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CONDADO WINDOW

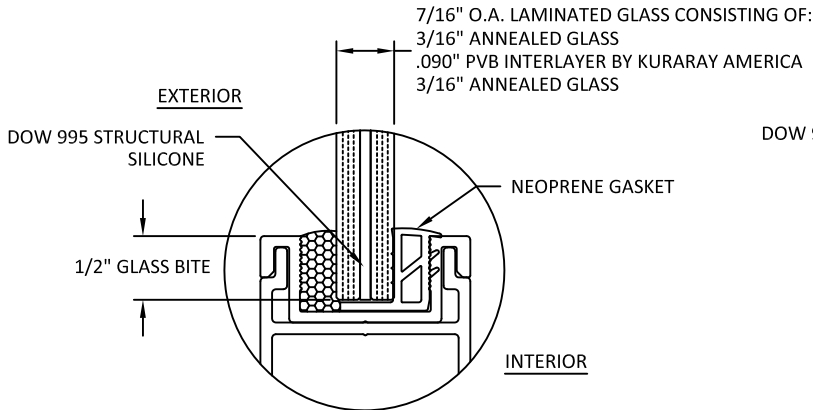
ULTRA 400 SERIES SLIDING GLASS DOOR WITH INTEGRAL SHUTTER (HVHZ) (IMPACT)

GENERAL NOTES:

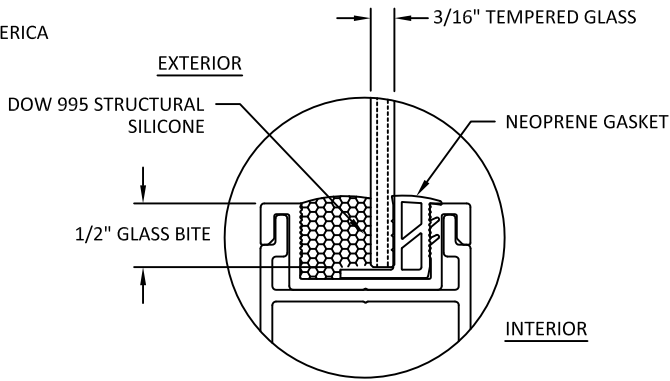
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN 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 FOR WIND ZONE 4 OR LESS OR WITHIN THE HVHZ.
6. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - 6.1. X: OPERABLE PANEL
 - 6.2. 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 DETAILS
10. QUALIFIED CONFIGURATIONS: XX, OX, XO, OXXO

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2	ELEVATION, DP TABLE & ANCHOR LAYOUT
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5	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:
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.



CONDADO WINDOW
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GLASS DOOR WITH INTEGRAL
SHUTTER (HVHZ)(IMPACT)
GENERAL NOTES & GLAZING DETAIL

PREPARED BY:

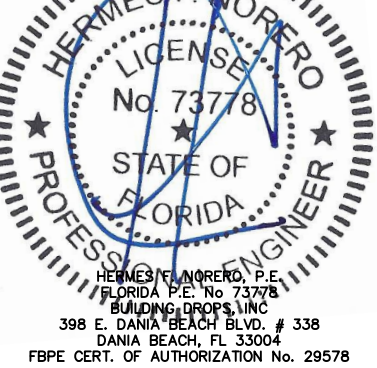
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REMARKS	BY	DATE
GLAZING SEPARATION	SM	4.19.22

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Reason: I am approving this document
Date: 2022.04.28 16:48:50 -0400'



FL #:
FL40556

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DWG. BY: **LL** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **CDW006**

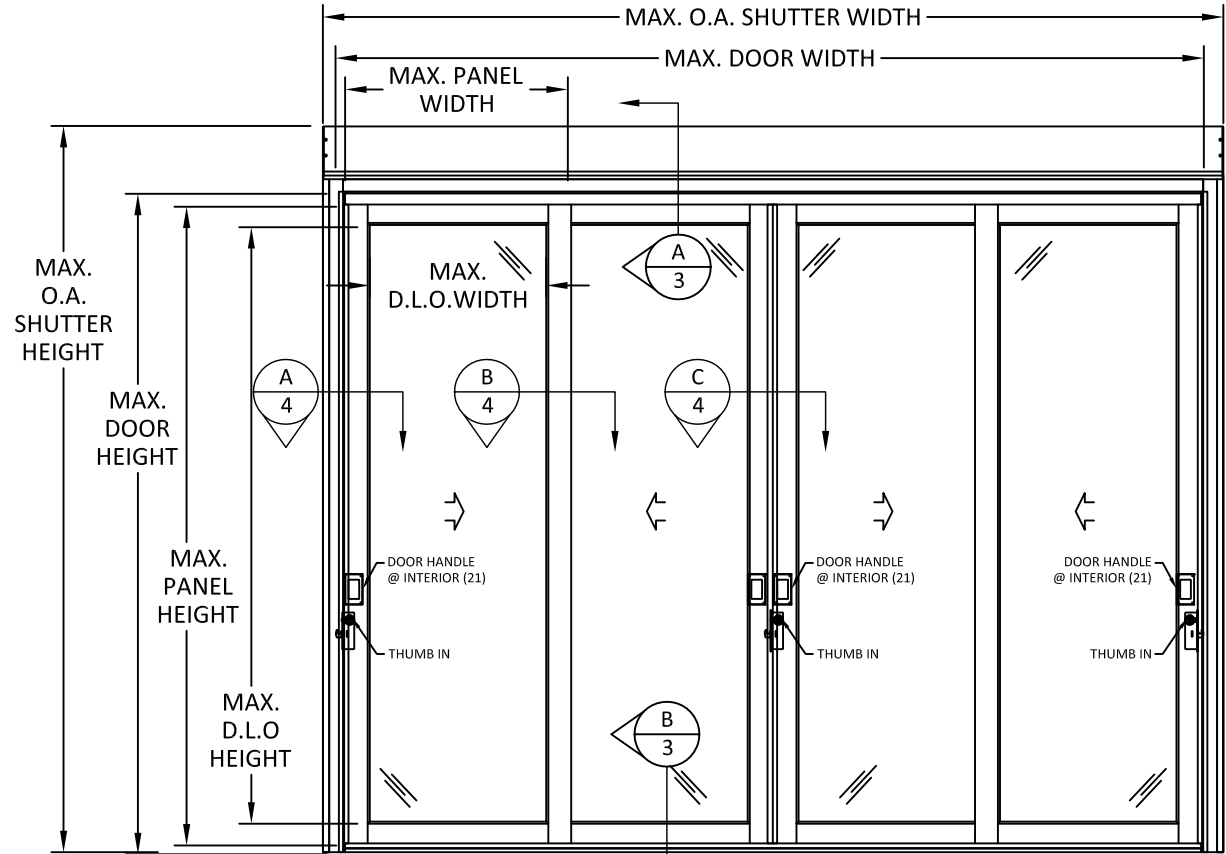
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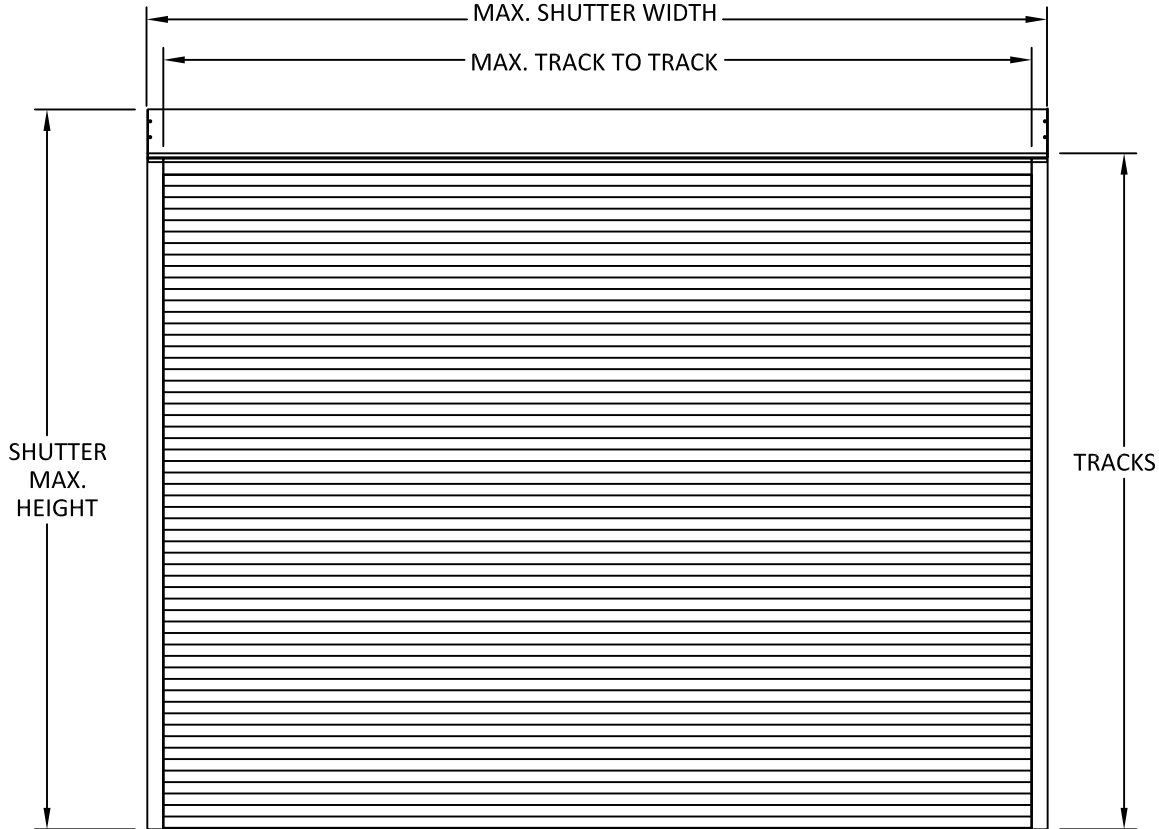


ELEVATION

OUTSWING DOOR W/ SHUTTER ROLLED UP

- SHUTTER FRAME WIDTH DIM = 4 X PANEL WIDTH + 7-1/4"
- SHUTTER FRAME HEIGHT DIM = DOOR HEIGHT + 10-3/4"
- D.L.O WIDTH DIM = PANEL WIDTH - 7-9/16"
- D.L.O HEIGHT DIM = PANEL HEIGHT - 6-7/8"

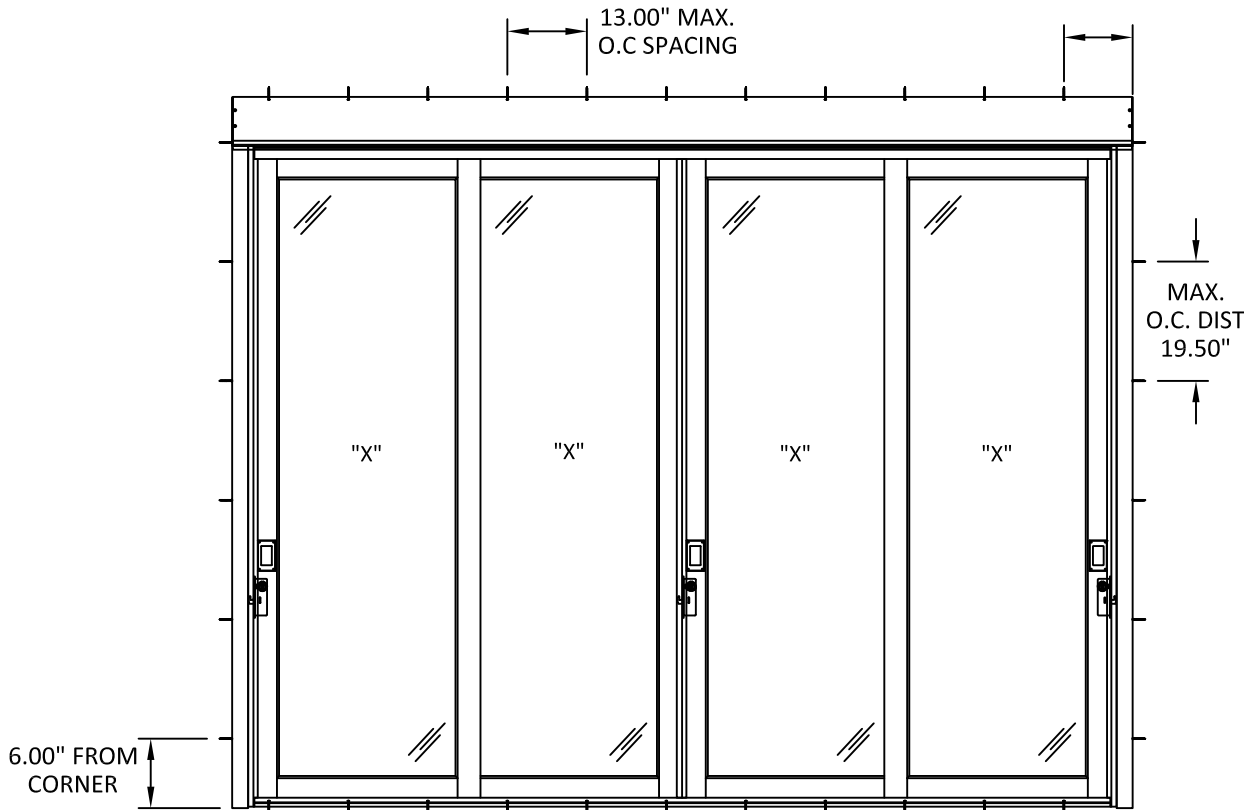
DESIGN PRESSURE TABLE (+/- PSF)		
DOOR HEIGHT (IN.)	PANEL WIDTH (IN.)	DESIGN PRESSURE
108	36	80.0
96	40	72.0
88	44	65.5
80" AND BELOW	48	60.0



ELEVATION

OUTSWING DOOR W/ SHUTTER ROLLED DOWN

8.625" MAX.
FROM CORNER



ANCHOR LAYOUT

OUTSWING DOOR W/ SHUTTER ROLLED UP



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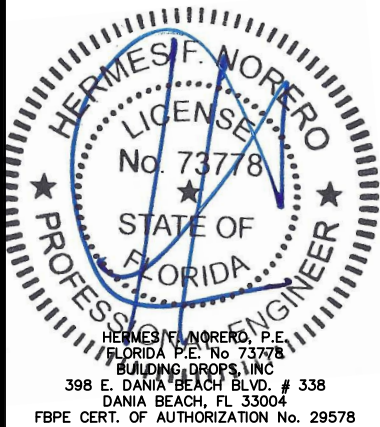
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ELEVATIONS, DP TABLE
& ANCHOR LAYOUT

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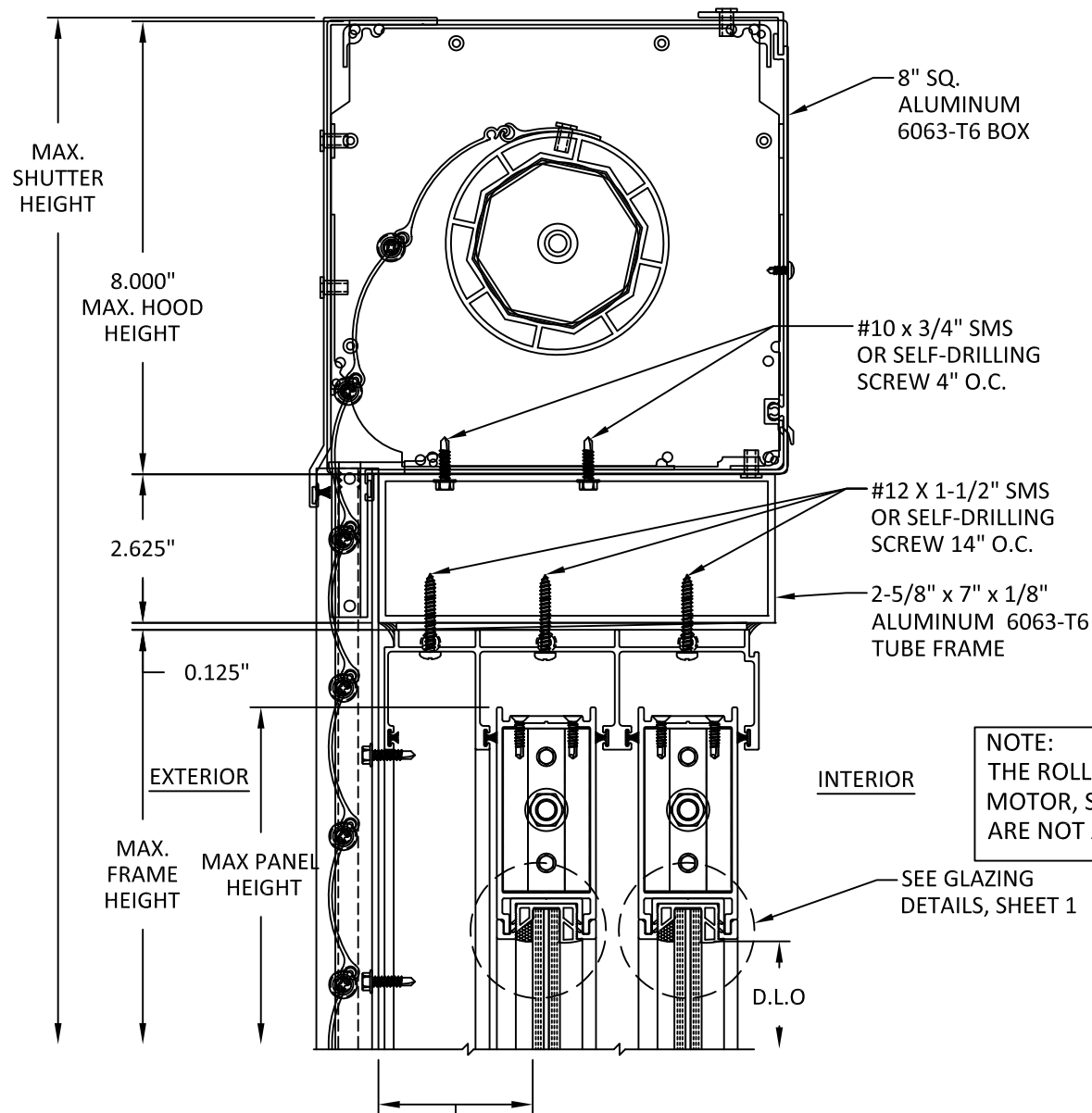
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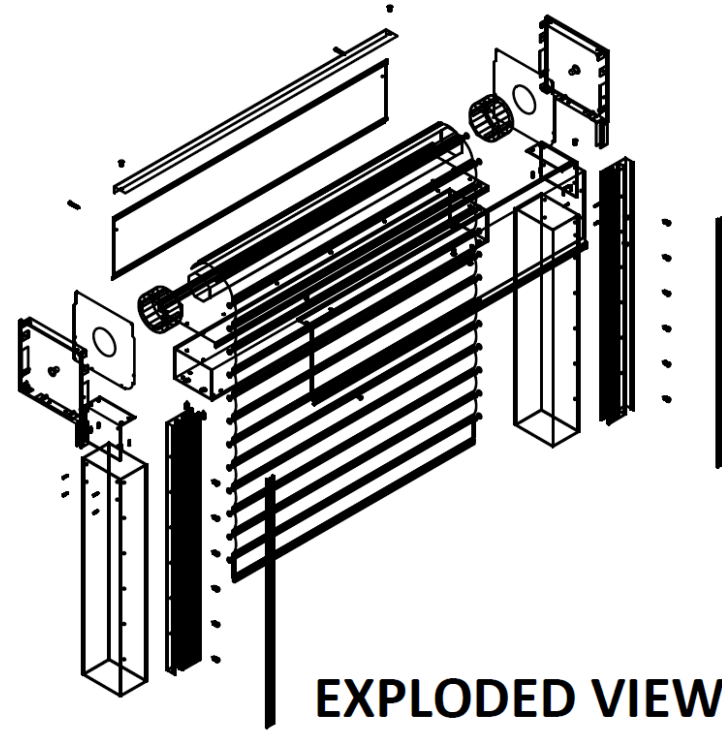


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3

HORIZONTAL SECTION

HEAD DETAIL

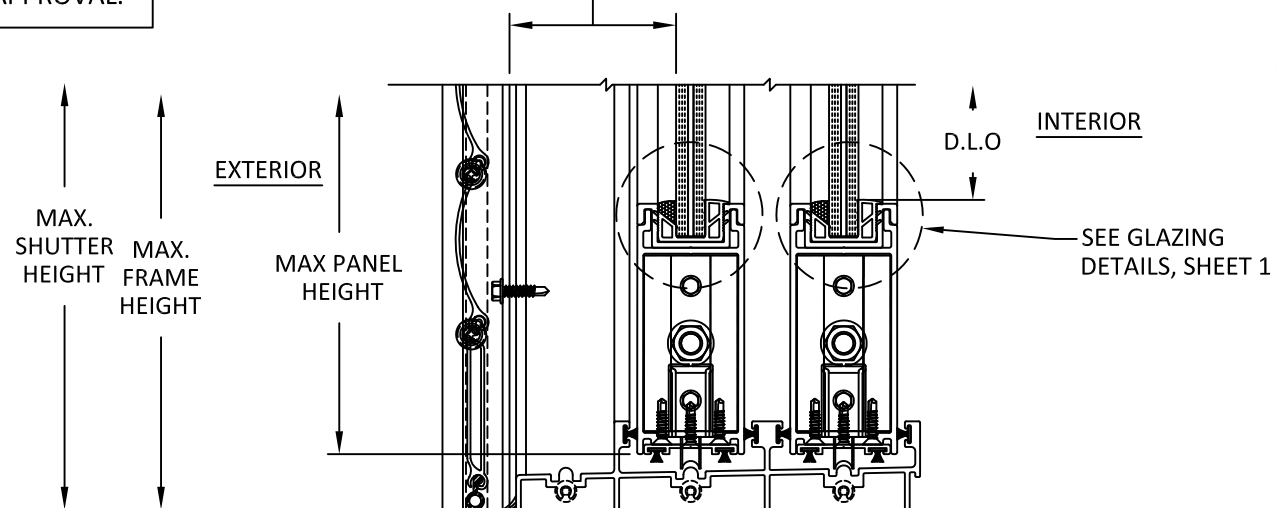
WHEN USING GLAZING DETAIL 2, 6" MINIMUM GLASS SEPARATION REQUIRED OR AS PERMITTED BY ROLL DOWN SYSTEM UNDER SEPARATE APPROVAL. REFER TO MANUFACTURER SPECIFICATIONS FOR ALTERNATE CONFIGURATIONS AND SIZING.



SHUTTER ASSEMBLY

SHUTTER ASSEMBLY

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
3

HORIZONTAL SECTION

SILL DETAIL



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HORIZONTAL SECTIONS

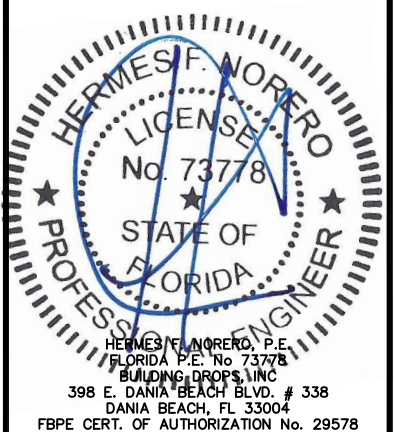
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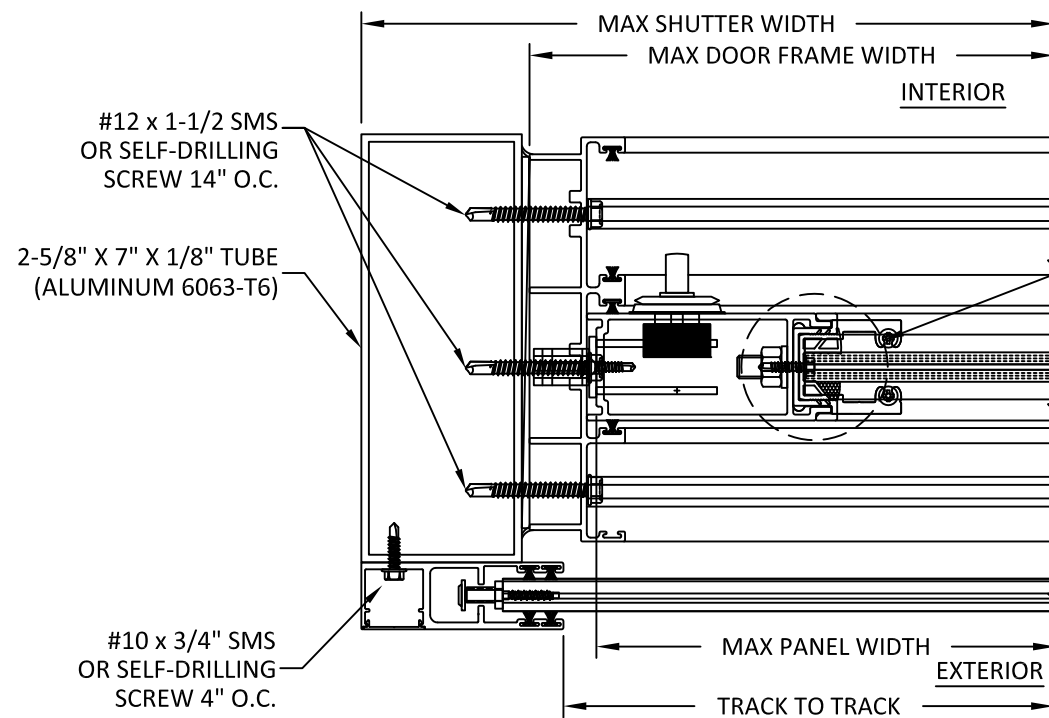
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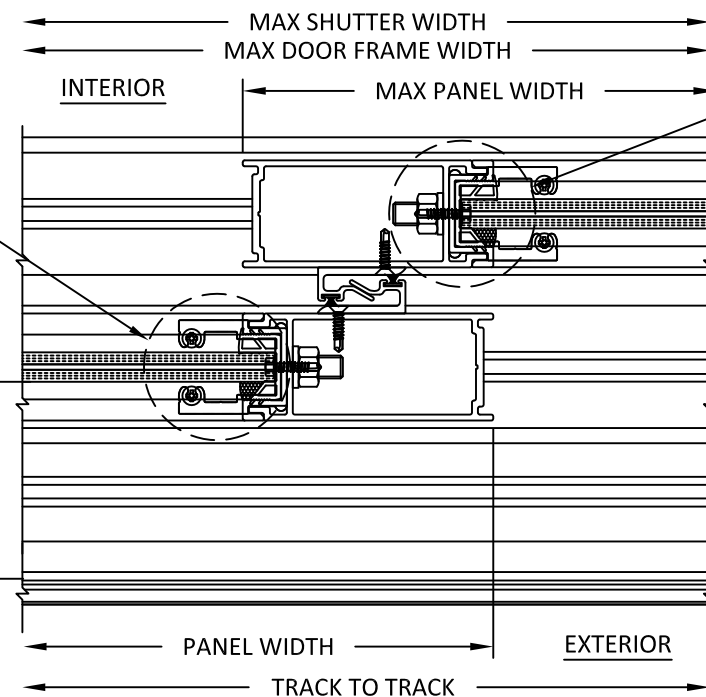
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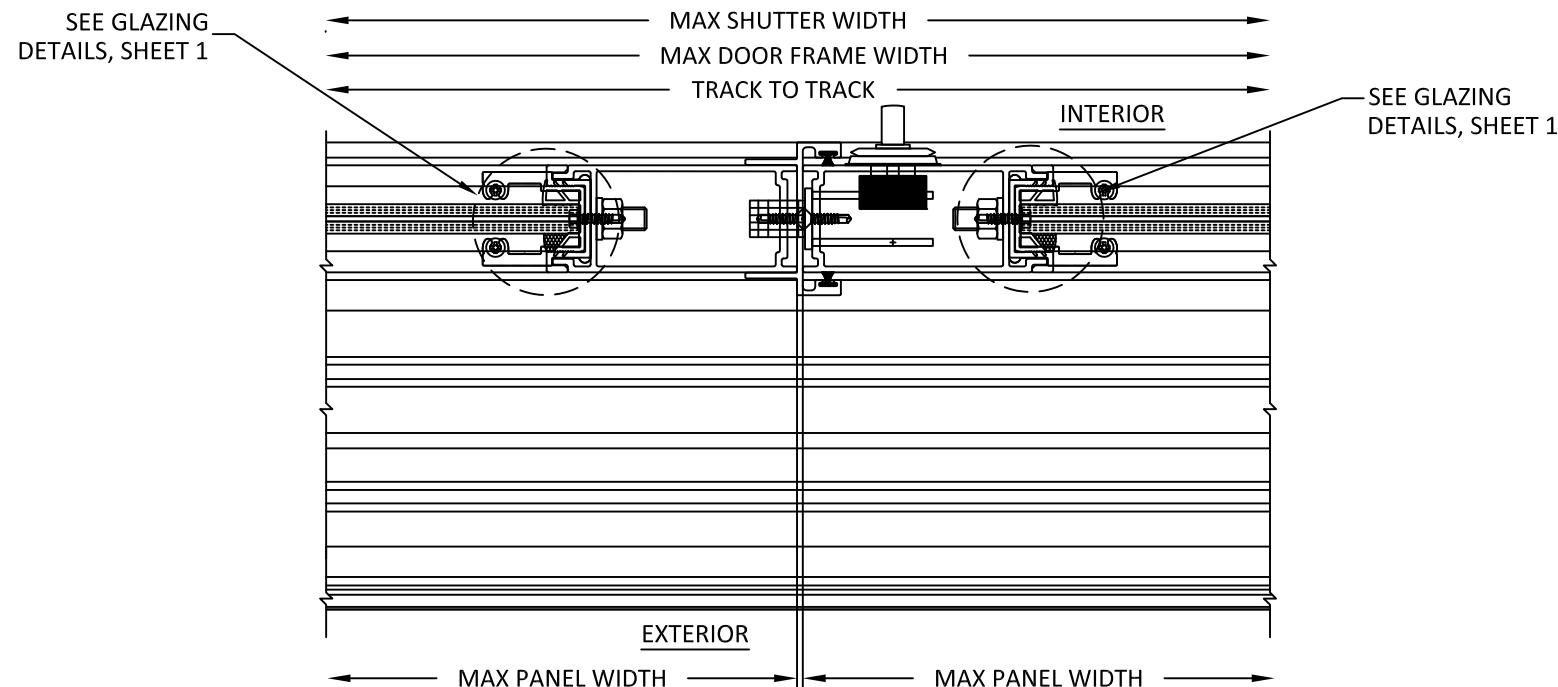
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A
4 HORIZONTAL SECTION
JAMB DETAIL



B
4 HORIZONTAL SECTION
INTERLOCK DETAIL



C
4 HORIZONTAL SECTION
MEETING STILES DETAIL



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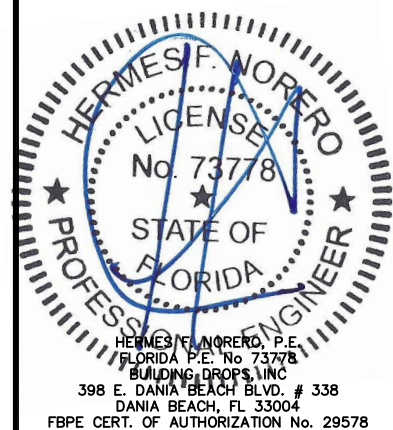
VERTICAL SECTIONS

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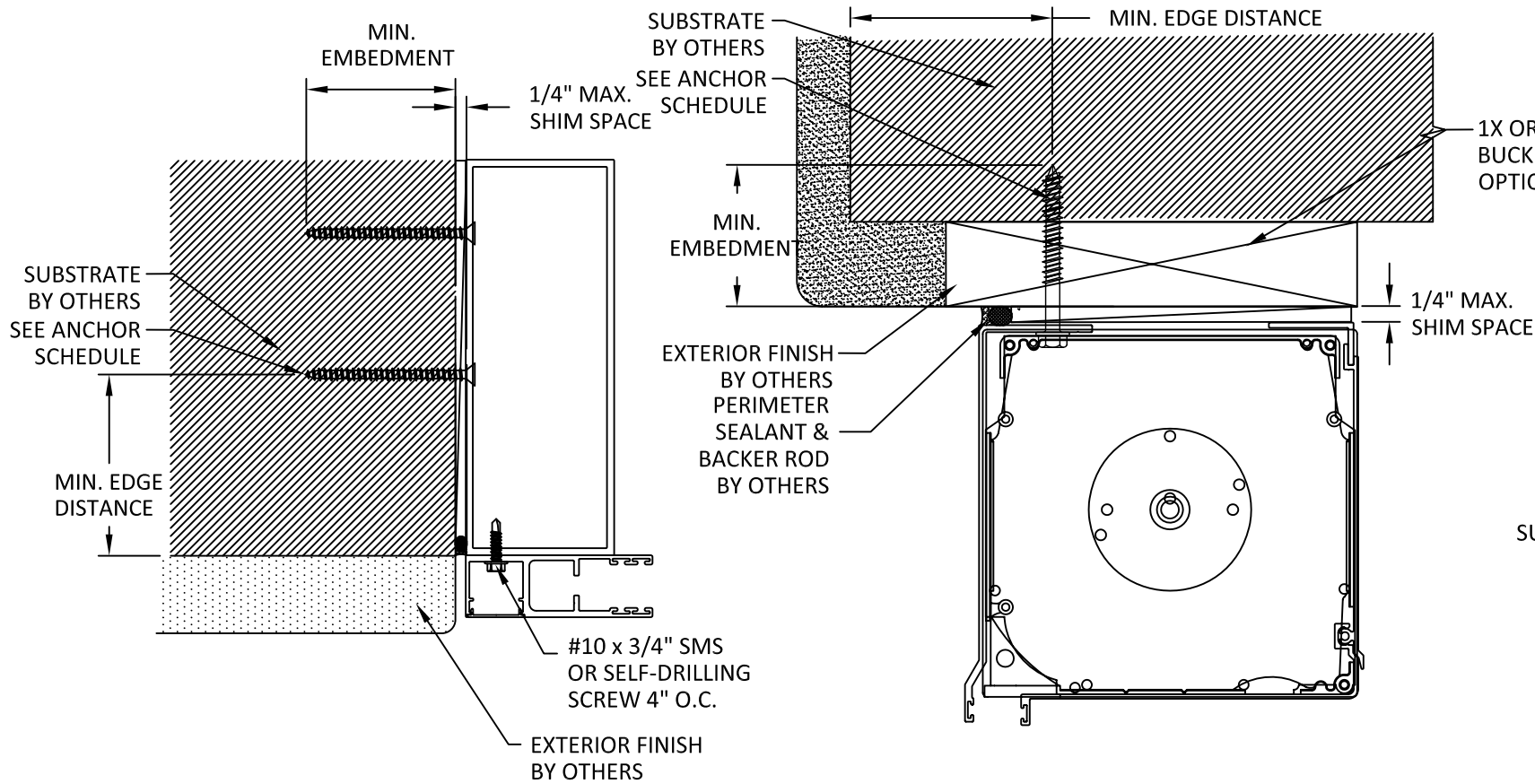
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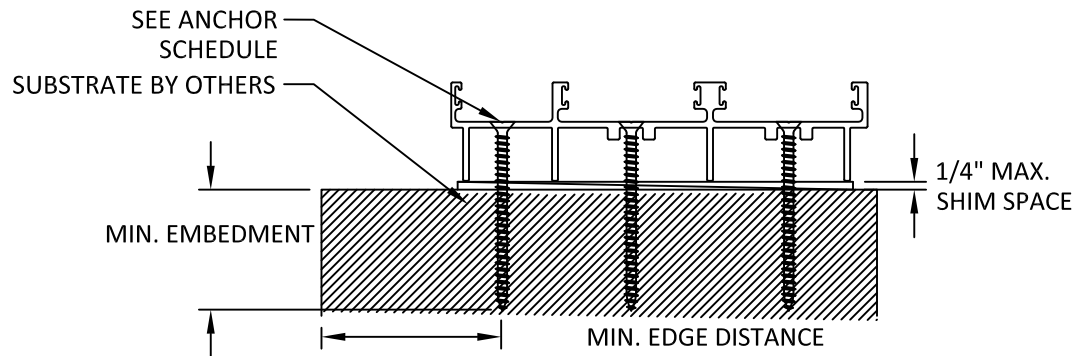
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A
5 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION

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.

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.	1.75"	2.50"
		GROUT FILLED CMU PER ASTM C-90 W/ MIN. F'C=2000 PSI	1.25"	3.125"



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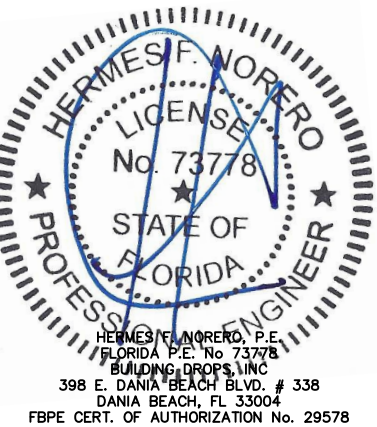
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