

WINDSOR WINDOWS & DOORS

PINNACLE CLAD OUTSWING DOOR (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- 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 (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.
- REFER TO SHEETS 3-5 FOR INSTALLATION DETAILS, ANCHOR SELECTION, AND ANCHOR REQUIREMENTS.
- SEALANT SHALL BE USED BETWEEN NAIL FIN AND 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.
 - ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16" (0.0625").
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS
 - CONCRETE - MINIMUM F'c = 3000 PSI (FOR SILL ONLY)
 - GROUT FILLED CMU - STRENGTH CONFORMANCE TO ASTM C90. (FOR SILL ONLY)

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.1/A440-11
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE
- DOOR FRAME MATERIAL:
 - WOOD
 - ALUMINUM 6063-T5
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL
O: STATIONARY PANEL
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS

TABLE OF CONTENTS		
SHEET	REV	SHEET DESCRIPTION
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2	-	ELEVATIONS & ANCHOR LAYOUTS
3	-	VERTICAL SECTIONS
4	-	HORIZONTAL SECTIONS
5	-	HORIZONTAL SECTIONS (NARROW STILE)
6	-	GLAZING & MULLION DETAILS

DESIGN PRESSURE TABLE						
SERIES	TYP. OVERALL FRAME SIZE		TYP. OVERALL PANEL SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
	MAX FRAME WIDTH	MAX FRAME HEIGHT	MAX PANEL WIDTH	MAX PANEL HEIGHT		
PINNACLE CLAD OS DOOR BI-HINGE	75.00"	119 7⁄8"	36.00"	116 1⁄4"	+30/-30 PSF	NON - IMPACT
PINNACLE CLAD OS DOOR STA-ACT	75.00"	81 7⁄8"	36.00"	79 1⁄4"	+40/-40 PSF	
PINNACLE CLAD OS DOOR STA-ACT	75.00"	94 7⁄8"	36.00"	92 7⁄8"	+40/-40 PSF	
PINNACLE CLAD OS DOOR STA-ACT	76.00"	106 7⁄8"	36 1⁄2"	104 7⁄8"	+40/-40 PSF	
PINNACLE CLAD OS DOOR STA-ACT	72.00	94 7⁄8"	34 1⁄2"	92 7⁄8"	+50/-50 PSF	
PINNACLE CLAD OS DOOR BI-HINGE	72.00	107.00"	34 1⁄2"	104 7⁄8"	+40/-40 PSF	
PINNACLE CLAD OS DOOR BI-HINGE	75.00"	81 7⁄8"	36.00"	79 1⁄4"	+30/-30 PSF	
PINNACLE CLAD OS DOOR STA-ACT	75.00"	119 7⁄8"	36.00"	116 1⁄4"	+40/-40 PSF	
PINNACLE CLAD OS DOOR BI-HINGE	75.00"	94 7⁄8"	36.00"	92 1⁄4"	+50/-50 PSF	
PINNACLE CLAD OS DOOR BI-HINGE	75.00"	94 7⁄8"	36.00"	92 1⁄4"	+40/-40 PSF	
PINNACLE CLAD OS DOOR BI-HINGE NARROW STILE	75.00"	95 7⁄8"	36.00"	93 1⁄4"	+35/-35 PSF	
PINNACLE CLAD OS DOOR STA-ACT NARROW STILE	75.00"	95 7⁄8"	36.00"	93 1⁄4"	+35/-35 PSF	
PINNACLE CLAD OS DOOR STA-ACT NARROW STILE	72	94 7⁄8"	34 1⁄4"	92 1⁄4"	+50/-50 PSF	



WINDSOR WINDOWS & DOORS

900 S. 19TH STREET.
WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

TITLE:
PINNACLE CLAD OUTSWING DOOR
(NON-HVHZ) (NON-IMPACT)

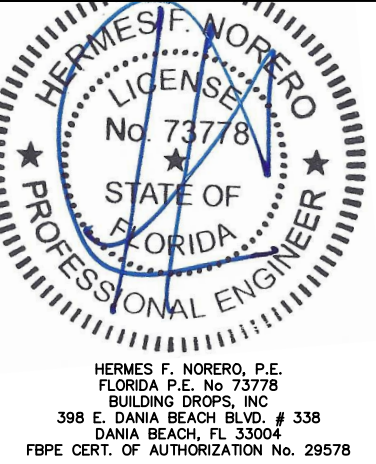
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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FAX: (954)744-4738
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REMARKS	BY	DATE
NARROW STILE	YC	01/20

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FL #:
FL11517

DATE: **01.02.2020**

DWG. BY: **YC** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **WWD050**

SHEET:

1

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& DOORS

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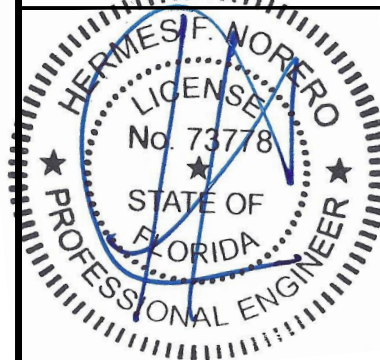
TITLE:
PINNACLE CLAD OUTSWING DOOR
(NON-HVHZ) (NON-IMPACT)
ELEVATION & ANCHOR LAYOUT

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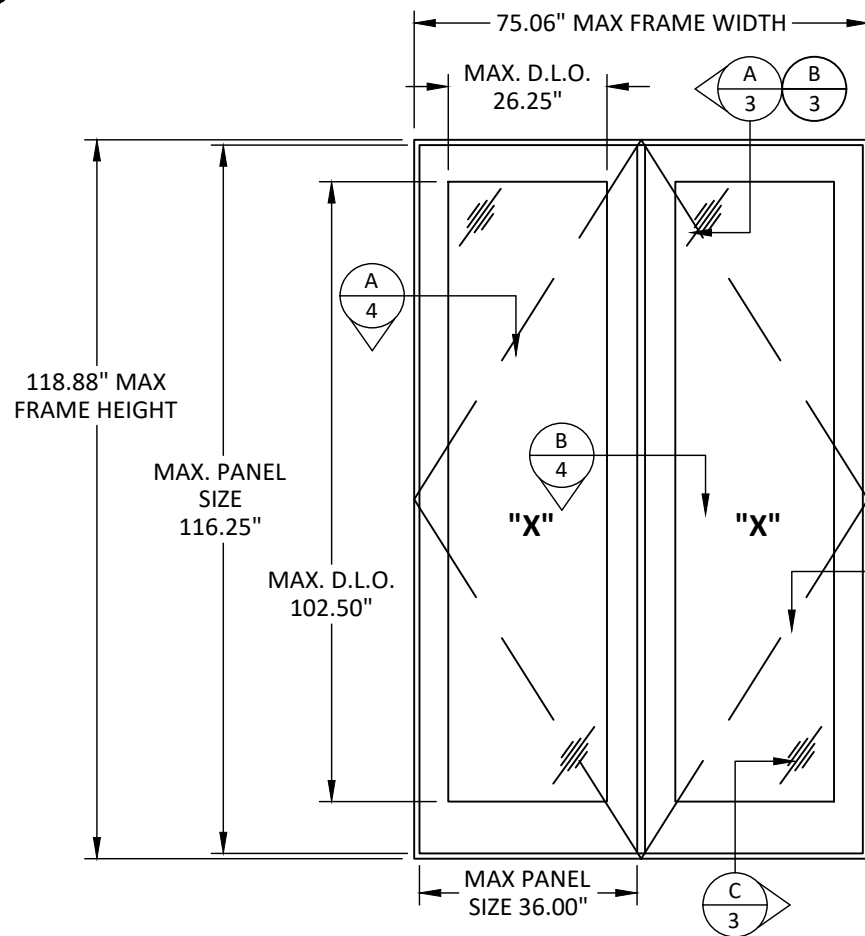
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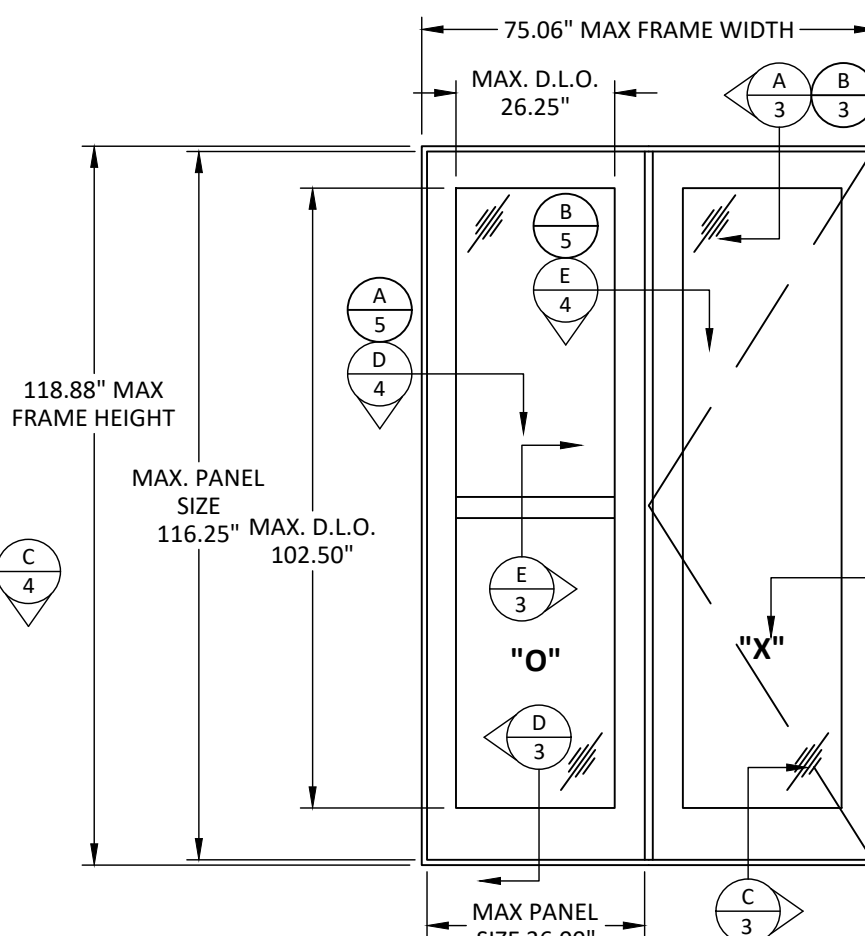
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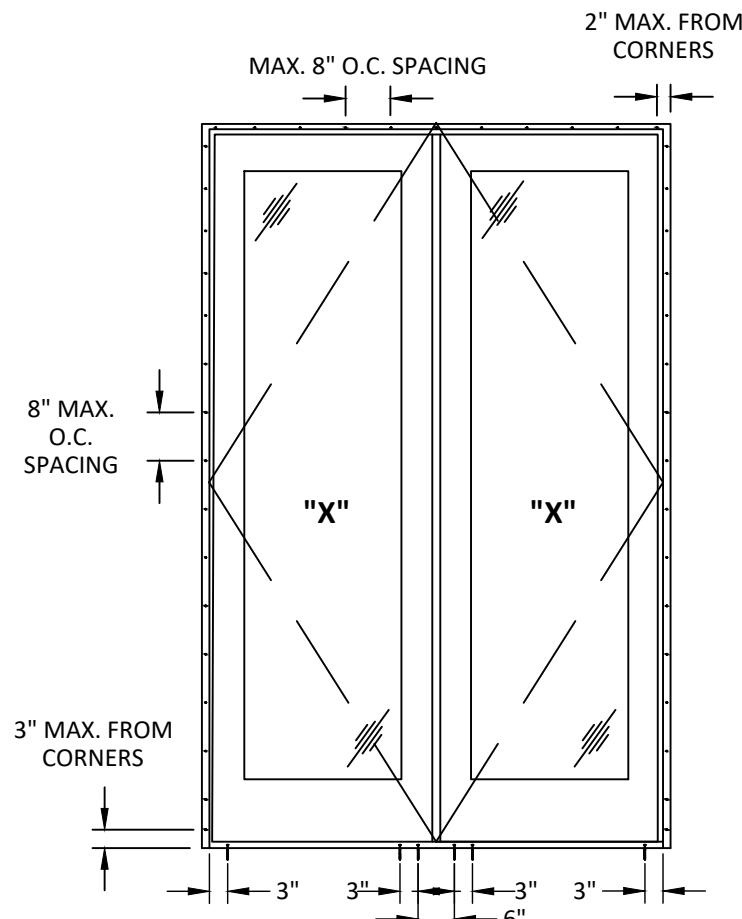
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2



**TYPICAL ELEVATION
BI-HINGE**



**TYPICAL ELEVATION
STA-ACT**

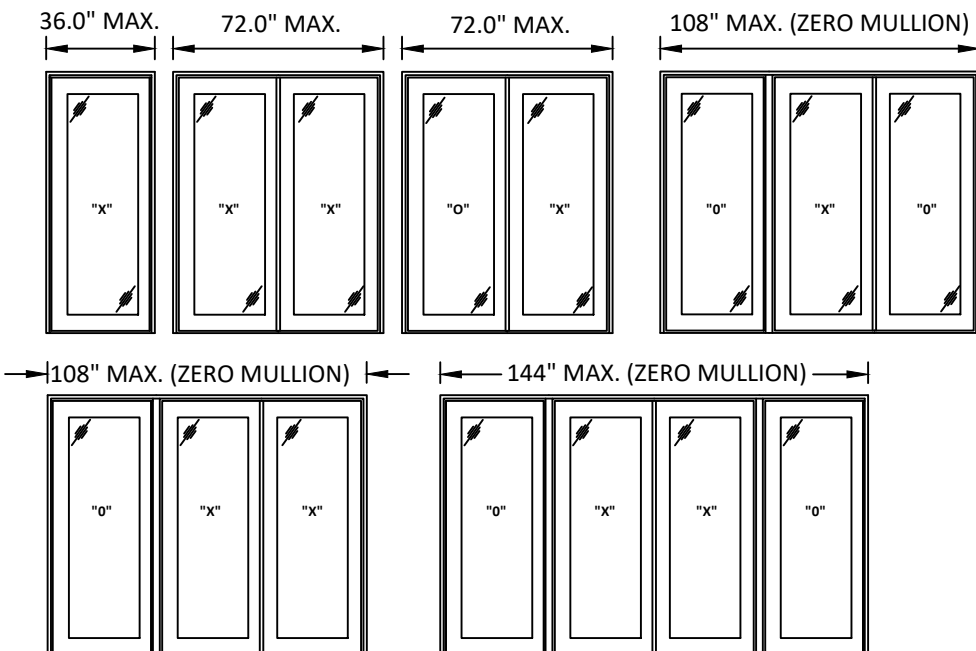


**TYPICAL ANCHOR LAYOUT
NAIL FIN**

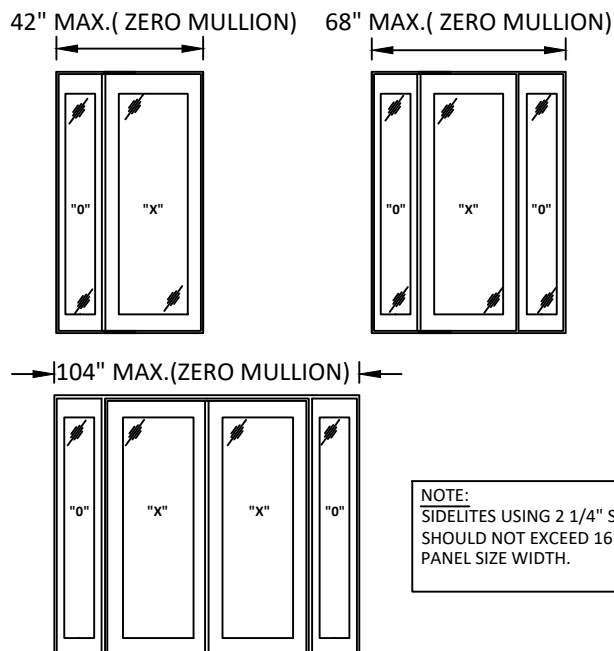
NOTE:
USE NAIL FIN AT HEAD AND
SIDE JAMBS, USE THRU FRAME
INSTALLATION METHOD AT SILL

QUALIFIED CONFIGURATIONS

NOTE:
SIZES BELOW INDICATES
PANEL MAXIMUM PANEL
WIDTH FOR CONFIGURATIONS

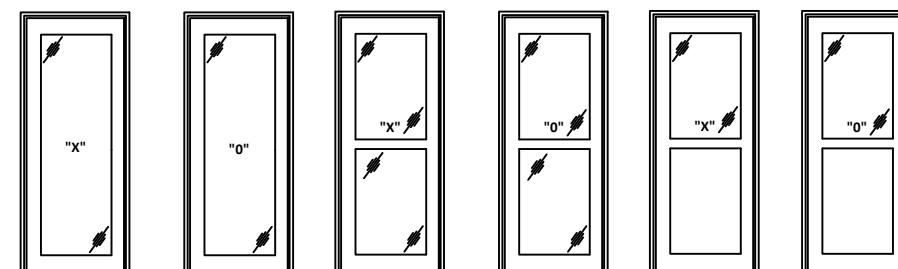


**SIDELITE W/ NARROW STILE
QUALIFIED CONFIGURATIONS**



NOTE:
SIDELITES USING 2 1/4\"/>

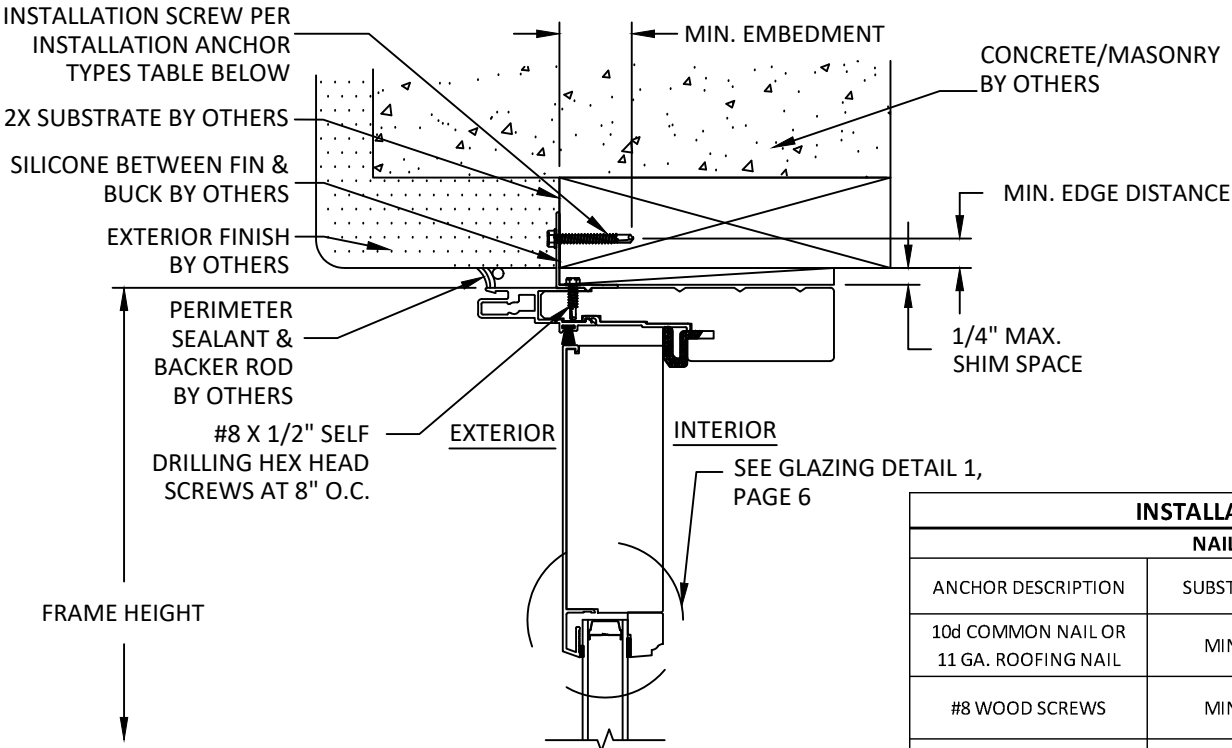
QUALIFIED PANEL SHAPES



NARROW STILE DLO NOTES:

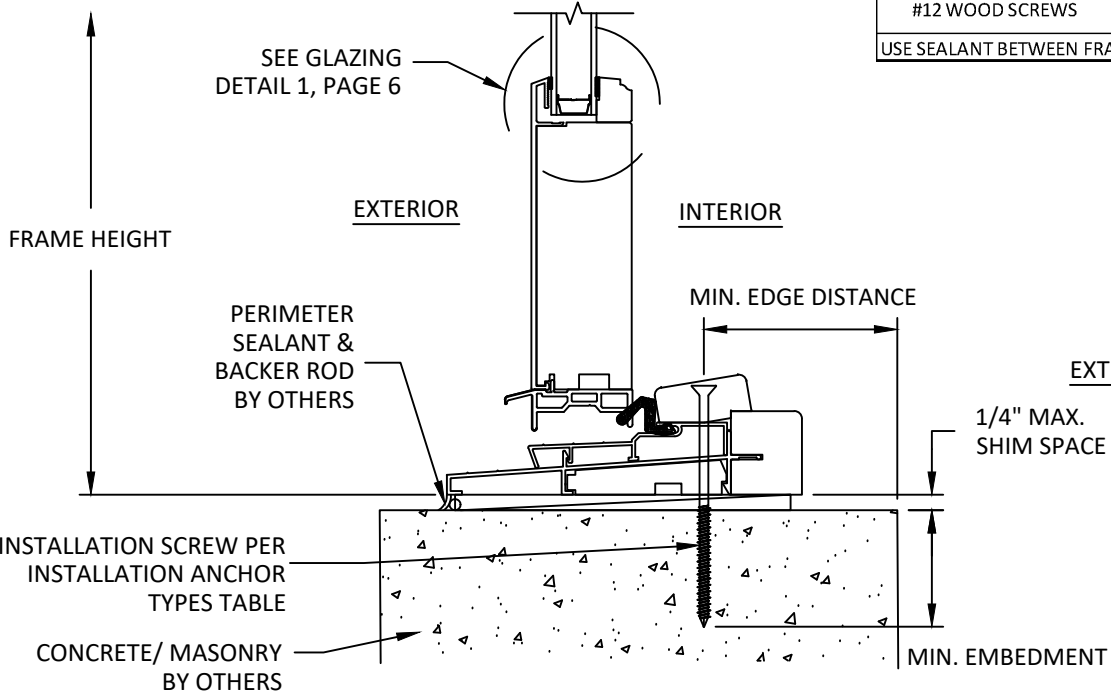
1. TYPICAL ELEVATIONS SHOWN ABOVE SHOW MAXIMUM FRAME SIZE FOR BI-HINGE AND STA-ACT CONFIGURATIONS. NARROW STILE CONFIGURATIONS STATED ON SHEET 1 DESIGN PRESSURE TABLE SHALL HAVE MAXIMUM ALLOWABLE D.L.O. DIMENSIONS OF 29.25\"/>
2. MAXIMUM DESIGN PRESSURE FOR NARROW STILE SIDELITE ON SHEET 2 SHOULD BE AS PER DESIGN PRESSURE TABLE AND A MAXIMUM D.L.O. OF 11.5\"/>

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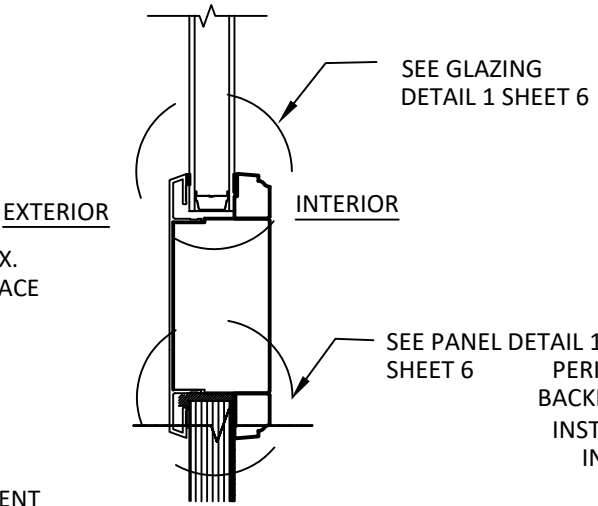


A
3 VERTICAL SECTION
HEAD - FIN FRAME INSTALLATION
(JAMBS ARE INSTALLED THE SAME)

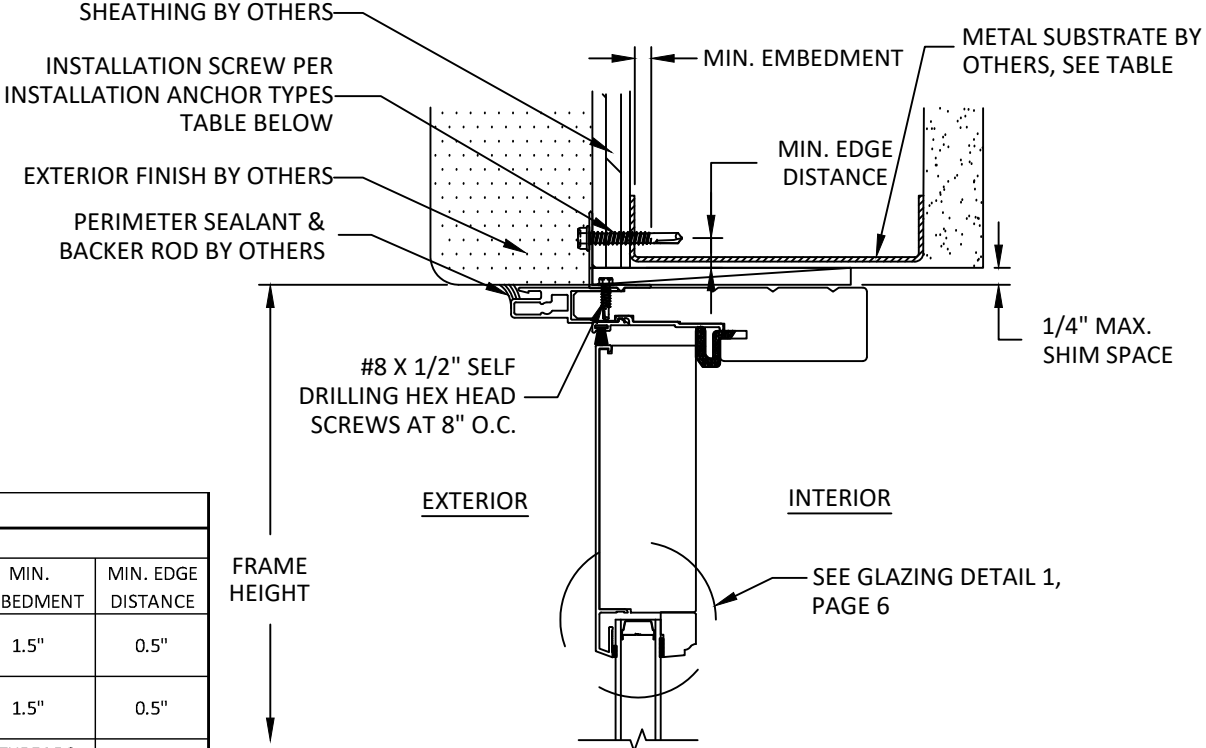
INSTALLATION ANCHOR TYPES			
NAIL FIN INSTALLATION			
ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE
10d COMMON NAIL OR 11 GA. ROOFING NAIL	MIN. S.G.= 0.55 WOOD	1.5"	0.5"
#8 WOOD SCREWS	MIN. S.G.= 0.55 WOOD	1.5"	0.5"
#8-24 SELF-DRILLING OR SELF-TAPPING HWH SCREWS (GRADE 5)	STEEL: 18 GA. MIN., F _y =33 KS/ MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	0.5"
FIN IS FASTENED TO DOOR WITH #8 X 5/8" SELF-DRILLING SCREWS AT 4" FROM ENDS AND 8" O.C. USE SEALANT BETWEEN FIN AND FRAME, AND BETWEEN FIN AND SUBSTRATE.			
THRESHOLD INSTALLATION			
ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE
3/16" Ø TAPCON BY ITW	CONCRETE F' _c =3000 PSI MIN.	1.25"	2.5"
#12 WOOD SCREWS	MIN. S.G.= 0.55 WOOD	1.5"	1.0"
USE SEALANT BETWEEN FRAME AND SUBSTRATE.			



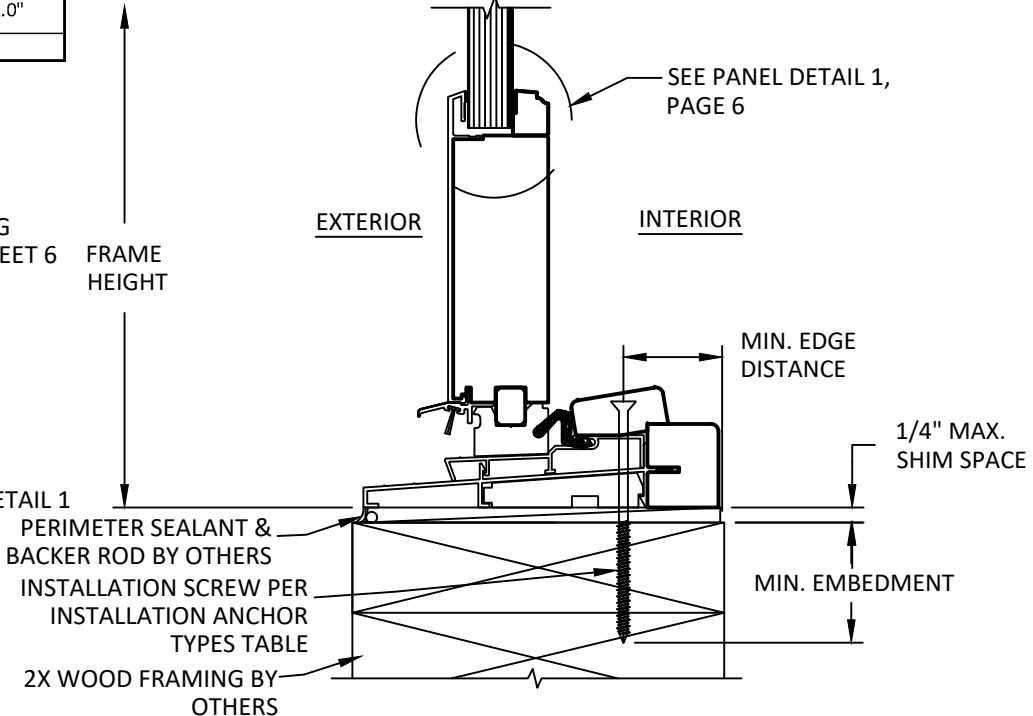
C
3 VERTICAL SECTION
SILL - ACTIVE PANEL



E
3 VERTICAL SECTION
MIDRAIL DETAIL



B
3 VERTICAL SECTION
HEAD - FIN FRAME INSTALLATION
(JAMBS ARE INSTALLED THE SAME)



D
3 VERTICAL SECTION
SILL - STATIONARY PANEL



WINDSOR WINDOWS
& DOORS

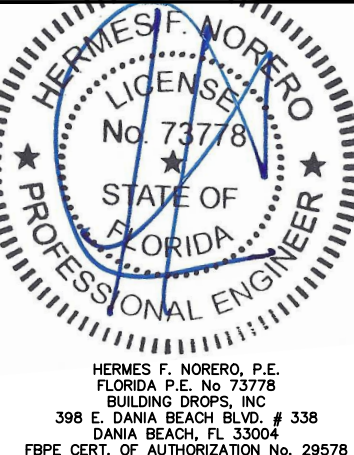
900 S. 19TH STREET.
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PH: (515)223-6660 FAX: (515)224-1938

TITLE: PINNACLE CLAD OUTSWING DOOR
(NON-HVHZ) (NON-IMPACT)
VERTICAL SECTIONS

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DANIA BEACH, FL 33004
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REMARKS	BY	DATE
NARROW STILE	YC	01/20

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SHEET:
3

TITLE: PINNACLE CLAD OUTSWING DOOR
(NON-HVHZ) (NON-IMPACT)

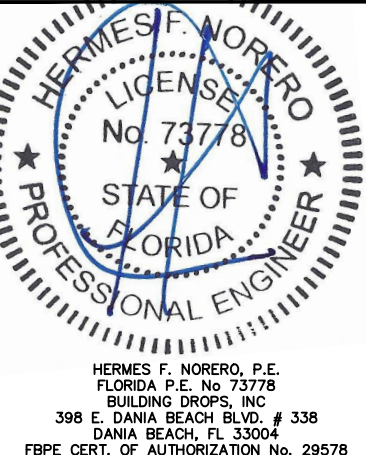
HORIZONTAL SECTIONS

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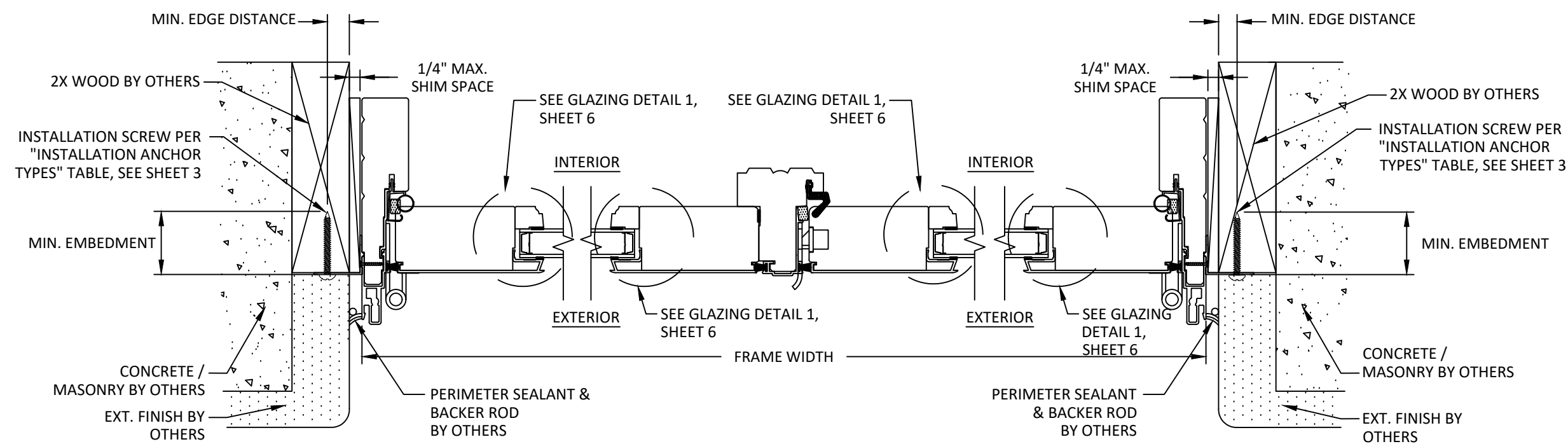
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SCALE: NTS

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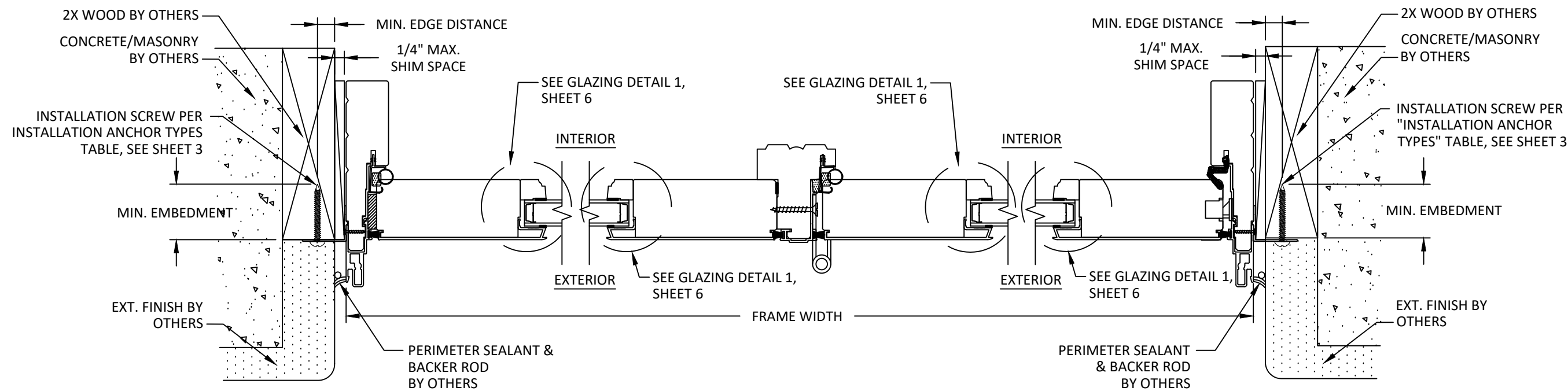
4



A HORIZONTAL SECTION
4 JAMB - THRU FRAME INSTALLATION
(HEAD IS INSTALLED THE SAME)

B HORIZONTAL SECTION
4 (BI-HINGE - ASTRAGAL)

C HORIZONTAL SECTION
4 JAMB - THRU FRAME INSTALLATION
(HEAD IS INSTALLED THE SAME)



D HORIZONTAL SECTION
4 JAMB - FIN INSTALLATION
(HEAD IS INSTALLED THE SAME)

E HORIZONTAL SECTION
4 STA-ACT ASTRAGAL

F HORIZONTAL SECTION
4 JAMB - FIN INSTALLATION
(HEAD IS INSTALLED THE SAME)

CONFIGURATION NOTES:
BI-HINGE SECTION DETAILS SHOWN IN COMBINATION WITH NARROW STILE PROFILES, STA-ACT SECTION DETAILS SHOWN IN COMBINATION WITH REGULAR STILE PROFILES. DETAILS ARE INTENDED TO BE REPRESENTATIVE AND MAY BE INTERMIXED IN ACCORDANCE WITH CONFIGURATIONS STATED ON SHEET 1 DESIGN PRESSURE TABLE.

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HORIZONTAL SECTIONS
(NARROW STILE)

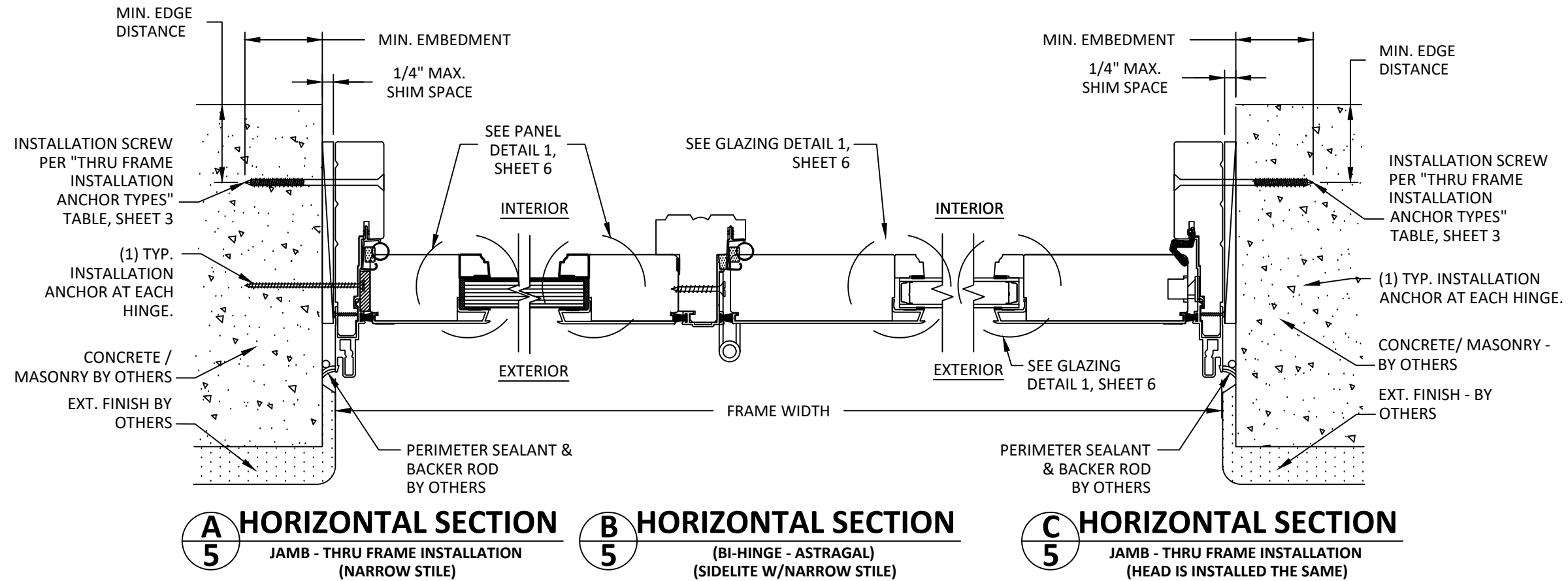
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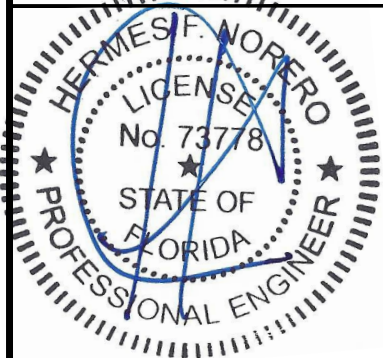
209 E DANIA BEACH BLVD. STE 320



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SCALE: NTS

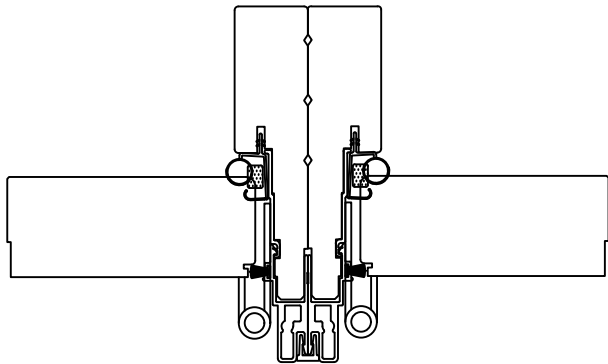
DWG. #: **WWD050**

SHEET:

5

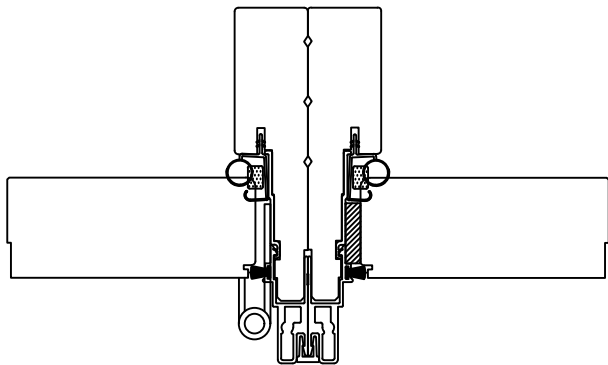
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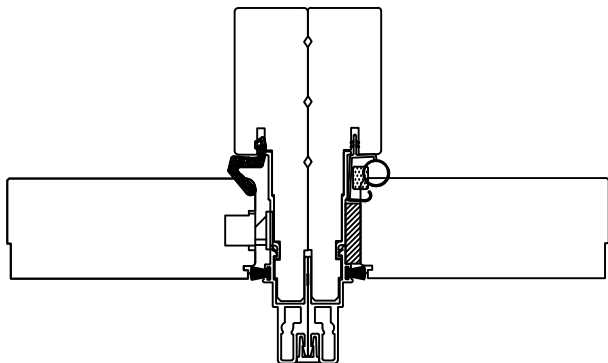
BACK TO BACK MULLION

ACTIVE/ACTIVE



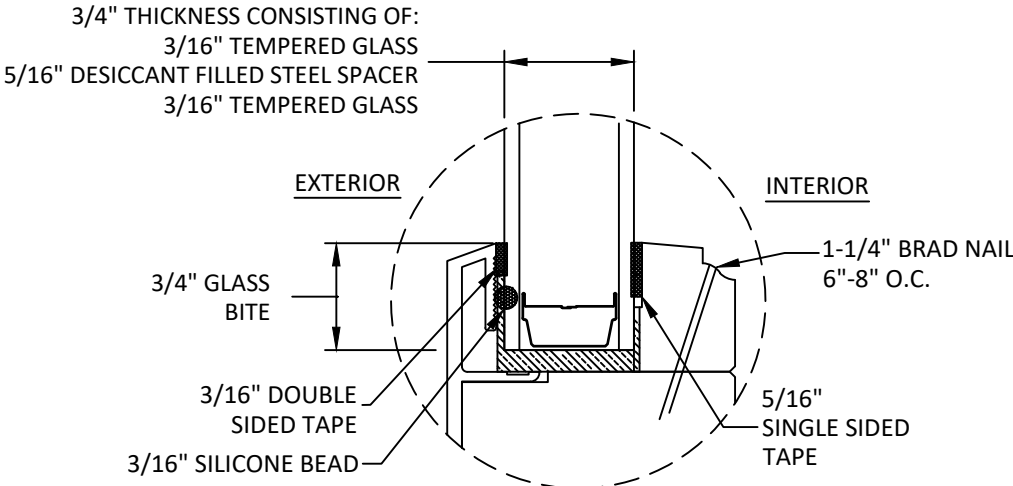
BACK TO BACK MULLION

ACTIVE/INACTIVE

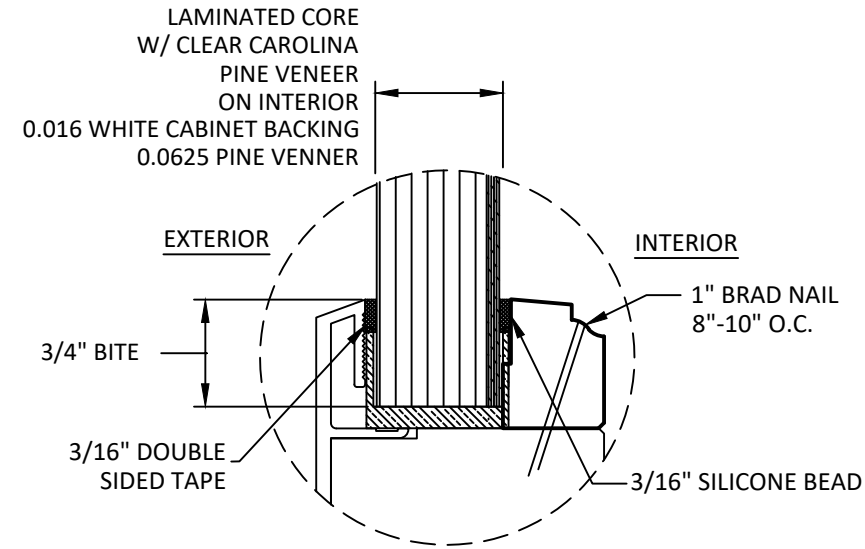


BACK TO BACK MULLION

ACTIVE/INACTIVE



GLAZING DETAIL 1



PANEL DETAIL 1



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GLAZING & MULLION DETAILS

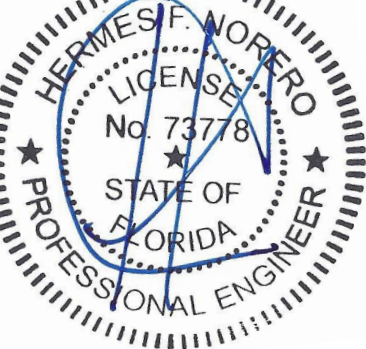
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REMARKS	BY	DATE
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SCALE: **NTS**

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SHEET:

6

OF 6