

ATRIUM CORPORATION

PICTURE WINDOW
(NON-HVHZ) (NON-IMPACT)

8300/8700/1300/1600/3201/3500/40/80/3000/6000

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 0.55.

B.

CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MINIMU COMPRESSIVE STRENGTH OF 1500 PSI.

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) AND THE CURRENT IRC/IBC, EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

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AAMA/WDMA/CSA 101/I.S.2/A440-17
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 MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.

DESIGN PRESSURE RATING		
DESIGN PRESSURE	MAXIMUM SIZE	MISSILE IMPACT RATING
+50.0 / -50.0 PSF	48" X 84"	NON-IMPACT

NOTE: WIDTH AND HEIGHT ARE INTERCHANGEABLE

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS & GLAZING DETAIL

ATRIIUM

WINDOWS AND DOORS

Part of the Cornerstone Building Brands Family

300 WELCOME CENTER BLVD
WELCOME, NC 27374
PH: (800) 542-9118

TITLE: 8300/8700/1300/1600/3201/3500/40/80/3000/6000 PICTURE WINDOW

INSTALLATION & GENERAL NOTES

DATE:

10.03.17

DWN BY:

AR/AG

CHK BY:

HFN

SCALE:

NTS

REVISION DESCRIPTION

BY

DATE

B

FBC 5TH ED. CODE CHANGE

SM

06.03.14

C

FBC 2017 CODE CHANGE

AG

10.03.17

D

7TH EDITION 2020 FBC

LMH

11.01.21

E

UPDATED TO CURRENT FBC

LMH

09.08.25

Digitally signed by Hermes F. Norero, P.E
Reason: I am approving this document
Date: 2025.10.27 14:00:13 -04'00'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO

FLORIDA P. E. NO. 73778

1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.

1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

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FL#:

19702

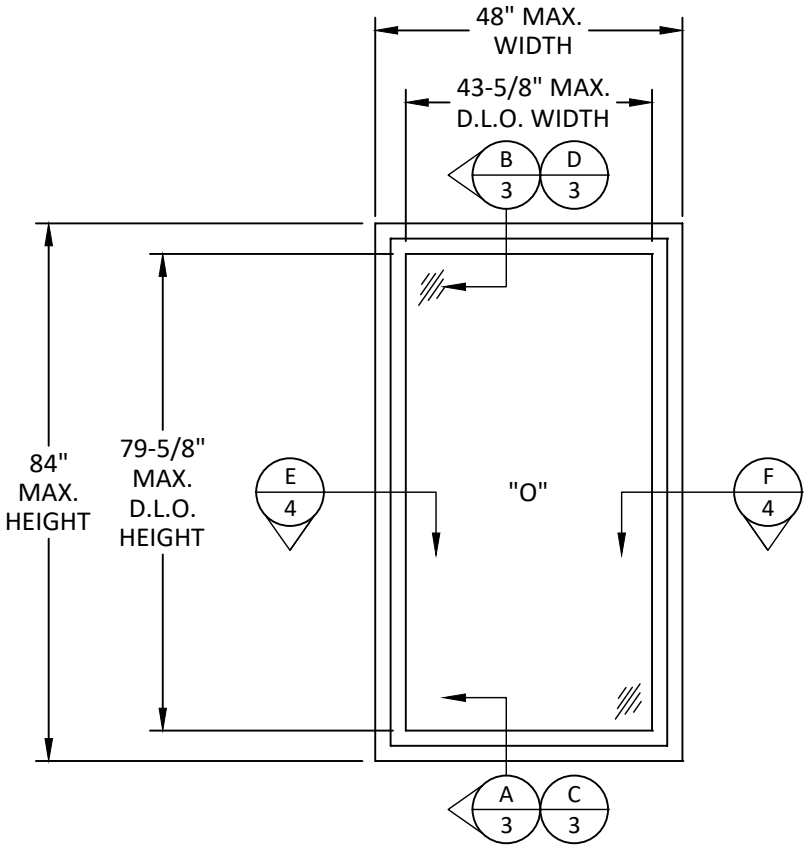
DWG#:

ATRII2

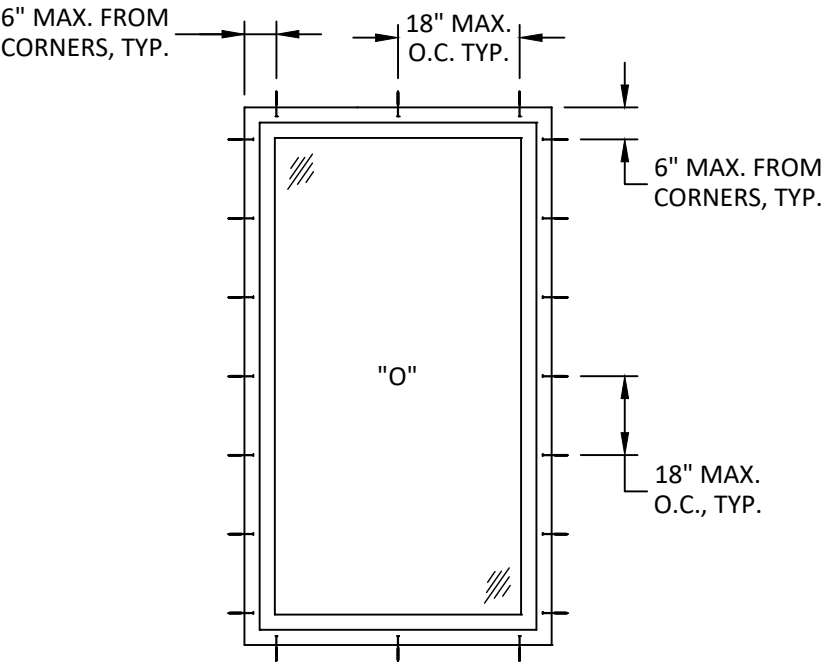
SHEET:

1

OF 4



ELEVATION
EXTERIOR VIEW



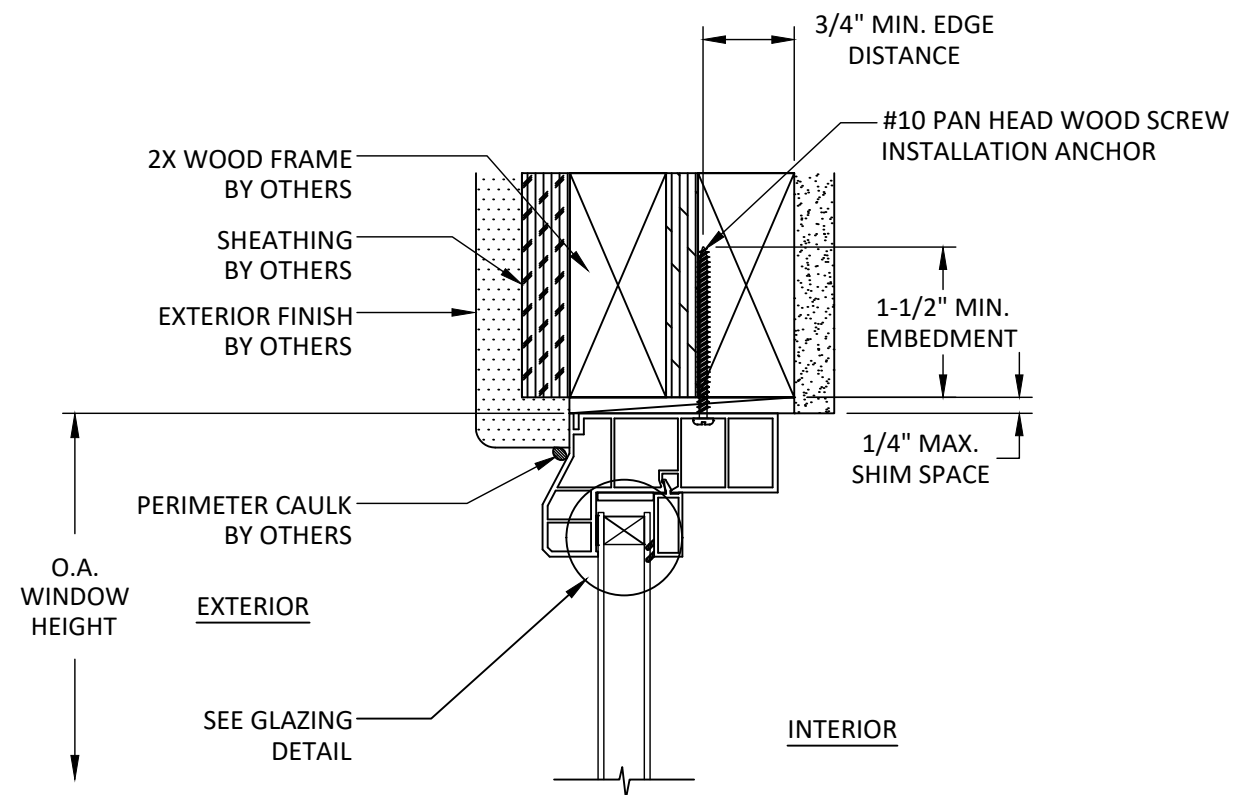
ANCHOR LAYOUT

TITLE: 8300/8700/1300/1600/3201/3500/40/80/3000/6000 PICTURE WINDOW ELEVATION AND ANCHOR LAYOUT					DATE	BY	DATE
REVISION DESCRIPTION					NO.	BY	DATE
FBC 5TH ED. CODE CHANGE					B	SM	06.03.14
FBC 2017 CODE CHANGE					C	AG	10.03.17
7TH EDITION 2020 FBC					D	LMH	11.01.21
UPDATED TO CURRENT FBC					E	LMH	09.08.25
DATE:	DWN BY:	CHK BY:	SCALE:				
10.03.17	AR/AG	HFN	NTS				

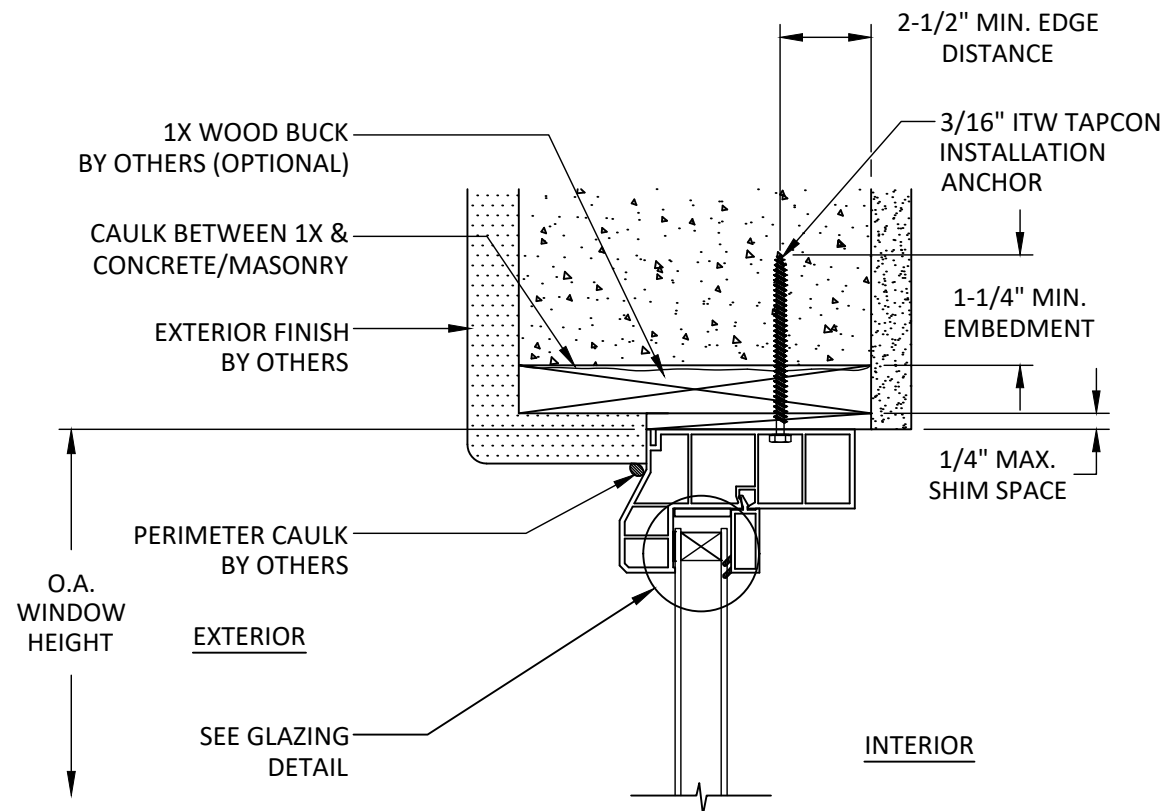

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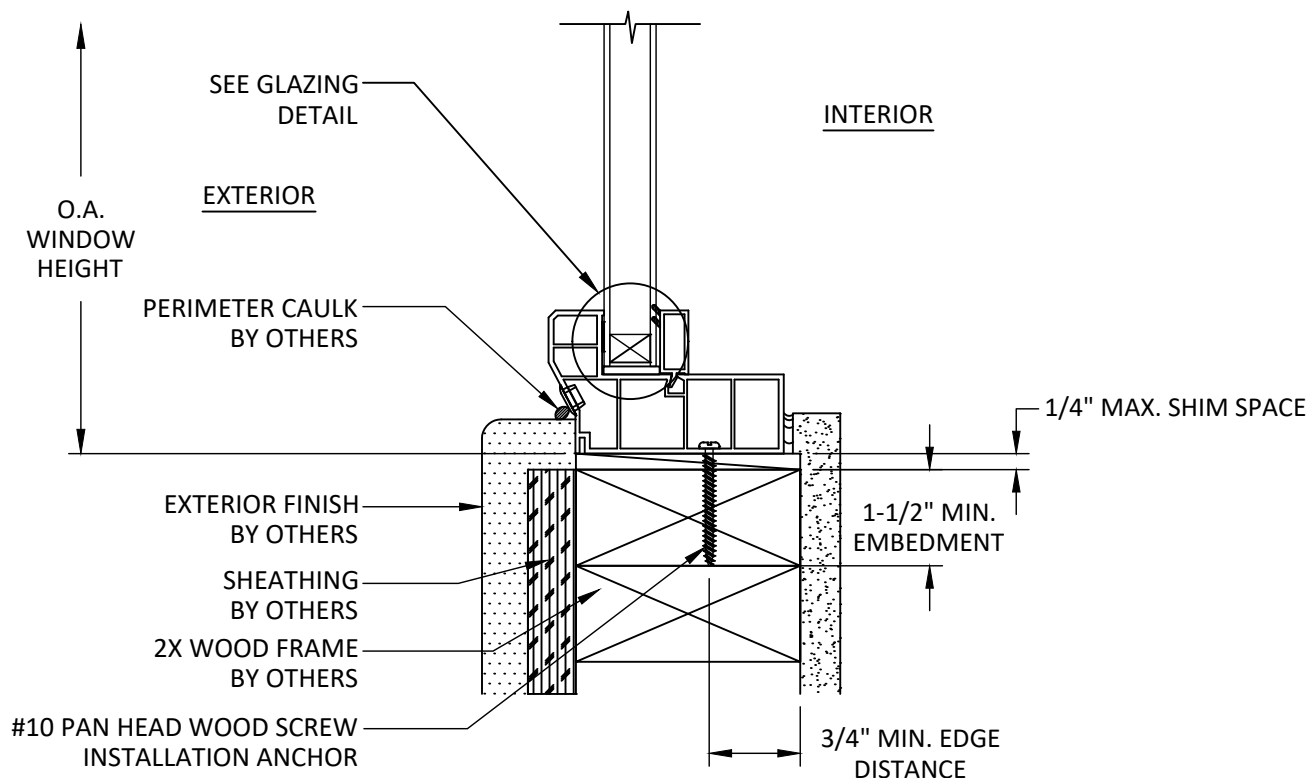
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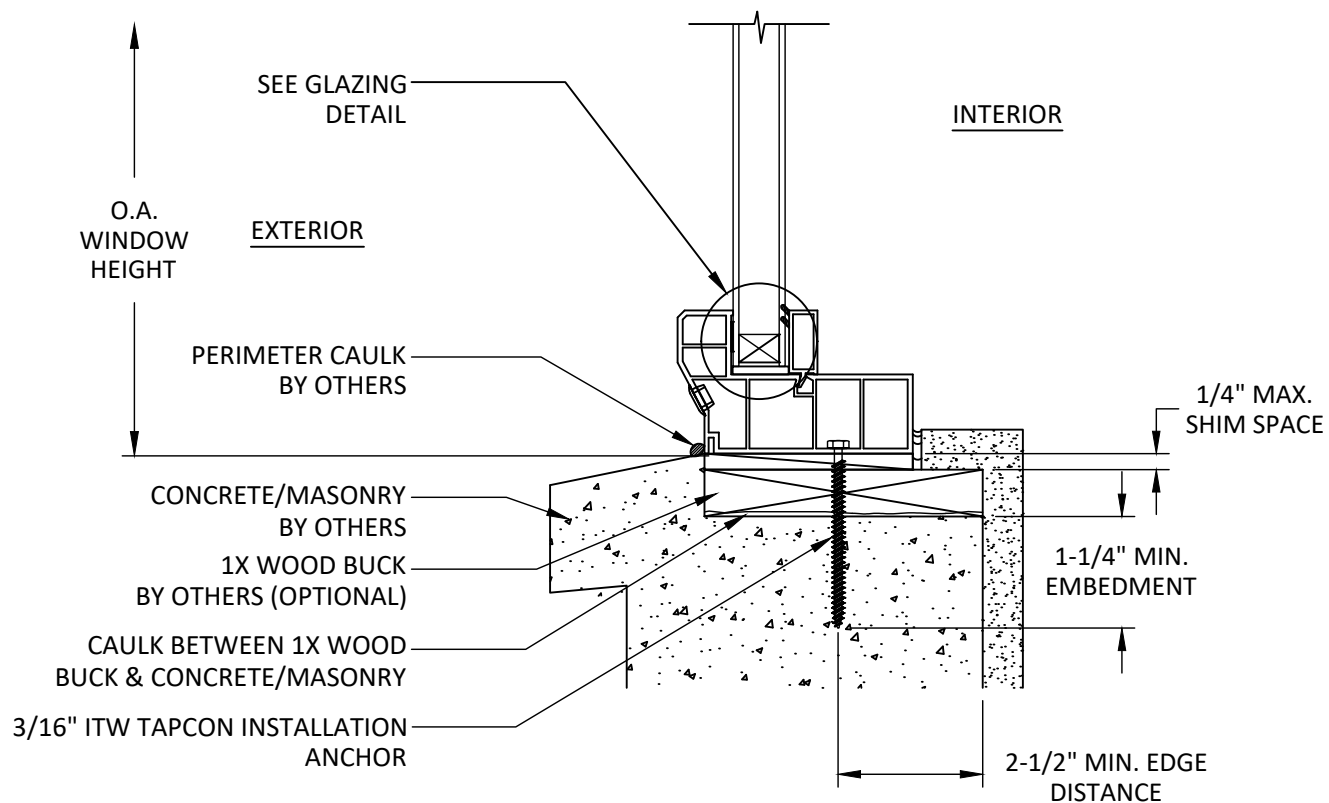
B
3 **VERTICAL SECTION**
2X WOOD FRAME - HEAD



D
3 **VERTICAL SECTION**
CONCRETE/MASONRY - HEAD

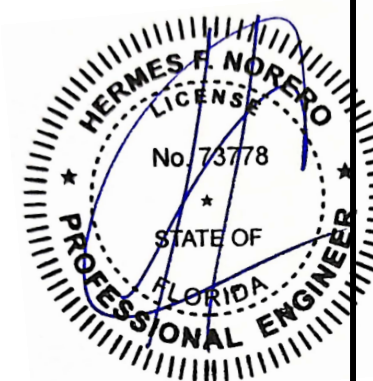


A
3 **VERTICAL SECTION**
2X WOOD FRAME - SILL



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

TITLE: 8300/8700/1300/1600/3201/3500/40/80/3000/6000 PICTURE WINDOW VERTICAL SECTIONS	DATE	BY	REVISION DESCRIPTION	NO.
	10.03.17	DWN BY: AR/AG	FBC 5TH ED. CODE CHANGE	B
		CHK BY: HFN	FBC 2017 CODE CHANGE	C
		SCALE: NTS	7TH EDITION 2020 FBC	D
			UPDATED TO CURRENT FBC	E



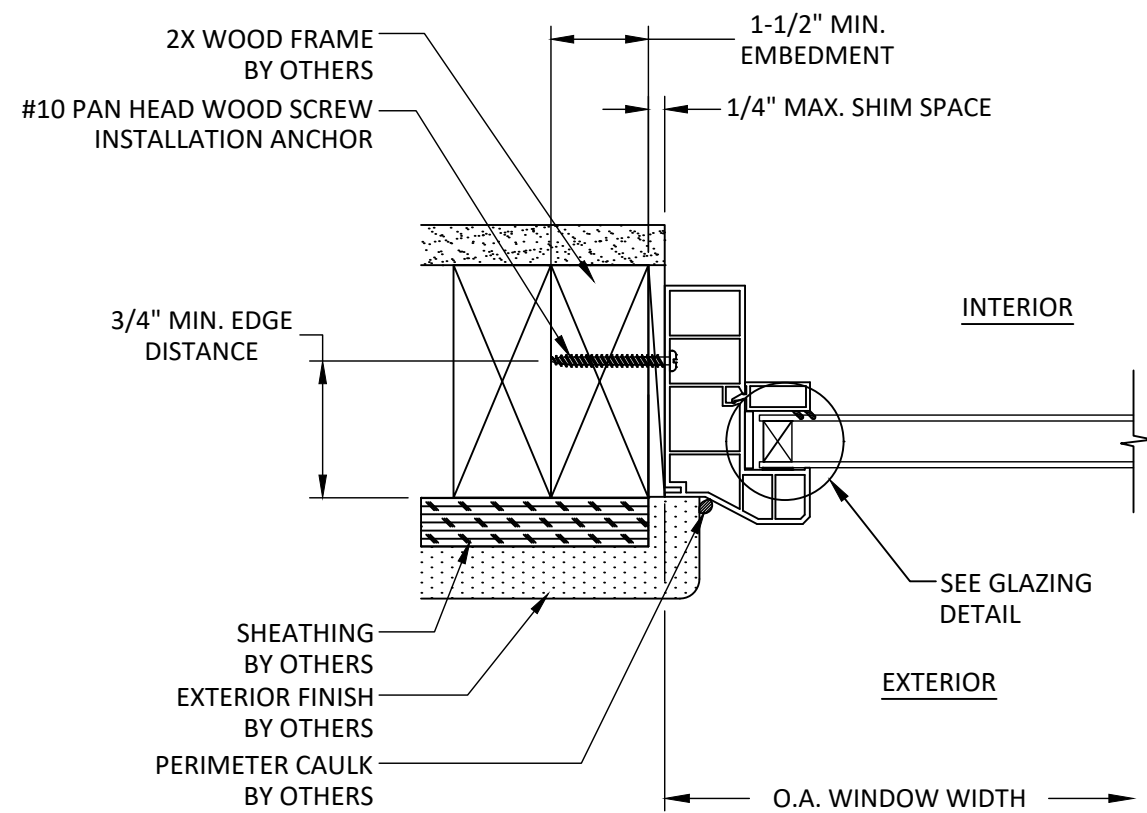
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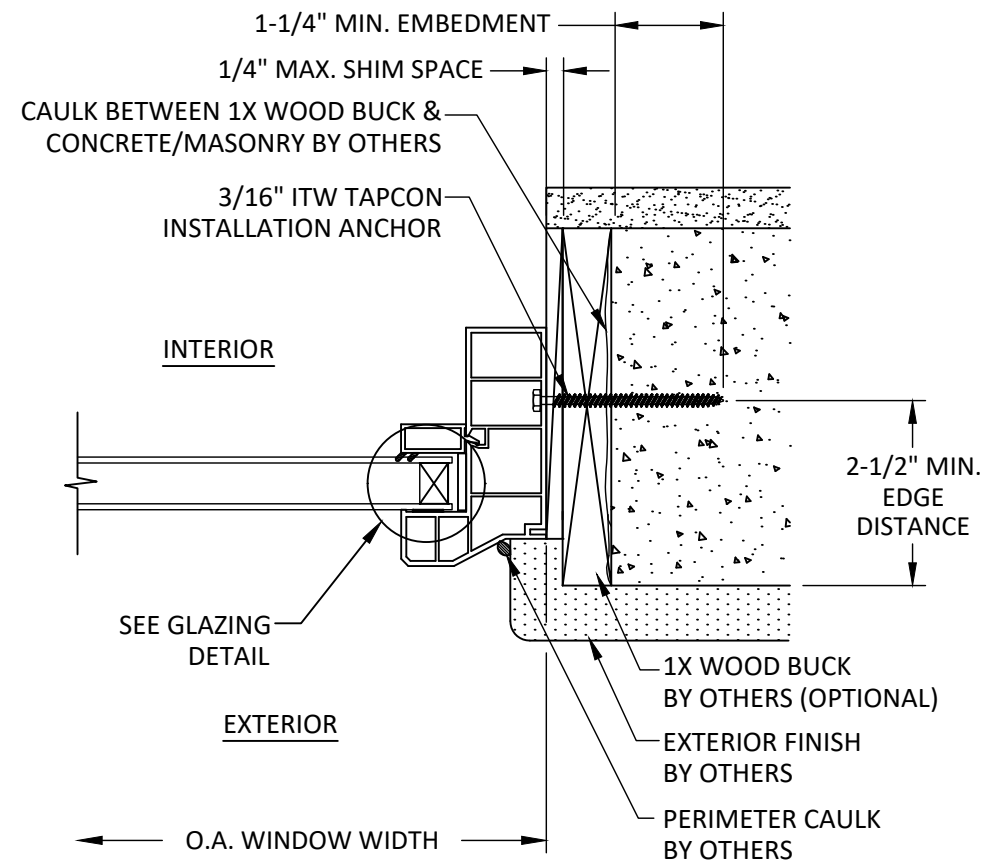
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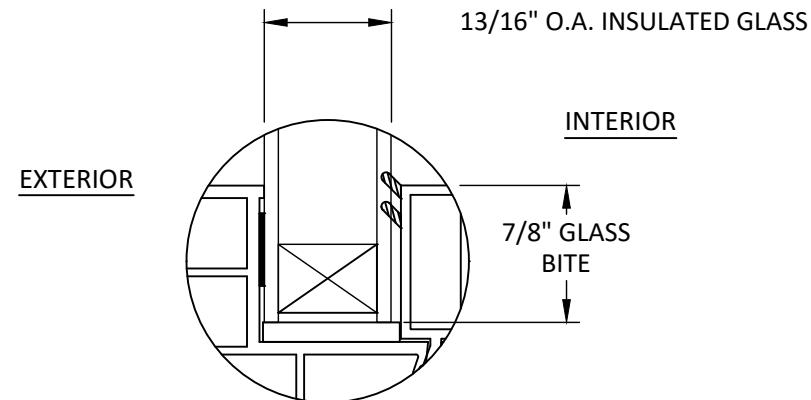
SHEET: **3 OF 4**



E
4 **HORIZONTAL SECTION**
2X WOOD FRAME - JAMB



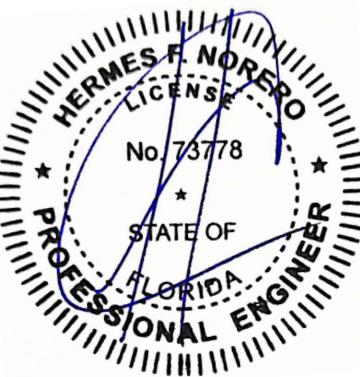
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4 **HORIZONTAL SECTION**
CONCRETE/MASONRY - JAMB



GLAZING DETAIL

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

TITLE: 8300/8700/1300/1600/3201/3500/40780/3000/6000 PICTURE WINDOW HORIZONTAL SECTION AND GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION	NO.
	10.03.17	DWN BY: AR/AG	FBC 5TH ED. CODE CHANGE	B
		CHK BY: HFN	FBC 2017 CODE CHANGE	C
		SCALE: NTS	7TH EDITION 2020 FBC	D
			UPDATED TO CURRENT FBC	E



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SHEET: **4 OF 4**