

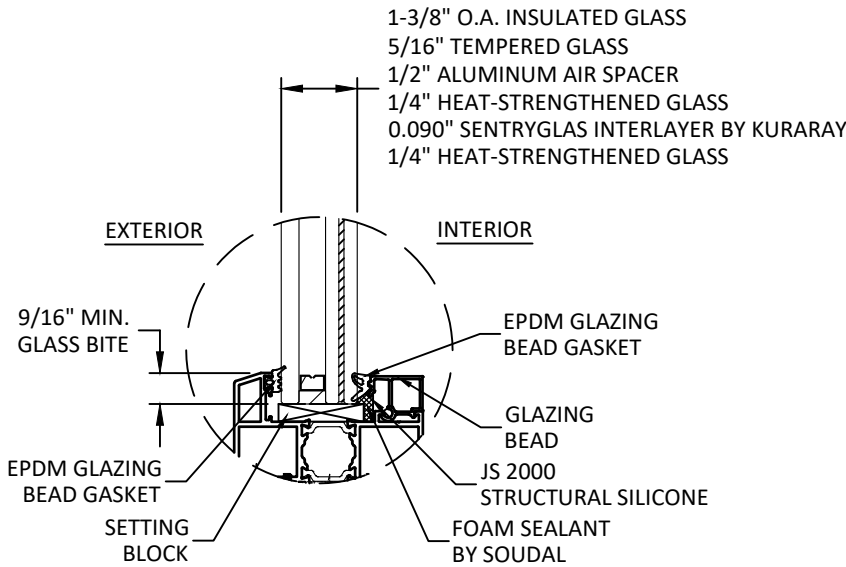
VBM SOLUTIONS

VBM-FD95 FOLDING DOOR

(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE 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. 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.
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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR FRAME MATERIAL: 6060-T66 ALUMINUM
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.



GLAZING DETAIL

- GLAZING NOTES:
- GLASS TYPE & THICKNESS 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.
 - 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 IN SHEET 2.

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1	GENERAL NOTES AND GLAZING DETAIL
2	TYPICAL ELEVATION & DESIGN PRESSURE TABLE
3	ANCHOR LAYOUTS
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	INSTALLATION DETAILS AND NOTES

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



No. 1 WUYANG ROAD
YEXIE TOWN, SONGJIANG DISTRICT
SHANGHAI, CHINA
PH: 1(201) 658-3246

TITLE:
VBM-FD95
FOLDING DOOR
(HVHZ) (IMPACT)

GENERAL NOTES & GLAZING DETAIL

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.07.23 14:54:36 -0400

HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL48338**

DATE: **06.12.2026**

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HJ

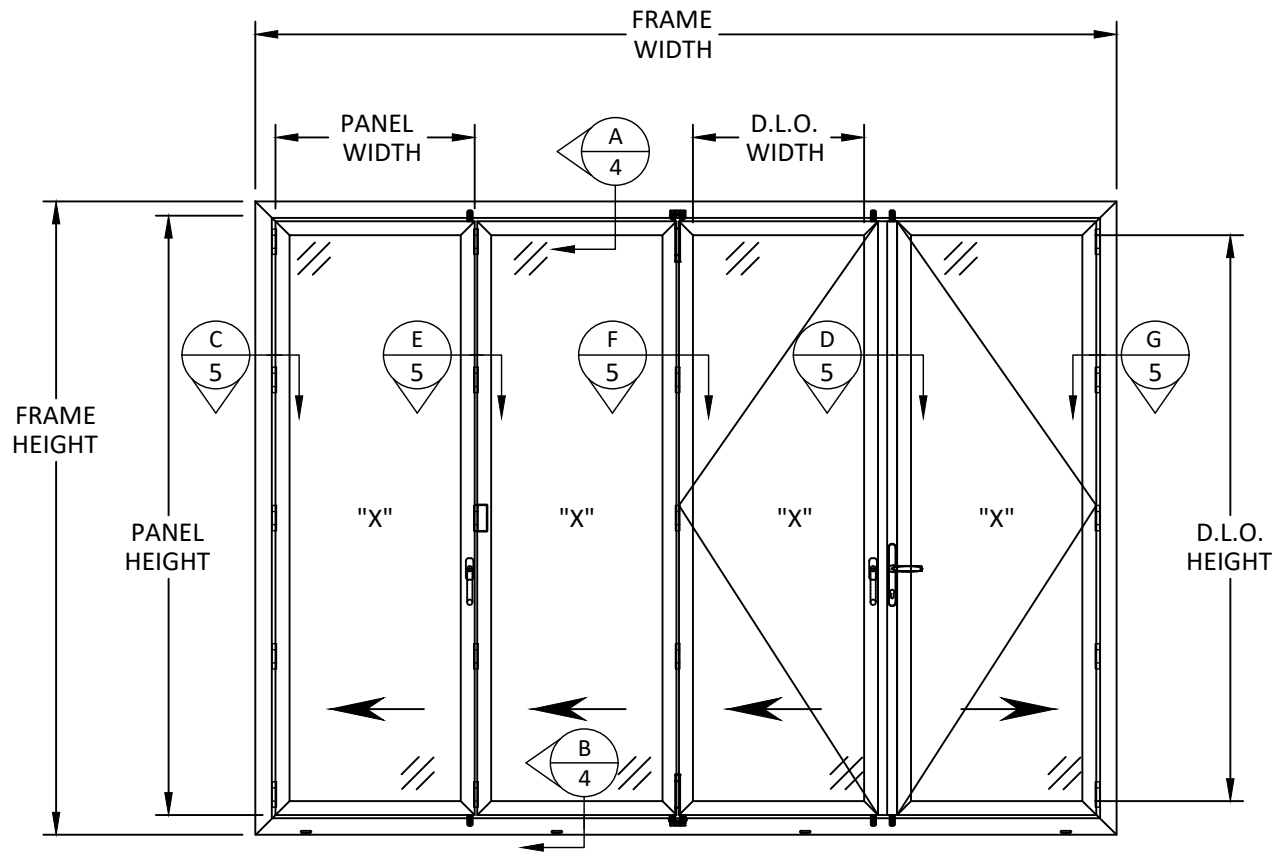
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HFN

SCALE: **NTS**

DWG. #: **VBM001**

SHEET:
1

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TYPICAL ELEVATION
FD95 FOLDING DOOR

FRAME WIDTH = PANEL WIDTH X PANEL QUANTITY + 8.375
D.L.O. WIDTH = PANEL WIDTH - 4-3/4"

PANEL HEIGHT = FRAME HEIGHT - 5-1/8"
D.L.O. HEIGHT = FRAME HEIGHT - 10-1/2"

FD95 FOLDING DOOR CONFIGURATION TABLE											
PANEL QUANTITY	QUALIFIED CONFIGURATIONS										
2	2L	2R	-	-	-	-	-	-	-	-	-
3	3L	2L1R	1L2R	3R	-	-	-	-	-	-	-
4	4L	3L1R	2L2R	1L3R	4R	-	-	-	-	-	-
5	5L	4L1R	3L2R	2L3R	1L4R	5R	-	-	-	-	-
6	6L	5L1R	4L2R	3L3R	2L4R	1L5R	6R	-	-	-	-
7	7L	6L1R	5L2R	4L3R	3L4R	2L5R	1L6R	7R	-	-	-
8	8L	7L1R	6L2R	5L3R	4L4R	3L5R	2L6R	1L7R	8R	-	-
9	9L	8L1R	7L2R	6L3R	5L4R	4L5R	3L6R	2L7R	1L8R	9R	-
10	10L	9L1R	8L2R	7L3R	6L4R	5L5R	4L6R	3L7R	2L8R	1L9R	10R

NOTE:
*"2L" REPRESENT 2 PANELS FOLDING TO THE LEFT. "2L2R" REPRESENTS A 4-PANEL DOOR WITH 2 PANELS FOLDING TO THE LEFT AND 2 PANELS FOLDING TO THE RIGHT.

DESIGN PRESSURE TABLE - FOLDING DOOR						
FRAME HEIGHT (IN.)	NOMINAL PANEL WIDTH (IN.)					
	24	27	30	31.375	33	36
80	60.00	60.00	60.00	60.00	49.03	36.42
84	60.00	60.00	60.00	60.00	49.03	36.42
87	60.00	60.00	60.00	60.00	49.03	-
90	60.00	60.00	60.00	60.00	49.03	-
93	60.00	60.00	60.00	60.00	49.03	-
96	60.00	60.00	60.00	60.00	-	-
98.4375	60.00	60.00	60.00	60.00	-	-



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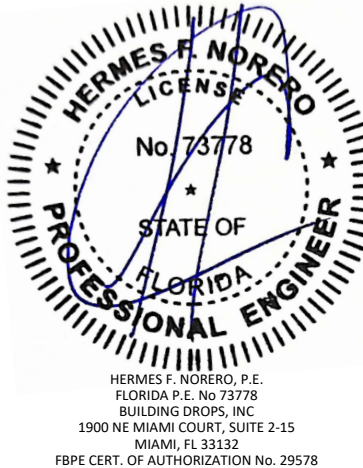
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TYPICAL ELEVATION
& DESIGN PRESSURE TABLE

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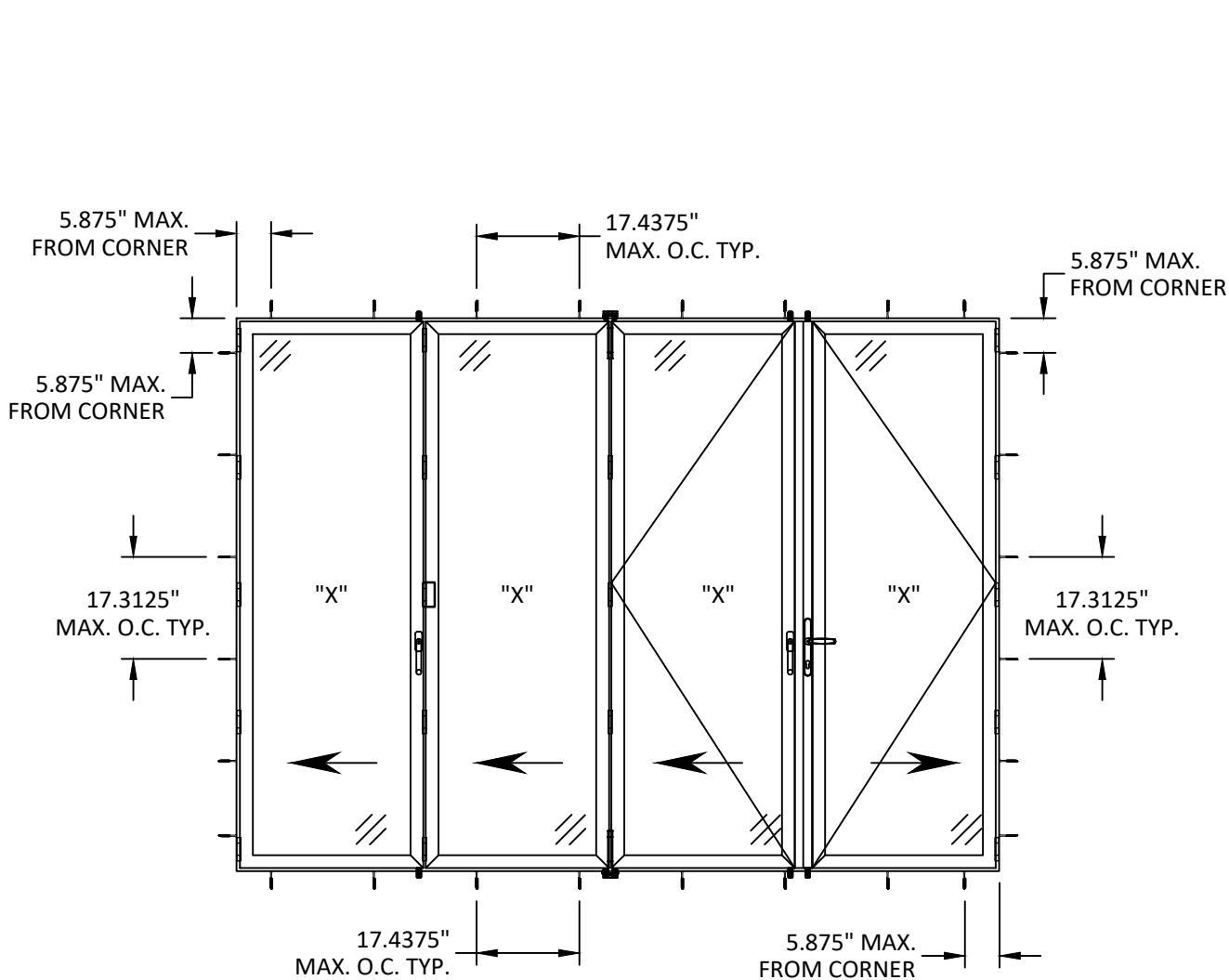
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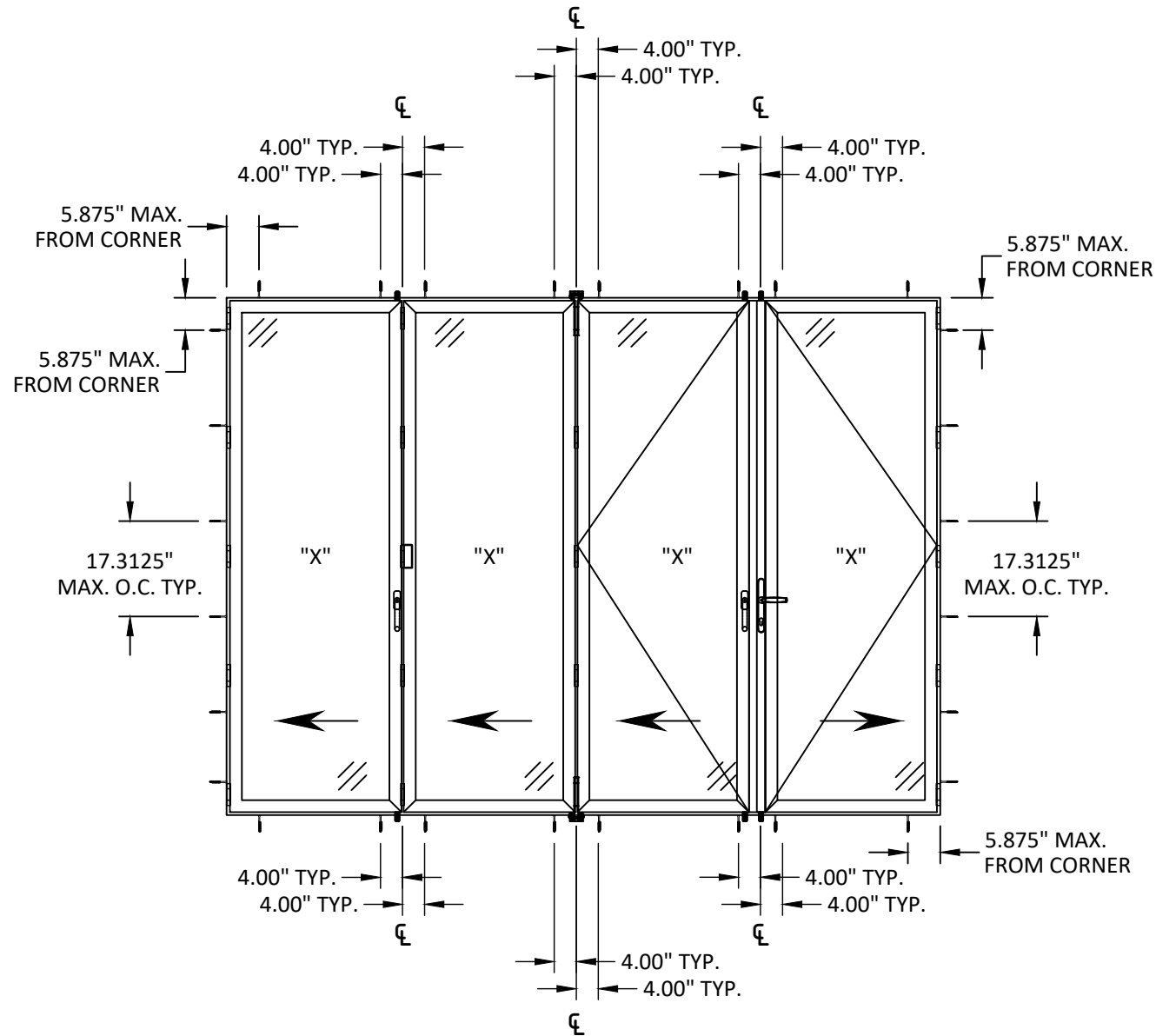
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ANCHOR LAYOUT
FD95 FOLDING DOOR
THROUGH FRAME INSTALLATION
(UNIFORM)

NOTE: (2) TWO ANCHORS REQUIRED
PER ANCHOR LOCATION



ANCHOR LAYOUT
FD95 FOLDING DOOR
THROUGH FRAME INSTALLATION
(CLUSTER)

NOTE: (2) TWO ANCHORS REQUIRED
PER ANCHOR LOCATION.



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FOLDING DOOR
(HVHZ) (IMPACT)

ANCHOR LAYOUTS

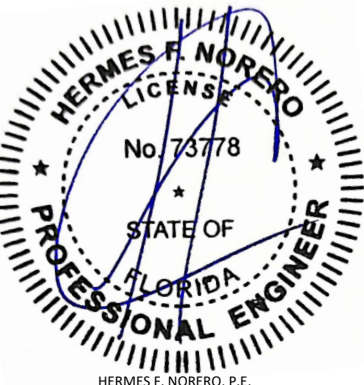
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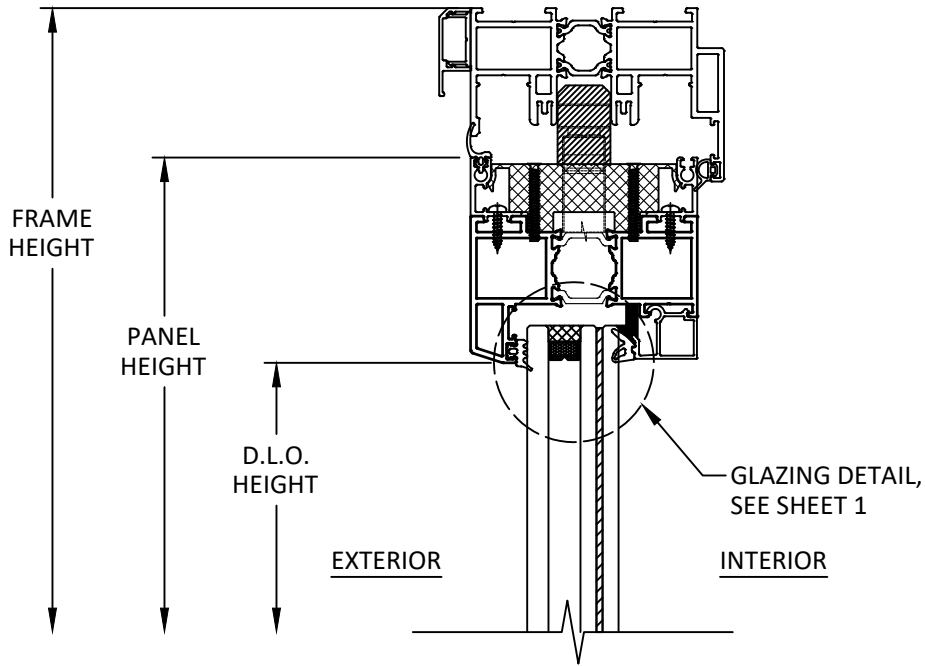
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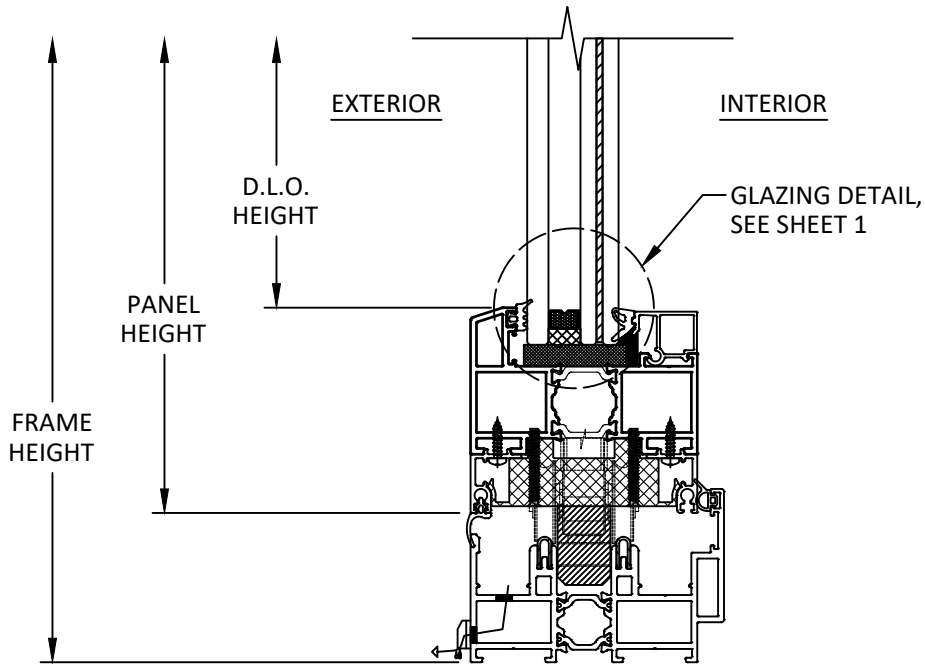
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SHEET:

3



A
4 VERTICAL SECTION
DOOR HEAD



B
4 VERTICAL SECTION
DOOR SILL



No. 1 WUYANG ROAD
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SHANGHAI, CHINA
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FOLDING DOOR
(HVHZ) (IMPACT)

VERTICAL SECTIONS

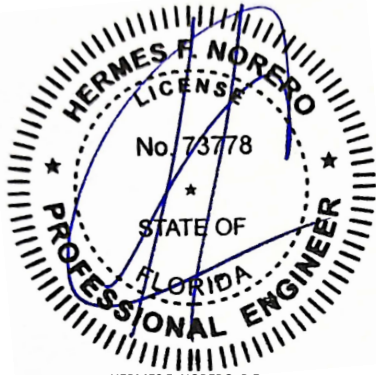
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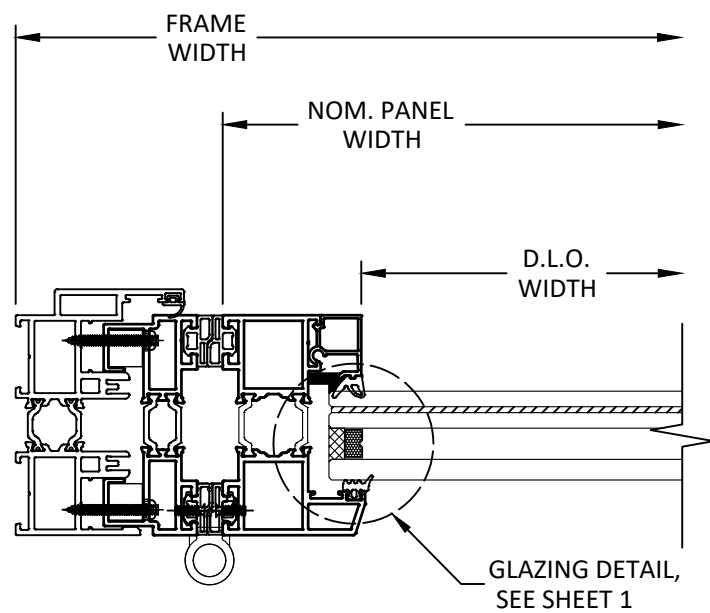
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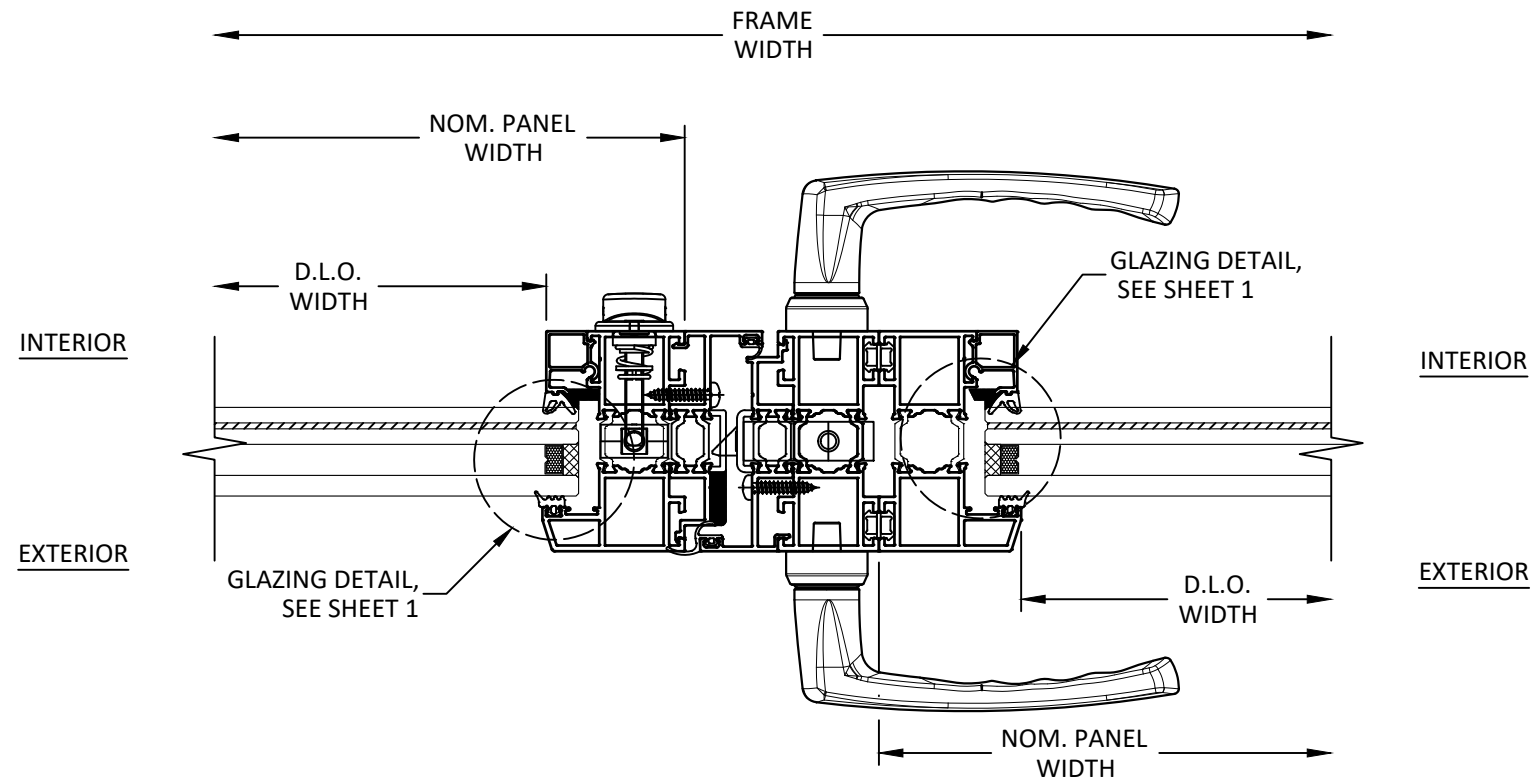
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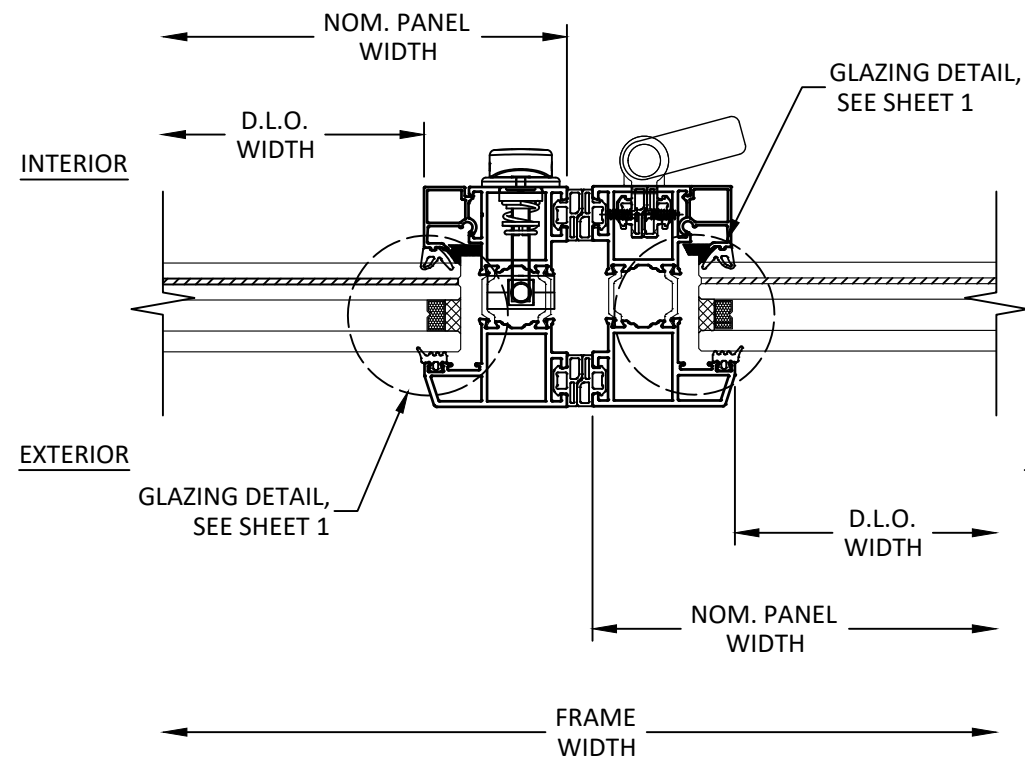
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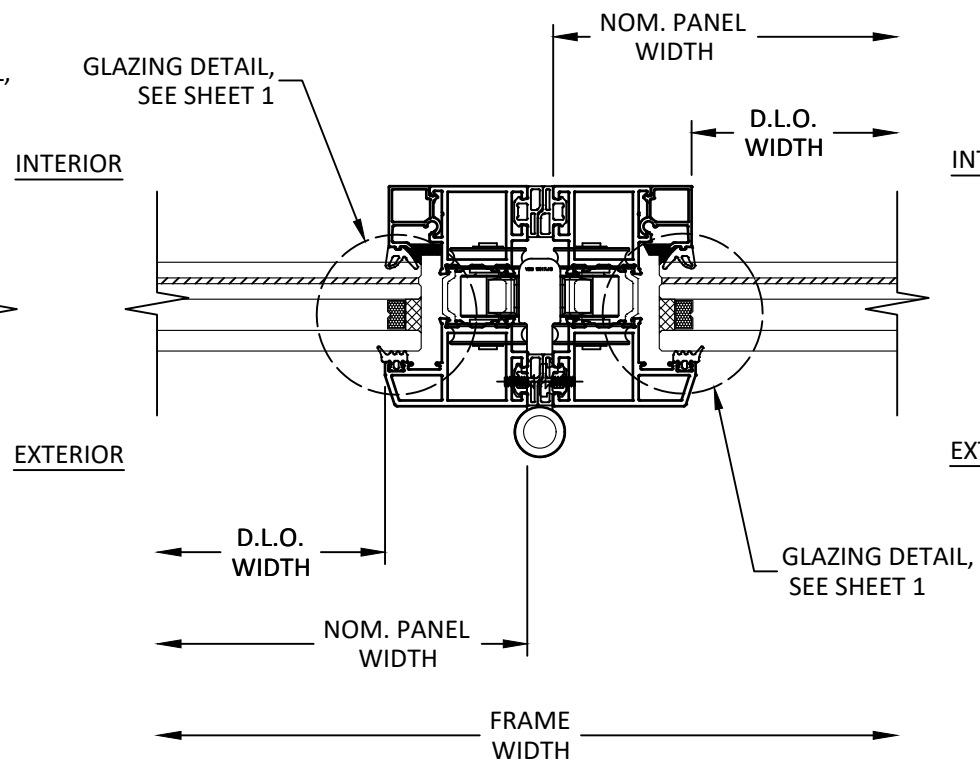
C
5 HORIZONTAL SECTION
HINGE JAMB



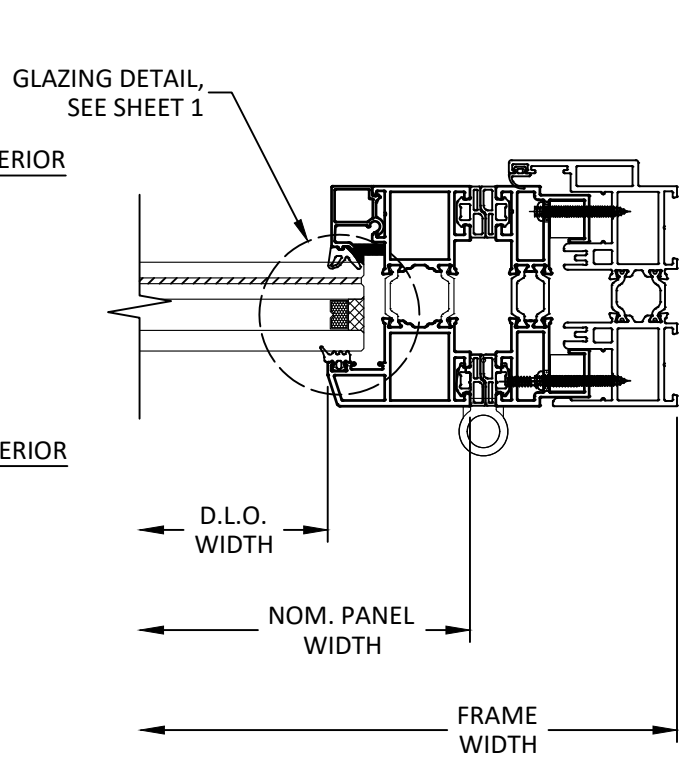
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5 HORIZONTAL SECTION
LOCK STILE



E
5 HORIZONTAL SECTION
MEETING STILE



F
5 HORIZONTAL SECTION
HINGE STILE



G
5 HORIZONTAL SECTION
HINGE JAMB

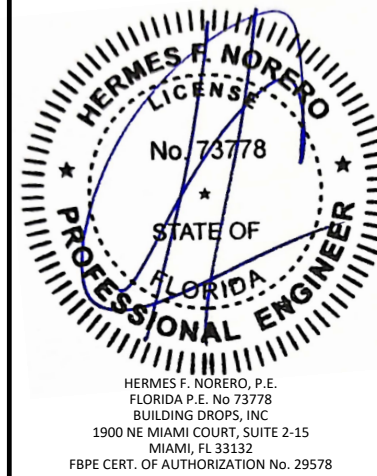


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TITLE: VBM-FD95 FOLDING DOOR (HVHZ) (IMPACT)	HORIZONTAL SECTIONS	PREPARED BY: BD BUILDING DROPS	BUILDING DROPS, INC. 1900 NE MIAMI COURT, SUITE 2-15 MIAMI, FL 33132 PH: (954) 399-8478 FAX: (954) 744-4738 WEB: www.buildingdrops.com	

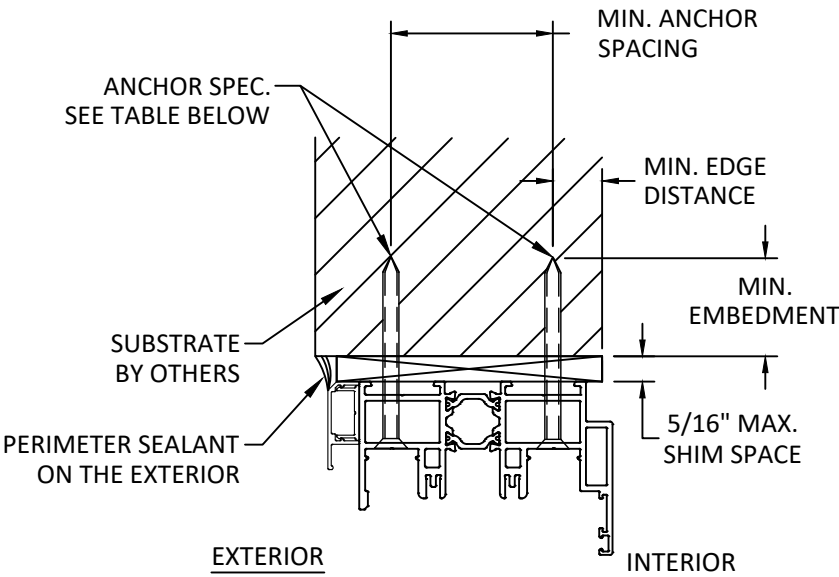
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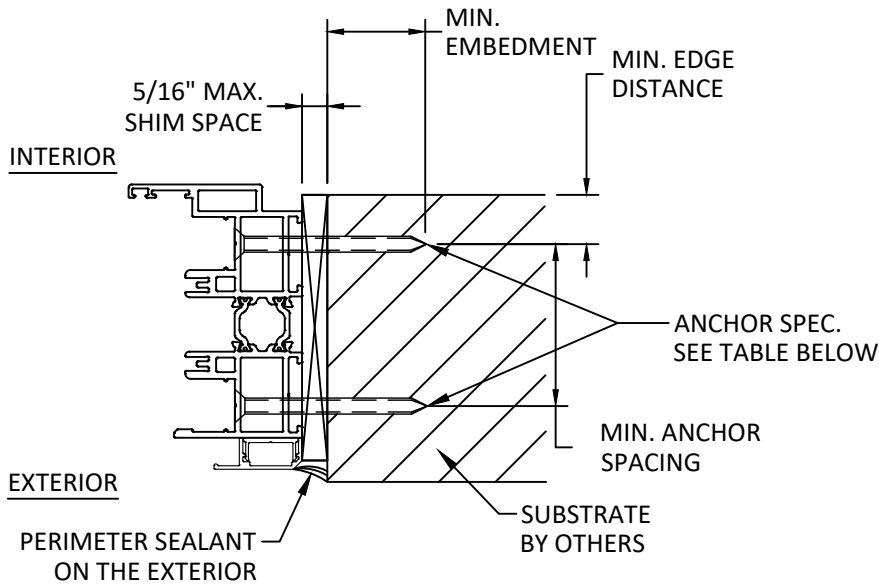


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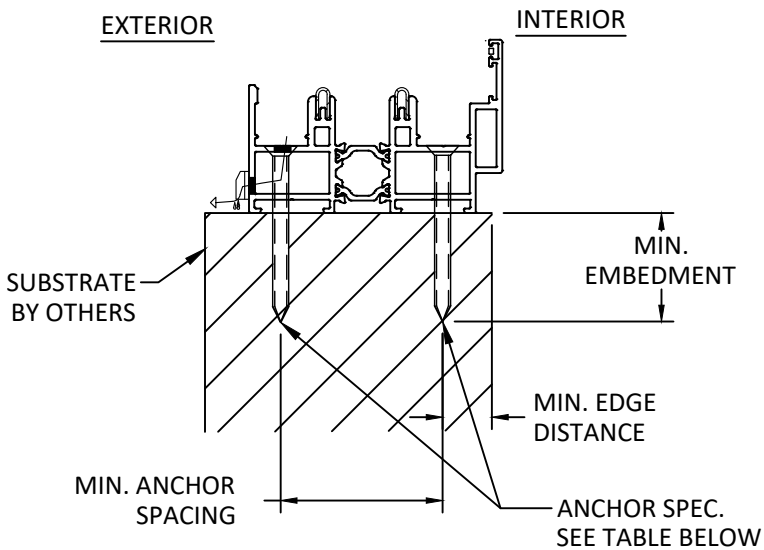
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A
6 INSTALLATION DETAIL
DOOR HEAD



B
6 INSTALLATION DETAIL
DOOR JAMB



C
6 INSTALLATION DETAIL
DOOR SILL

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHOR ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 3.
- 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). MAXIMUM ALLOWABLE SHIM STACK TO BE 5/16 INCH. 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, 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.
- 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				
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. ANCHOR SPACING
WOOD: MIN. S.G. = 0.55	1/2" LAG SCREW	1-1/2"	3/4"	2-1/8"
STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	1/2" GRADE 5 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"	
ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5				
CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1-1/2"	2"	
MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI		1"		



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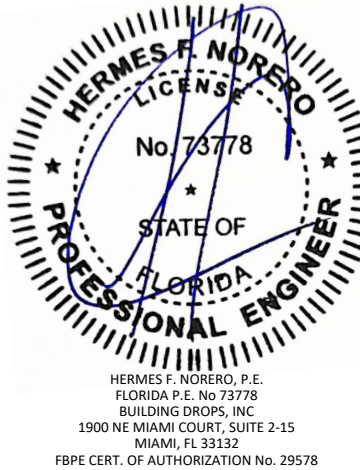
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6