

ATRIUM CORPORATION

SERIES 8100/1100/1000/10/3100 VINYL FIXED WINDOW (NON-IMPACT)

GENERAL NOTES:

1. THIS PRODUCT ANCHORING DRAWING HAS BEEN DEVELOPED IN COMPLIANCE WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) EXCLUDING THE "HIGH VELOCITY HUNICANE ZONE". SEE THE CERTIFICATION AGENCY CERTIFICATE FOR SIZES, SPECIFICATIONS AND RATINGS.
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING, STUCCO, FOAM, BRICK AND OTHER WALL COVERINGS.
3. WOOD SCREWS SHALL BE INSTALLED FOLLOWING INSTALLATION INSTRUCTIONS OF THE CURRENT ANSI/AF&PA. ALL OTHER FASTENER TYPES TO BE INSTALLED FOLLOWING FASTENER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. FASTENER EMBEDMENT DEPTHS, EDGE DISTANCES AND CENTER-CENTER DISTANCES SHALL BE AS SPECIFIED BY THE FASTENER MANUFACTURER BUT IN NO INSTANCE SHALL THEY BE LESS THAN SHOWN IN THIS DRAWING.
5. WHERE SHIMS ARE USED, THEY MUST BE A "RIGID/STIFF" MATERIAL THAT COMPLIES WITH THE REQUIREMENTS OF THE FBC.
6. POSITIVE AND NEGATIVE DESIGN PRESSURE REQUIREMENTS FOR USE WITH THIS DRAWING SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN ACCORDANCE WITH THE GOVERNING CODE.
7. SITE CONDITIONS NOT COVERED BY THIS DRAWING ARE SUBJECT TO FURTHER ENGINEERING ANALYSIS.

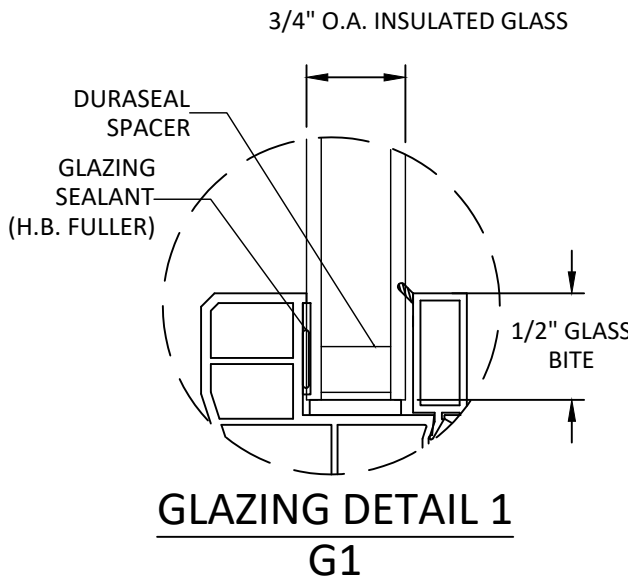


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MAX.O.A. FRAME DIMENSION	GLAZING	DESIGN PRESSURE (PSF)	
		MAXIMUM	MINIMUM
48" X 84"	G1	+50 PSF	-50 PSF
72" X 72"	G1	+50 PSF	-50 PSF

NOTE: WIDTH AND HEIGHT ARE INTERCHANGEABLE FOR SINGLE UNIT



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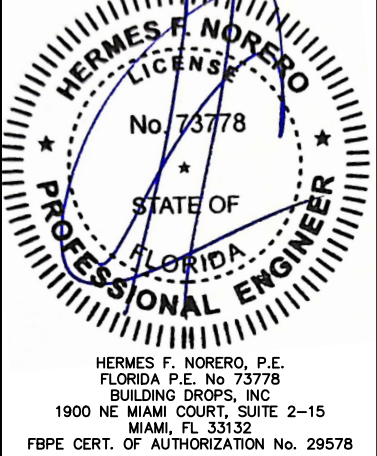
300 Welcom Center Blvd

Welcome NC 27374

PH: (800)-542-9118

TITLE: 8100/1100/1000/10/3100 FIXED VINYL WINDOW INSTALLATION & GENERAL NOTES	DATE	10.03.17
	BY	AG
	REVISION DESCRIPTION	FBC 2017 CODE CHANGE
	NO.	A
	DATE	10.03.17
DATE: 10.03.17	DWN BY:	AR/AG
	CHK BY:	HFN
	SCALE:	NTS
	NO.	B
	DATE	05.19.21
DATE: 10.03.17	DWN BY:	AR/AG
	CHK BY:	HFN
	SCALE:	NTS
	NO.	C
	DATE	08.13.24

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.08.27 14:56:06 -04'00'

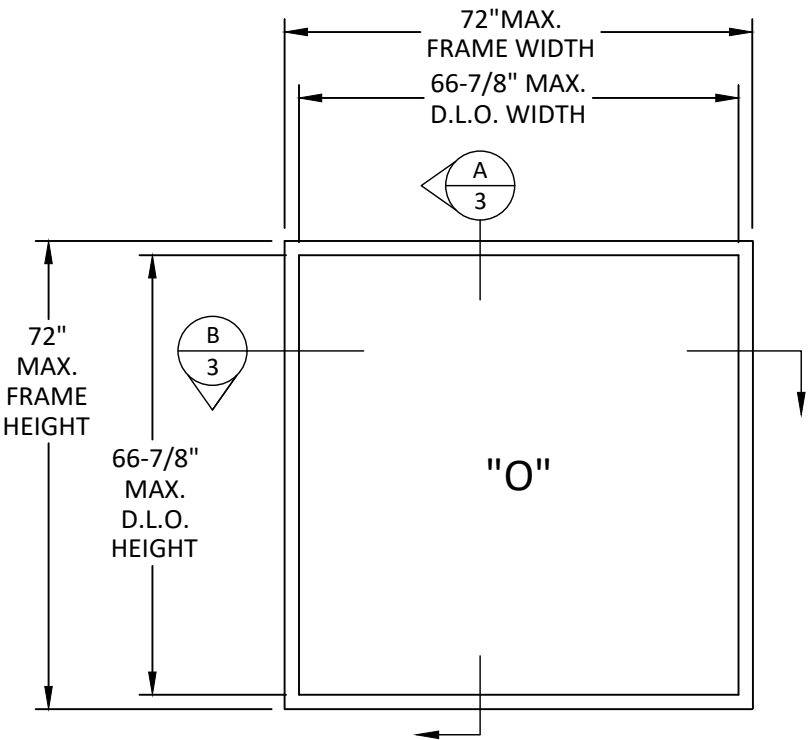


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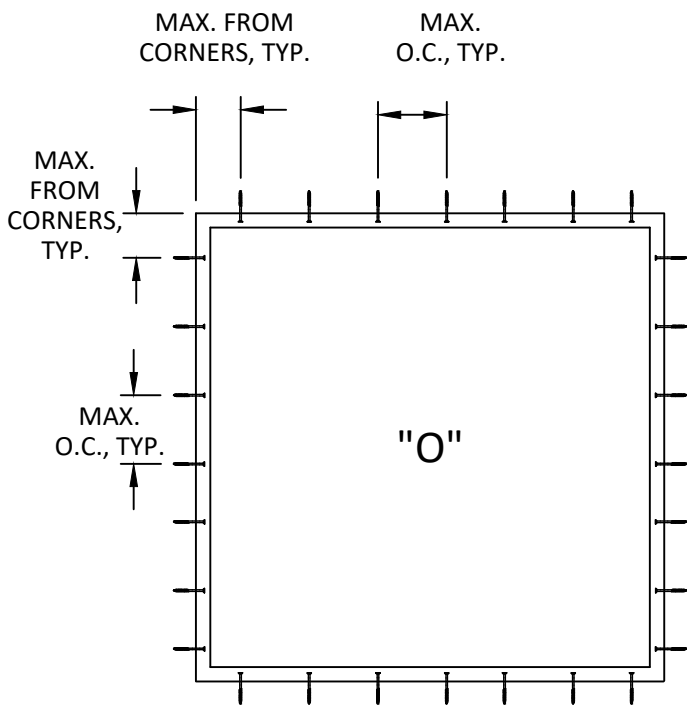
DWG #: ATR105

SHEET: 1 OF 4



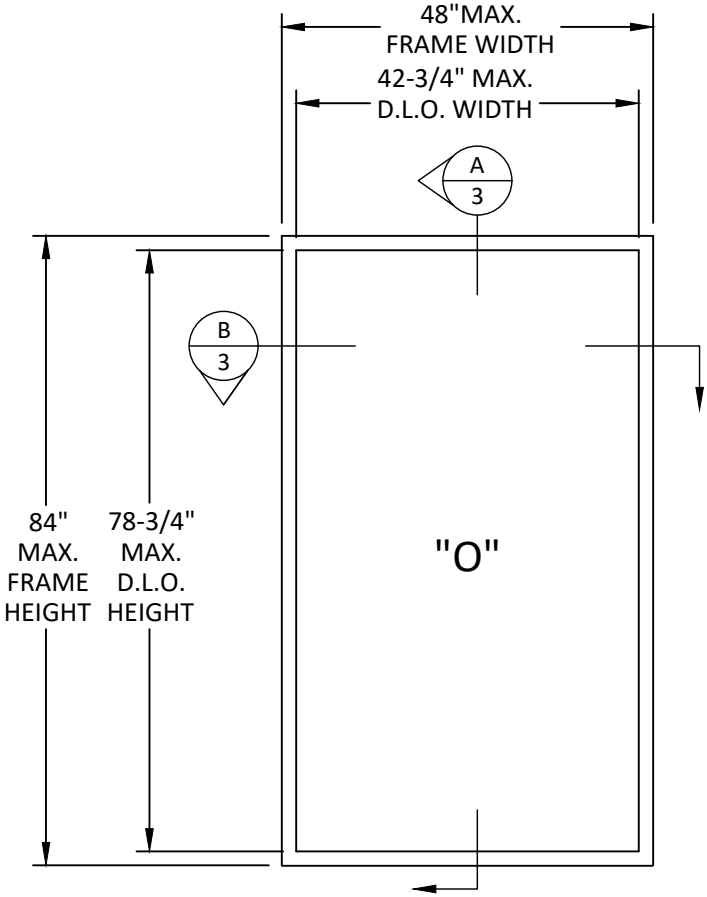
ELEVATION

NOTE :
HEIGHT AND WIDTH ARE INTERCHANGEABLE

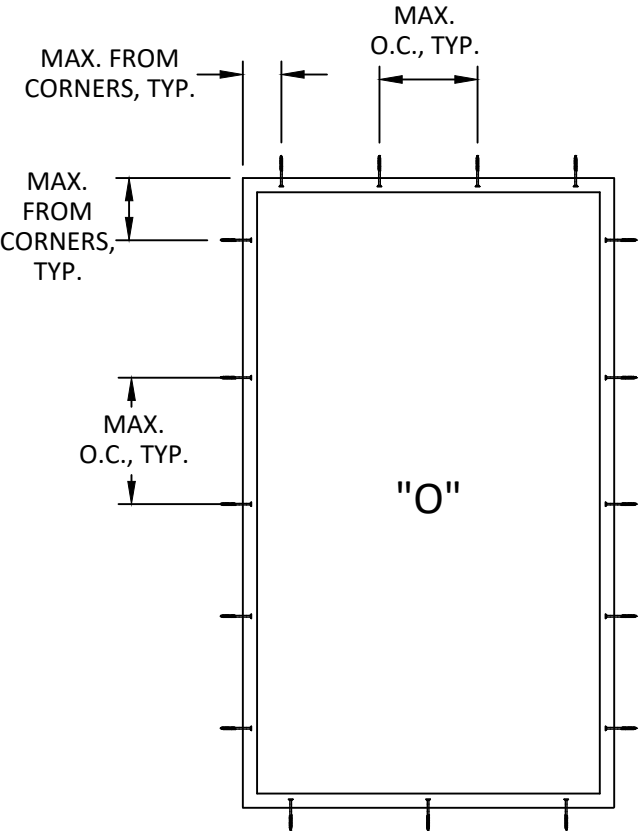


ANCHOR LAYOUT

NOTE :
FOR MORE ANCHOR INFORMATION
(INSTALLATION TYPE, SPACING, QUANTITY,
TYPE, QUALIFIED SUBSTRATES) SEE SHEET 4



ELEVATION



ANCHOR LAYOUT



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TITLE: 8100/1100/1000/10/3100 FIXED VINYL WINDOW

ELEVATION AND ANCHOR LAYOUTS

NO.	REVISION DESCRIPTION	BY	DATE
A	FBC 2017 CODE CHANGE	AG	10.03.17
B	UPDATED TO FBC 7TH EDITION (2020) CODE	LMH	05.19.21
C	UPDATED TO CURRENT FBC	KKB	08.13.24

DATE:
10.03.17

DWN BY:
AR/AG

CHK BY:
HFN

SCALE:
NTS



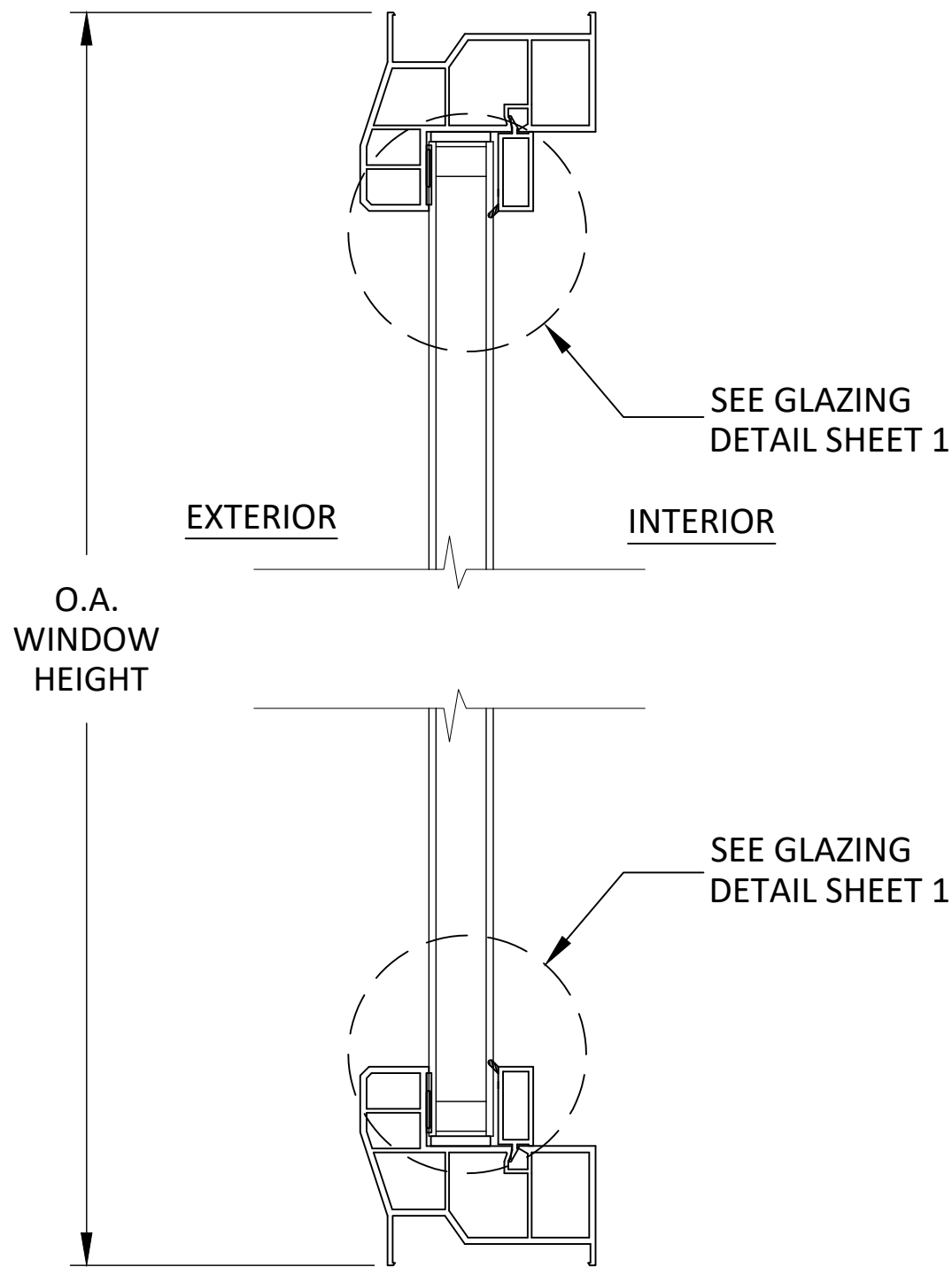
HERMES F. NORERO, P.E.
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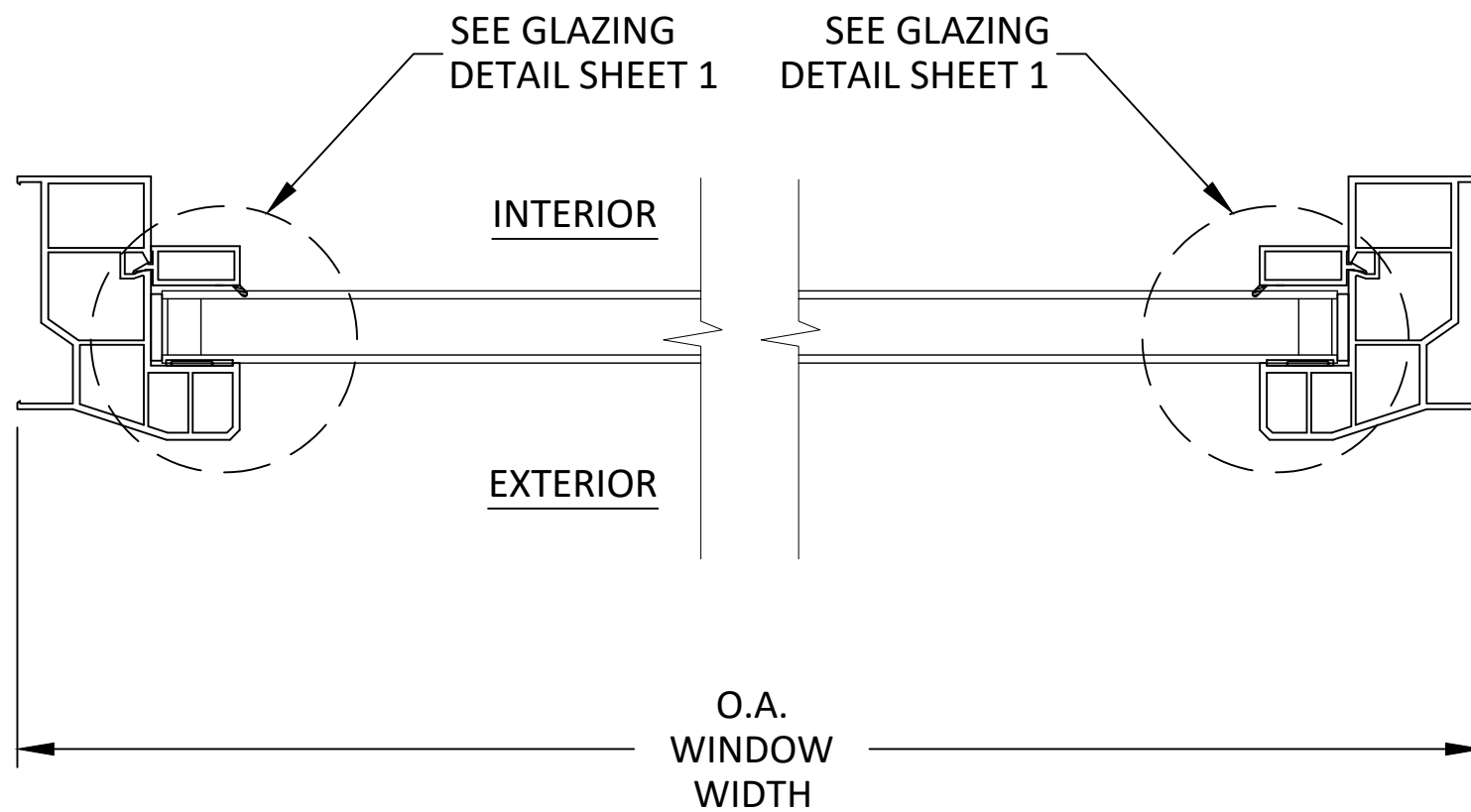
FL #: 11623

DWG #: ATR105

SHEET: 2 OF 4

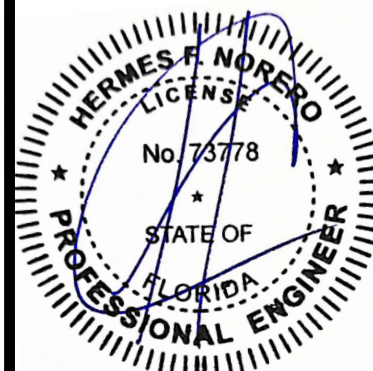


A
3 VERTICAL SECTION



B
3 HORIZONTAL SECTION

TITLE: 8100/1100/1000/10/3100 FIXED VINYL WINDOW VERTICAL AND HORIZONTAL SECTIONS	DATE	10.03.17
	DWN BY:	AR/AG
	CHK BY:	HFN
	SCALE:	NTS
	NO.	A
REVISION DESCRIPTION	BY	AG
	DATE	10.03.17
	LMH	05.19.21
	KKB	08.13.24
FBC 2017 CODE CHANGE		
UPDATED TO FBC 7TH EDITION (2020) CODE		
UPDATED TO CURRENT FBC		



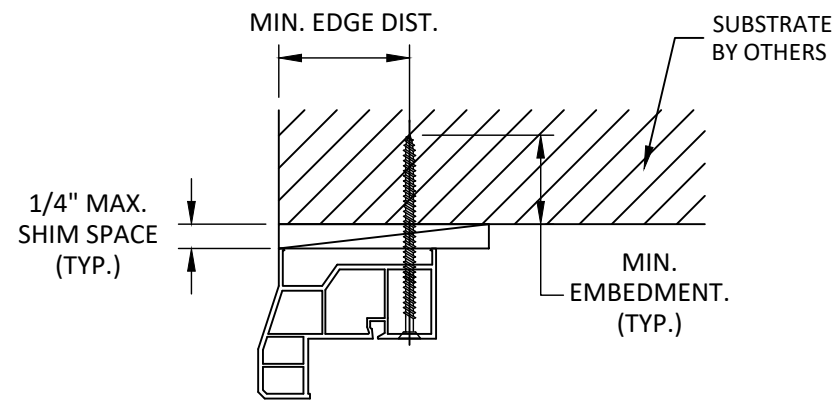
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SHEET: 3 OF 4



A
4 **ANCHOR DETAIL**
THROUGH FRAME

SILL & JAMB HAVE A SIMILAR DETAIL.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- 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.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE).
 - ALUMINUM - MINIMUM 6063-T5 ALLOY. MINIMUM WALL THICKNESS OF 1/8".

ANCHOR SCHEDULE								
INSTALLATION TYPE	ANCHOR QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	MAX. HEAD/SILL O.C. DISTANCE (IN.)	MAX. JAMB O.C. DISTANCE (IN.)	MAX. CORNER DISTANCE (IN.)
THRU FRAME	1	WOOD : MIN. SG=0.55	#10 WOOD SCREW	1.50	0.75	12.5	12.5	4
	1	METAL : 20 GAUGE STEEL, MIN. F _y =33KSI	#10 SELF DRILLING SMS	3 THREADS MIN. PENETRATION	0.5			
	1	METAL, MIN. 6063-T5 ALLOY, MIN. 1/8" THICK	#10 SELF DRILLING SMS	3 THREADS MIN. PENETRATION	0.5			
	1	CONCRETE : f' _c =3000PSI	1/4 ITW TAPCON	1	2.5			
	1	CMU : f' _c =2000PSI	1/4 ITW TAPCON	1	2.5			



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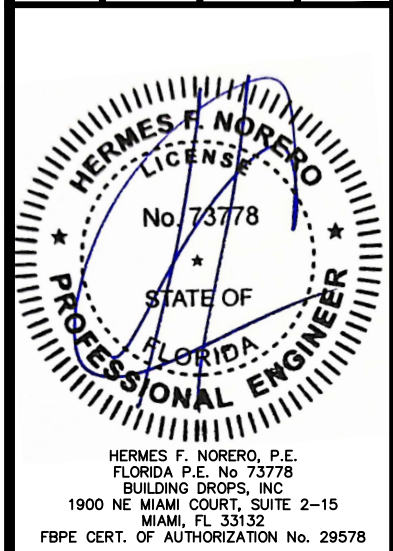
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DATE: 10.03.17	DWN BY: AR/AG	CHK BY: HFN	SCALE: NTS
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