

CONDADO WINDOW

ULTRA 400 SERIES OUTSWING ENTRANCE DOOR

WITH INTEGRAL SHUTTER

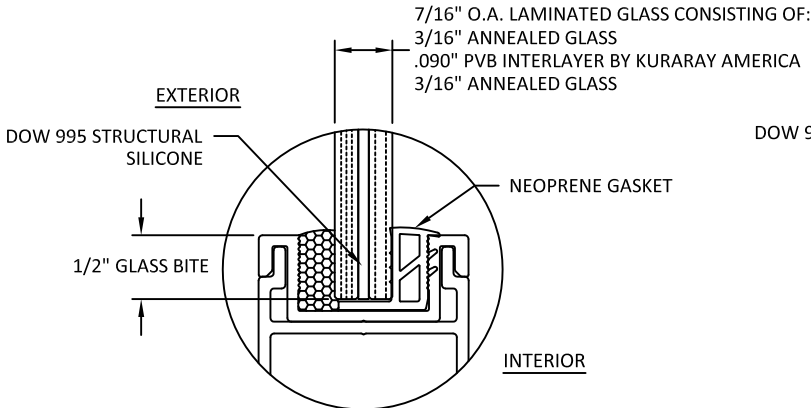
(HVHZ) (IMPACT)

GENERAL NOTES:

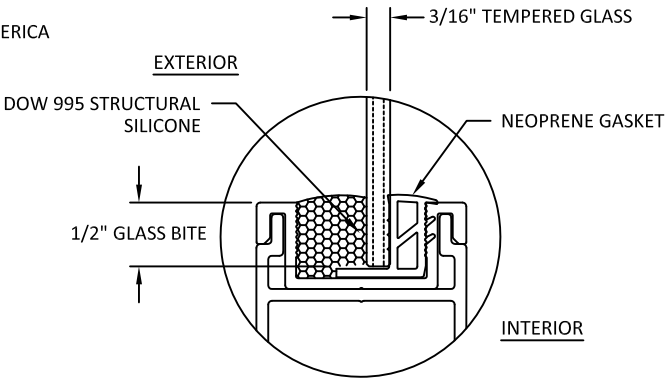
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN 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.
- 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.
- 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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE FOR WIND ZONE 4 OR LESS OR WITHIN THE HVHZ.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - 6.1. X: OPERABLE PANEL
 - 6.2. O: FIXED PANEL
- DOOR FRAME MATERIAL: ALUMINUM 6063-T6
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH FBC.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

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

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



GLAZING DETAIL 1



GLAZING DETAIL 2

SEE NOTE 5

- GLAZING NOTES:
- 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.
 - 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.
 - NON-IMPACT GLASS MUST BE USED WITH SHUTTER DEPLOYED FOR HURRICANE CONDITIONS.



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PUERTO RICO 00907
PH: (787)723-5469 FAX: (787)722-1395

TITLE: ULTRA 400 SERIES OUTSWING
ENTRANCE DOOR WITH INTEGRAL
SHUTTER (HVHZ) (IMPACT)

GENERAL NOTES &
GLAZING DETAIL

PREPARED BY:

BUILDING DROPS, INC.

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DANIA BEACH, FL 33004

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FAX: (954)744-4738

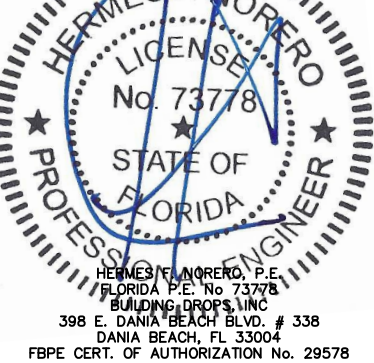
WEB: www.buildingdrops.com



REMARKS	BY	DATE
GLAZING SEPARATION	SM	4.19.22

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2022.04.29 16:45:32 -0400



FL #:
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DATE: **11.13.19**

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LL

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **CDW005**

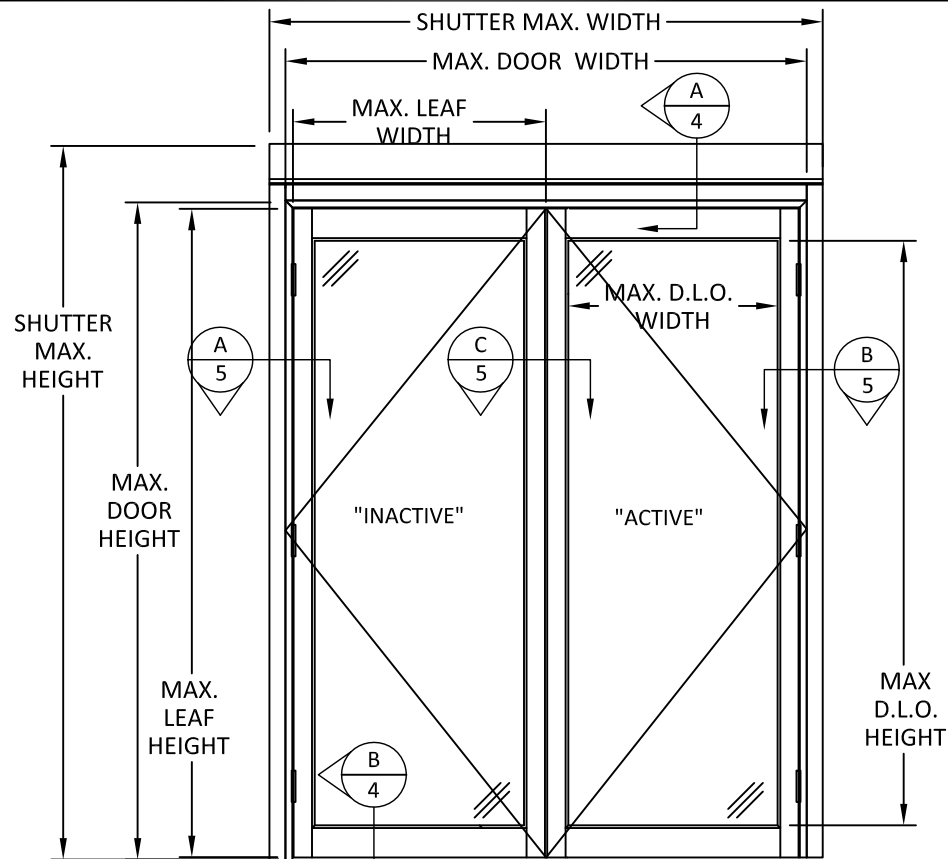
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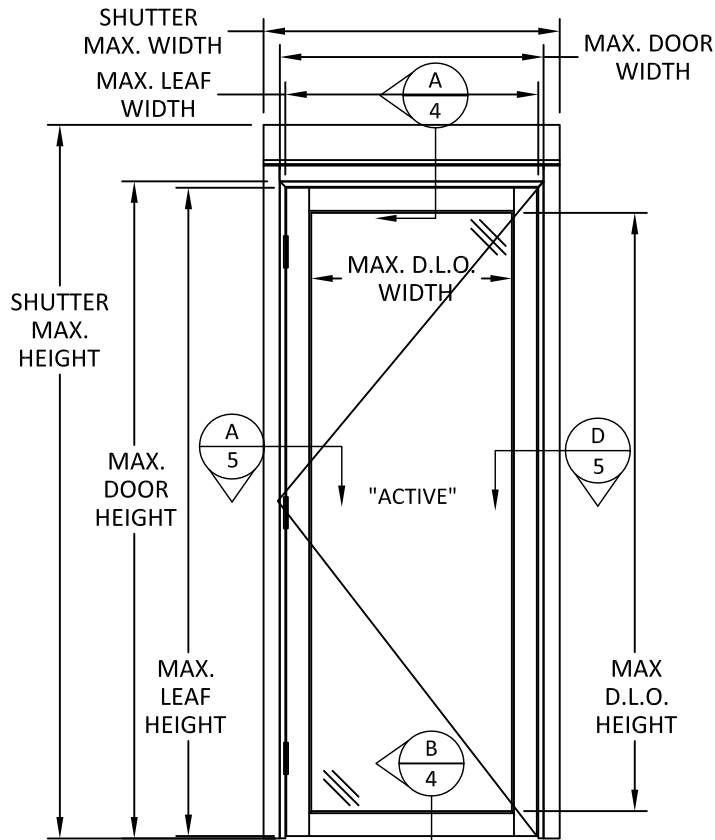
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DOUBLE DOOR ELEVATION

OUTSWING DOOR W/ SHUTTER ROLLED UP

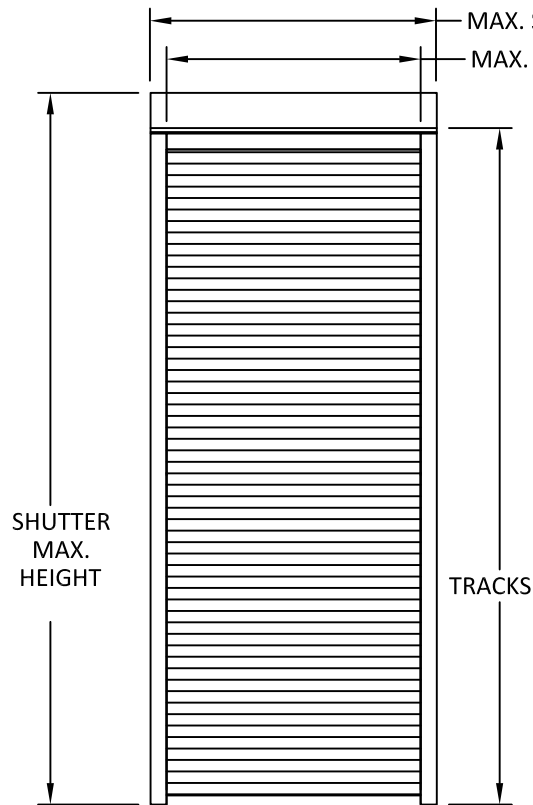


SINGLE DOOR ELEVATION

OUTSWING DOOR W/ SHUTTER ROLLED UP

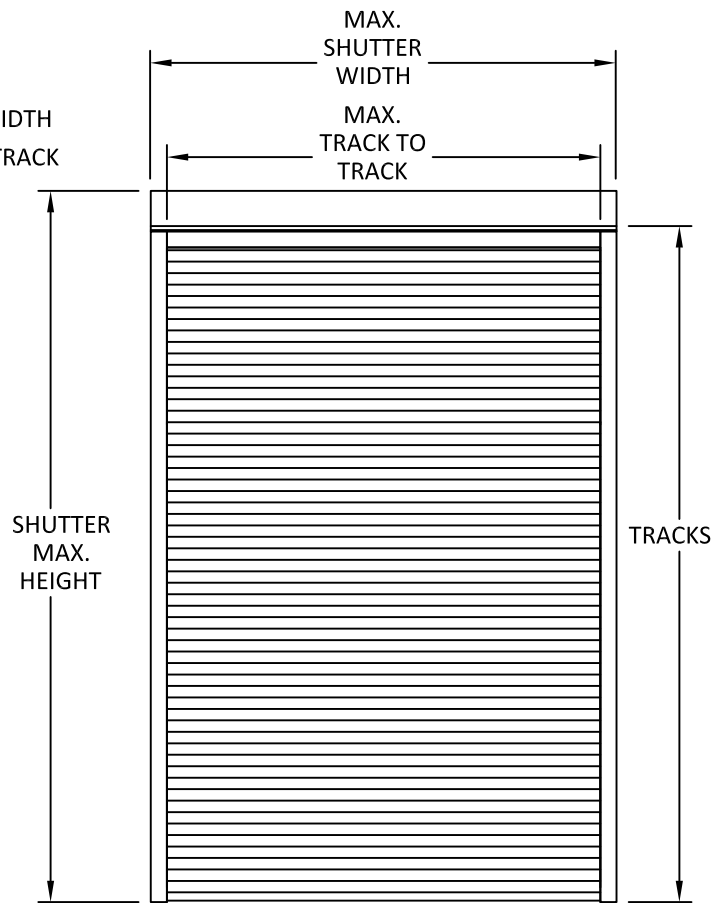
- SHUTTER FRAME WIDTH DIM
 - SINGLE DOOR = LEAF WIDTH + 7-1/4"
 - DOUBLE DOOR = 2 X LEAF WIDTH + 7-1/4"
- SHUTTER FRAME HEIGHT DIM = DOOR HEIGHT + 10-3/4"
- D.L.O WIDTH DIM = LEAF WIDTH - 8-7/16"
- D.L.O HEIGHT DIM = LEAF HEIGHT - 8-7/16"

DESIGN PRESSURE TABLE (+/- PSF)		
DOOR HEIGHT (IN.)	LEAF WIDTH (IN.)	DESIGN PRESSURE
108	40	75.0
96	44	68.2
88" AND BELOW	48	62.5



SINGLE DOOR ELEVATION

OUTSWING DOOR W/ SHUTTER ROLLED DOWN



DOUBLE DOOR ELEVATION

OUTSWING DOOR W/ SHUTTER ROLLED DOWN



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ELEVATIONS & DP TABLE

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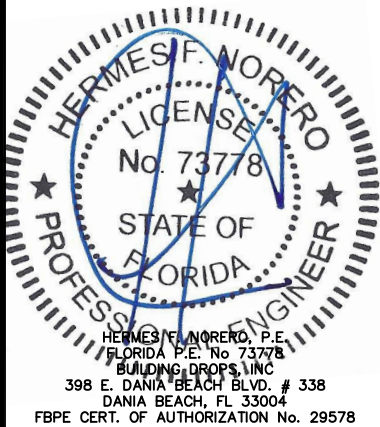
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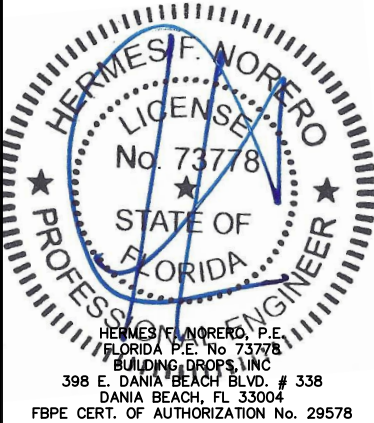
ANCHOR LAYOUTS

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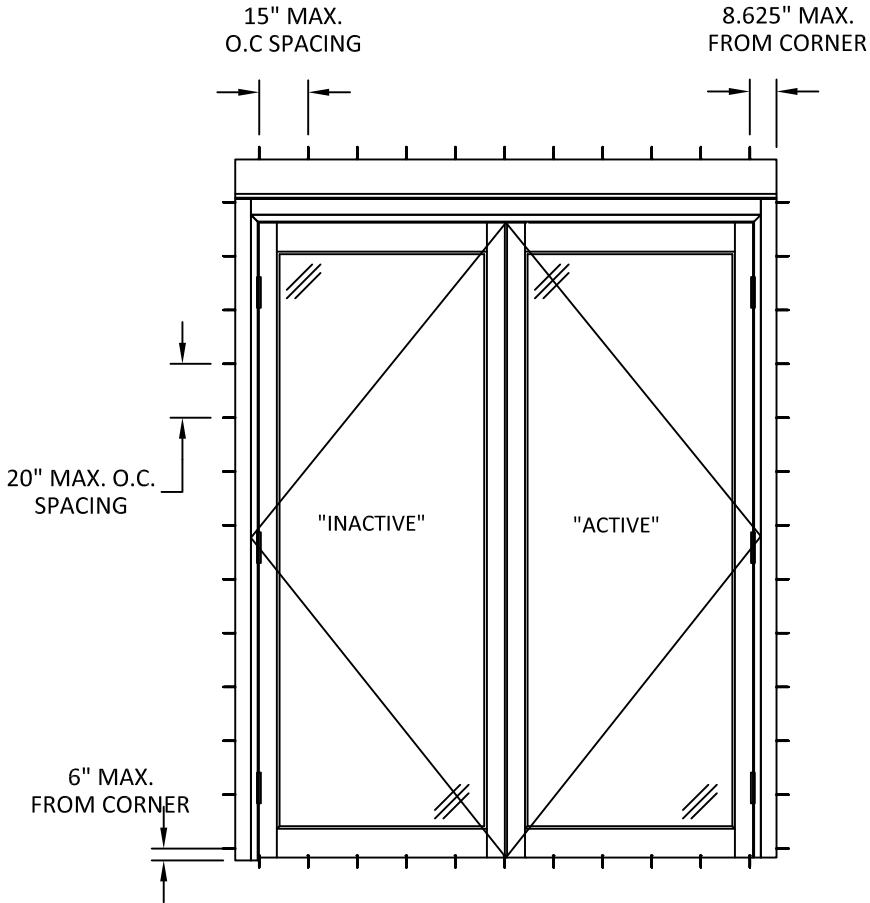
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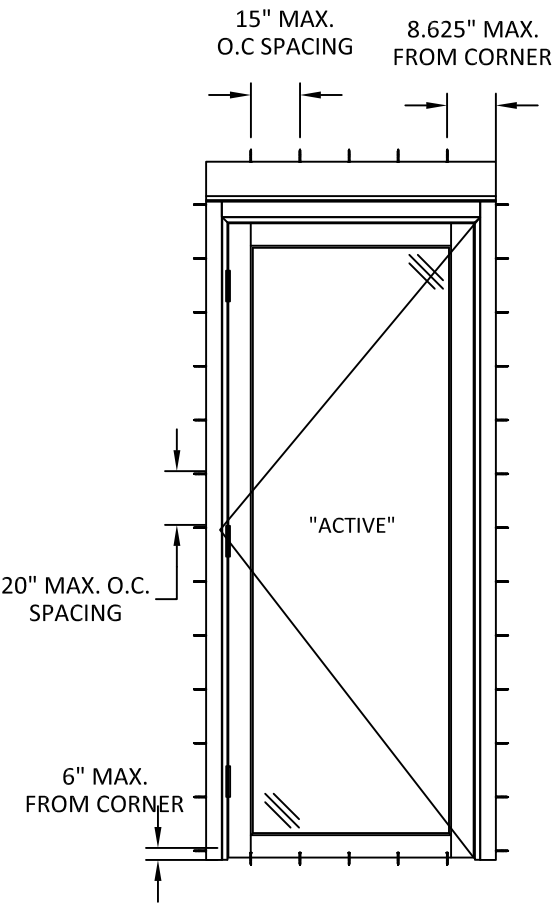
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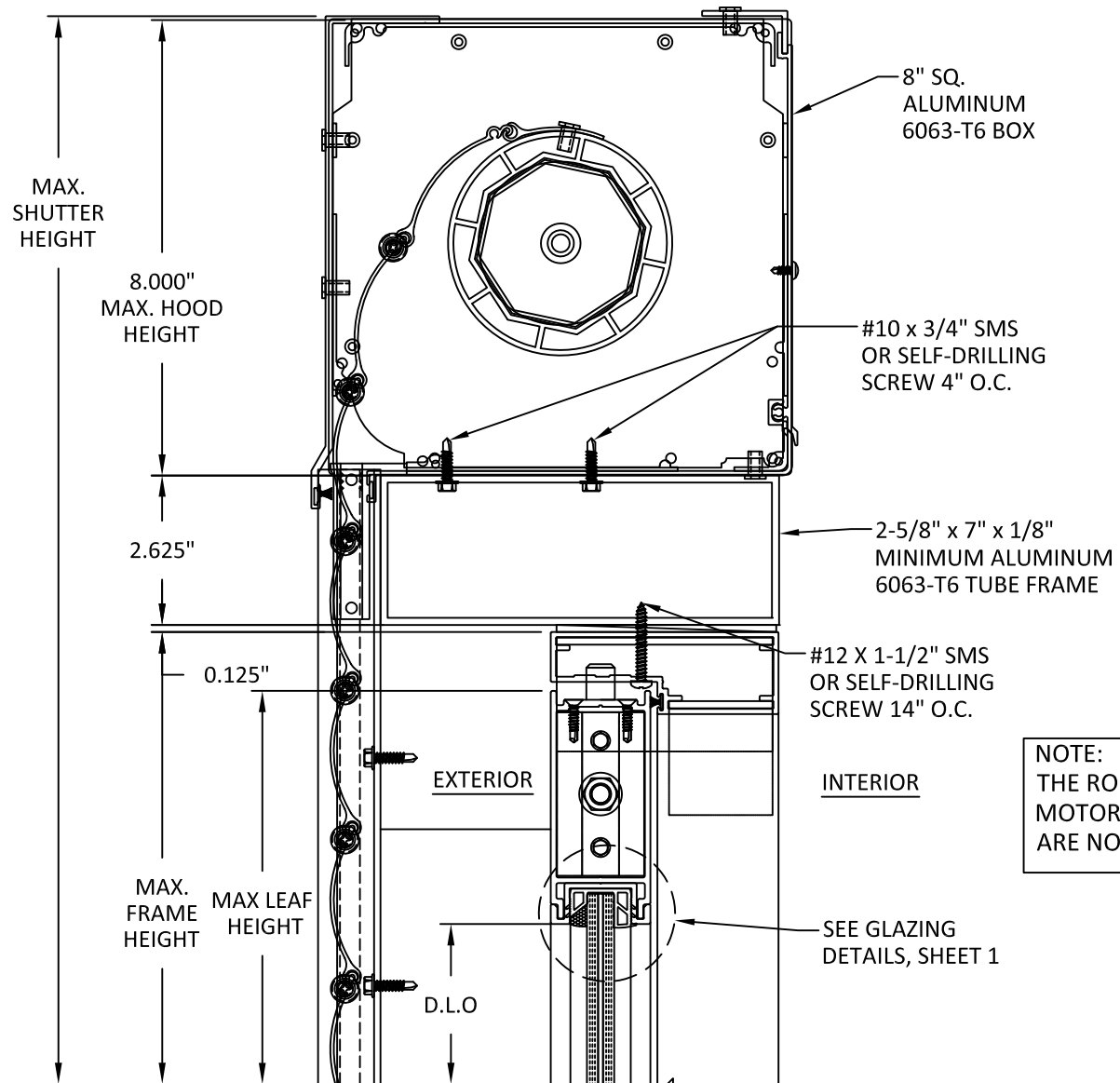
ANCHOR LAYOUT
THROUGH FRAME - OUTSWING DOOR



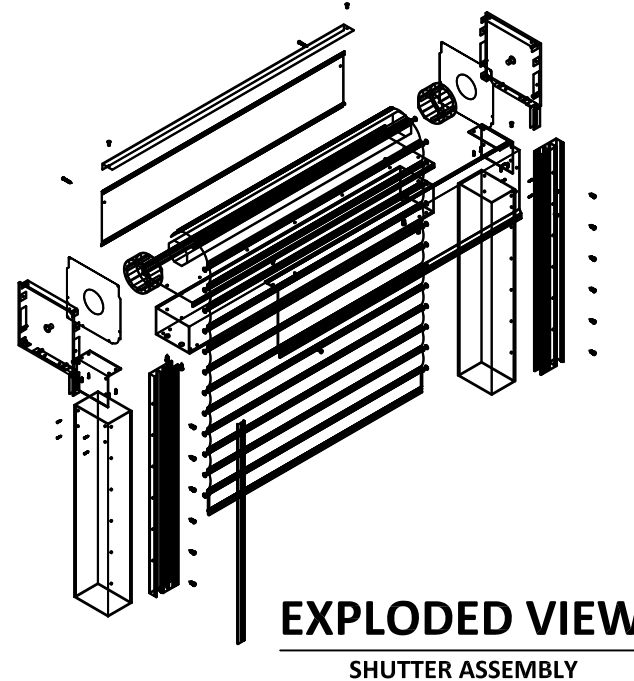
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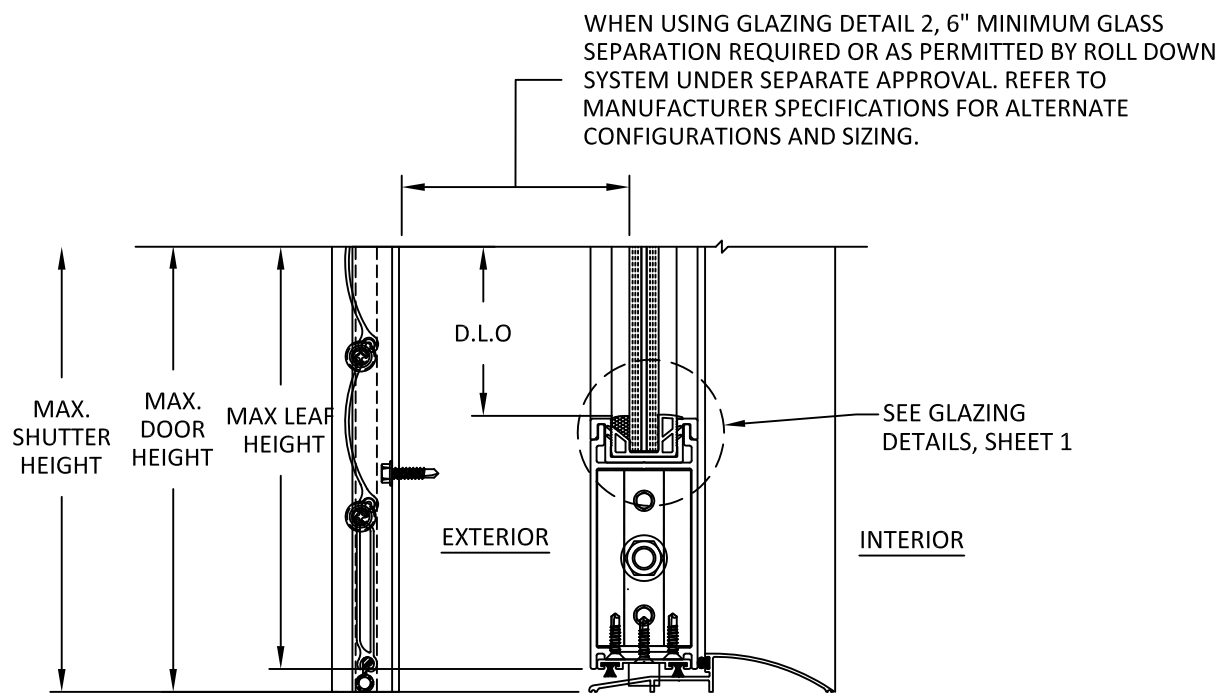
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A
4 **VERTICAL SECTION**
HEAD DETAIL



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



B
4 **VERTICAL SECTION**
SILL DETAIL



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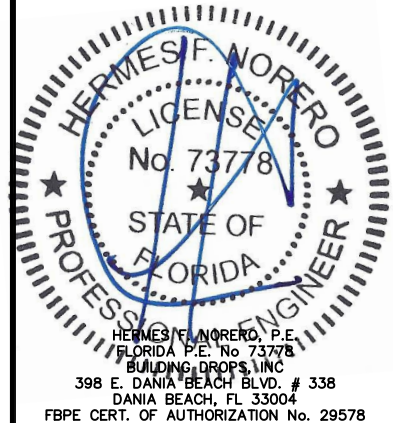
VERTICAL SECTIONS

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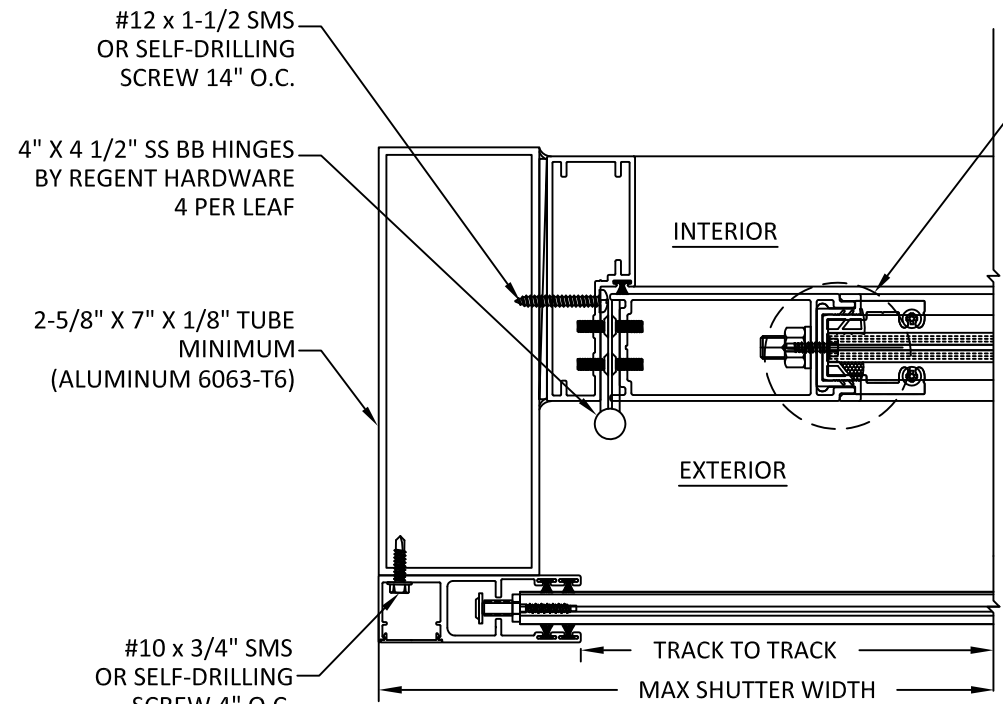
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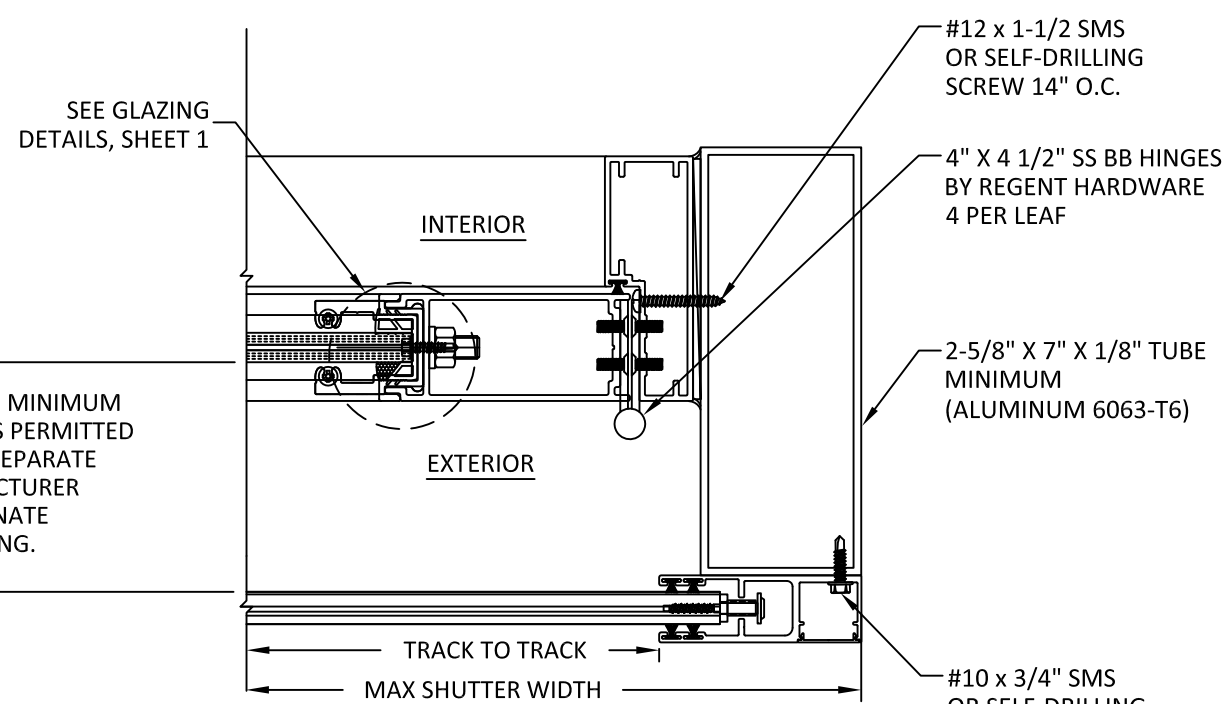
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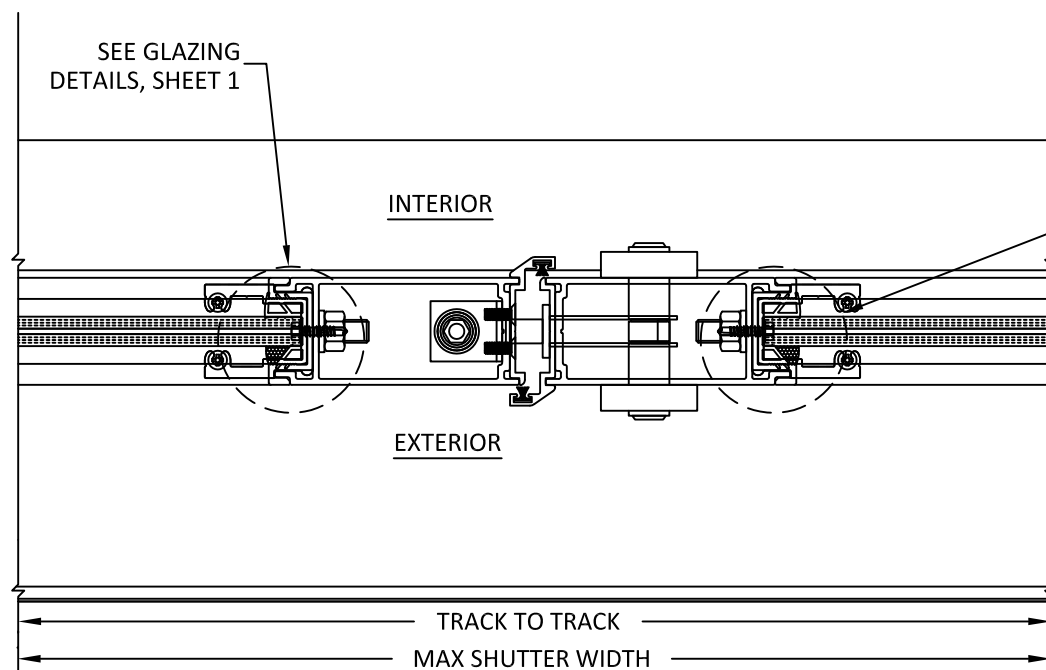
A
5 **HORIZONTAL SECTION**
LEFT JAMB DETAIL

SEE GLAZING
DETAILS, SHEET 1

WHEN USING GLAZING DETAIL 2, 6" MINIMUM
GLASS SEPARATION REQUIRED OR AS PERMITTED
BY ROLL DOWN SYSTEM UNDER SEPARATE
APPROVAL. REFER TO MANUFACTURER
SPECIFICATIONS FOR ALTERNATE
CONFIGURATIONS AND SIZING.



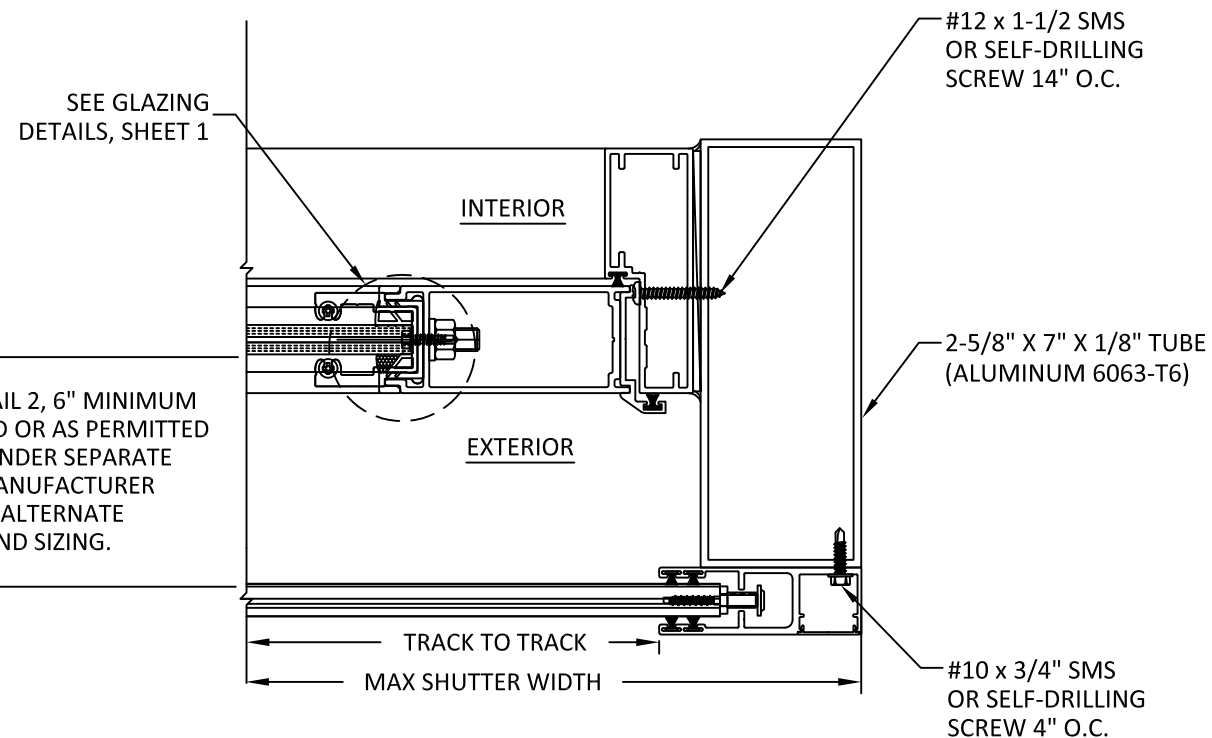
B
5 **HORIZONTAL SECTION**
RIGHT JAMB DETAIL



C
5 **HORIZONTAL SECTION**
MEETING STILES DETAIL

SEE GLAZING
DETAILS, SHEET 1

WHEN USING GLAZING DETAIL 2, 6" MINIMUM
GLASS SEPARATION REQUIRED OR AS PERMITTED
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D
5 **HORIZONTAL SECTION**
RIGHT JAMB DETAIL



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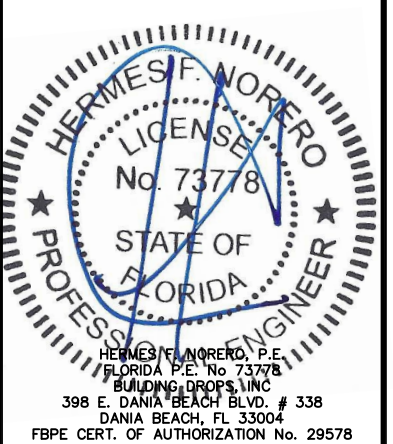
HORIZONTAL SECTIONS

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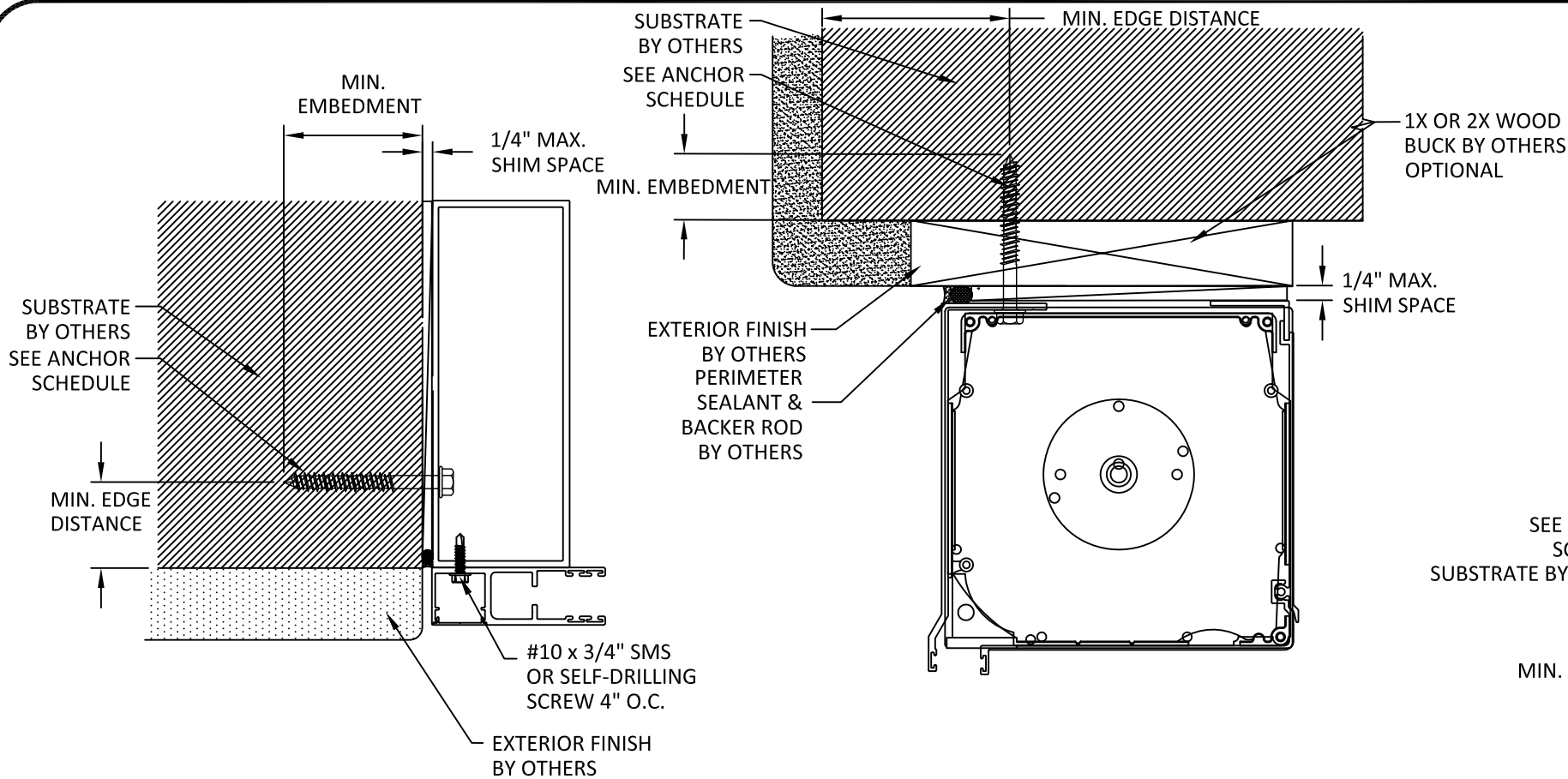
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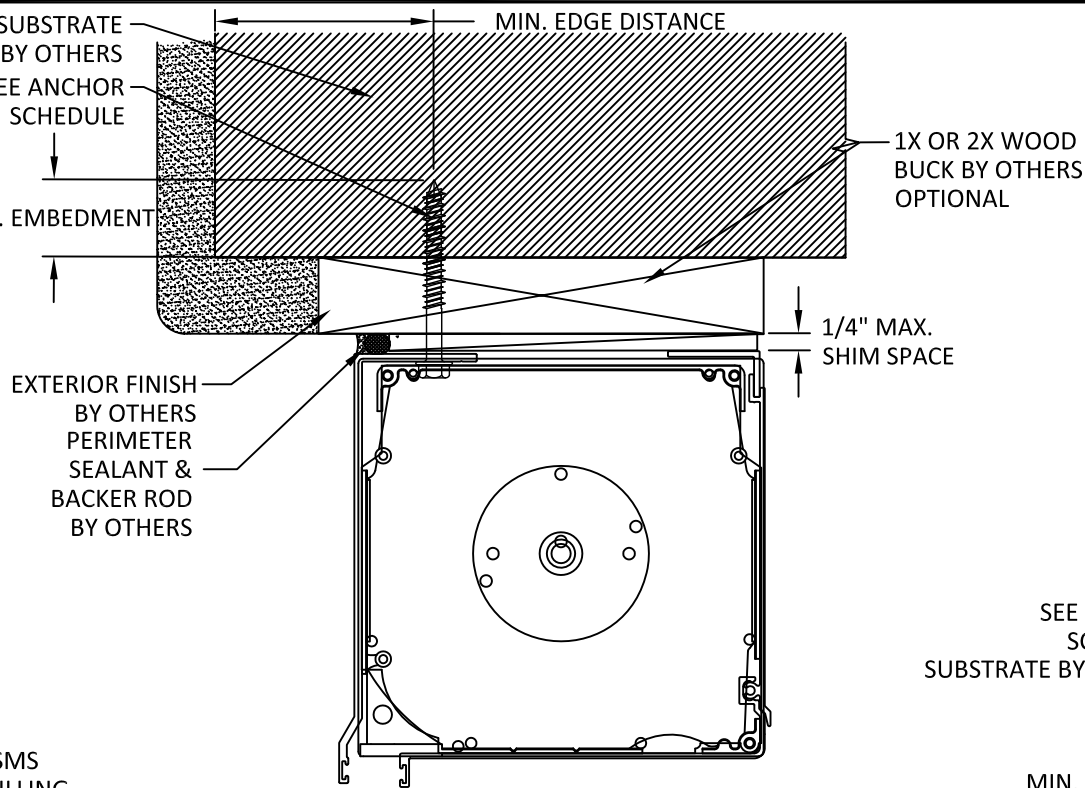


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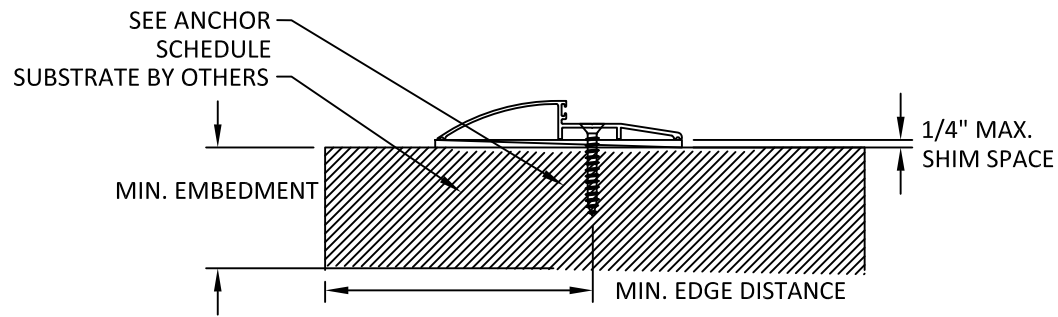
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A
6 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION



B
6 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION



C
6 **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.

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 ULTRA CON (CARBON OR STAINLESS STEEL)	3,500 PSI CONCRETE MIN.	1.75"	2.50"
		GROUT FILLED CMU PER ASTM C-90 W/ MIN. F'C=2000 PSI	1.25"	3.125"



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ANCHOR DETAILS, INSTALLATION
NOTES & ANCHORS SCHEDULE

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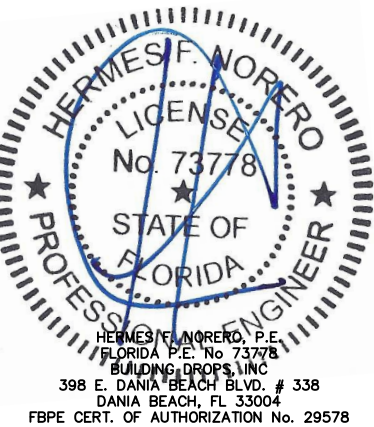
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