

ATRIUM COMPANIES, INC. *SERIES 5700 PICTURE WINDOW*

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 BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED 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 INSTALLATION INTO WOOD FRAMING USE #10 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 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS 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.
 - 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.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16" (0.0625").
- 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 FLORIDA BUILDING CODE 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 FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIG.	MISSILE IMPACT RATING
WIDTH	HEIGHT			
108"	84"	+/- 40 PSF	OOO	NON-IMPACT

NOTE: SEE SHEET 2 FOR ALTERNATE QUALIFIED SIZES

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SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS, ANCHOR LAYOUTS & GLAZING DETAIL
3	VERTICAL SECTIONS
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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:
 - AAMA/WDMA/CSA 101/I.S.2/A440-22
 - AAMA 450-20
 - ASTM E330-14(21)
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PVC
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.



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TITLE:

SERIES 5700
PICTURE WINDOW

INSTALLATION AND GENERAL NOTES

PREPARED BY:

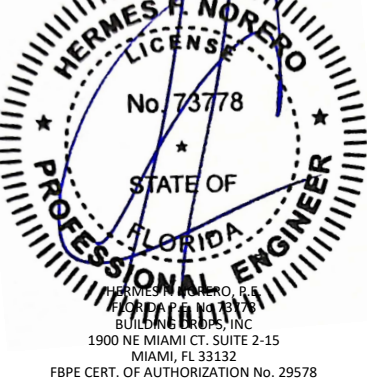
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-FBC 2020 CODE CHANGE	SM	09.29.20
C-CURRENT FBC	LH	07.17.26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.11 11:34:01 -04'00'



HERMES F. NORERO, P.E.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

21059

DATE: 10.03.17

DWG. BY: AR/AG
CHK. BY: HFN

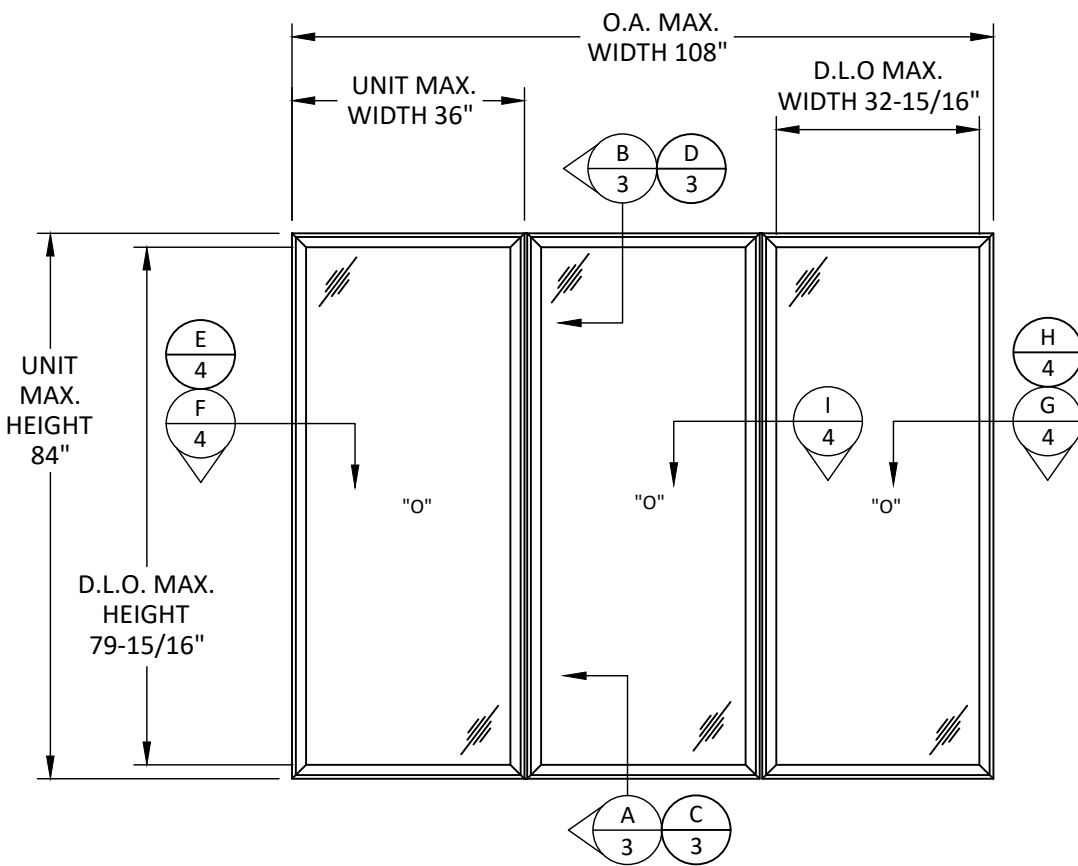
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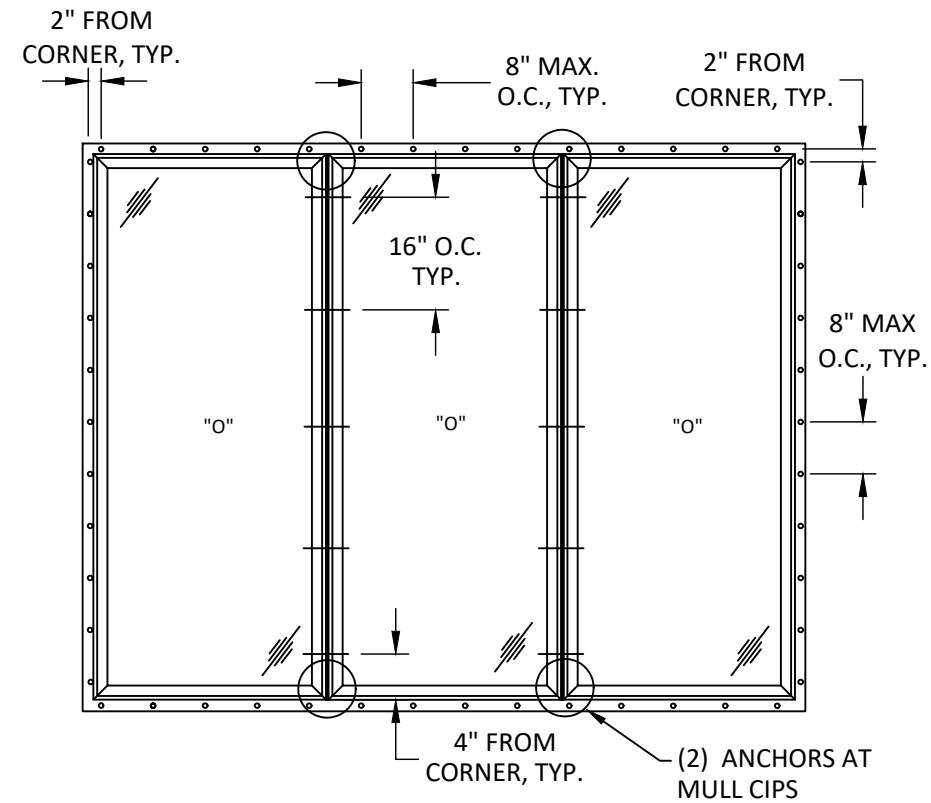
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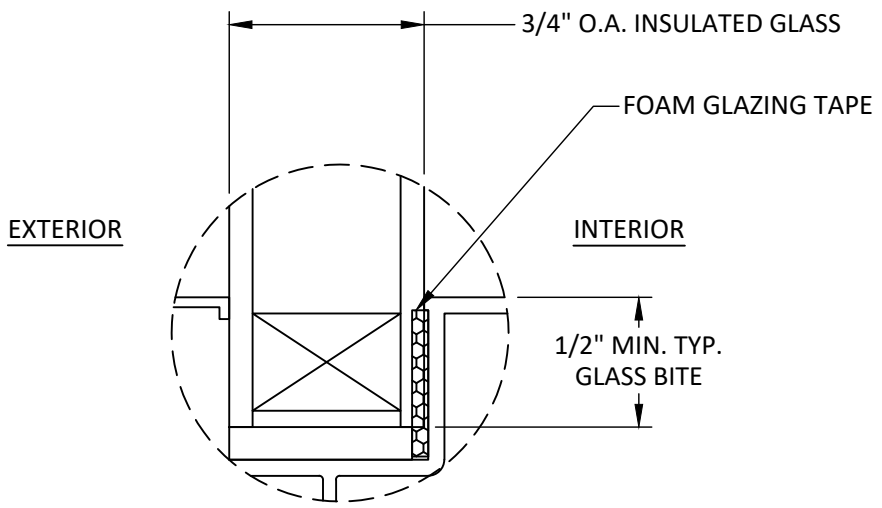
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TYPICAL ELEVATION

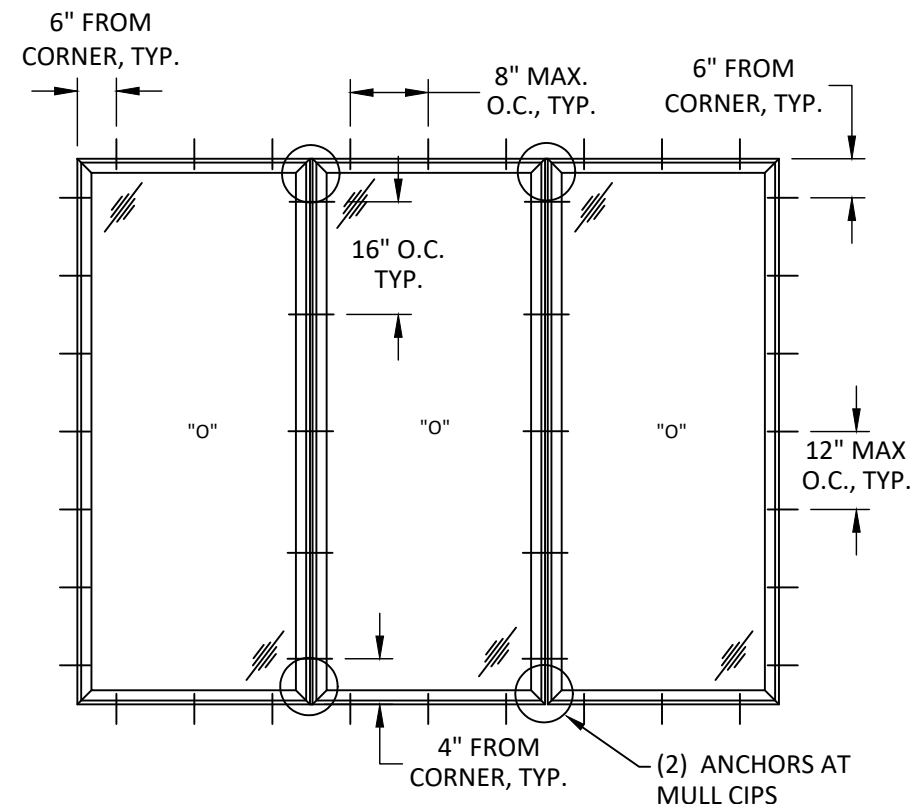


ANCHOR LAYOUT
NAIL FIN

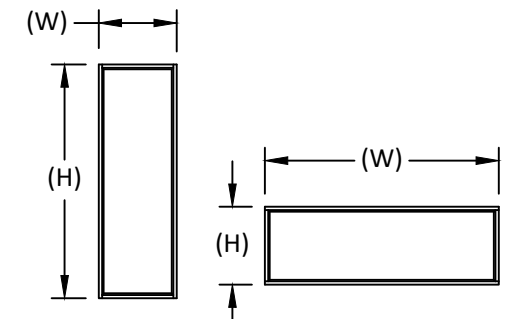


GLAZING DETAIL

NOTE:
GLASS THICKNESS AND TYPE SHALL
COMPLY WITH ASTM E 1300
REQUIREMENT GLASS CHARTS.



ANCHOR LAYOUT
THROUGH FRAME



NOTE:
WINDOW WIDTH (W) AND HEIGHT
(H) ARE INTERCHANGEABLE FOR ALL
SIZES SHOWN HEREIN NOT TO EXCEED
MAXIMUM TESTED SQUARE FOOT AREA.

ALLOWABLE DESIGN PRESSURE (PSF)			
NOMINAL DIMS. (in)		EXT. (+)	INT. (-)
MAX. WIDTH	MAX. HEIGHT		
24	120	19.4	19.4
24	114	22.7	22.7
24	108	26.7	26.7
24	102	31.8	31.8
24	96	38.2	38.2
30		31.0	31.0
24	90	40.0	40.0
30		37.9	37.9
24	84	40.0	40.0
30		40.0	40.0
36		40.0	40.0
24	78	40.0	40.0
30		40.0	40.0
36		40.0	40.0
24	72	40.0	40.0
30		40.0	40.0
36		40.0	40.0
42	66	38.0	38.0
24		40.0	40.0
30		40.0	40.0
36	60	40.0	40.0
42		39.5	39.5
24		40.0	40.0
30	60	40.0	40.0
36		40.0	40.0
42		40.0	40.0
48	60	39.3	39.3

NOTE:
TABLES SHOW INDIVIDUAL SIZES. SINGLE
WINDOWS AND TWIN OR TRIPLE MULLED
CONFIGURATIONS ARE QUALIFIED USING
INDIVIDUAL SIZES.



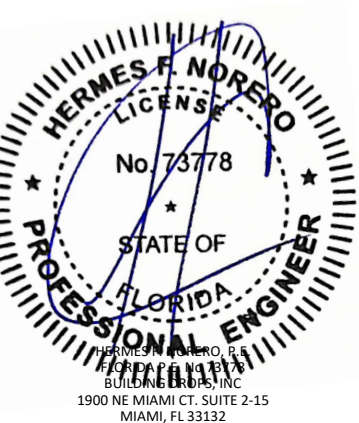
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PICTURE WINDOW
ELEVATIONS, ANCHOR LAYOUTS &
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LICENSE
No. 73778
STATE OF
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PROFESSIONAL ENGINEER
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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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21059

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AR/AG

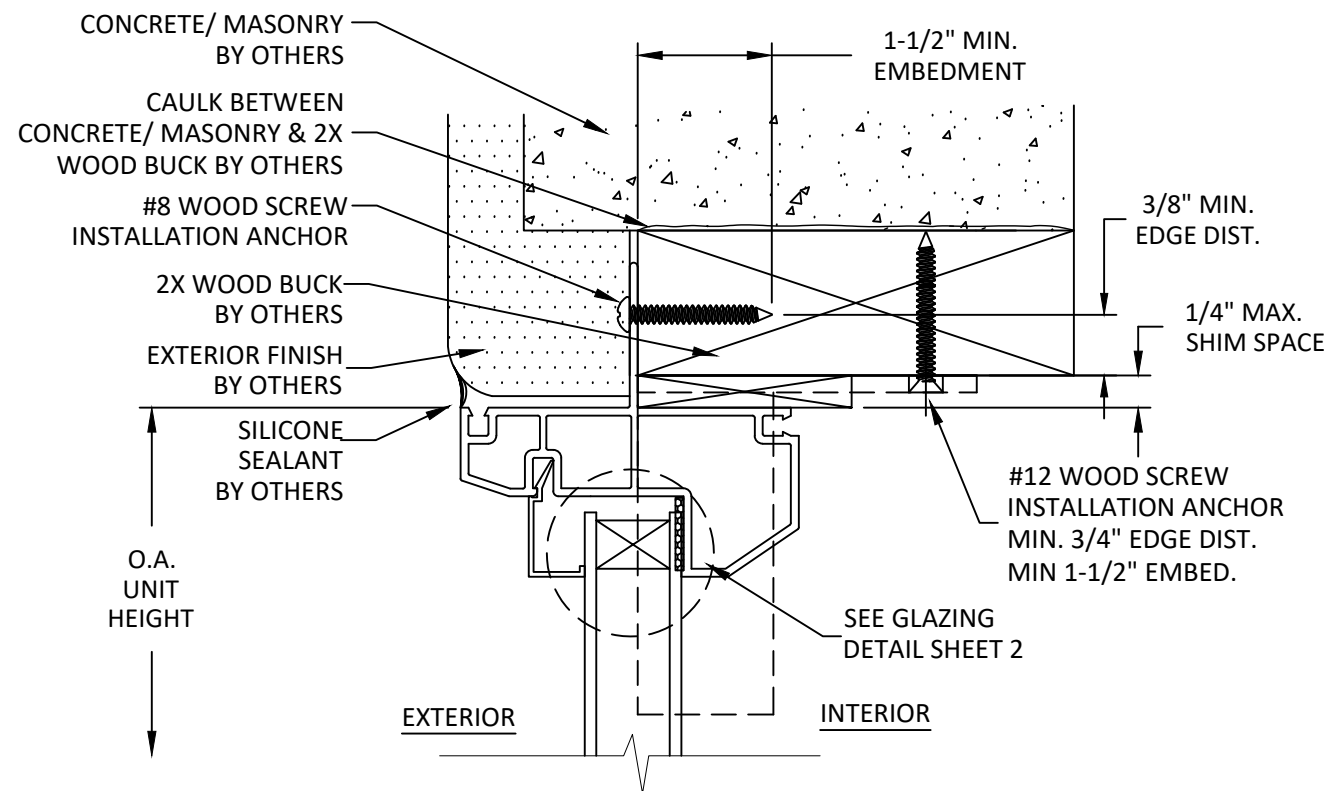
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HFN

SCALE:
NTS

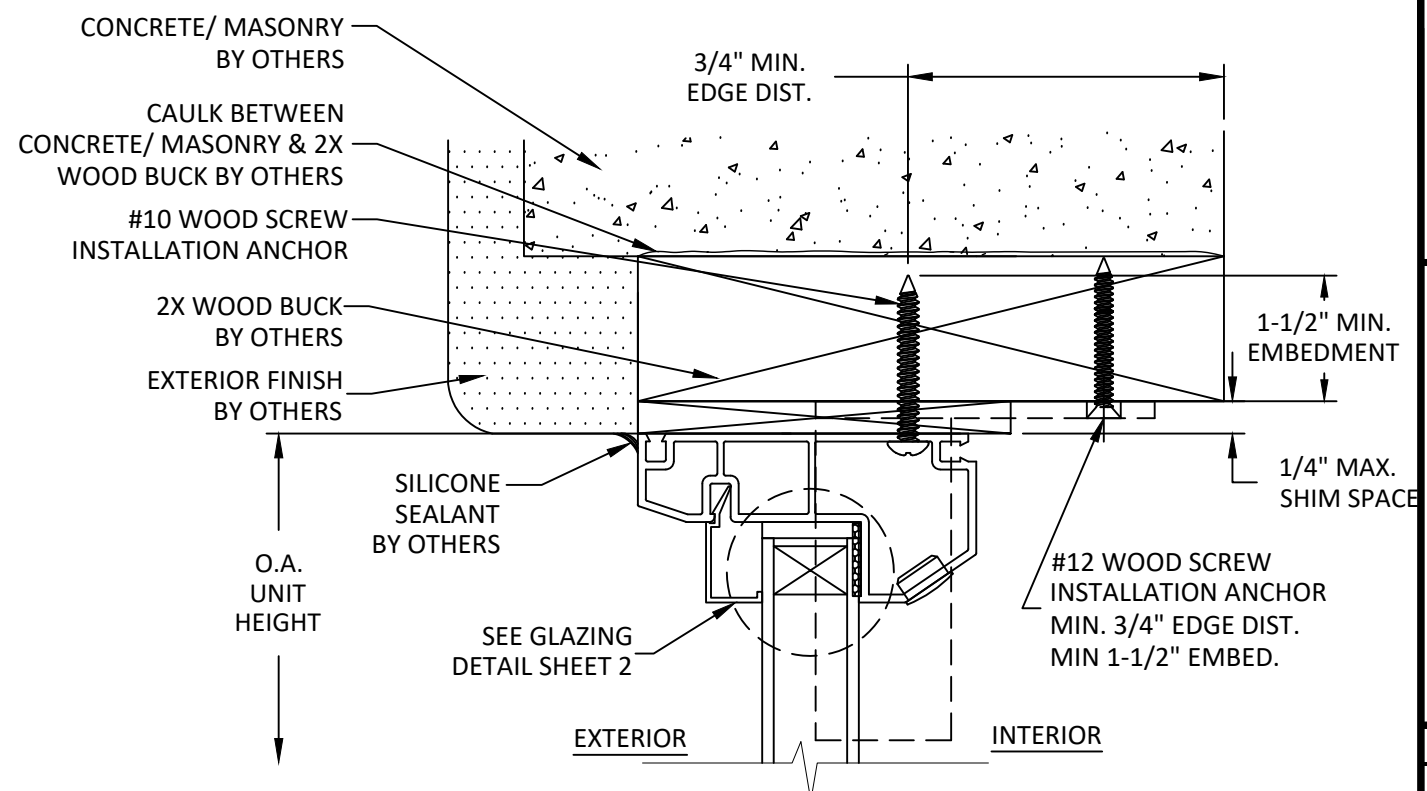
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ATR122

SECTION:
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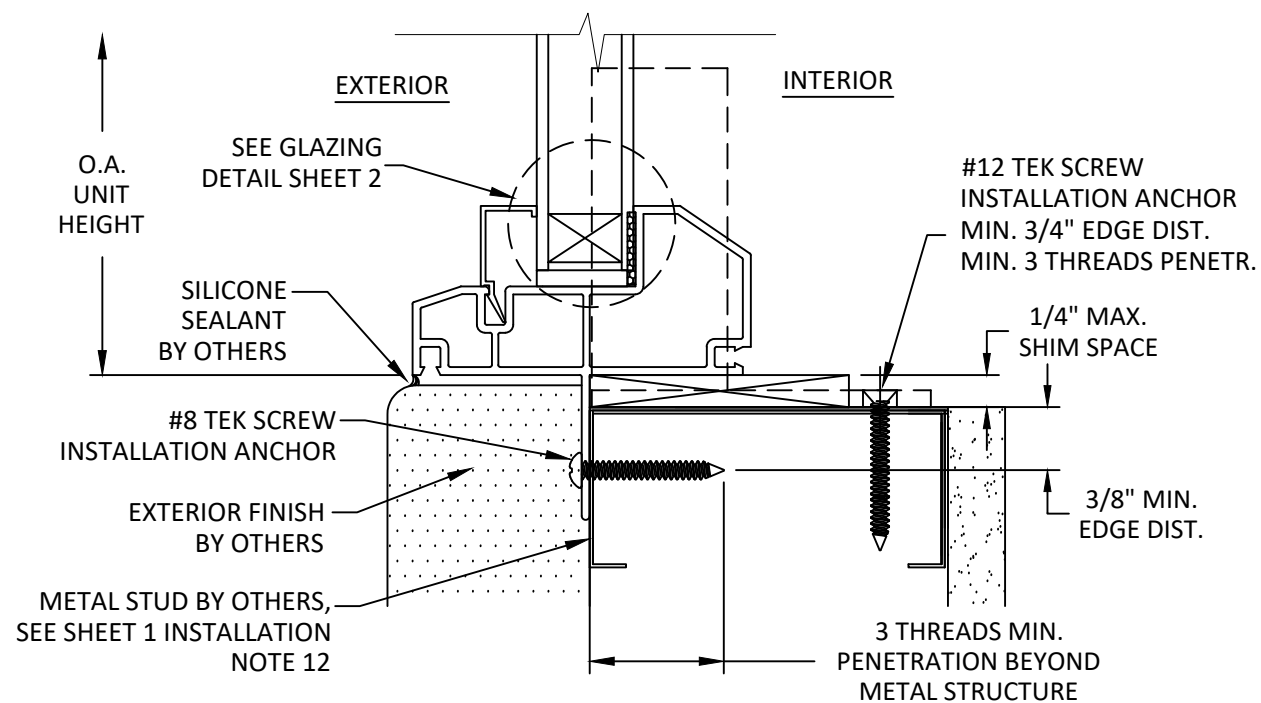
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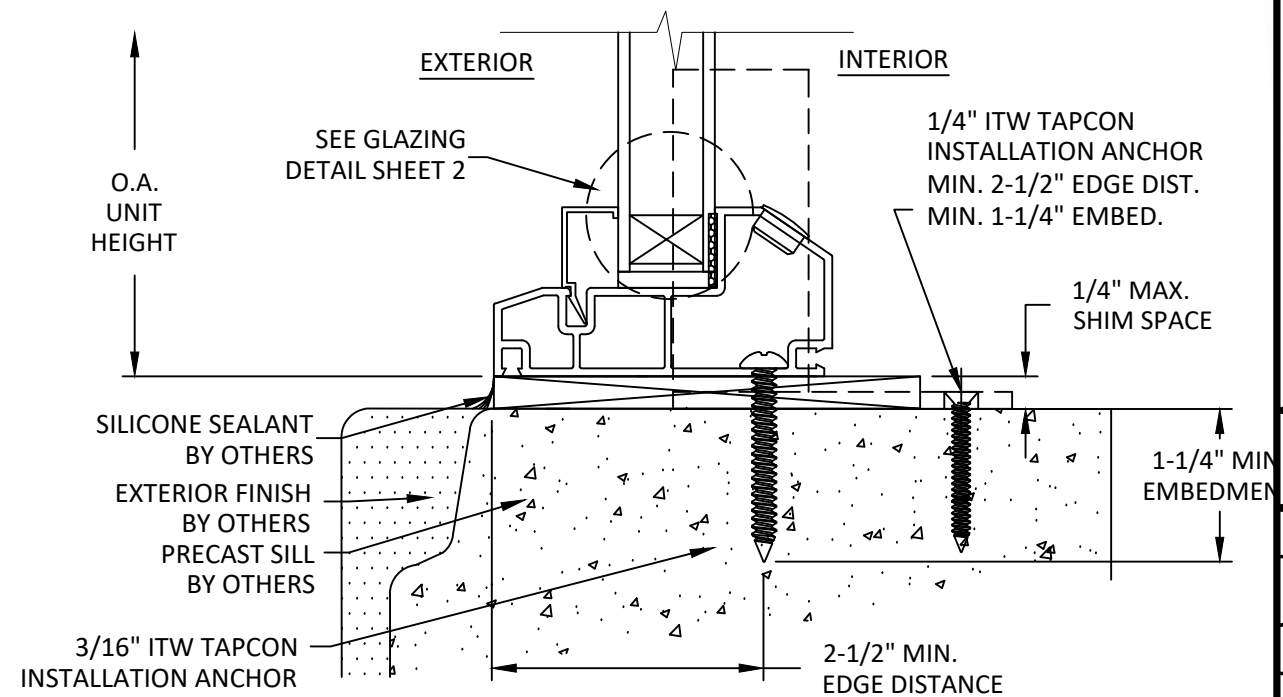
B
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN



D
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME



A
3 **VERTICAL SECTION**
SILL - METAL STUD
NAIL FIN



C
3 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
THROUGH FRAME

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VERTICAL SECTIONS

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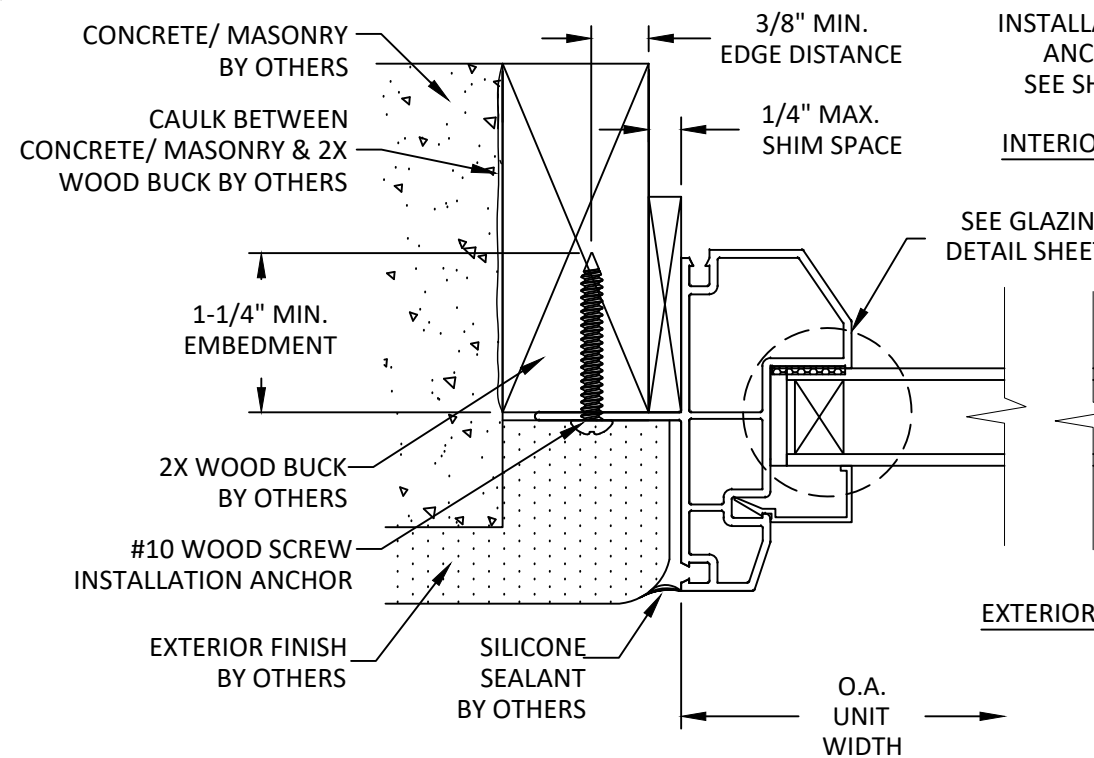


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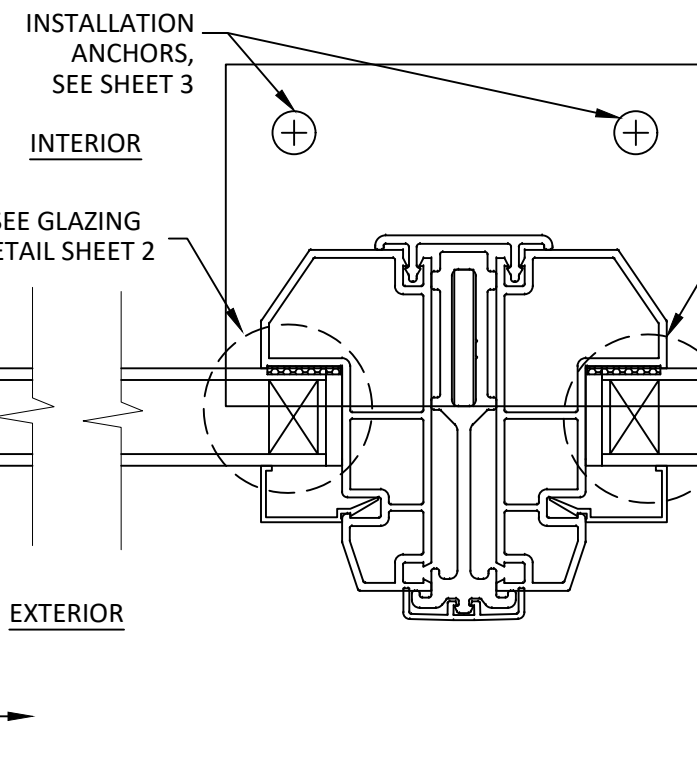
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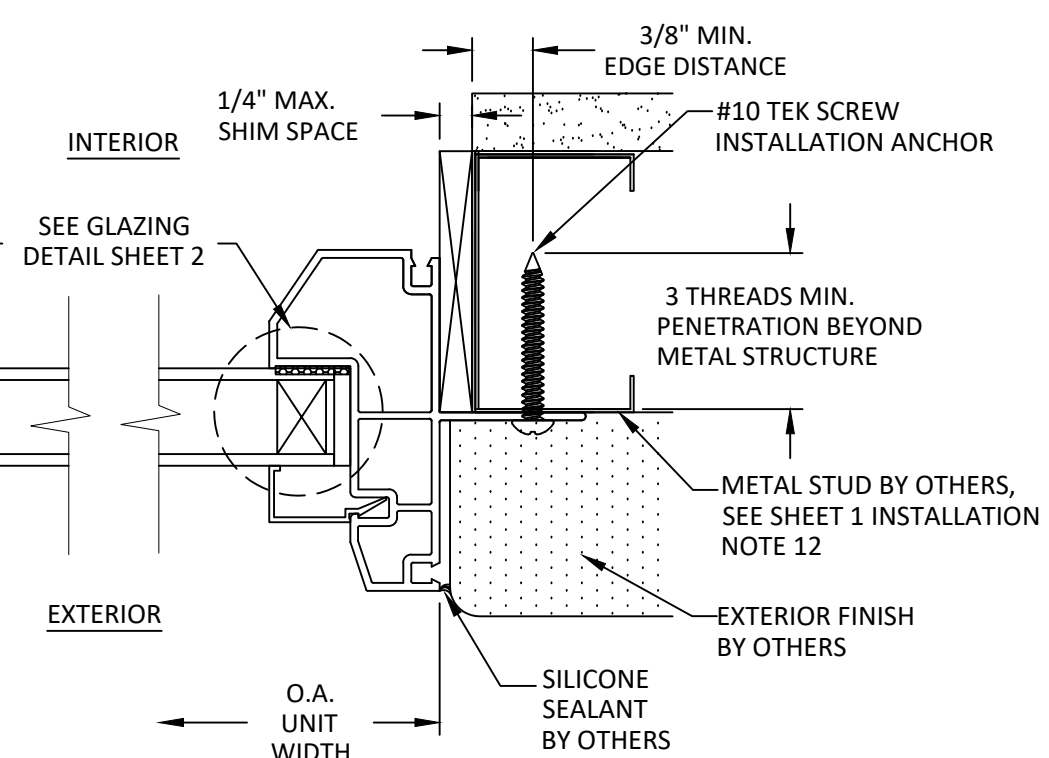
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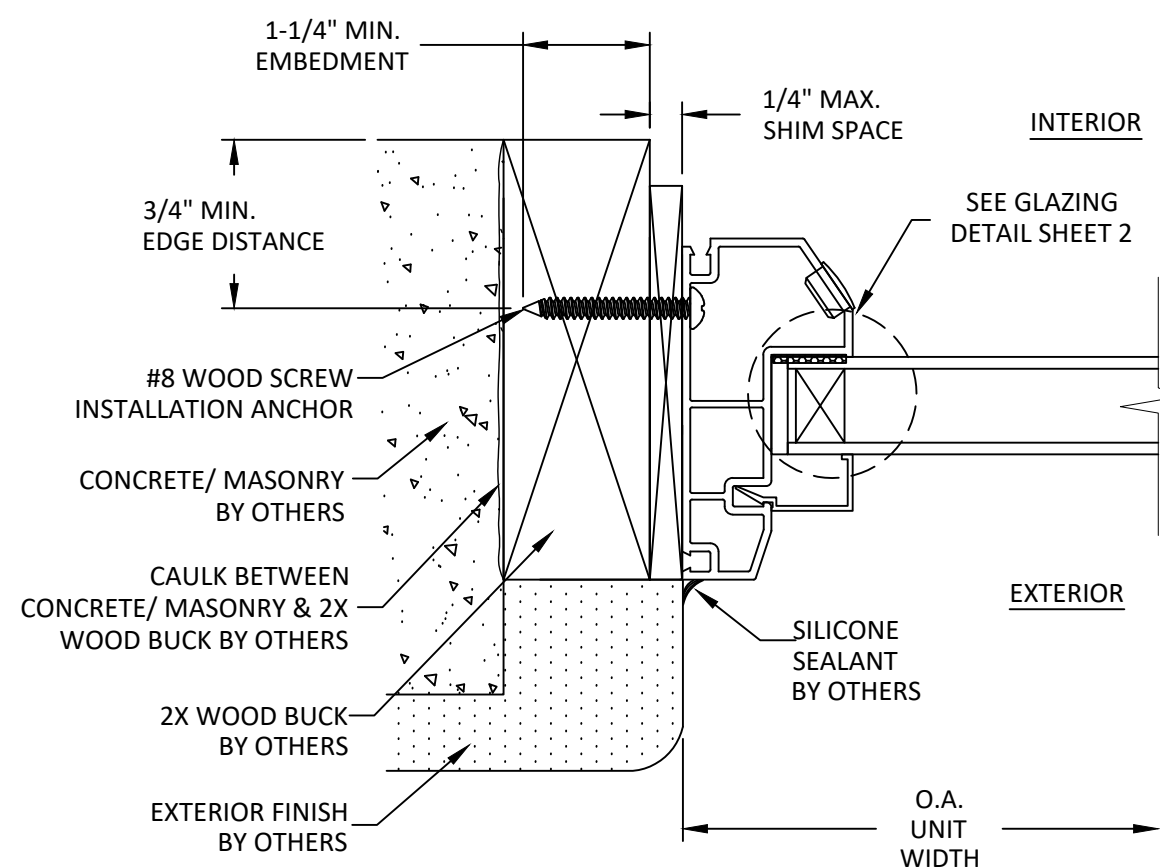
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4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
NAIL FIN



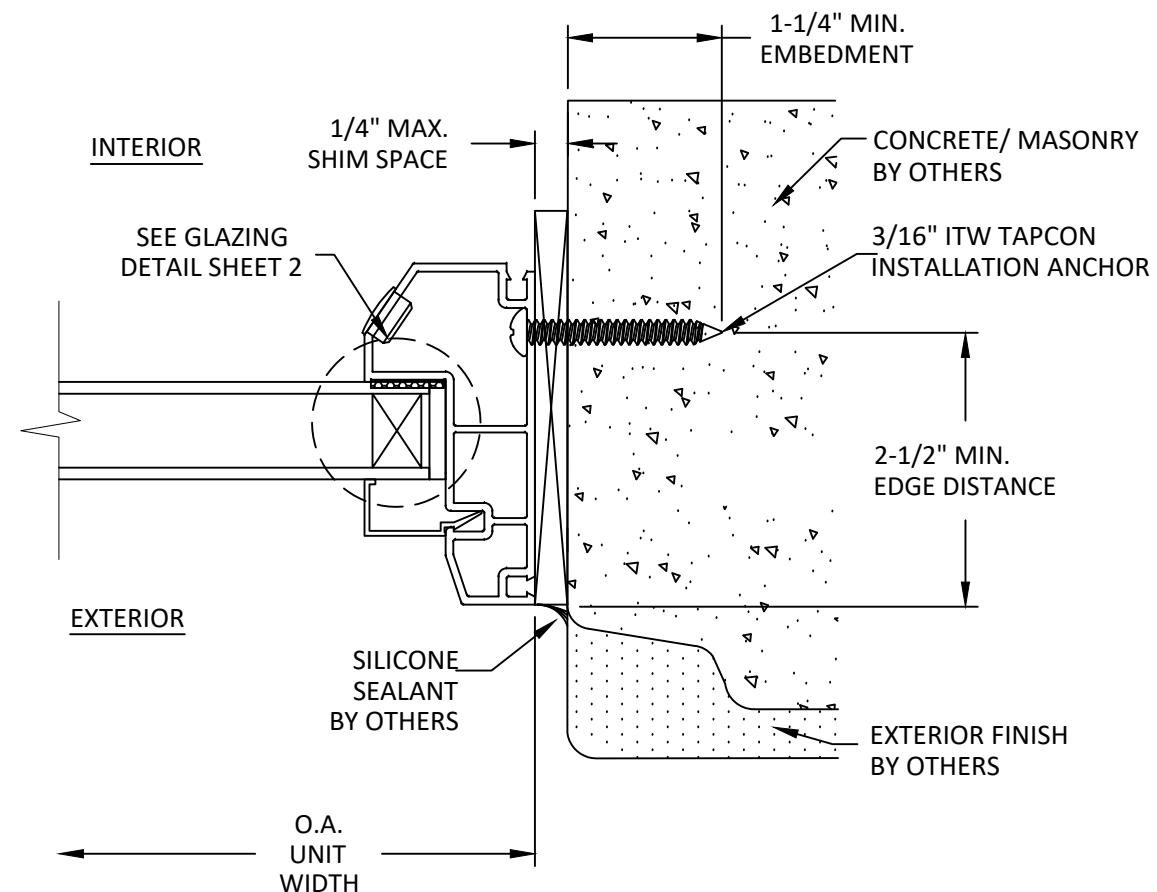
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4 **HORIZONTAL SECTION**
MULLION



H
4 **HORIZONTAL SECTION**
JAMB - METAL STUD
NAIL FIN



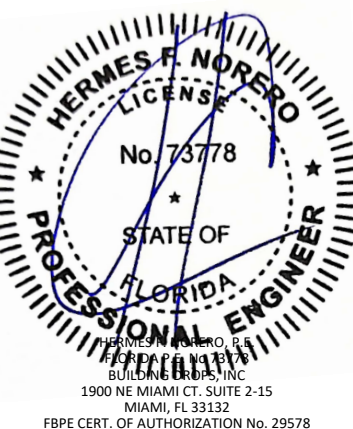
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4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
THROUGH FRAME



G
4 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
THROUGH FRAME

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