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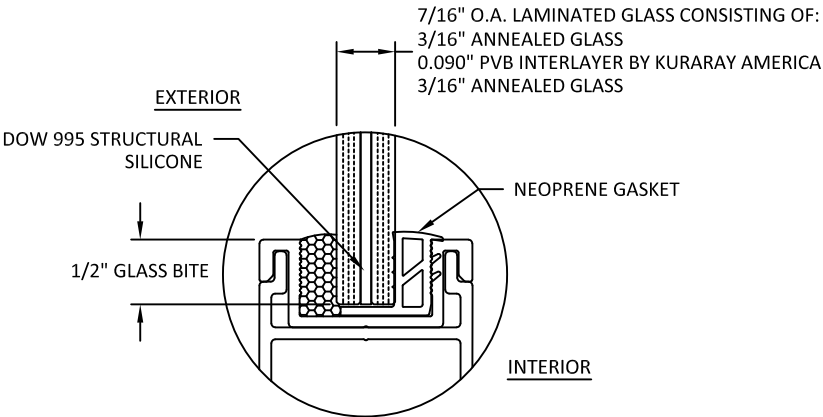
CONDADO WINDOW

ULTRA 400 SERIES SLIDING GLASS DOOR

(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 OR 2X 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
7. DOOR FRAME MATERIAL: ALUMINUM 6063-T6
8. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH FBC.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS SHEE SHEET 1 FOR GLAZING DETAIL.
10. QUALIFIED CONFIGURATIONS: XX, OX, XO, OXXO



GLAZING DETAIL 1

- GLAZING NOTES:
1. GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, 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.

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SHEET	SHEET DESCRIPTION
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2	ELEVATION, DP TABLE & ANCHOR LAYOUT
3	VERTICAL SECTION
4	HORIZONTAL SECTION
5	ANCHOR DETAILS, INSTALLATION NOTES & ANCHOR SCHEDULE

DESIGN PRESSURE RATING	
DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEET 2	LARGE & SMALL MISSILE IMPACT RATED



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
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TITLE: ULTRA 400 SERIES
SLIDING GLASS DOOR
(HVHZ)(IMPACT)
GENERAL NOTES & GLAZING DETAIL

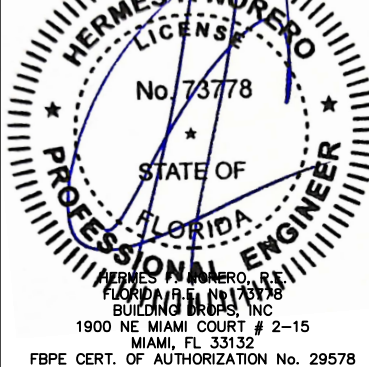
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FAX: (954)744-4738
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.05.02 18:14:39 -0400



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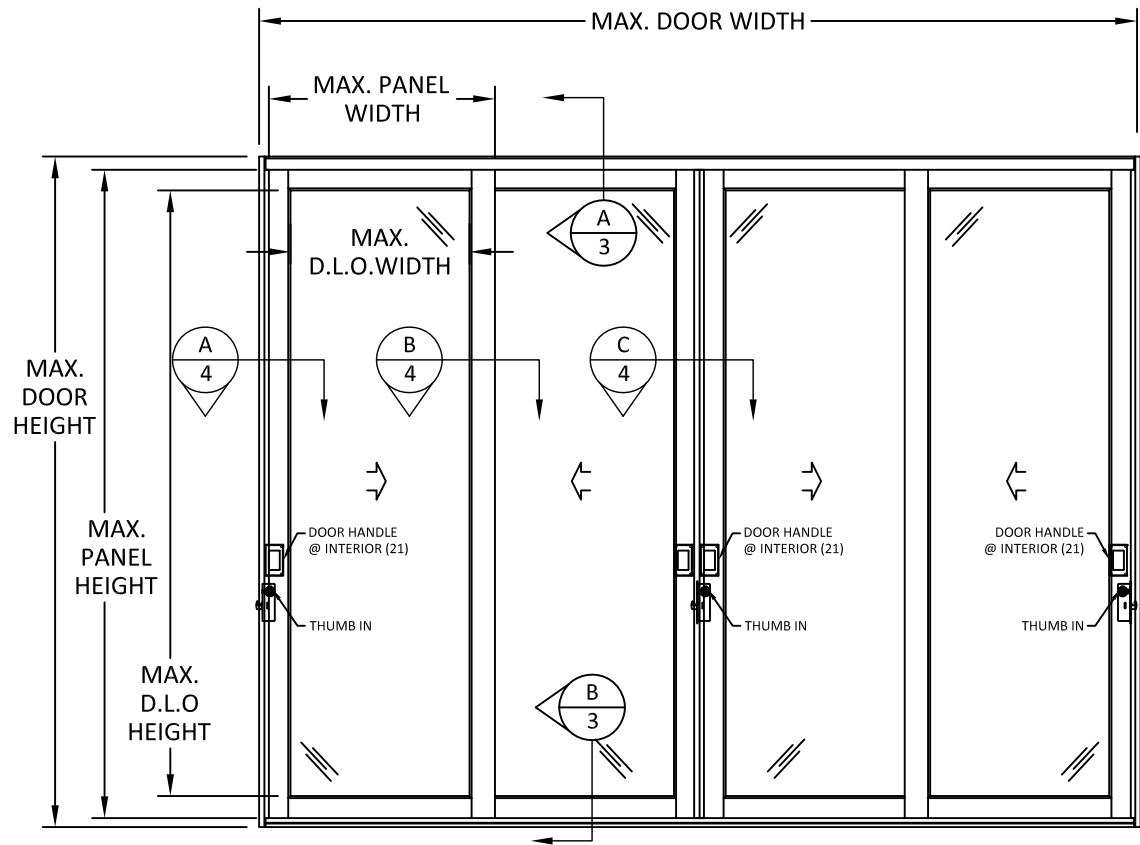
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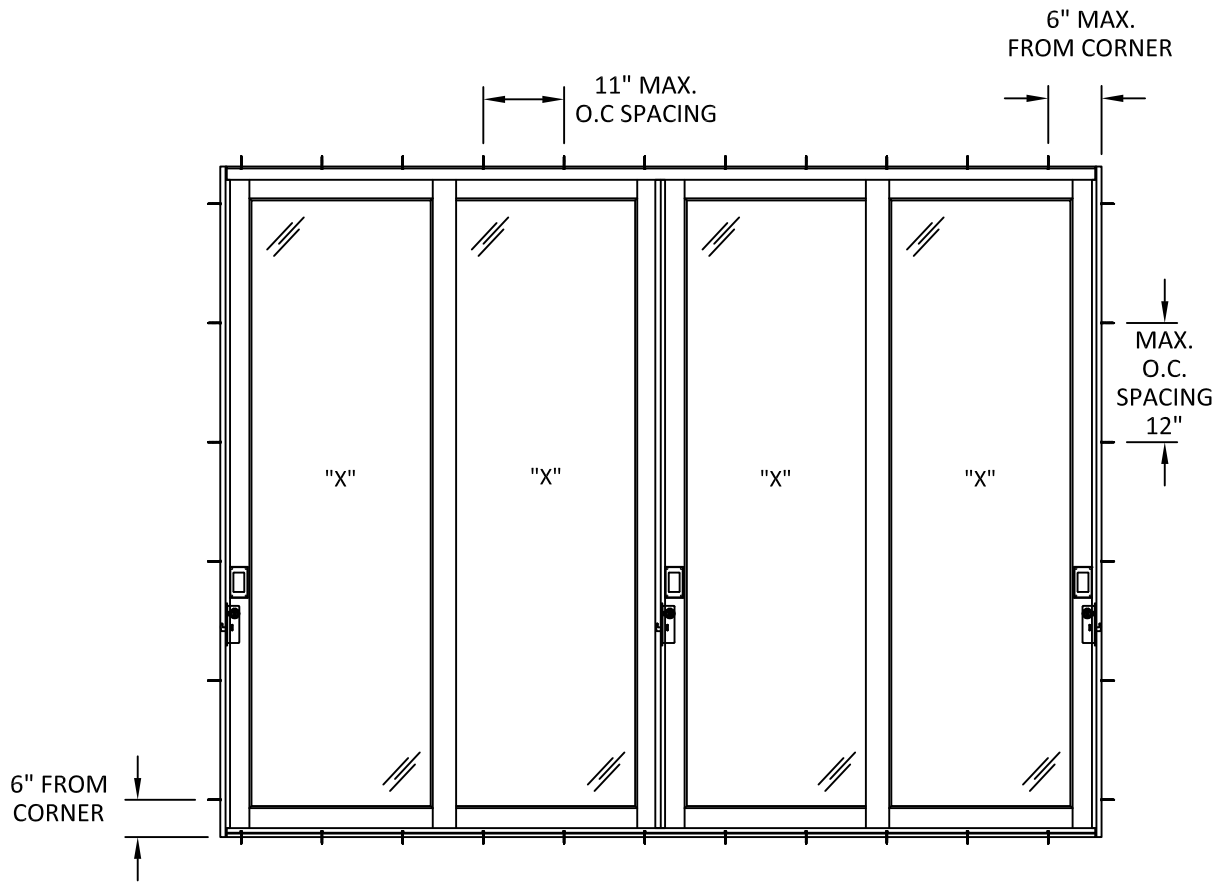
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ELEVATION
OUTSWING DOOR

- D.L.O WIDTH DIM = PANEL WIDTH - 7-9/16"
- D.L.O HEIGHT DIM = PANEL HEIGHT - 6-7/8"

DESIGN PRESSURE TABLE (+/- PSF)		
DOOR HEIGHT (IN.)	PANEL WIDTH (IN.)	DESIGN PRESSURE
108	36	80.0
96	40	72.0
88	44	65.5
80" AND BELOW	48	60.0



ANCHOR LAYOUT
OUTSWING DOOR



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(HVHZ)(IMPACT)
ELEVATIONS, DP TABLE
& ANCHOR LAYOUT

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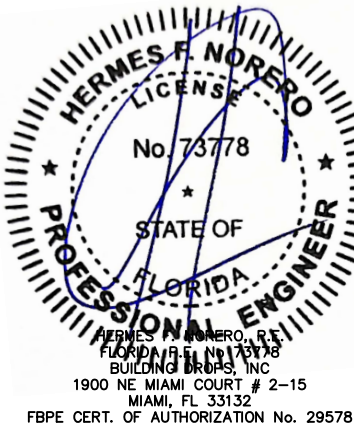
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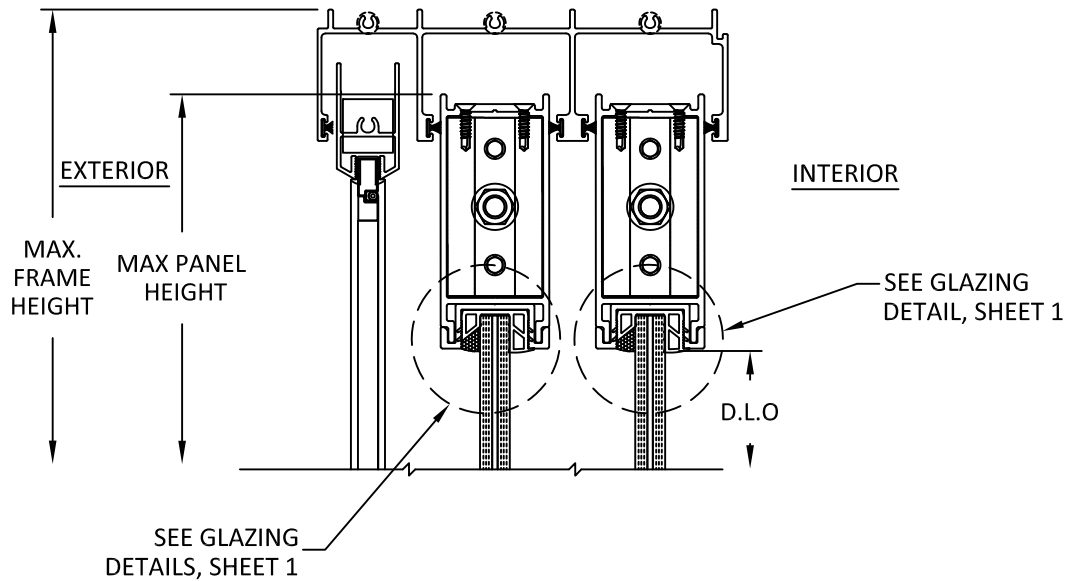
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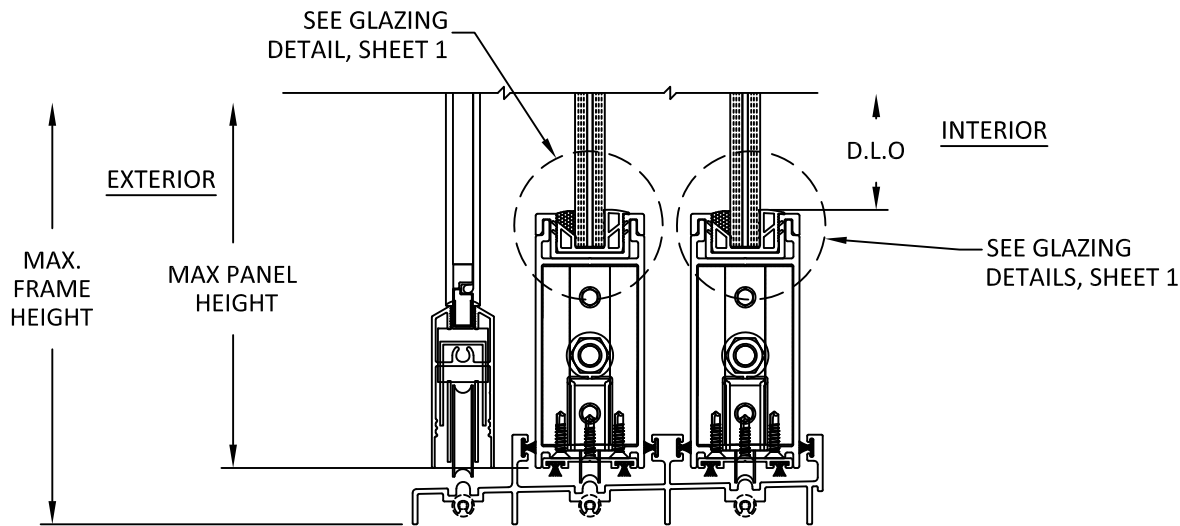
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A
3 **HORIZONTAL SECTION**
HEAD DETAIL



B
3 **HORIZONTAL SECTION**
SILL DETAIL



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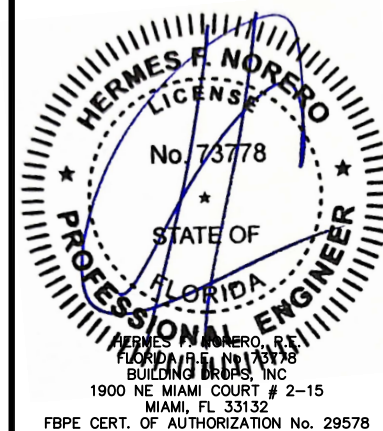
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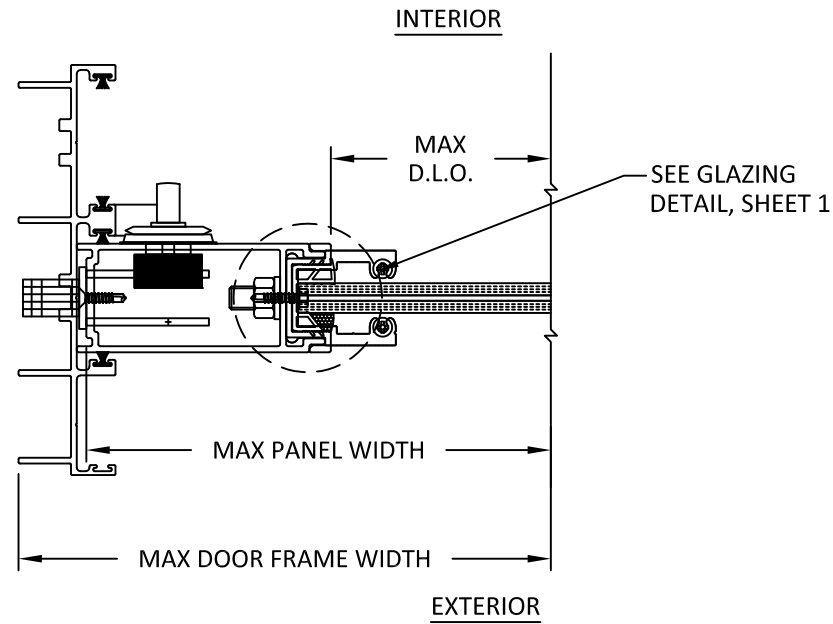
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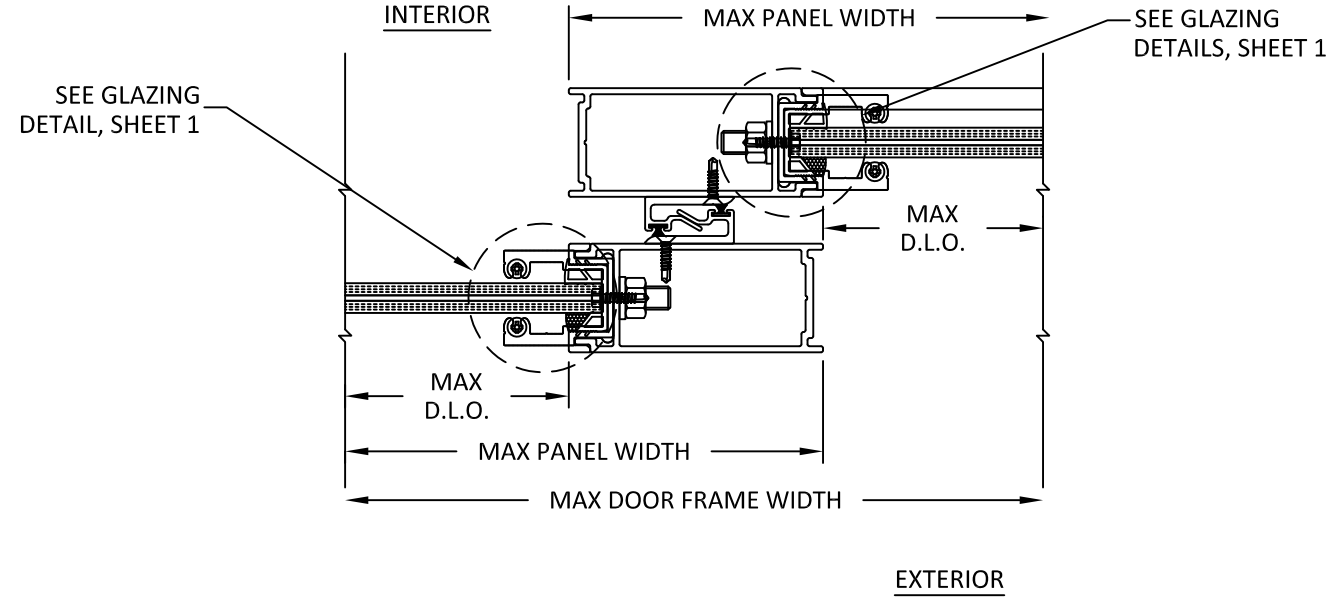
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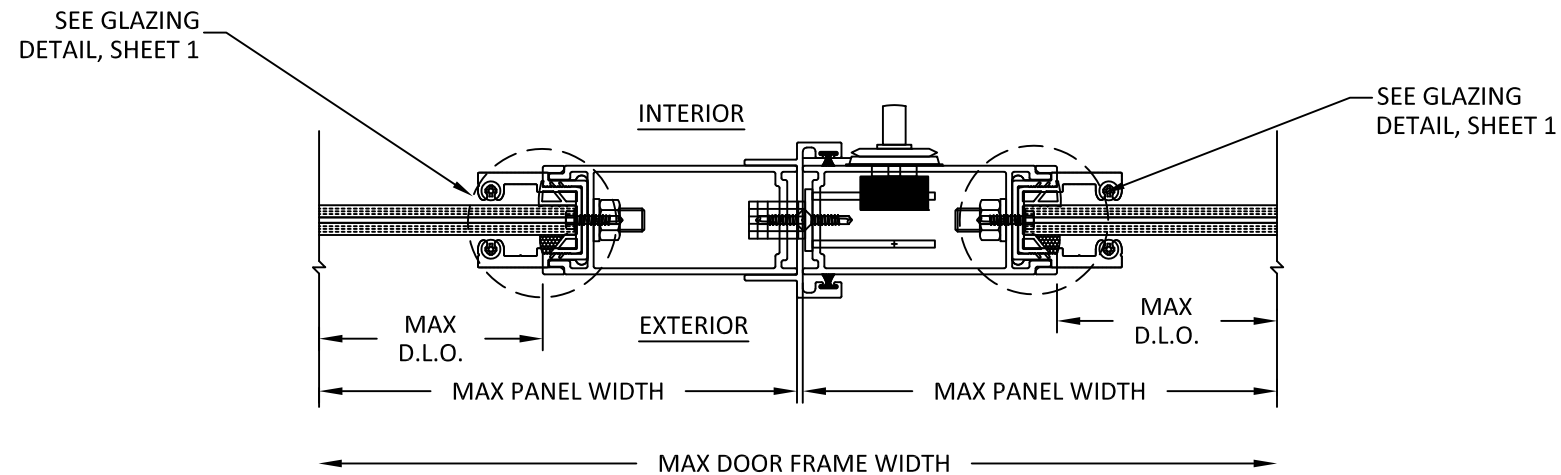
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A
4 **HORIZONTAL SECTION**
JAMB DETAIL



B
4 **HORIZONTAL SECTION**
INTERLOCK DETAIL



C
4 **HORIZONTAL SECTION**
MEETING STILES DETAIL



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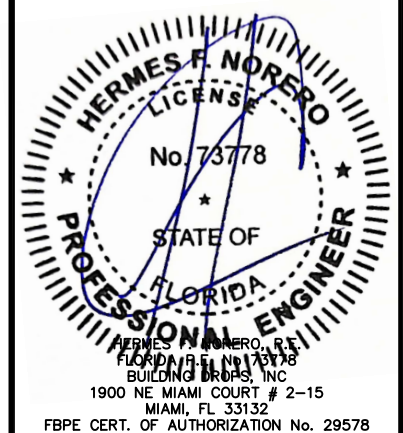
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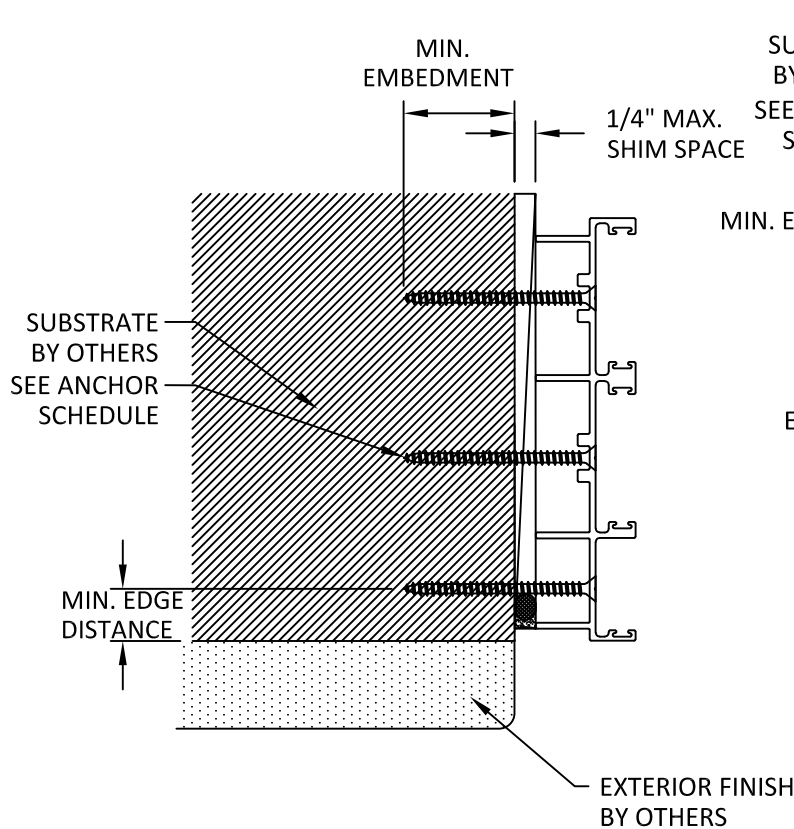
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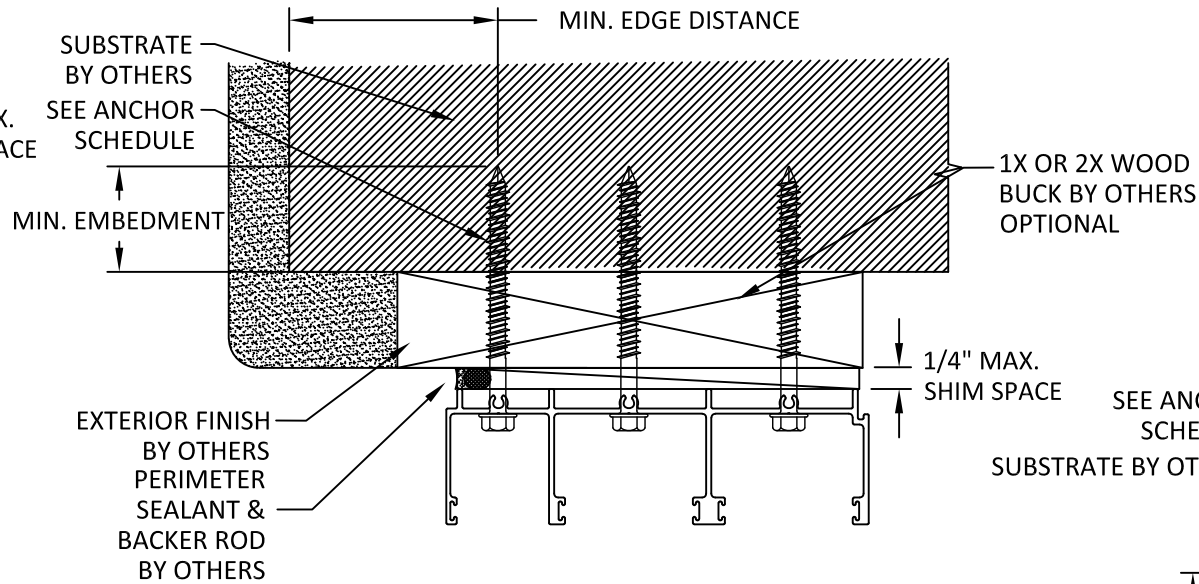


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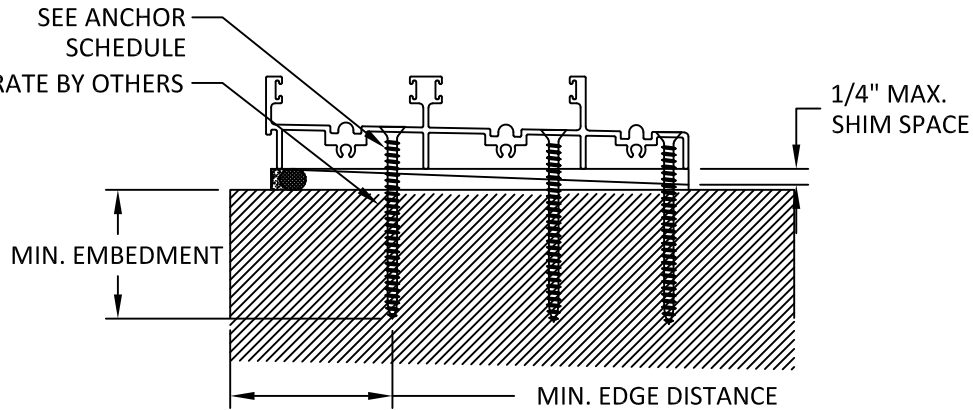
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A
5 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION



B
5 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION



C
5 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAX. 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 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.

METHOD	ANCHOR	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	#14 WOOD SCREW	2X WOOD MIN. S.G.=0.55	1.50"	1.00"
	1/4" GR. 5 SELF-TAPPING/DRILLING SCREW	METAL: 18 GAUGE STEEL, MIN. Fy = 33 KSI	3 THREADS MIN PENETRATION BEYOND METAL	1.00"
	5/16" ELCO ULTRACON (CARBON OR STAINLESS STEEL)	3,500 PSI CONCRETE MIN.	1.25"	3.125"
		GROUT FILLED CMU PER ASTM C-90 W/ MIN. F'C=2000 PSI	1.75"	2.50"



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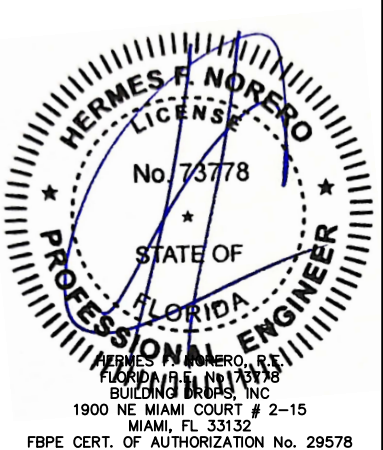
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