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# JELD-WEN, inc.

## CUSTOM COLLECTION ALUMINUM CLAD WOOD OUTSWING PATIO DOORS (HVHZ) (IMPACT)



JELD-WEN, inc.  
3737 LAKEPORT BOULEVARD  
KLAMATH FALLS, OR 97601  
PH: (541) 882-3451 FX: (541) 850-2609

### 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 OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH (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.
- THROUGH FRAME:** FOR INSTALLATION INTO 2X WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- THROUGH FRAME:** 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.
- ANCHOR STRAP:** FOR INSTALLATION INTO 2X WOOD FRAMING USE TWO (2) #8 WOOD SCREWS PER ANCHOR STRAP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- ANCHOR STRAP:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY USE TWO (2) 1/4 INCH DIAMETER ITW TAPCONS PER ANCHOR STRAP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- 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.
  - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
  - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

### 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 AND 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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: PRESSURE TREATED PINE
- DOOR CLADDING MATERIAL: ALUMINUM 6063-T5
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN FBC CHAPTER 20.
- WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN FBC CHAPTER 23.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 10 FOR GLAZING DETAILS.

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MISSILE IMPACT RATING
LARGE & SMALL MISSILE IMPACT

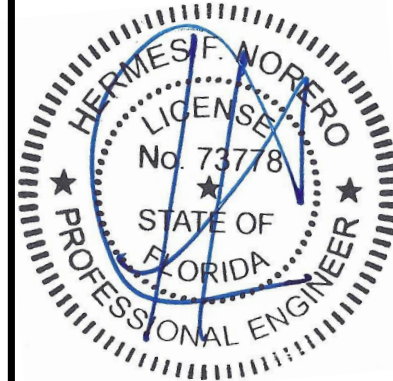
TITLE: CUSTOM CLAD WOOD OUTSWING DOORS (HVHZ) (IMPACT) INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
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REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.30.20
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FLORIDA P.E. No 73778  
BUILDING DROPS, INC  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

DATE:	06.21.13	
DWG. BY:	ADS	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	JW016	

SHEET  
**1**  
OF 11

TITLE: **CUSTOM CLAD  
WOOD OUTSWING DOORS  
(HVHZ) (IMPACT)  
ELEVATION & ANCHOR LAYOUT  
(1)**

PREPARED BY:  
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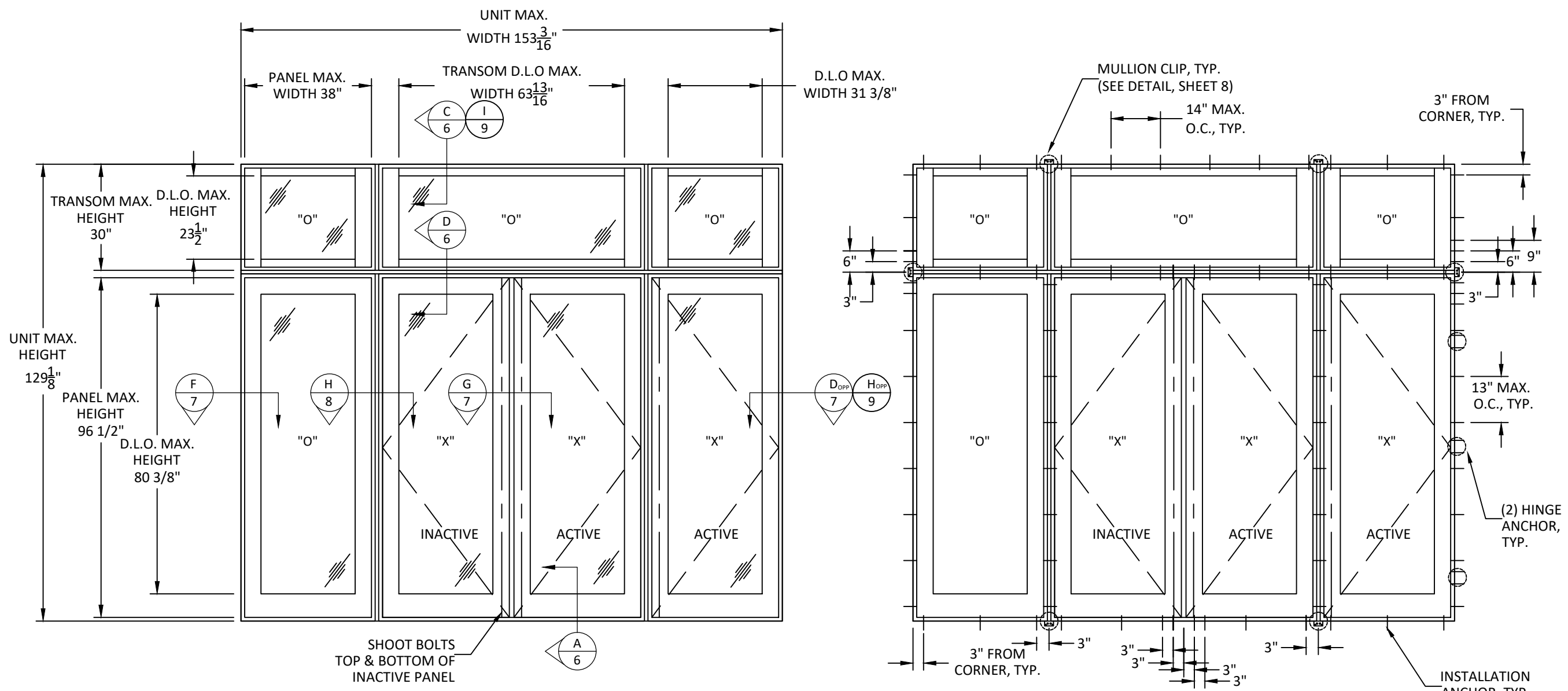
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SHEET	

**2**



**TYPICAL ELEVATION**

**ANCHOR LAYOUT**

NOTE: (3) ANCHORS REQUIRED AT SHOOT BOLT STRIKES

CONFIGURATION	UNIT WIDTH	UNIT HEIGHT	DESIGN PRESSURE RATING
O-O-O/O-X-X-X	153-3/16"	129-1/8"	+30.0/-30.0 PSF

- NOTE:
1. PRODUCTS SHOWN HEREIN MEET WATER INFILTRATION REQUIREMENTS BASED UPON POSITIVE PRESSURE RATING.
  2. SEE SHEET 10 FOR GLAZING OPTIONS AND REQUIREMENTS.

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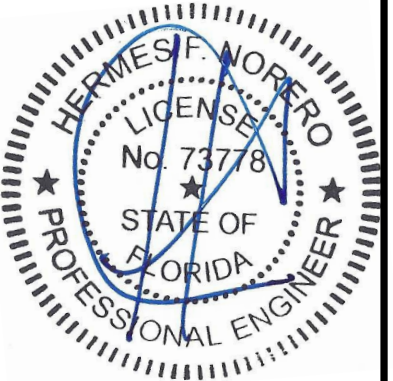
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**CUSTOM CLAD  
WOOD OUTSWING DOORS  
(HVHZ) (IMPACT)  
ELEVATION & ANCHOR LAYOUT (2)**

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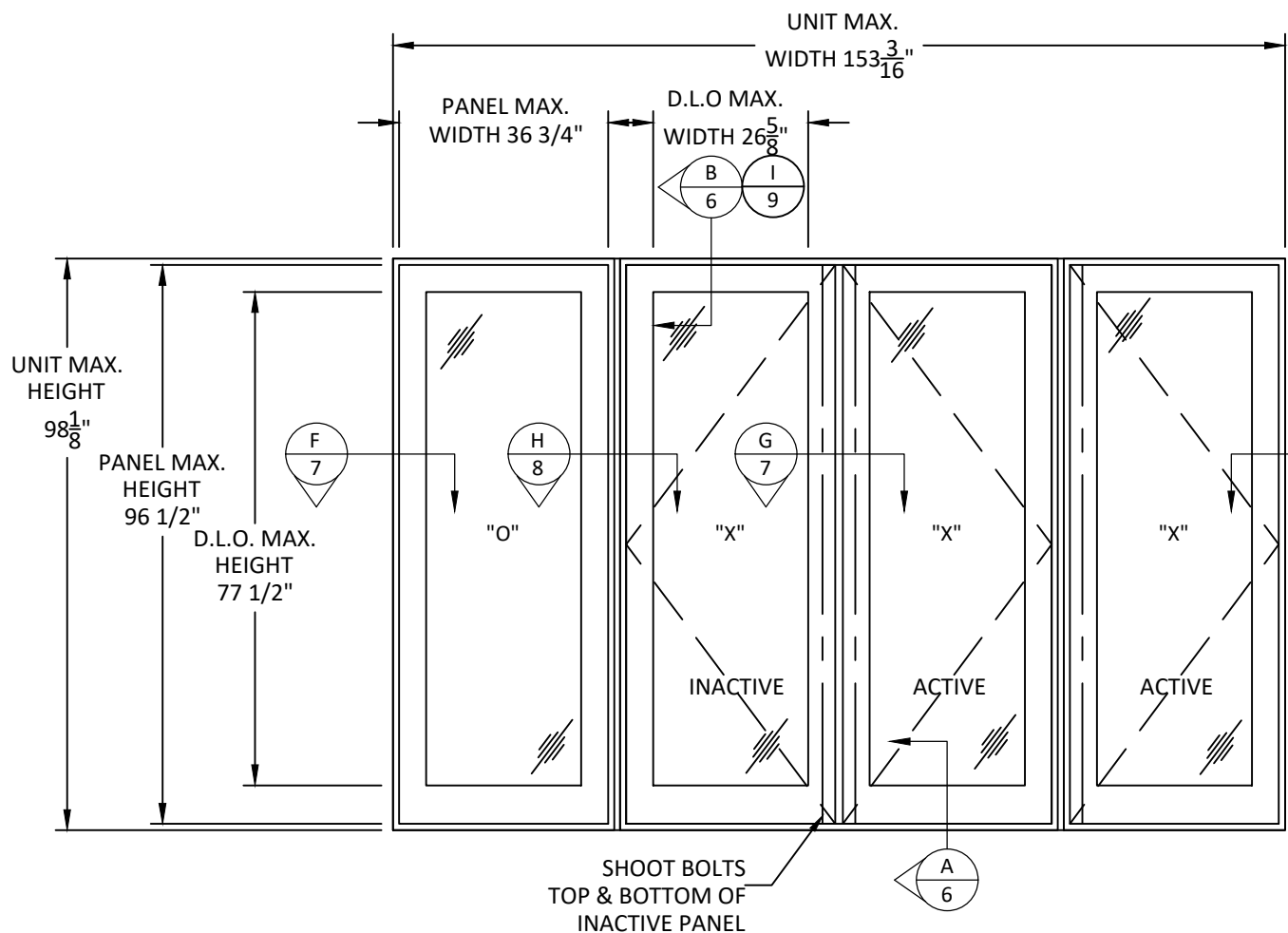
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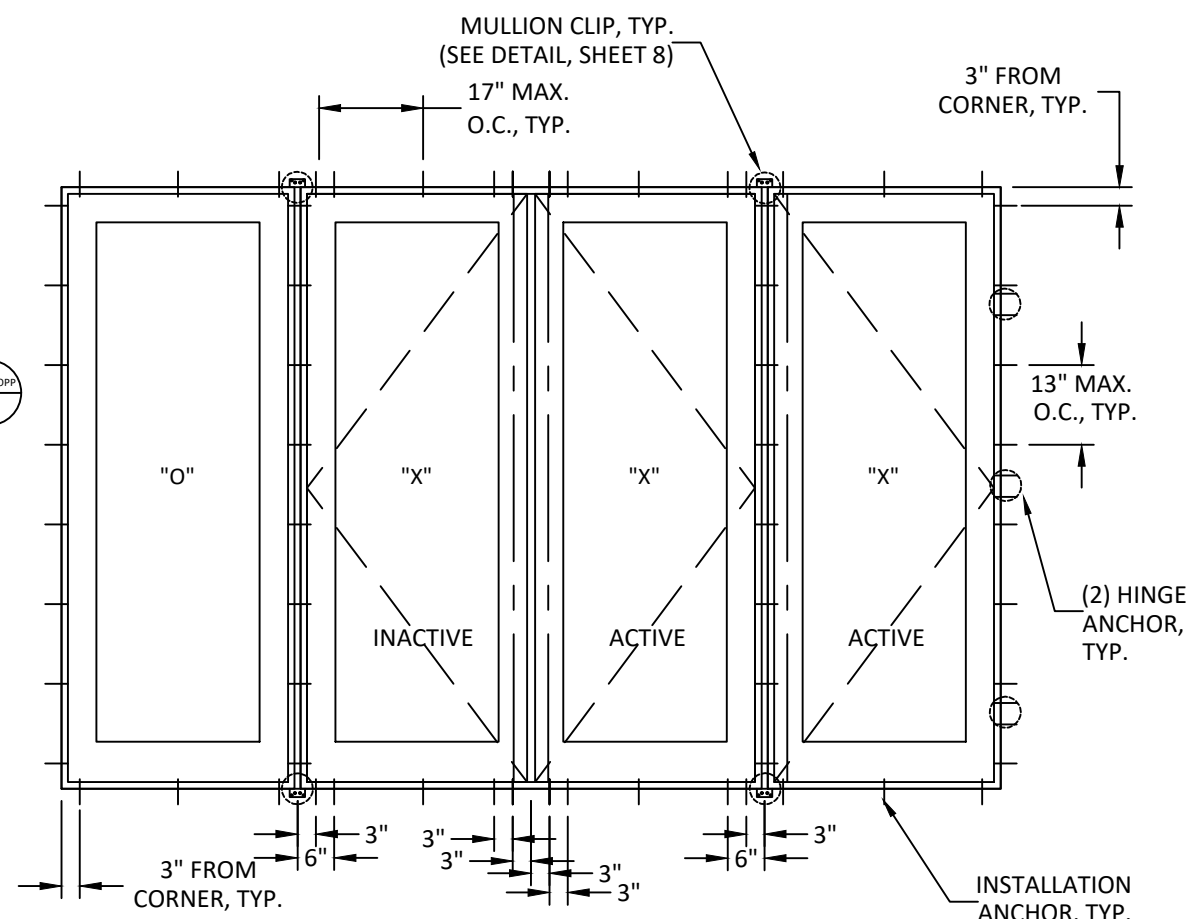
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**3**



**TYPICAL ELEVATION**



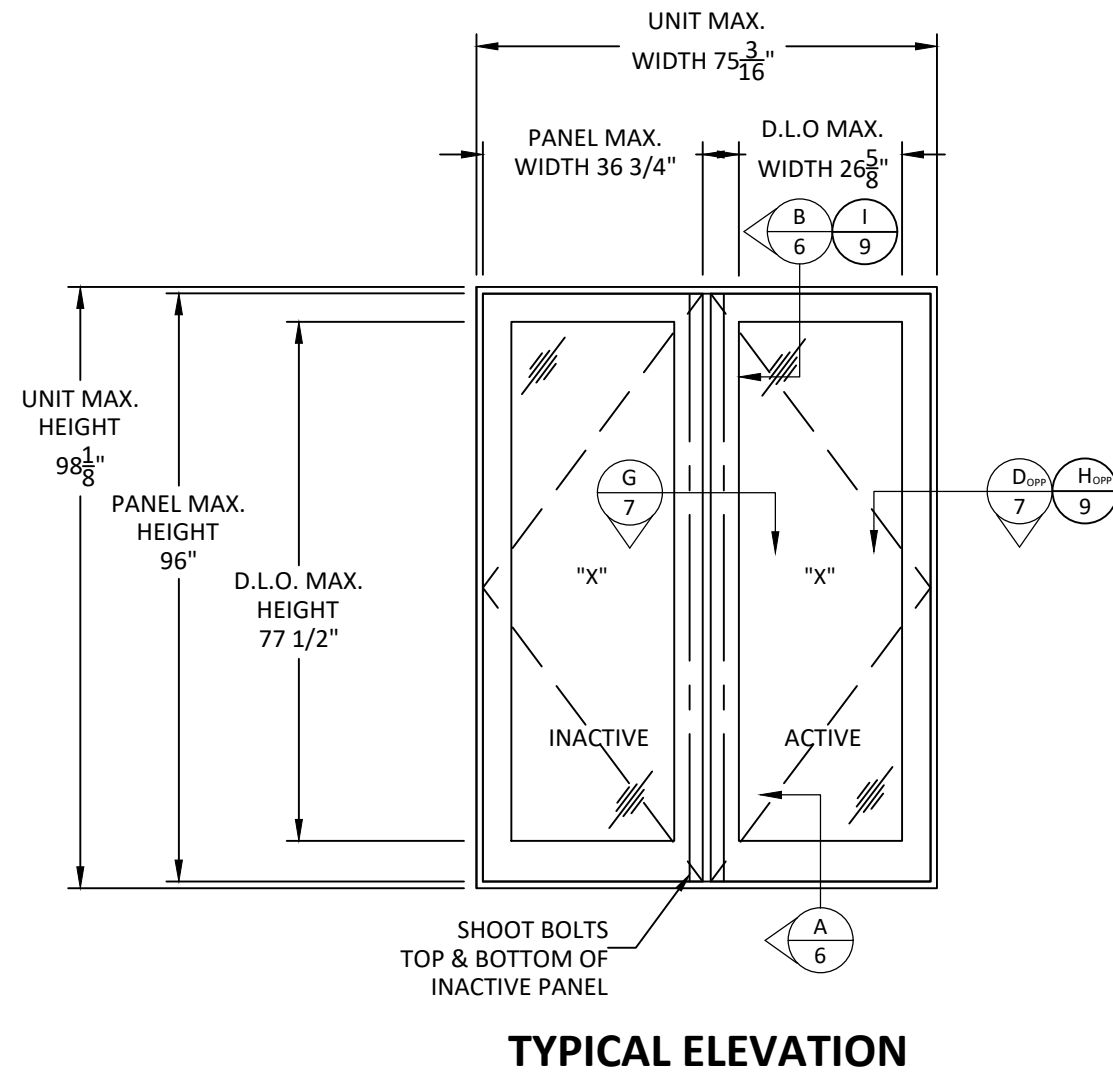
**ANCHOR LAYOUT**

NOTE: (3) ANCHORS REQUIRED AT SHOOT BOLT STRIKES

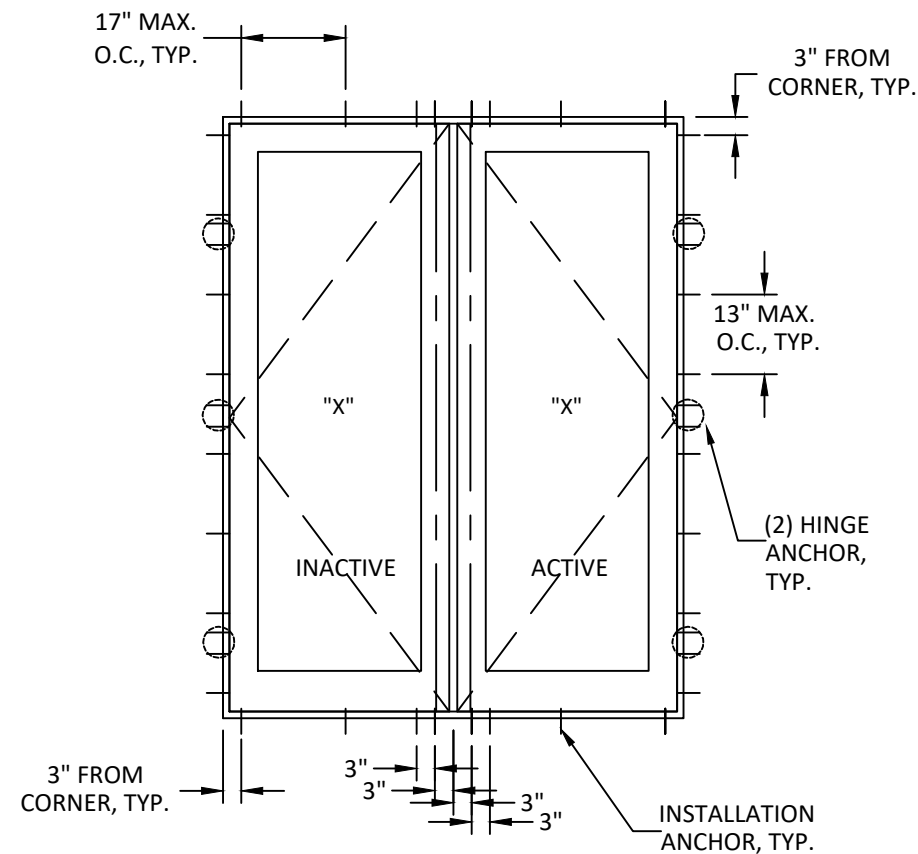
CONFIGURATION	UNIT WIDTH	UNIT HEIGHT	DESIGN PRESSURE RATING
O-X-X-X	153-3/16"	98-1/8"	+60.0/-80.0 PSF

- NOTE:
1. PRODUCTS SHOWN HEREIN MEET WATER INFILTRATION REQUIREMENTS BASED UPON POSITIVE PRESSURE RATING.
  2. SEE SHEET 10 FOR GLAZING OPTIONS AND REQUIREMENTS.

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**TYPICAL ELEVATION**



**ANCHOR LAYOUT**

NOTE: (3) ANCHORS REQUIRED AT SHOOT BOLT STRIKES

CONFIGURATION	UNIT WIDTH	UNIT HEIGHT	DESIGN PRESSURE RATING
XX	75-3/16"	98-1/8"	+60.0/-80.0 PSF

- NOTE:
1. PRODUCTS SHOWN HEREIN MEET WATER INFILTRATION REQUIREMENTS BASED UPON POSITIVE PRESSURE RATING.
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(HVHZ) (IMPACT)  
ELEVATION & ANCHOR LAYOUT  
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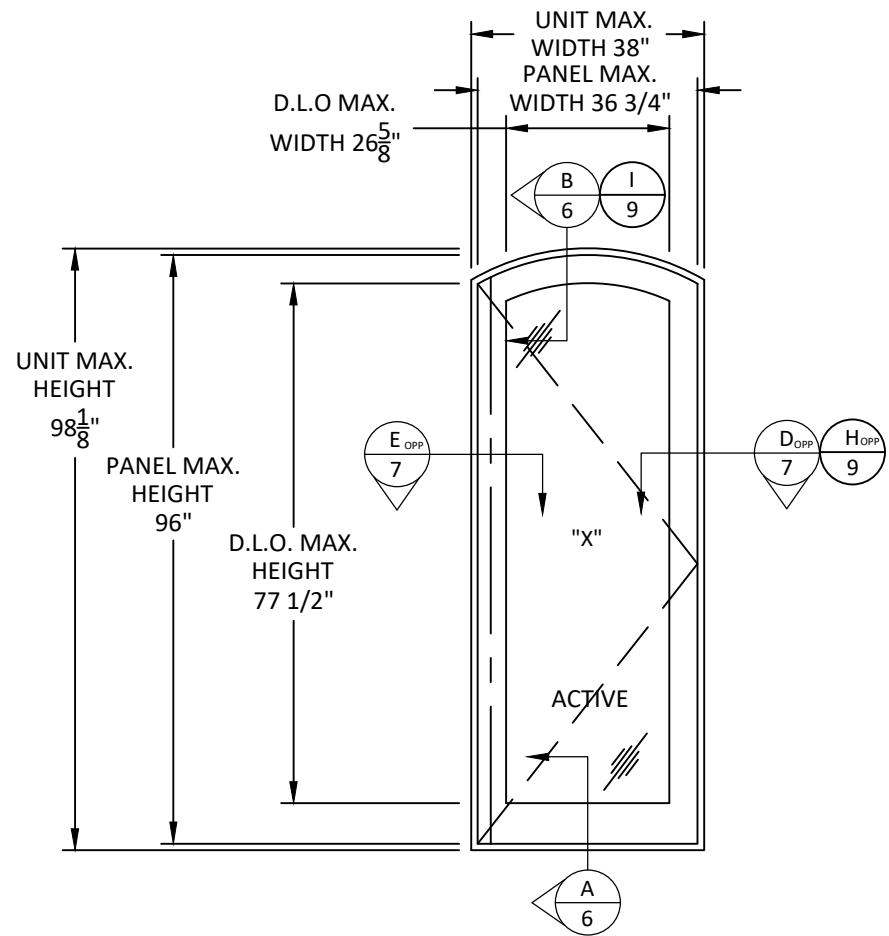
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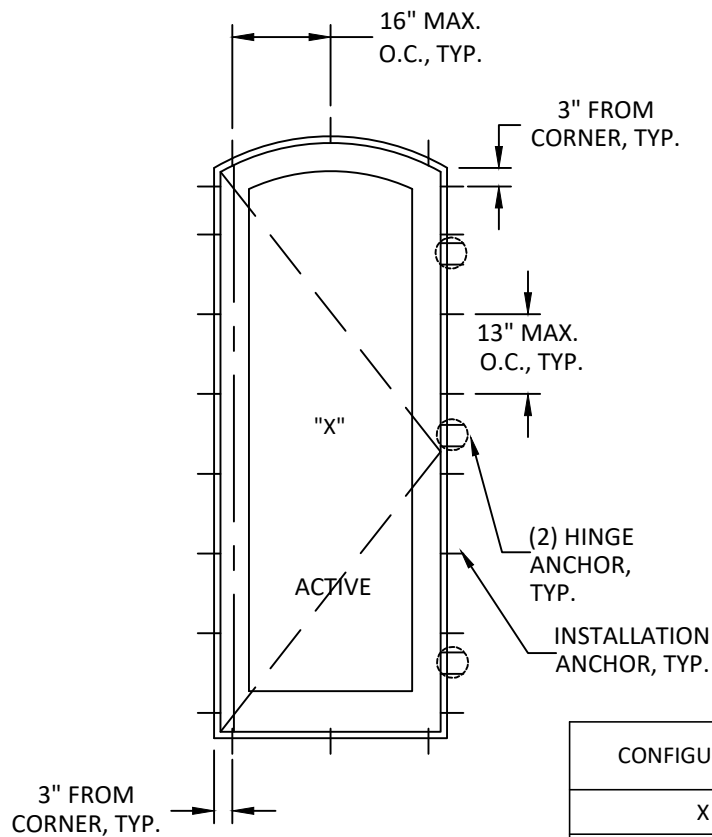
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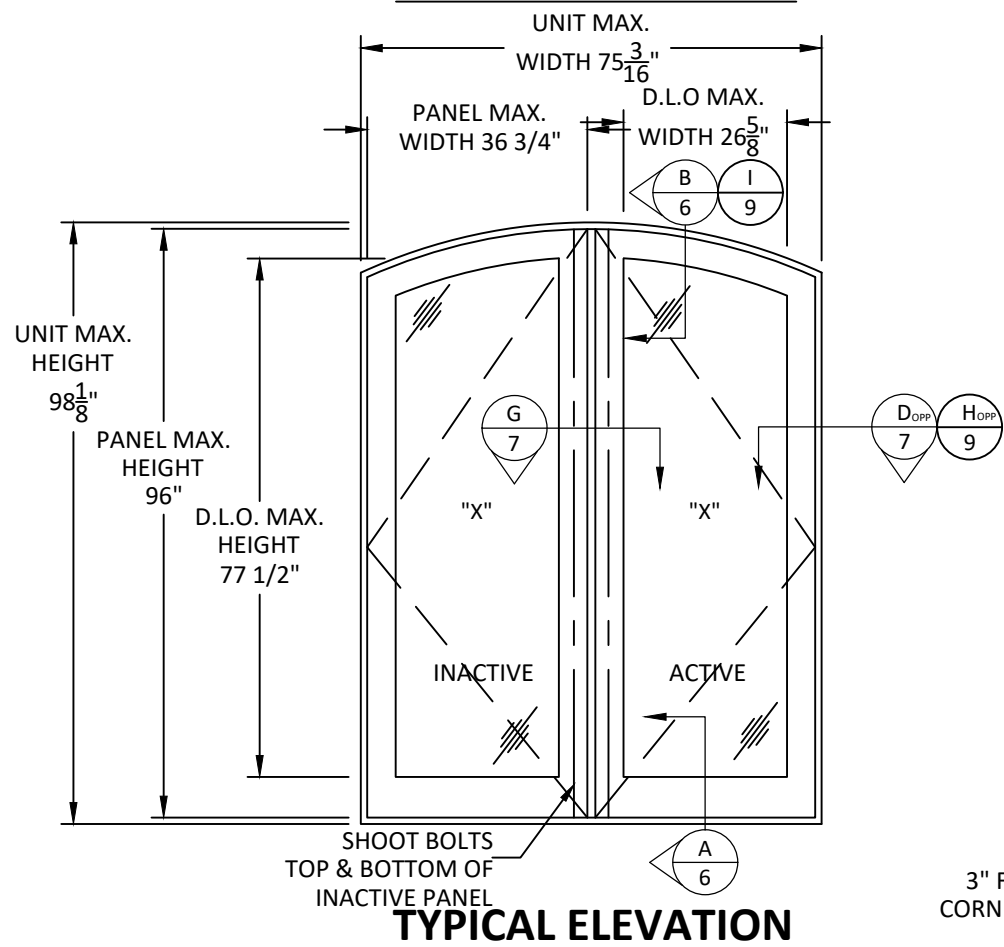
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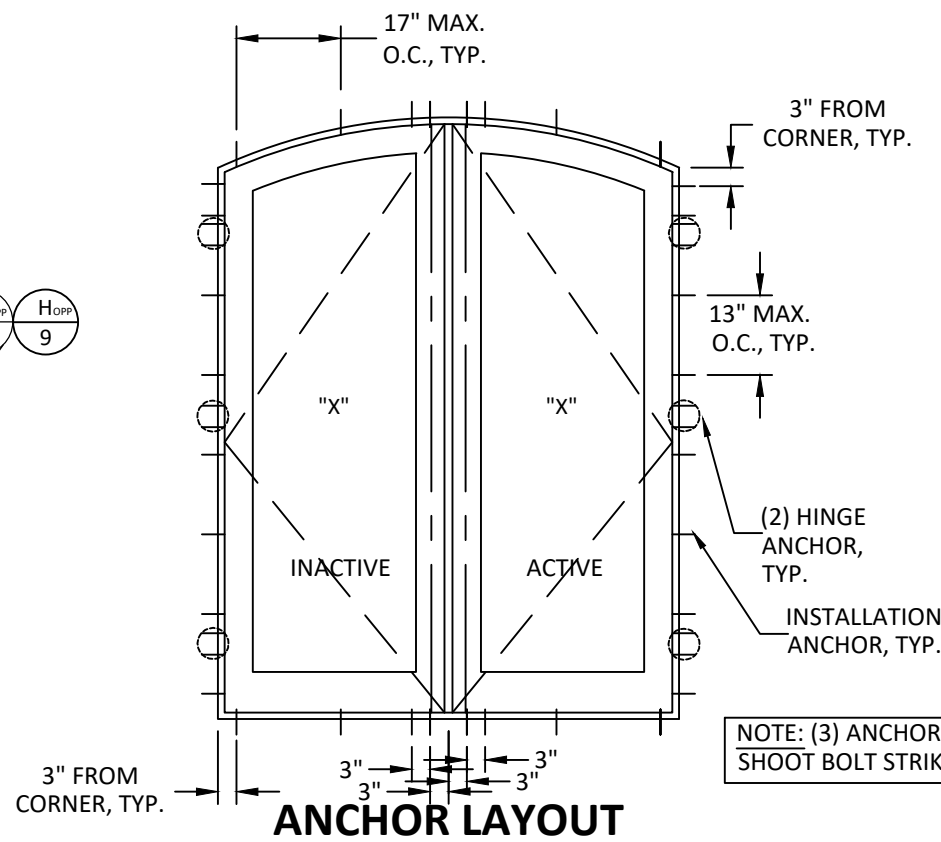
**ANCHOR LAYOUT**

CONFIGURATION	UNIT WIDTH	UNIT HEIGHT	DESIGN PRESSURE RATING
X	38"	98-1/8"	+60.0/-80.0 PSF
XX	75-3/16"	98-1/8"	+60.0/-80.0 PSF

- NOTE:**
1. PRODUCTS SHOWN HEREIN MEET WATER INFILTRATION REQUIREMENTS BASED UPON POSITIVE PRESSURE RATING.
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**TYPICAL ELEVATION**



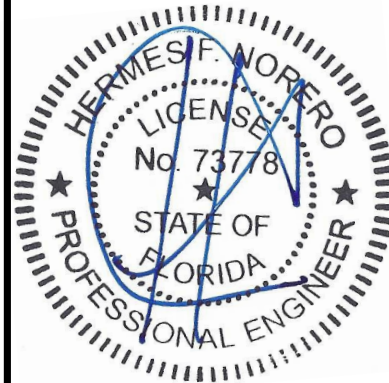
**ANCHOR LAYOUT**

**TITLE:**  
CUSTOM CLAD  
WOOD OUTSWING DOORS  
(HVHZ) (IMPACT)  
ELEVATIONS & ANCHOR LAYOUTS  
(4)

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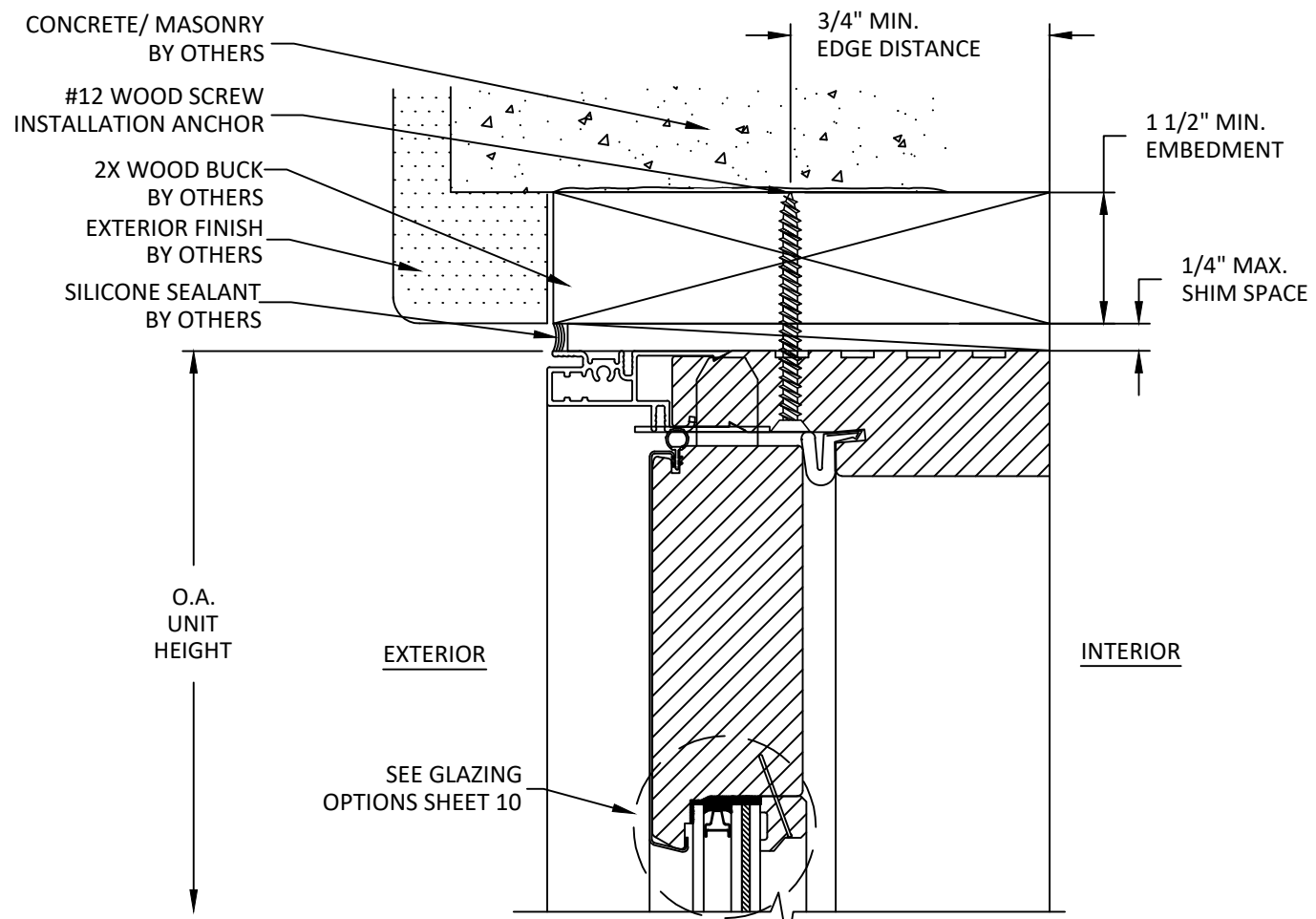


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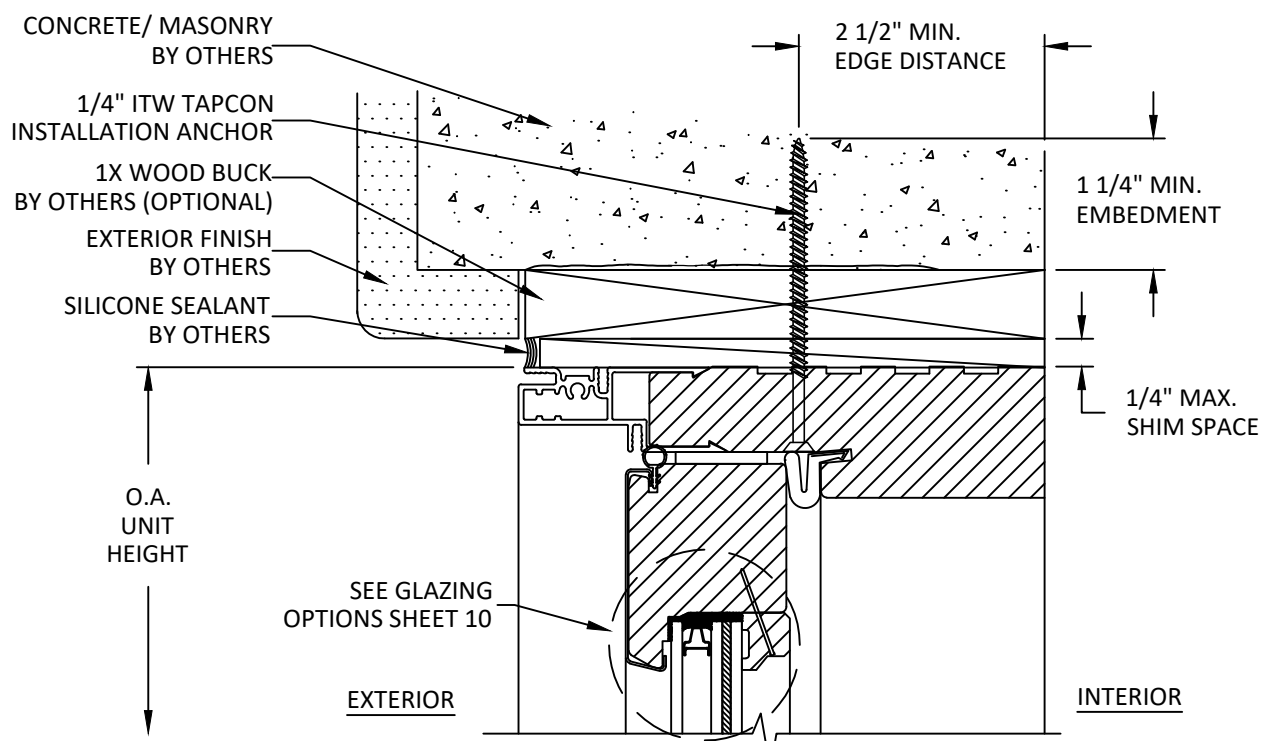
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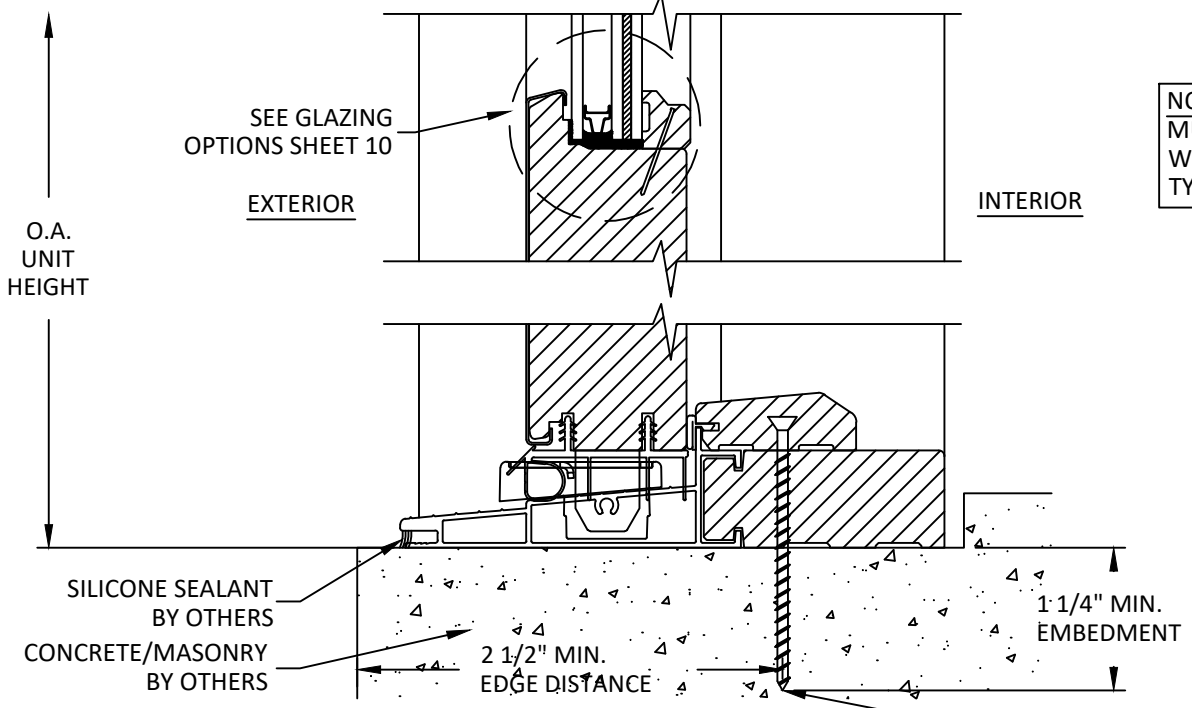
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**B**  
**6** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
THROUGH FRAME INSTALLATION, TYP.

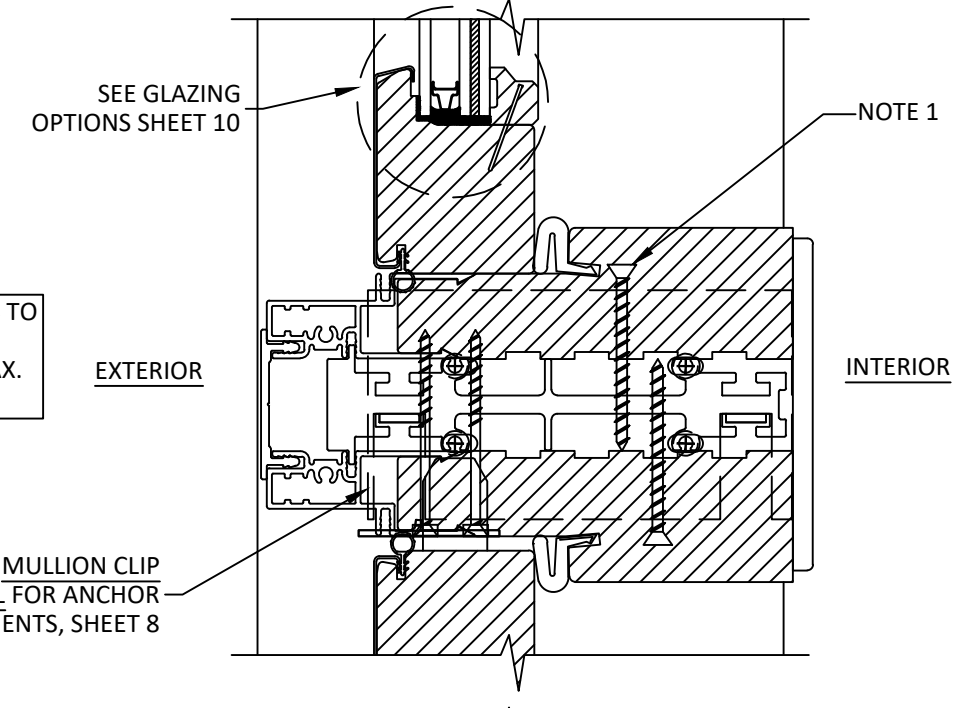


**C**  
**6** **VERTICAL SECTION**  
TRANSOM HEAD - CONCRETE/MASONRY  
THROUGH FRAME INSTALLATION, TYP.



**A**  
**6** **VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
THROUGH FRAME INSTALLATION, TYP.

NOTE 1: FASTEN DOOR FRAMES TO  
MULLIONS USING #10 X 2" FH  
WOOD SCREWS AT 14" O.C. MAX.  
TYP.



**D**  
**6** **VERTICAL SECTION**  
HORIZONTAL MULLION, TYP.



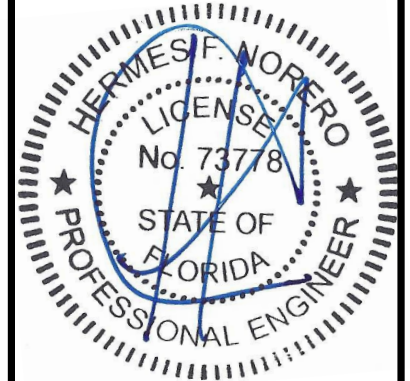
JELD-WEN, inc.  
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(HVHZ) (IMPACT)  
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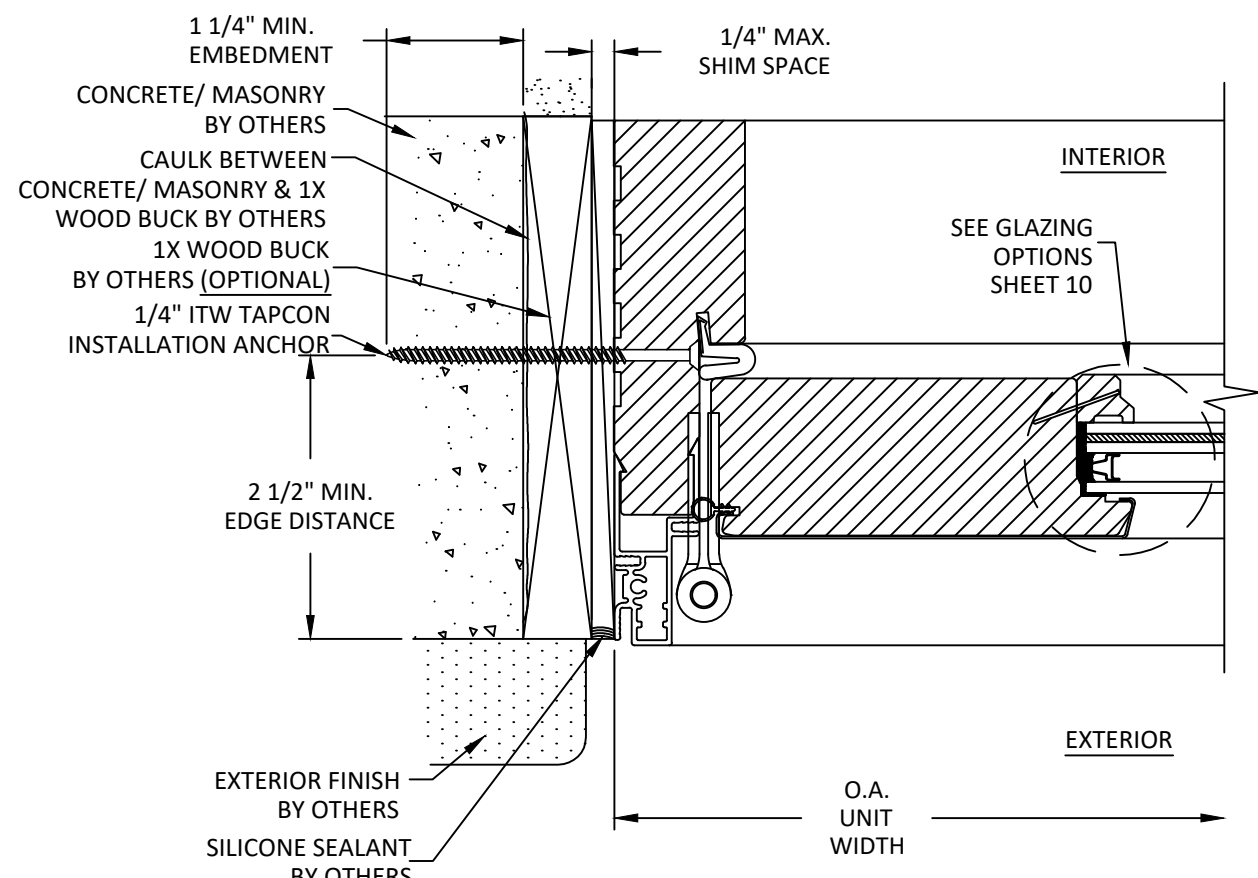


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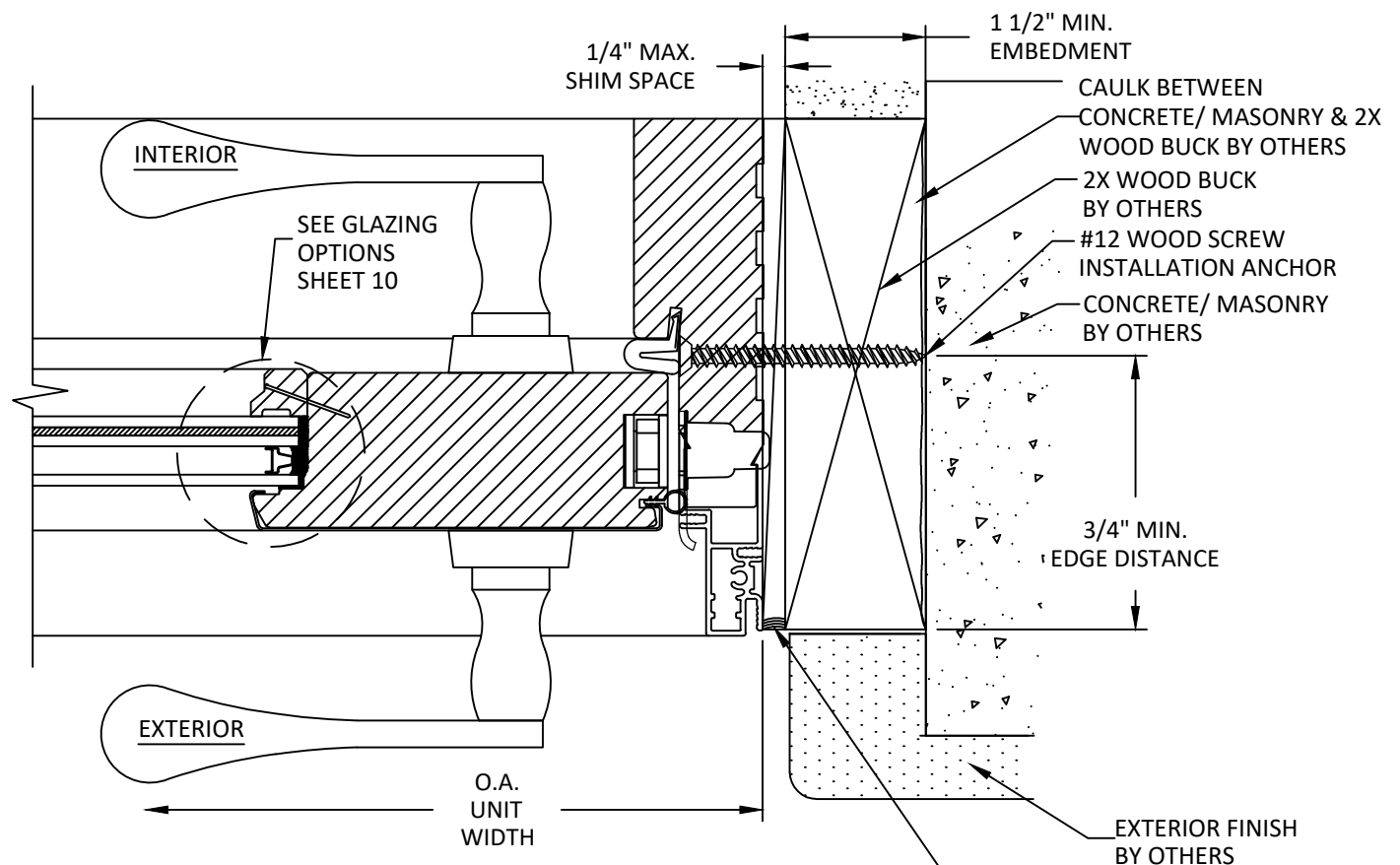
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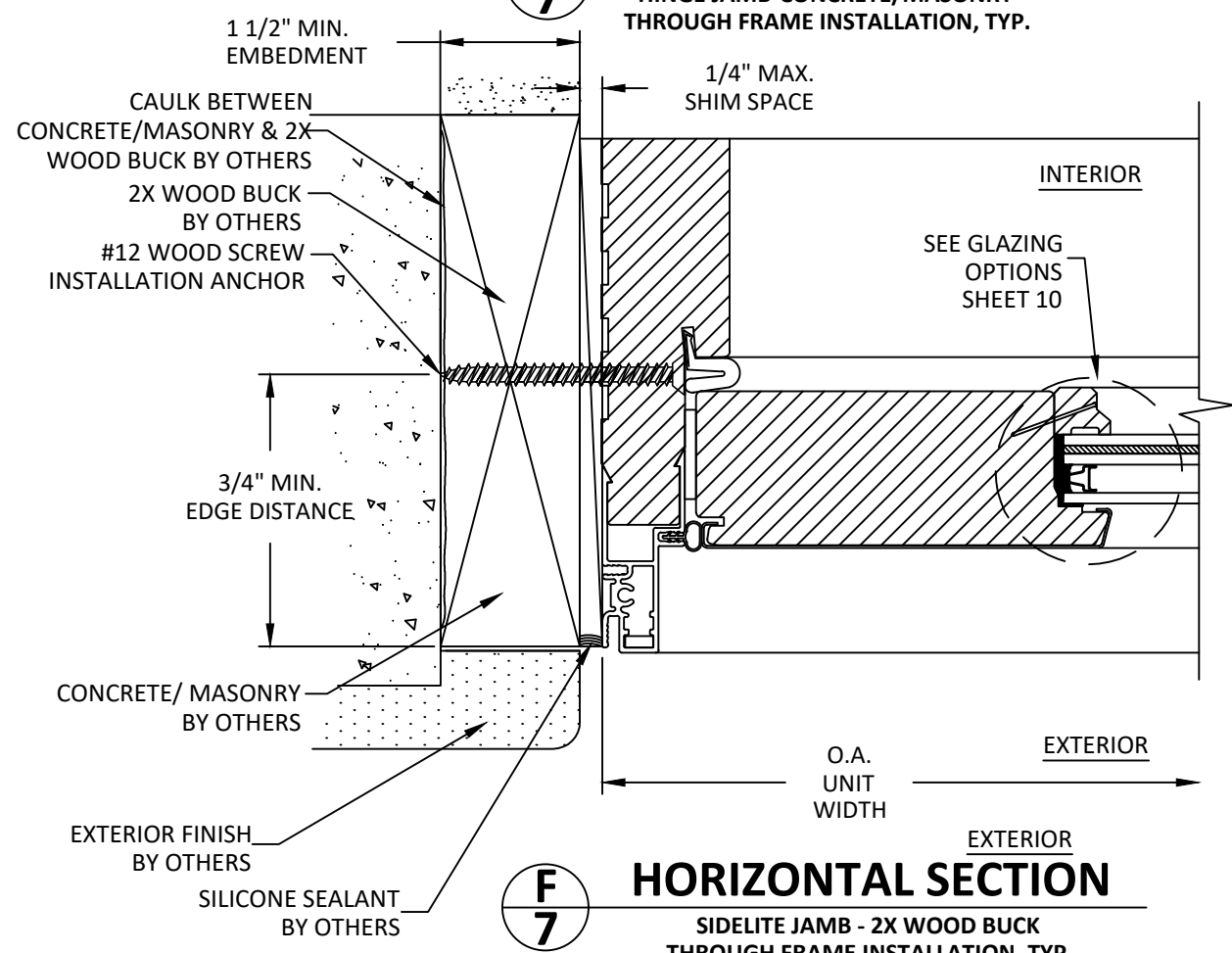
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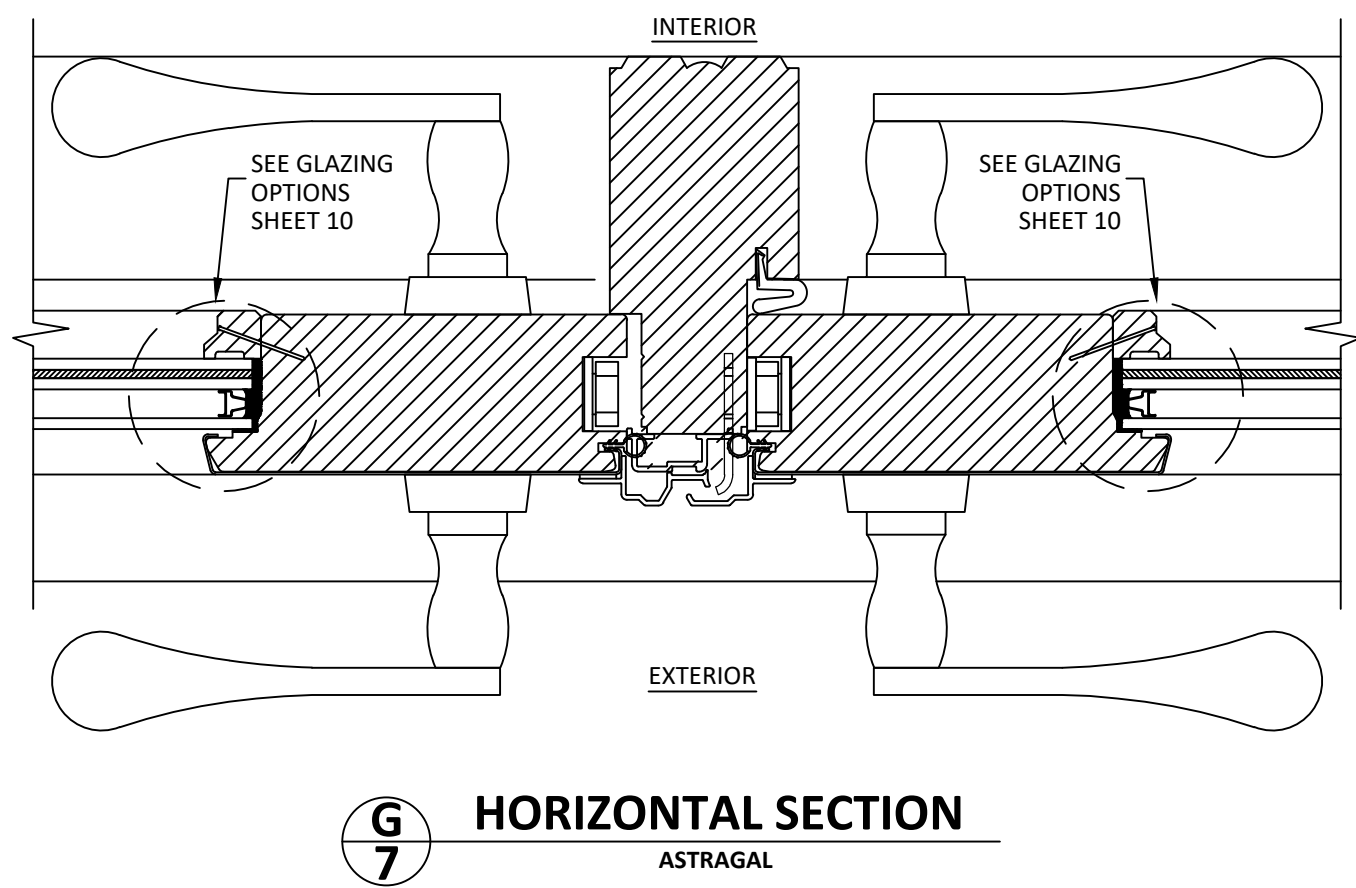
**D**  
**7**  
**HORIZONTAL SECTION**  
**HINGE JAMB-CONCRETE/MASONRY**  
**THROUGH FRAME INSTALLATION, TYP.**



**E**  
**7**  
**HORIZONTAL SECTION**  
**LOCK JAMB-2X WOOD BUCK**  
**THROUGH FRAME INSTALLATION, TYP.**



**F**  
**7**  
**HORIZONTAL SECTION**  
**SIDELITE JAMB - 2X WOOD BUCK**  
**THROUGH FRAME INSTALLATION, TYP.**



**G**  
**7**  
**HORIZONTAL SECTION**  
**ASTRAGAL**



JELD-WEN, inc.  
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**(HVHZ) (IMPACT)**  
HORIZONTAL SECTIONS

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DWG. BY:	<b>ADS</b>	CHK. BY: <b>HFN</b>
SCALE:	<b>NTS</b>	
DWG. #:	<b>JW016</b>	

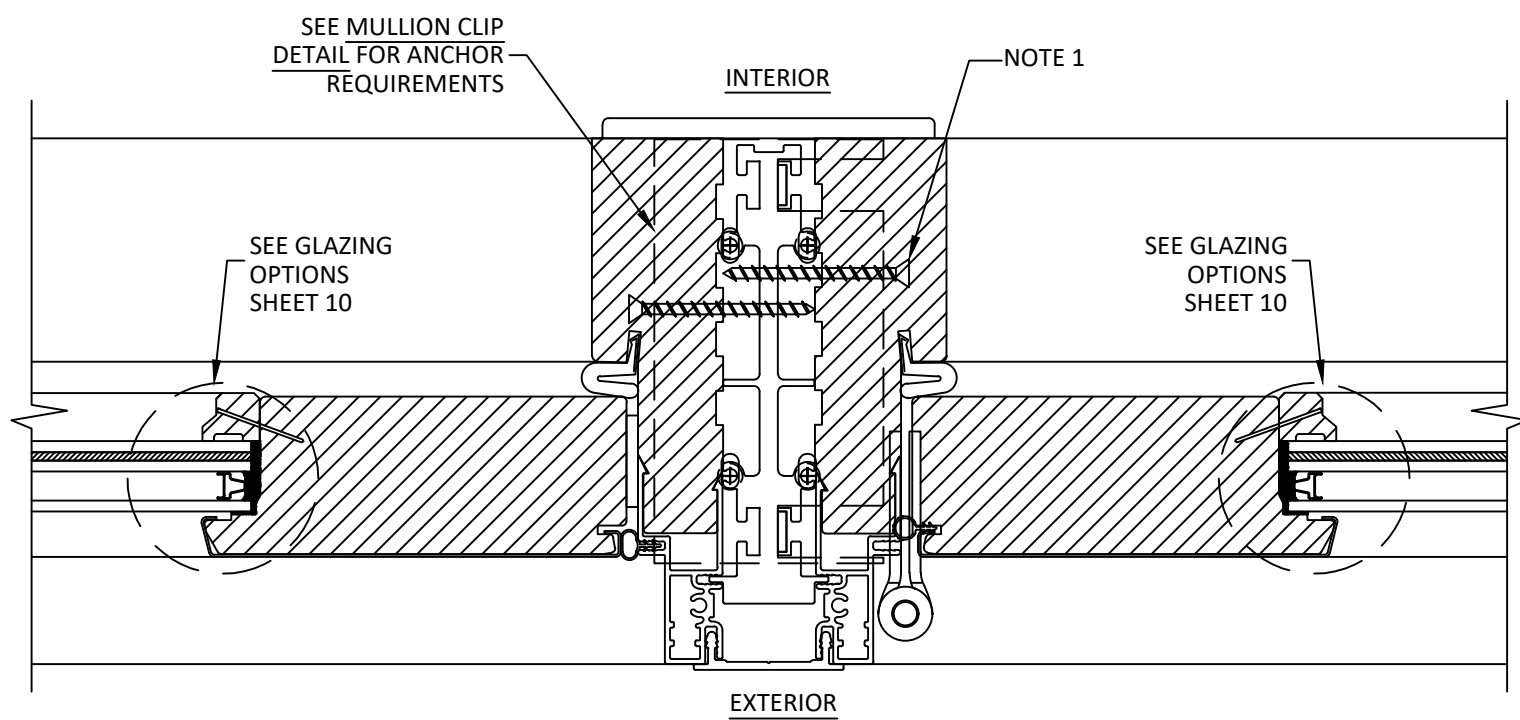
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**7**  
OF 11



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TITLE: **CUSTOM CLAD  
WOOD OUTSWING DOORS  
(HVHZ) (IMPACT)  
HORIZONTAL SECTIONS  
& MULLION CLIP DETAIL**

PREPARED BY: **BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

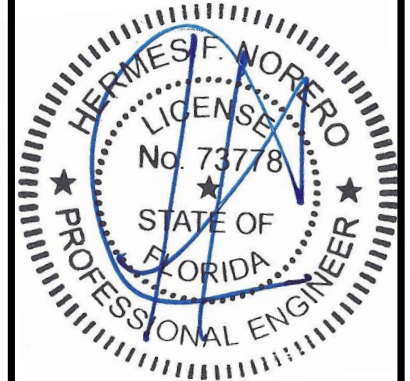


**NOTE 1: FASTEN DOOR FRAMES TO MULLIONS USING #10 X 2" FH WOOD SCREWS AT 14" O.C. MAX. TYP.**

**H**  
**8** **HORIZONTAL SECTION**  
VERTICAL MULLION, TYP.

REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.30.20
8TH FBC CODE CHANGE	MG	2.02.23

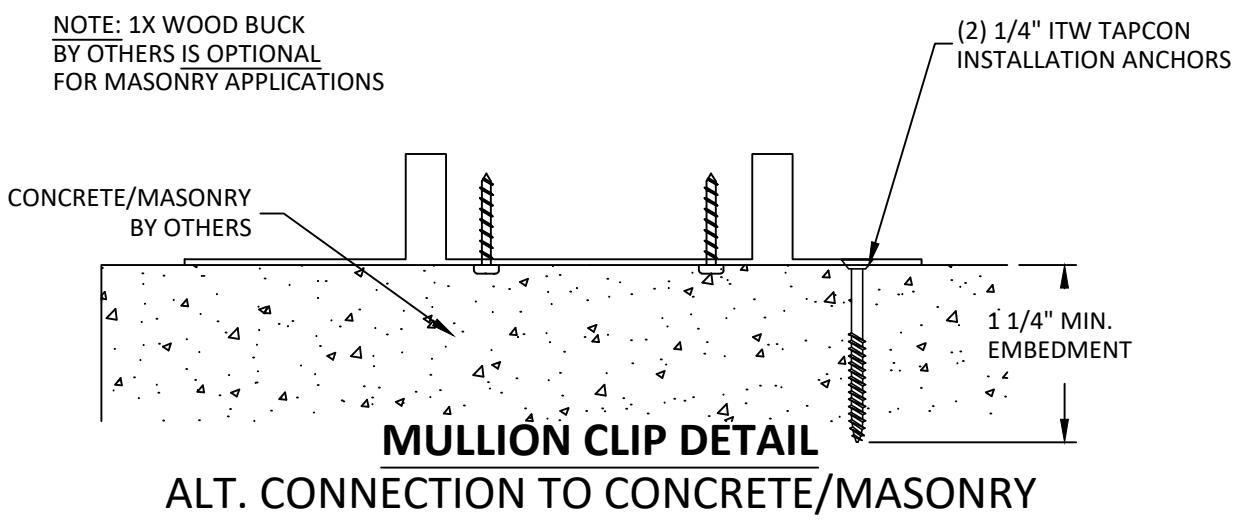
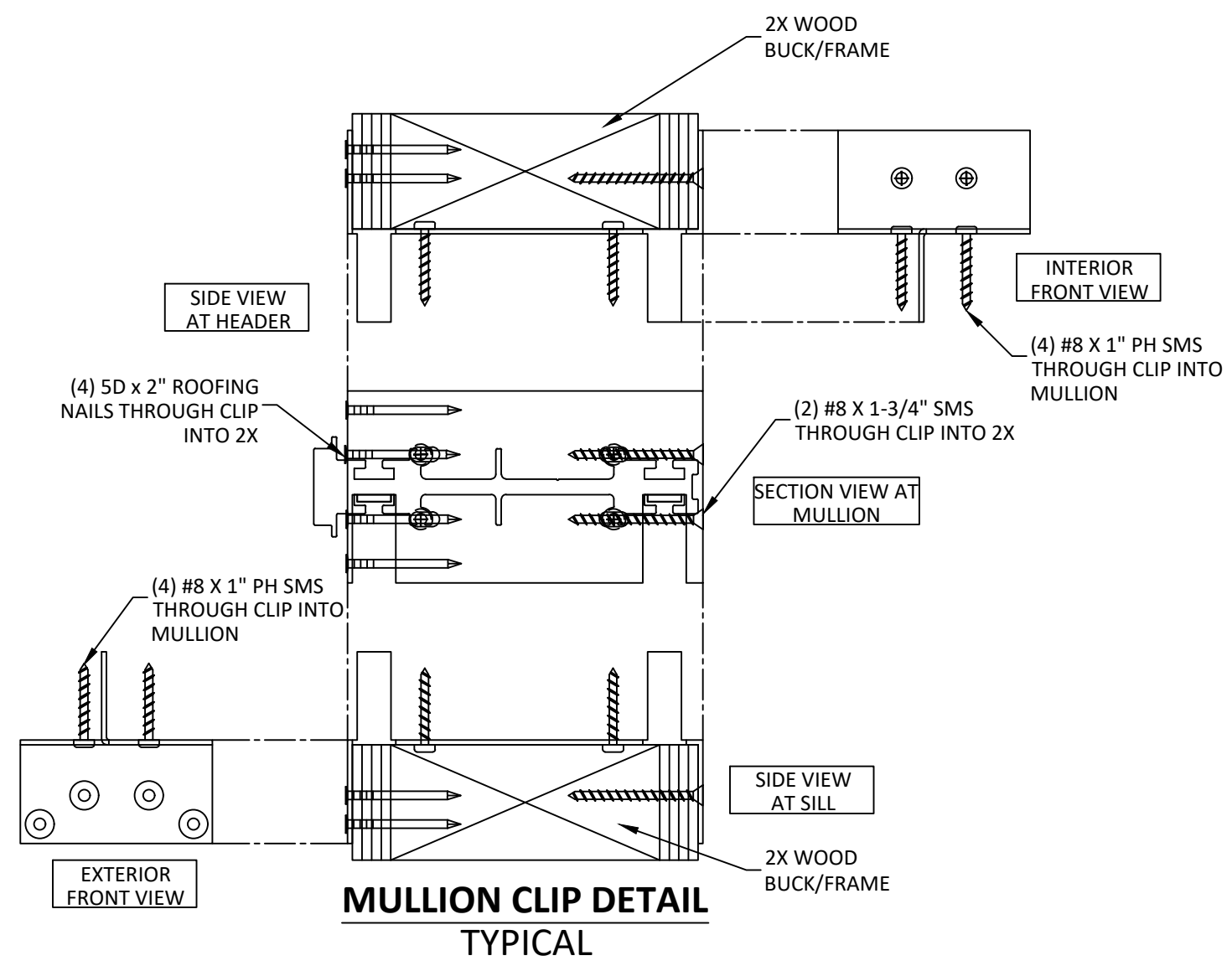
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



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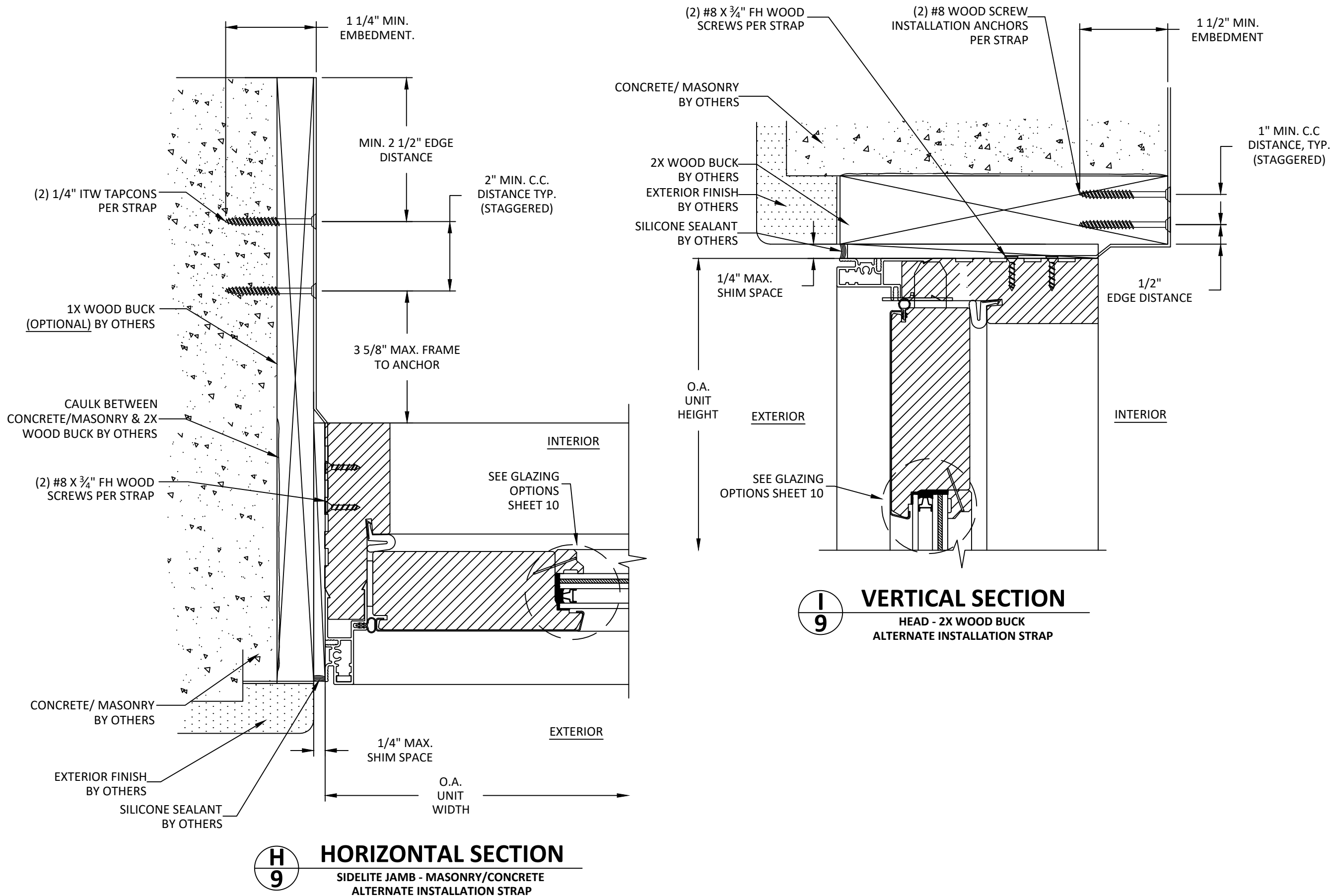
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**MULLION CLIP DETAIL**  
ALT. CONNECTION TO CONCRETE/MASONRY



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 3737 LAKEPORT BOULEVARD  
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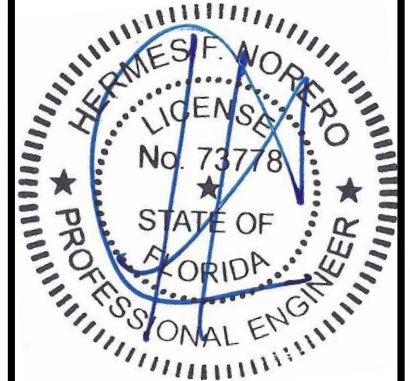
TITLE:  
 CUSTOM CLAD  
 WOOD OUTSWING DOORS  
 (HVHZ) (IMPACT)  
 ALTERNATE INSTALLATION  
 STRAP DETAILS

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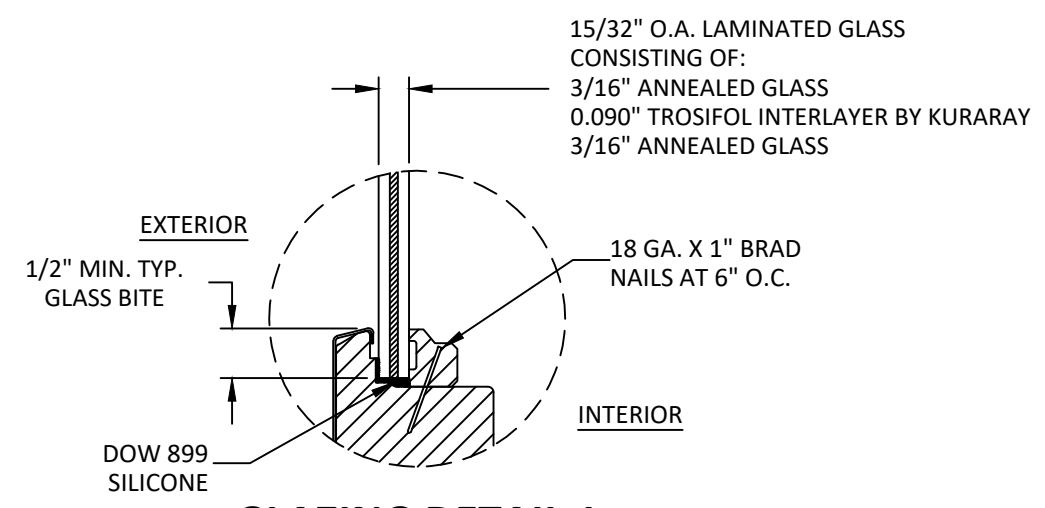
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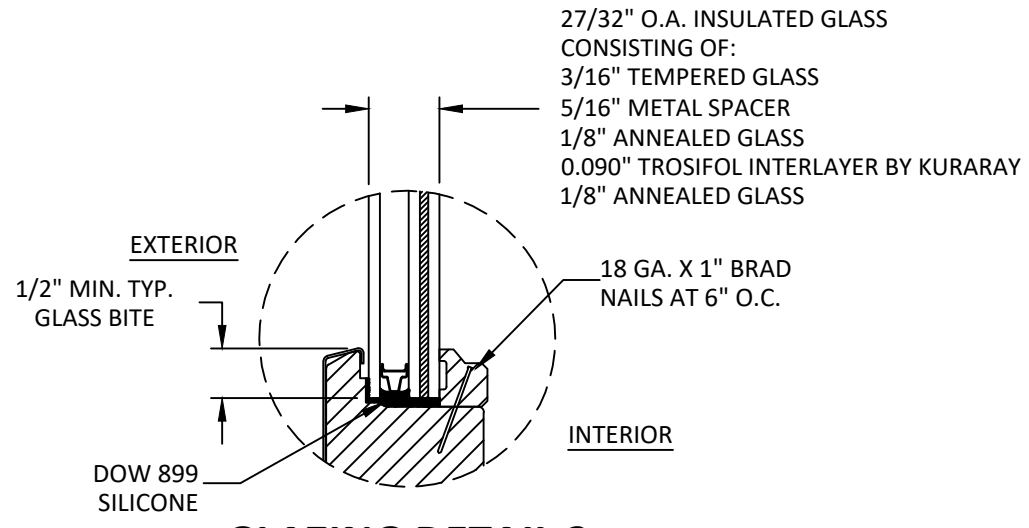
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 BUILDING DROPS, INC  
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 DANIA BEACH, FL 33004  
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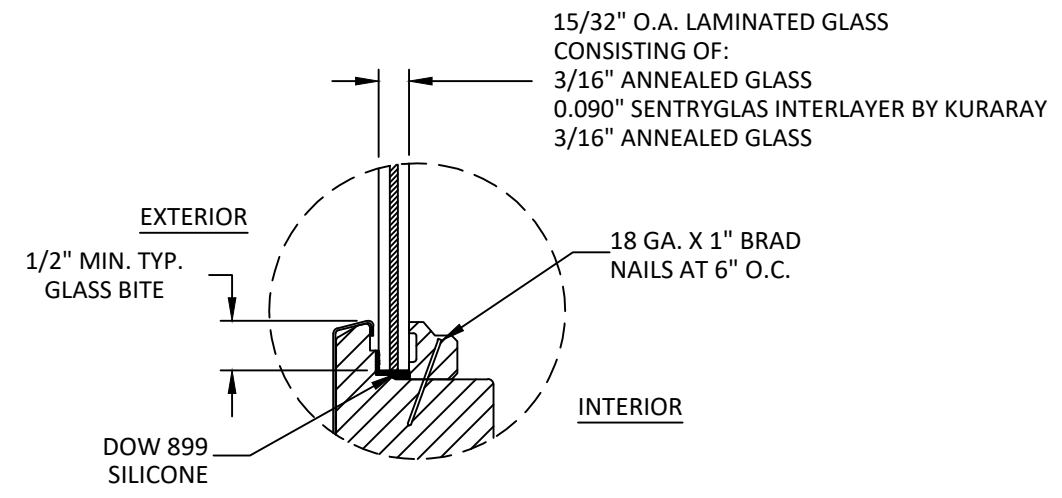
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 OF 11



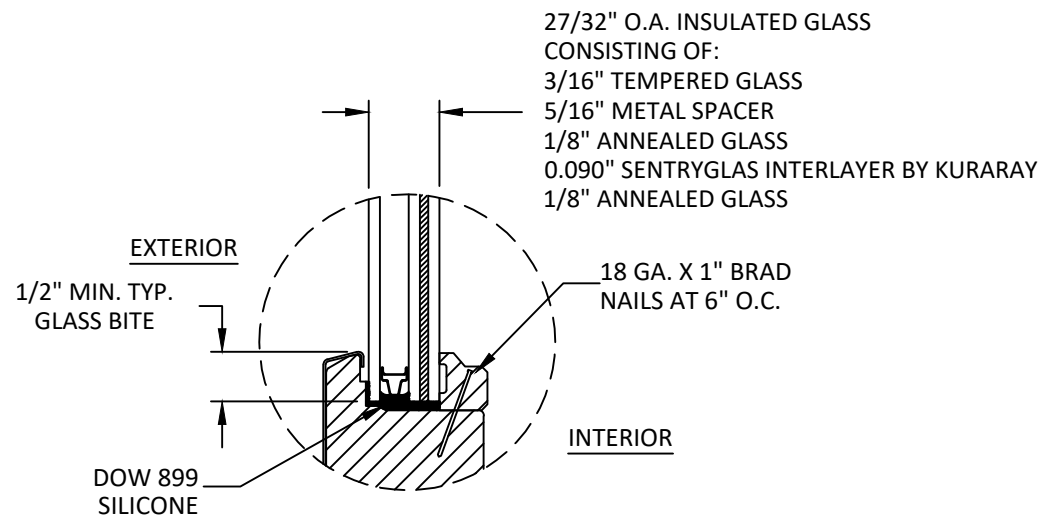
**GLAZING DETAIL 1**  
GLAZING TYPE 1 FOR USE UP  
TO +/- 30 PSF ONLY



**GLAZING DETAIL 2**  
GLAZING TYPE 2 FOR USE UP  
TO +/- 30 PSF ONLY



**GLAZING DETAIL 3**  
GLAZING TYPE 3 FOR USE UP  
TO +60/- 80 PSF



**GLAZING DETAIL 4**  
GLAZING TYPE 4 FOR USE UP  
TO +60/- 80 PSF

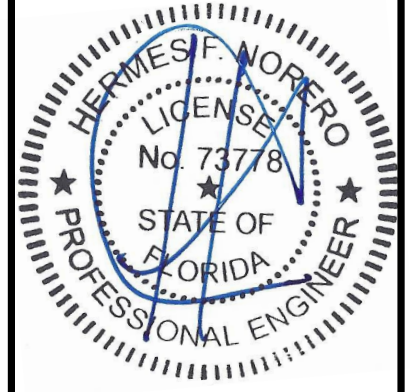
- NOTE:**
1. ALL GLAZING MEETS SAFETY GLAZING REQUIREMENTS AS PER CH 24 OF THE FBC.
  2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
  3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
  4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN IN ELEVATIONS.

TITLE: CUSTOM CLAD  
WOOD OUTSWING DOORS  
(HVHZ) (IMPACT)  
GLAZING DETAILS

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FBPE CERT. OF AUTHORIZATION No. 29578

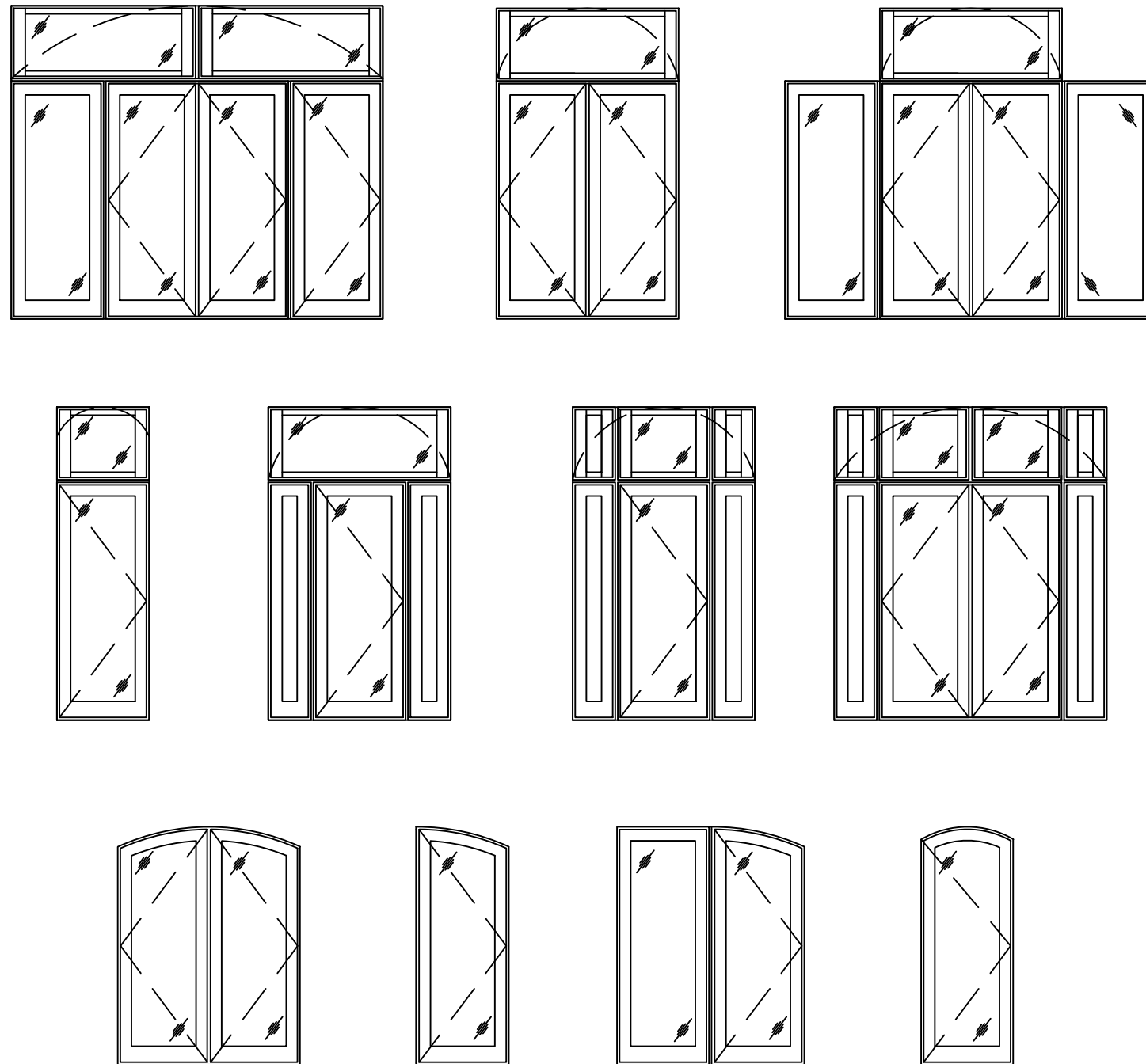
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## TYPICAL QUALIFIED CONFIGURATIONS



- NOTES:**
1. CONFIGURATIONS SHOWN ARE TYPICAL AND FOR ILLUSTRATION PURPOSES ONLY.
  2. ALL QUALIFIED CONFIGURATIONS SHALL ADHERE TO THE MAXIMUM LISTED SIZES AND PRESSURES IN THIS APPROVAL.
  3. ARCHED UNITS ARE ALLOWABLE AND SHALL BE INSCRIBED INTO THE MAXIMUM RECTANGULAR AREA LISTED IN THE APPROVAL.



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**TITLE:**  
CUSTOM CLAD  
WOOD OUTSWING DOORS  
(HVHZ) (IMPACT)  
TYP. QUALIFIED  
CONFIGURATIONS

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