

BROMBAL ITALY

FARO SERIES OUTSWING DOOR

(HVHZ) (IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 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 ±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). MAXIMUM ALLOWABLE SHIM STACK TO BE 13/16 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH METAL STUD USE 1/4 INCH DIAMETER SELF-DRILLING SCREWS, GR. 5 OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
- INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING DOORS AND ACCESSORY ITEMS.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - ASTM E-1886-13
 - ASTM E1996-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING 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** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL:
 - BRASS (MIN. Fy = 29 KSI, MIN. Fu = 50 KSI)
 - STEEL/PAINTED STEEL (MIN. Fy = 31 KSI, MIN. Fu = 72 KSI)
 - COR-TEN STEEL (MIN. Fy = 51 KSI, MIN. Fu = 74 KSI)
 - STAINLESS STEEL (MIN. Fy = 31 KSI, MIN. Fu = 76 KSI)
- DOOR HARDWARE: SAVIO 1557 ALUMINUM ACTION LEVER BOLTS, AC2648 CREMONE BOLT ROD BAR SET (GRAZ), STEEL SAP FIVE POINT LOCKING SYSTEM, AND STAINLESS STEEL BURGLARY DEVICE.
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAIL.
- GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CHAPTER 24 OF CURRENT FBC.
- GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FLORIDA BUILDING CODE.

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8	ALTERNATE ANCHORAGE DETAILS

DOOR DESIGN PRESSURE TABLE			
MAX. OVERALL SIZE	CONFIGURATION	MAX. DP	IMPACT RATING
72" X 96"	XX	+/-60 PSF	LMI
72" X 96"	XX (ARCH TOP)	+/-55 PSF	LMI
36" X 96"	X (ARCH TOP)	+/-55 PSF	LMI
36" X 96"	X	+/-60 PSF	LMI

NOTE:
1. LMI - LARGE MISSILE IMPACT RATED

BROMBAL
LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: BROMBAL ITALY FARO SERIES
OUTSWING DOOR
(HVHZ) (IMPACT)

INSTALLATION & GENERAL NOTES

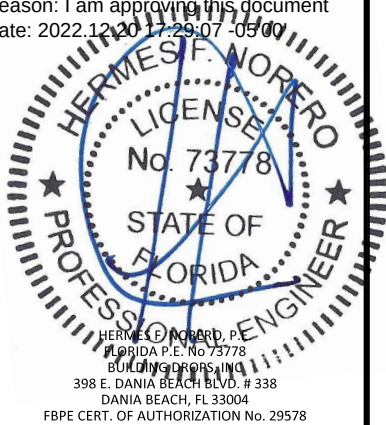
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
FBC UPDATES	SM	08/21
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.12.20 17:29:07 -0500



FL #:

FL21061

DATE: 06.28.16

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LMS

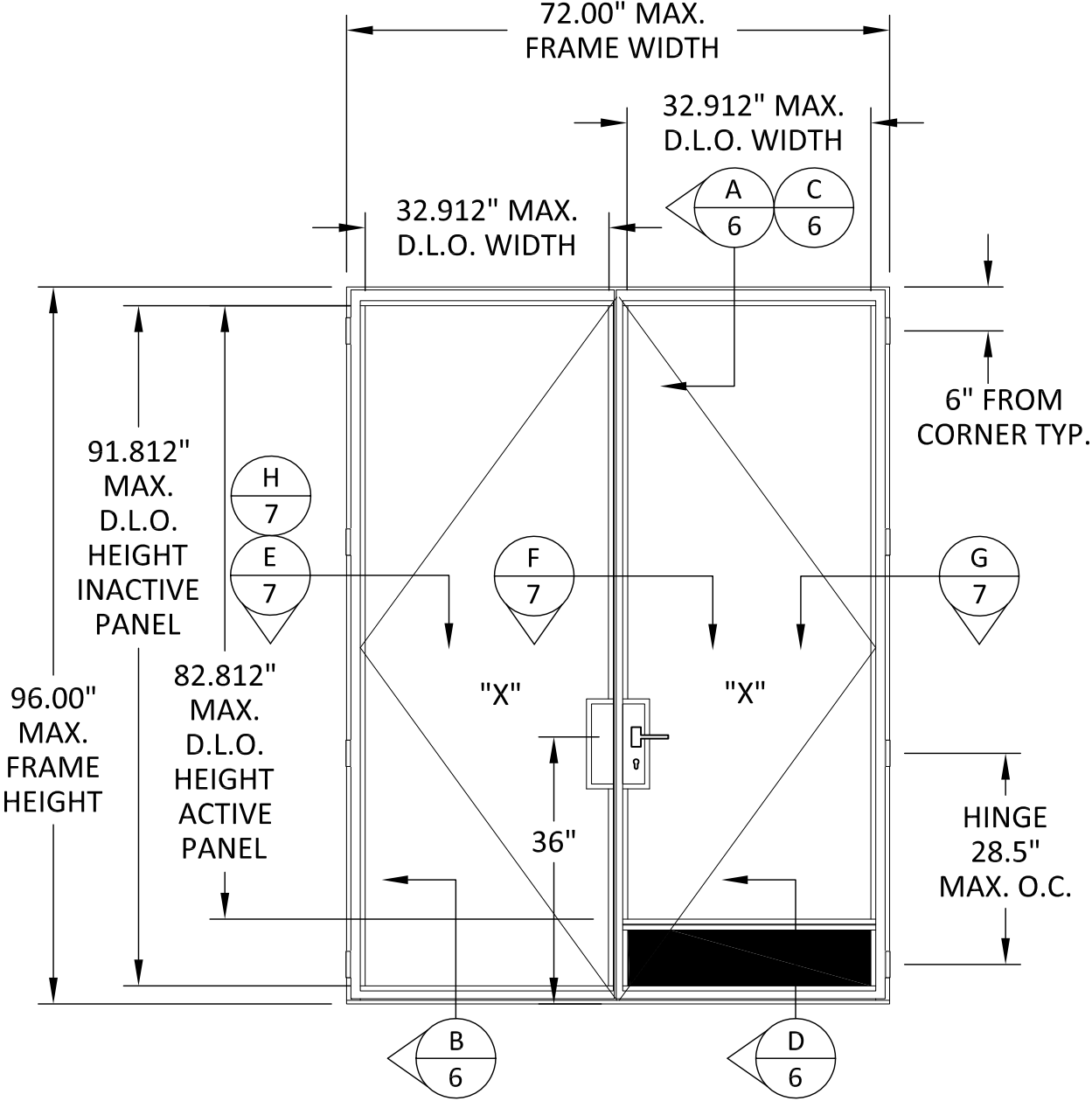
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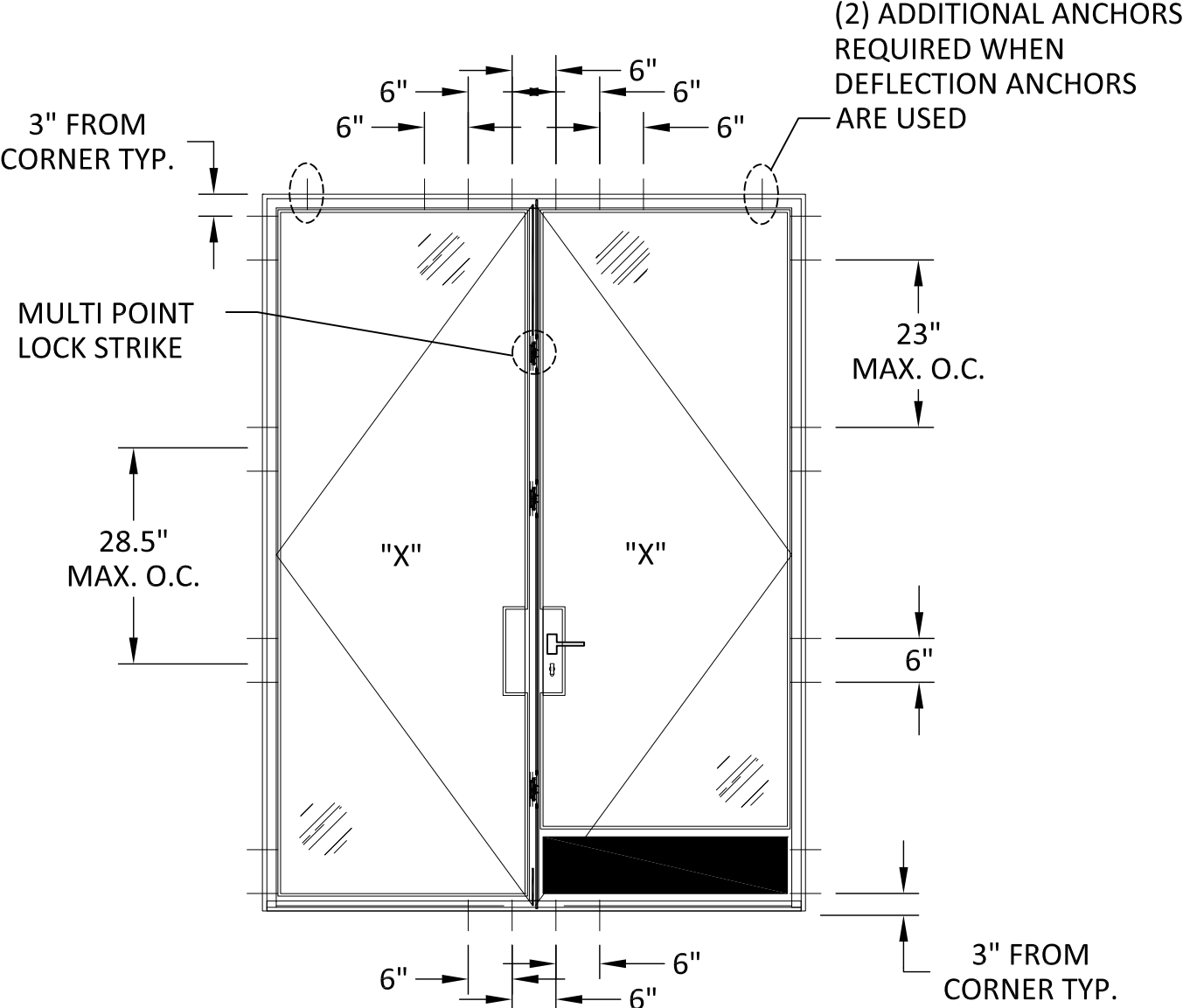
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1



ELEVATION
OUTSWING TWIN DOOR



ANCHOR LAYOUT
OUTSWING TWIN DOOR

NOTE: THROUGH FRAME, ANCHOR STRAP, OR DEFLECTION ANCHOR (HEAD ONLY) INSTALLATION SHOWN ABOVE. REFER TO SHEET 8 FOR NAIL FIN NSTALLATION ANCHOR LAYOUT.

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LUXURY METAL WINDOWS AND DOORS

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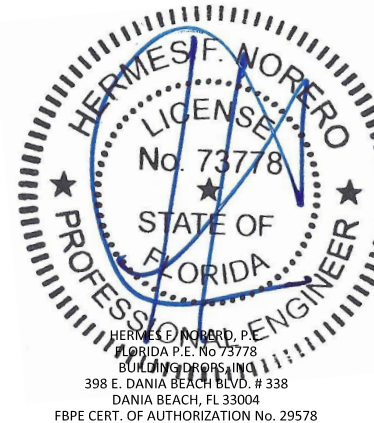
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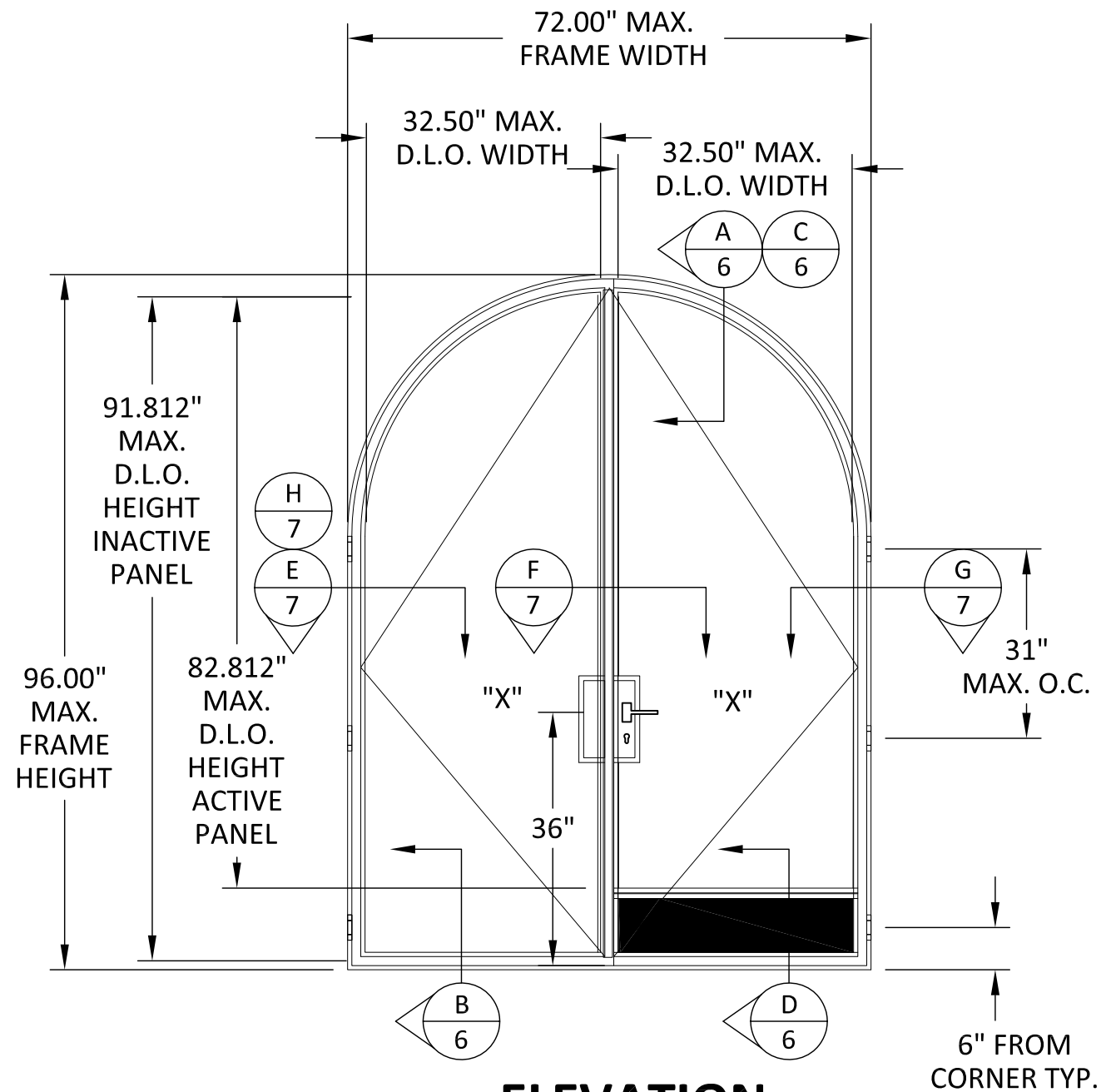
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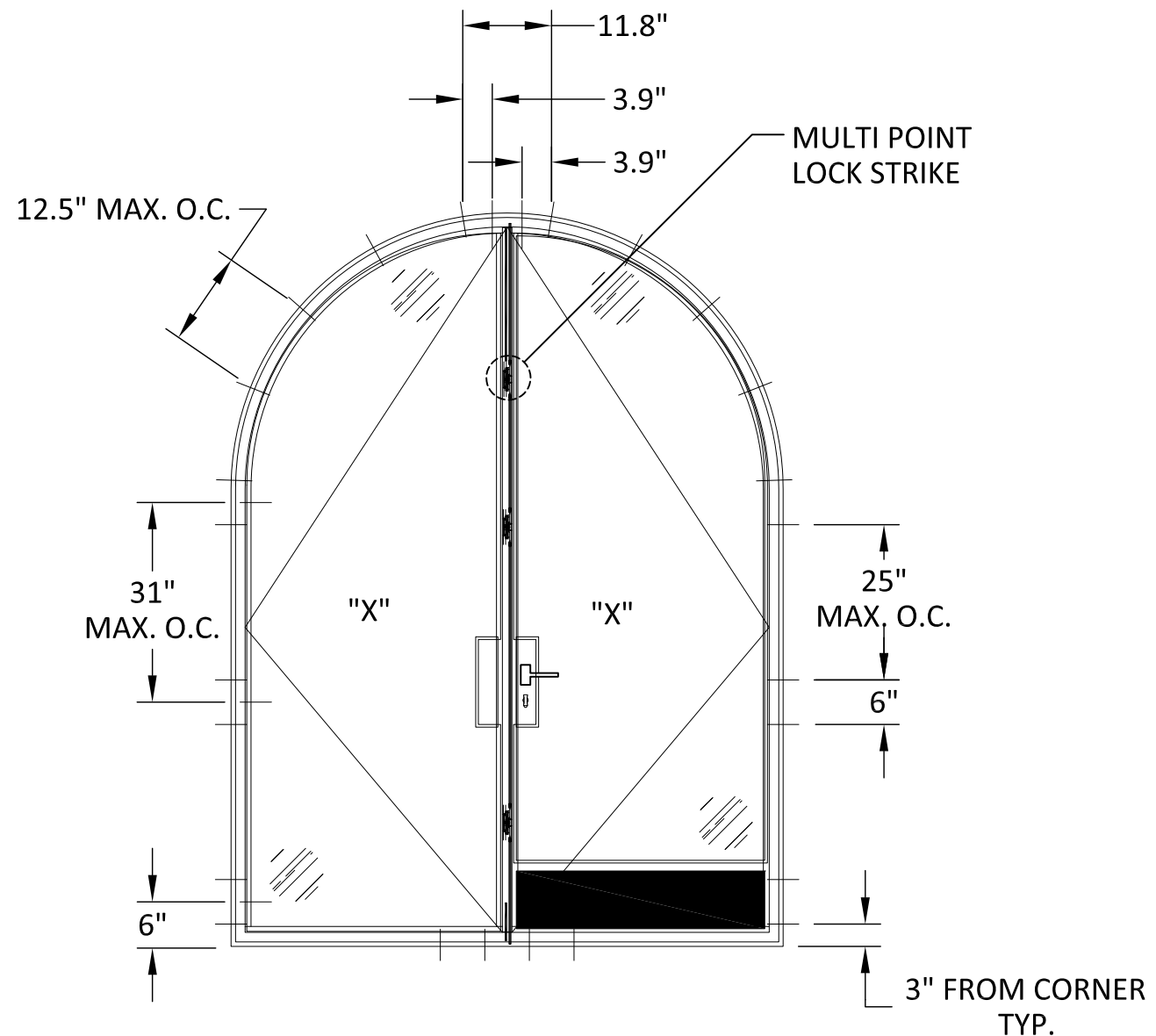
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s:\projects\brombal usa\fb-21-0632 - fbc submittal - f18655 french casement, f121061 french door, f121195 lift and slide.dwg (f121061 os2 swing door)brb004.dwg



ELEVATION
OUTSWING ARCHED TWIN DOOR



ANCHOR LAYOUT
OUTSWING ARCHED TWIN DOOR

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BROMBAL
LUXURY METAL WINDOWS AND DOORS

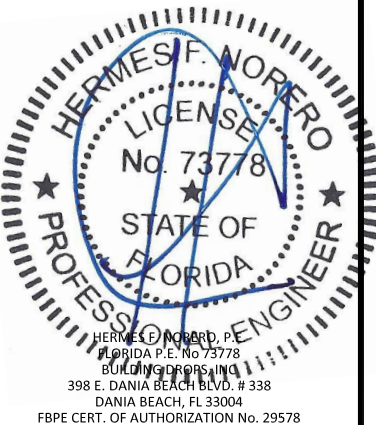
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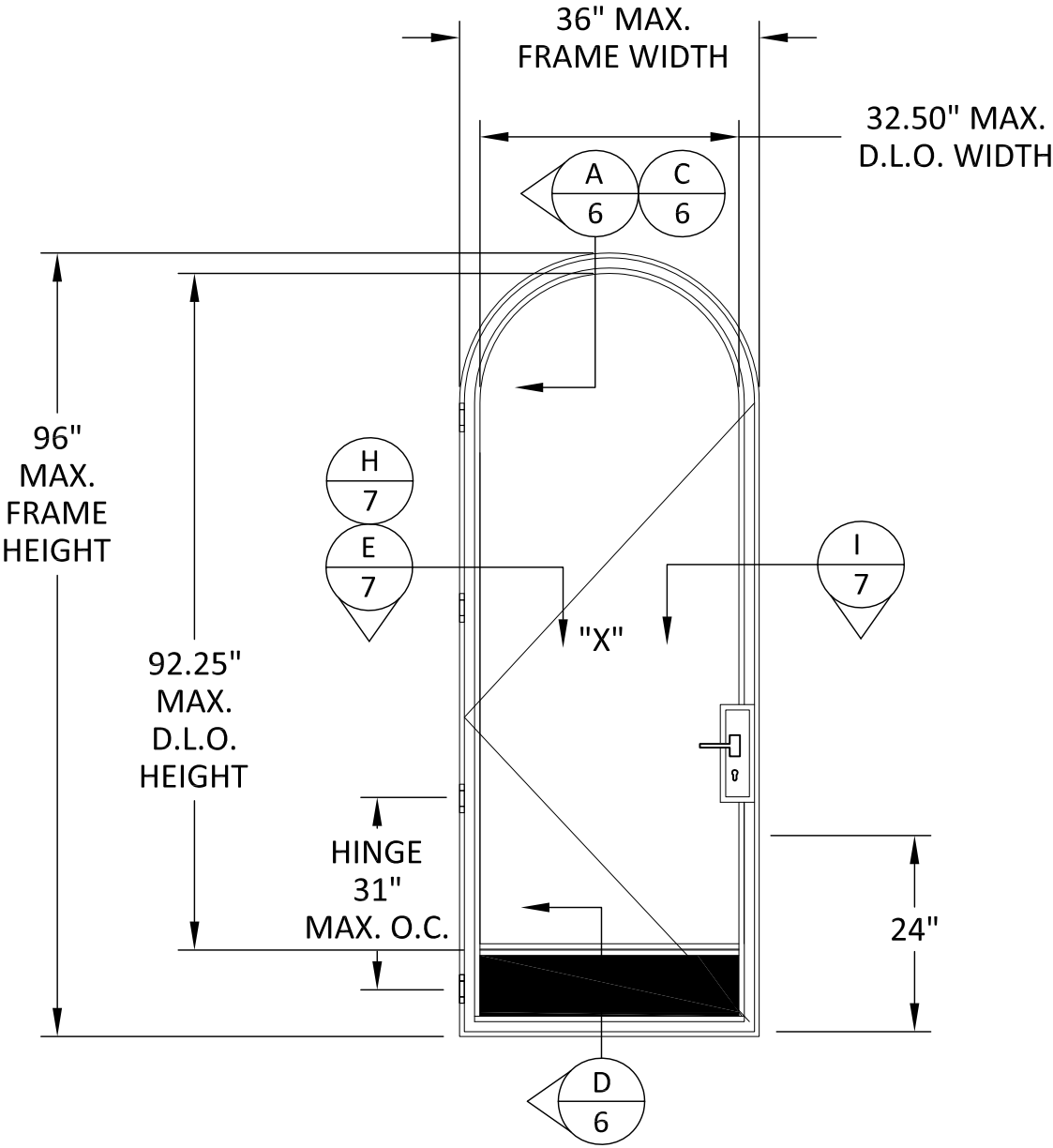
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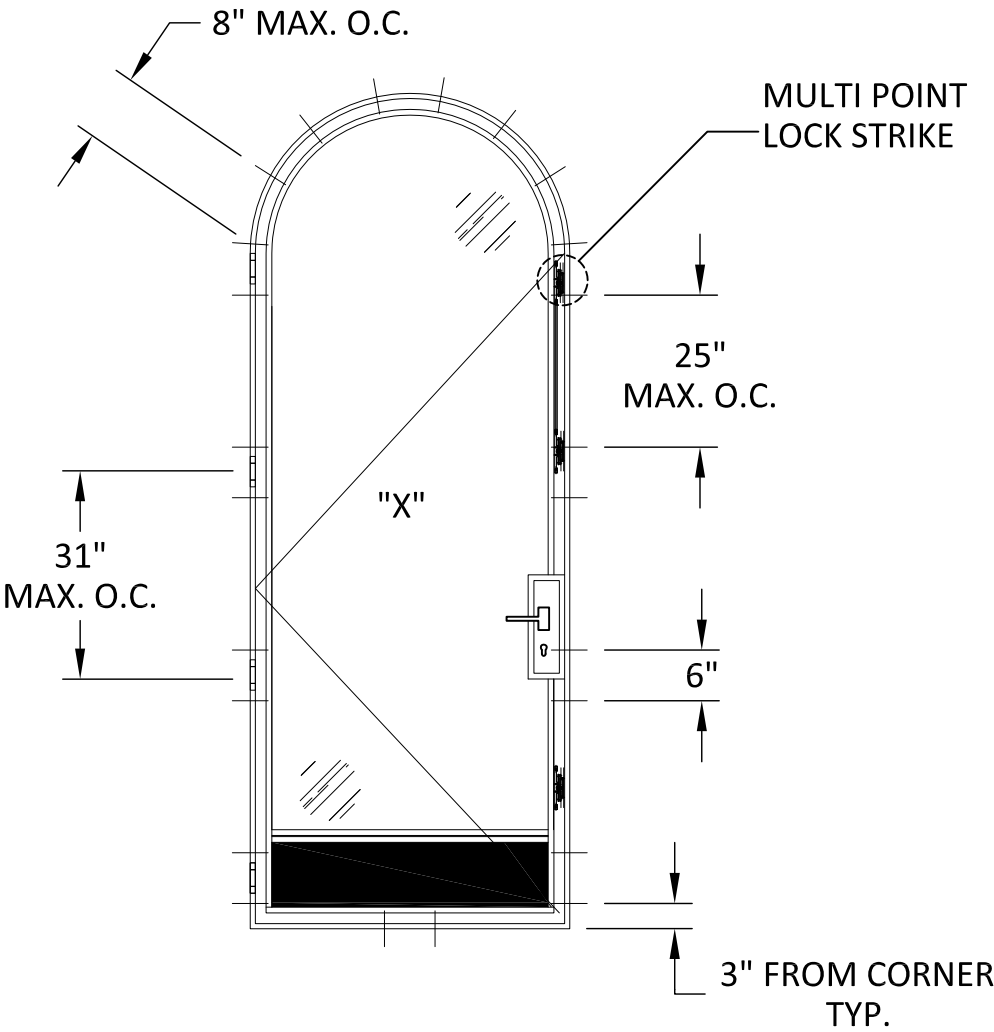
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ELEVATION
OUTSWING ARCHED SINGLE DOOR



ANCHOR LAYOUT
OUTSWING ARCHED SINGLE DOOR

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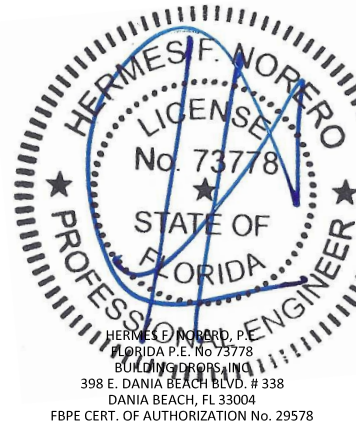
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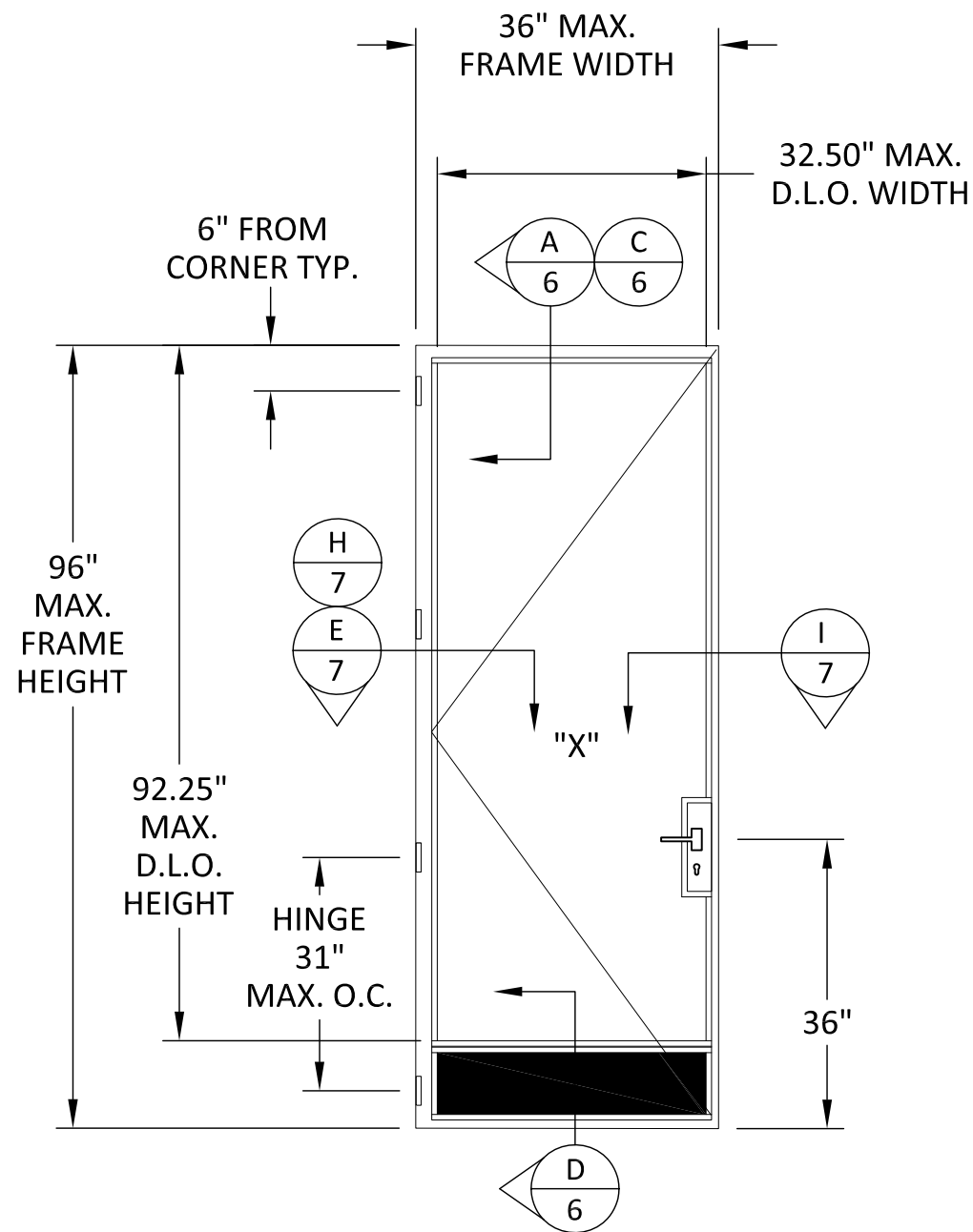
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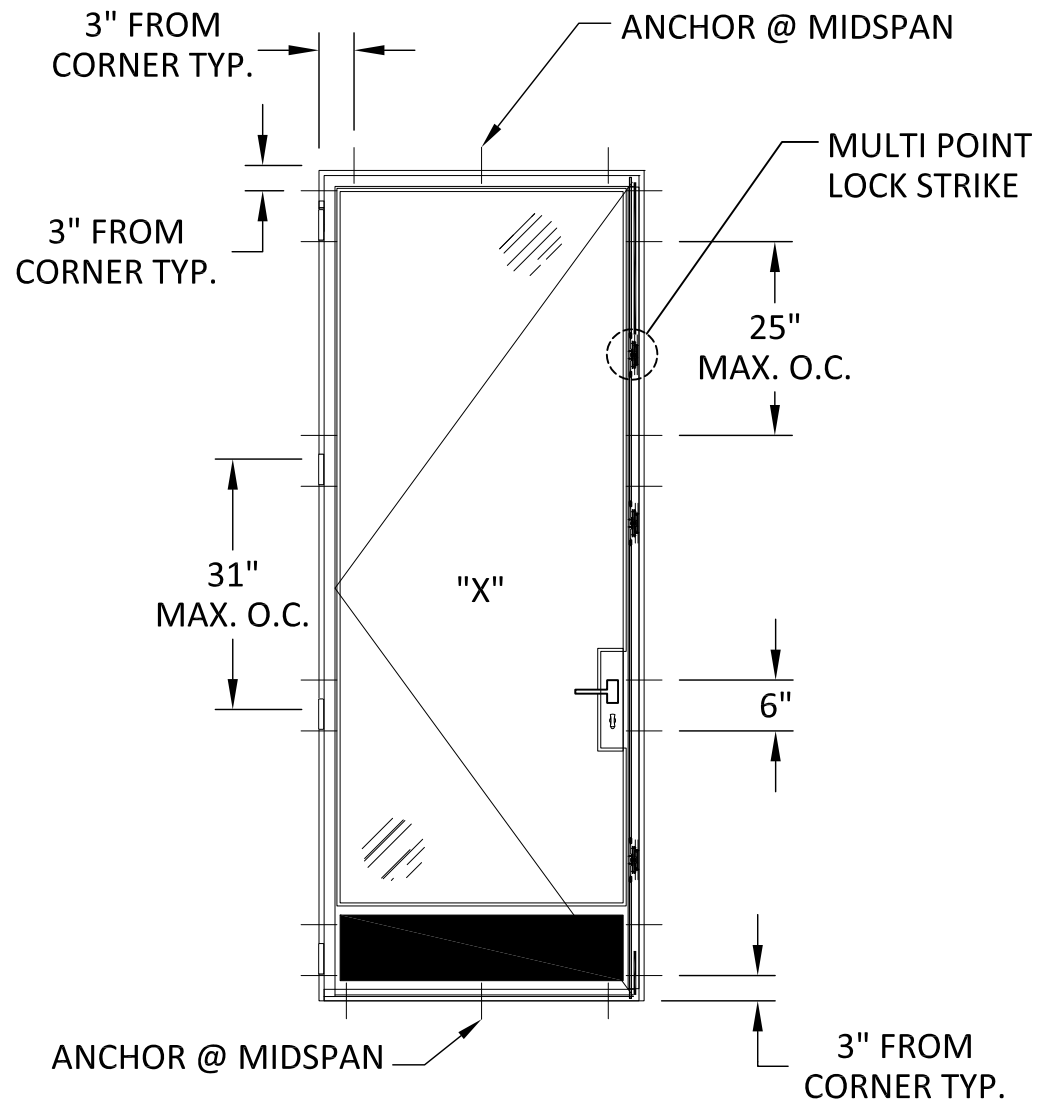
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ELEVATION
OUTSWING SINGLE DOOR



ANCHOR LAYOUT
OUTSWING SINGLE DOOR

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OUTSWING DOOR
(HVHZ) (IMPACT)
ELEVATIONS, ANCHOR
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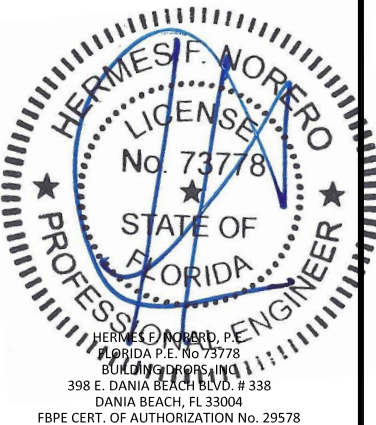
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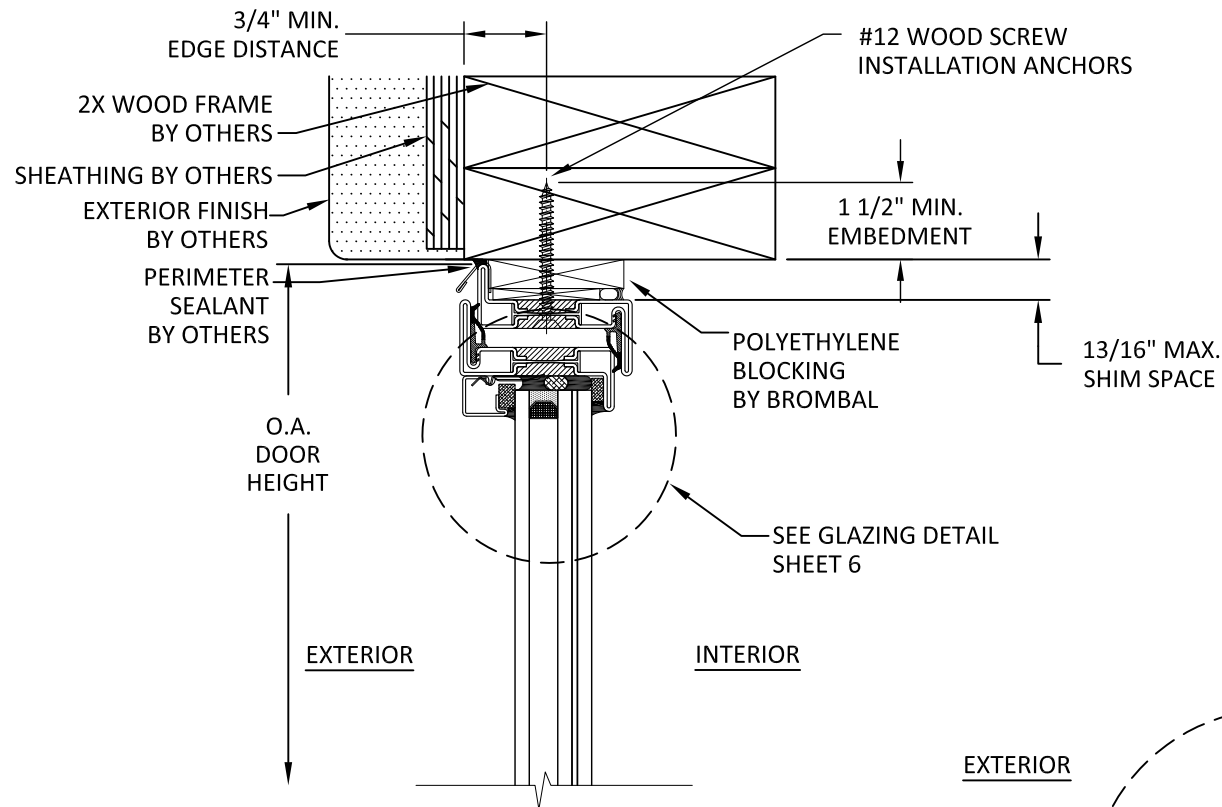


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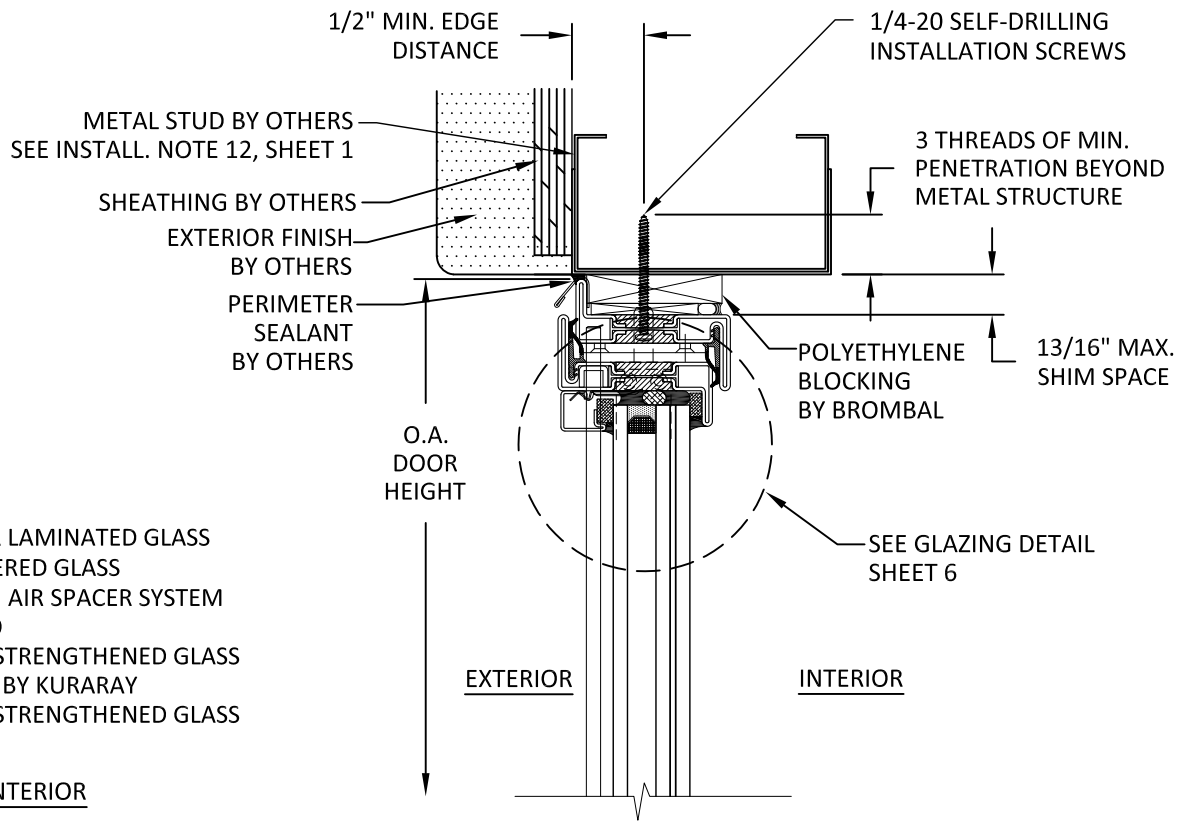
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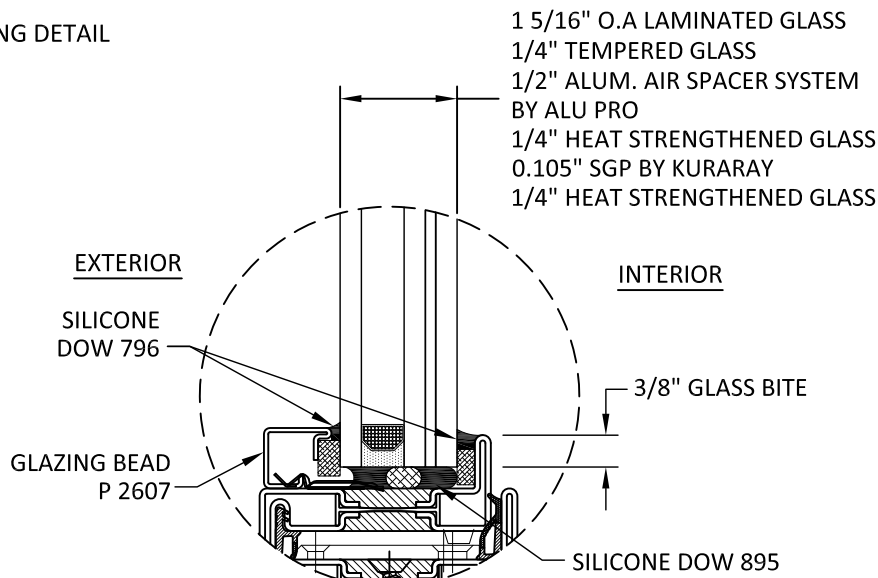
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A
6 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME



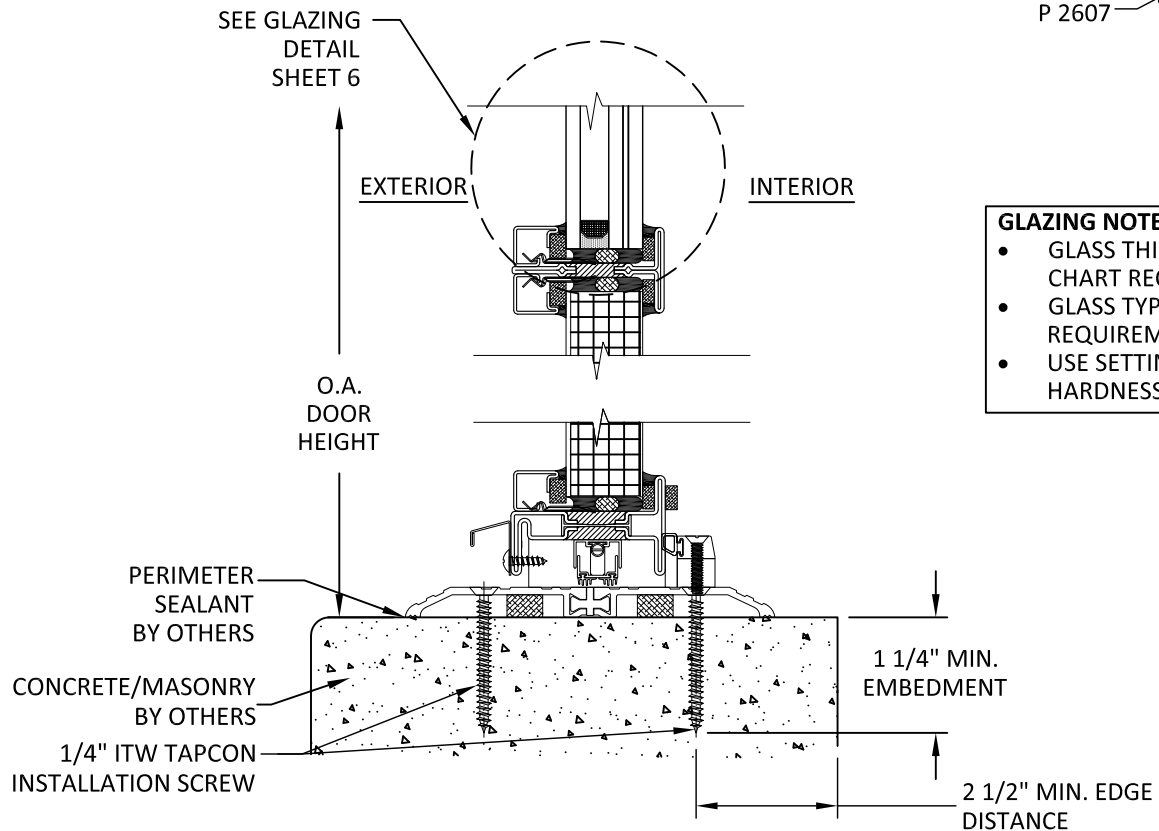
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6 **VERTICAL SECTION**
HEAD - METAL STUD FRAME



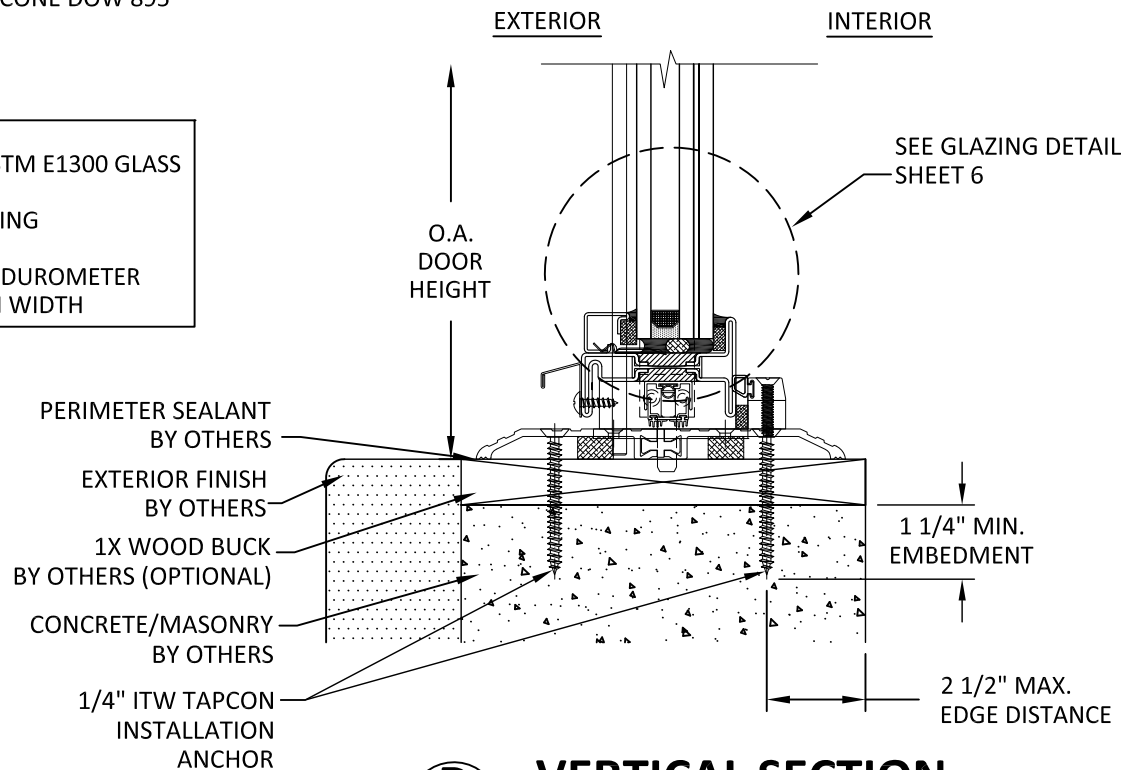
GLAZING DETAIL

GLAZING NOTES:

- GLASS THICKNESS AND TYPE COMPLY WITH ASTM E1300 GLASS CHART REQUIREMENTS.
- GLASS TYPE COMPLIES WITH FBC SAFETY GLAZING REQUIREMENTS.
- USE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS AT SILL FOR LEAVES OVER 3 FEET IN WIDTH



B
6 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY



D
6 **VERTICAL SECTION**
SILL - 1X WOOD BUCK / CONCRETE/MASONRY

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OUTSWING DOOR
(HVHZ) (IMPACT)
VERTICAL SECTIONS

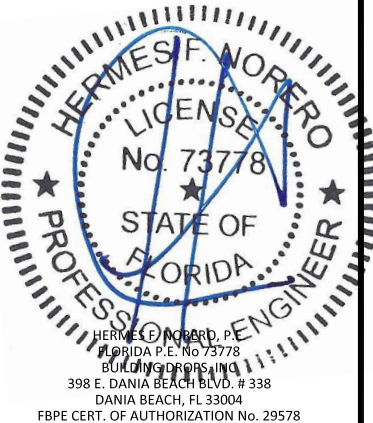
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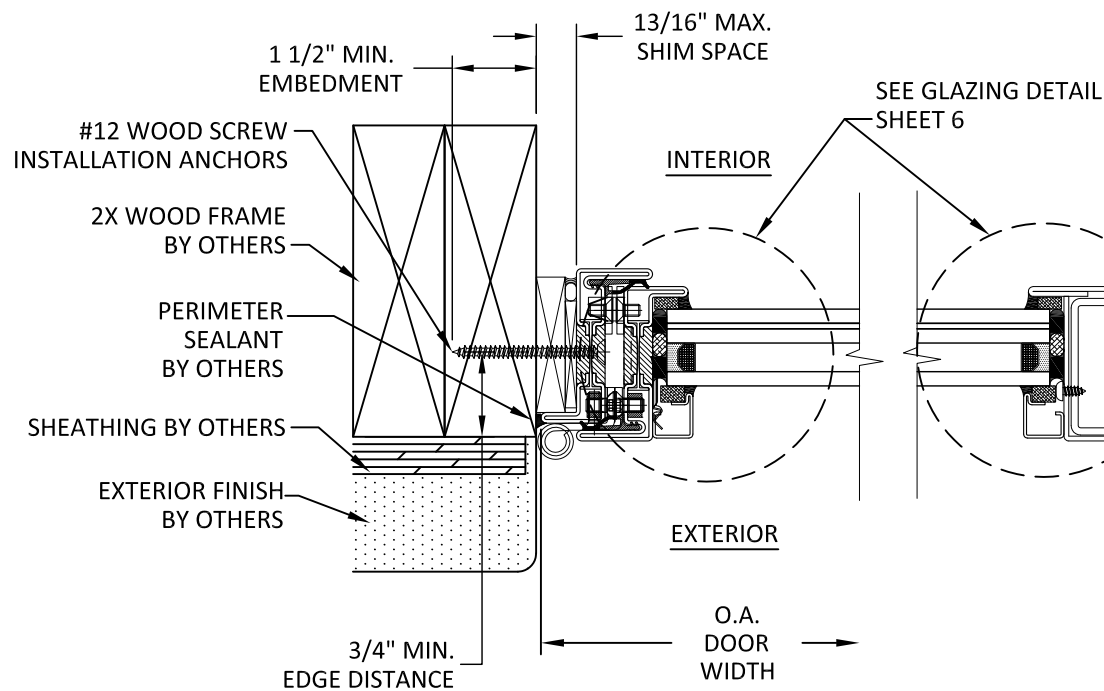
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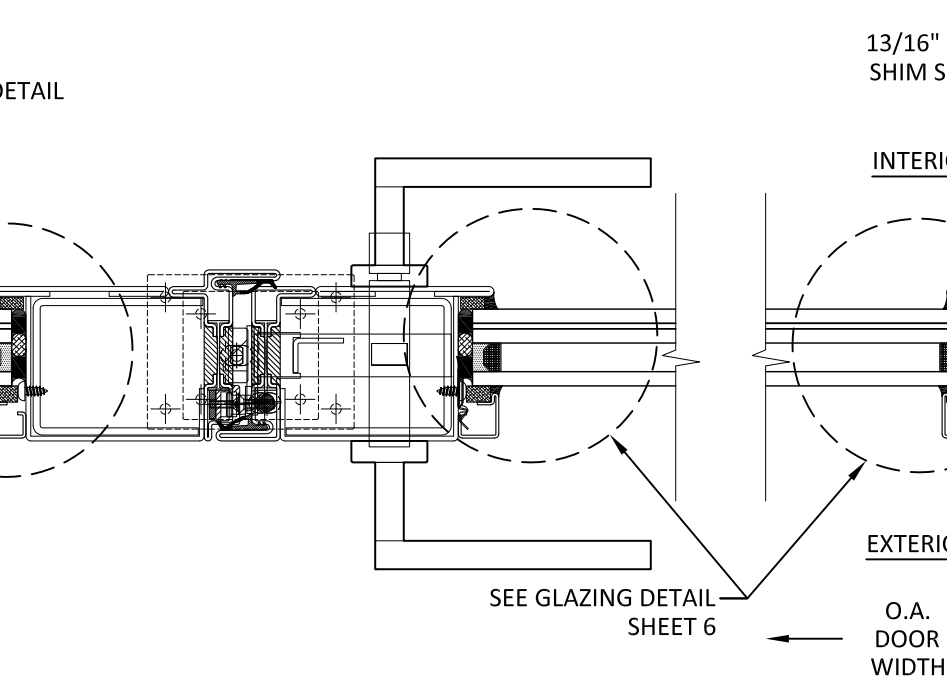
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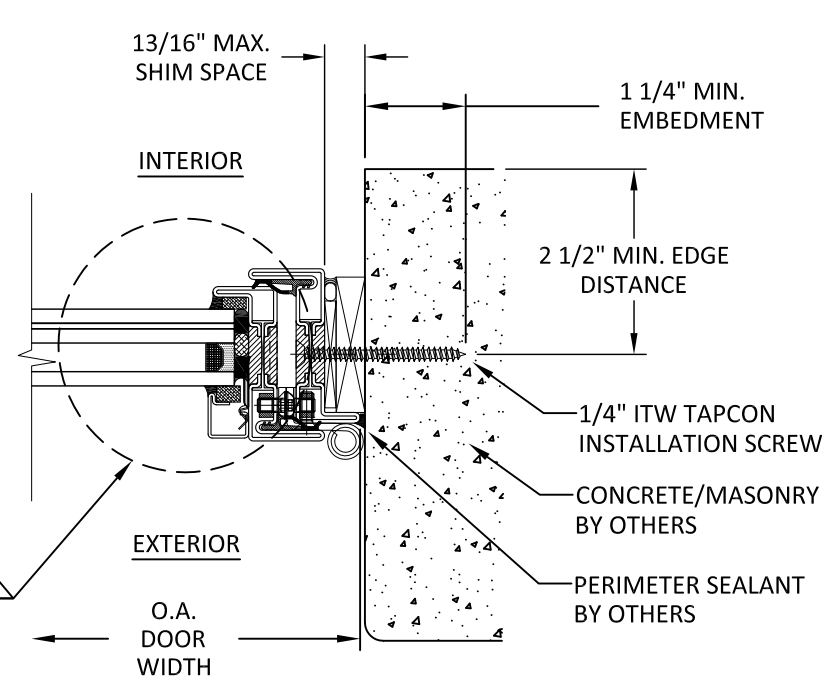
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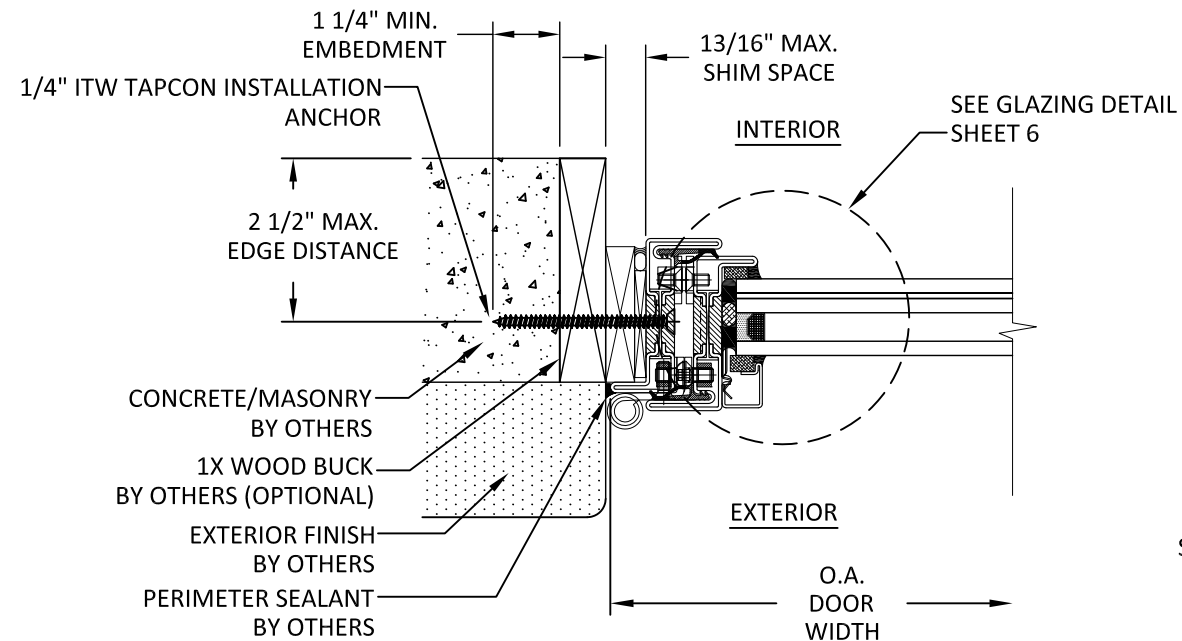
E
7 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME



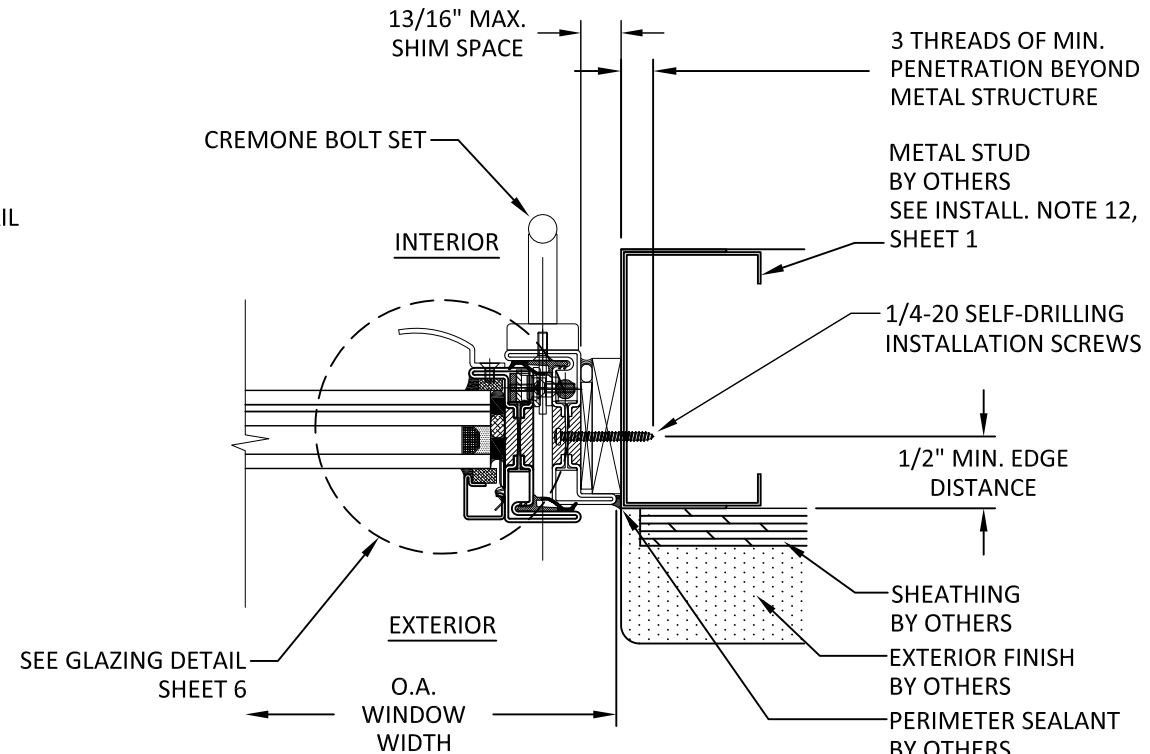
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7 **HORIZONTAL SECTION**
CROSS SECTION



G
7 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY



H
7 **HORIZONTAL SECTION**
JAMB - 1X WOOD BUCK / CONCRETE/MASONRY



I
7 **HORIZONTAL SECTION**
LOCK JAMB - METAL STUD FRAME

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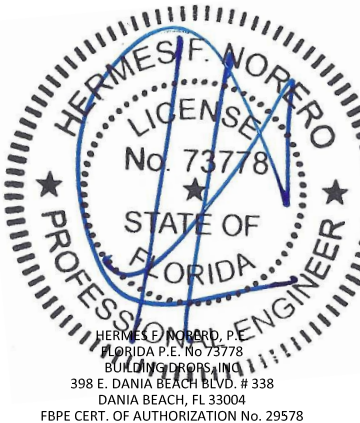
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HORIZONTAL SECTIONS

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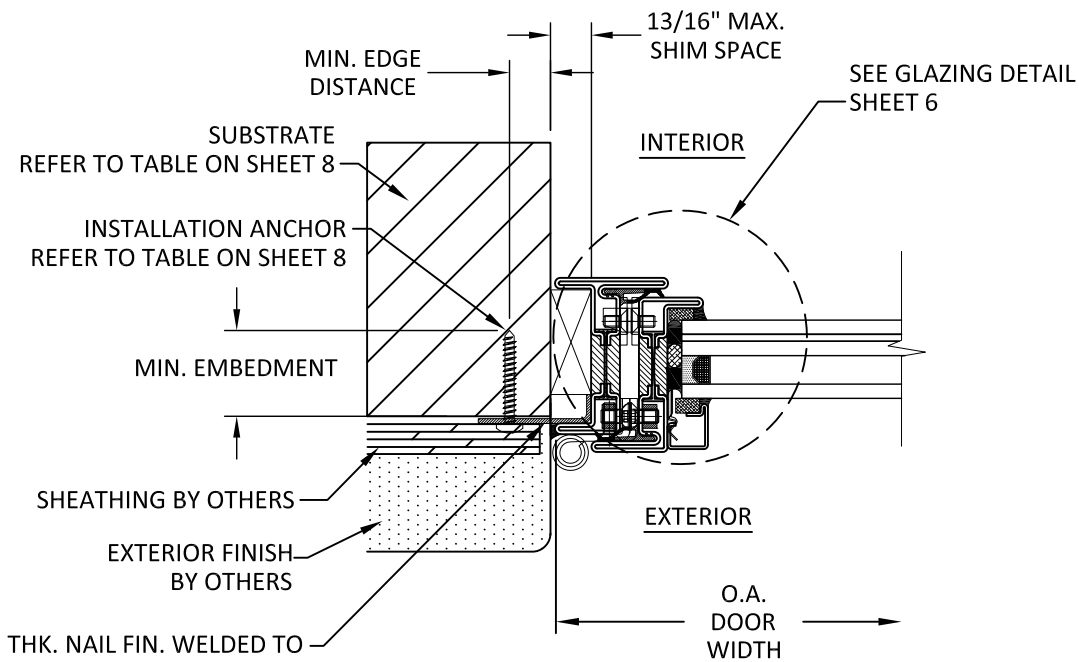
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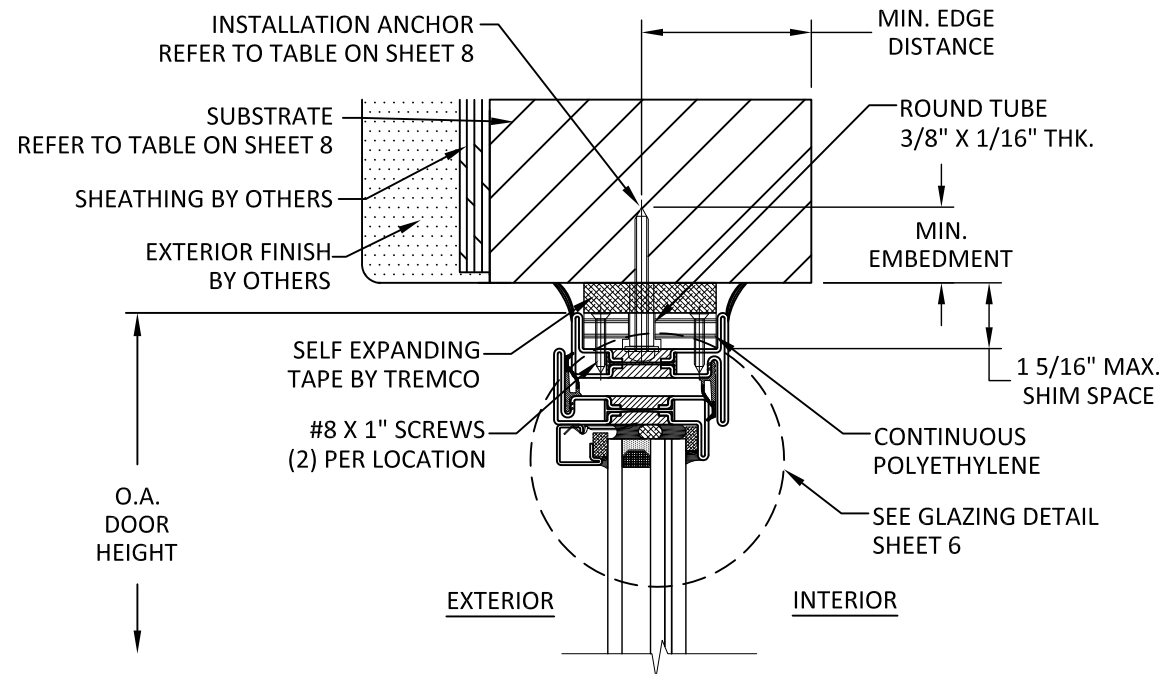
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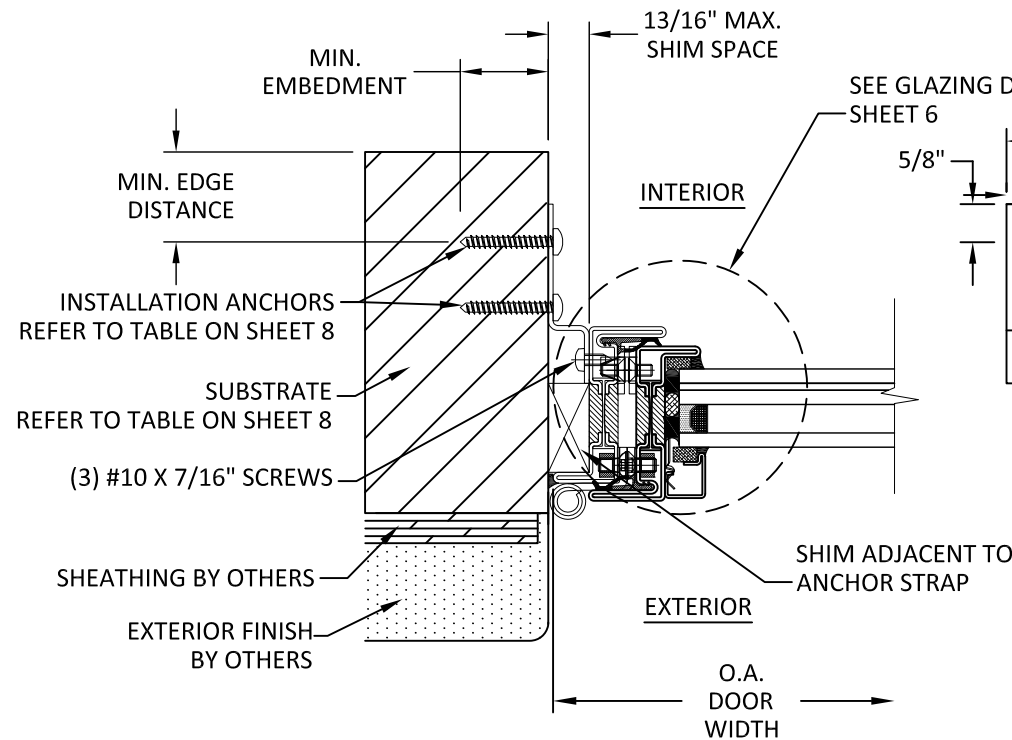


MIN. 0.079" THK. NAIL FIN. WELDED TO FRAME FOR STAINLESS TO STAINLESS & STEEL TO STEEL. FOR NAIL FIN SCREWED TO FRAME APPLICATIONS, NAIL FIN SHALL BE INSTALLED FOR SEALING & WEATHER PROOFING PURPOSES ONLY AND INSTALLATION SHALL USE ADDITIONAL ANCHOR STRAP OR THRU FRAME INSTALLATION METHODS.

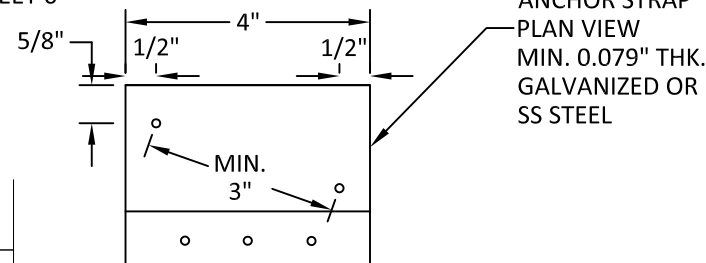
J
8 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION
TYP. INSTALLATION - HEAD/JAMB/SILL



K
8 **VERTICAL SECTION**
DEFLECTION ANCHOR
TYP. INSTALLATION - HEAD ONLY



L
8 **HORIZONTAL SECTION**
THRU STRAP INSTALLATION
TYP. INSTALLATION - HEAD/JAMB/SILL



ALTERNATE ANCHOR OPTIONS

INSTALLATION METHOD								
METHOD	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MAX. DIST. FROM CORNERS	MAX. O.C. SPACING		
						H	J	S
NAIL FIN DETAIL J/8	MIN. S.G. = 0.55 WOOD	#12 WOOD SCREW	1.5"	0.75"	4"	8"	8"	N/A
	18 GAUGE STEEL, MIN fy = 33 ksi	#12 PAN HEAD SCREW	3 THREADS PENETRATION	0.75"	4"	8"	8"	N/A
THRU STRAP DETAIL L/8	MIN. S.G. = 0.55 WOOD	#12 WOOD SCREW	1.5"	0.75"	Refer to Elevations on Sheets 2-5 for Anchor Layout			
	18 GAUGE STEEL, MIN fy = 33 ksi	#12 PAN HEAD SCREW	3 THREADS PENETRATION	0.75"				
THRU FRAME (DEFLECTION ANCHOR) DETAIL K/8	CONCRETE/MASONRY, MIN fc = 3000 psi	1/4" ITW TAPCON	1 1/4"	2 1/2"	Refer to Elevations on Sheets 2-5 for Anchor Layout			
	MIN. S.G. = 0.55 WOOD	#12 WOOD SCREW	1.5"	0.75"				
	18 GAUGE STEEL, MIN fy = 33 ksi	#12 PAN HEAD SCREW	3 THREADS PENETRATION	0.75"				
	CONCRETE/MASONRY, MIN fc = 3000 psi	1/4" ITW TAPCON	1 1/4"	2 1/2"				

BROMBAL
LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: BROMBAL ITALY FARO SERIES
OUTSWING DOOR
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

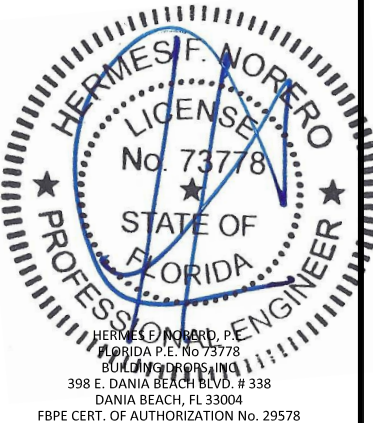
PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE
FBC UPDATES	SM	08/21
NAME UPDATES	SM	12/22

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.



FL #:
FL21061

DATE: **06.28.16**

DWG. BY: **LMS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **BRB004**

SHEET: OF 8