

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 BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (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 OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4" DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT.
7. **THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. CLIPS SHALL BE FASTENED TO THE WINDOW FRAME WITH (2) #8 X 5/8" SCREWS. CLIPS ARE 20 GAUGE (0.063" THICKNESS) F<sub>y</sub>=33 KSI MIN STEEL WITH OVERALL DIMENSIONS OF 1.5" WIDE, 7.813" ALONG THE LONG LEG, AND 1.942" ALONG THE SHORT LEG.
9. **CLIP ANCHOR:** FOR INSTALLATION INTO METAL STUD USE (2) #8 GR. 5 SELF-TAPPING SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
10. **CLIP ANCHOR:** FOR INSTALLATION INTO WOOD FRAMING USE (2) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
11. **NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OR USE 10D COMMON NAIL OR 11 GAUGE ROOFING NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
12. **NAIL FIN:** FOR INSTALLATION INTO METAL STUD USE #8 GR. 5 SELF-TAPPING SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
13. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
14. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
15. FOR 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.
16. 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.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS
3	ANCHOR LAYOUTS
4	ANCHOR LAYOUTS
5	VERTICAL SECTIONS
6	VERTICAL SECTIONS
7	HORIZONTAL SECTIONS
8	HORIZONTAL SECTIONS (NARROW STILE)
9	GLAZING & MULLION DETAILS

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.1/A440-11/17
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. DOOR FRAME MATERIAL:

6.1. WOOD

6.2. ALUMINUM 6063-T5
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL


O: STATIONARY PANEL

WINDSOR WINDOWS & DOORS

PINNACLE CLAD INSWING DOOR

(NON-HVHZ)(NON-IMPACT)

DESIGN PRESSURE TABLE						
DOOR TYPE	TYP. OVERALL FRAME SIZE		TYP. OVERALL PANEL SIZE		DESIGN PRESSURE	CONFIGURATION
	MAX. FRAME WIDTH	MAX. FRAME HEIGHT	MAX. PANEL WIDTH	MAX. PANEL HEIGHT		
BI-HINGE	75"	119.38"	36"	116.87"	+30/-30 PSF	XX
	75"	95.38"	36"	93"	+40/-40 PSF	XX
	84"	95.38"	40.5"	93"	+35/-35 PSF	XX
STAT-ACT	75"	95.38"	36"	93"	+50/-50 PSF	OX
	84"	95.38"	40.5"	93"	+40/-40 PSF	OX
NARROW STILE	75"	95.38"	36"	92.75"	+40/-40 PSF	XX
	37.75"	95.38"	32.5"	92.75"	+50/-50 PSF	X
	75"	95.38"	36"	92.75"	+35/-35 PSF	XX
	72"	95.38"	35"	92.75"	+50/-50 PSF	XX



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

TITLE:

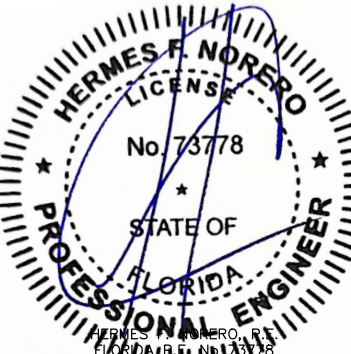
PINNACLE CLAD INSWING DOOR (NON-HVHZ)(NON-IMPACT) INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com

REMARKS	BY	DATE
NARROW STILE	YC	01/20
8TH FBC CODE CHANGE	MG	02/23

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No. 73778  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
HERMES F. NORERO, P.E.  
FLORIDA LICENSE NO. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL11573

DATE:

01.15.20

DWG. BY:

RV

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

WWD032

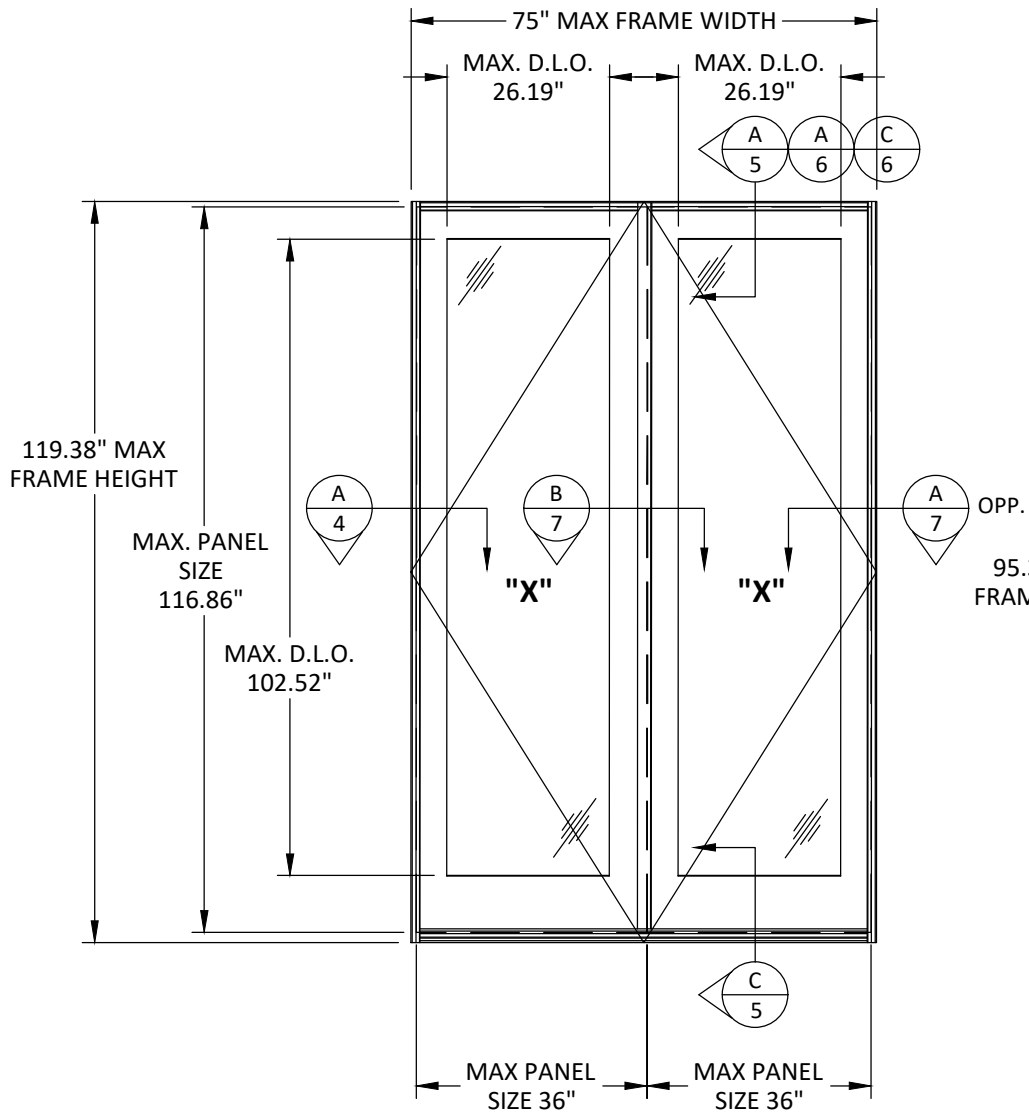
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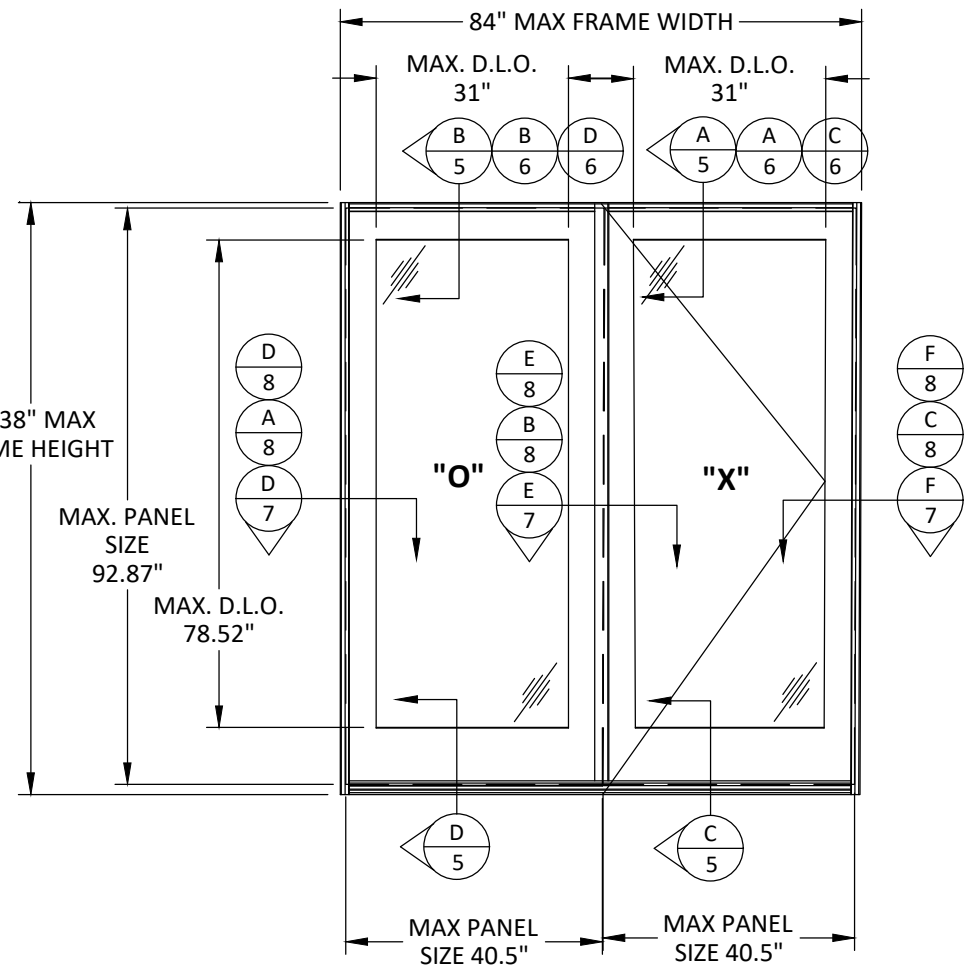
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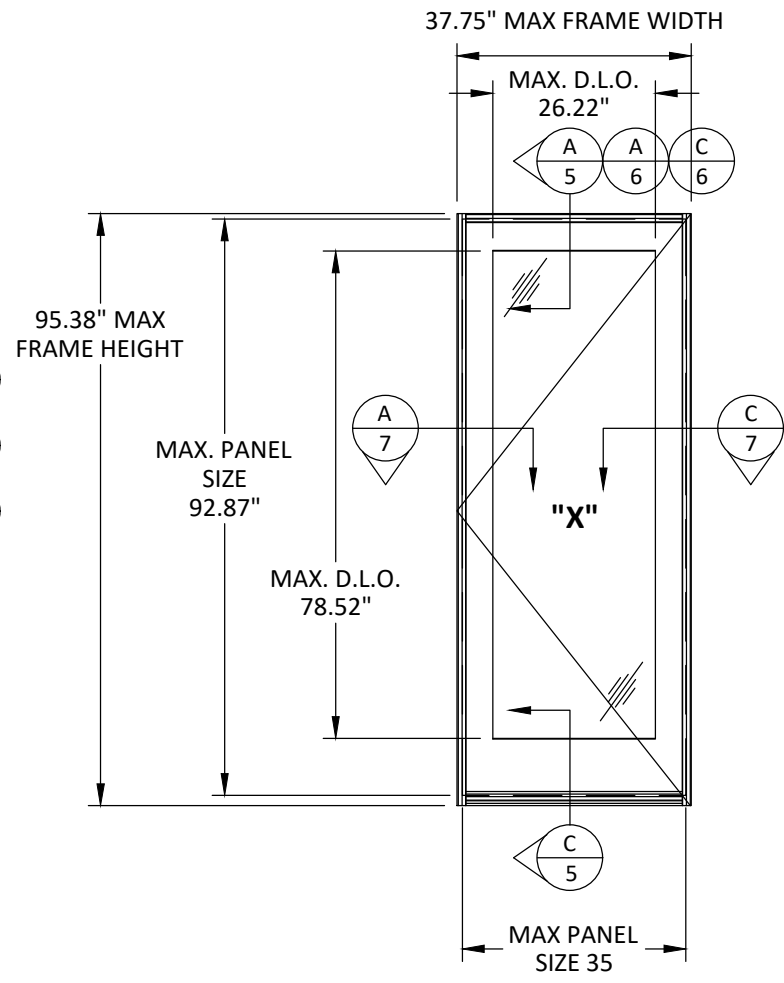
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TYPICAL ELEVATION  
BI-HINGE



TYPICAL ELEVATION  
STATIONARY-ACTIVE



TYPICAL ELEVATION  
SINGLE DOOR

**WINDSOR WINDOWS & DOORS**  
A Woodgrain Millwork Company

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

TITLE: PINNACLE CLAD  
INSWING DOOR  
(NON-HVHZ)(NON-IMPACT)  
ELEVATIONS

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FL #: **FL11573**

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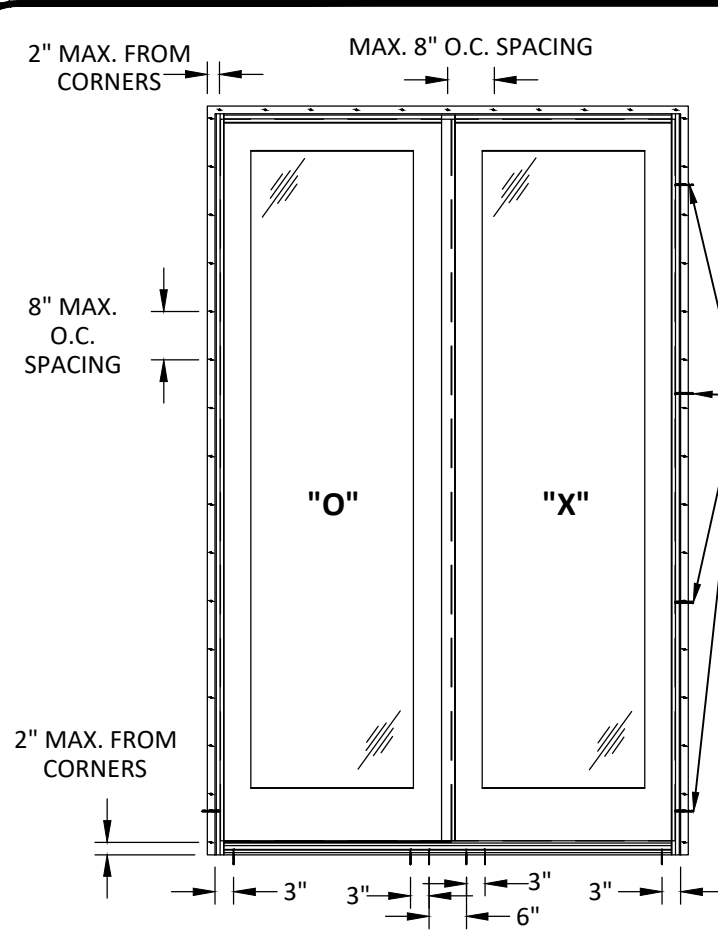
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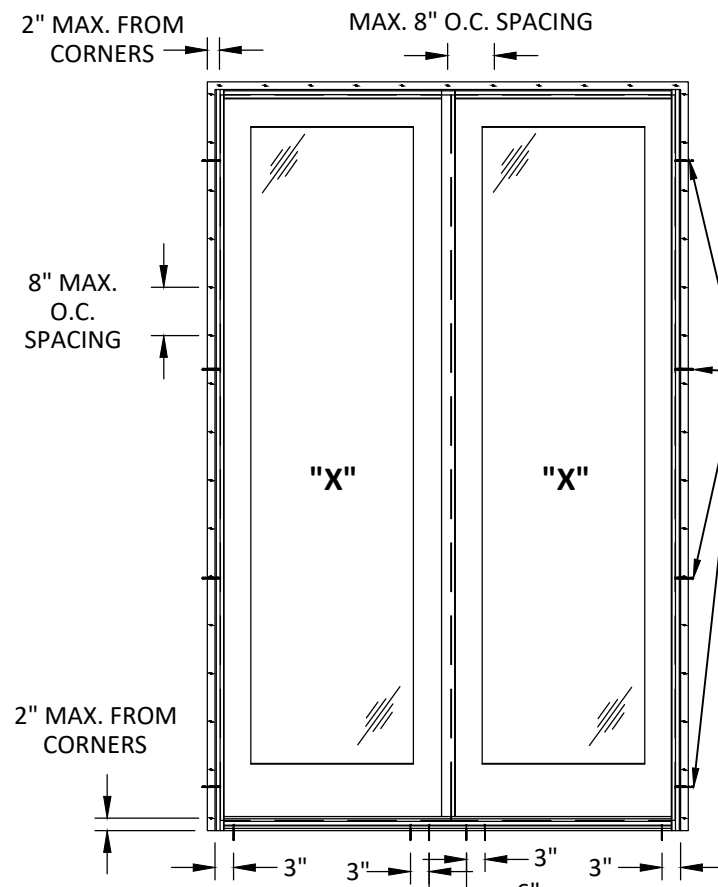
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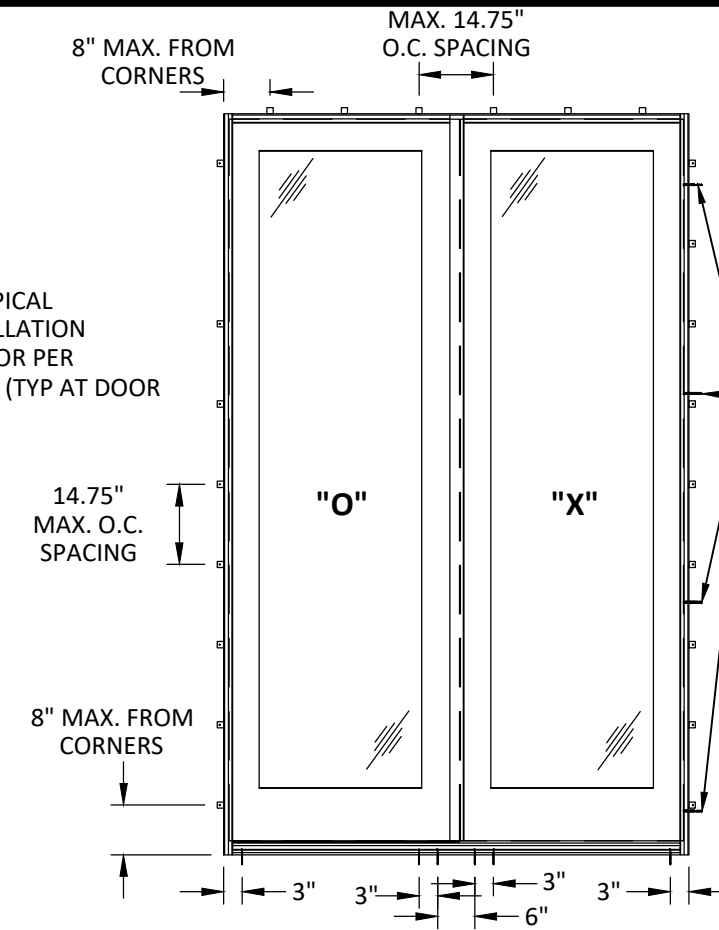
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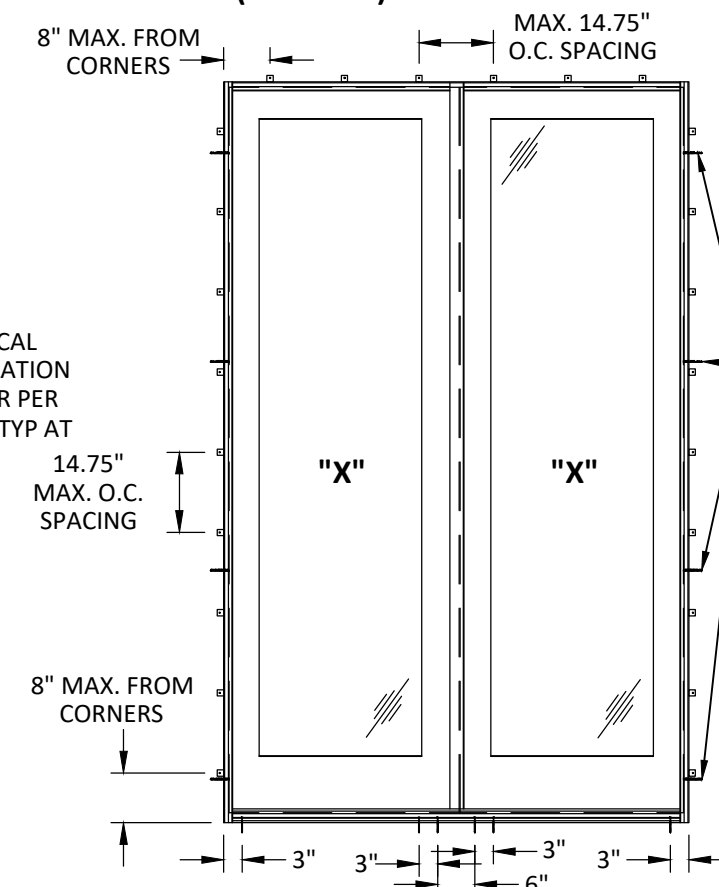
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(BI-HINGE) NAIL FIN



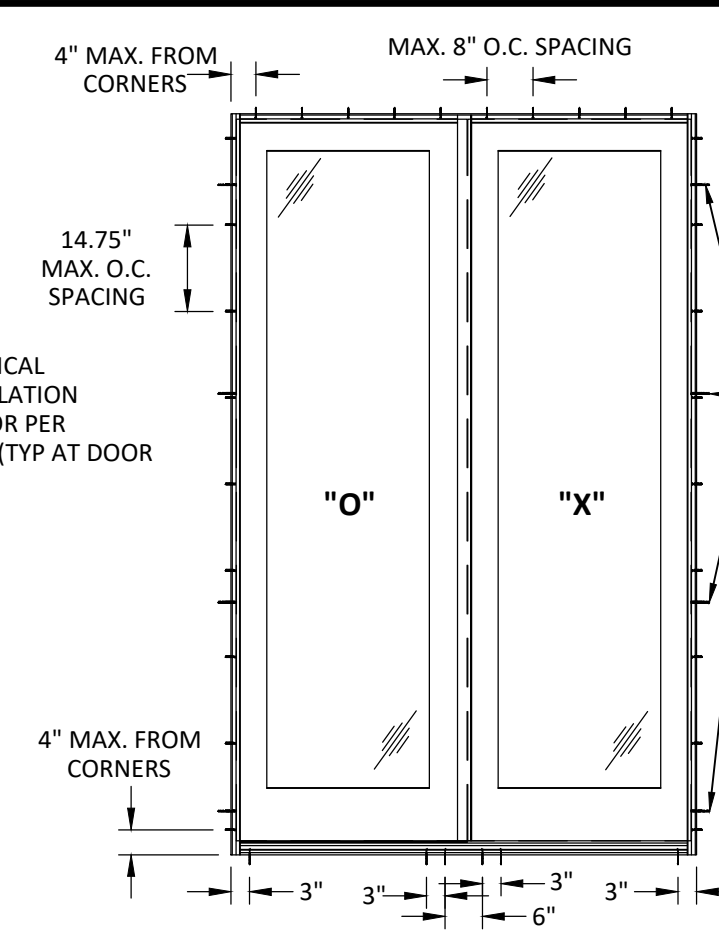
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(STATIONARY-ACTIVE) NAIL FIN



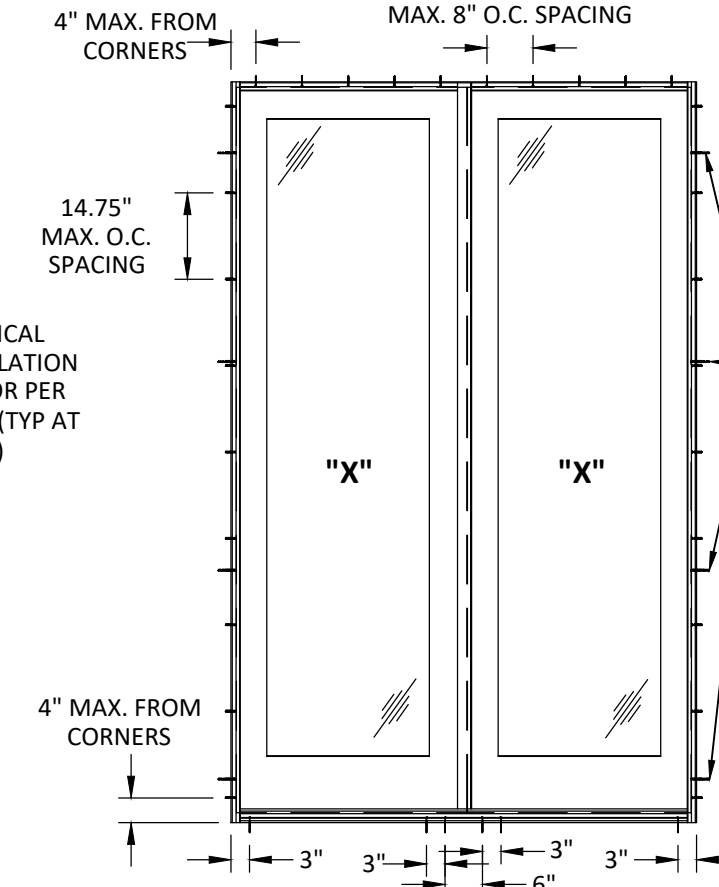
**TYPICAL ANCHOR LAYOUT**  
(BI-HINGE) CLIP INSTALLATION



**TYPICAL ANCHOR LAYOUT**  
(STATIONARY-ACTIVE) CLIP INSTALLATION



**TYPICAL ANCHOR LAYOUT**  
(BI-HINGE) THROUGH FRAME



**TYPICAL ANCHOR LAYOUT**  
(STATIONARY-ACTIVE) THROUGH FRAME

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

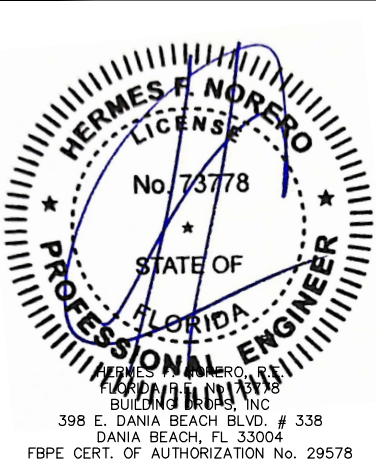


**WINDSOR WINDOWS & DOORS**  
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TITLE: PINNACLE CLAD INSWING DOOR (NON-HVHZ)(NON-IMPACT) ANCHOR LAYOUT	PREPARED BY: <b>BUILDING DROPS, INC.</b> 398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744-4738 WEB: www.buildingdrops.com

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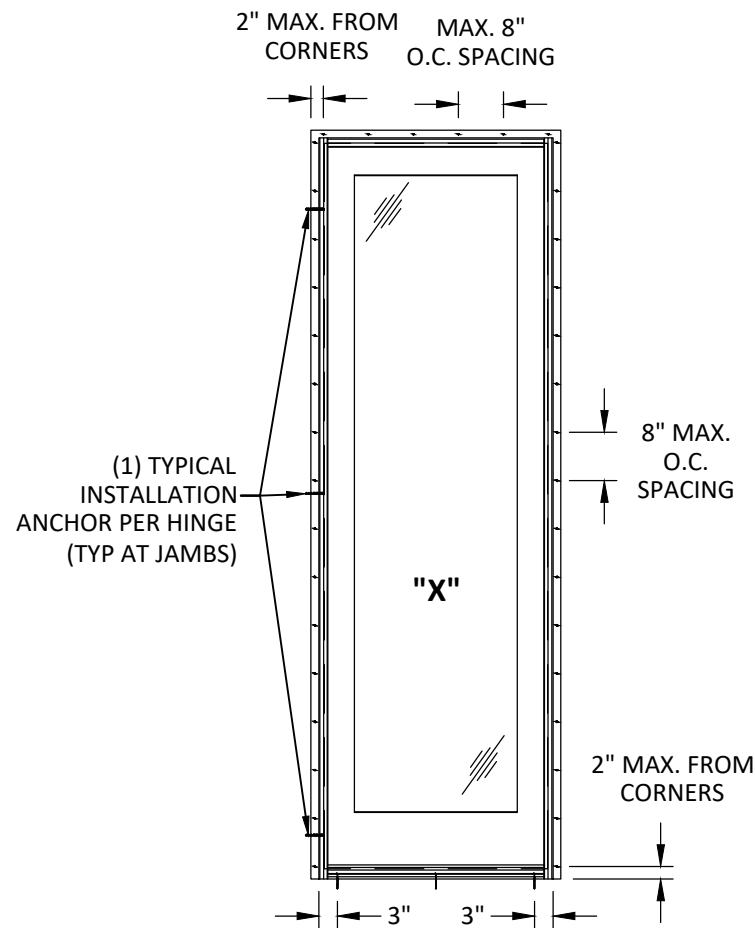


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SCALE:	<b>NTS</b>
DWG. #:	<b>WWD032</b>
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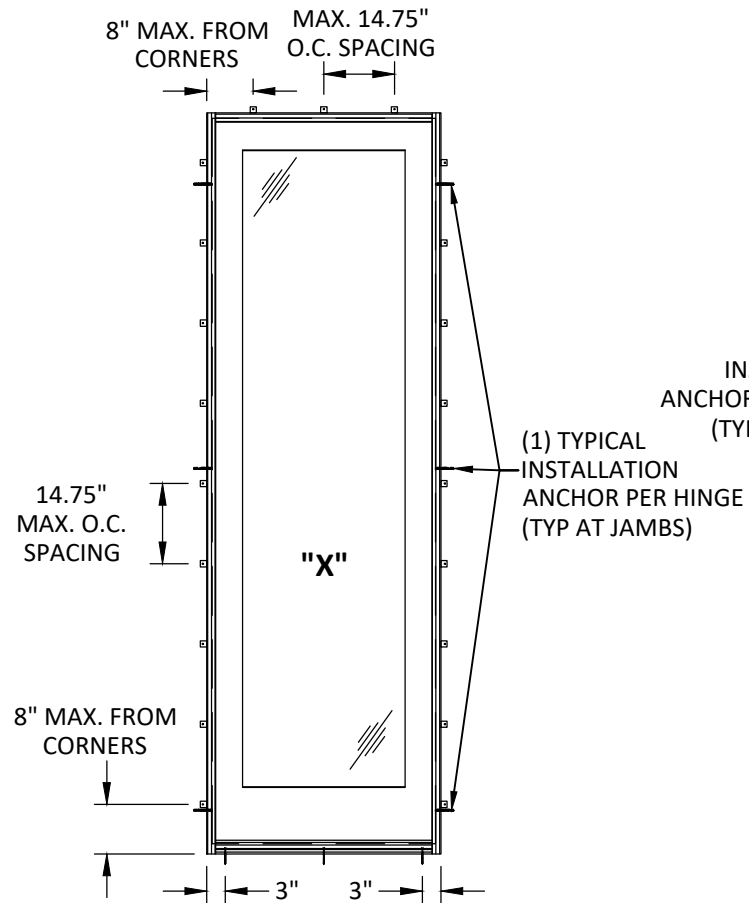


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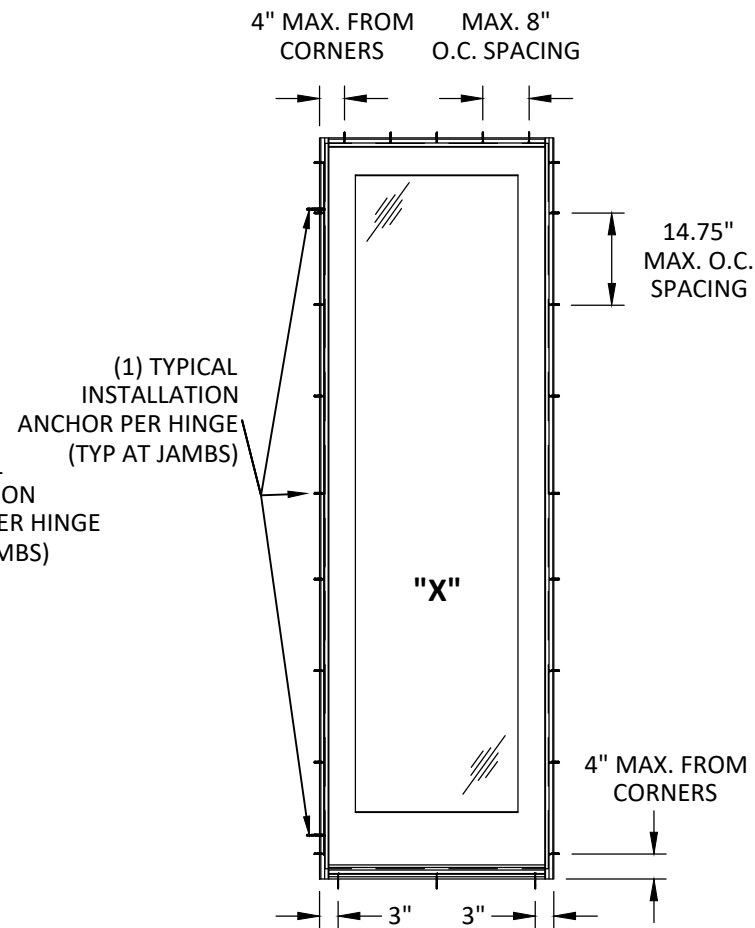
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**TYPICAL ANCHOR LAYOUT**  
NAIL FIN



**TYPICAL ANCHOR LAYOUT**  
CLIP INSTALLATION

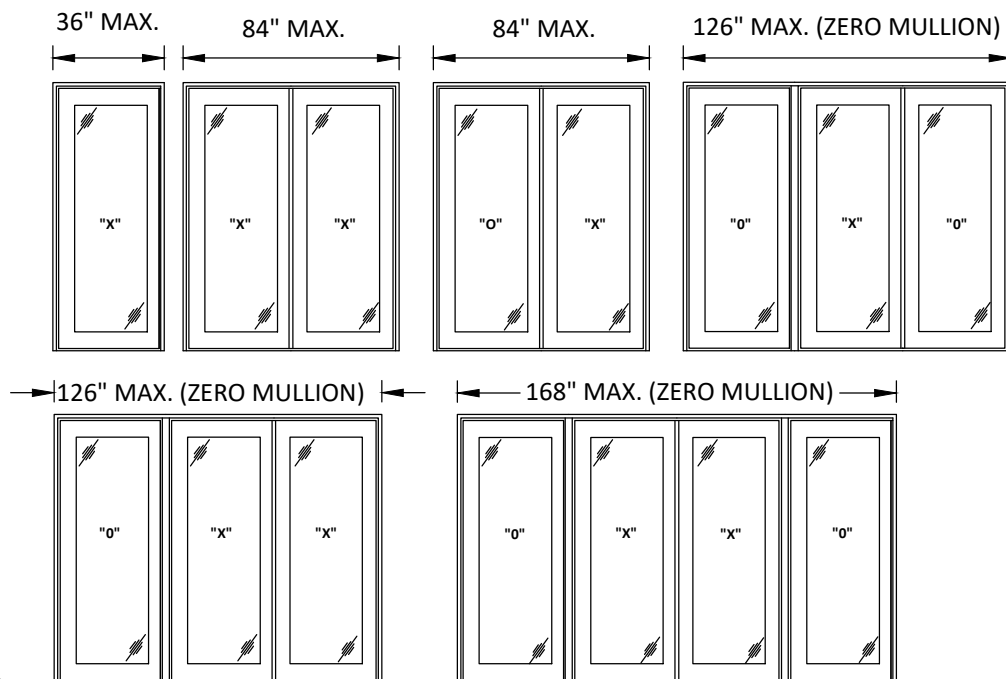


**TYPICAL ANCHOR LAYOUT**  
TROUGH FRAME

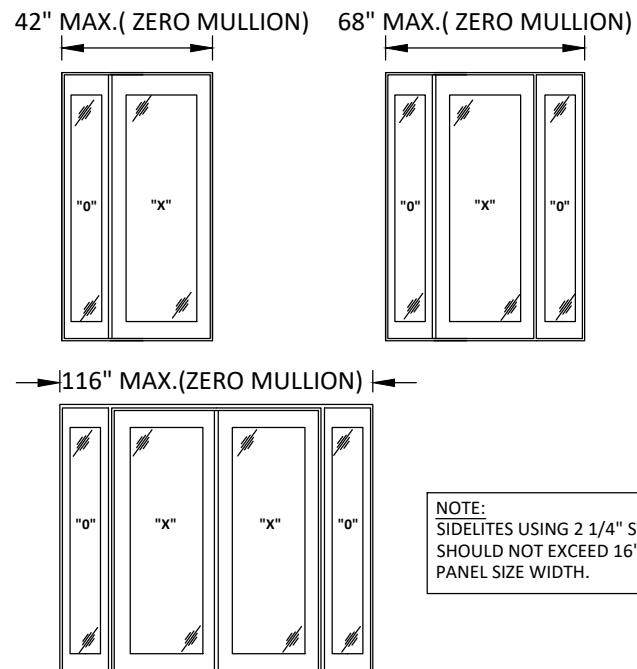
NOTE:  
USE NAIL FIN AT HEAD AND  
SIDE JAMBS, USE THRU FRAME  
INSTALLATION METHOD AT SILL

## QUALIFIED CONFIGURATIONS

NOTE:  
SIZES BELOW INDICATES  
MAXIMUM PANEL WIDTH FOR  
CONFIGURATIONS



## SIDELITE W/ NARROW STILE QUALIFIED CONFIGURATIONS



NOTE:  
SIDELITES USING 2 1/4" STILE  
SHOULD NOT EXCEED 16" OF  
PANEL SIZE WIDTH.

### 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 DLO DIMENSIONS OF 29.25" X 81.875".
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" X 102.50".



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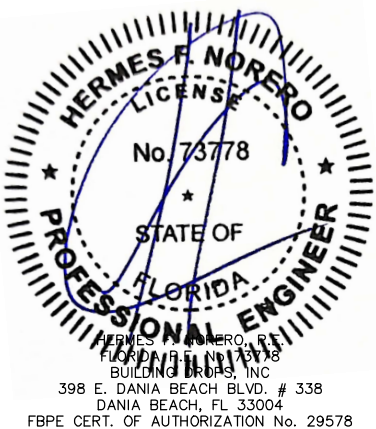
TITLE: PINNACLE CLAD  
INSLING DOOR  
(NON-HVHZ)(NON-IMPACT)  
ANCHOR LAYOUT

PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
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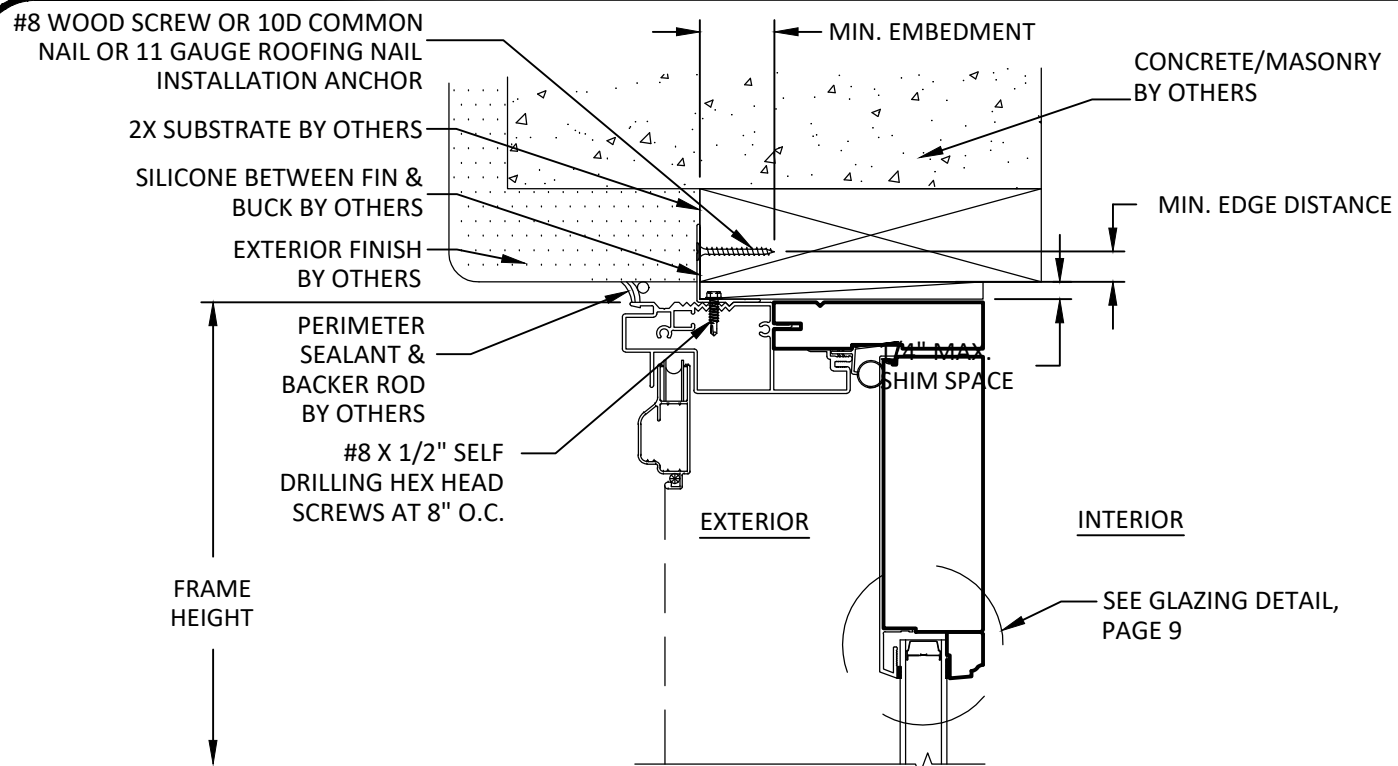
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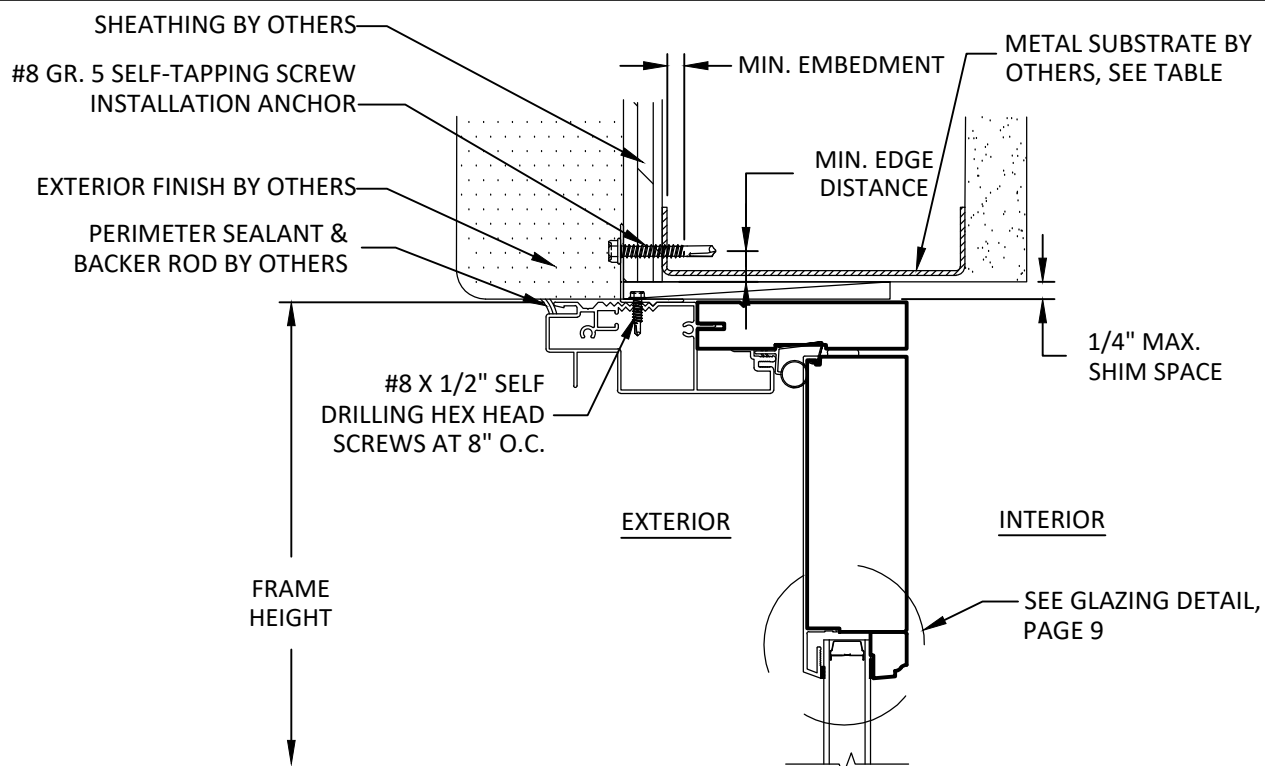
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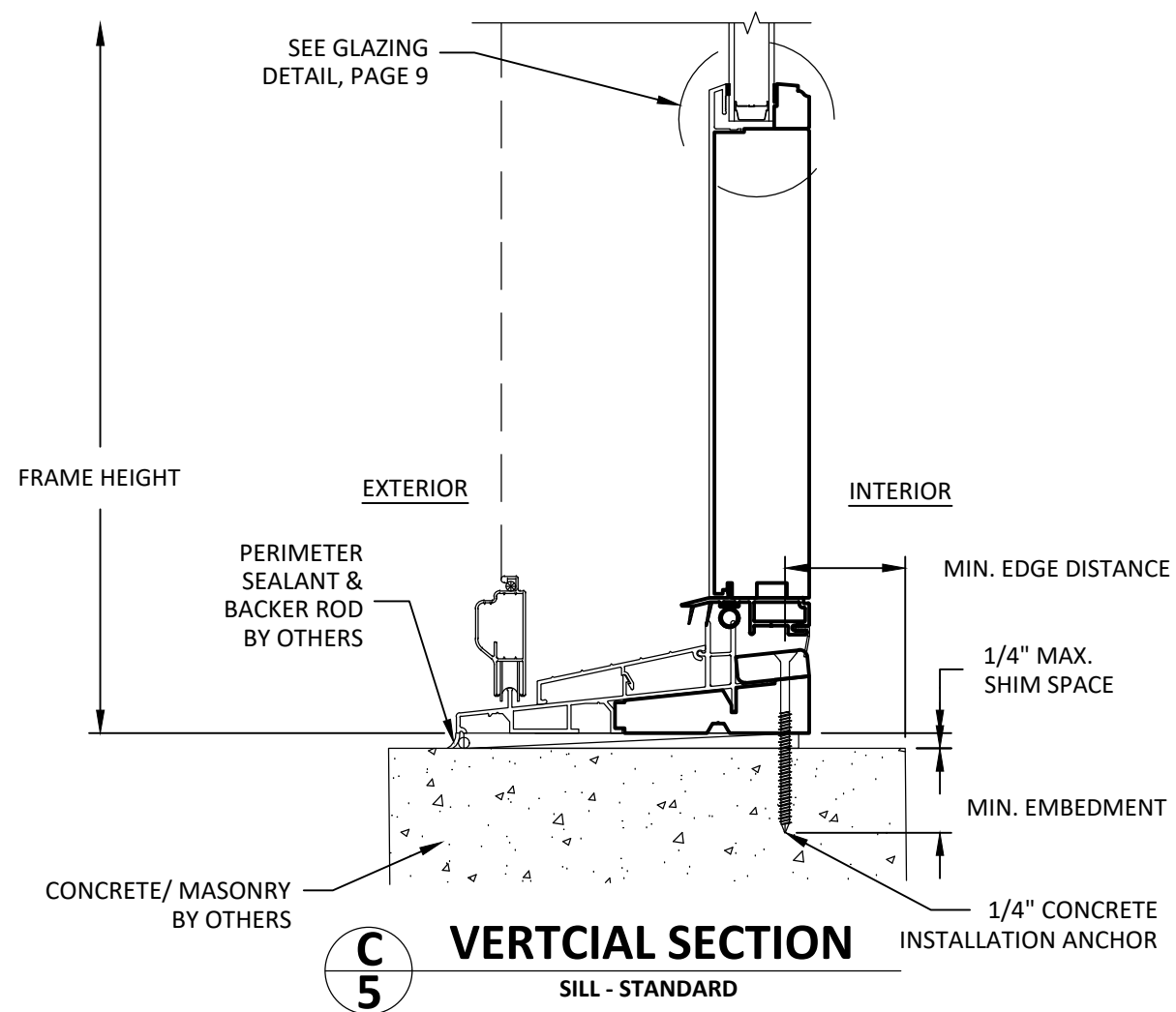
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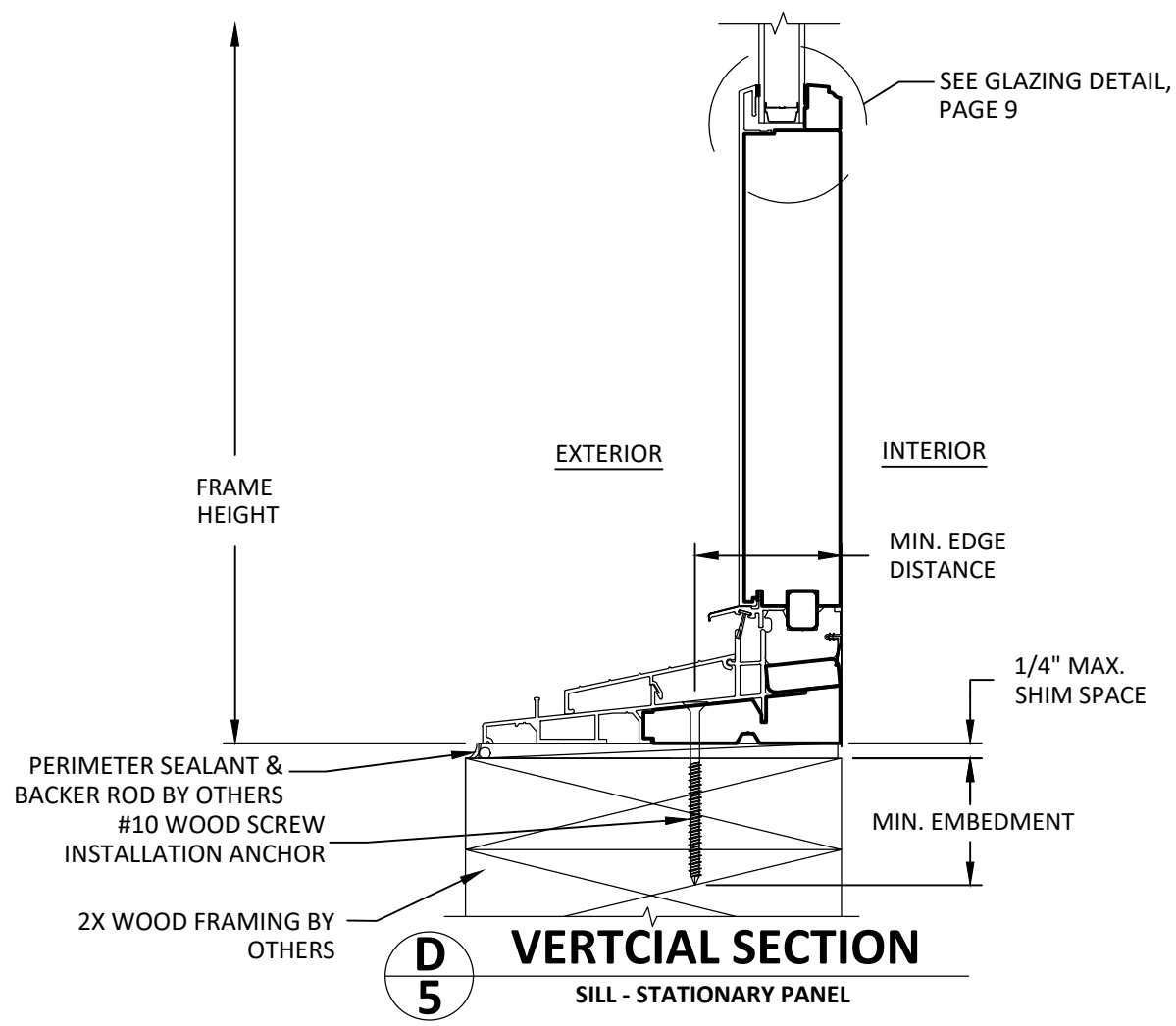
**A**  
**5**  
**VERTICAL SECTION**  
HEAD - FIN INSTALLATION



**B**  
**5**  
**VERTICAL SECTION**  
HEAD - FIN INSTALLATION



**C**  
**5**  
**VERTICAL SECTION**  
SILL - STANDARD



**D**  
**5**  
**VERTICAL SECTION**  
SILL - STATIONARY PANEL



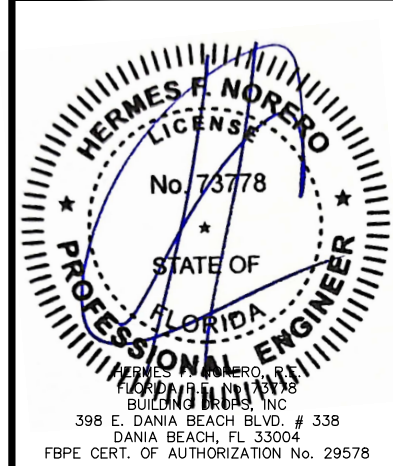
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TITLE: PINNACLE CLAD  
INSWING DOOR  
(NON-HVHZ)(NON-IMPACT)  
INSTALLATION DETAILS

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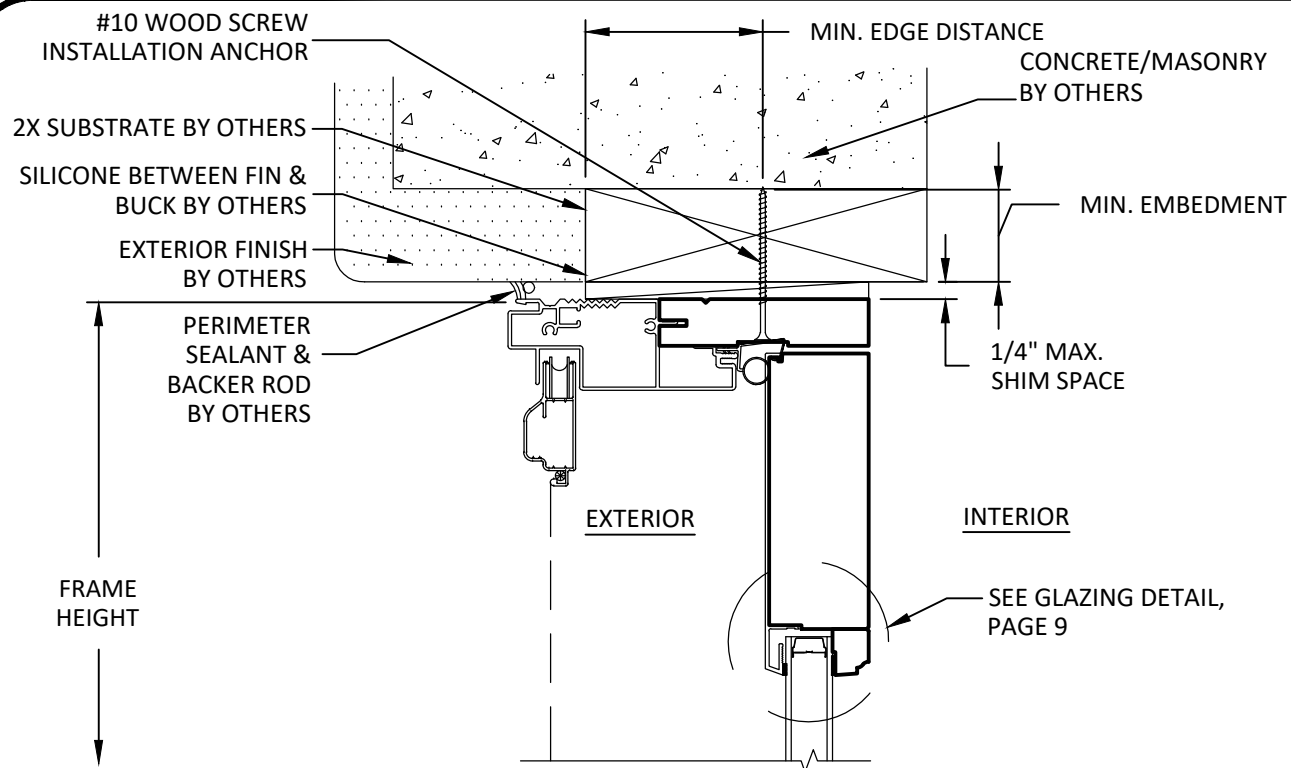
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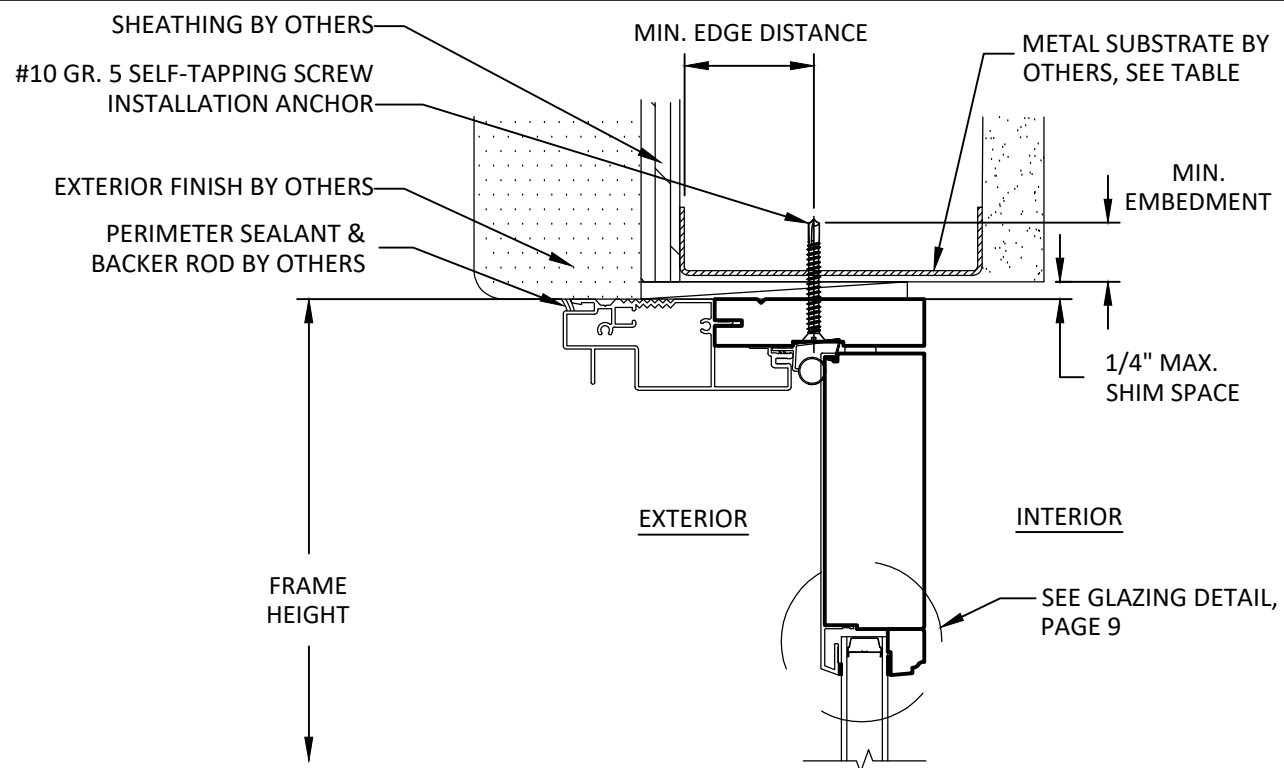


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SCALE:	<b>NTS</b>
DWG. #:	<b>WWD032</b>
SHEET:	<b>5</b>

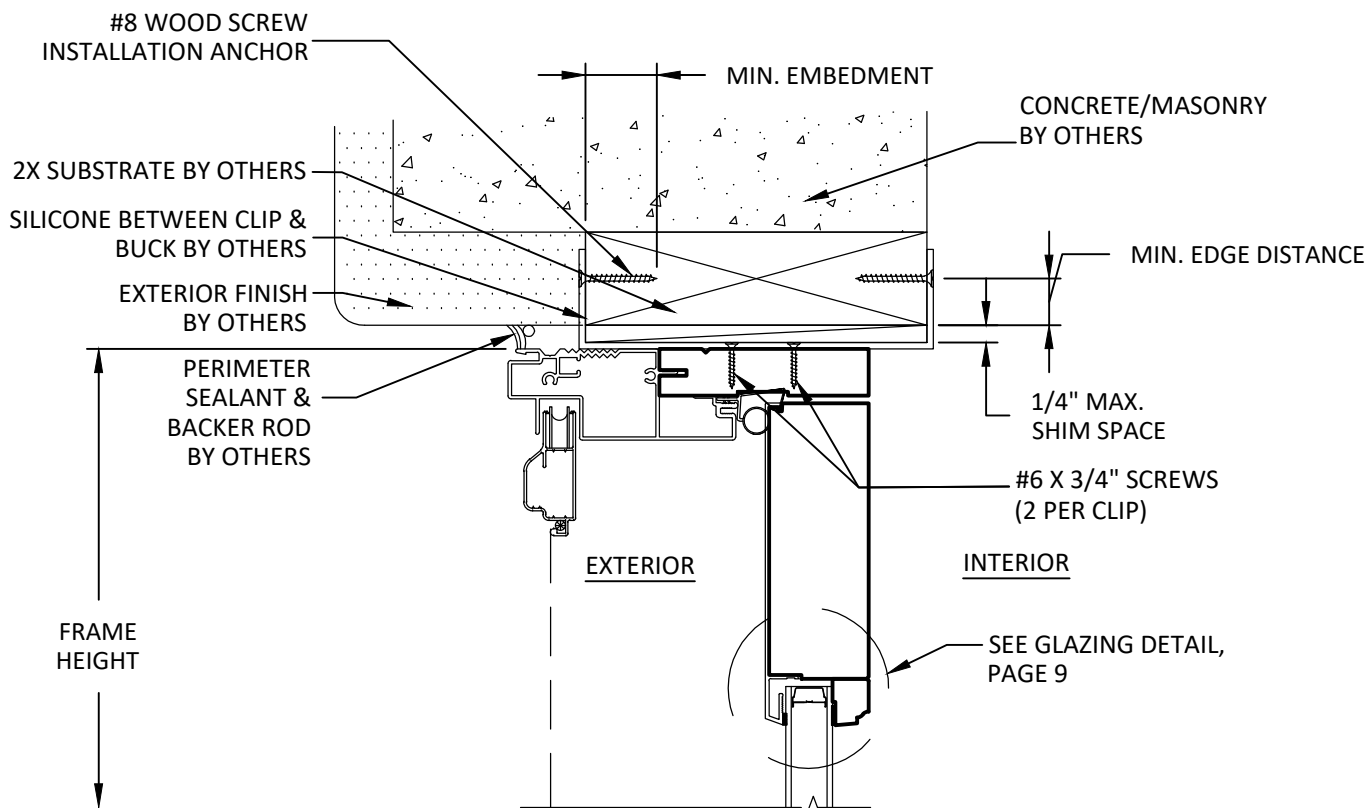
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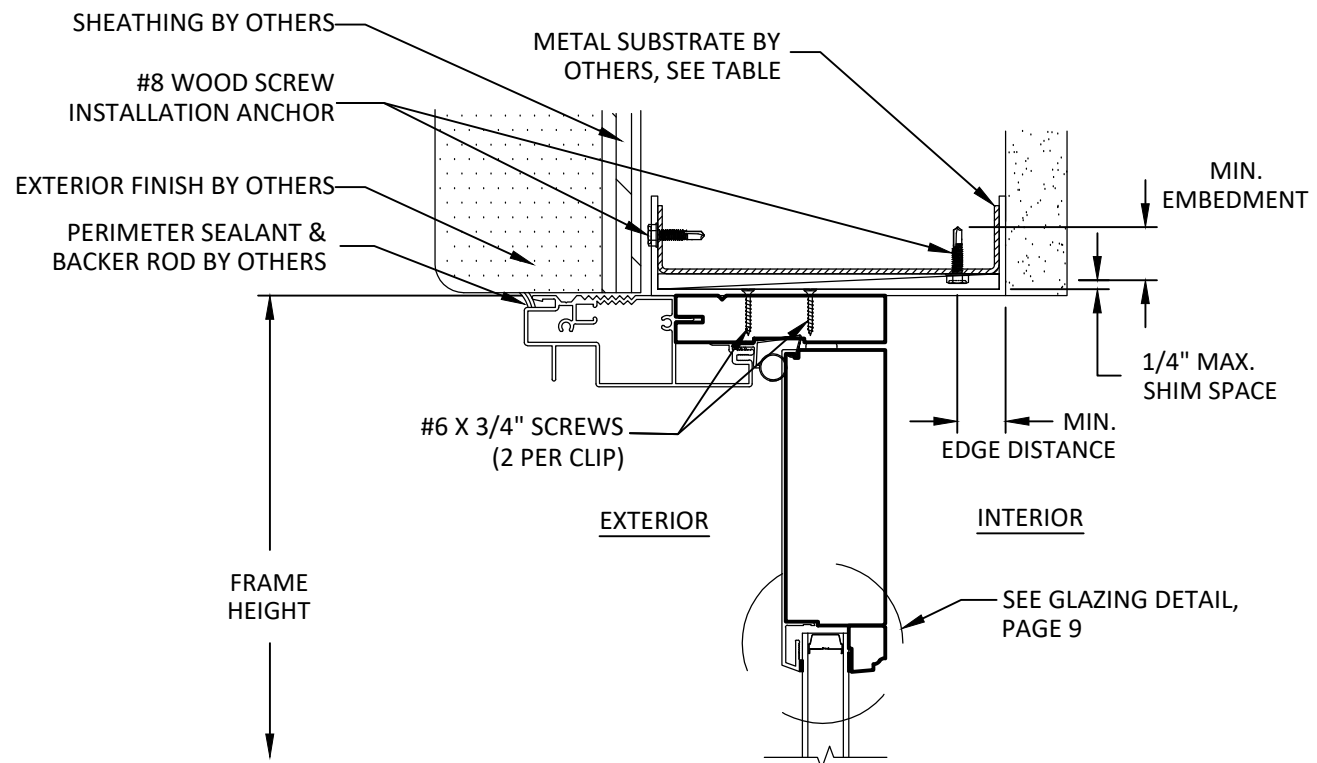
**A**  
**6** VERTICAL SECTION  
HEAD - THROUGH FRAME INSTALLATION



**B**  
**6** VERTICAL SECTION  
HEAD - THROUGH FRAME INSTALLATION



**C**  
**6** VERTICAL SECTION  
HEAD - CLIP INSTALLATION



**D**  
**6** VERTICAL SECTION  
HEAD - CLIP FRAME INSTALLATION



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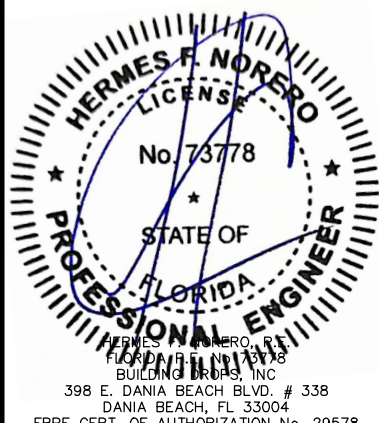
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INSWING DOOR  
(NON-HVHZ)(NON-IMPACT)  
INSTALLATION DETAILS &  
GLAZING DETAIL

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NARROW STILE	YC	01/20
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FL #:	<b>FL11573</b>
DATE:	<b>01.15.20</b>
DWG. BY:	<b>RV</b>
CHK. BY:	<b>HFN</b>
SCALE:	<b>NTS</b>
DWG. #:	<b>WWD032</b>
SHEET:	<b>6</b>



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

TITLE:



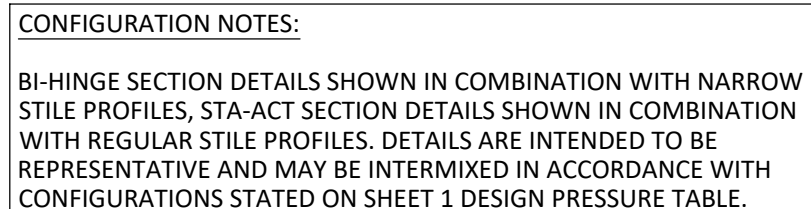
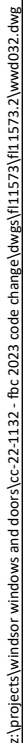
**Building Drops**

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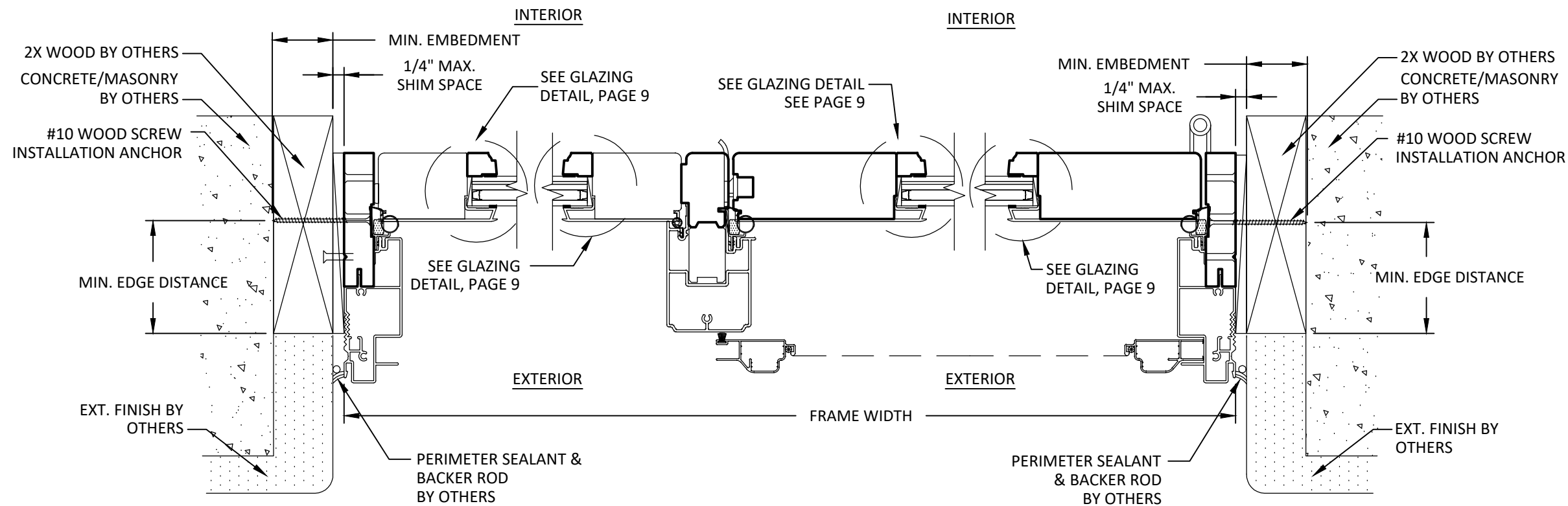


SHEET: \_\_\_\_\_

DF 9



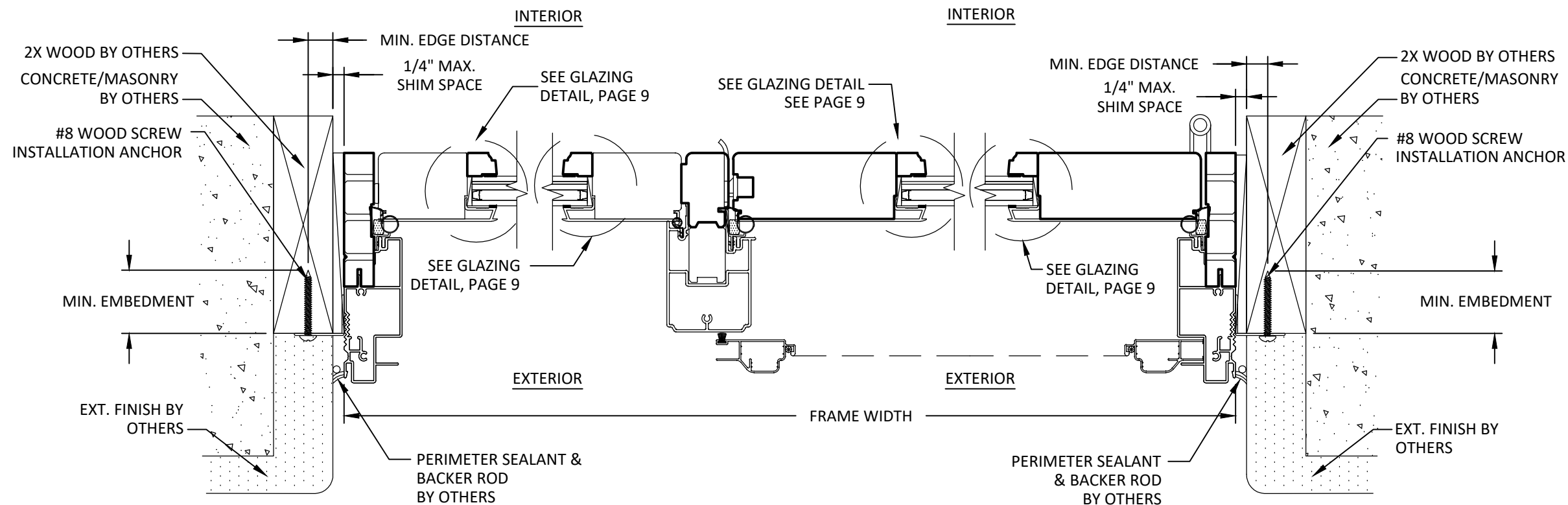
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**A** HORIZONTAL SECTION  
**8** JAMB - THROUGH FRAME INSTALLATION

**B** HORIZONTAL SECTION  
**8** STA-ACT ASTRAGAL

**C** HORIZONTAL SECTION  
**8** JAMB - THROUGH FRAME INSTALLATION



**D** HORIZONTAL SECTION  
**8** JAMB - NAIL FIN INSTALLATION

**E** HORIZONTAL SECTION  
**8** STA-ACT ASTRAGAL

**F** HORIZONTAL SECTION  
**8** JAMB - THROUGH FRAME INSTALLATION



WINDSOR WINDOWS  
& DOORS

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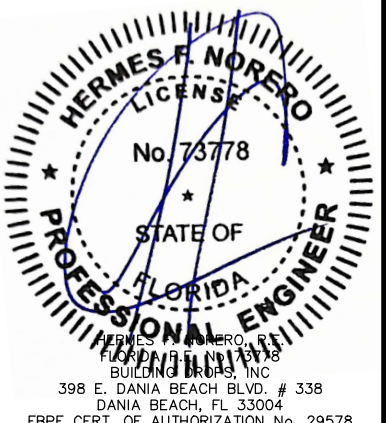
TITLE: PINNACLE CLAD  
INSLING DOOR  
(NON-HVHZ)(NON-IMPACT)  
INSTALLATION DETAILS &  
GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



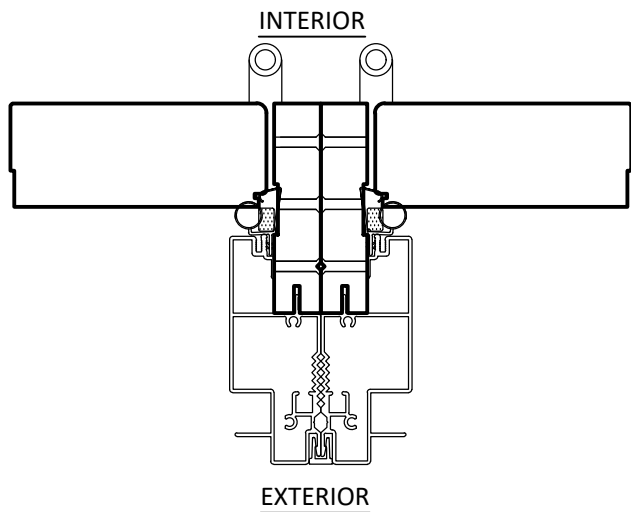
REMARKS	BY	DATE
NARROW STILE	YC	01/20
8TH FBC CODE CHANGE	MG	02/23

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FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED  
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC  
DOCUMENTS FOR USE WITH THIS DOCUMENT.

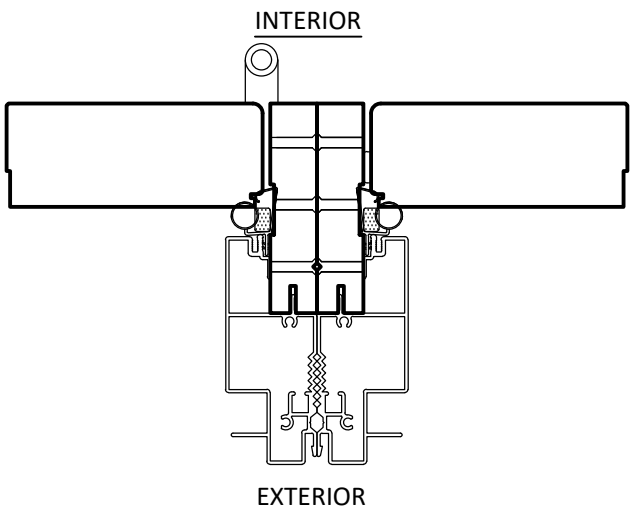


FL #:	FL11573
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SCALE:	NTS
DWG. #:	WWD032
SHEET:	8

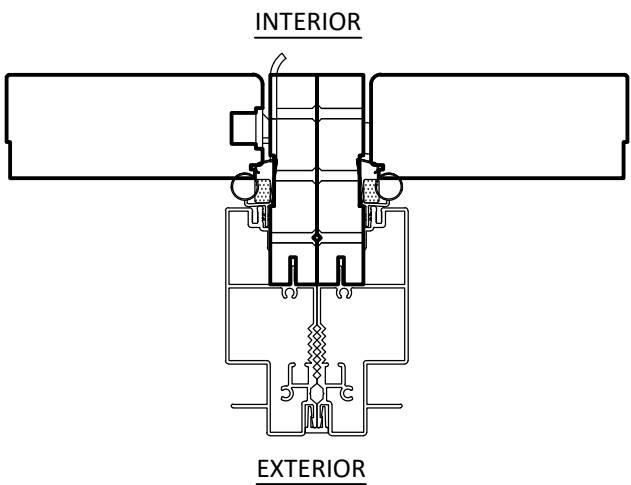




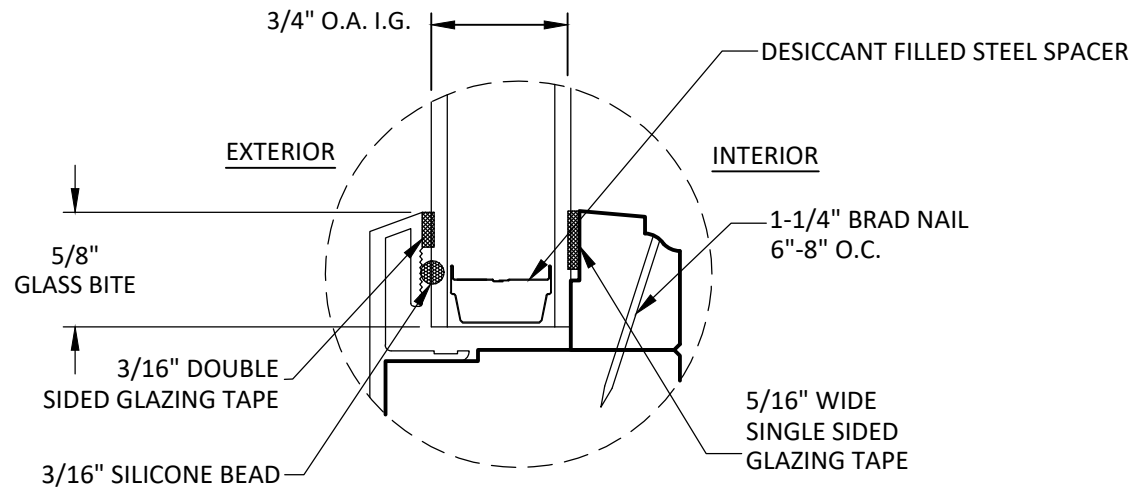
**BACK TO BACK MULLION**  
ACTIVE/ACTIVE



**BACK TO BACK MULLION**  
ACTIVE/INACTIVE



**BACK TO BACK MULLION**  
ACTIVE/INACTIVE



**GLAZING DETAIL**

**NOTES:**

- GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E 1300 REQUIREMENT GLASS CHARTS.
- \*FOR GLASS THICKNESS UP TO 3.9 mm, USE QUANEX FOAM SUPER SPACER IG SPACER, FOR GLASS THICKNESS OVER 3.9 mm USE CARDINAL ENDURE STAINLESS STEEL IG SPACER.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.



**WINDSOR WINDOWS  
& DOORS**

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

GLAZING DETAIL

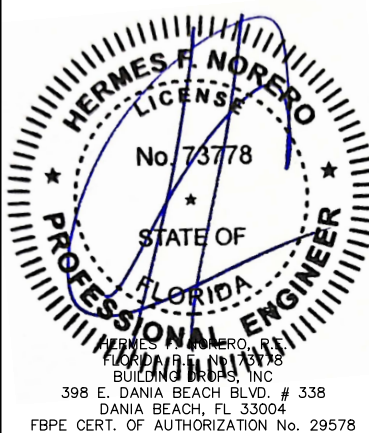
PREPARED BY: BUILDING DROPS, INC.

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