

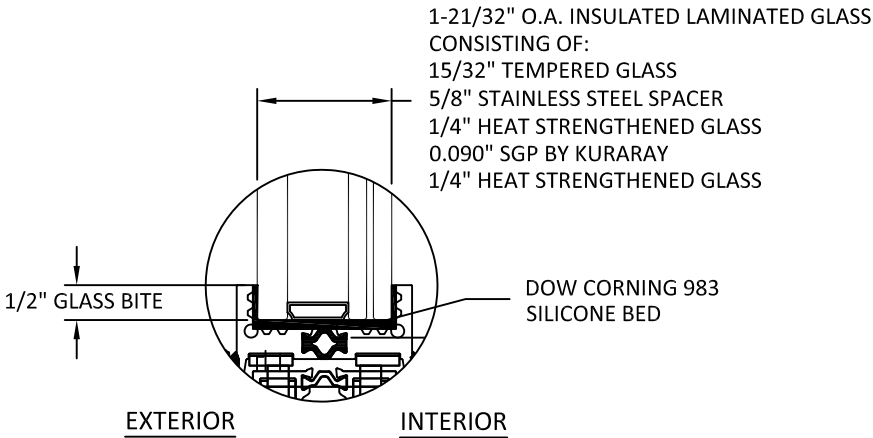
PANDA WINDOWS AND DOORS

TS.X0 SLIDING GLASS DOOR

(WZ3) (IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E283-04(12)
 - ASTM E330-14
 - ASTM E331-00(09)
 - ASTM E1886-13a
 - ASTM E1996-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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** TO PROTECT THIS PRODUCT IN WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN WIND ZONE 4.
- DOOR FRAME MATERIAL: *EXTRUDED ALUMINUM (6063-T5).*
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL



GLAZING DETAIL 1

GLAZING NOTES:

- GLASS TYPE AND 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.
- DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.

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

DESIGN PRESSURE RATING		
MAX. UNIT DIMENSIONS	DESIGN PRESSURE	MISSILE IMPACT RATING
113-1/2" X 113-3/8"	+86/-125 PSF	LARGE AND SMALL MISSILE IMPACT



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TITLE:
TS.X0 SLIDING GLASS DOOR
(WZ3) (IMPACT)

GENERAL NOTES & GLAZING DETAIL

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

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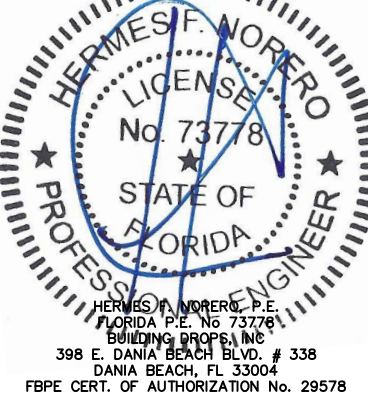
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.10.19 11:26:23 -04'00'



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DATE: **09.23.22**

DWG. BY:
MS

CHK. BY:
HFN

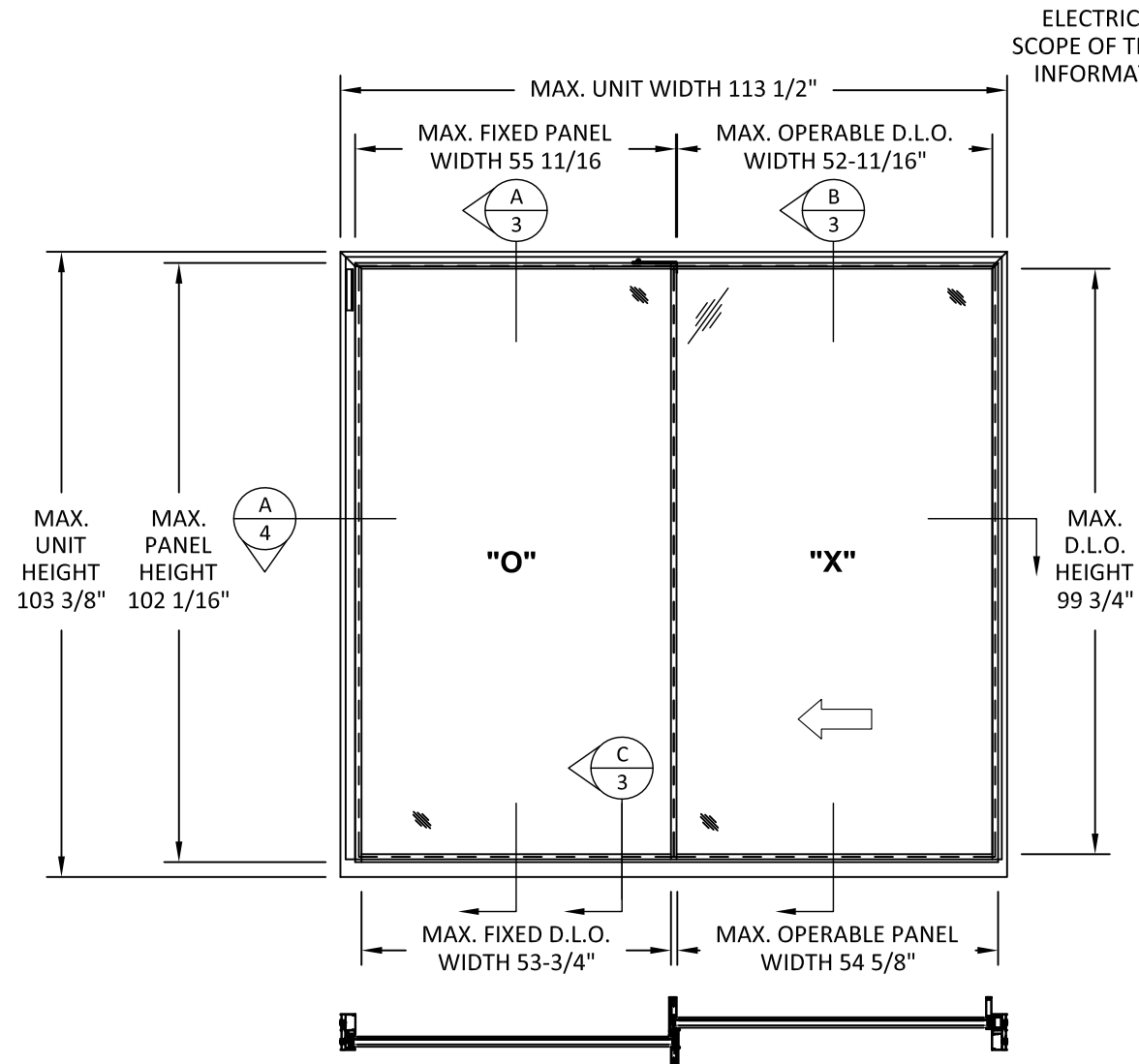
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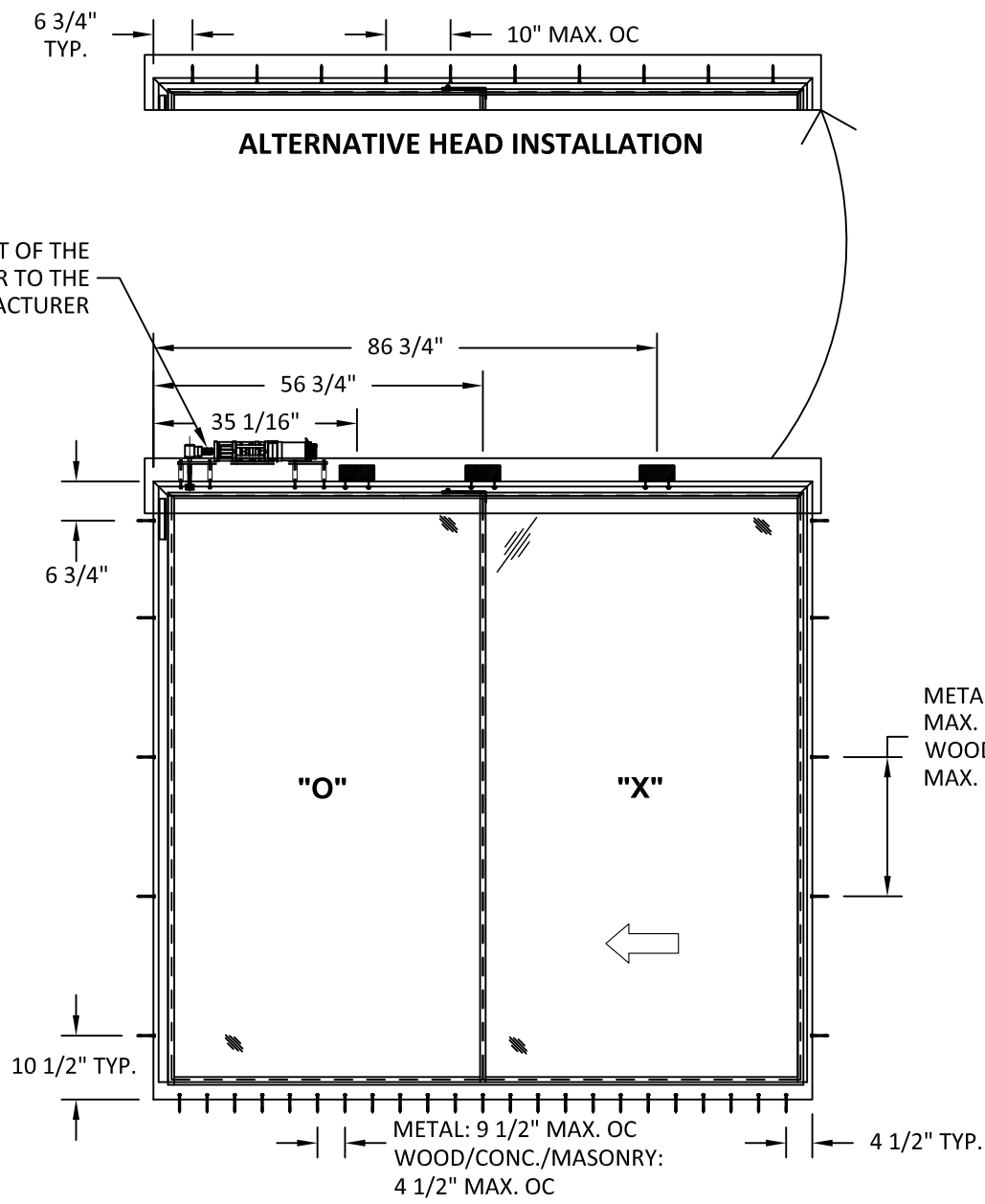
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OF 5



TYPICAL ELEVATION
"OX" SLIDING GLASS DOOR

ELECTRICAL MOTOR NOT PART OF THE SCOPE OF THIS APPROVAL, REFER TO THE INFORMATION FROM MANUFACTURER



ANCHOR LAYOUT
"OX" SLIDING GLASS DOOR

ALTERNATIVE HEAD INSTALLATION

METAL:
MAX. 24" OC
WOOD/CONC./MASONRY:
MAX. 16" OC



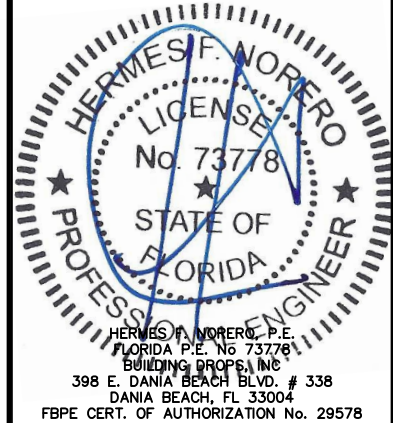
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ELEVATION AND ANCHOR LAYOUT

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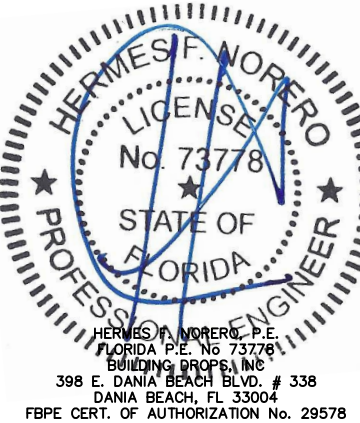
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VERTICAL SECTIONS

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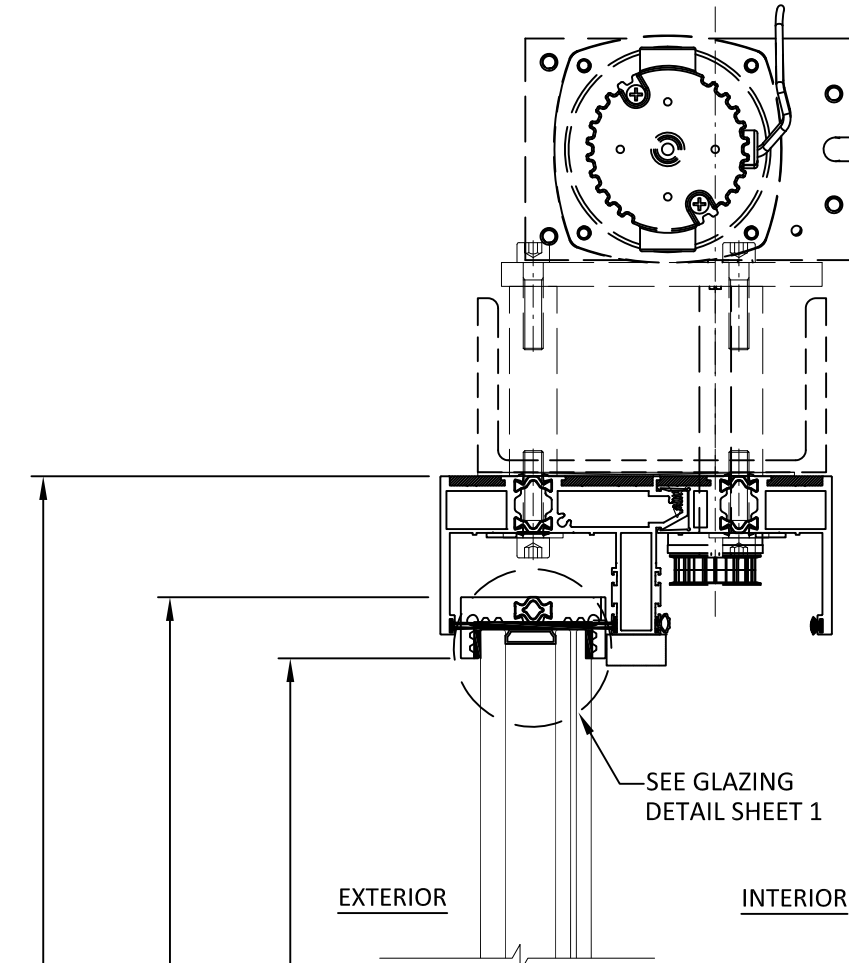
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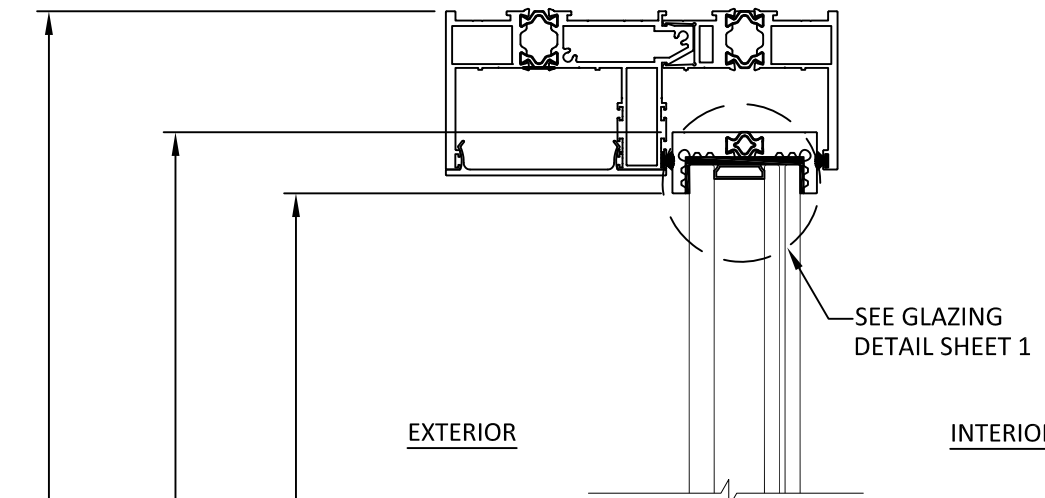
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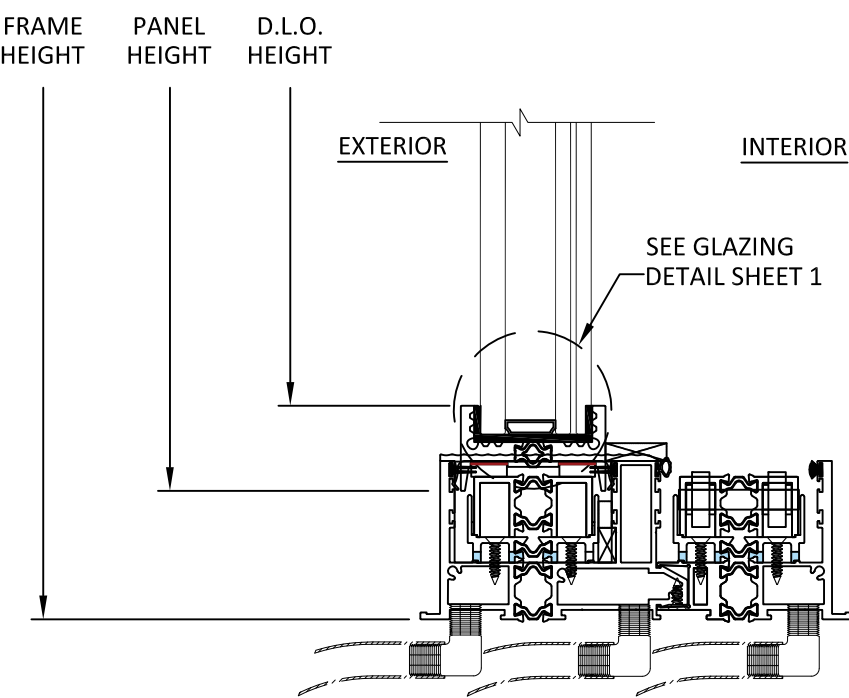
ELECTRICAL MOTOR NOT PART OF THE SCOPE OF THIS APPROVAL, REFER TO THE INFORMATION FROM MANUFACTURER



A
3 VERTICAL SECTION
FIXED PANEL
W/ K2 MOTOR



B
3 VERTICAL SECTION
OPERABLE PANEL



C
3 VERTICAL SECTION
SILL WITHOUT WATER DRAINAGE

SECTION C/3 ONLY FOR USE AT LOCATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.



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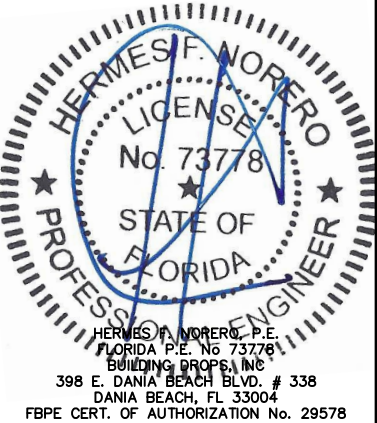
HORIZONTAL SECTIONS

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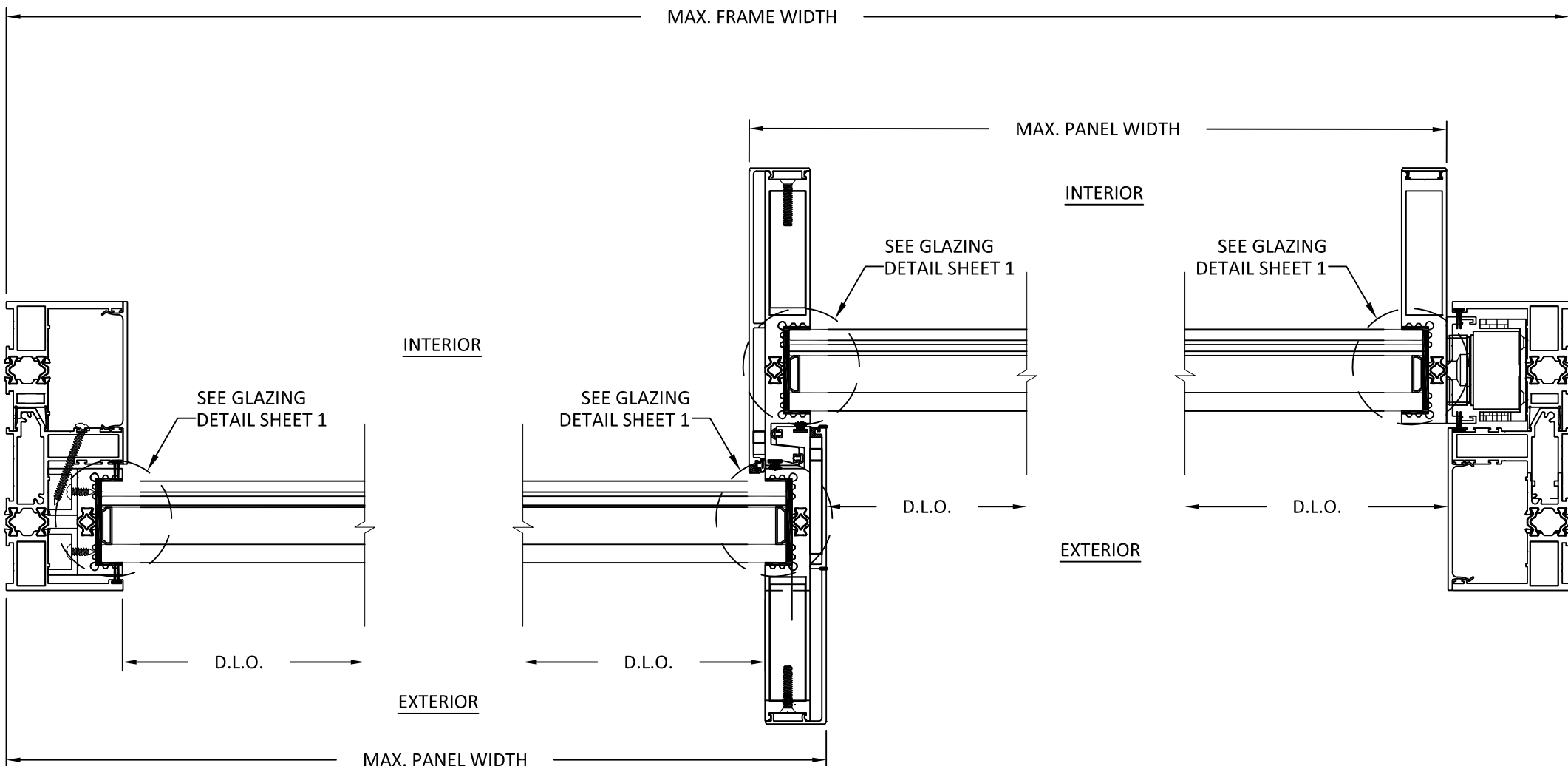
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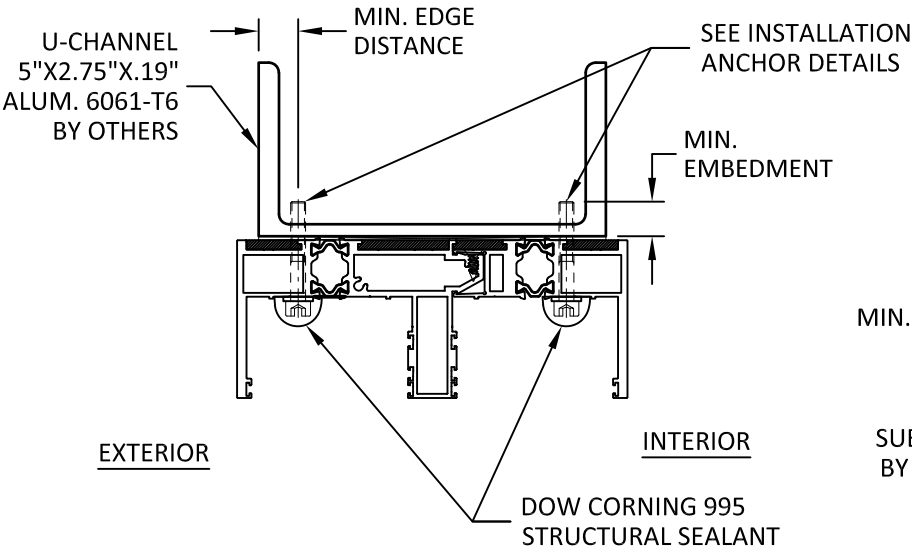
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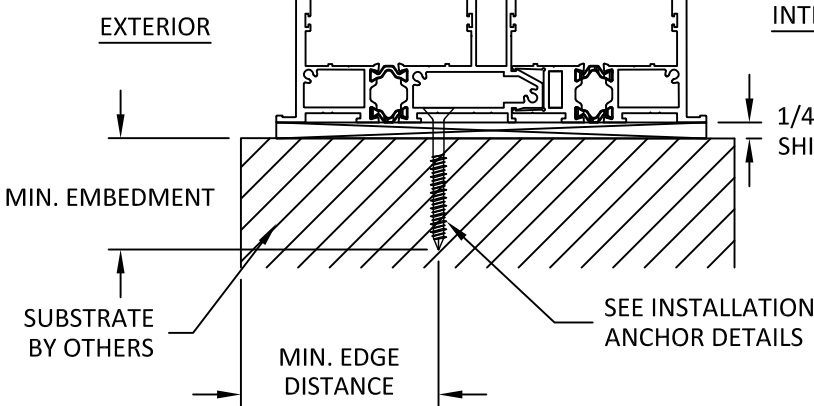
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4 HORIZONTAL SECTION
SLIDING GLASS DOOR

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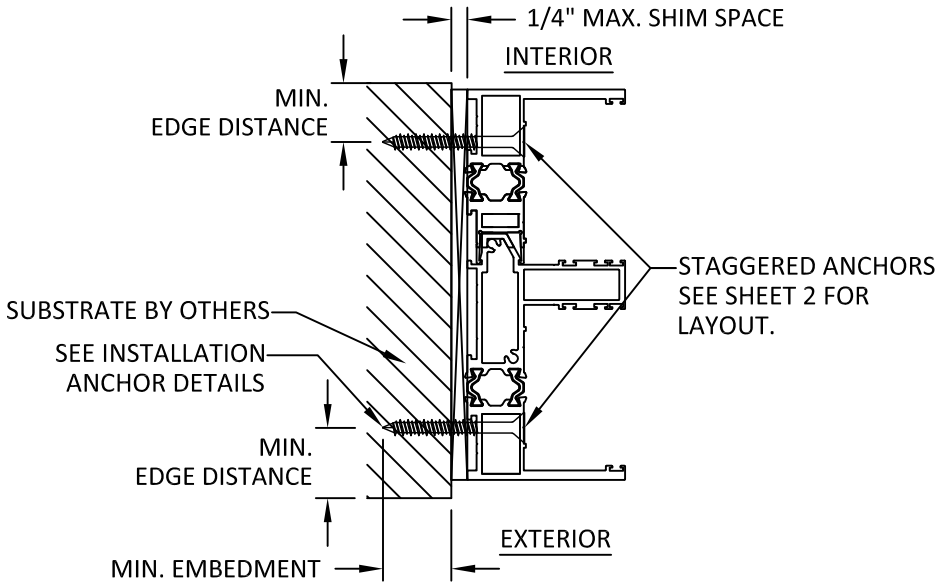
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A
5 **ANCHOR DETAIL**
MOTORIZED UNIT (HEAD)
TWO TRACKS



B
5 **ANCHOR DETAIL**
THROUGH FRAME (SILL)
TWO TRACKS



JAMB SHOWN, NON-MOTORIZED HEAD SIMILAR.

C
5 **ANCHOR DETAIL**
THROUGH FRAME (JAMB)
TWO TRACKS

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT HEAD/JAMB LOCATION SHOWN. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT SILL LOCATIONS SHOWN.
- 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 1/4 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, 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				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH MOTORIZED HEAD	0.19" THICK 6061-T6 ALUMINUM	1/4-20 SELF-DRILLING OR SELF-TAPPING	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
THROUGH FRAME HEAD/JAMB/SILL	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.5"	1"
	MIN. 18 GAUGE STEEL, (MIN. Fy = 33 KSI). OR MIN. 1/8" THICK 6063-T5 ALUMINUM	1/4-20 SELF-DRILLING OR SELF-TAPPING	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.25"	1.50"
	MASONRY: CMU per ASTM C90	1/4" ITW TAPCON	1.25"	2.75"



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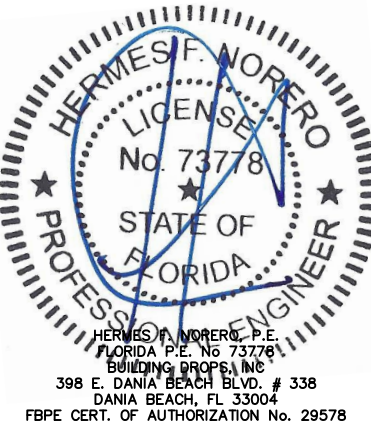


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OF 5