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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
4. 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.
5. FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. 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.
7. 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.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1). NAIL-FIN, STRAPS, AND CLIPS LISTED WITHIN THIS APPROVAL ARE QUALIFIED TO BE STAINLESS STEEL AS SHOWN HERE-IN.

10.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.

11.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.

12.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

13.INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING WINDOWS AND ACCESSORY ITEMS.
- GENERAL NOTES:
1. 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 E1886-13

ASTM E1996-17

2. 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.

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. WINDOW 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)

7. WINDOW HARDWARE: AC2684 CREMONE BOLT ROD BAR SET (GRAZ) DOUBLE OUTSWING LEAF, AC2683 CREMONE BOLT ROD BAR SET (GRAZ) SINGLE OUTSWING LEAF, STEEL/BRASS MULTIPOINT LOCKING SYSTEM, AND STAINLESS STEEL BURGLARY DEVICE.

8. 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.

9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 9 FOR GLAZING DETAILS.

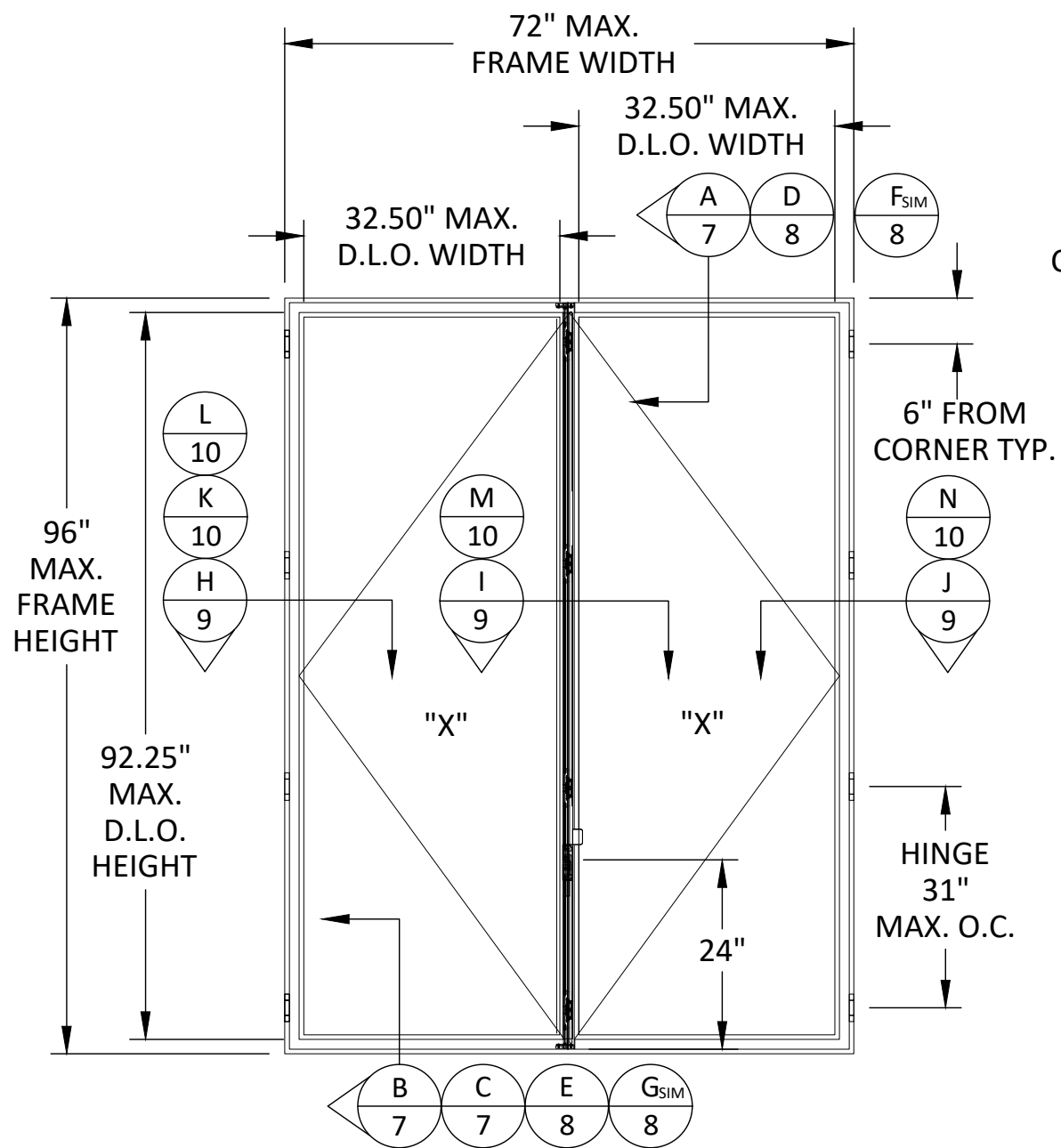
10.GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CHAPTER 24 OF CURRENT FBC.

11.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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| 10 | HORIZONTAL SECTIONS |
| 11 | ALTERNATE ANCHORAGE DETAILS |
- | CASEMENT WINDOW DESIGN PRESSURE TABLE | | | | |
|---------------------------------------|---------------|-----------|---------------|--------------|
| MAX. OVERALL SIZE | CONFIGURATION | MAX. DP | IMPACT RATING | GLAZING TYPE |
| 72" X 96" | XX | +/-60 PSF | LMI | A & B |
| 72" X 96" | XX (ARCH TOP) | +/-55 PSF | LMI | A & B |
| 36" X 96" | X (ARCH TOP) | +/-55 PSF | LMI | A & B |
| 36" X 96" | X | +/-60 PSF | LMI | A & B |
| 40" X 74" | X | +/-75 PSF | LMI | A |
- NOTE:

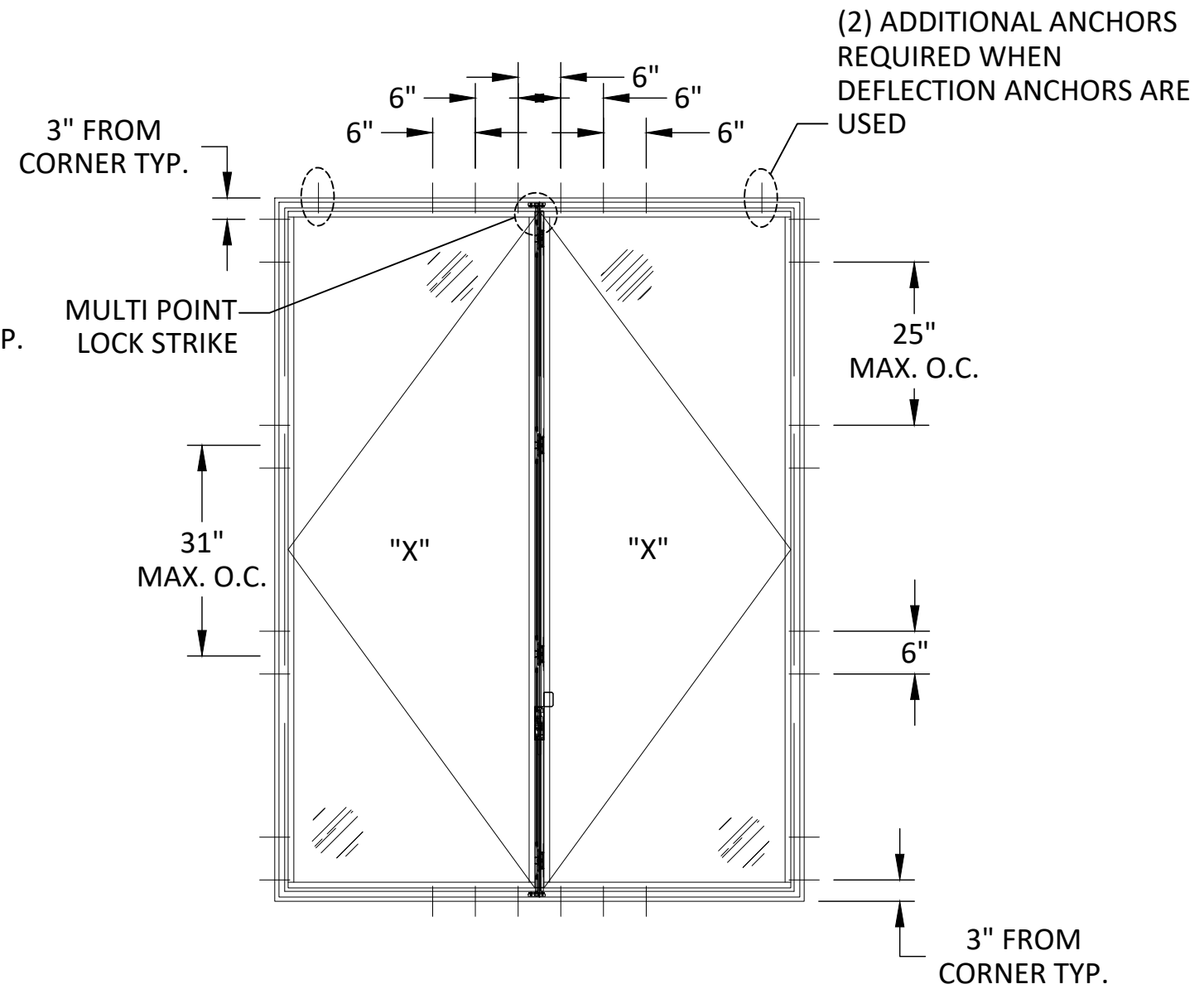
1. LMI - LARGE MISSILE IMPACT RATED

2. SEE SHEET 9 FOR GLAZING DETAILS
- BROMBAL
LUXURY METAL WINDOWS AND DOORS
- BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE
- TITLE: BROMBAL ITALY FARO SERIES
CASEMENT WINDOW
(HVHZ) (IMPACT)
INSTALLATION & GENERAL NOTES
- PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
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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: 2026.08.11 16:17:00 -03'00'
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- FL #:
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- DATE: 10.09.15
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- SCALE: NTS
- DWG. #: BRB005
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ELEVATION
OUTSWING CASEMENT TWIN WINDOW
INSIDE OR OUTSIDE GLAZED



ANCHOR LAYOUT
OUTSWING CASEMENT TWIN WINDOW
INSIDE OR OUTSIDE GLAZED

NOTE: THROUGH FRAME, ANCHOR STRAP, OR DEFLECTION ANCHOR (HEAD ONLY) INSTALLATION SHOWN ABOVE. REFER TO SHEET 11 FOR NAIL FIN INSTALLATION ANCHOR LAYOUT.

BROMBAL
LUXURY METAL WINDOWS AND DOORS
BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

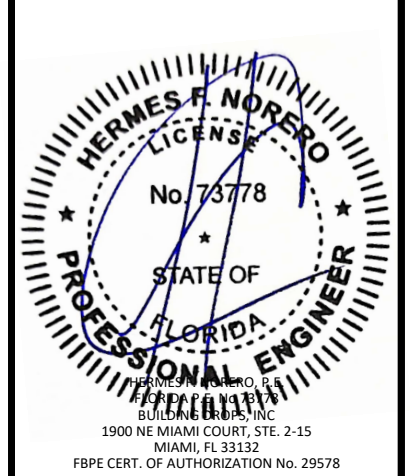
TITLE: BROMBAL ITALY FARO SERIES CASEMENT WINDOW (HVHZ) (IMPACT) ELEVATIONS & ANCHOR LAYOUTS

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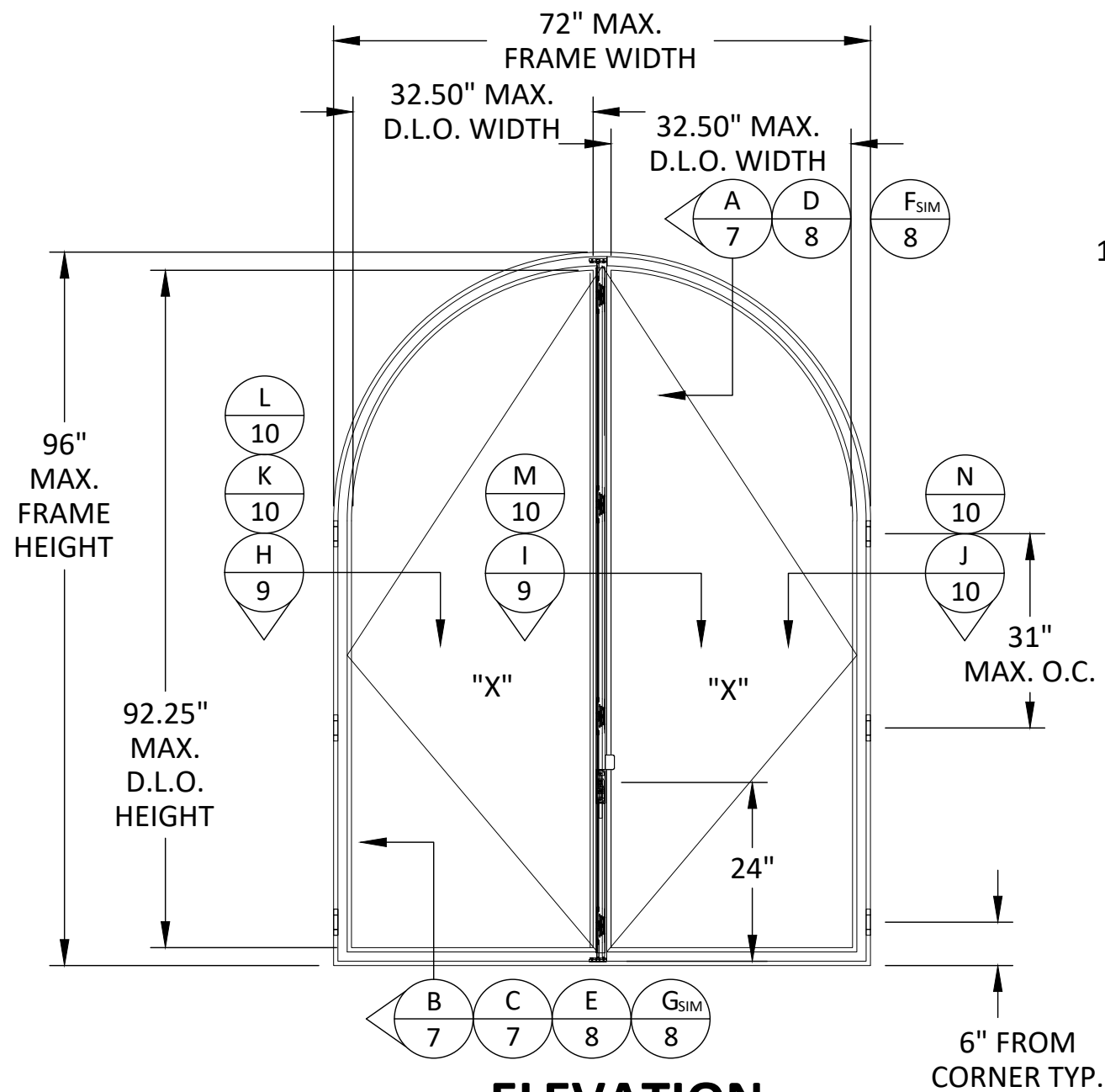
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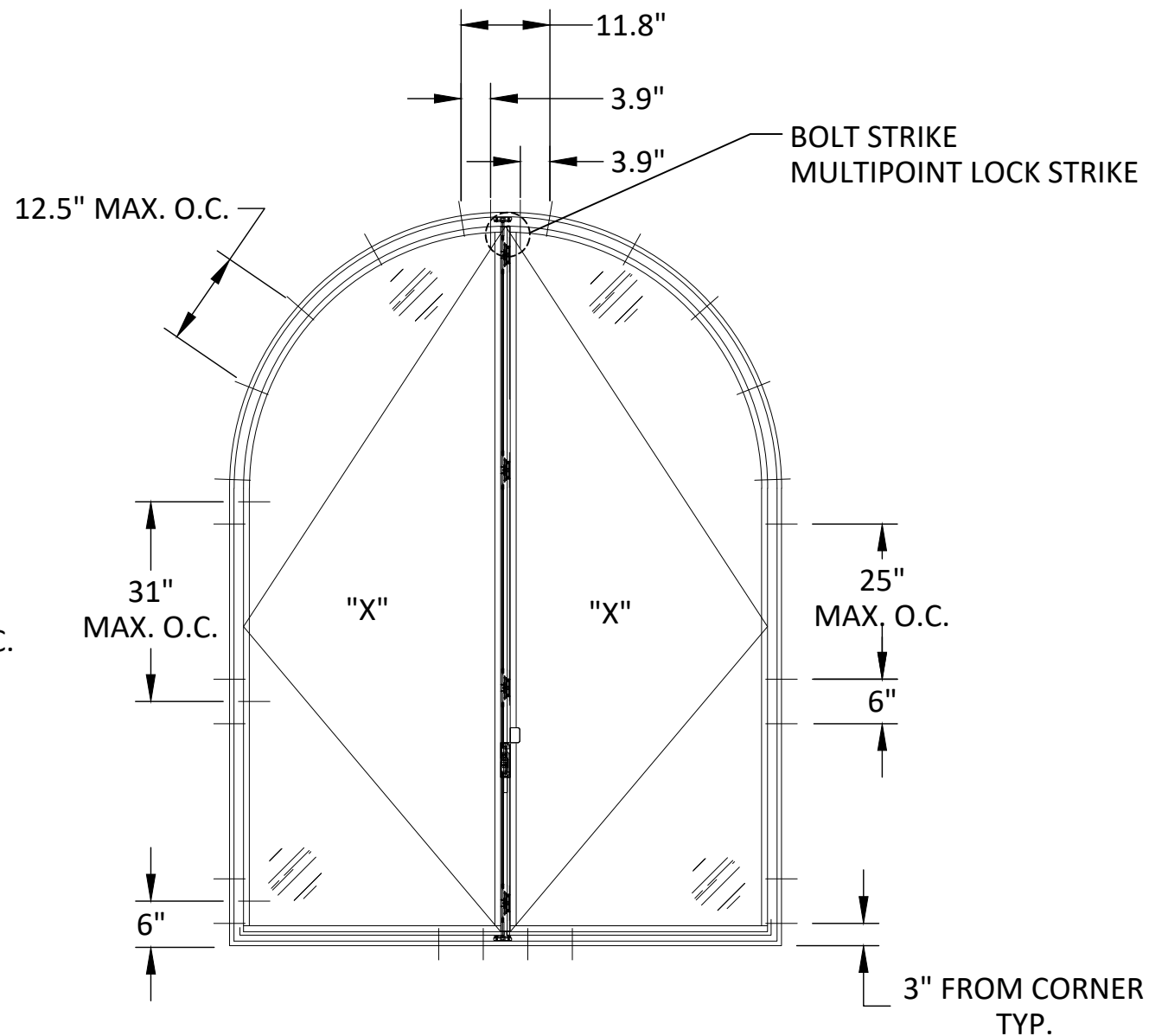


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ELEVATION
OUTSWING ARCHED CASEMENT TWIN WINDOW
INSIDE OR OUTSIDE GLAZED



ANCHOR LAYOUT
OUTSWING ARCHED CASEMENT TWIN WINDOW
INSIDE OR OUTSIDE GLAZED

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LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
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CASEMENT WINDOW
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ELEVATIONS &
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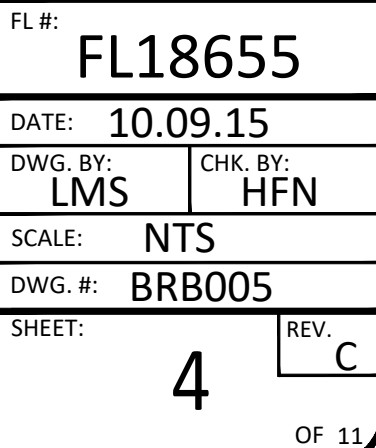
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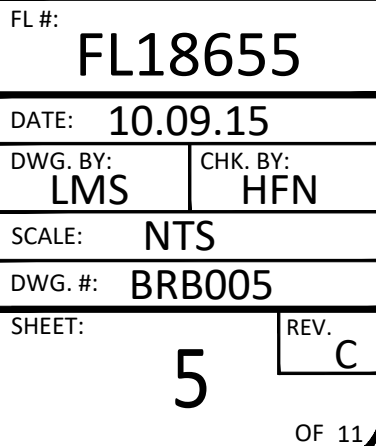
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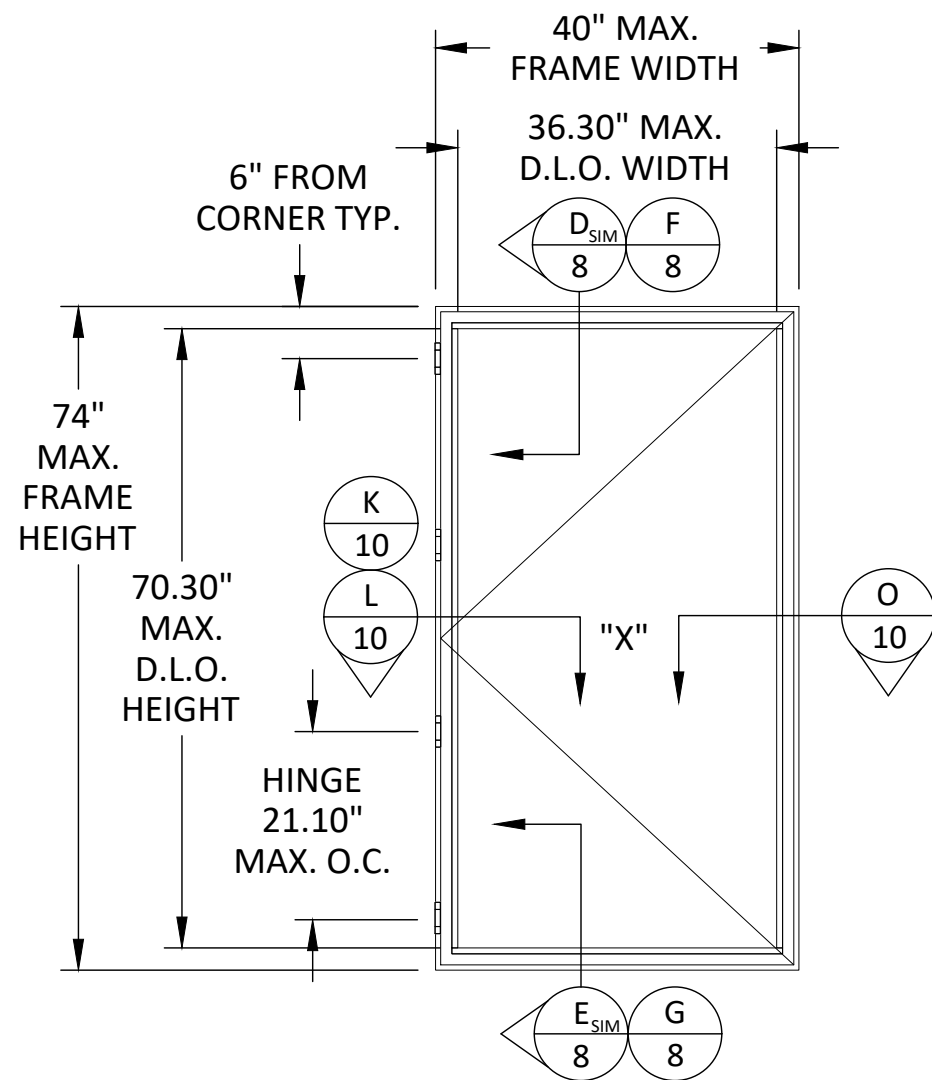
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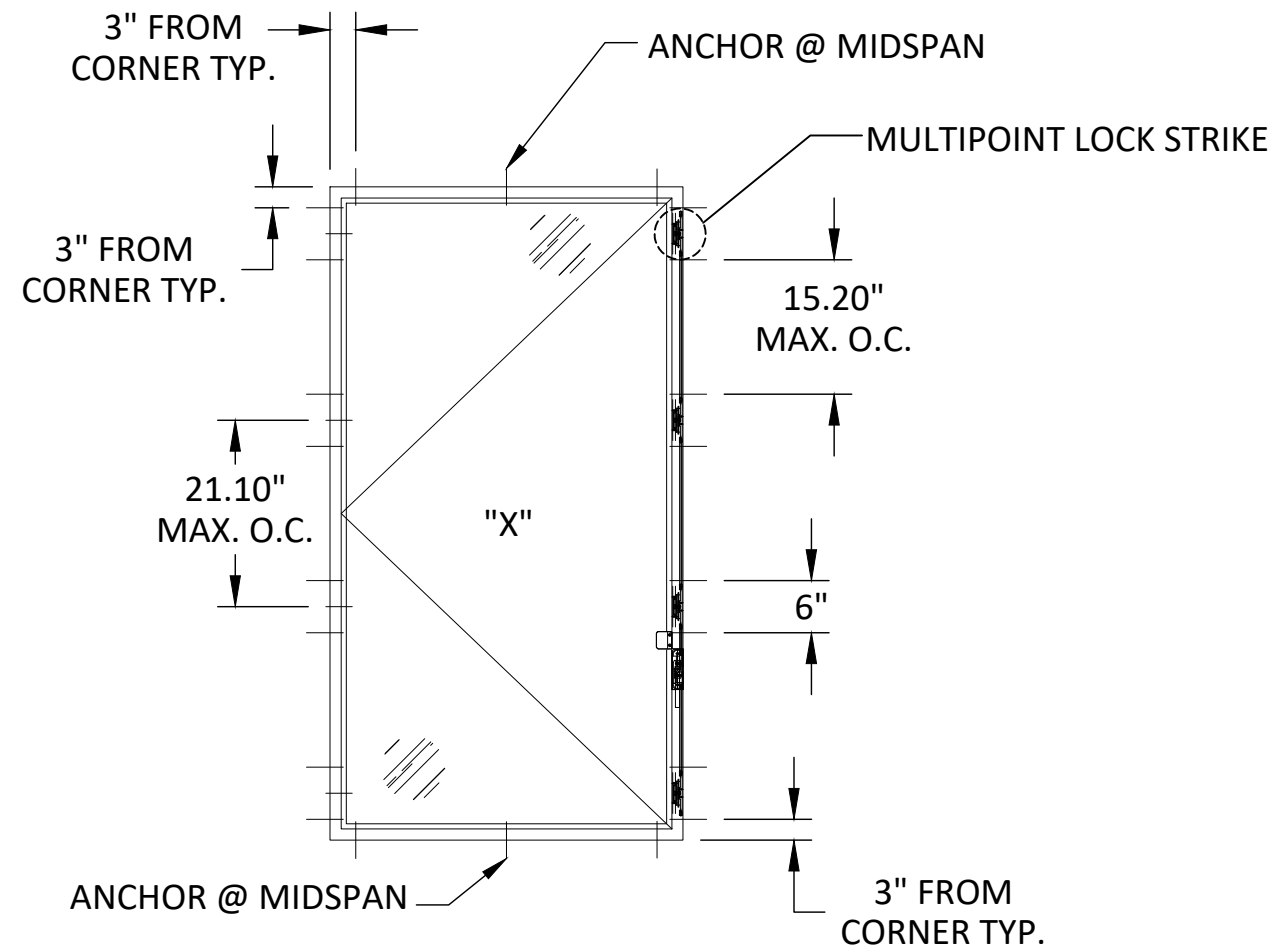


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ELEVATION
OUTSWING CASEMENT SINGLE WINDOW
OUTSIDE GLAZED



ANCHOR LAYOUT
OUTSWING CASEMENT SINGLE WINDOW
OUTSIDE GLAZED

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BROMBAL
LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

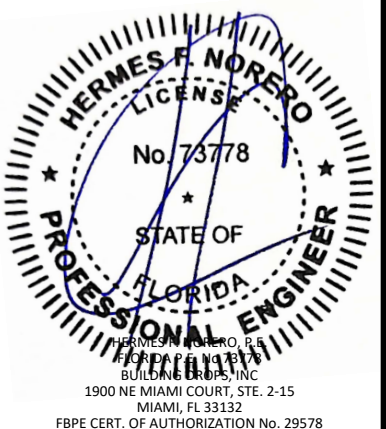
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CASEMENT WINDOW
(HVHZ) (IMPACT)
ELEVATIONS &
ANCHOR LAYOUTS

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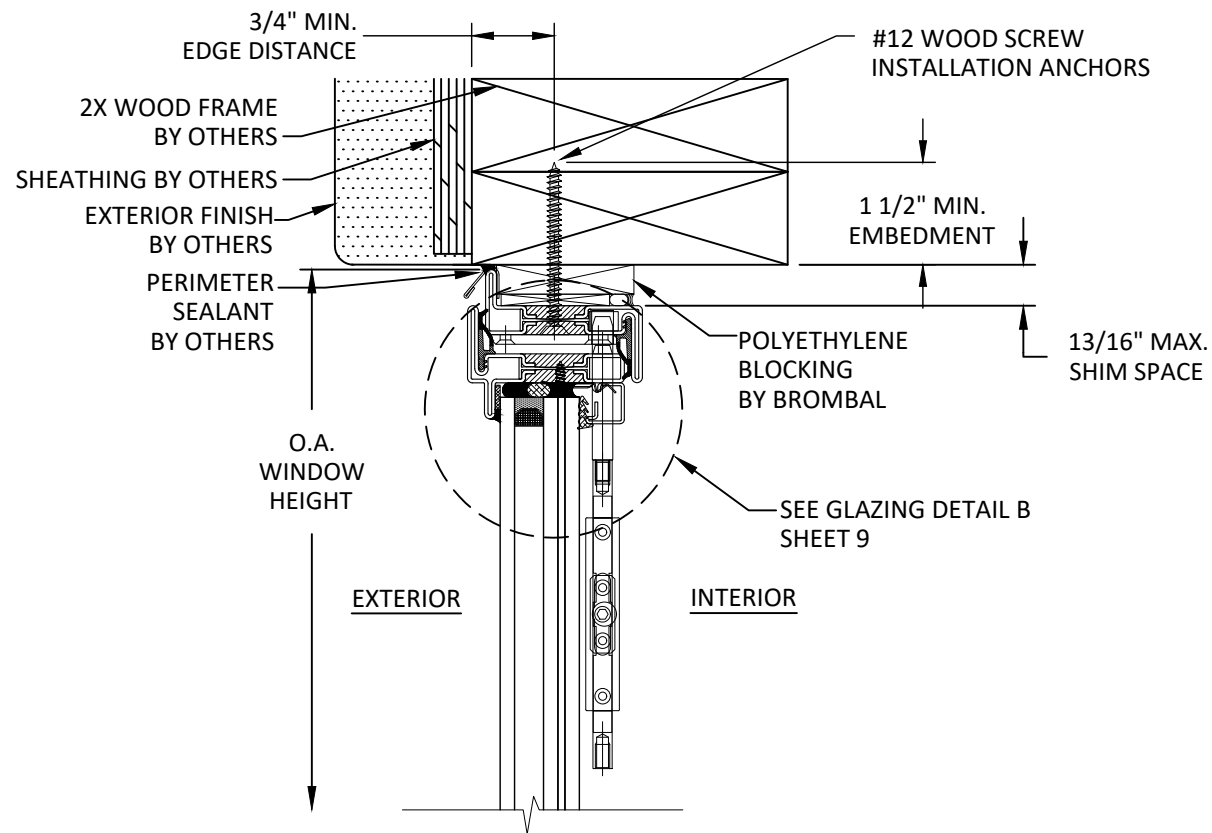
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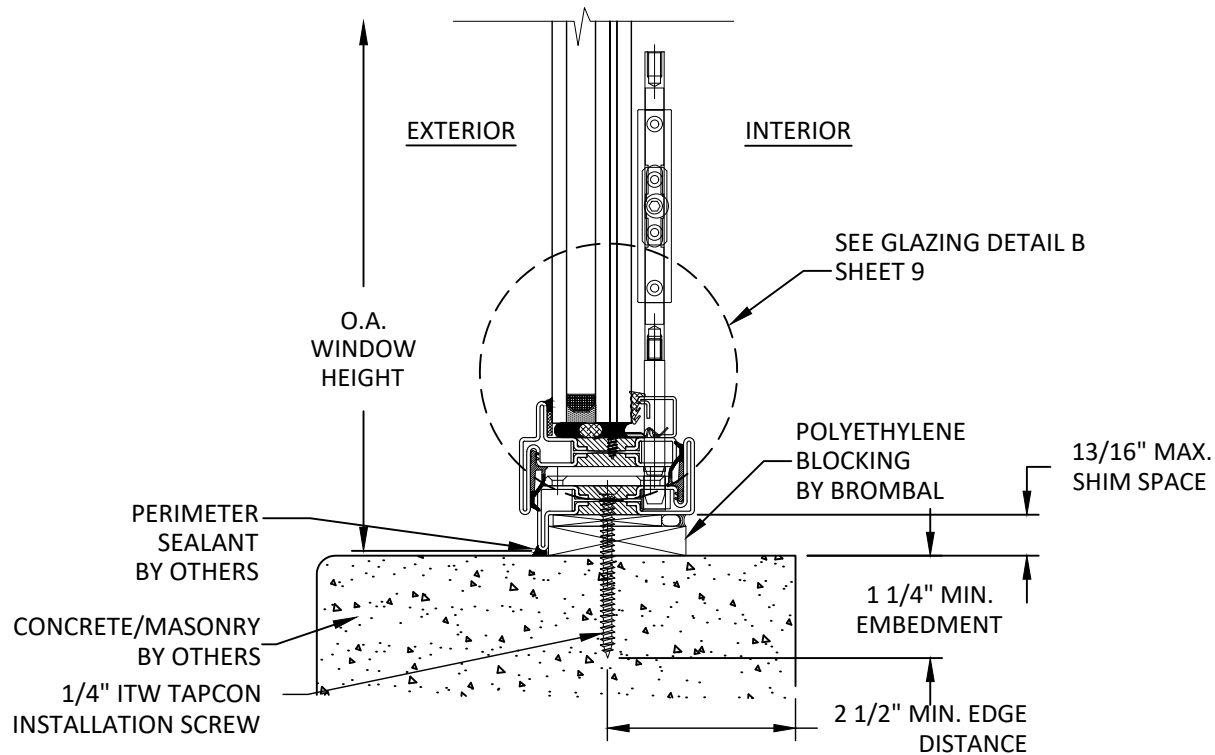


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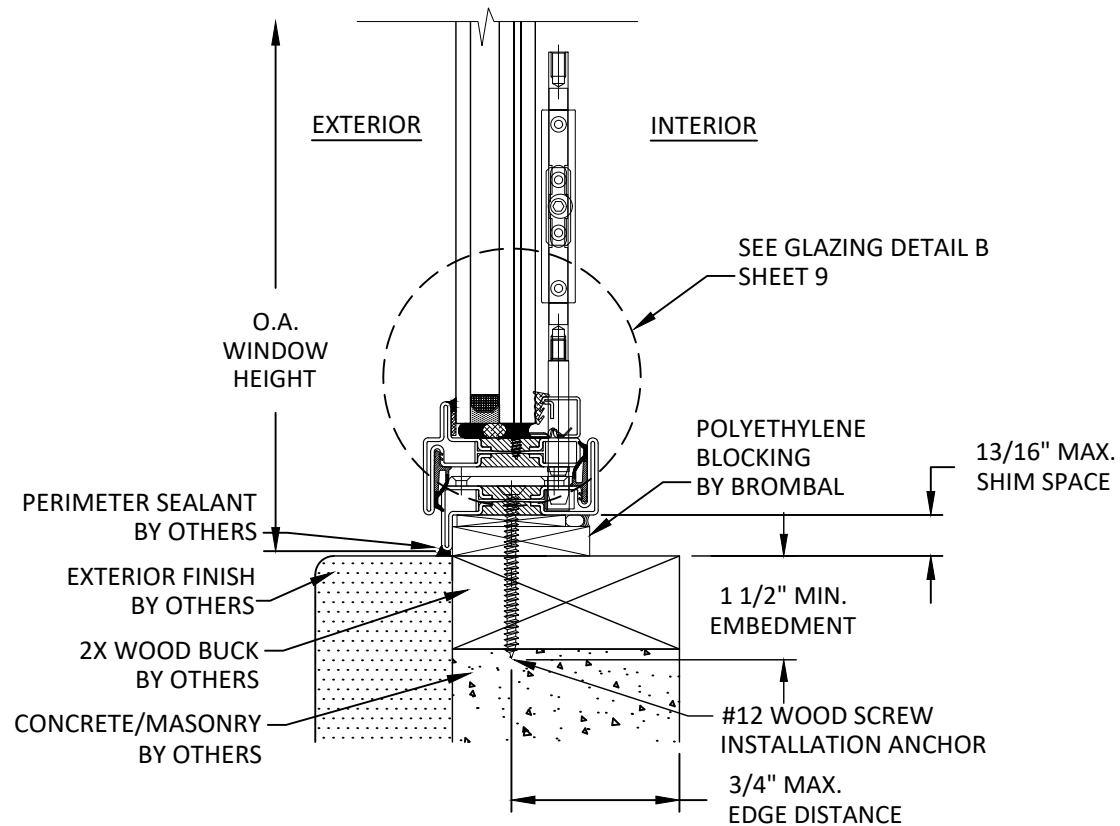
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brombal italy



A
7
VERTICAL SECTION
TWIN HEAD - 2X WOOD FRAME
INSIDE GLAZED



B
7
VERTICAL SECTION
TWIN SILL - CONCRETE/MASONRY
INSIDE GLAZED



C
7
VERTICAL SECTION
TWIN SILL - 2X WOOD BUCK
INSIDE GLAZED

BROMBAL
LUXURY METAL WINDOWS AND DOORS

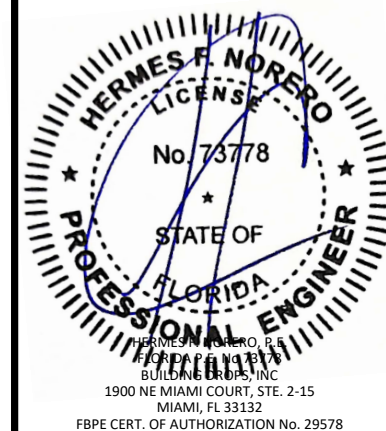
BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: BROMBAL ITALY FARO SERIES
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(HVHZ) (IMPACT)
VERTICAL SECTIONS

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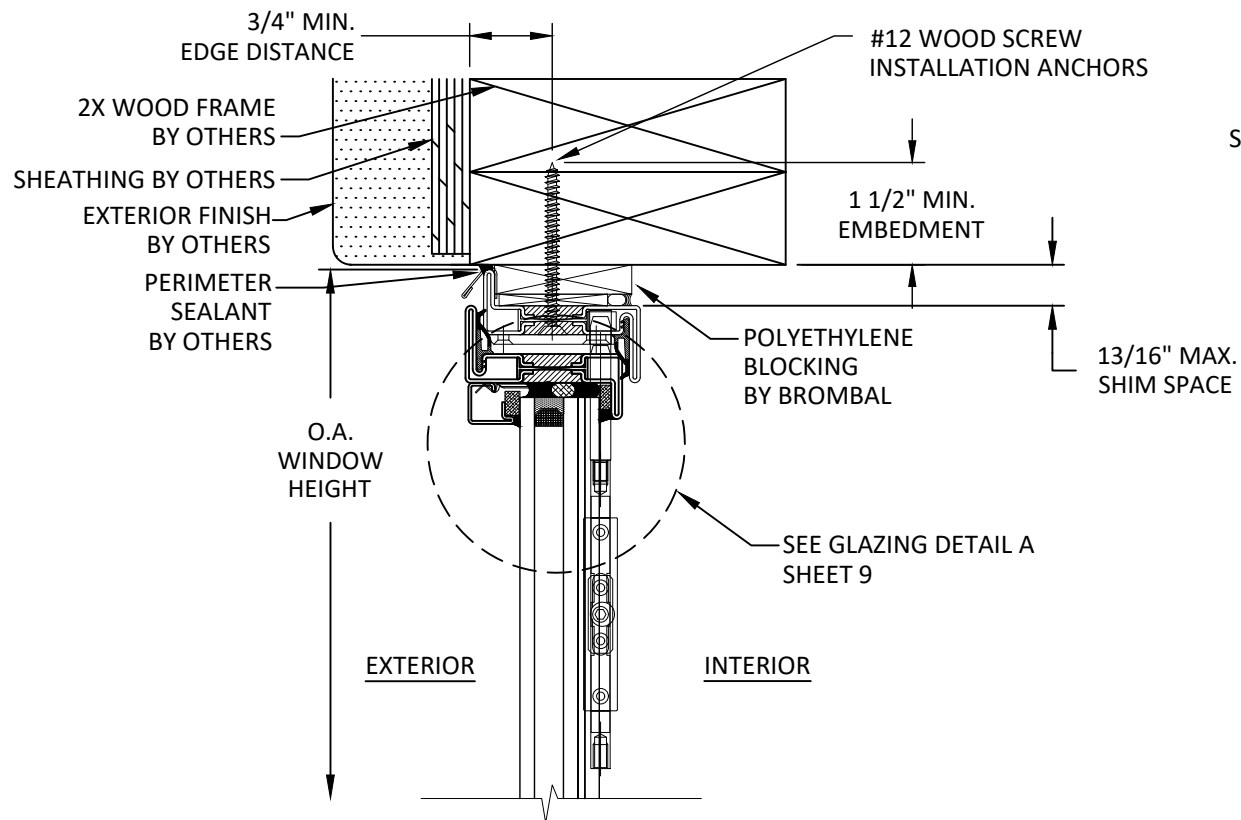
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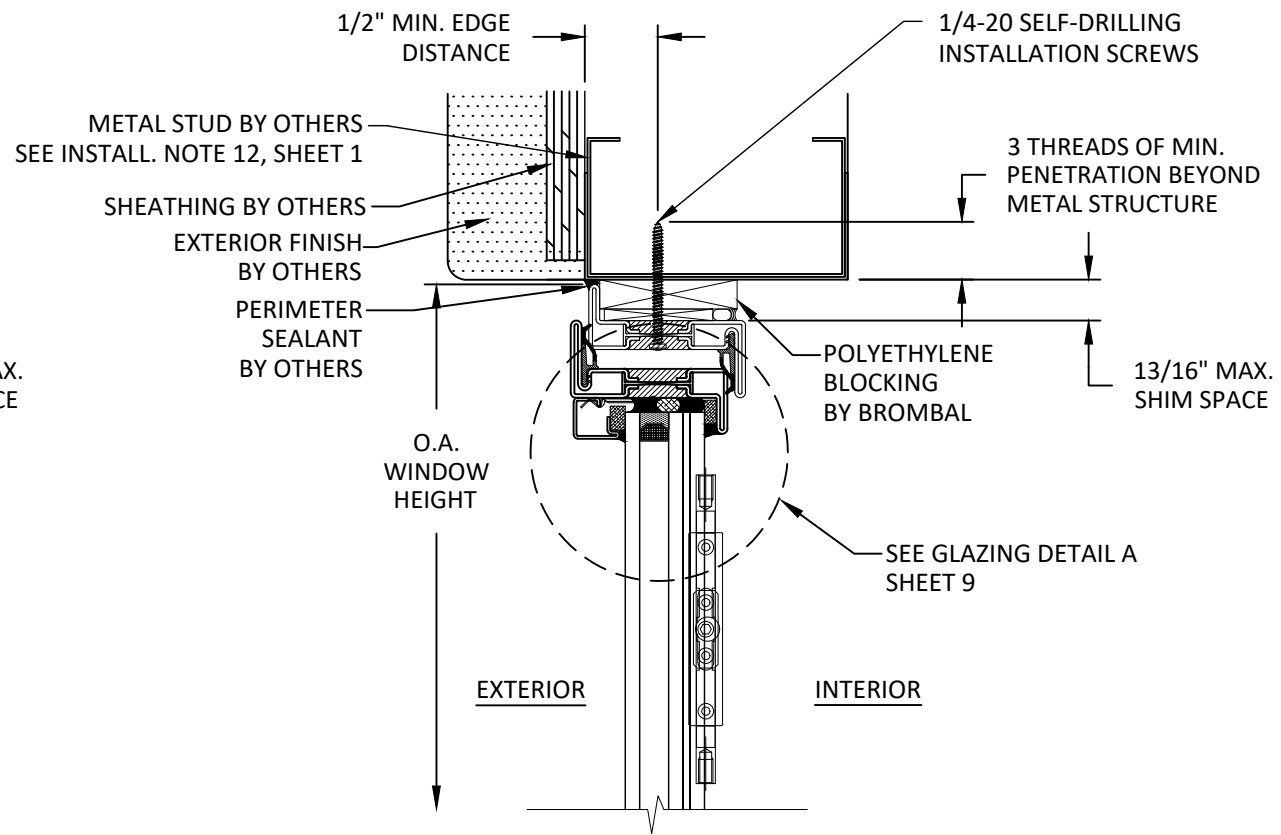
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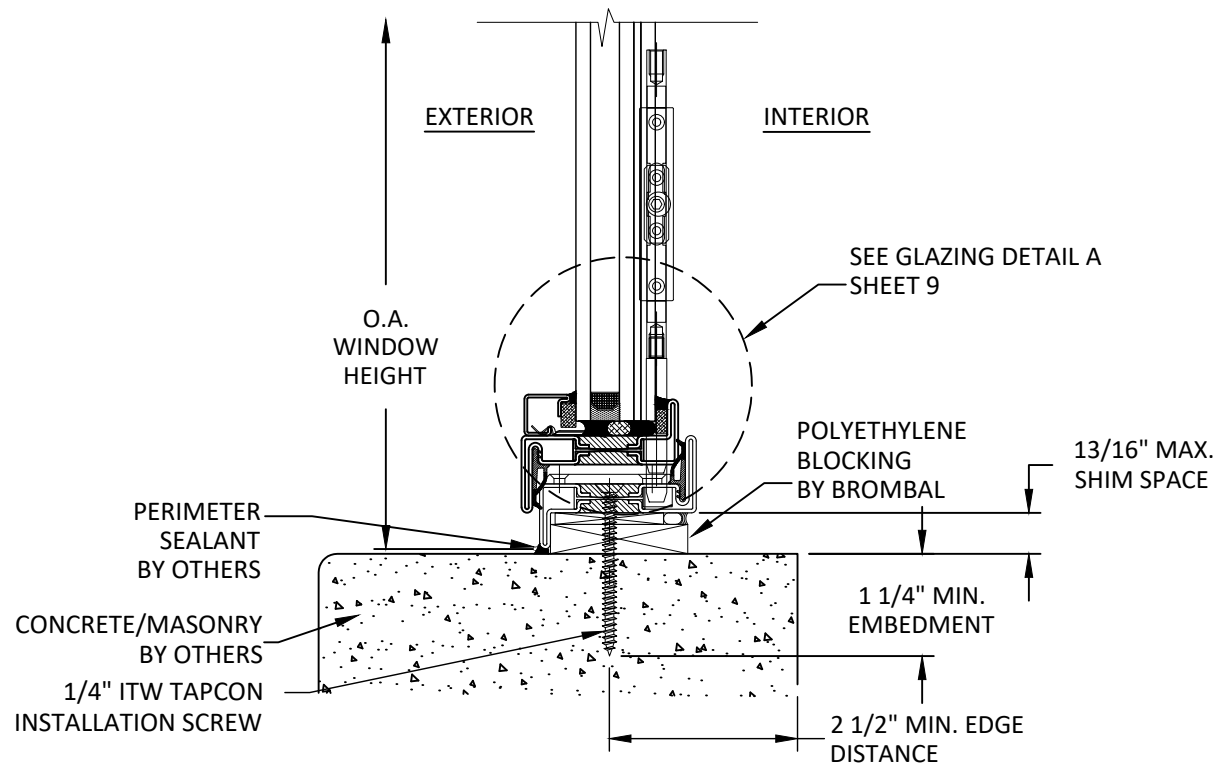
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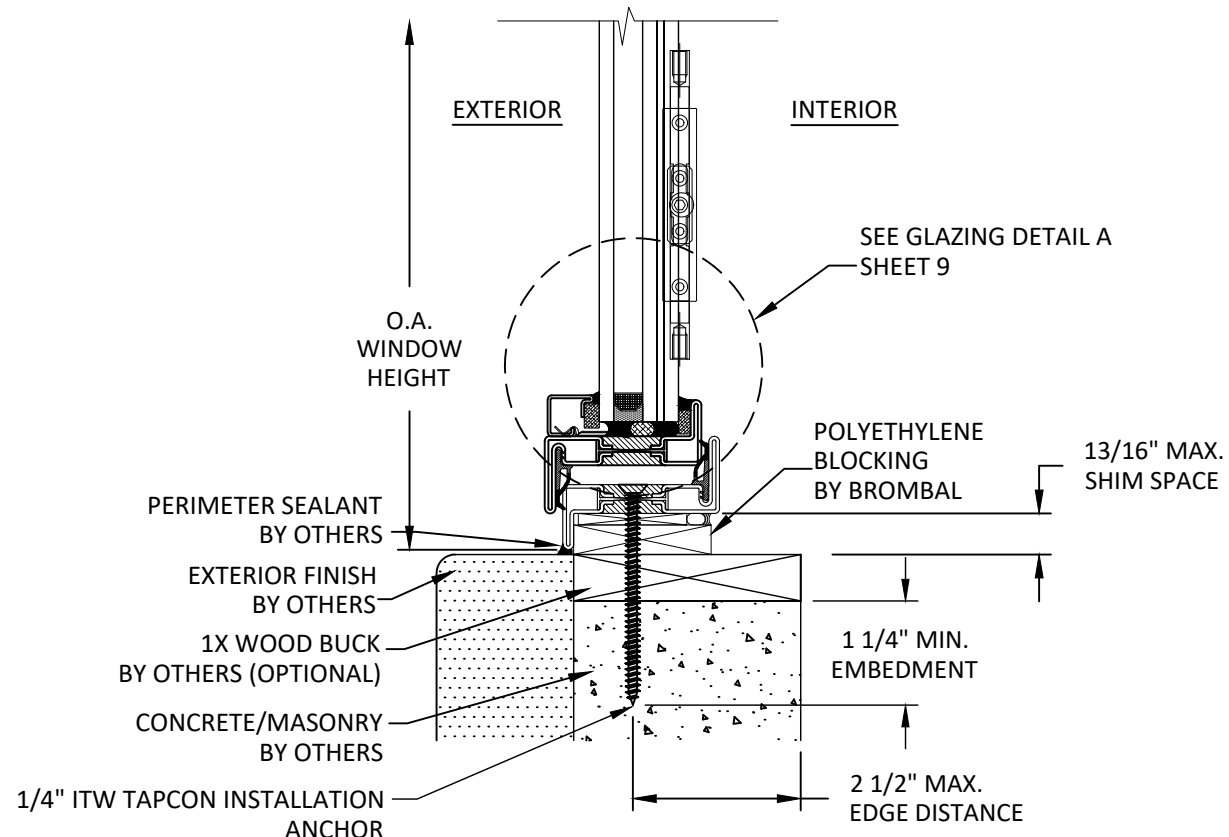
D
8 **VERTICAL SECTION**
TWIN HEAD - 2X WOOD FRAME
OUTSIDE GLAZED



F
8 **VERTICAL SECTION**
SINGLE HEAD - METAL STUD FRAME
OUTSIDE GLAZED



E
8 **VERTICAL SECTION**
TWIN SILL - CONCRETE/MASONRY
OUTSIDE GLAZED



G
8 **VERTICAL SECTION**
SINGLE SILL - 1X WOOD BUCK / CONCRETE/MASONRY
OUTSIDE GLAZED

BROMBAL
LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: BROMBAL ITALY FARO SERIES
CASEMENT WINDOW
(HVHZ) (IMPACT)
VERTICAL SECTIONS

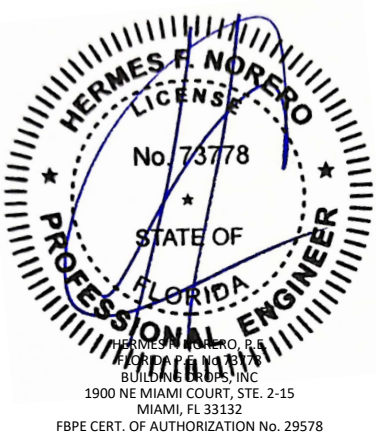
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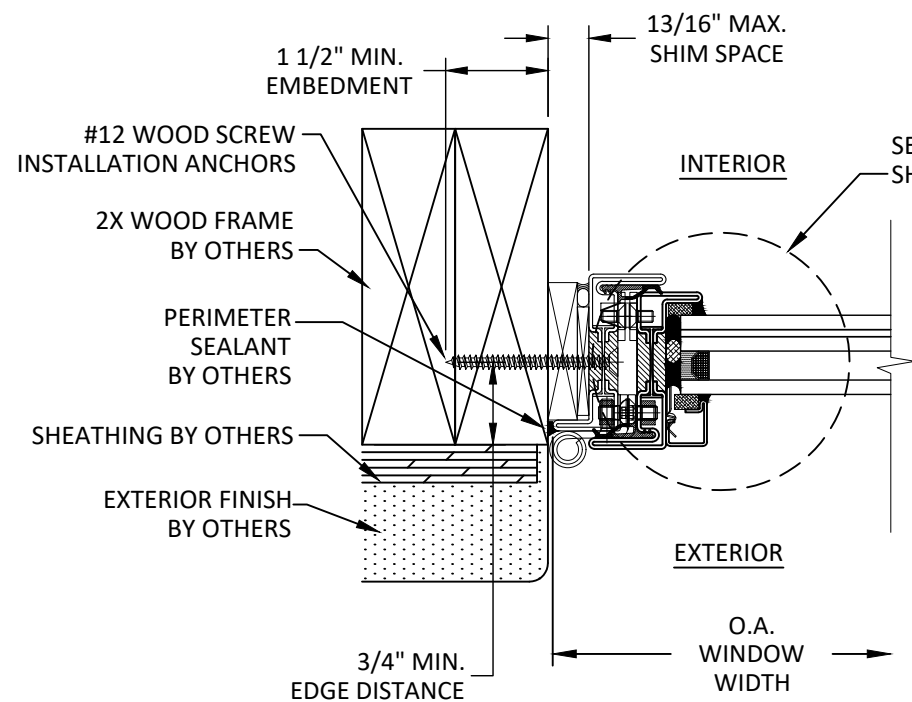
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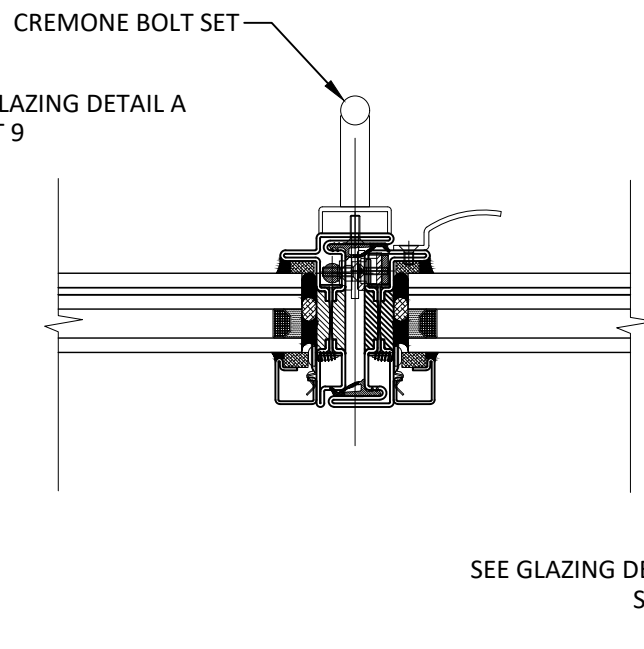


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SHEET:	8	REV. C
OF 11		

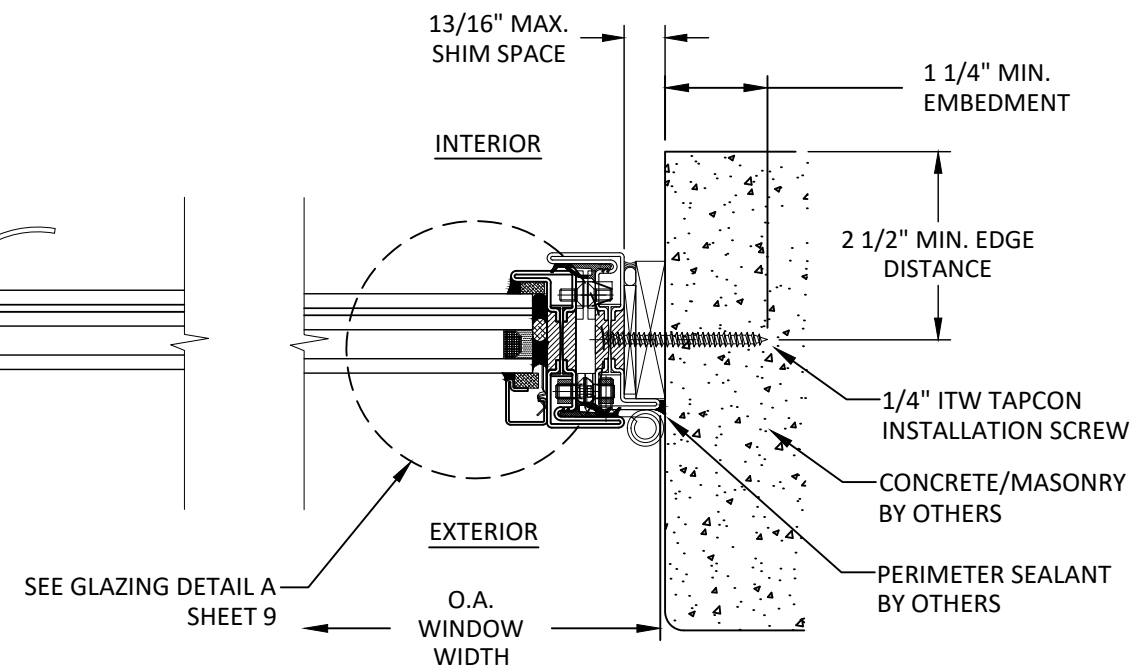
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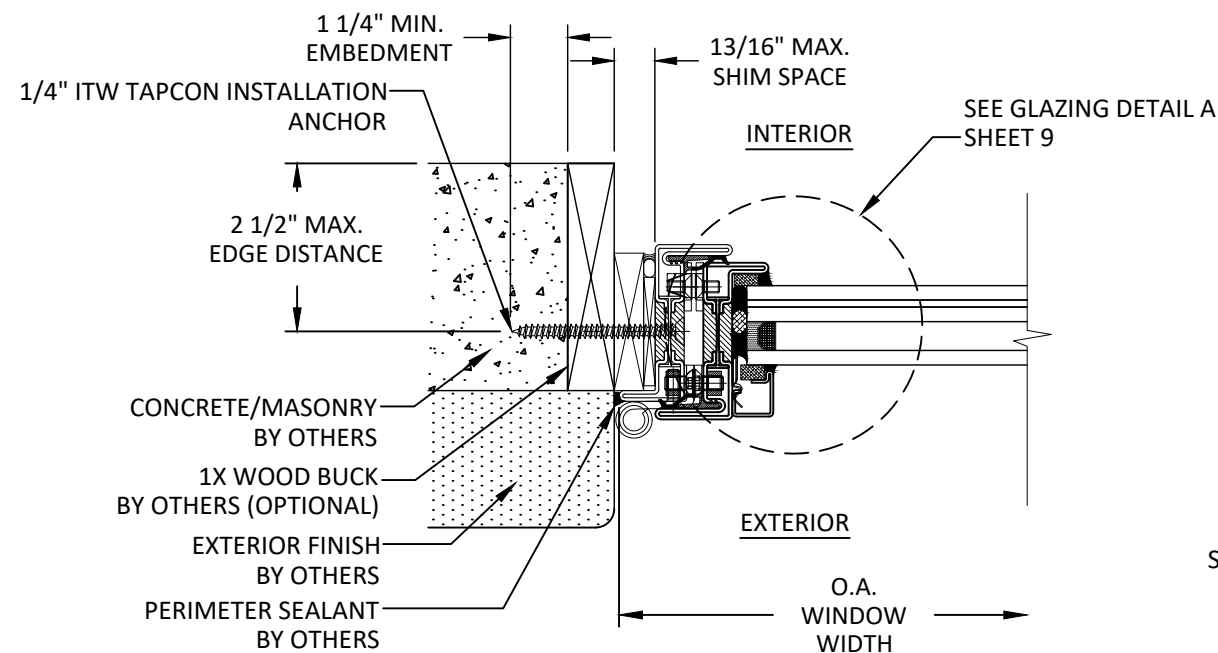
K
10 **HORIZONTAL SECTION**
HINGE JAMB - 2X WOOD FRAME
OUTSIDE GLAZED



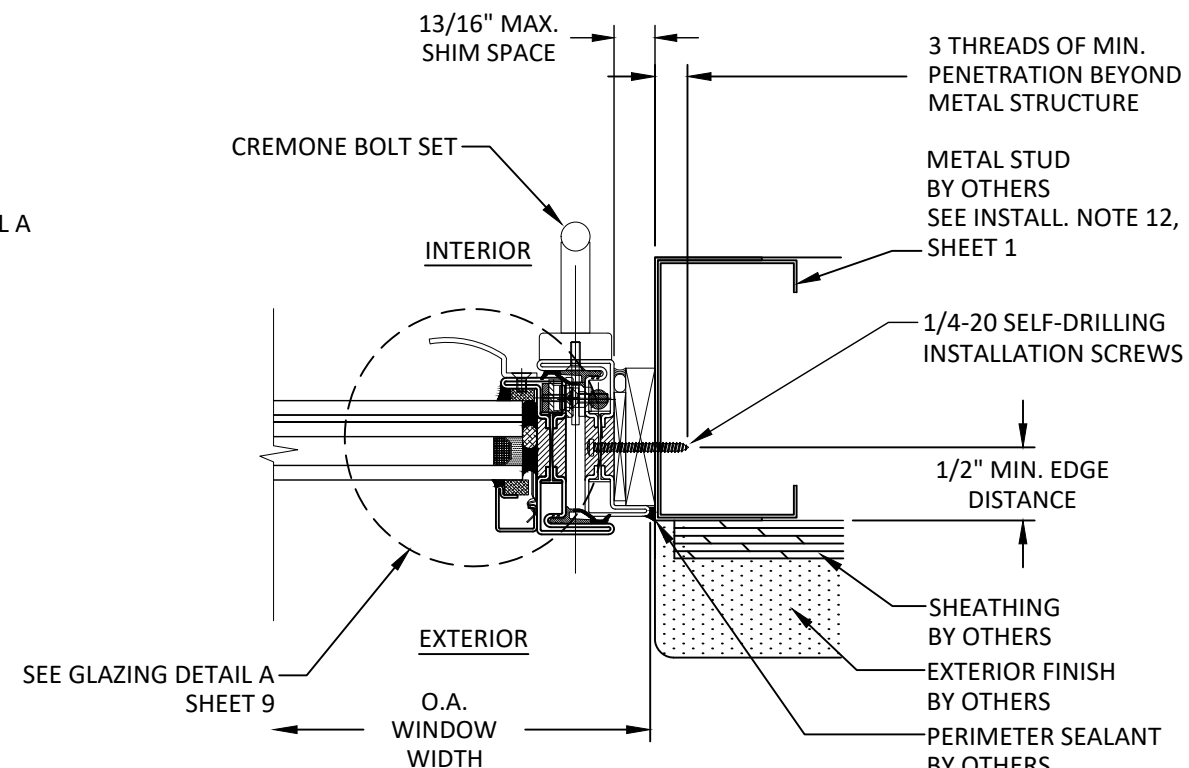
M
10 **HORIZONTAL SECTION**
CROSS SECTION
OUTSIDE GLAZED



N
10 **HORIZONTAL SECTION**
HINGE JAMB - CONCRETE/MASONRY
OUTSIDE GLAZED



L
10 **HORIZONTAL SECTION**
HINGE JAMB - 1X WOOD BUCK / CONCRETE/MASONRY
OUTSIDE GLAZED



O
10 **HORIZONTAL SECTION**
LOCK JAMB - METAL STUD FRAME
OUTSIDE GLAZED

BROMBAL
LUXURY METAL WINDOWS AND DOORS

BROMBAL ITALY
VIA VALLA, 24
31030 CASELLE DI ALTIVOLE

TITLE: BROMBAL ITALY FARO SERIES
CASEMENT WINDOW
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

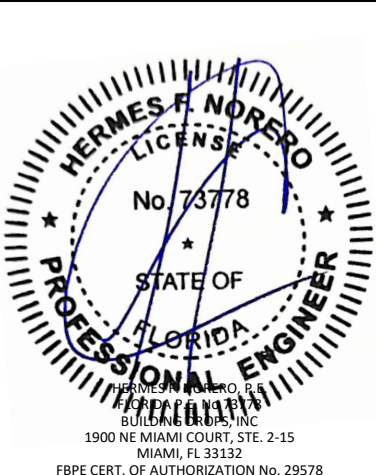
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
FBC UPDATES	SM	07/21
NAME UPDATES	SM	12/22
2026 CODE UPDATE	SH	07/26

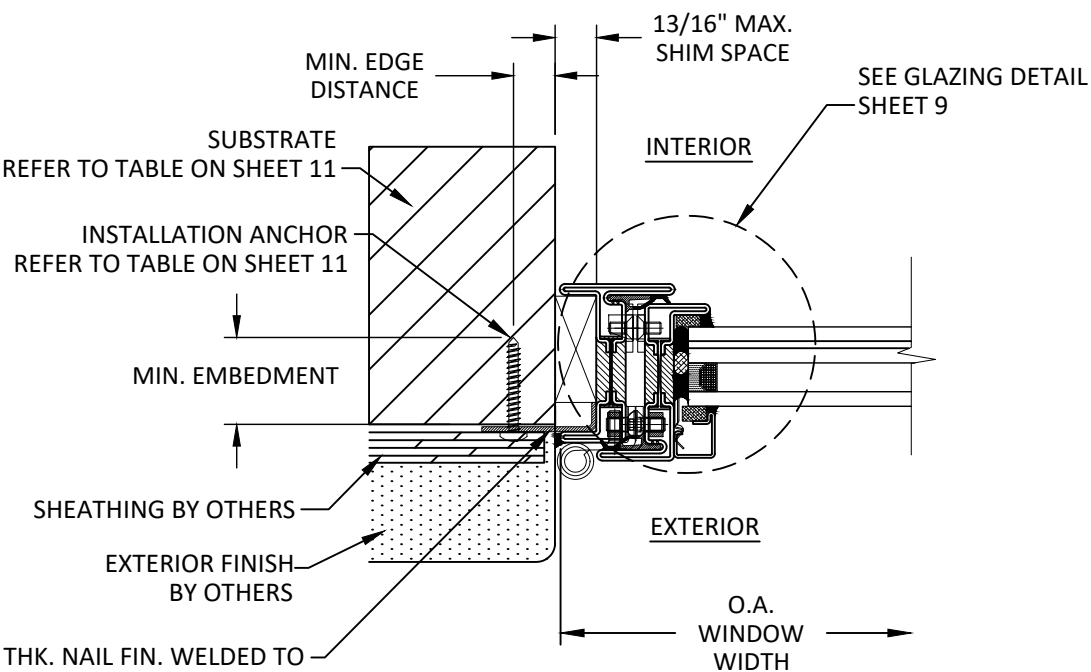
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL18655
DATE:	10.09.15
DWG. BY:	LMS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	BRB005
SHEET:	10

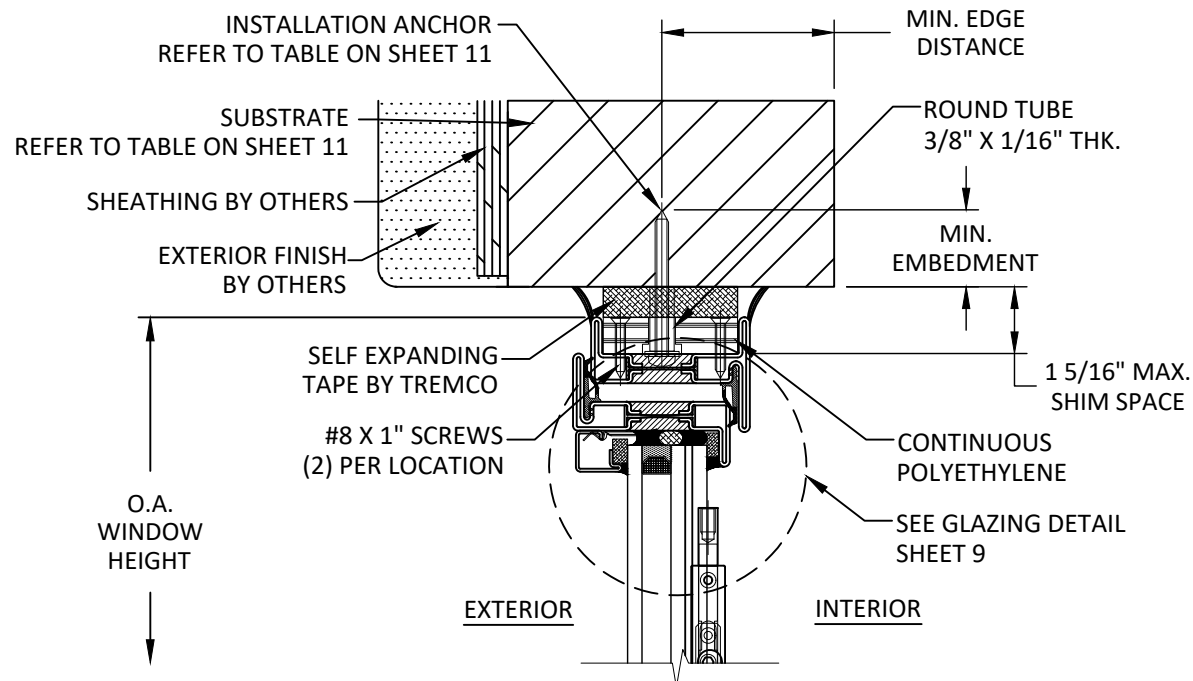
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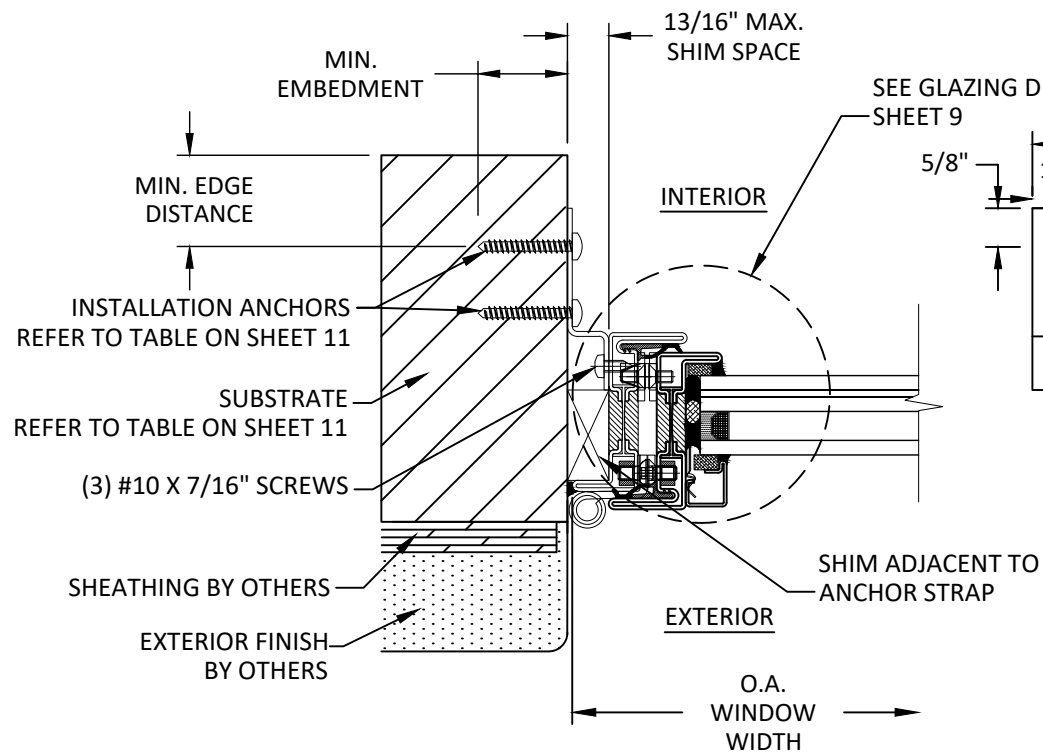


MIN. 0.079" THK. NAIL FIN. WELDED TO FRAME FOR STAINLESS TO STAINLESS & STEEL TO STEEL. FOR NAIL FIN SCREWED TO FRAME APPLICATIONS, NAIL FIN SHALL BE INSTALLED FOR SEALING & WEATHER PROOFING PURPOSES ONLY AND INSTALLATION SHALL USE ADDITIONAL ANCHOR STRAP OR THRU FRAME INSTALLATION METHODS.

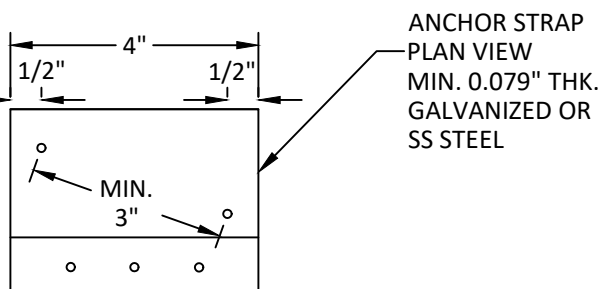
P 11 HORIZONTAL SECTION
NAIL FIN INSTALLATION
TYP. INSTALLATION - HEAD/JAMB/SILL



Q 11 VERTICAL SECTION
DEFLECTION ANCHOR
TYP. INSTALLATION - HEAD ONLY



R 11 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 P/11	MIN. S.G. = 0.55 WOOD	#12 WOOD SCREW	1.5"	0.75"	4"	8"	8"	8"
	18 GAUGE STEEL, MIN fy = 33 ksi	#12 PAN HEAD SCREW	3 THREADS PENETRATION	0.75"	4"	8"	8"	8"
THRU STRAP DETAIL R/11	MIN. S.G. = 0.55 WOOD	#12 WOOD SCREW	1.5"	0.75"	Refer to Elevations on Sheets 2-6 for Anchor Layout			
	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"				
THRU FRAME (DEFLECTION ANCHOR) DETAIL Q/11	MIN. S.G. = 0.55 WOOD	#12 WOOD SCREW	1.5"	0.75"	Refer to Elevations on Sheets 2-6 for Anchor Layout			
	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"				

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FL #:

FL18655

DATE: **10.09.15**

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

SCALE: **NTS**

DWG. #: **BRB005**

SHEET: **11** REV. **C**