

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS 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 OF THE MAXIMUM SIZE LISTED.
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. **THROUGH FRAME:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME:** 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.
7. **THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. **THROUGH FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **THROUGH FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 GR. 5 SELF TAPPING SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. 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.
13. 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.
14. 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. 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.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16" (0.0625").

ATRIUM COMPANIES, INC.

SERIES 120/130
HORIZONTAL SLIDER
(NON-HVHZ)(NON-IMPACT)

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
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 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 4 FOR GLAZING DETAIL.
8. ALL SILL PENETRATIONS (WHETHER OR NOT FILLED WITH AN INSTALLATION ANCHOR) ARE TO BE OVER SEALED WITH AN APPROPRIATE SILICONE SEALANT.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

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1	GENERAL & INSTALLATION NOTES
2	ELEVATIONS
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5	HORIZONTAL SECTIONS

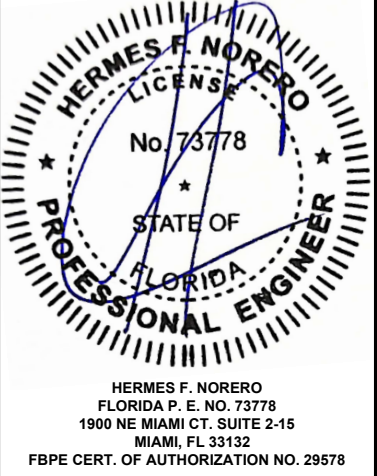
MAX O.A. SIZE		CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
74"	50"	XO	+/- 50 PSF	NON-IMPACT
74"	63"	XO	+/- 35 PSF	NON-IMPACT
108"	50"	XOX	+/- 50 PSF	NON-IMPACT
108"	63"	XOX	+/- 30 PSF	NON-IMPACT



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TITLE: 130 HORIZONTAL SLIDER (NON-IMPACT) INSTALLATION & GENERAL NOTES	DATE	BY	REVISION DESCRIPTION		NO.	DATE
	06.03.14	SM	74" X 63" DP REVISION		B	
	10.03.17	SM	FBC 2017 CODE CHANGE		C	
	08.13.20	AG	2020 FBC CODE CHANGE		D	
	12.02.24	LMH	UPDATED TO CURRENT FBC.		E	
DATE: 01.02.20	DWN BY: YC	CHK BY: HFN	SCALE: NTS			

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.12.23 11:54:43 -05'00'



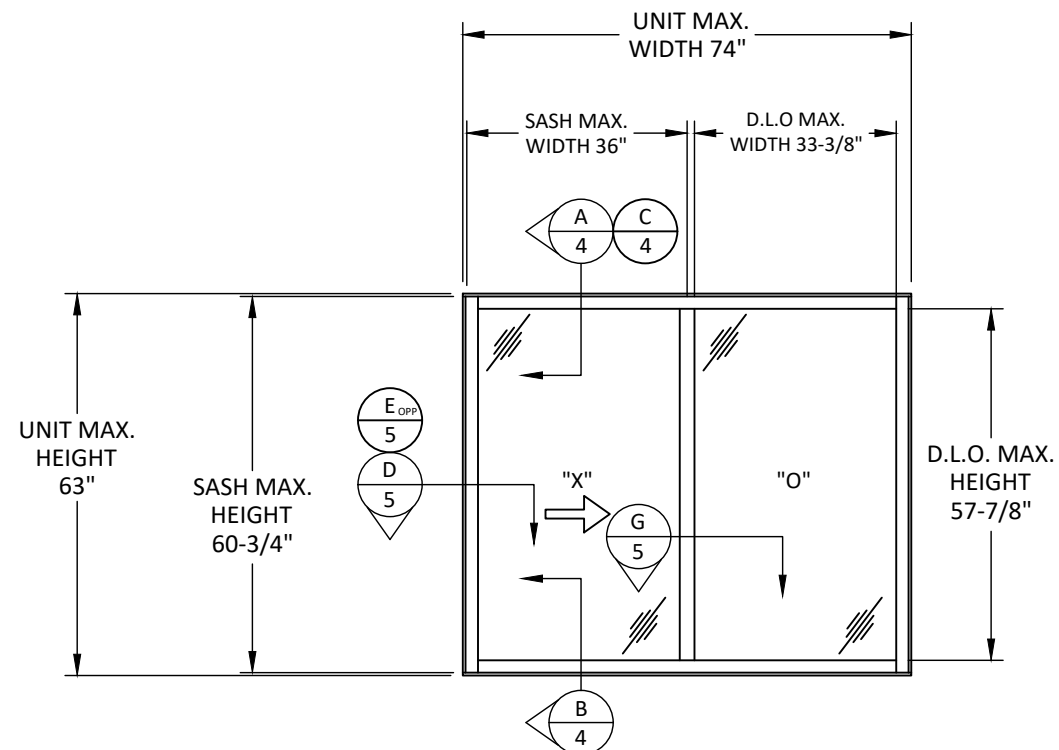
HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
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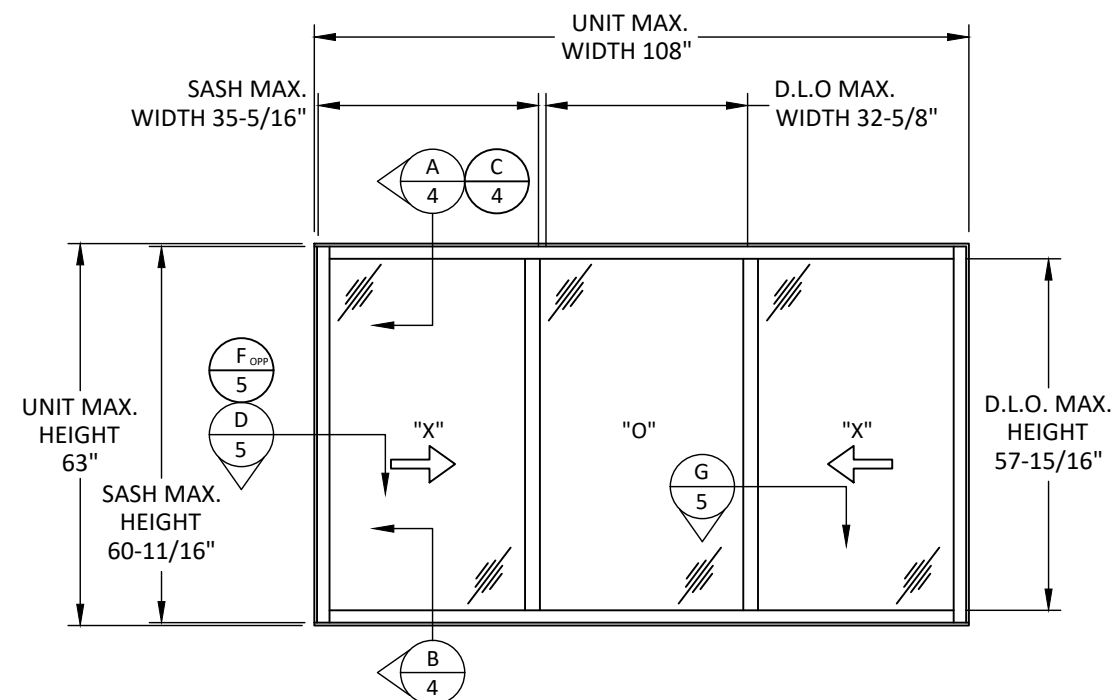
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DWG#: ATR116

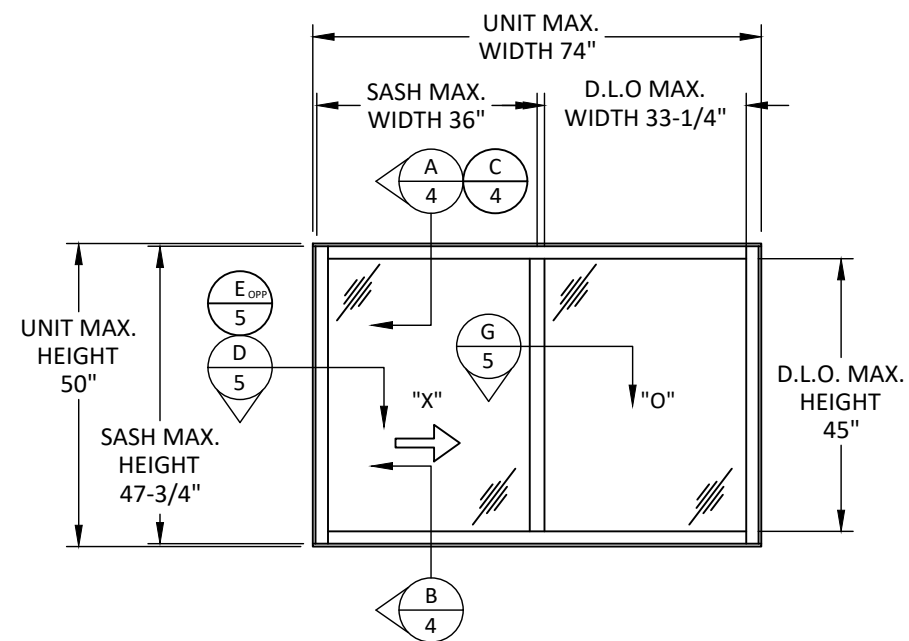
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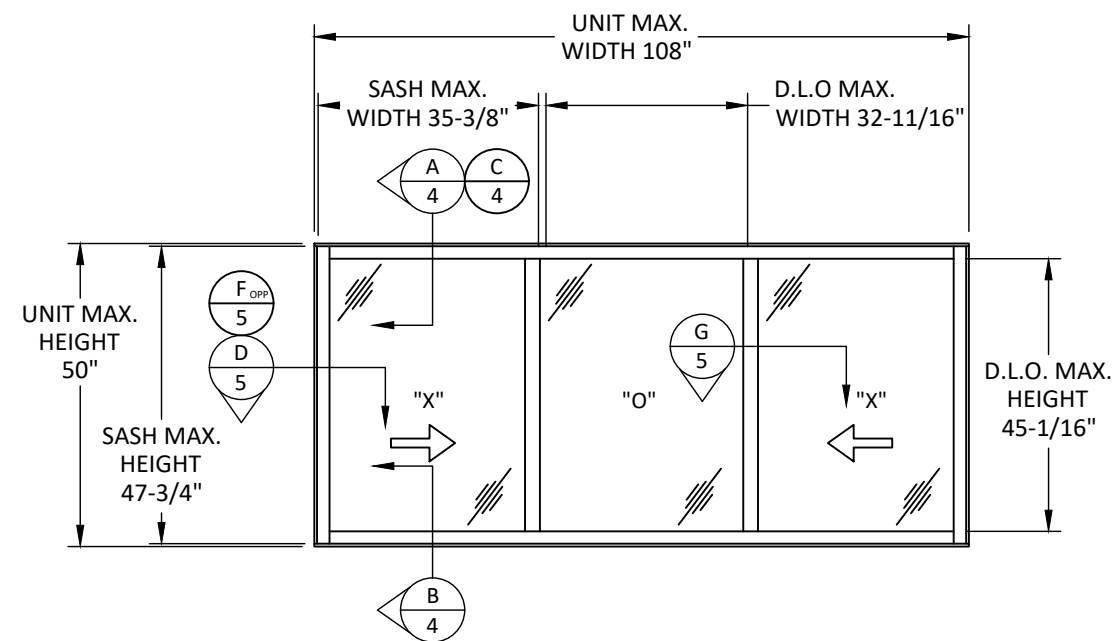
TYPICAL ELEVATION
XO CONFIGURATION



TYPICAL ELEVATION
XOX CONFIGURATION

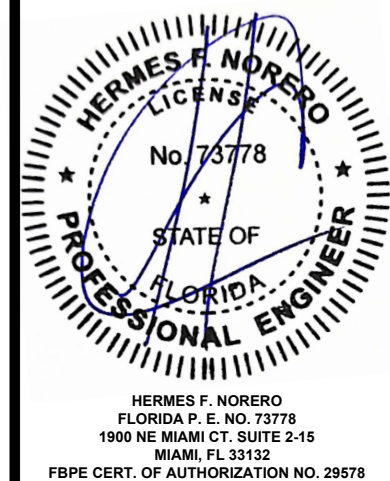


TYPICAL ELEVATION
XO CONFIGURATION



TYPICAL ELEVATION
XOX CONFIGURATION

TITLE:	130 HORIZONTAL SLIDER (NON-IMPACT) ELEVATIONS				
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	B	74" X 63" DP REVISION	SM	06.03.14	
	C	FBC 2017 CODE CHANGE	SM	10.03.17	
DATE:	01.02.20	DWN BY:	YC	CHK BY:	HFN
		SCALE:	NTS		

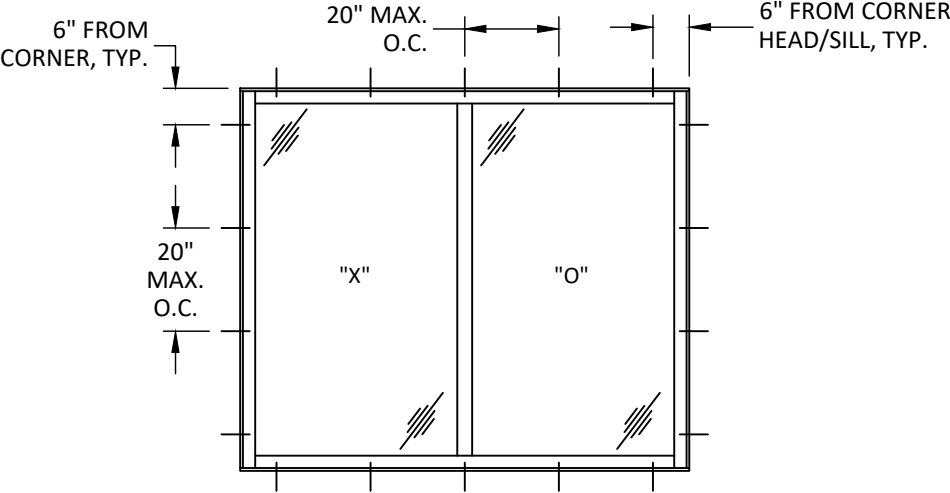


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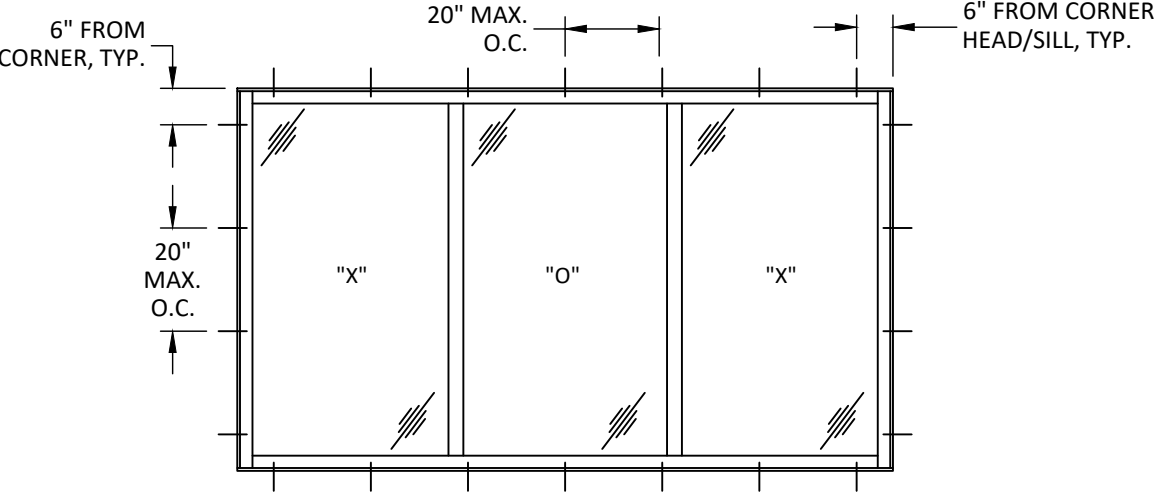
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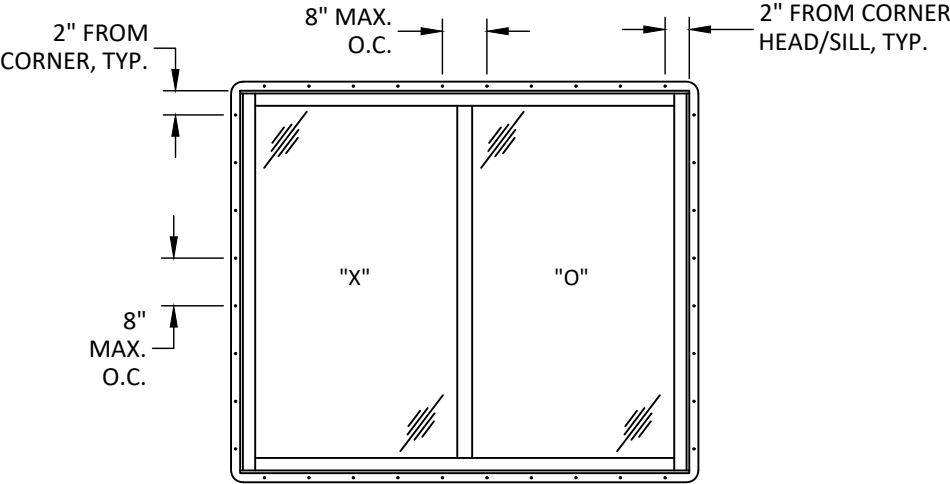
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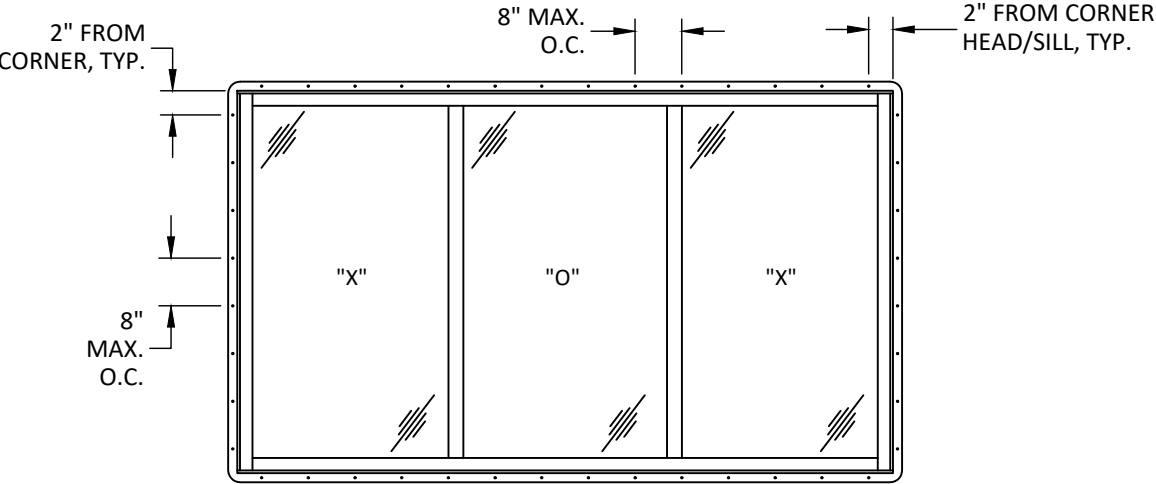
ANCHOR LAYOUT
XO CONFIGURATION - THROUGH FRAME



ANCHOR LAYOUT
XOX CONFIGURATION - THROUGH FRAME



ANCHOR LAYOUT
XO CONFIGURATION - THROUGH FIN



ANCHOR LAYOUT
XOX CONFIGURATION - THROUGH FIN



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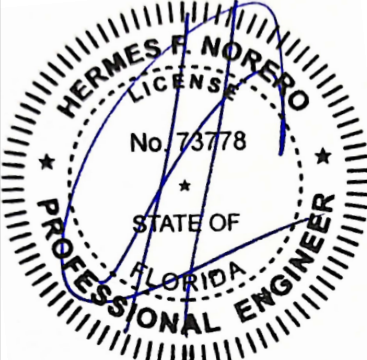
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		HFN	FBC 2017 CODE CHANGE	C
			2020 FBC CODE CHANGE	D
			UPDATED TO CURRENT FBC.	E

DATE: 01.02.20

DWN BY: YC

CHK BY: HFN

SCALE: NTS



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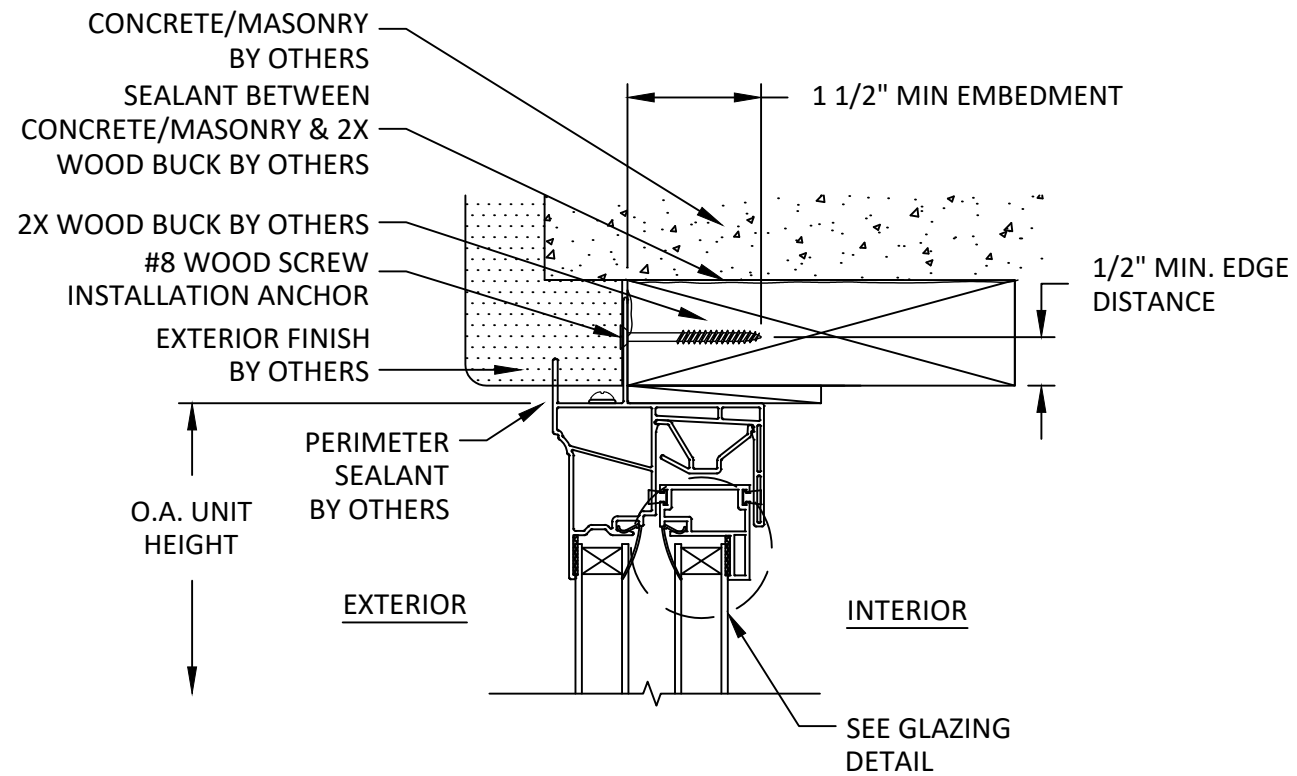


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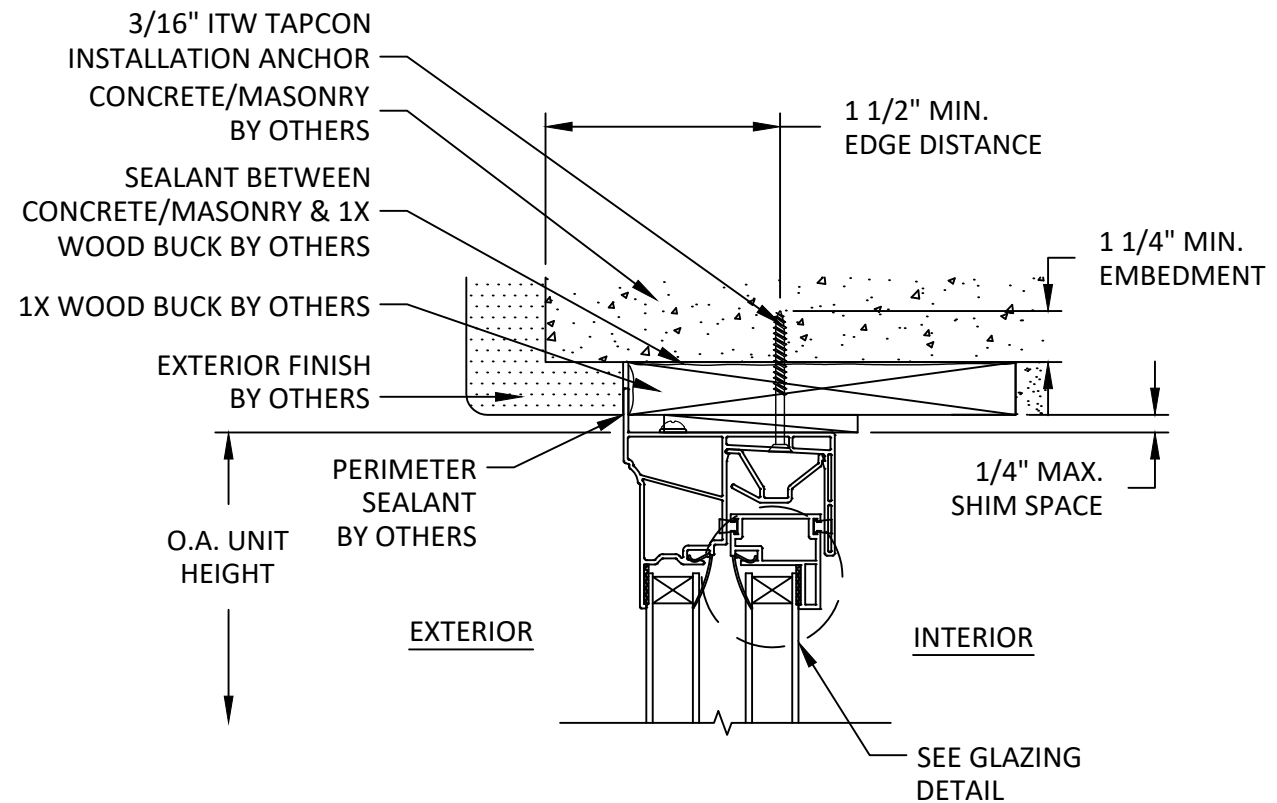
FL#: 20472

DWG#: ATR116

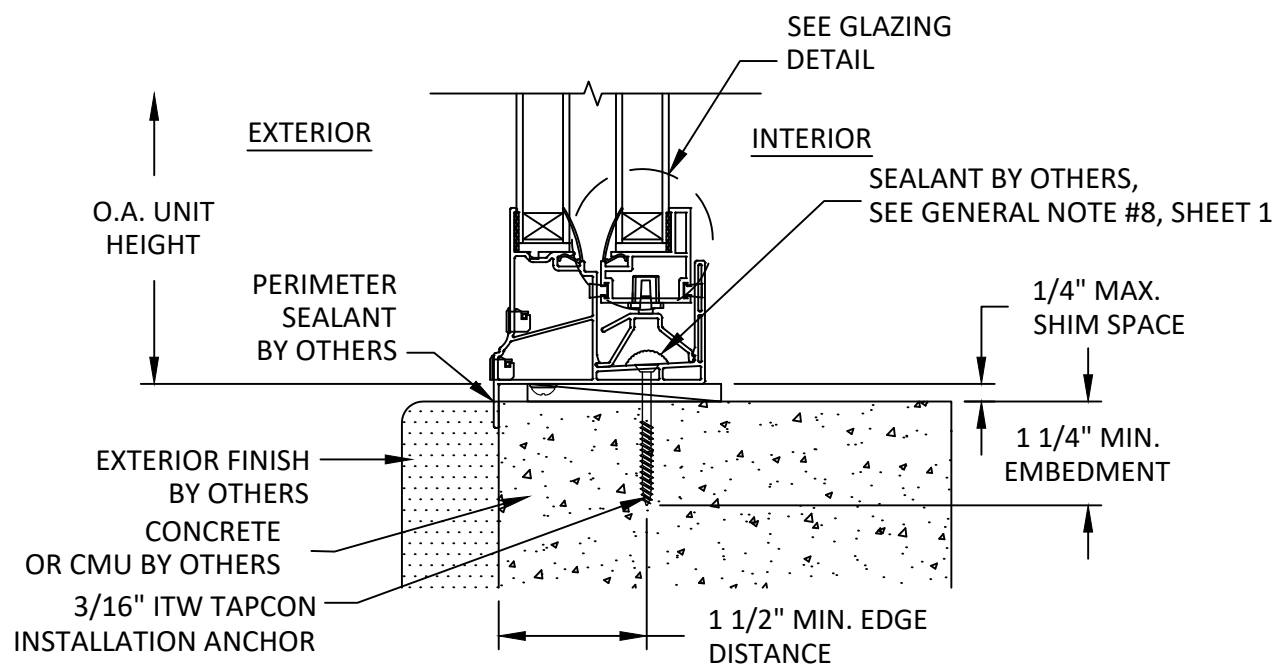
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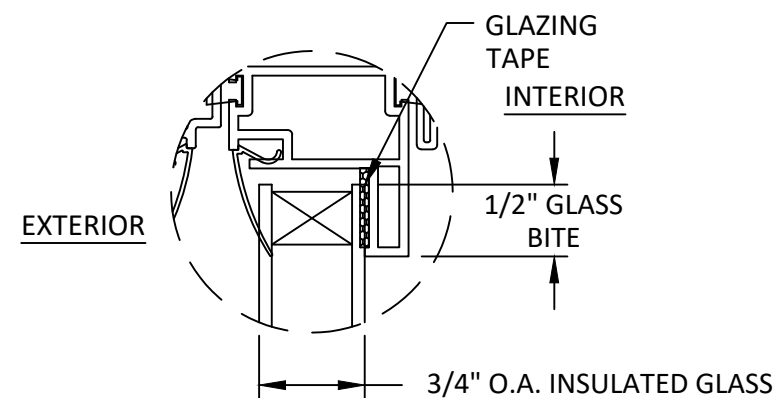
A
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FLANGE



C
4 **VERTICAL SECTION**
HEAD - 1X BUCK/CONCRETE/MASONRY
THROUGH FRAME



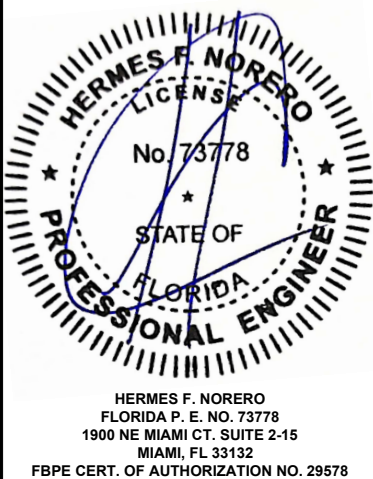
B
4 **VERTICAL SECTION**
SILL - MASONRY/ CONCRETE
THROUGH FRAME



GLAZING DETAIL

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

TITLE: 130 HORIZONTAL SLIDER (NON-IMPACT) VERTICAL SECTIONS AND GLAZING DETAIL	DATE	06.03.14
	BY	SM
	REVISION DESCRIPTION	74" X 63" DP REVISION
	NO.	B
	DATE	10.03.17
DATE: 01.02.20	BY	SM
	REVISION DESCRIPTION	FBC 2017 CODE CHANGE
	NO.	C
	DATE	08.13.20
	BY	AG
DWN BY: YC	REVISION DESCRIPTION	2020 FBC CODE CHANGE
	NO.	D
	DATE	12.02.24
	BY	LMH
	REVISION DESCRIPTION	UPDATED TO CURRENT FBC.
CHK BY: HFN	DATE	
	BY	
	REVISION DESCRIPTION	
	NO.	
	DATE	
SCALE: NTS	REVISION DESCRIPTION	
	NO.	
	DATE	
	BY	
	REVISION DESCRIPTION	



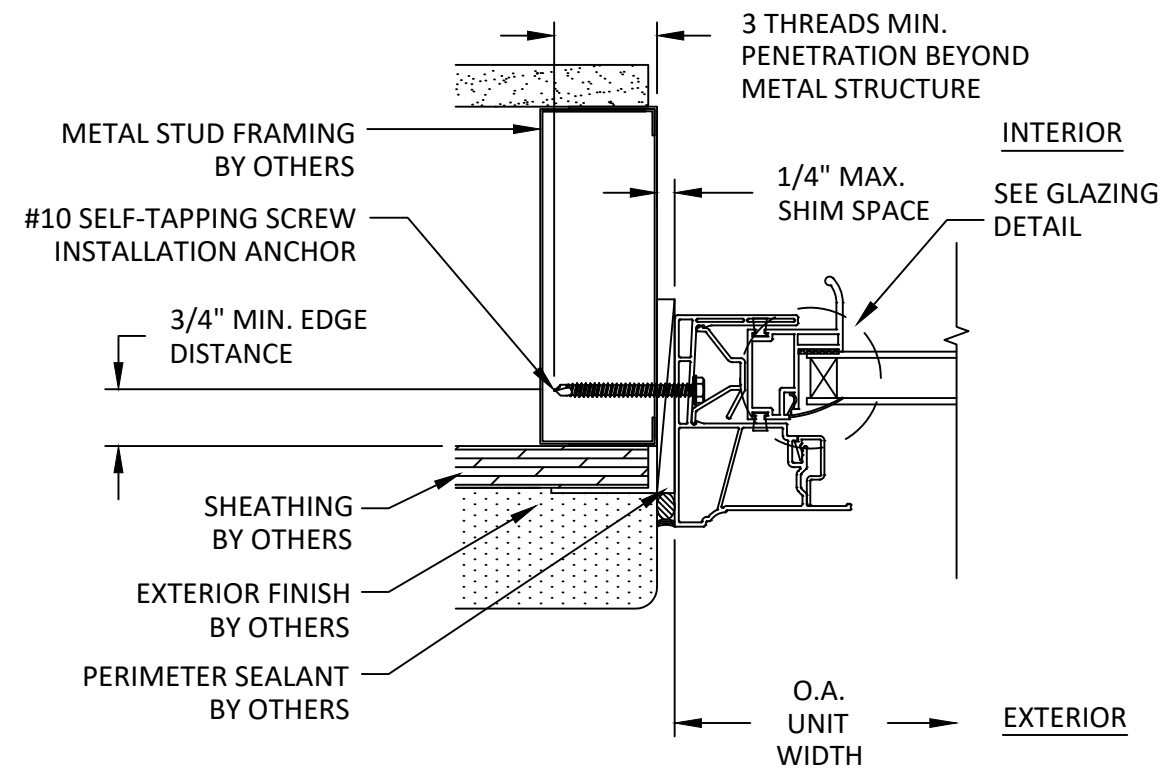
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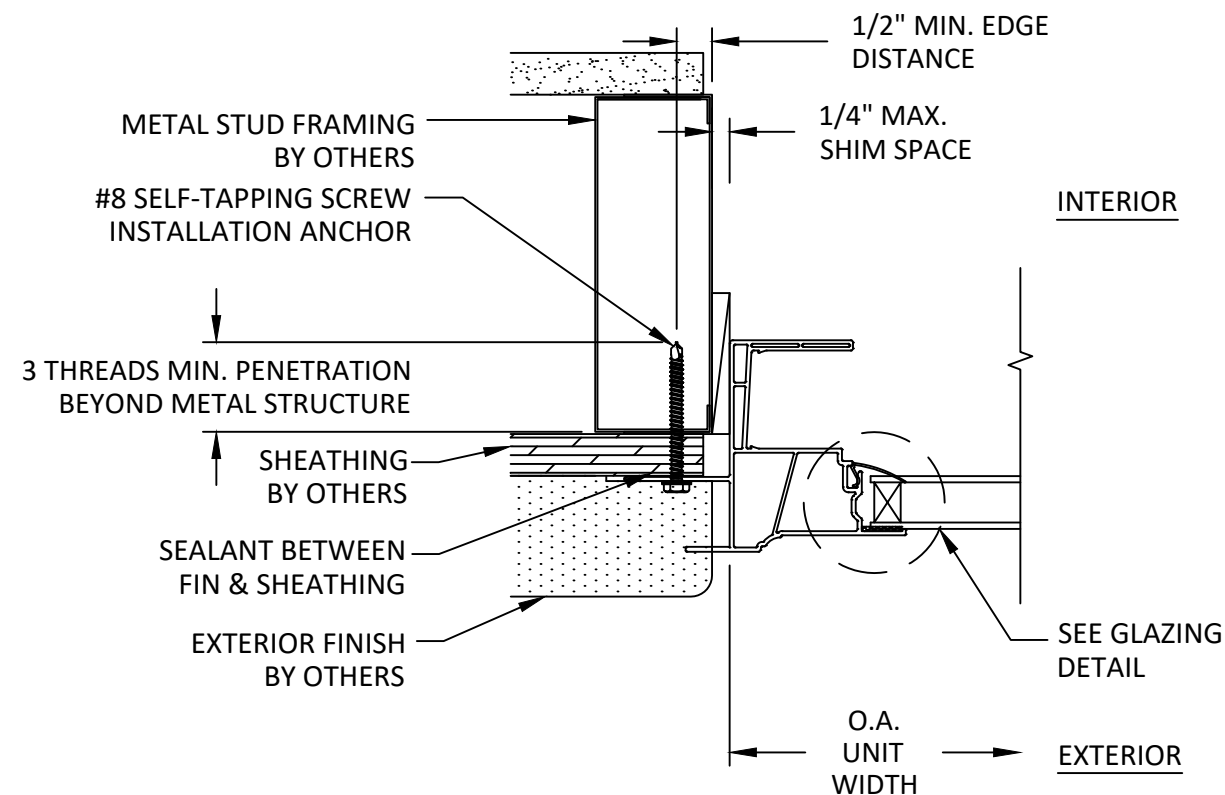
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DWG#: **ATR116**

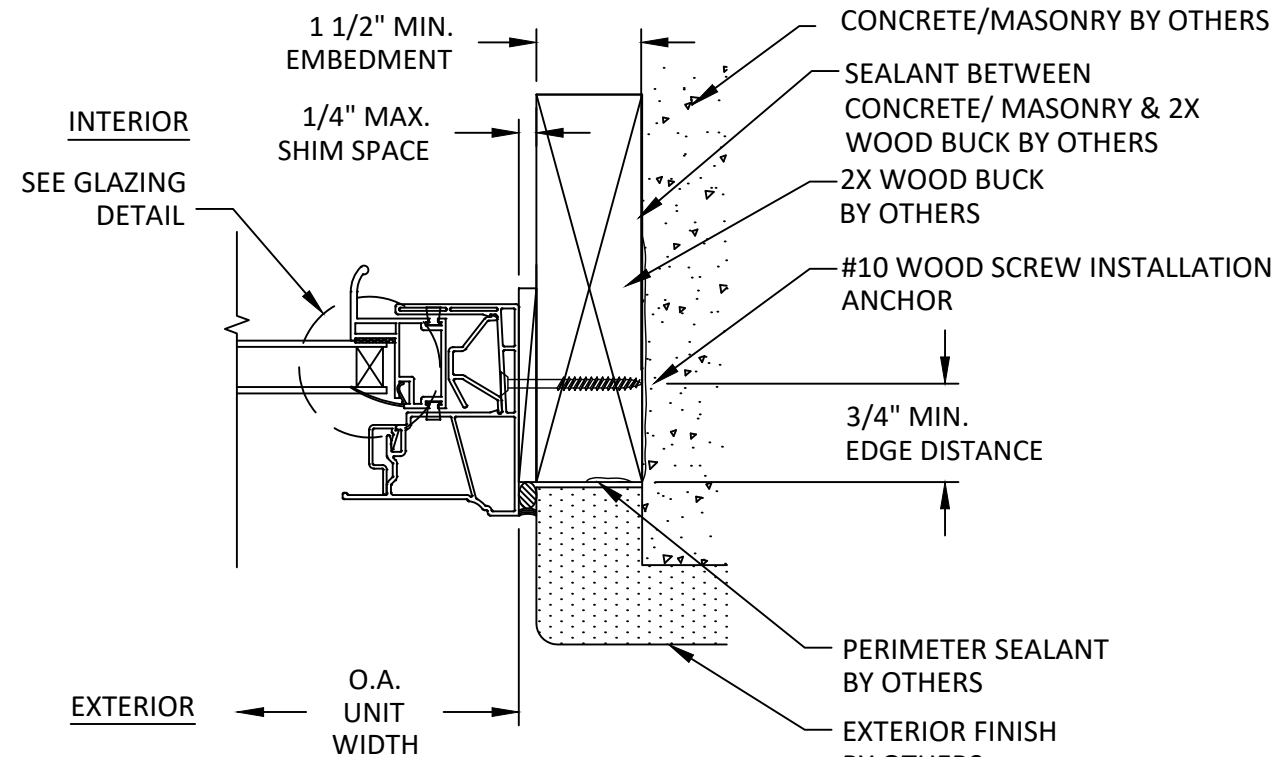
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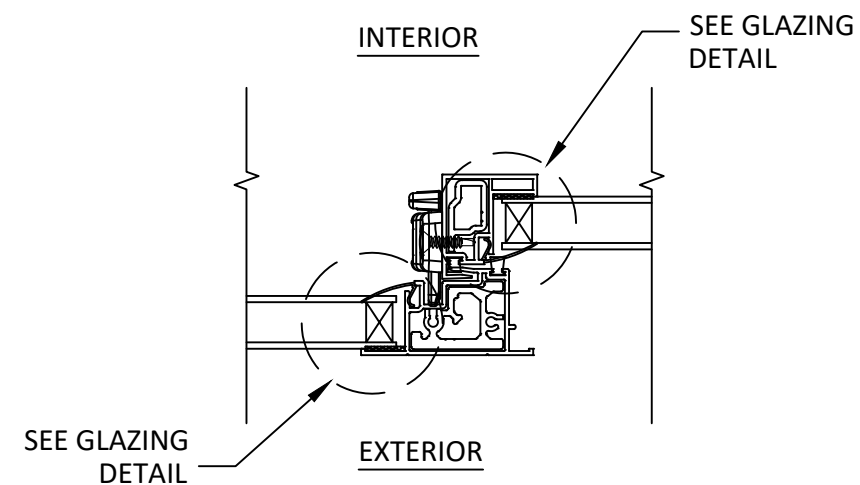
D5 **HORIZONTAL SECTION**
OPERABLE JAMB - METAL STUD FRAME
THROUGH FRAME



E5 **HORIZONTAL SECTION**
FIXED JAMB - METAL STUD FRAME
THROUGH FLANGE

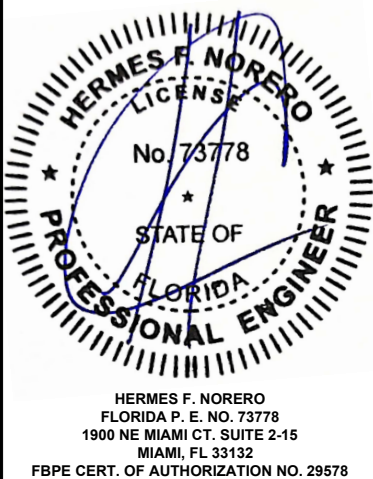


F5 **HORIZONTAL SECTION**
OPERABLE JAMB - 2X WOOD BUCK
THROUGH FRAME



G5 **HORIZONTAL SECTION**
MEETING STILE

TITLE: 130 HORIZONTAL SLIDER (NON-IMPACT) HORIZONTAL SECTION	DATE	06.03.14
	BY	SM
	REVISION DESCRIPTION	74" X 63" DP REVISION
	NO.	B
	DATE	10.03.17
DATE: 01.02.20	BY	SM
	REVISION DESCRIPTION	FBC 2017 CODE CHANGE
	NO.	C
	DATE	08.13.20
	BY	AG
DWN BY: YC	REVISION DESCRIPTION	2020 FBC CODE CHANGE
	NO.	D
	DATE	12.02.24
	BY	LMH
	REVISION DESCRIPTION	UPDATED TO CURRENT FBC.
CHK BY: HFN	NO.	E
	DATE	
	REVISION DESCRIPTION	
	NO.	
	DATE	
SCALE: NTS	NO.	
	DATE	
	REVISION DESCRIPTION	
	NO.	
	DATE	



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SHEET: **5 of 5**