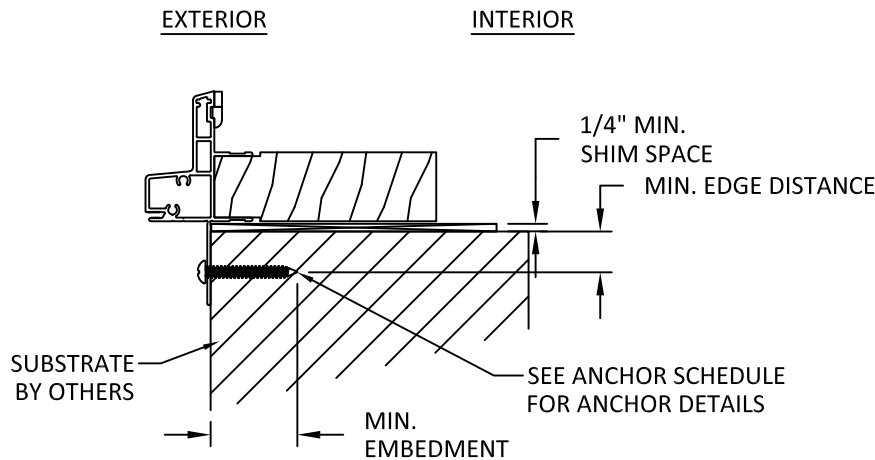
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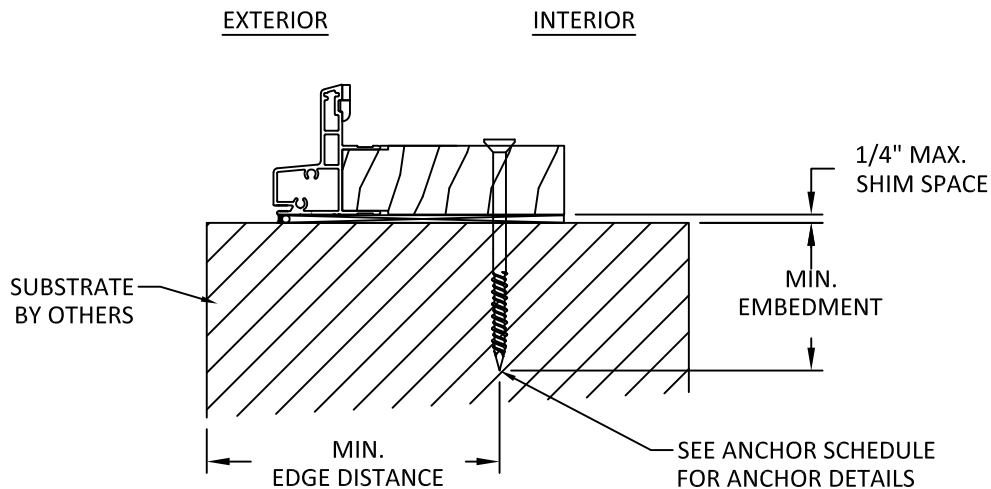
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A
5 **VERTICAL SECTION**
TYP. SILL INSTALLATION
THROUGH ALUMINUM FIN

NOTE: HEAD & JAMB SIMILAR



B
5 **VERTICAL SECTION**
TYP. SILL INSTALLATION
THROUGH FRAME

NOTE: HEAD & JAMB SIMILAR

ANCHOR SCHEDULE - 350 SERIES				
INST. METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
FIN	#10 WOOD SCREW	WOOD (S.G. = 0.55)	1.50"	0.75"
	#10 SELF-TAPPING SCREW"	MIN. 18 GA. STEEL (33KSI)/ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN. PENETRATION BEYOND METAL FACE	0.50"
THROUGH FRAME	#10 WOOD SCREW	WOOD (S.G. = 0.55)	1.50"	1.25"
	#10 SELF-TAPPING SCREW"	MIN. 18 GA. STEEL (33KSI)/ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN. PENETRATION BEYOND METAL FACE	0.50"
	3/16" ITW TAPCON	CONCRETE: f'c = 3000 PSI	1.50"	2.00"
	3/16" ITW TAPCON	MASONRY : CMU PER ASTM-C90, MIN. 2000 PSI	1.50"	2.50"

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 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). 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:
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 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.



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ANCHOR DETAILS AND
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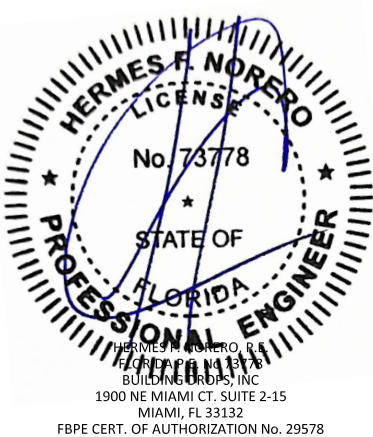
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