

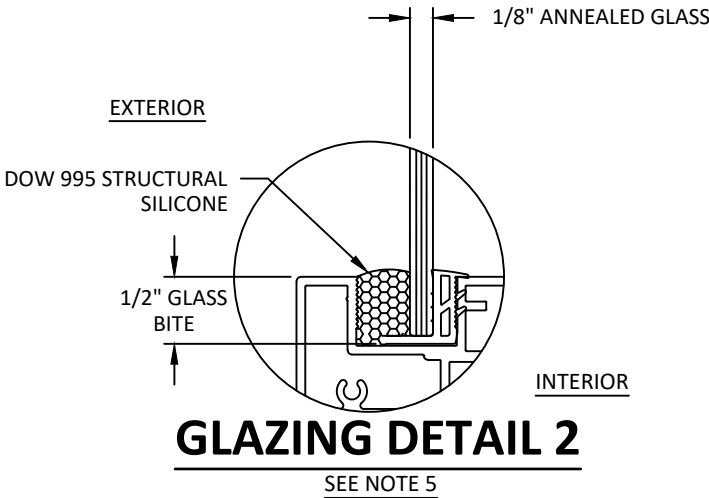
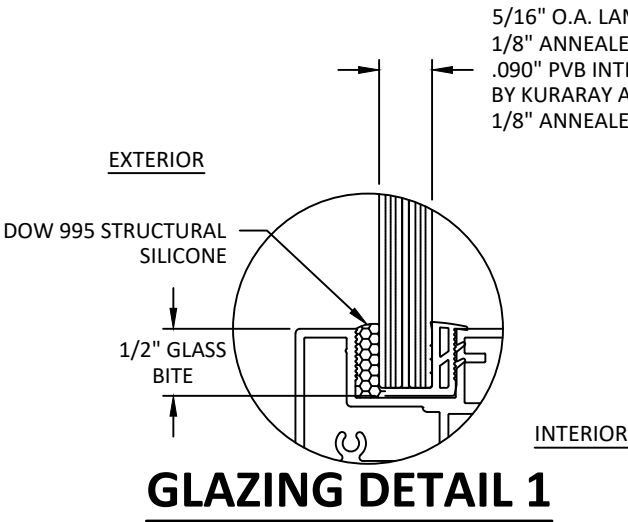
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CONDADO WINDOW

325 SERIES PROJECT-OUT WINDOW WITH INTEGRAL SHUTTER (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:
 - 6.1. X: OPERABLE PANEL
 - 6.2. O: FIXED PANEL
7. WINDOW 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 DETAILS



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.
5. NON-IMPACT GLASS MUST BE USED WITH SHUTTER DEPLOYED FOR HURRICANE CONDITIONS

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATIONS, DP TABLE & ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	ANCHOR DETAILS, INSTALLATION NOTES & ANCHOR SCHEDULE

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



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GENERAL NOTES & GLAZING DETAIL

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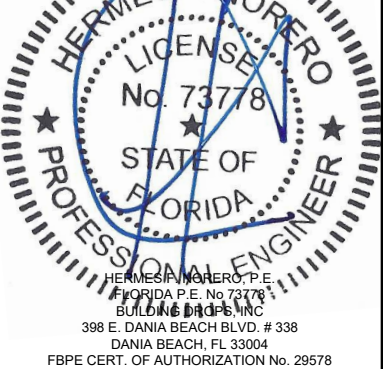
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE

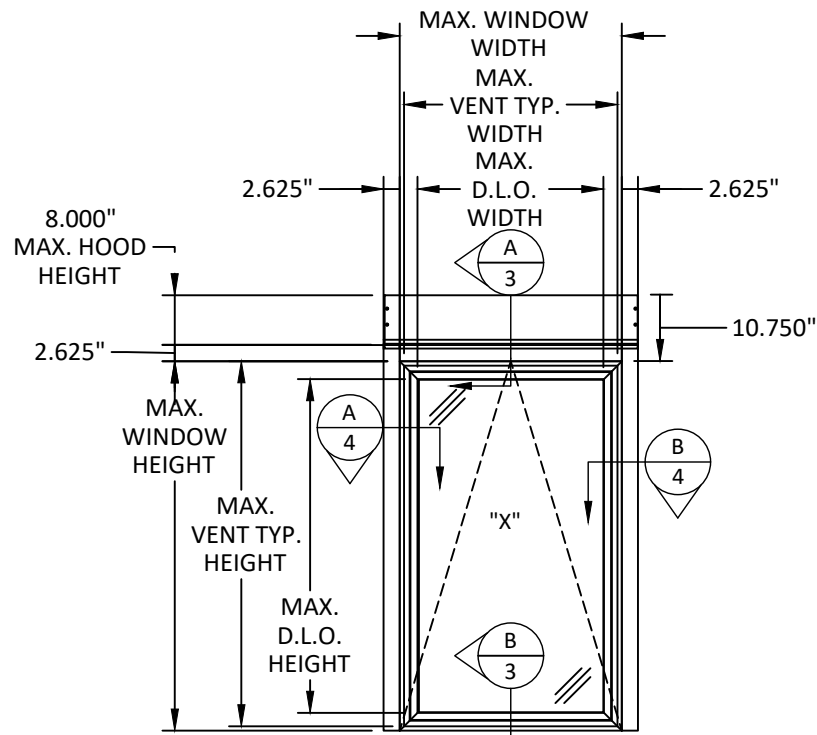
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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2022.02.25 19:37:40 -0500



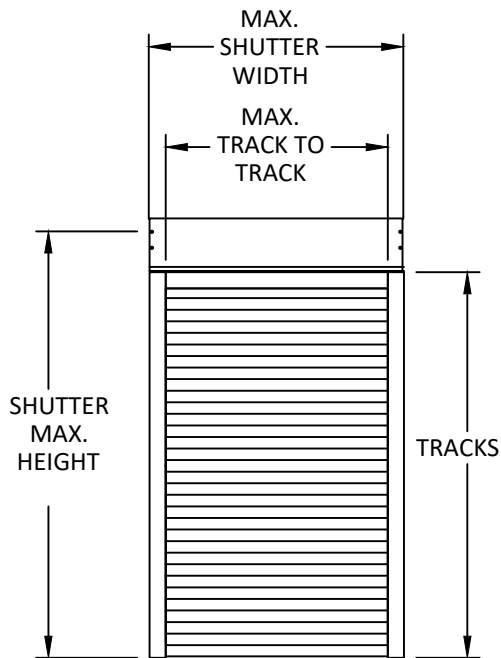
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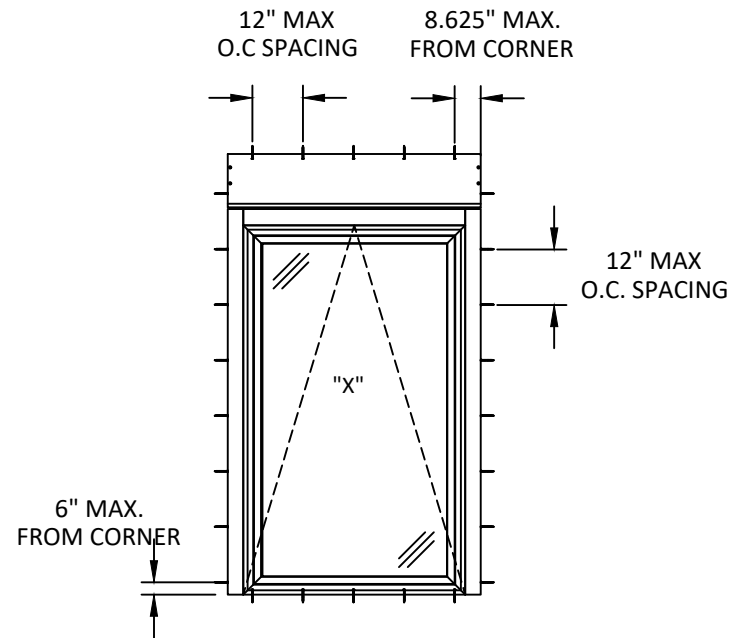
ELEVATION

PROJECT OUT WINDOW W/ SHUTTER ROLLED UP



ELEVATION

PROJECT OUT WINDOW W/ SHUTTER ROLLED DOWN



ANCHOR LAYOUT

THROUGH FRAME

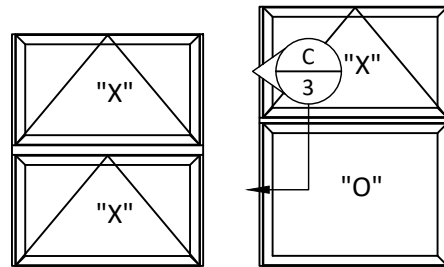
- SHUTTER FRAME WIDTH DIM = WINDOW WIDTH + 5-1/4"
- SHUTTER FRAME HEIGHT DIM = WINDOW HEIGHT + 10-3/4"
- D.L.O WIDTH DIM = WINDOW WIDTH - 5-7/8"
- D.L.O HEIGHT DIM = WINDOW HEIGHT - 5-7/8"

WINDOW DESIGN PRESSURE TABLE (+/- PSF)		
WINDOW FRAME HEIGHT (IN.)	WINDOW FRAME WIDTH (IN.)	DESIGN PRESSURE
60	36	100.0
52	40	90.0
48	44	81.8

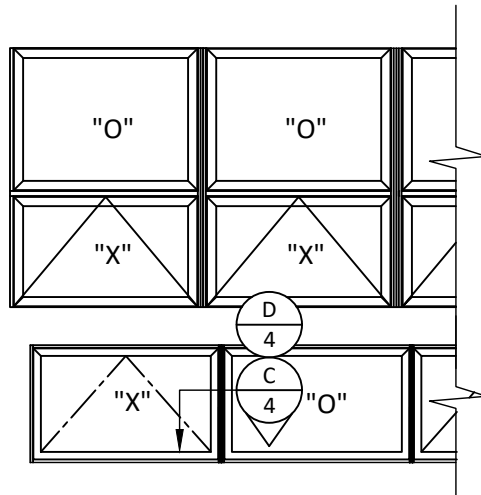
HOR. MULLION DESIGN PRESSURE TABLE (+/- PSF)			
WINDOW FRAME HEIGHT (IN.)	60	52	48
WINDOW FRAME WIDTH (IN.)	36	40	44
DESIGN PRESSURE	100.0	90.0	81.8

NOTE:
DESIGN PRESSURE TABLES ARE APPLICABLE TO SINGLE OR MULTIPLE CONFIGURATIONS WHEN MULLED SIDE-BY-SIDE OR OVER ONE ANOTHER.

APPROVED CONFIGURATIONS



NOTE: UNITS MAY UTILIZE INTEGRAL MULLS FOR FIXED OVER PROJECT OUT, PROJECT OUT OVER FIXED, OR PROJECT OUT OVER PROJECT OUT CONFIGURATIONS. ADDITIONALLY, ALTERNATE WINDOW TYPES MAY BE MULLED WITH APPROVED WINDOWS. MAX. VENT & FIXED LITE SIZES SHALL NOT BE EXCEEDED AS SHOWN HEREIN.



NOTE: UNITS MAY BE MULLED SIDE BY SIDE IN COMBINATIONS OF PROJECT OUT/FIXED, PROJECT OUT/PROJECT OUT, AND/OR OTHER APPROVED WINDOW TYPES (SEE APPROVED INSTALLATION INSTRUCTIONS). MULLS SHALL BE AS SHOWN HEREIN OR APPROVED UNDER SEPARATE APPROVAL. FIXED WINDOWS AND OTHER ALTERNATE WINDOW TYPES UNDER SEPARATE APPROVAL.



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WINDOW WITH INTEGRAL SHUTTER
(HVHZ) (IMPACT)

ELEVATIONS, DP TABLE &
ANCHOR LAYOUT

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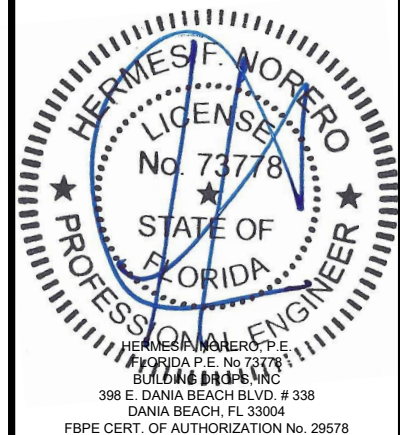
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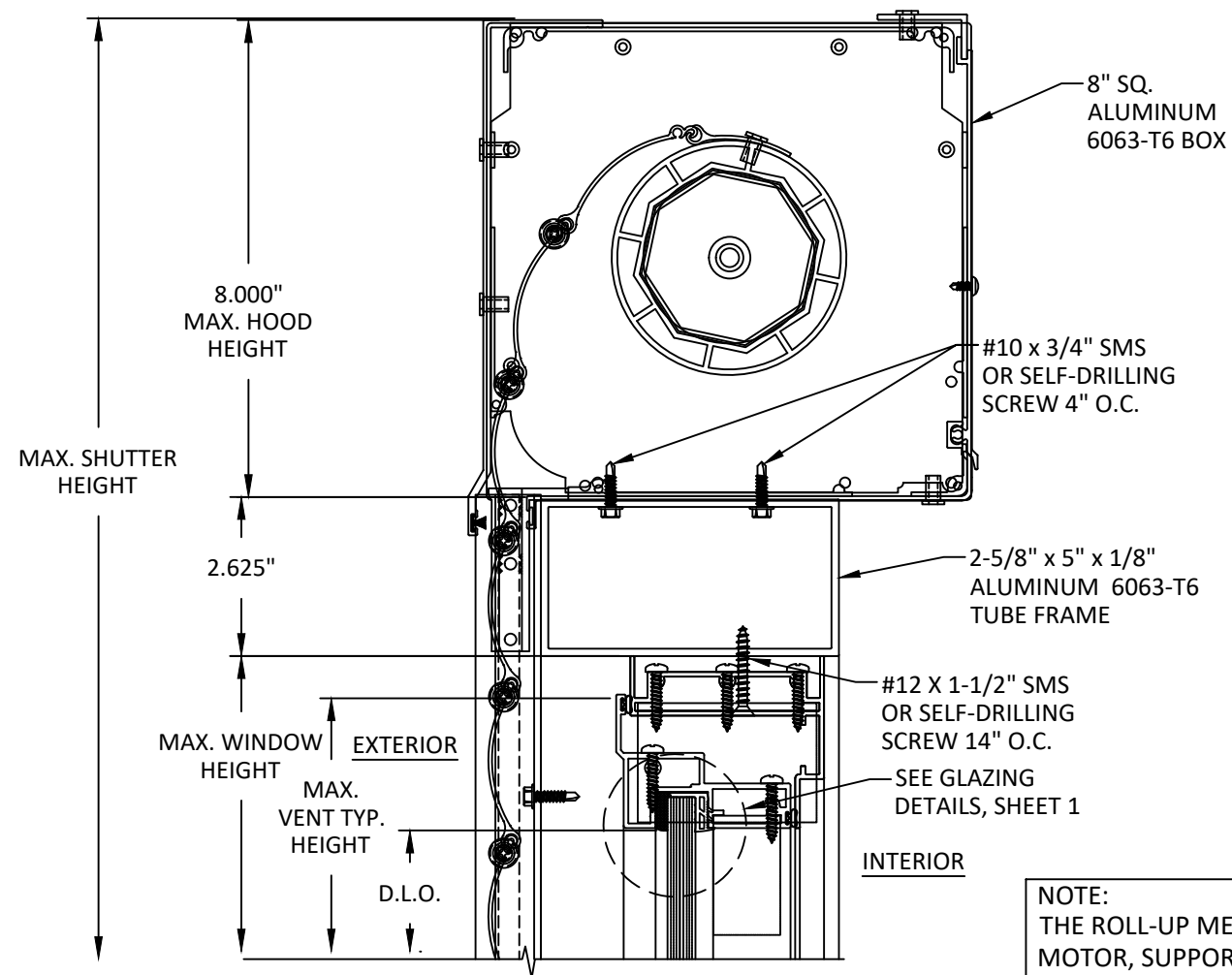
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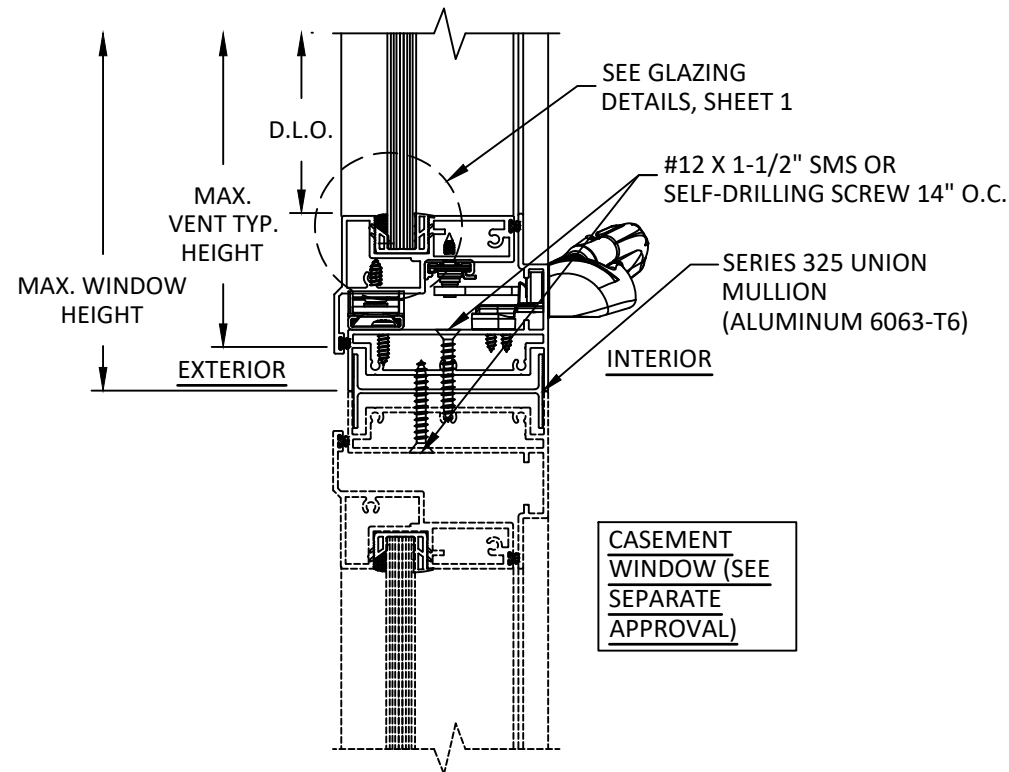
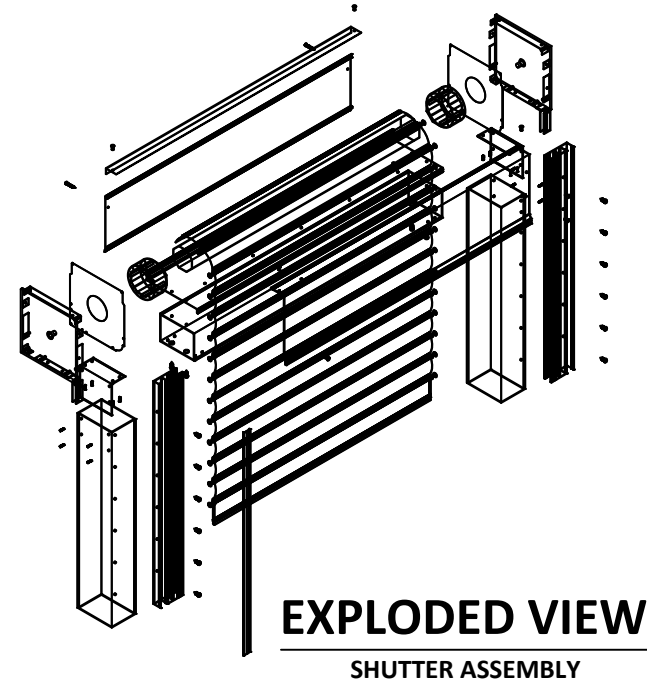
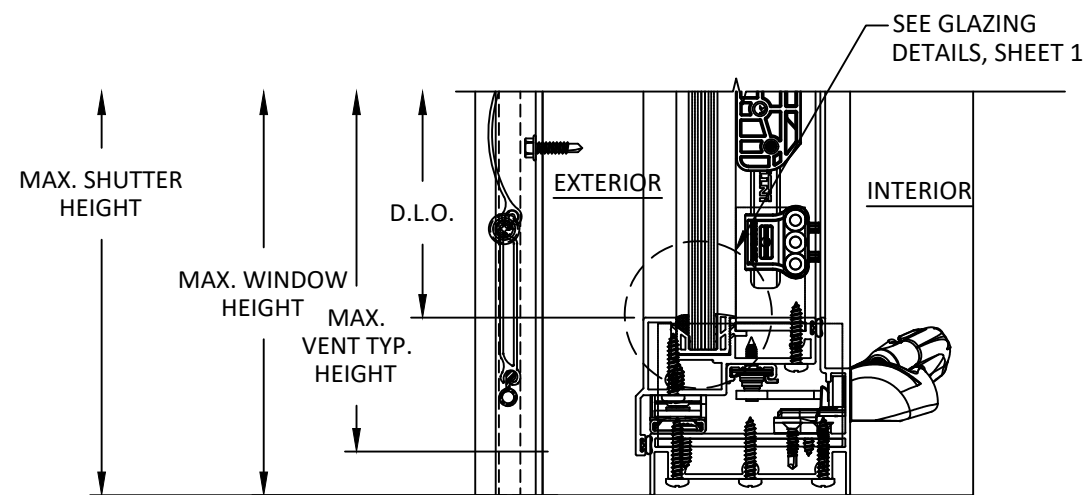


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NOTE:
THE ROLL-UP MECHANISM (GEARS,
MOTOR, SUPPORTING END PLATES)
ARE NOT A PART OF THIS APPROVAL.



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VERTICAL SECTIONS

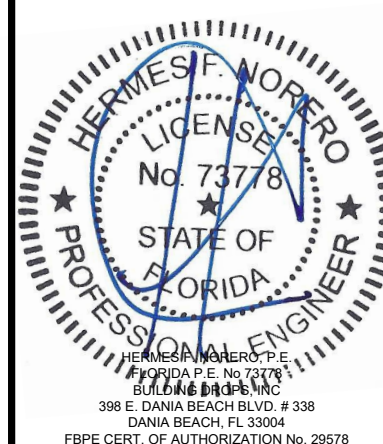
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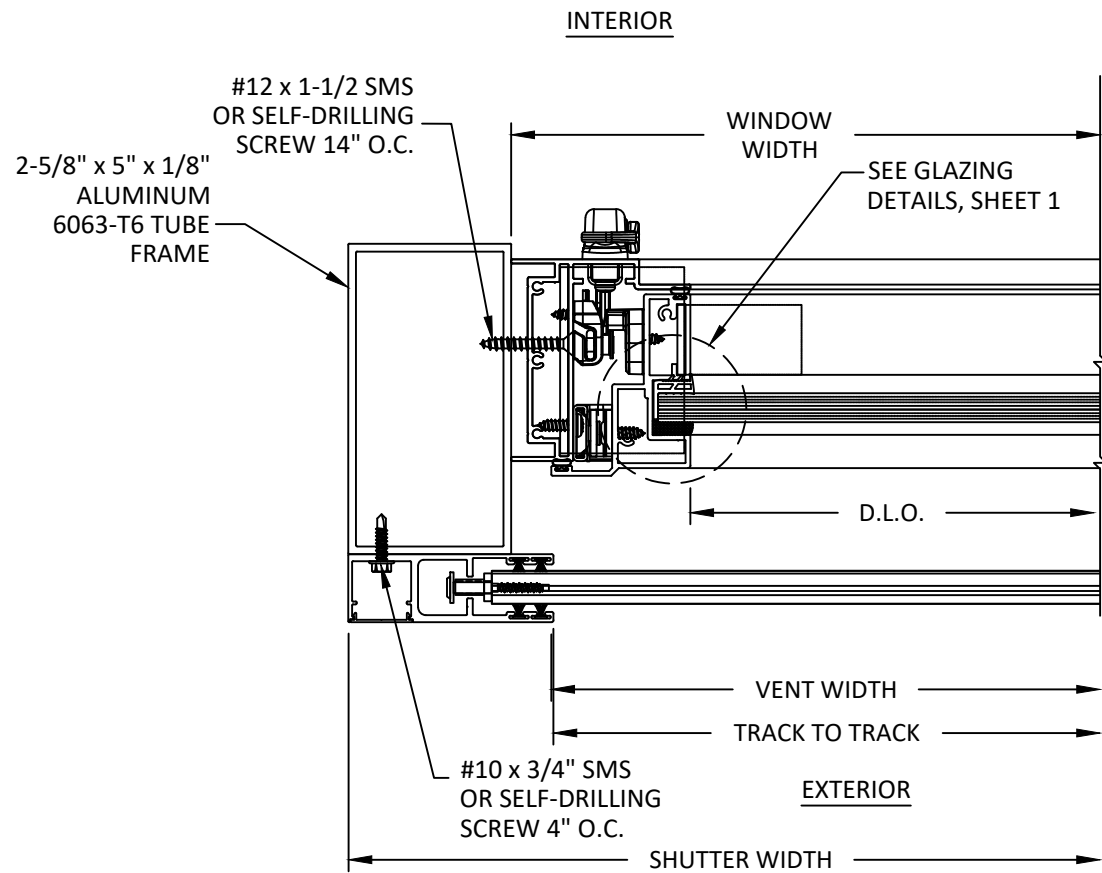
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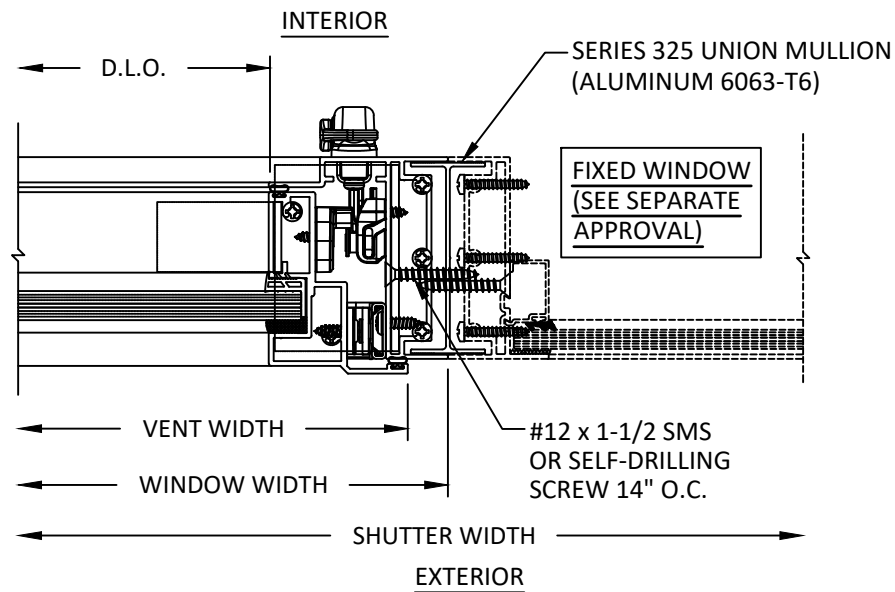


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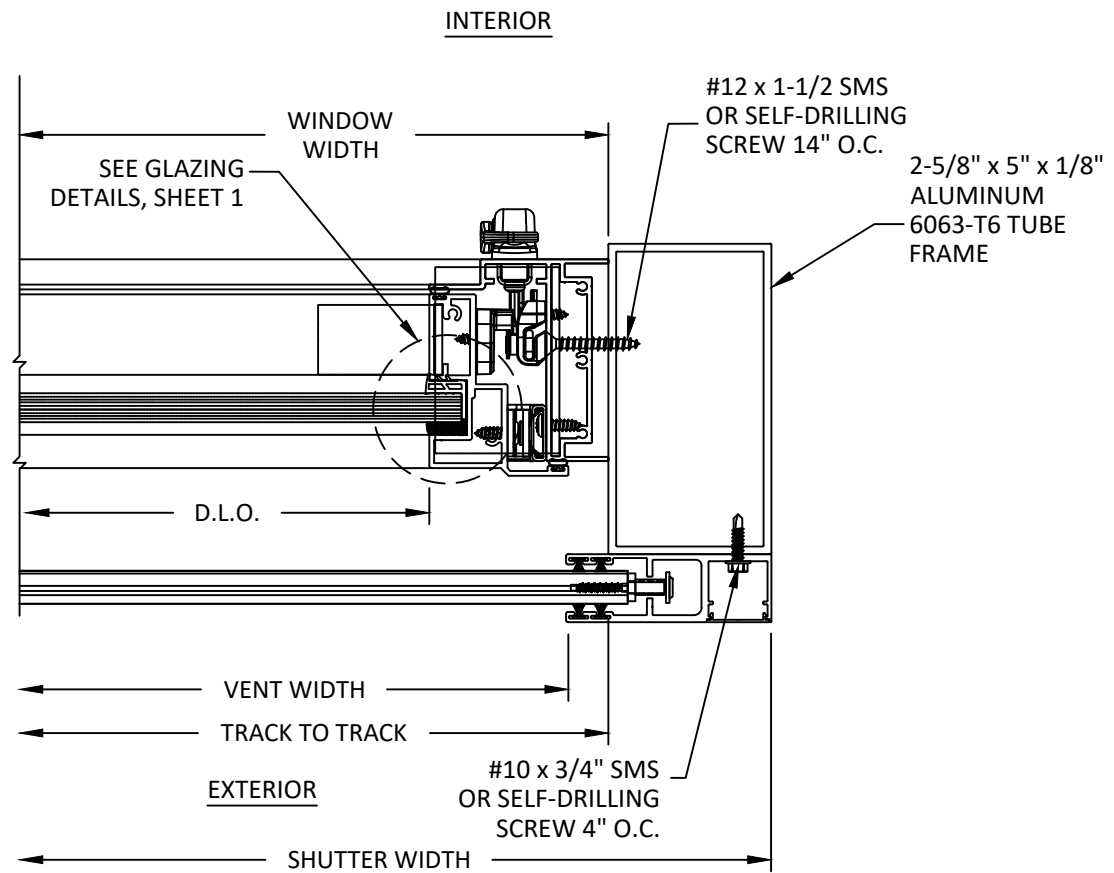
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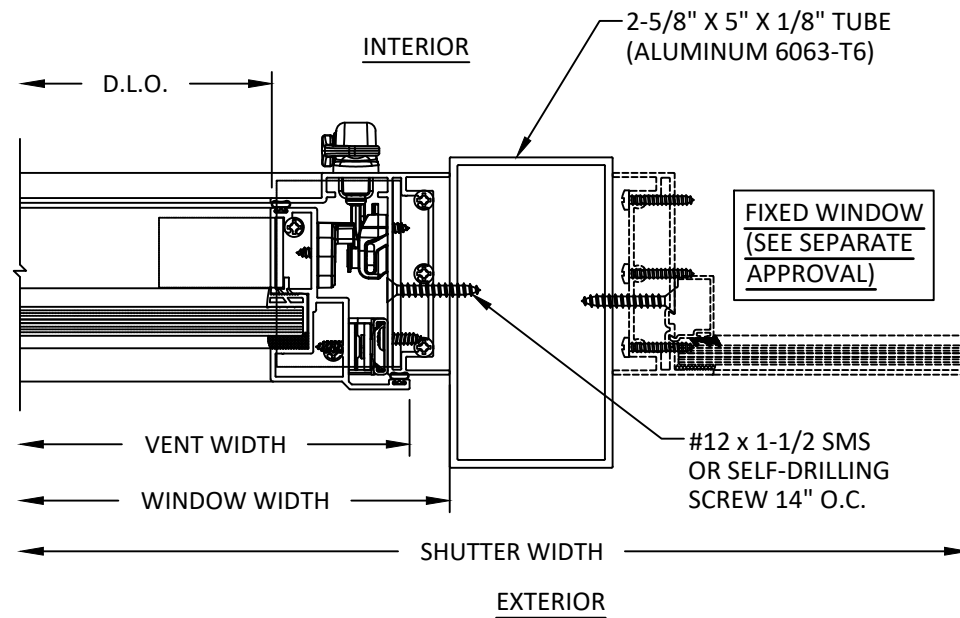
A/4 HORIZONTAL SECTION
LEFT JAMB DETAIL



C/4 HORIZONTAL SECTION
PROJECT OUT TO FIXED



B/4 HORIZONTAL SECTION
RIGHT JAMB DETAIL



D/4 HORIZONTAL SECTION
PROJECT OUT TO FIXED



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HORIZONTAL SECTIONS

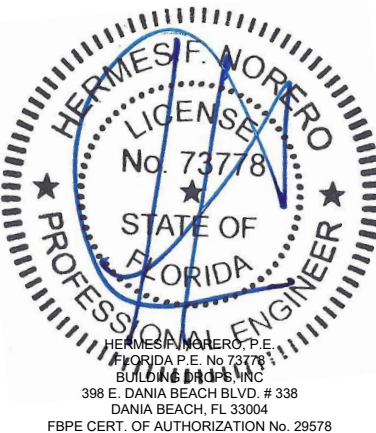
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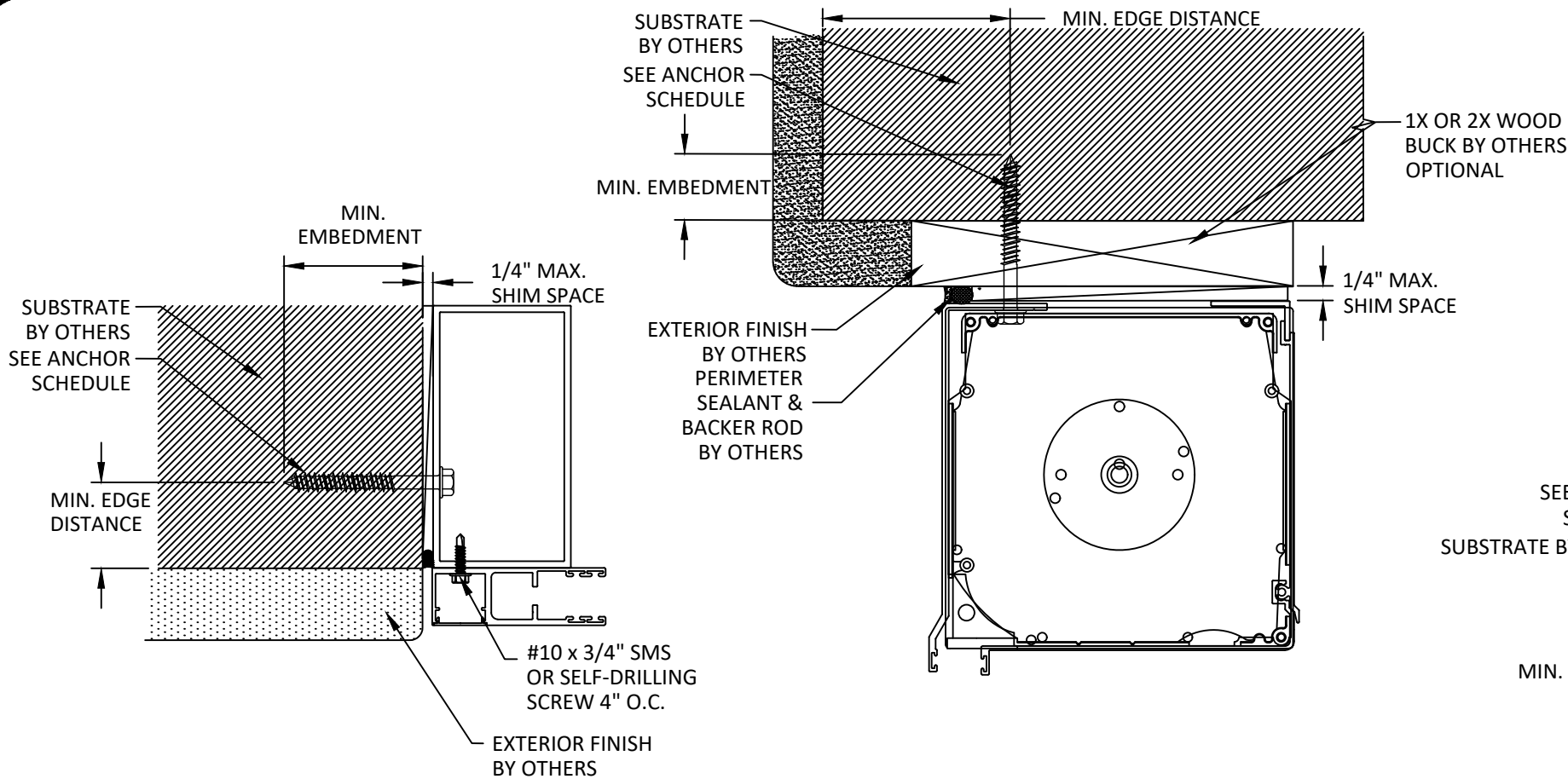
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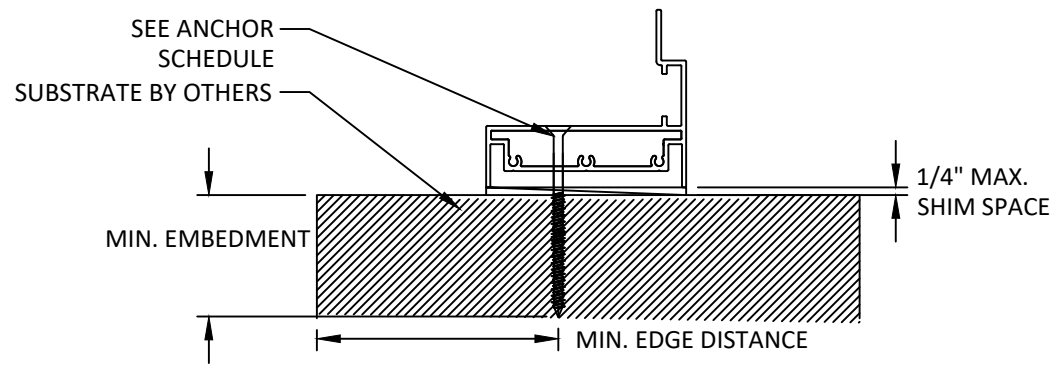
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A
5 ANCHOR DETAIL
THROUGH FRAME INSTALLATION

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.
- USE 3/8" WASHERS WITH ALL INSTALLATION FASTENERS.
- 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					
TYPE	METHOD	ANCHOR	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	THROUGH FRAME	#14 WOOD SCREW	2X WOOD MIN. S.G.=0.55	1.50"	1.00"
B		1/4" GR. 5 SELF-TAPPING/DRILLING SCREW	METAL: 18 GAUGE STEEL, MIN. Fy = 33 KSI	3 THREADS MIN PENETRATION BEYOND METAL	1.00"
C		1/4" ITW TAPCON (CARBON OR STAINLESS STEEL)	3000 PSI CONCRETE MIN.	1.75"	2.50"
D			GROUT FILLED CMU PER ASTM C-90 W/ MIN. F'C=2000 PSI	1.00"	2.50"



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NOTES & ANCHOR SCHEDULE

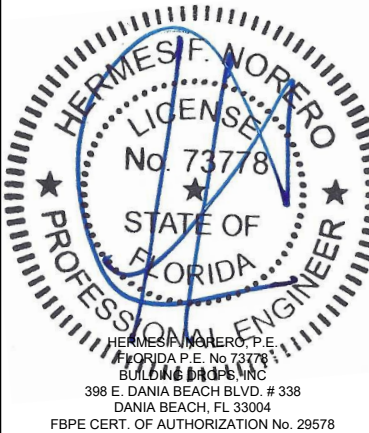
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