

MAJESTIC ENTRIES, LLC

LOYAL IRON DOOR

STEEL GLAZED ENTRY DOUBLE INSWING DOORS (NON-HVHZ)(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
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 1/4 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 **3/8" LAG SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE 3 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH STEEL STUD FRAMING, USE **3/8-16 CARRIAGE BOLTS** OF SUFFICIENT LENGTH TO ACHIEVE FULL ENGAGEMENT WITH 3/8" FINISHED HEX NUT & ROUND WASHER.
7. FOR 2X WOOD BUCK INSTALLATION TO CONCRETE/MASONRY, USE TWO (2) 1/4 INCH DIAMETER ITW TAPCONS PER INSTALLATION LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
8. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/8 INCH DEWALT POWER-BOLT OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. 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.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. STEEL - MINIMUM 1/8" THICKNESS. MIN. Fy = 36 KSI

C. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

GENERAL NOTES:

1. 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:

TAS 201-94

TAS 202-94

TAS 203-94

ASTM E330-14

ASTM E1886-13a

ASTM E1996-14a
2. 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.
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 IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4 OR LESS.
6. FRAME MATERIAL: ASTM A287 LOW CARBON STEEL

Fymin= 29.7 KSI

Fymax= 55.0 KSI
6. STEEL COMPONENTS SHALL BE COATED OR PROVIDED WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF FBC CHAPTER 22.
7. ALL EXPOSED STEEL COMPONENTS ARE SHOP PRIMED.
8. IRON WORK SUCH AS DECORATIVE GRILLES, ETC. IS NOT PART OF THIS APPROVAL.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.

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SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION, ANCHOR LAYOUT, AND ISOMETRIC ELEVATION
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6	HORIZONTAL SECTIONS
7	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING			
GLASS TYPE	DESIGN PRESSURE - ALL SIZES		MISSILE IMPACT RATING
1	+65 / -65 PSF	*W/ OUT WATER INFILTRATION	LARGE & SMALL MISSILE IMPACT RATED

*UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT IS GREATER THAN 1.0 WHERE SITE REQUIRES WATER INFILTRATION.



1005 ALDERMAN DR.
ALPHARETTA, GA 30005 SUITE 112
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(NON-HVHZ)(IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

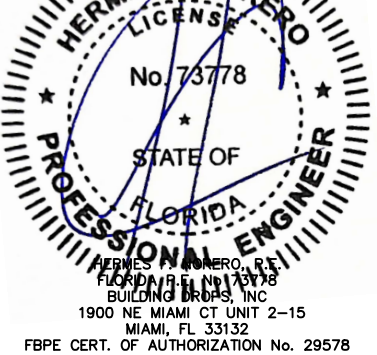
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
ADD THRU JAMB INSTALL.	LS	01.12.17
7th FBC EDITION	NUS	11.09.20
8th FBC EDITION	FB	01.19.24

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Digitally signed by Hermes E. Norero, P.E.
Reason: I am approving this document
Date: 2024.02.23 11:14:46 -0800



FL #:

FL 15514

DATE:

03.12.12

DWG. BY:

JLA

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

MED002

SHEET

1

OF 7



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ELEVATION, ANCHOR LAYOUT,
AND ISOMETRIC ELEVATION

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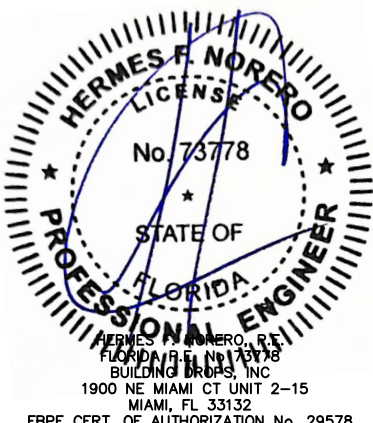
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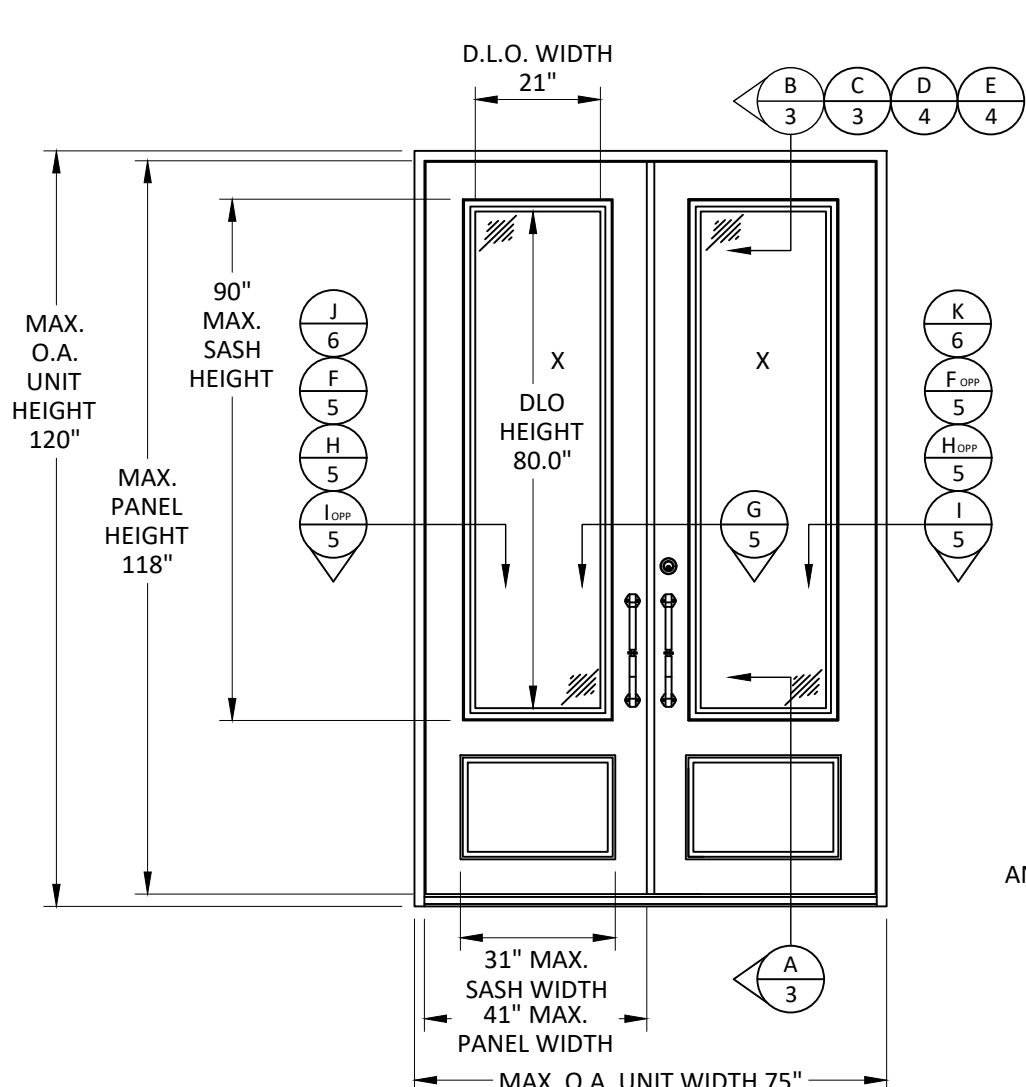


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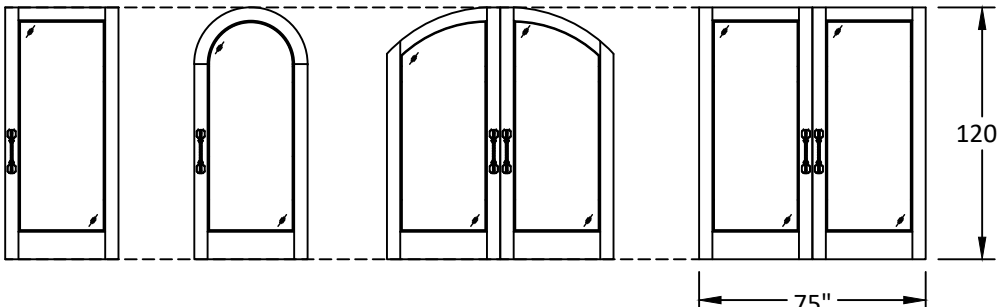
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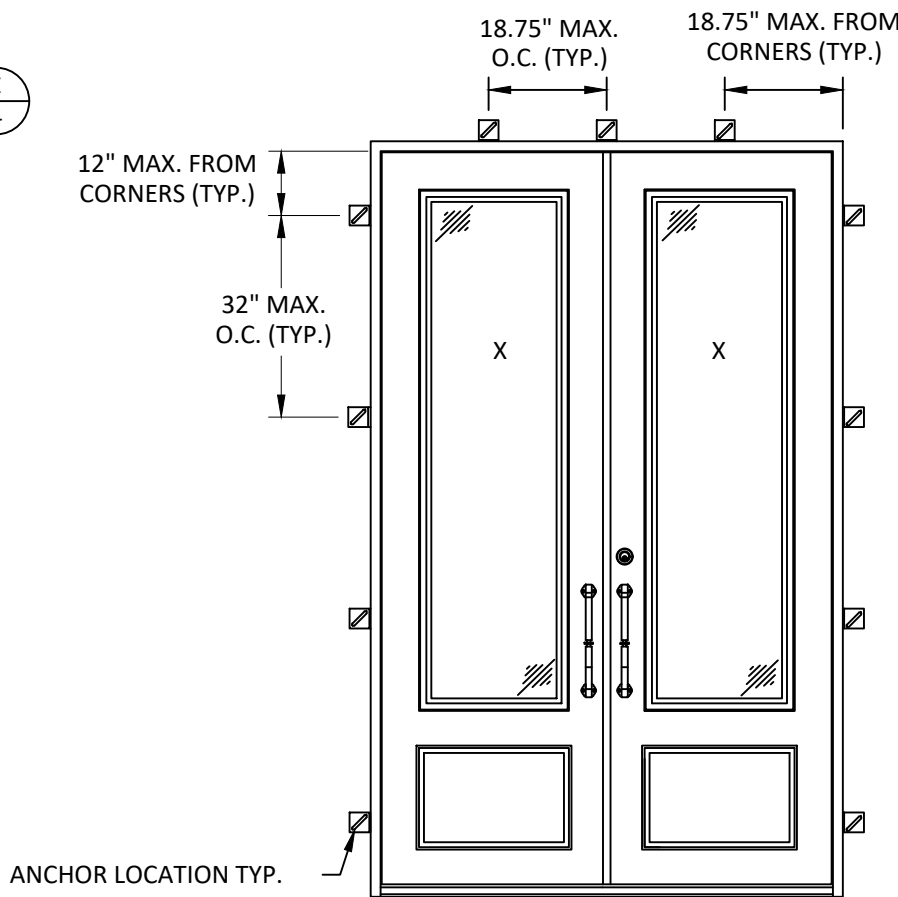
ELEVATION

- ASSEMBLY CONSTRUCTION NOTES:
1. FRAME HEAD & JAMBS ARE OF MITERED CORNER CONSTRUCTION WHICH ARE ARC WELDED AND GROUND SMOOTH.
 2. THE SEGMENTED FRAME HEAD AND JAMBS WERE SPOT WELDED AROUND THE EXTERIOR PERIMETER.
 3. THE JAMB FRAME AND SILL CORNERS ARE OF COPED AND BUTTED CONSTRUCTED WHICH WERE ARC WELDED AND GROUND SMOOTH.

FRAME SIZE SHALL BE CIRCUMSCRIBED WITHIN THE TESTED SIZE.

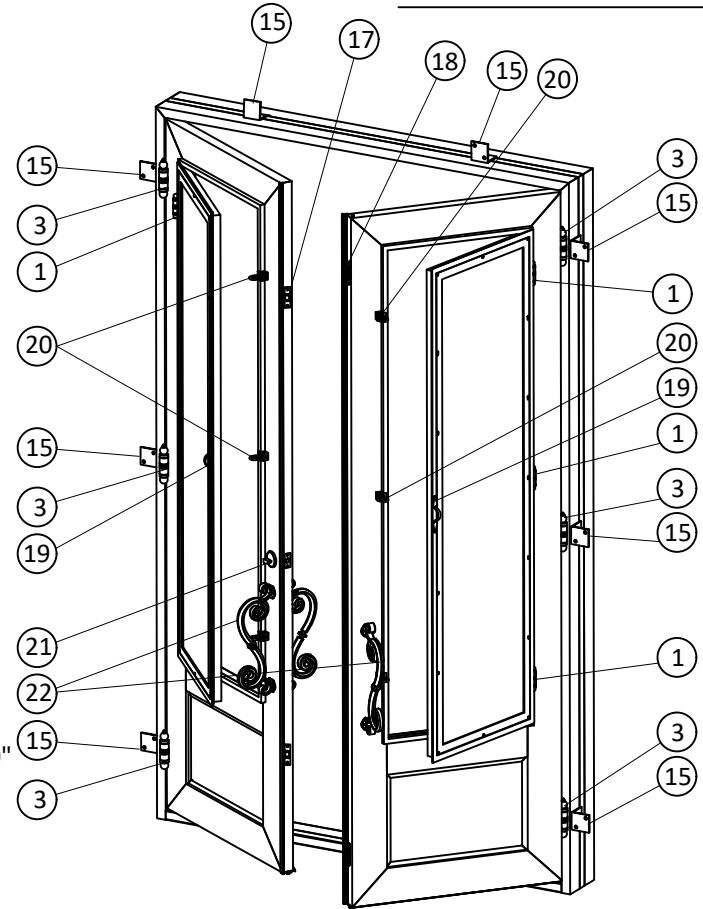
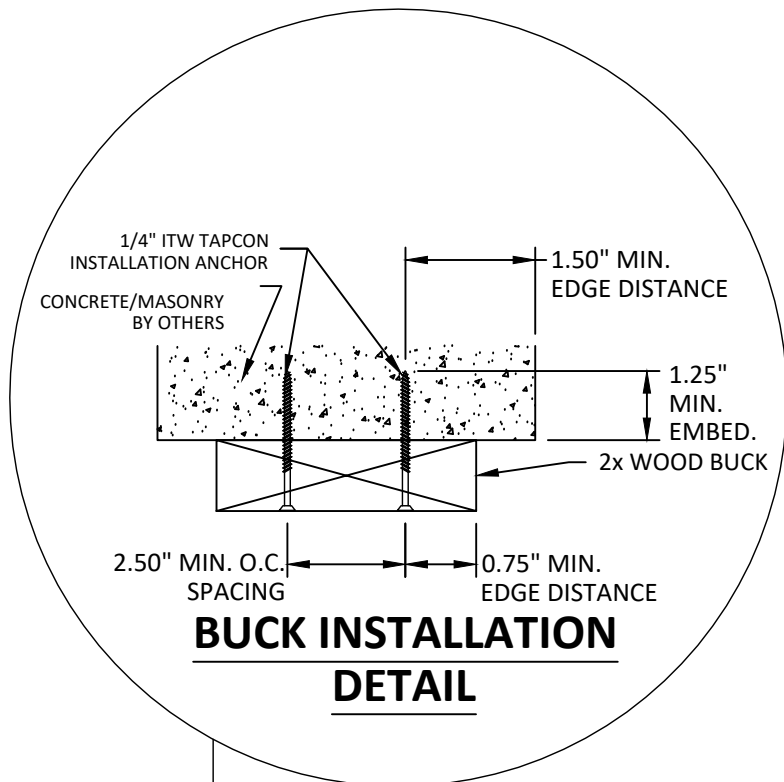


ADDITIONAL QUALIFIED CONFIGURATIONS

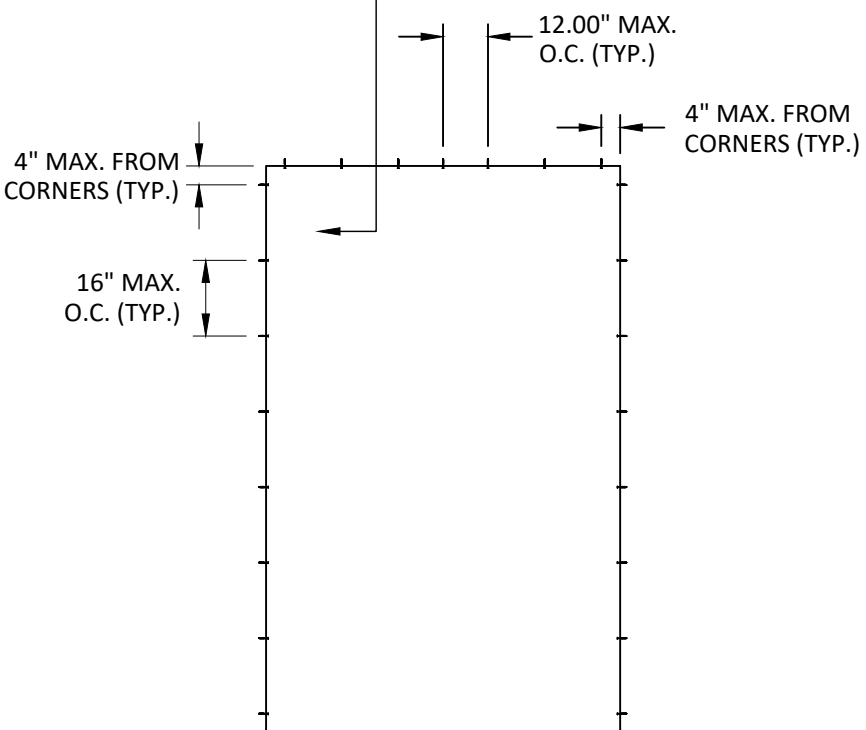


ANCHOR LAYOUT

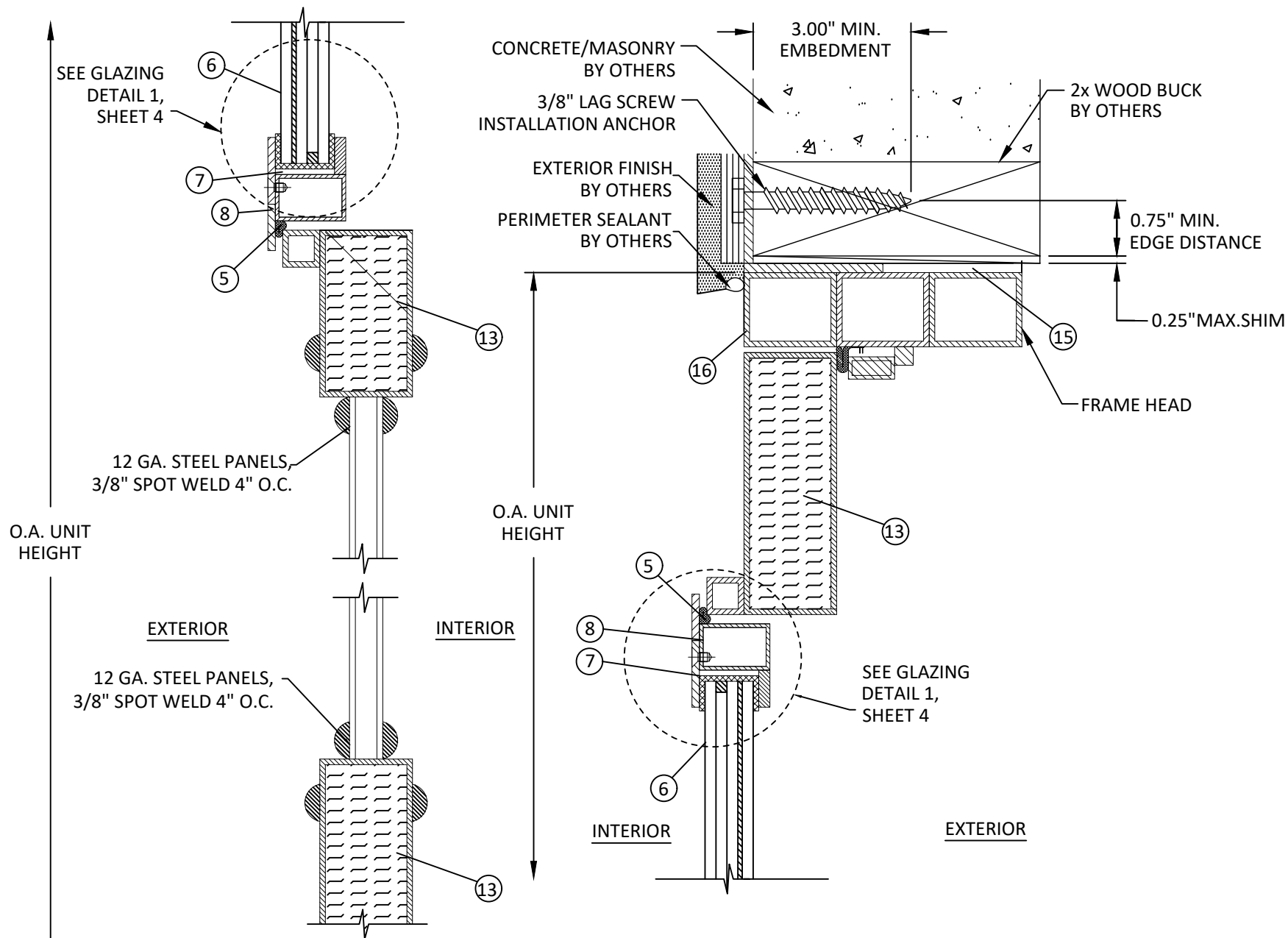
ONE (1) 3/8" LAG SCREW OR 3/8-16 CARRIAGE BOLT WITH NUT & WASHER REQUIRED PER MOUNTING TAB AS SHOWN. SEE INSTALLATION DETAILS, SHEETS 3-6 FOR FURTHER REQUIREMENTS.



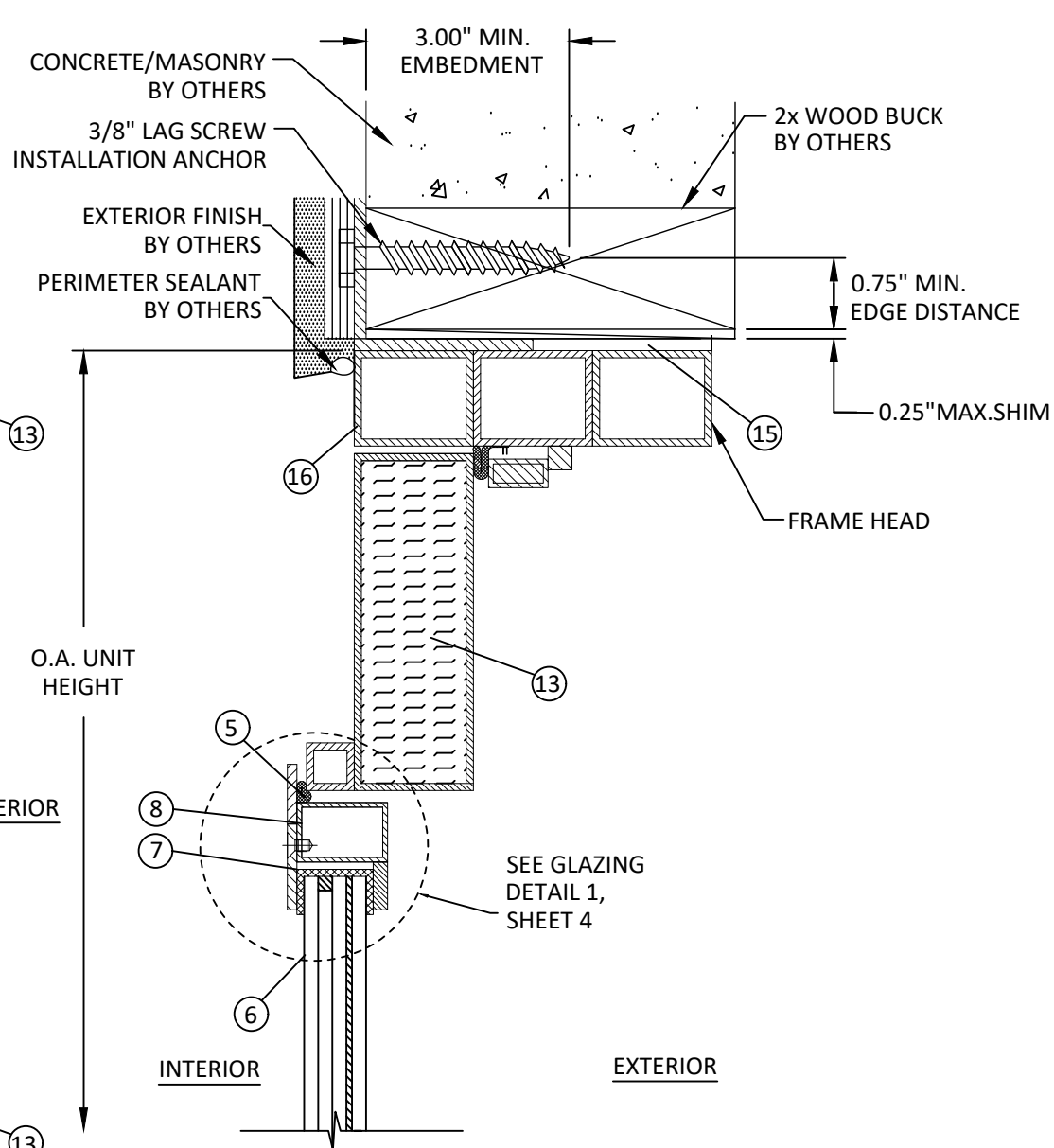
DETAILED ELEVATION



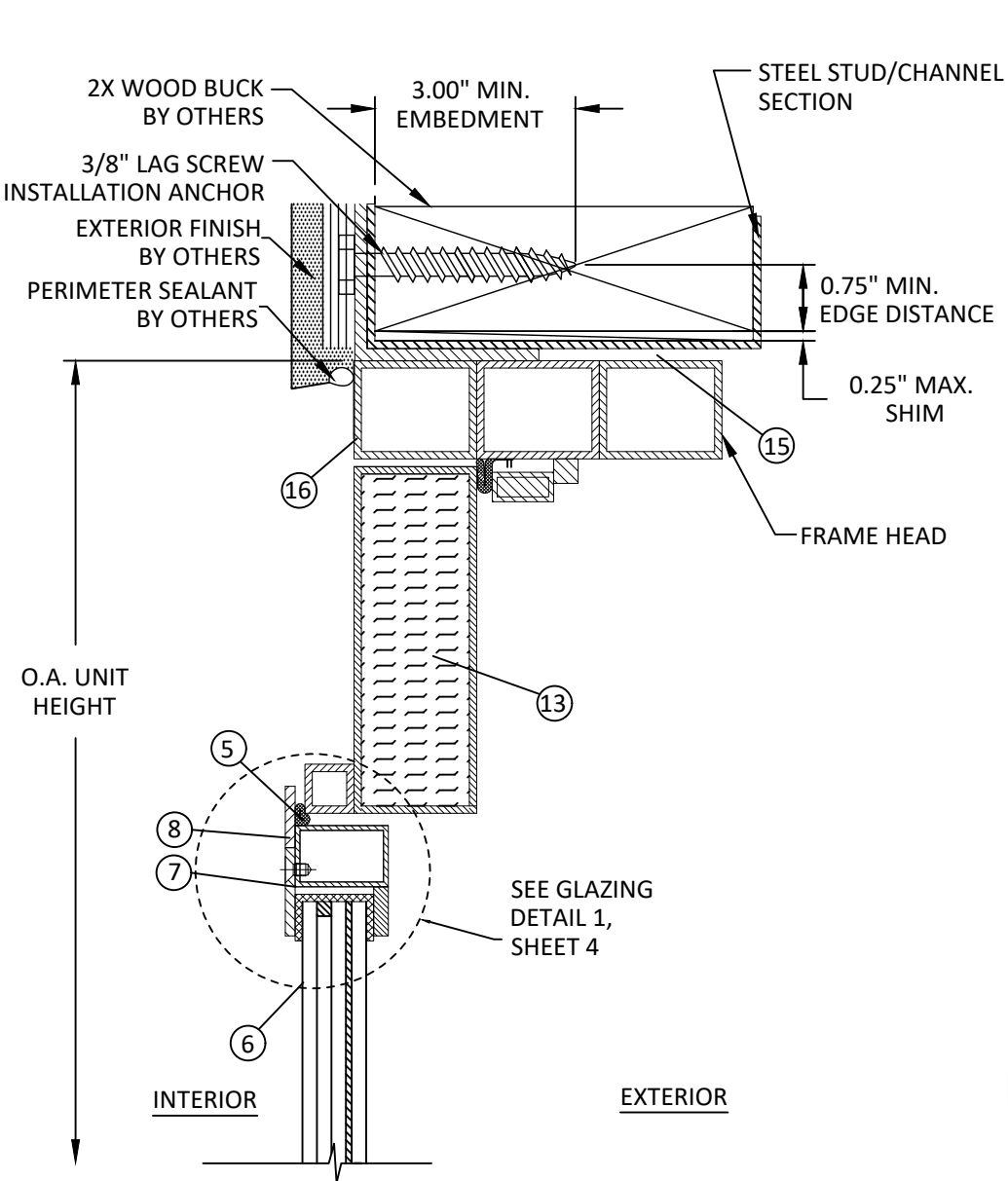
BUCK INSTALLATION ANCHOR LAYOUT



A
3 **VERTICAL SECTION**
THRESHOLD
CONCRETE/MASONRY SUBSTRATE



B
3 **VERTICAL SECTION**
FRAME/HEAD
2X WOOD BUCK



C
3 **VERTICAL SECTION**
FRAME/HEAD
STEEL STUD W/ WOOD SUBSTRATE



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VERTICAL SECTIONS
& GLAZING DETAIL

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REMARKS	BY	DATE
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8th FBC EDITION	FB	01.19.24

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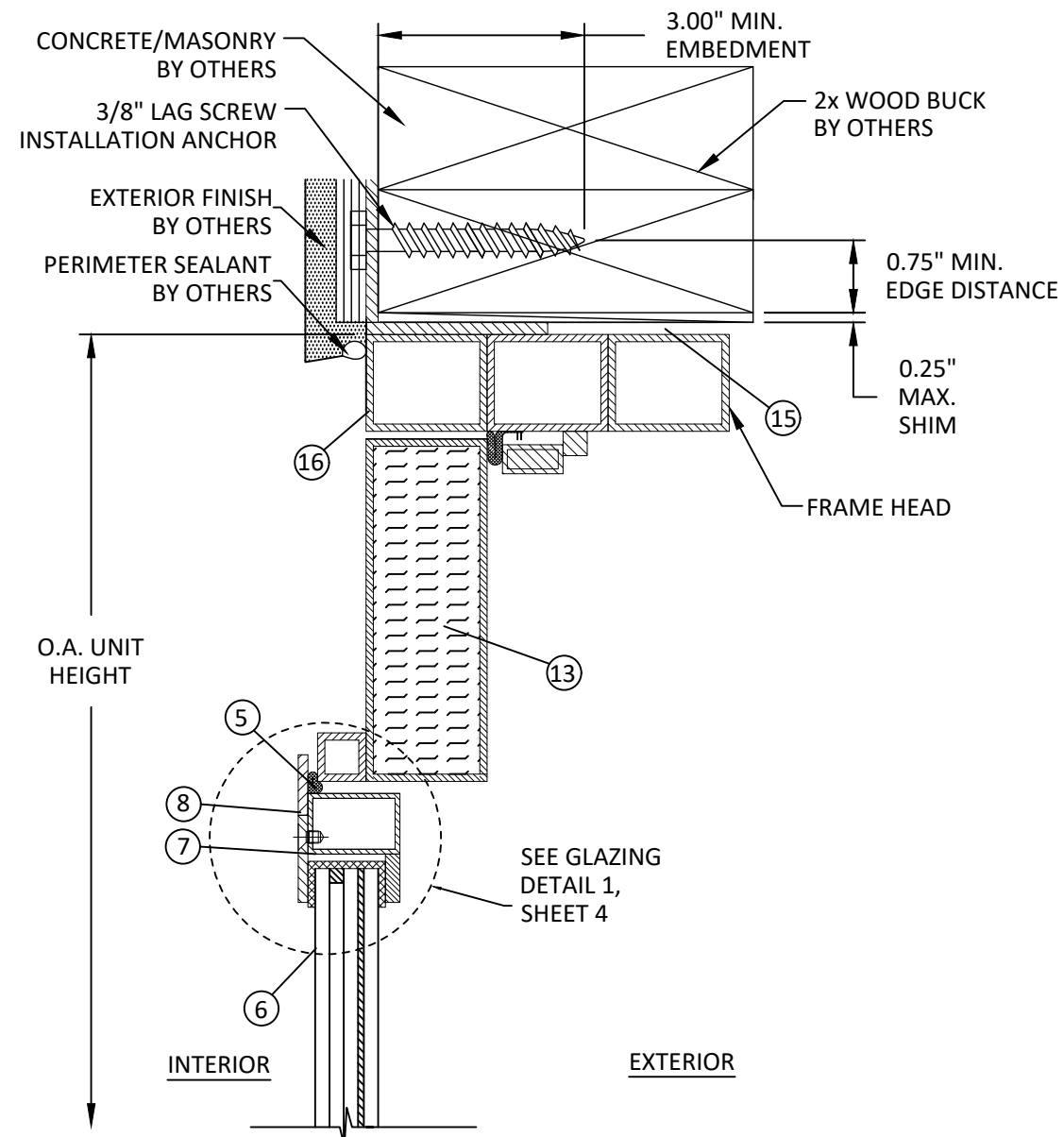
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DWG. #: **MED002**

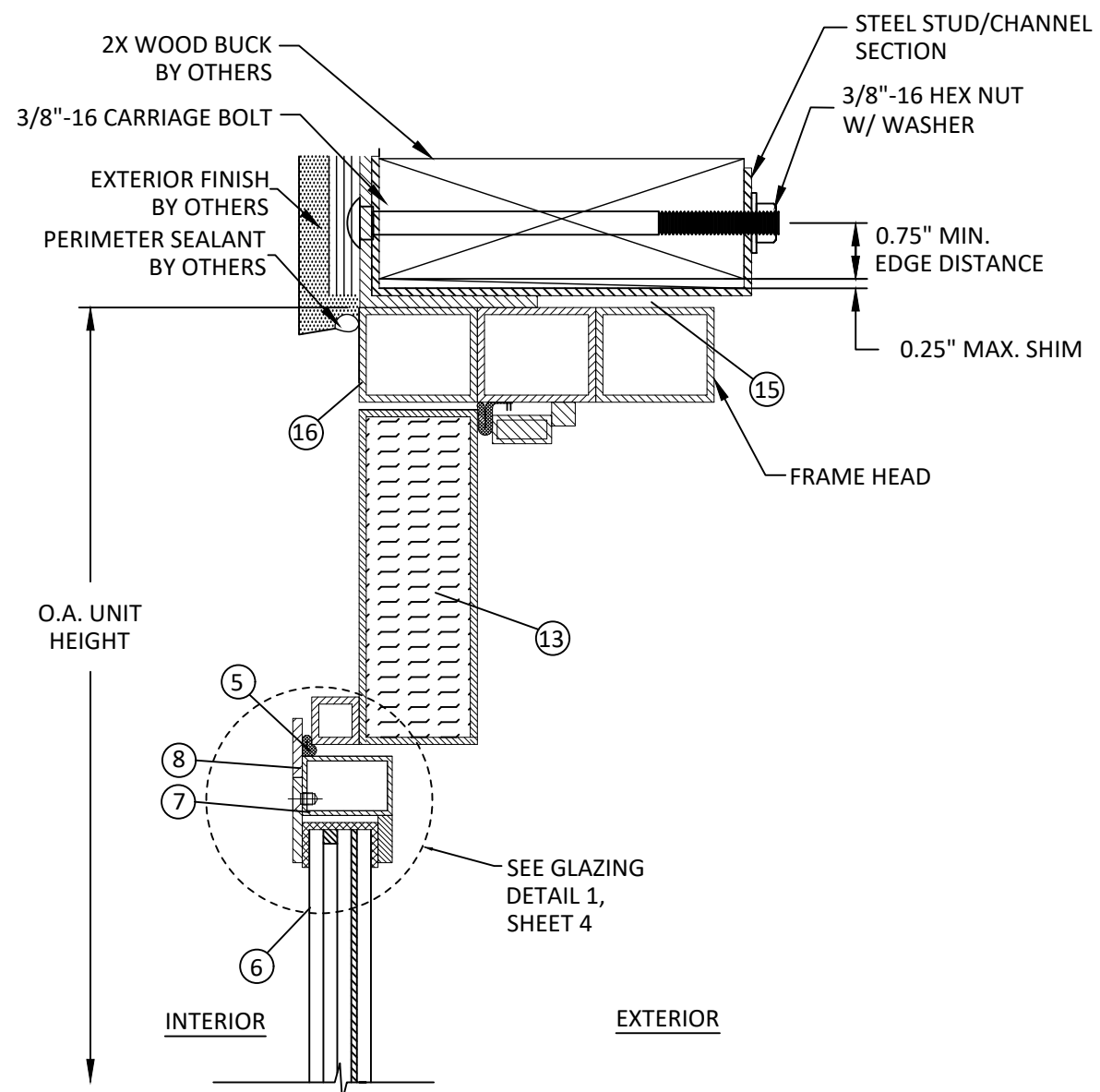
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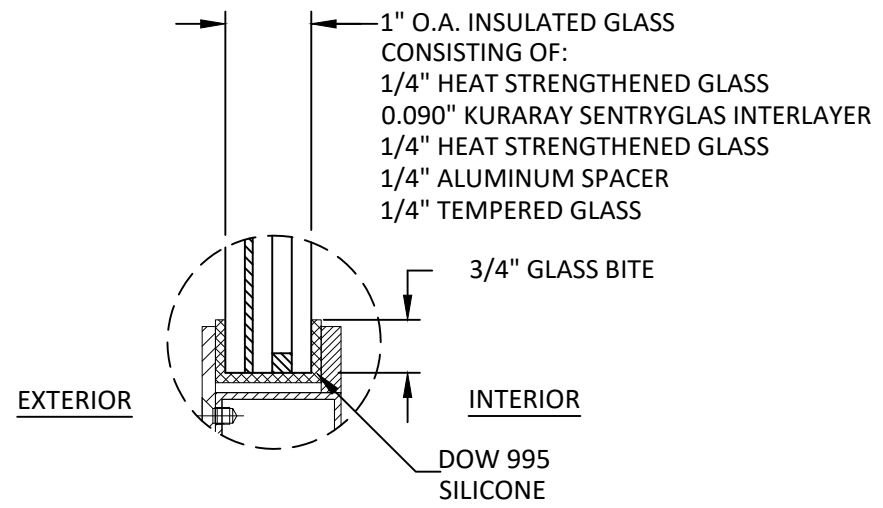
OF 7



**D
4** VERTICAL SECTION
FRAME/HEAD
2X WOOD FRAME



**E
4** VERTICAL SECTION
FRAME/HEAD
STEEL STUD W/ WOOD SUBSTRATE



GLAZING DETAIL 1

- GLAZING NOTES:
1. GLASS TYPE & THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A).
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36".
 4. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.



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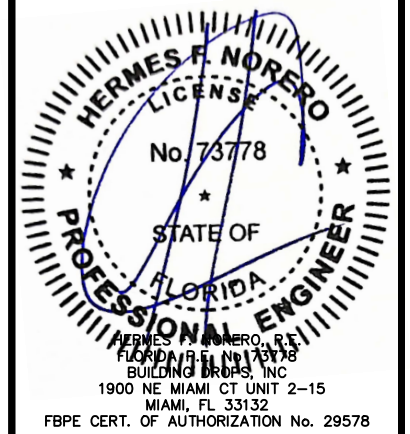
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& GLAZING DETAIL

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SHEET	4



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HORIZONTAL SECTIONS

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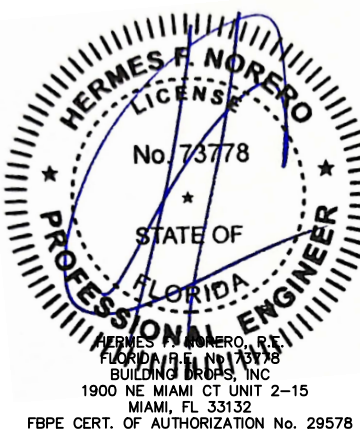
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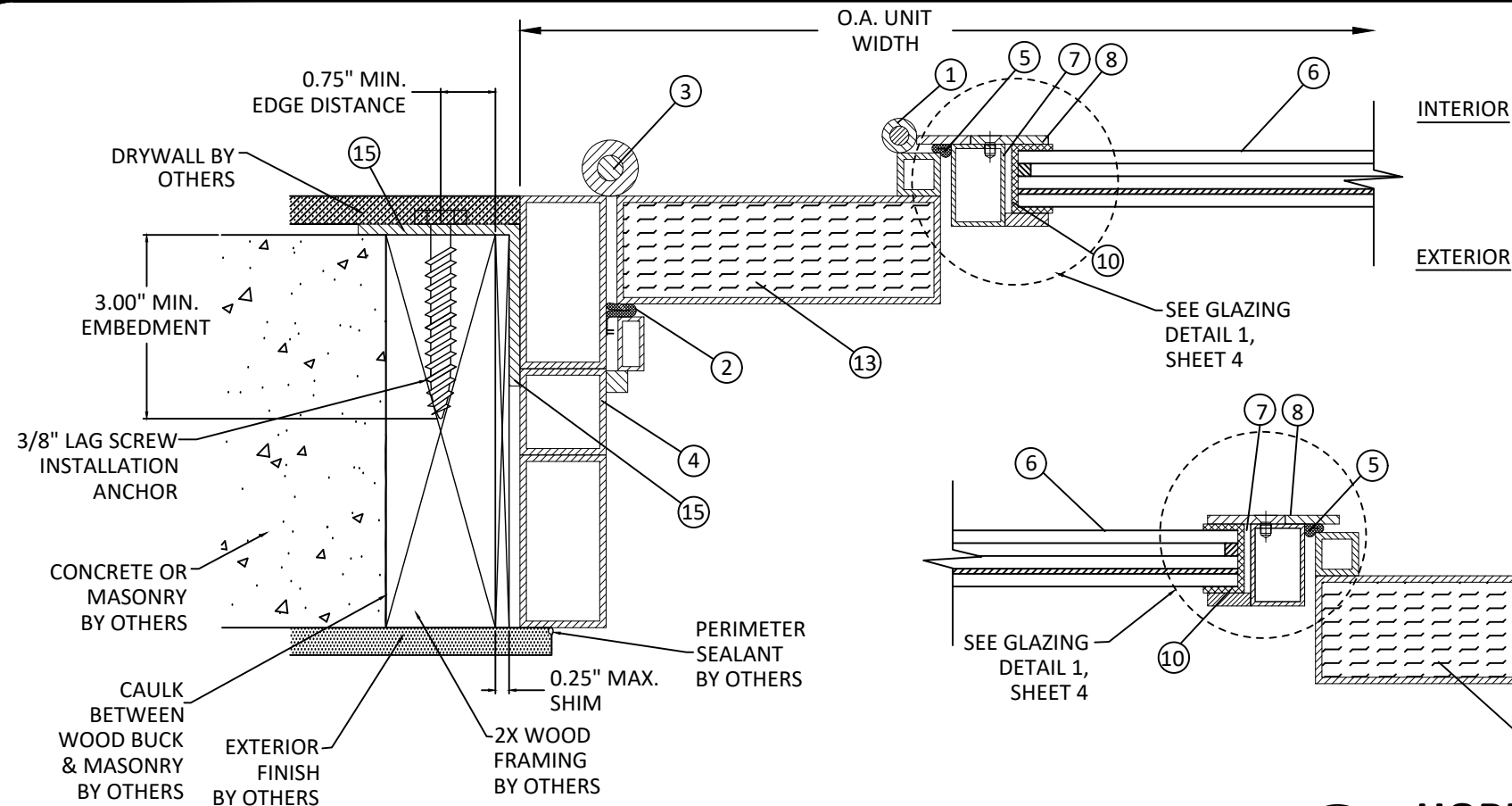
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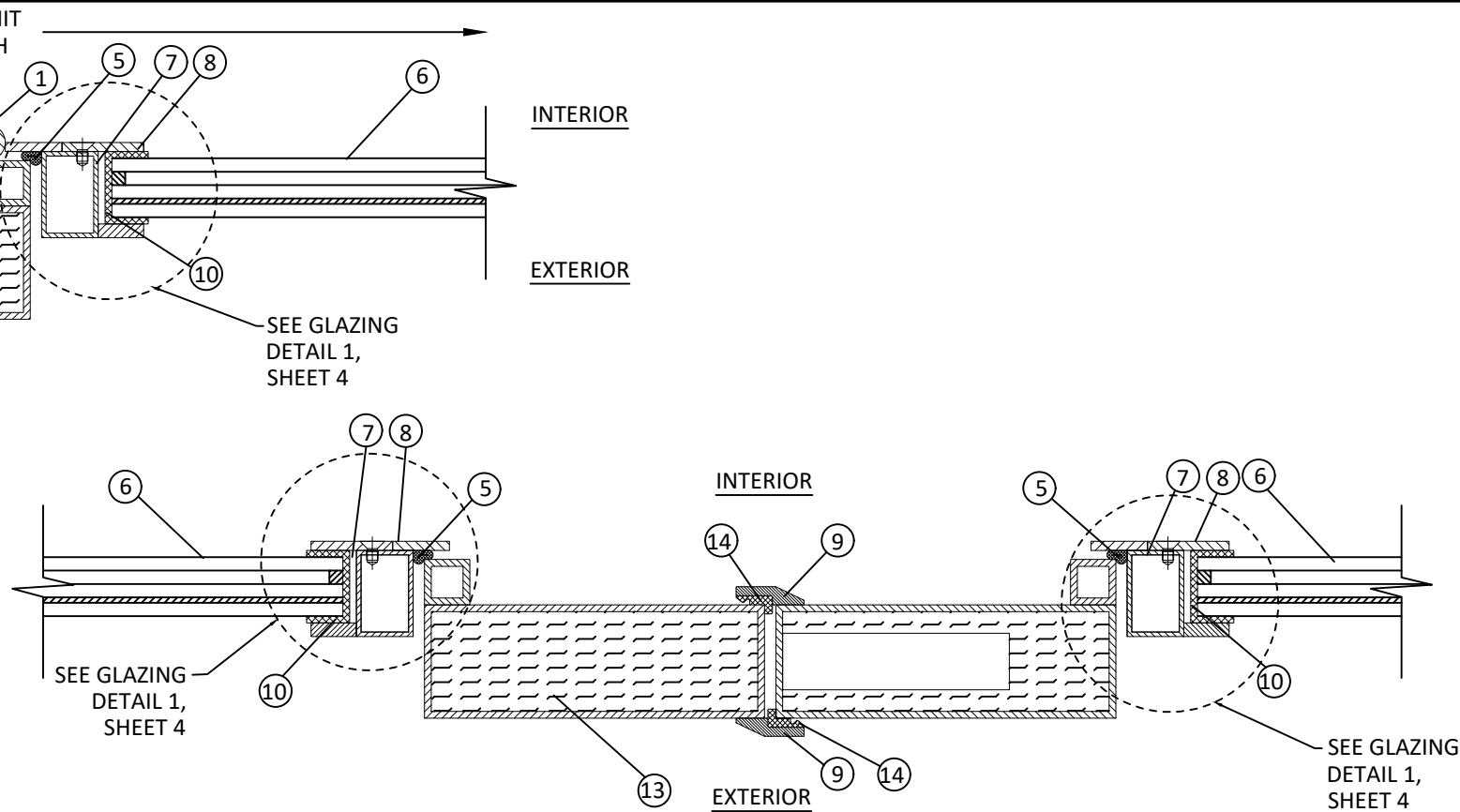
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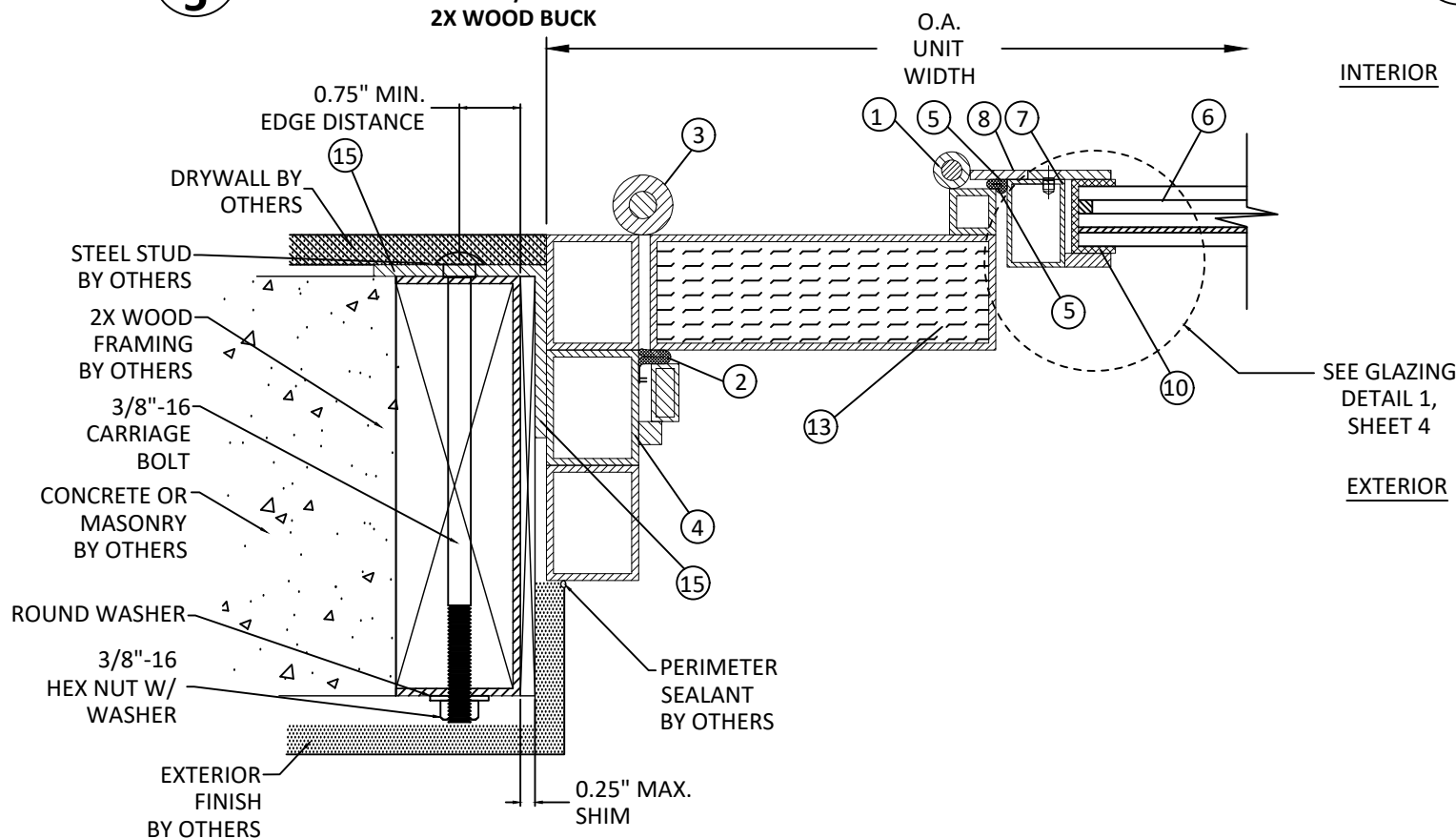
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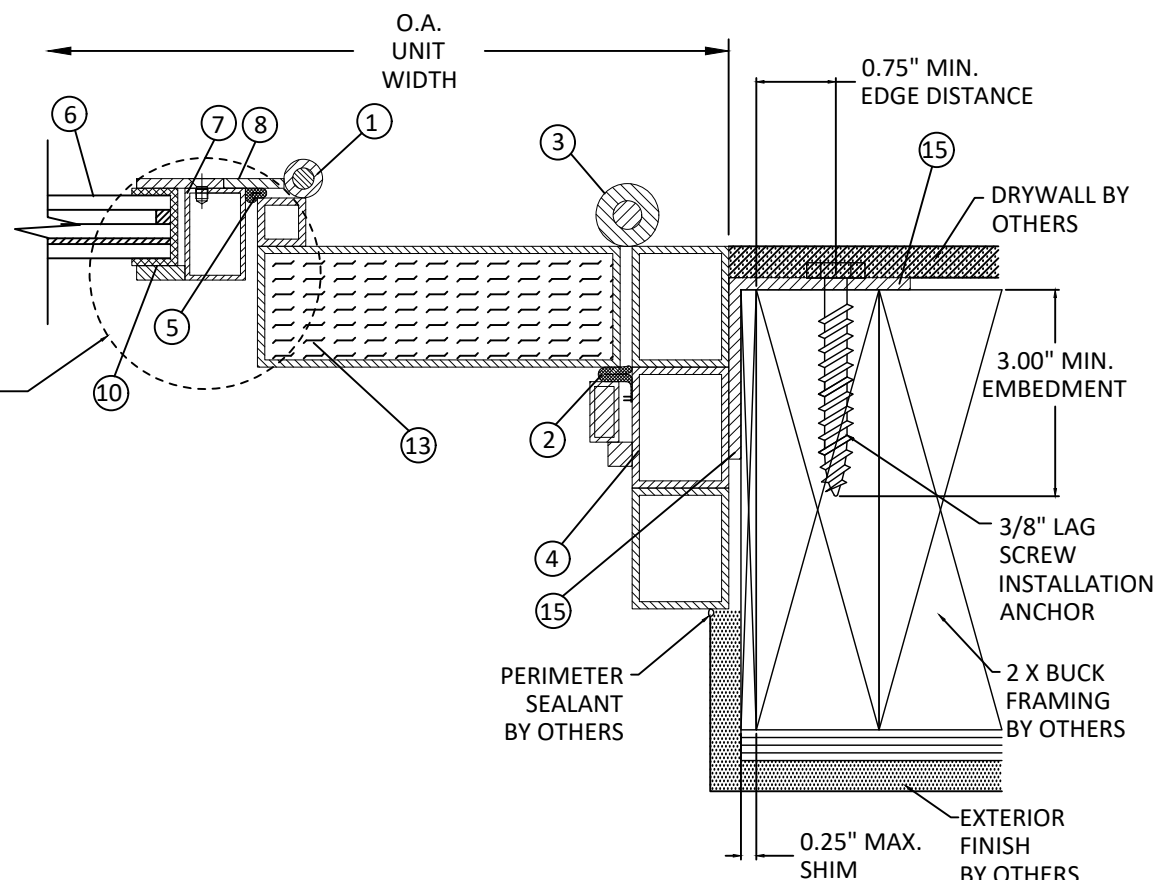
F5 HORIZONTAL SECTION
FRAME/JAMB
2X WOOD BUCK



G5 HORIZONTAL SECTION
T - ASTRAGAL



H5 HORIZONTAL SECTION
FRAME/JAMB
STEEL STUD SUBSTRATE W/ 2X WOOD BUCK



I5 HORIZONTAL SECTION
FRAME/JAMB
2X WOOD FRAME



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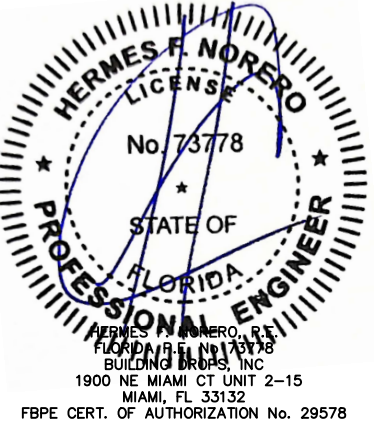
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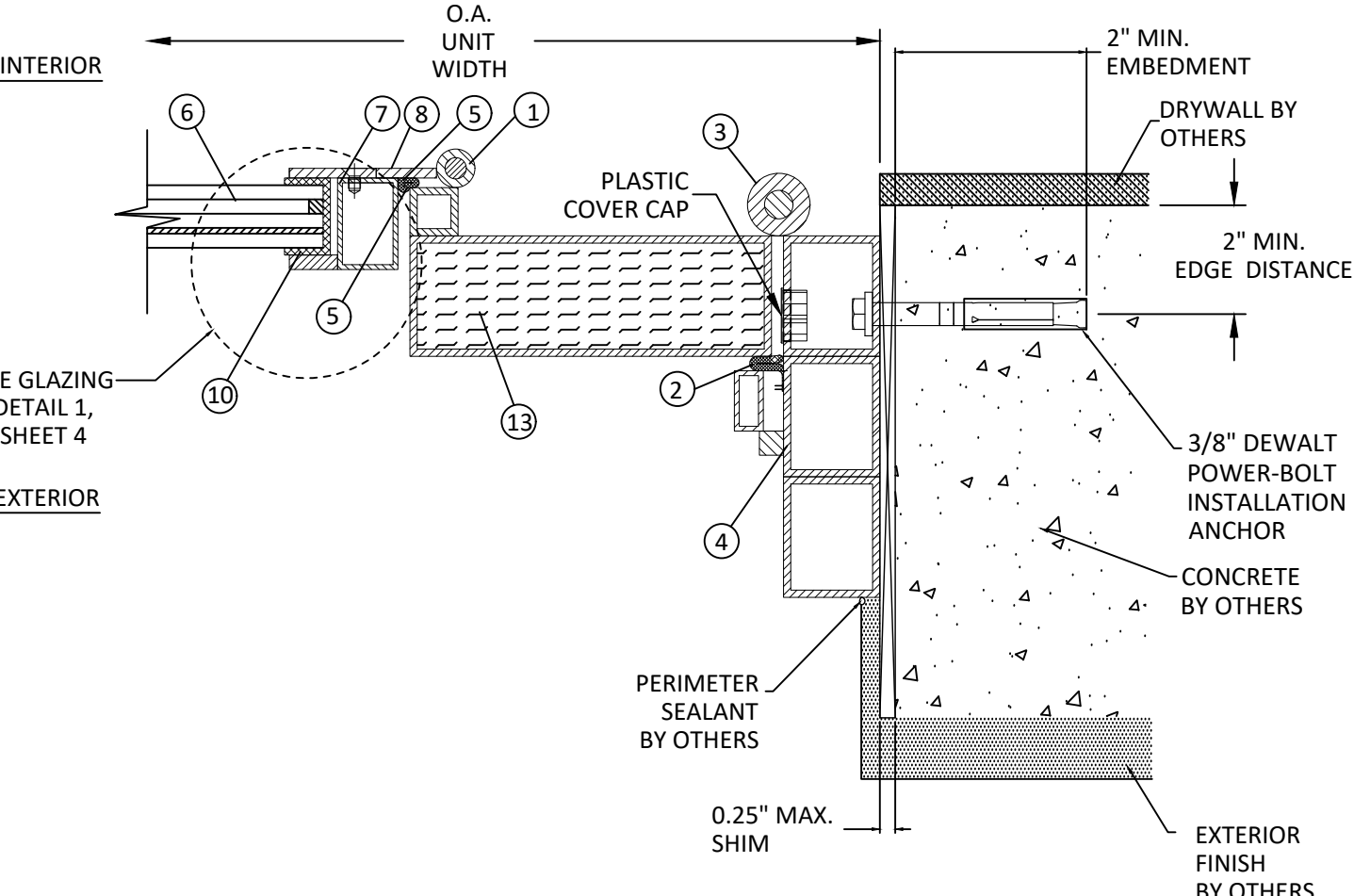
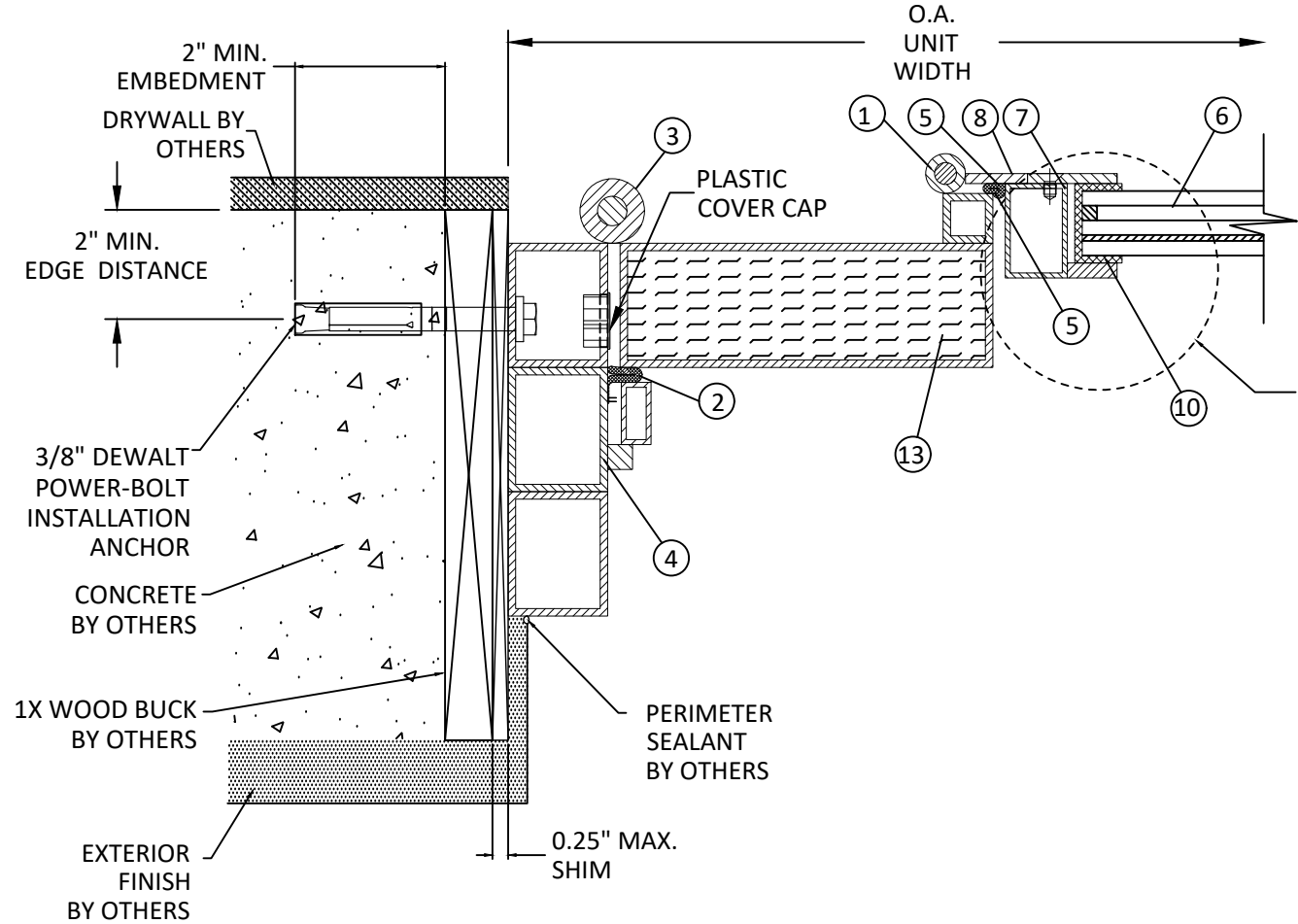


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SHEET	6



J
6

HORIZONTAL SECTION

JAMB - 1X WOOD BUCK / CONCRETE

K
6

HORIZONTAL SECTION

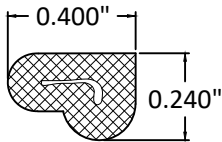
JAMB - DIRECT TO CONCRETE

BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL	SUPPLIER
1	MALE BARREL HINGE W/ INSERT (LITE)	STEEL	MAJESTIC
2	WEATHERSTRIPPING	POLYETHYLENE FOAM	SCHLEGEL SYSTEMS, INC
3	FEMALE BARREL HINGE W/ INSERT	STEEL	MAJESTIC
4	FRAME JAMB	STEEL	MAJESTIC
5	WEATHERSTRIPPING 2	POLYETHYLENE FOAM	SCHLEGEL SYSTEMS, INC
6	1.00" O.A. LAMINATED GLASS (SEE DETAIL 1)	GLASS	-
7	SASH STILE & RAILS	STEEL	MAJESTIC
8	GLASS STOP	STEEL	MAJESTIC
9	T - ASTRAGAL	STEEL	MAJESTIC
10	RUBBER CHANNEL	RUBBER	JIANGNAN RUBBER & METAL CO., LTD
11	DOOR SWEEP	ALUMINUM & RUBBER	YONGTAI ELECTRICAL METAL FACTORY
12	THRESHOLD	STEEL	MAJESTIC
13	FIBERGLASS INSULATION AND/OR APACHE EXPANDED POLYSTRENE FOAM	FOAM	JIALI EXPANDED FOAM EQUIPMENT COMPANY
14	WEATHERSTRIPPING INSERT (ASTRAGAL)	POLYETHYLENE FOAM	SCHLEGEL SYSTEMS, INC
15	MOUNTING TAB	STEEL	MAJESTIC
16	FRAME HEAD	STEEL	MAJESTIC
17	ROLLER CATCH	STEEL	MAJESTIC
18	THROW BOLT	STAINLESS STEEL	MAJESTIC
19	GLASS SASH PULL	STEEL	MAJESTIC
20	SASH LOCK	STEEL	MAJESTIC
21	LOCK	STEEL	EMTEK
22	DOOR HANDLE	STEEL	MAJESTIC
23	ROLLER CATCH STRIKE PLATE	CUPRUM	MAJESTIC
24	PANEL STILES/RAILS	STEEL	MAJESTIC

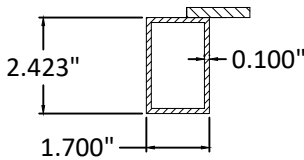
NOTE:

1. ALL STEEL COMPONENTS ARE ASTM A287 STEEL (Fymin=22.7 KSI, Fymax=55.0 KSI)
2. ALL EXPOSED STEEL COMPONENTS ARE SHOP PRIMED.
3. ALL WELDED COMPONENTS ARE SHOP WELDED USING E70XX ELECTRODE

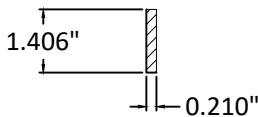
5 WEATHERSTRIPPING 2 STEEL



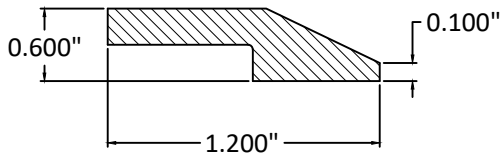
7 SASH STILES & RAILS STEEL



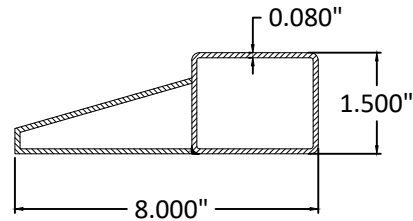
8 GLASS STOP STEEL



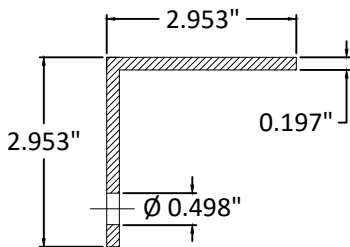
9 T - ASTRAGAL STEEL



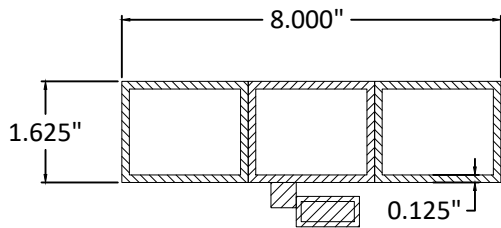
12 THRESHOLD STEEL



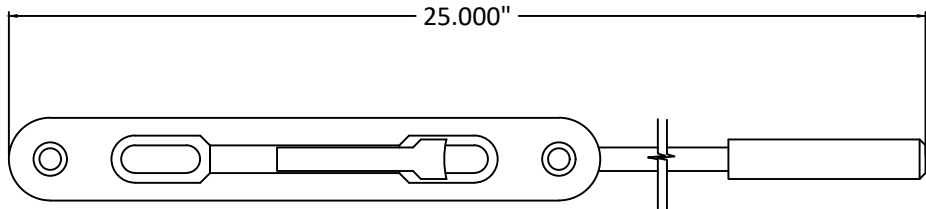
15 MOUNTING TAB STEEL



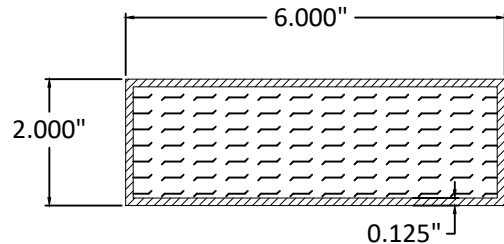
4 16 FRAME HEAD/JAMB STEEL



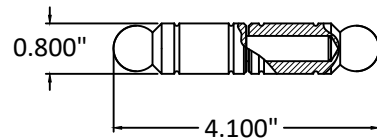
18 THROW BOLT STAINLESS STEEL



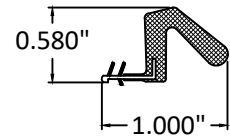
24 PANEL STILES/RAILS STEEL



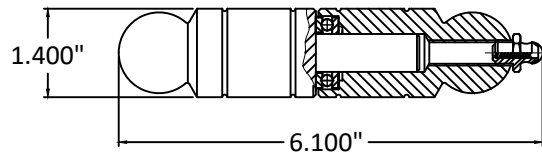
1 MALE BARREL HINGE W/ INSERT (LITE) STEEL



2 WEATHERSTRIPPING POLYETHYLENE FOAM



3 FEMALE BARREL HINGE W/ INSERT STEEL



1005 ALDERMAN DR.
ALPHARETTA, GA 30005 SUITE 112
(770) 622-0554

TITLE:
LOYAL IRON I/S
GLAZED STEEL DOOR
(NON-HVHZ)(IMPACT)

COMPONENTS
& BILL OF MATERIALS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT UNIT 2-15

MIAMI, FL 33132

PH: (954) 399-8478

FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
ADD THRU JAMB INSTALL.	LS	01.12.17
7th FBC EDITION	NUS	11.09.20
8th FBC EDITION	FB	01.19.24

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 #:	FL 15514
DATE:	03.12.12
DWG. BY:	JLA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	MED002
SHEET	7