

ATRIUM COMPANIES, INC.

8700/1600/3500/80/6000 DOUBLE HUNG WINDOW (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHORS ARE 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 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 *#10 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 *3/16 INCH DIAMETER ITW TAPCON* OF SUFFICIENT LENGTH TO ACHIEVE *1 1/4 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. 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.
10. 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.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

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:

AAMA/WDMA/CSA 101/I.S.2/A440-17

AAMA 450-10
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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAIL.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

DESIGN PRESSURE RATING		
SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
36" X 74"	+50.0 / -50.0 PSF	NON-IMPACT
44" X 75"	+35.0 / -35.0 PSF	
48" X 78"	+30.0 / -30.0 PSF	
109" X 74"	+50.0 / -50.0 PSF	
72" X 108"	+50.0 / -50.0 PSF	

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ATRIUM COMPANIES, INC.
300 Welcome Center Blvd.
Welcome, NC 27374
(336)-764-6400

TITLE:
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DOUBLE HUNG WINDOW
(NON-HVHZ)(NON-IMPACT)
INSTALLATION & GENERAL NOTES

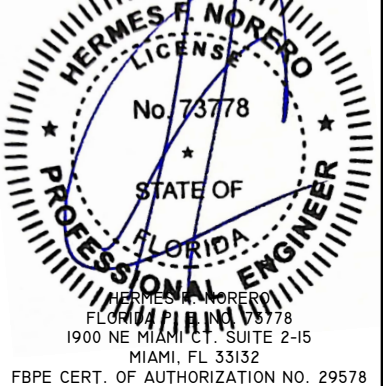
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
FBC 5th ED. CODE CHANGE	SM	06.05.14
FBC 2017 CODE CHANGE	AG	10.03.17
2020 FBC CODE CHANGE	NUS	08.14.20
Current FBC & EC24-100	LH	03.05.25

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.03.13 17:21:04 -05'



FL #:
FL20473

DATE:
10.03.17

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AR/AG

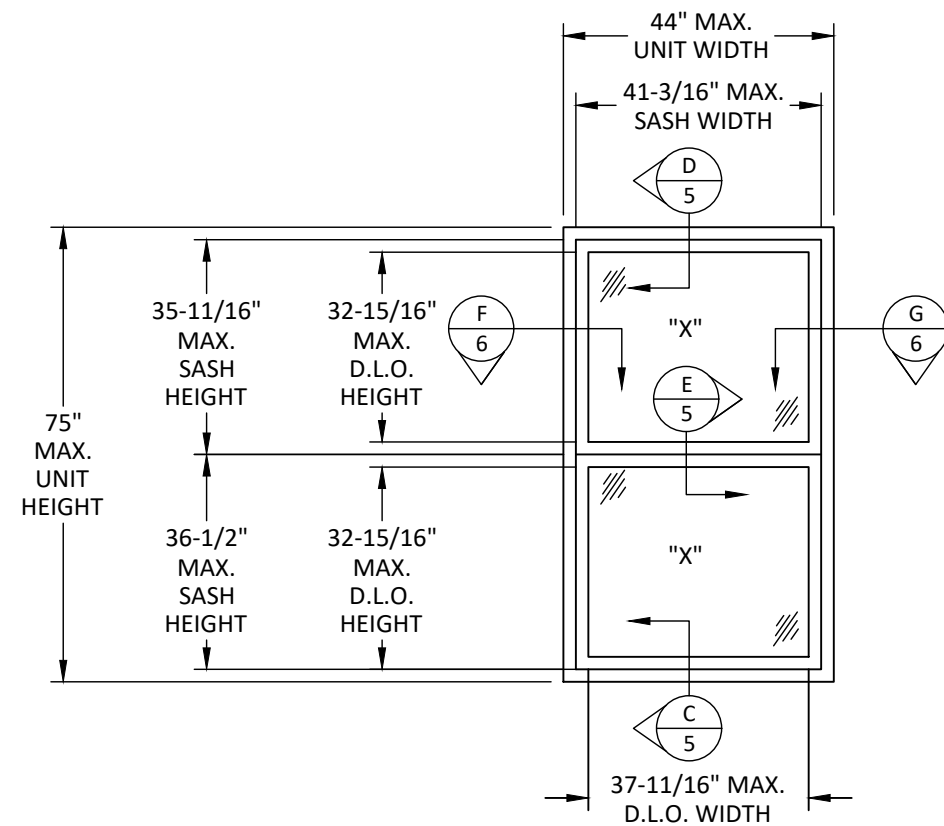
CHK. BY:
HFN

SCALE:
NTS

DWG. #:
ATR119

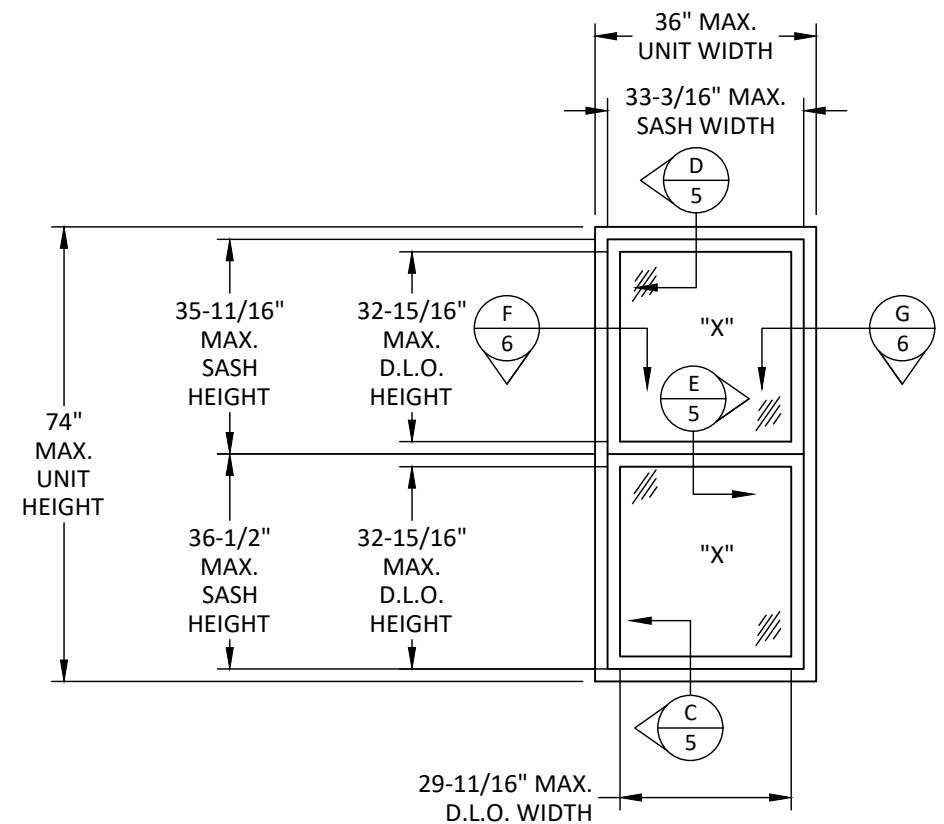
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OF 7



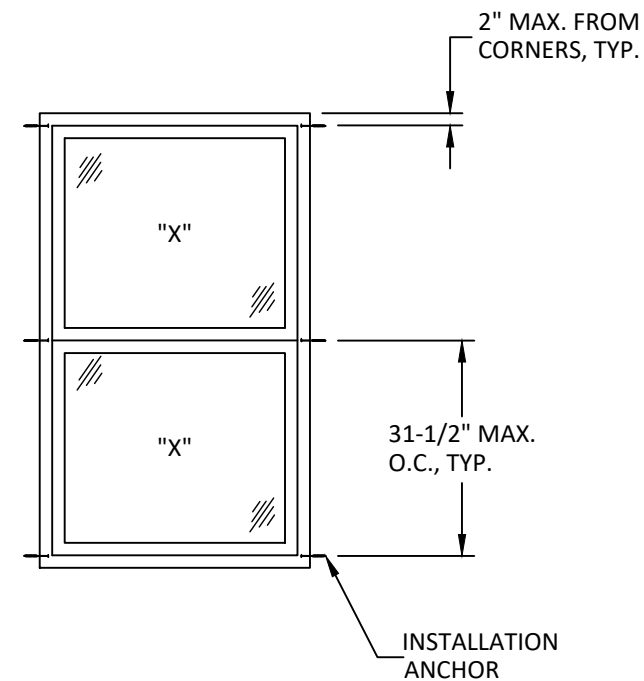
ELEVATION

EXTERIOR VIEW



ELEVATION

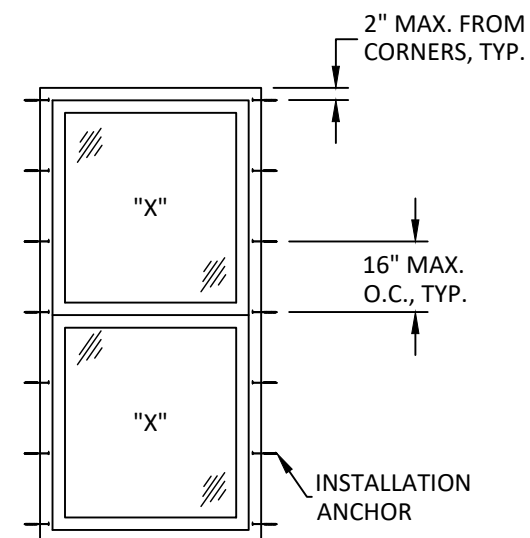
EXTERIOR VIEW



ANCHOR LAYOUT

DP: +35/-35 PSF

THROUGH FRAME INSTALLATION



ANCHOR LAYOUT

DP: +50/-50 PSF

THROUGH FRAME INSTALLATION

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ELEVATIONS
& ANCHOR LAYOUTS

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SCALE: **NTS**

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2

OF 7

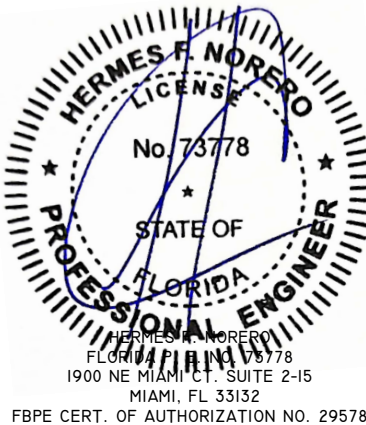
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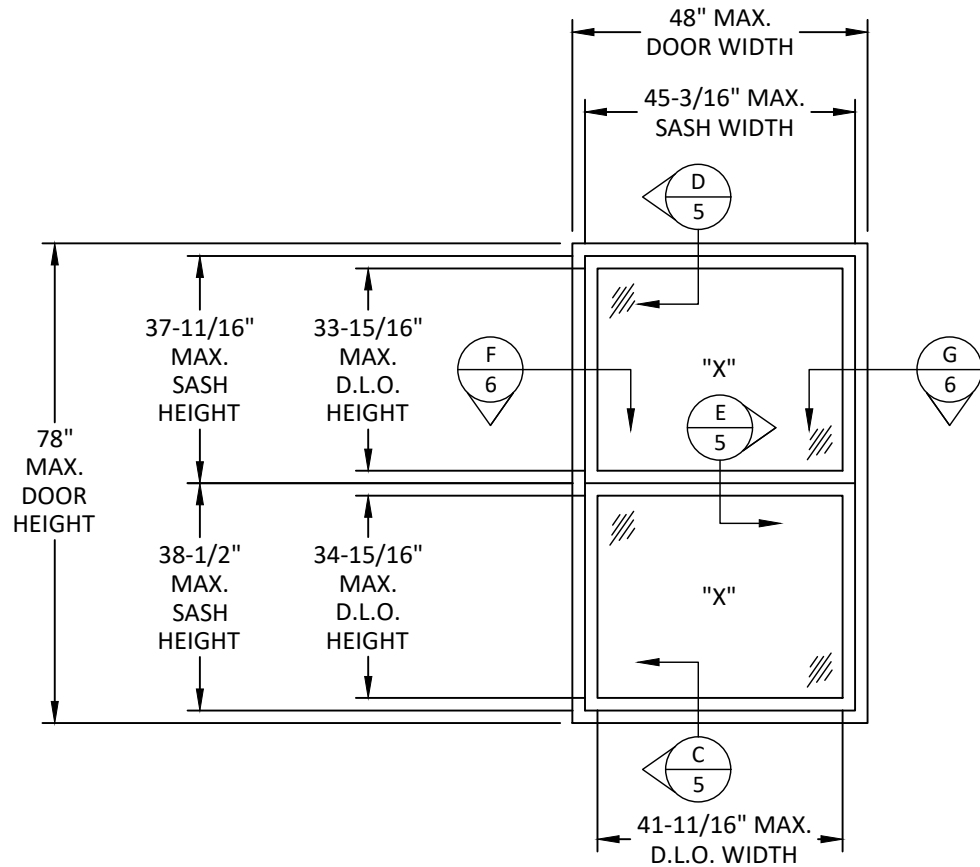
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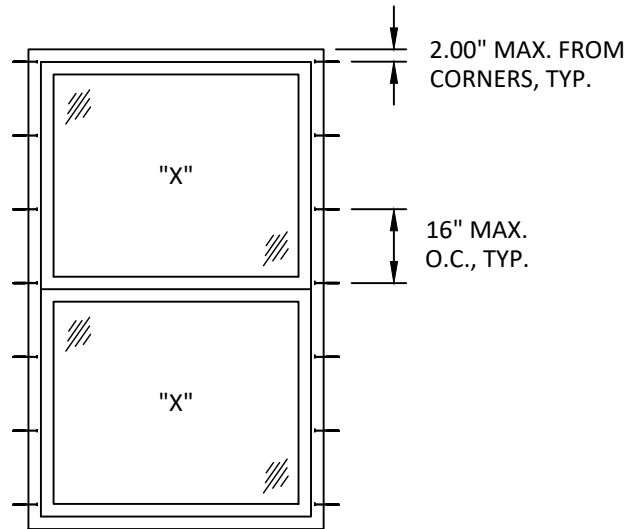
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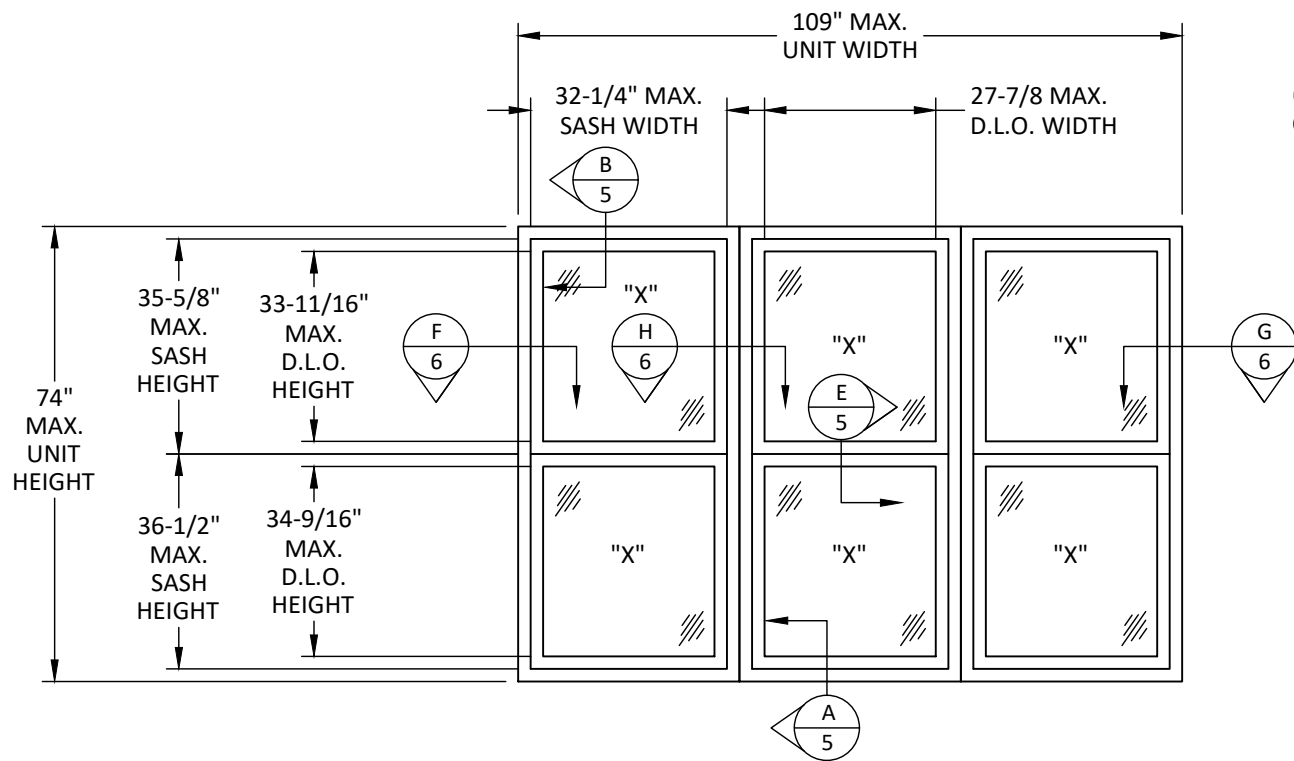
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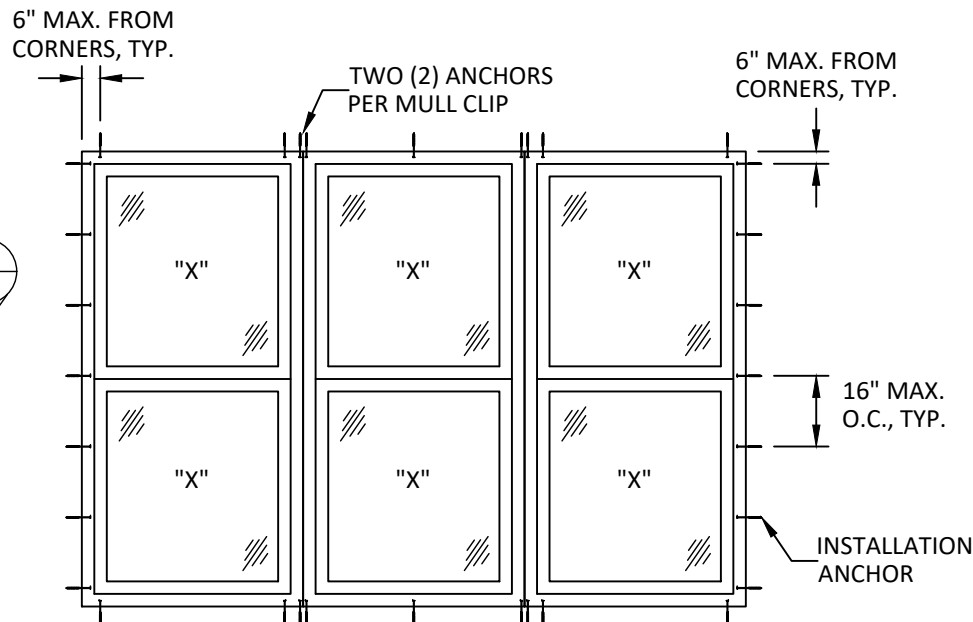
ELEVATION
EXTERIOR VIEW



ANCHOR LAYOUT
DP +30/-30 PSF
THROUGH FRAME INSTALLATION



ELEVATION
EXTERIOR VIEW



ANCHOR LAYOUT
DP: +50/-50 PSF
MULL CLIP INSTALLATION

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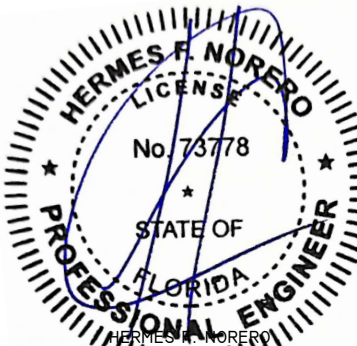
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HERMES F. NORERO
FLORIDA PROFESSIONAL ENGINEER
1900 NE MIAMI CT., SUITE 2-15
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FBPE CERT. OF AUTHORIZATION NO. 29578

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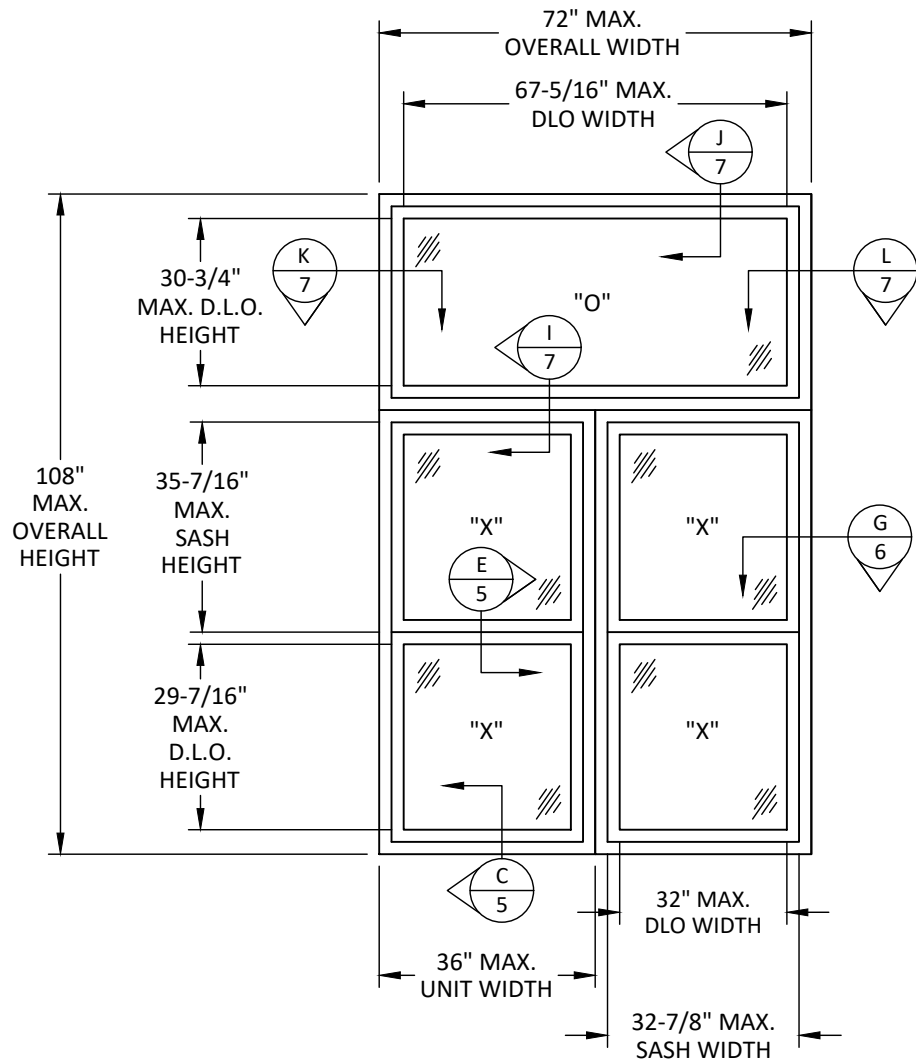
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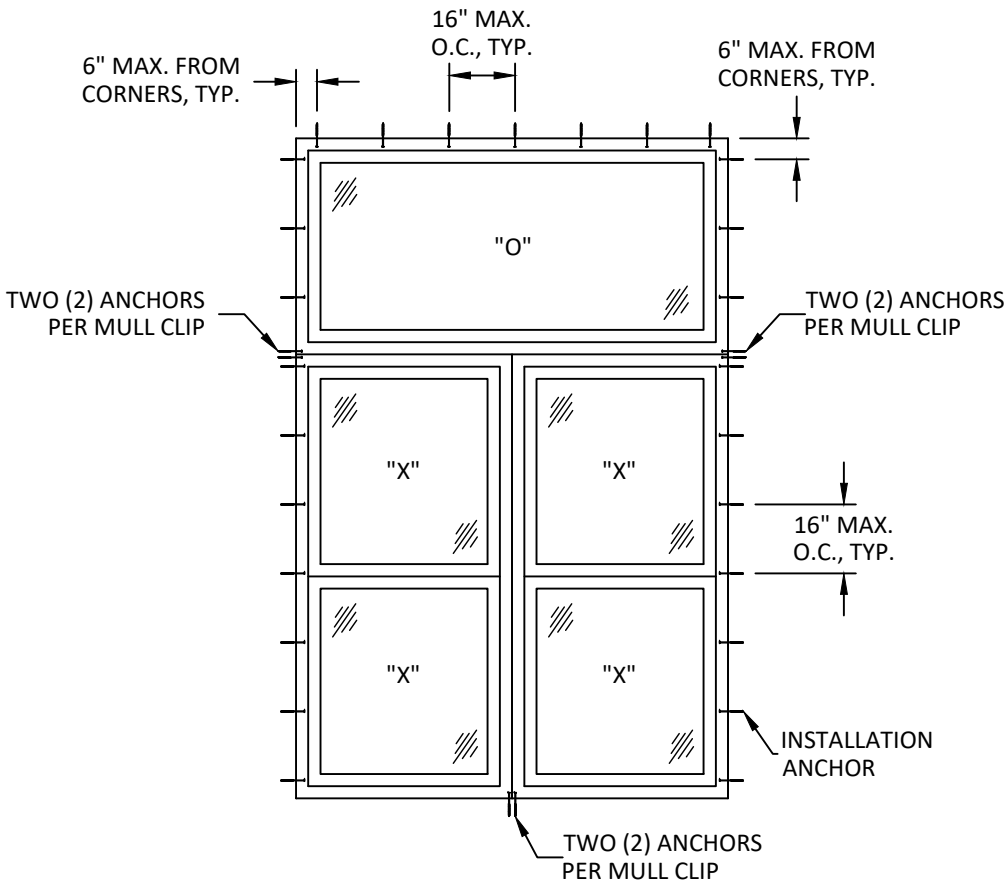
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OF 7



ELEVATION
EXTERIOR VIEW



ANCHOR LAYOUT
DP: +35/-35 PSF

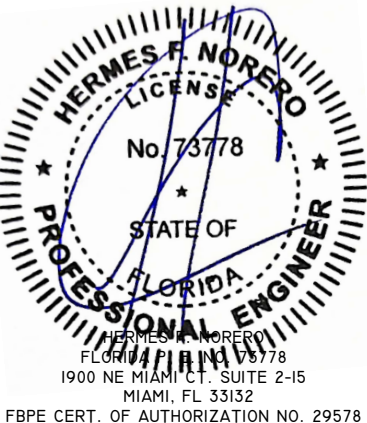
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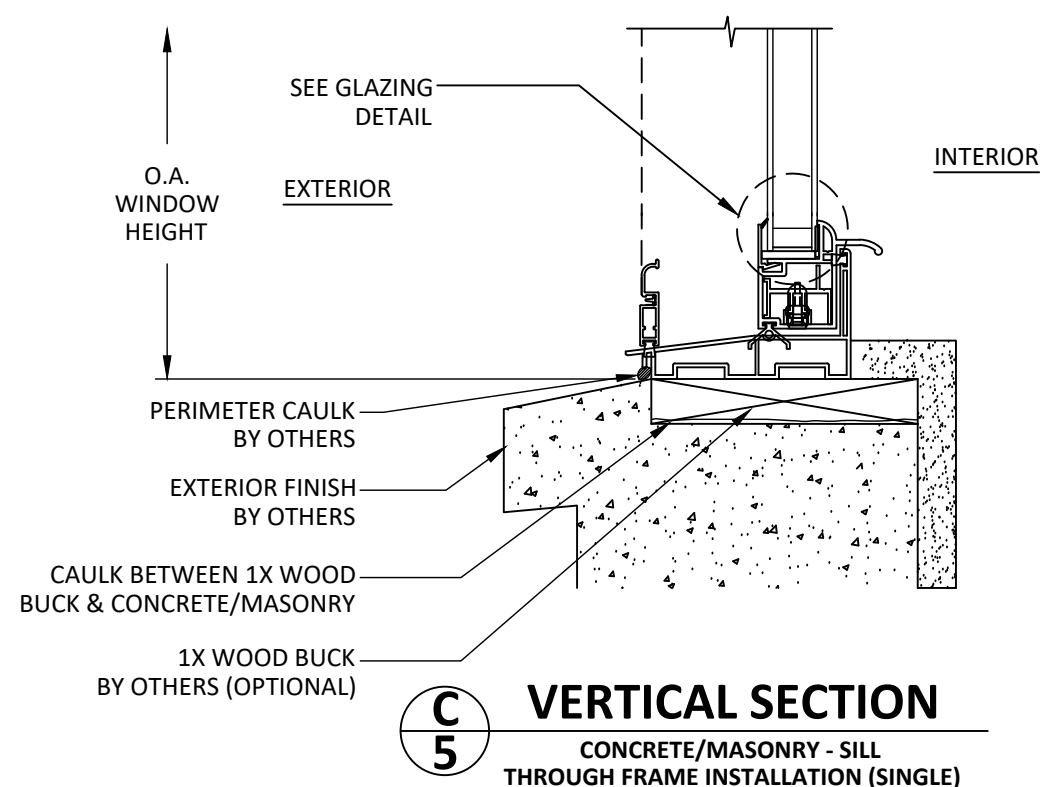
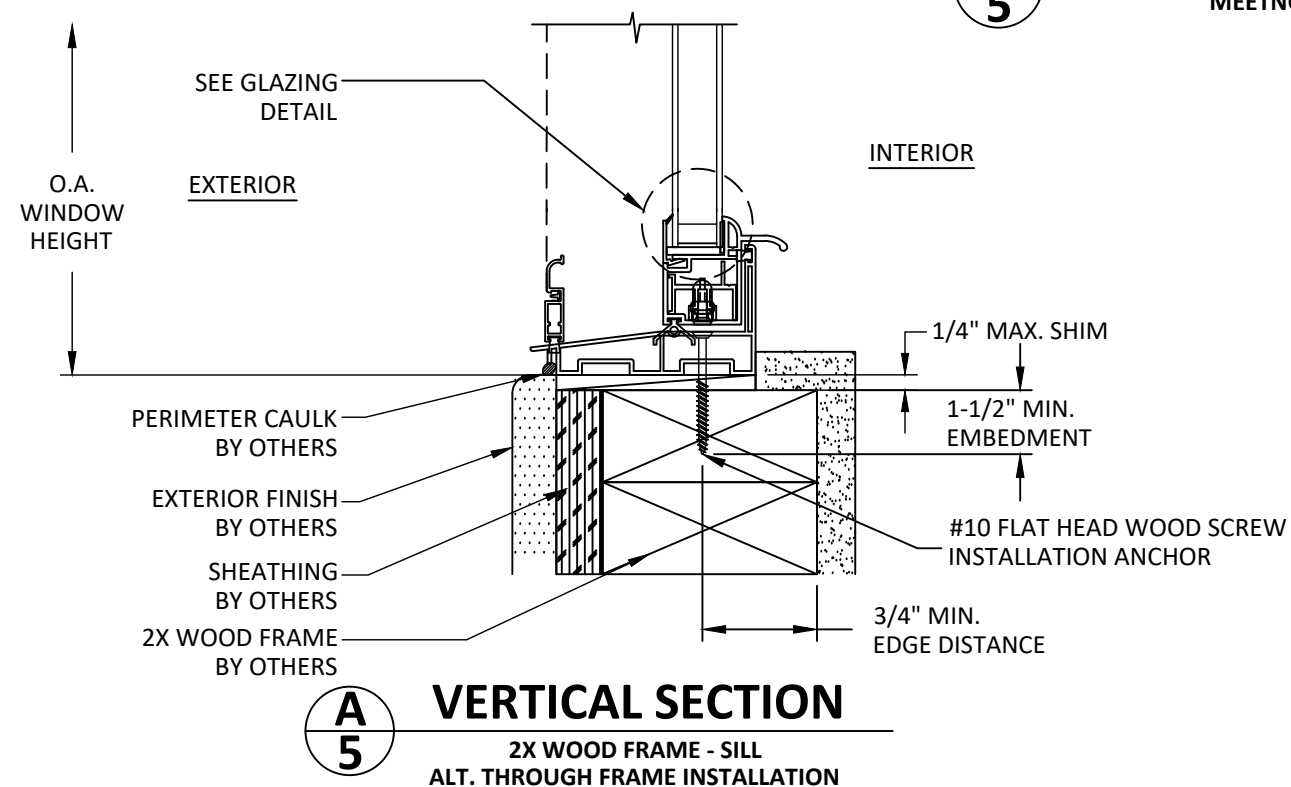
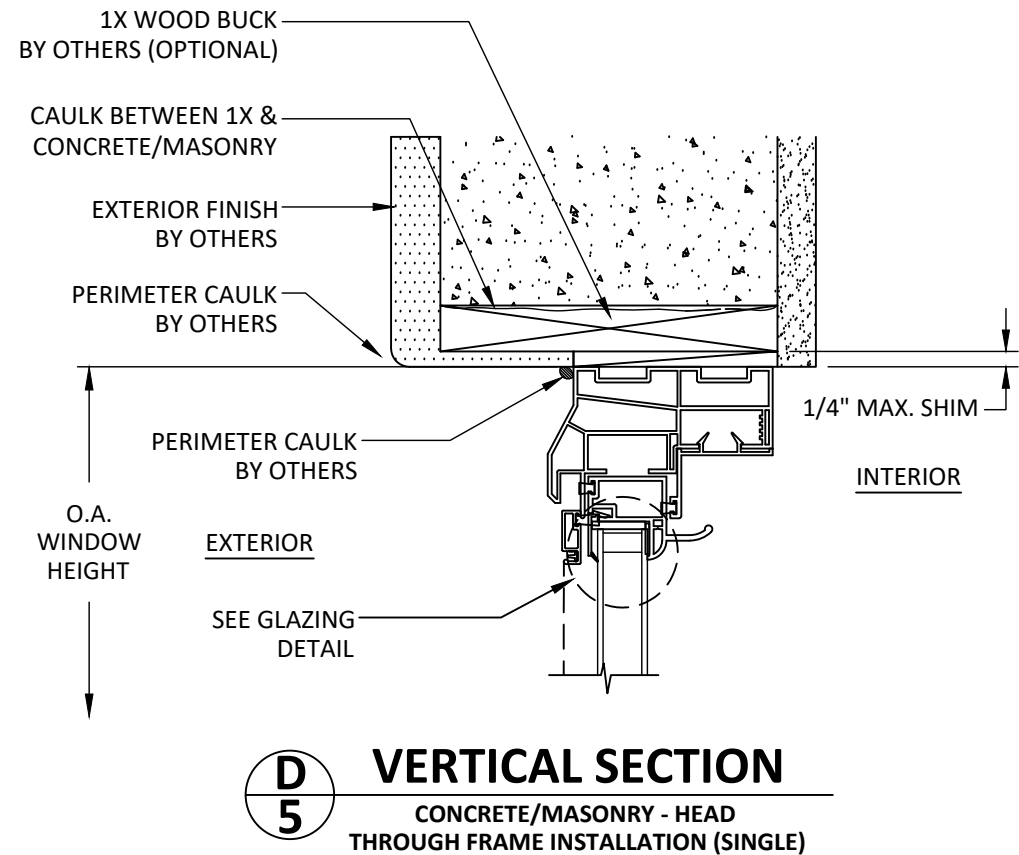
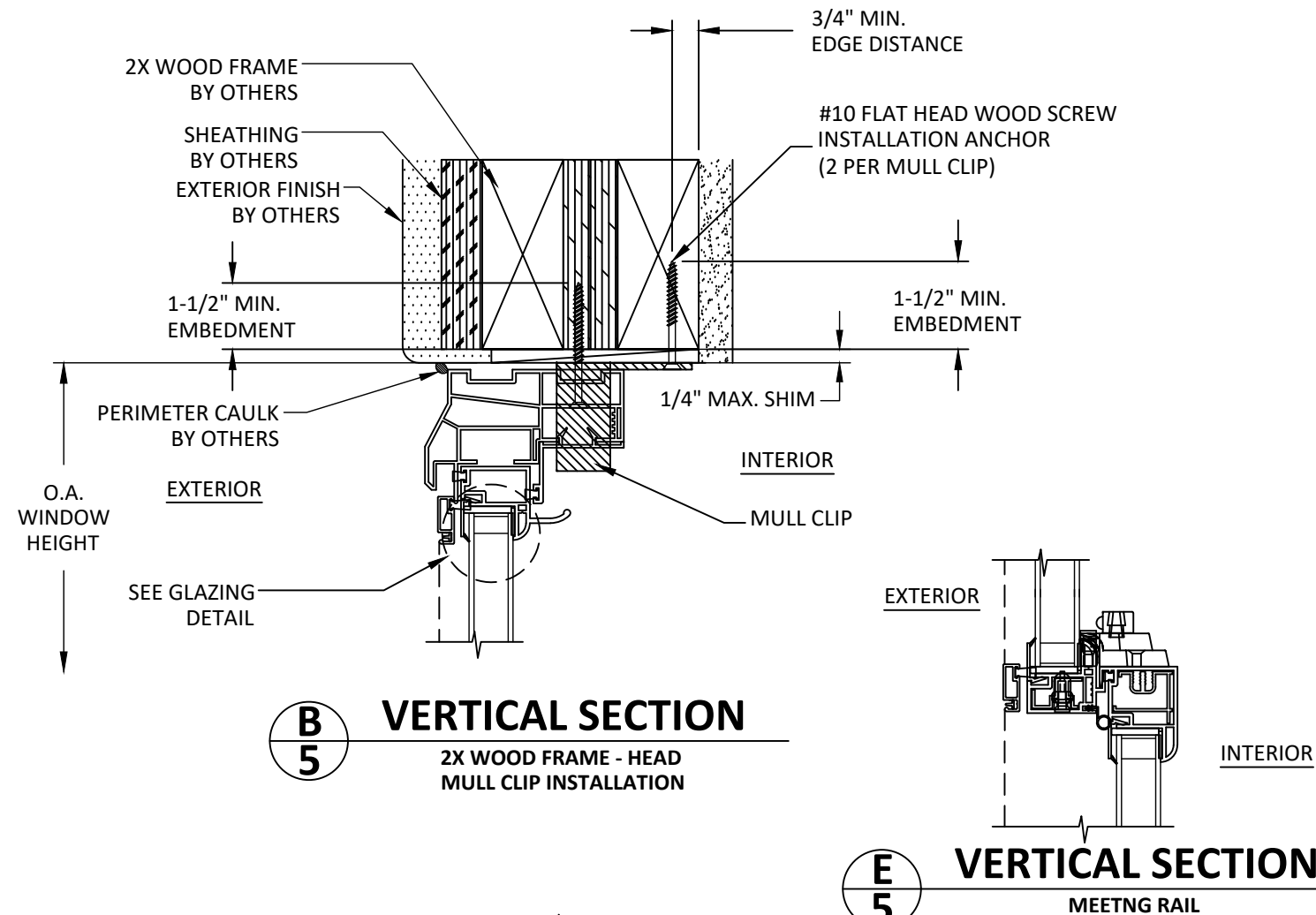
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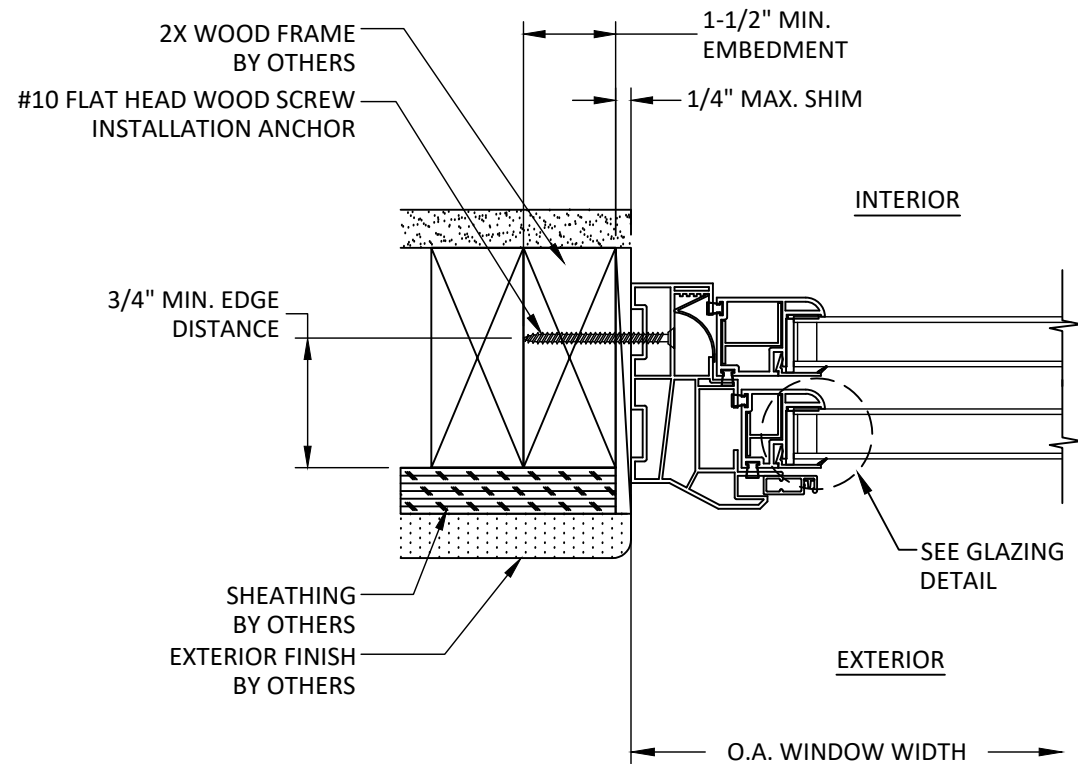
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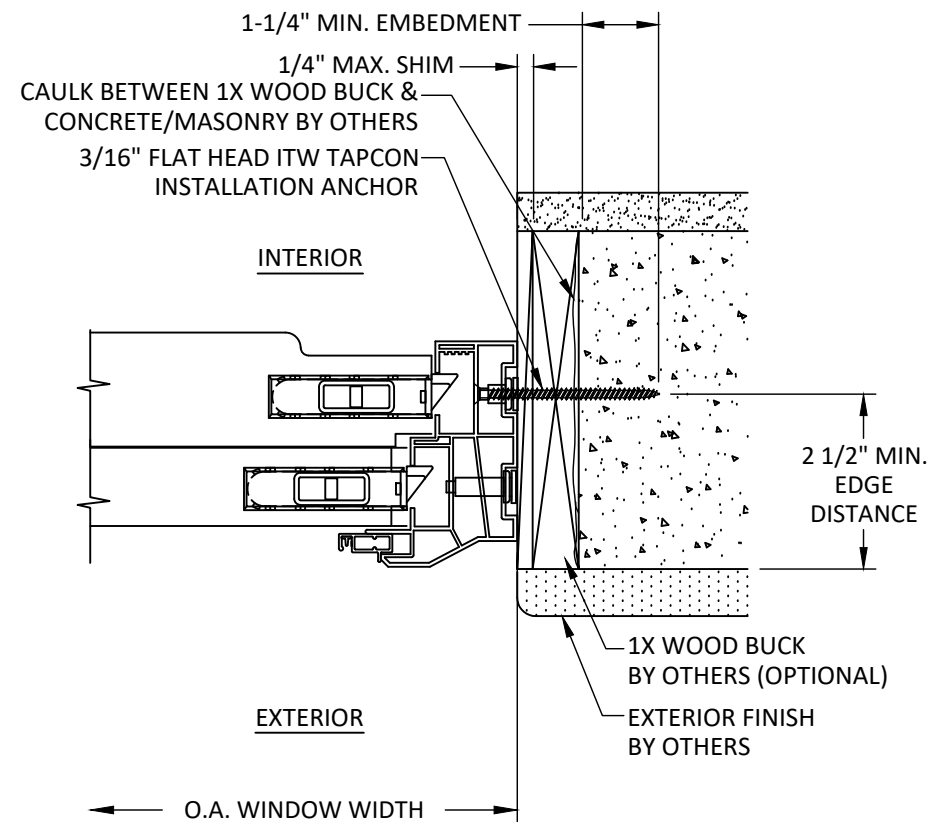
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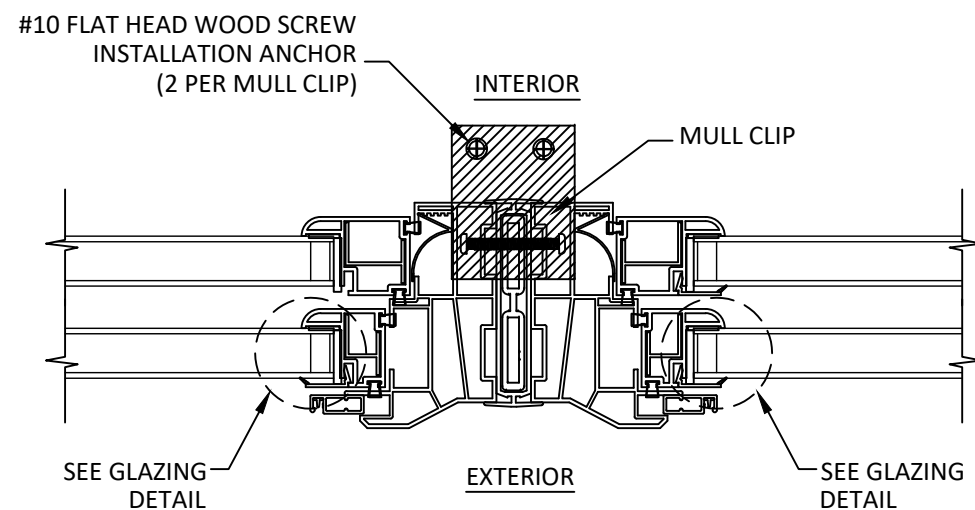




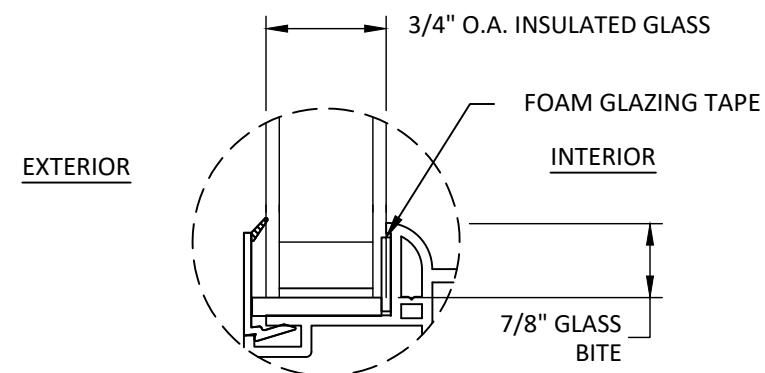
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6 **HORIZONTAL SECTION**
2X WOOD FRAME - JAMB



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



H
6 **VERTICAL SECTION**
VERICAL MULLION



GLAZING DETAIL

NOTE:
GLASS THICKNESS AND TYPE SHALL
COMPLY WITH ASTM E 1300 GLASS
CHART REQUIREMENTS.

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SERIES 8700/1600/3500/80/6000
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HORIZONTAL SECTIONS
& GLAZING DETAIL

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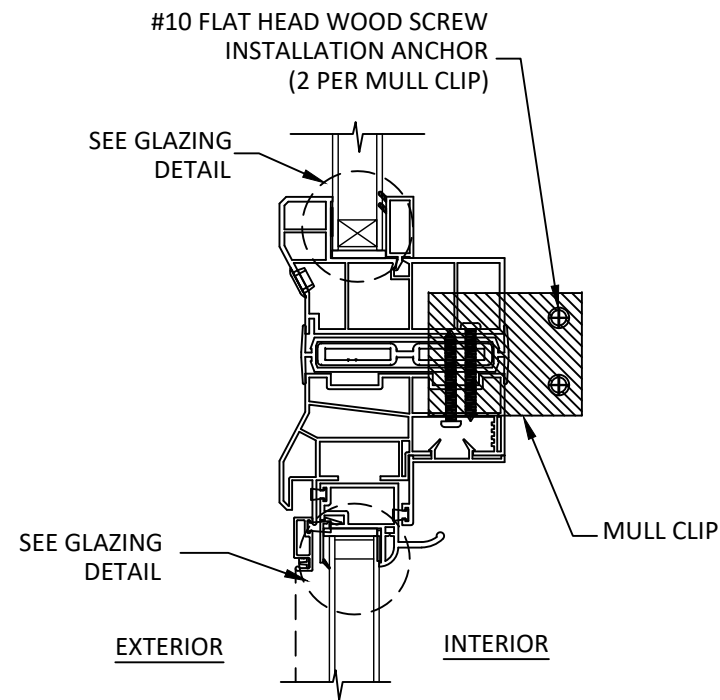
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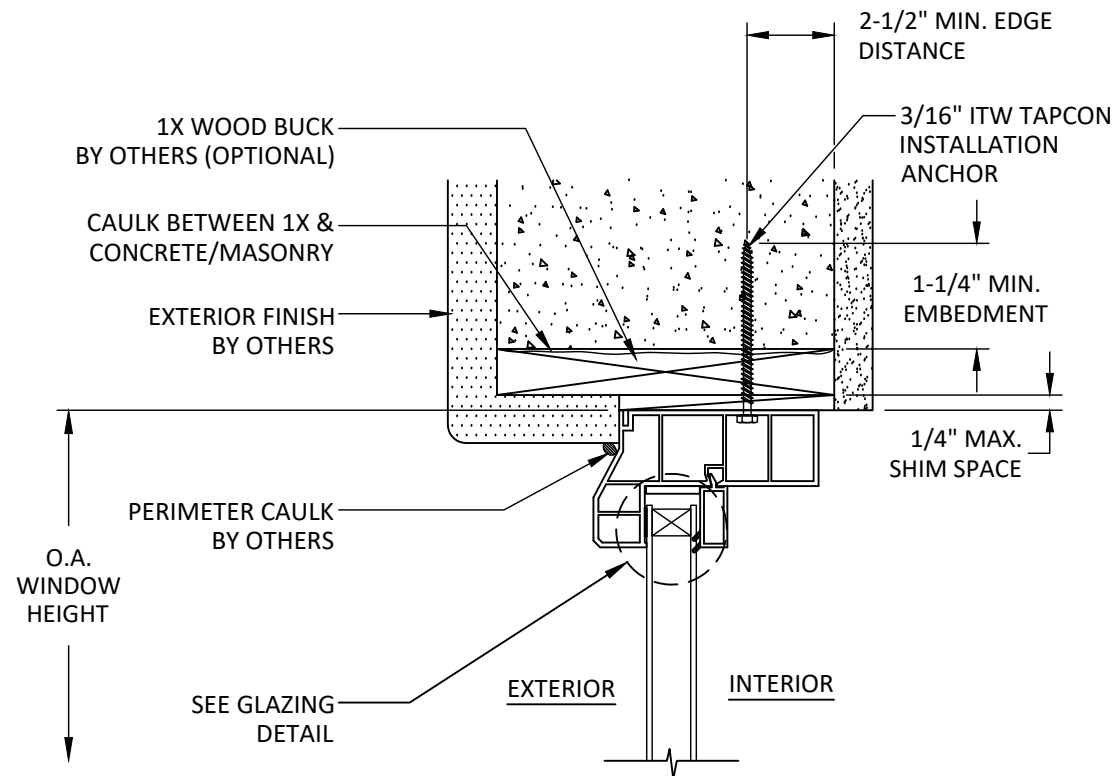
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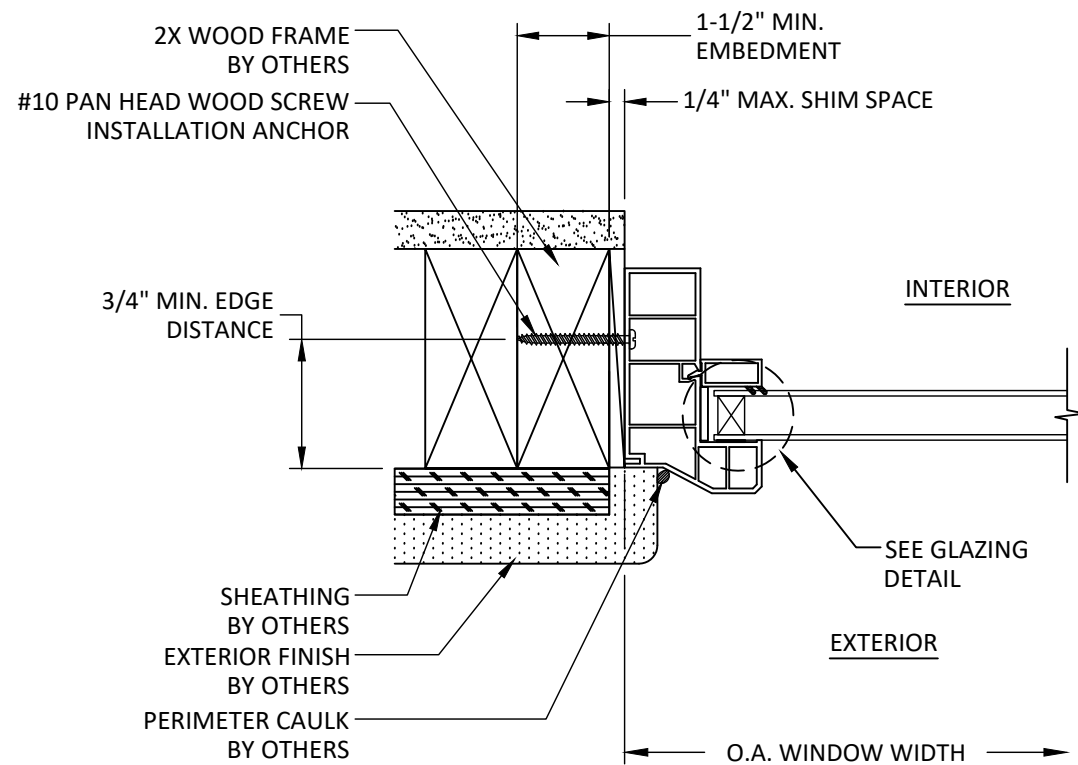
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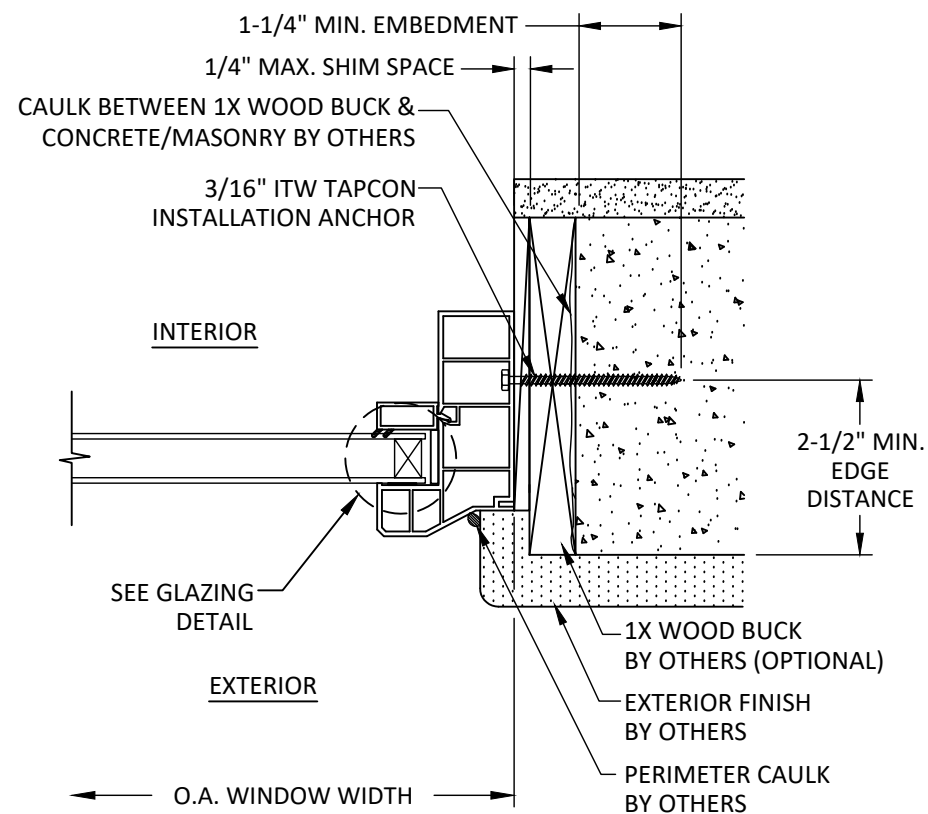
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7 **VERTICAL SECTION**
HORIZONTAL MULLION



J
7 **VERTICAL SECTION**
CONCRETE/MASONRY - TRANSOM HEAD



K
7 **HORIZONTAL SECTION**
2X WOOD FRAME - TRANSOM JAMB



L
7 **HORIZONTAL SECTION**
CONCRETE/MASONRY - TRANSOM JAMB

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