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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_y=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.

WINDSOR WINDOWS & DOORS

PINNACLE CLAD INSWING DOOR

(NON-IMPACT)

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
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		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
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

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	75.00"	119 ³ / ₈ "	36"	116.87"	+30/-30 PSF	XX
	75.00"	82 ¹ / ₂ "	36"	80.0"	+40/-40 PSF	XX
	72.00"	107 ³ / ₈ "	35"	105.00"	+30/-30 PSF	XX
	75.00"	95 ³ / ₈ "	36"	93.00"	+40/-40 PSF	XX
	72.00"	95 ³ / ₈ "	35"	93.00"	+50/-50 PSF	XX
	75.00"	95 ³ / ₈ "	36"	93.00"	+30/-30 PSF	XX
	72.00"	107 ³ / ₈ "	35"	105.00"	+30/-30 PSF	XX
	72.00"	95 ³ / ₈ "	35"	93.00"	+40/-40 PSF	XX
	75.00"	82 ³ / ₈ "	36"	80.00"	+30/-30 PSF	XX
	75.00"	119 ³ / ₈ "	36"	117.0"	+30/-30 PSF	XX
FRENCH	75.00"	95 ³ / ₈ "	36"	93.00"	+40/-40 PSF	XX
	75.00"	95 ³ / ₈ "	36"	93.00"	+40/-40 PSF	XX
	37 ³ / ₄ "	95 ³ / ₈ "	32 ¹ / ₂ "	92 ³ / ₄ "	+50/-50 PSF	X
NARROW STILE	75.00"	95 ³ / ₈ "	36"	92 ³ / ₄ "	+35/-35 PSF	XX
	72.00"	95 ³ / ₈ "	35"	92 ³ / ₄ "	+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-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

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.

HERMES F. NORERO, P.E.
FLORIDA P.E. 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

SHEET:

1

OF 9



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WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

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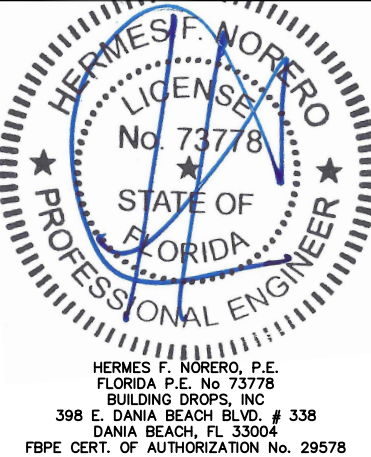
ELEVATIONS

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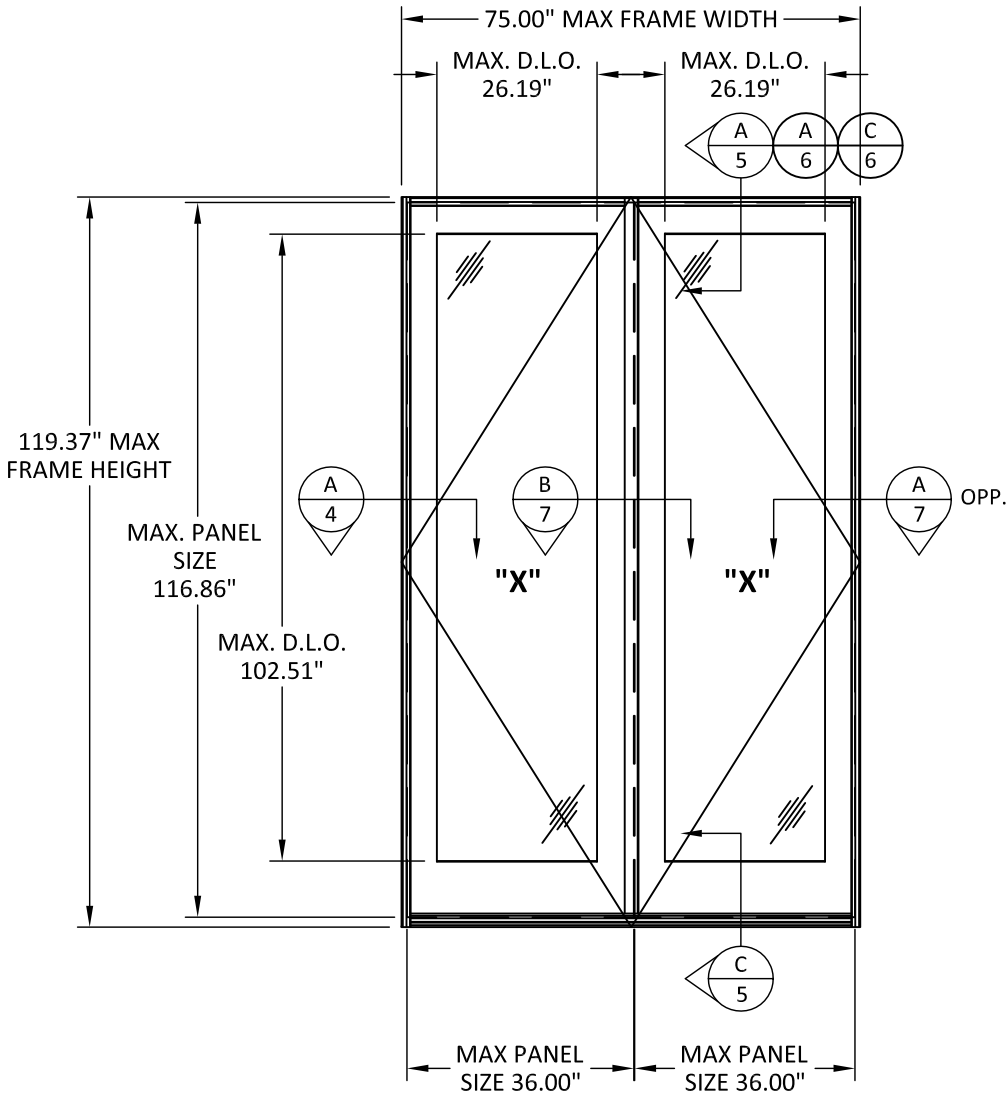
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SCALE: **NTS**

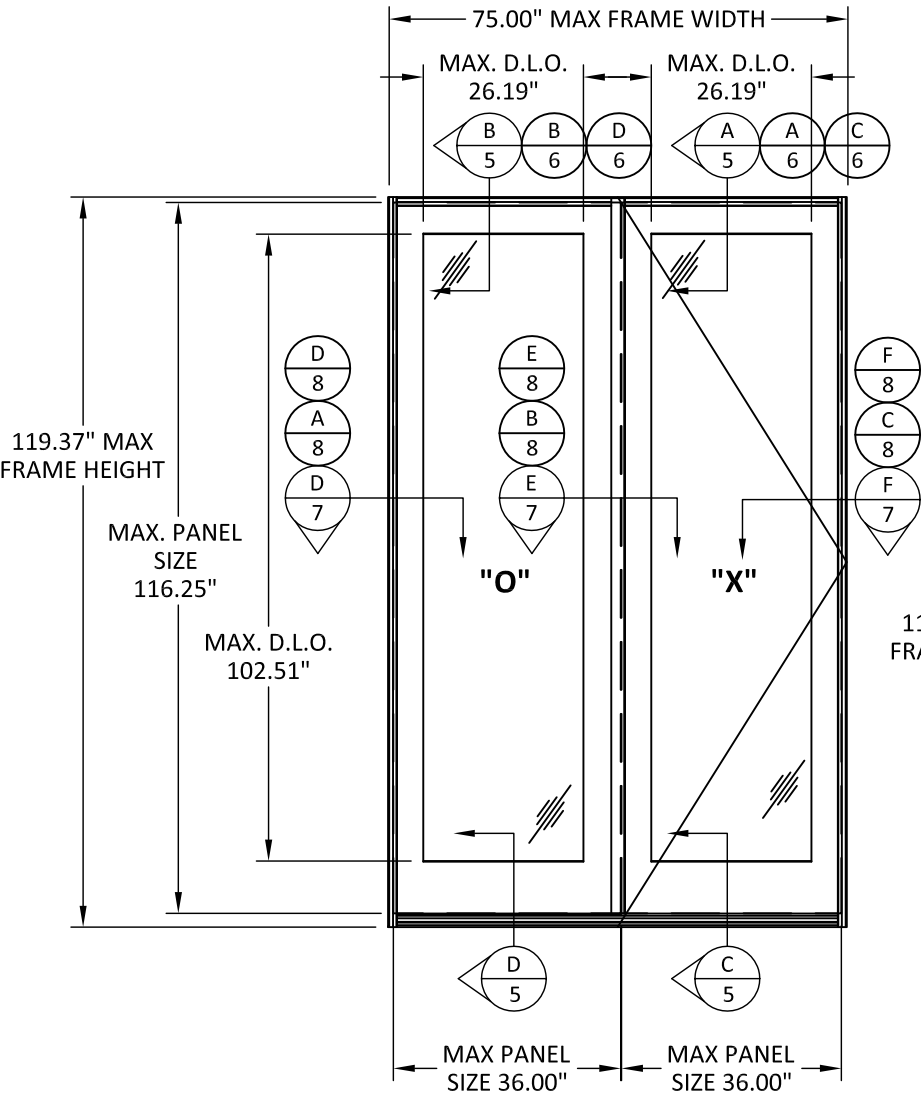
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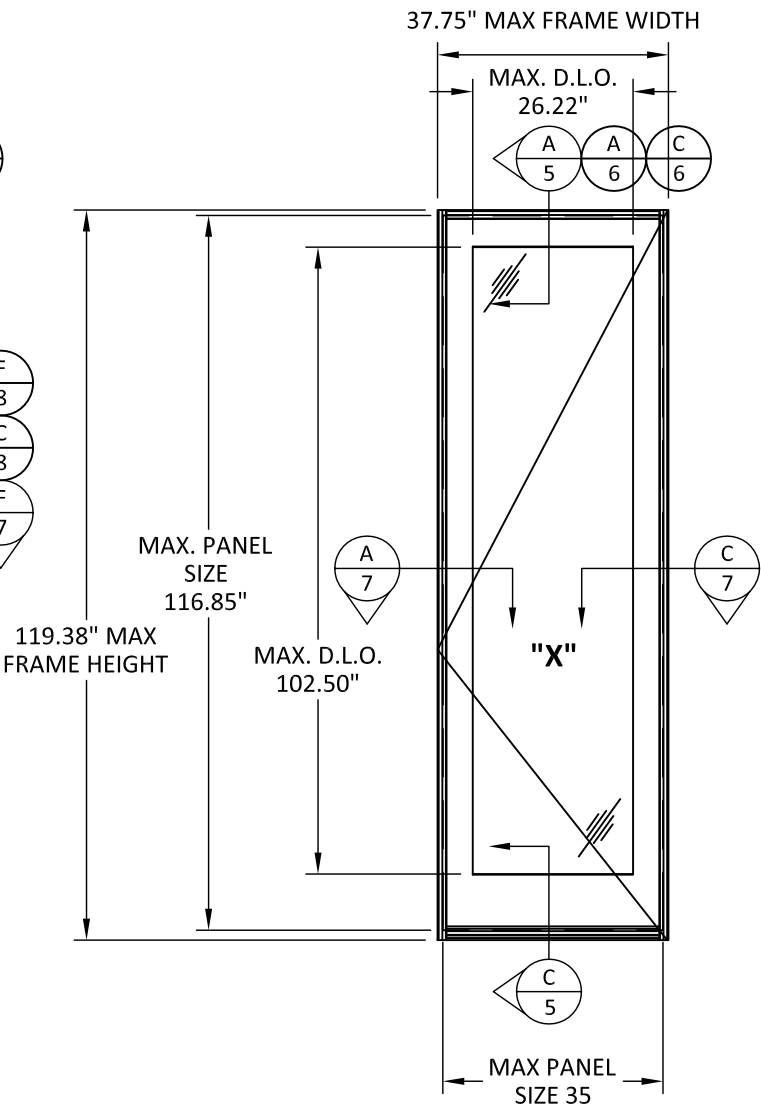
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**TYPICAL ELEVATION
BI-HINGE**



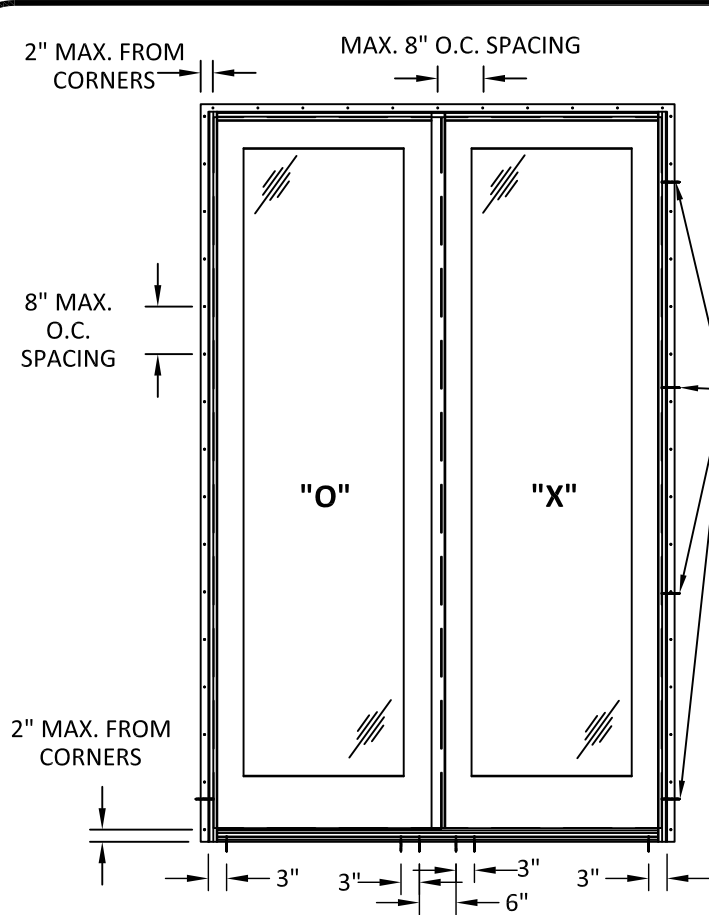
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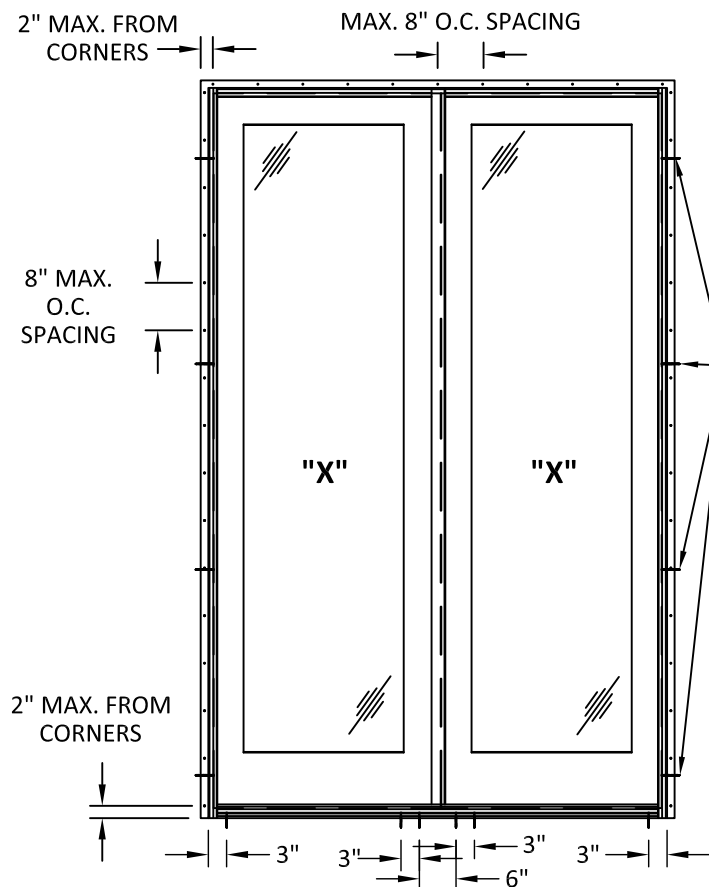
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SINGLE DOOR**

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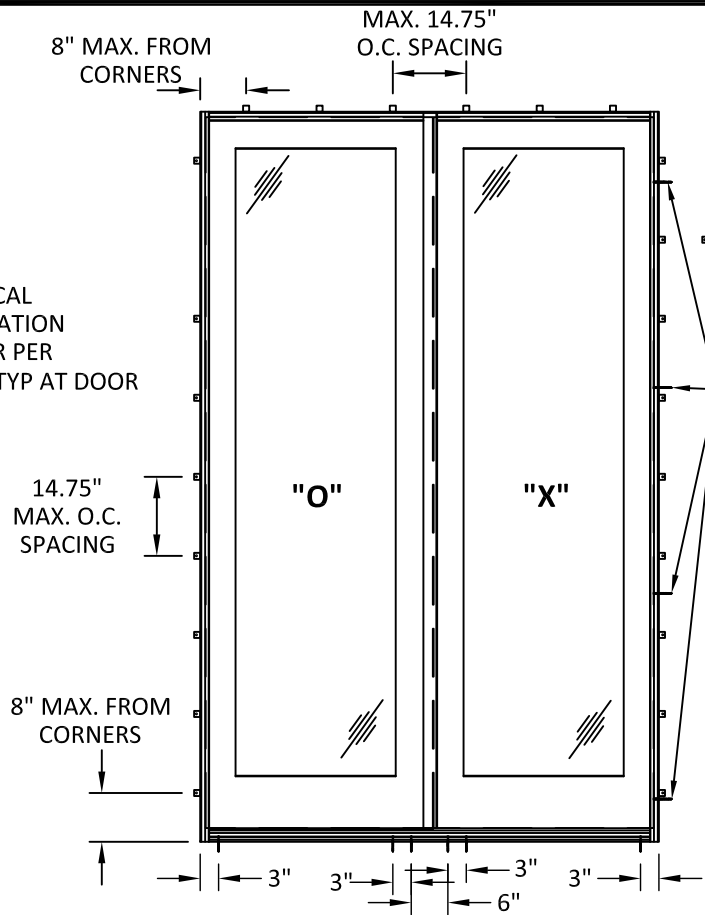
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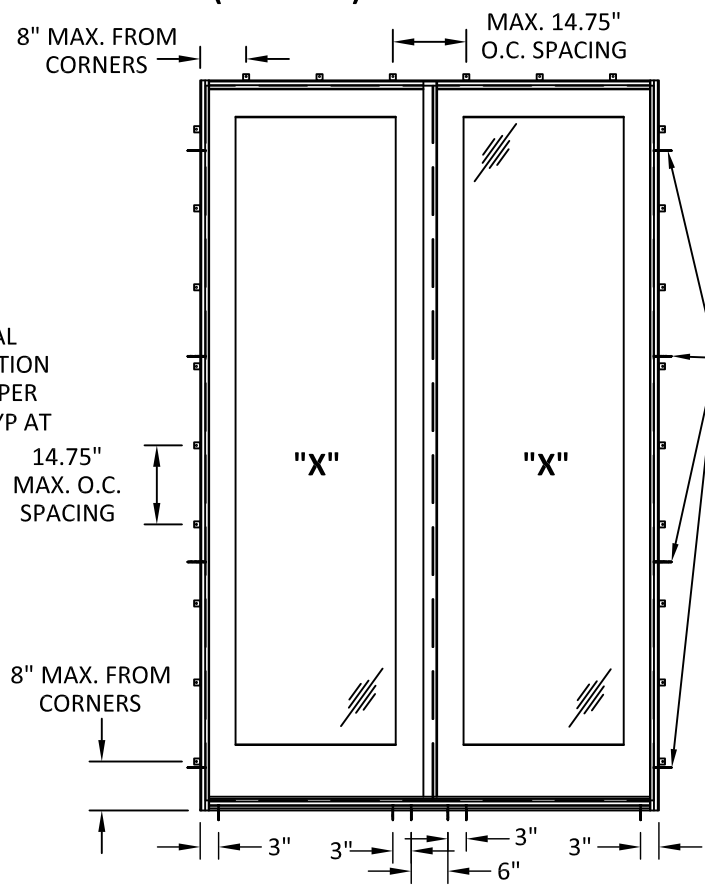
TYPICAL ANCHOR LAYOUT
(BI-HINGE) NAIL FIN



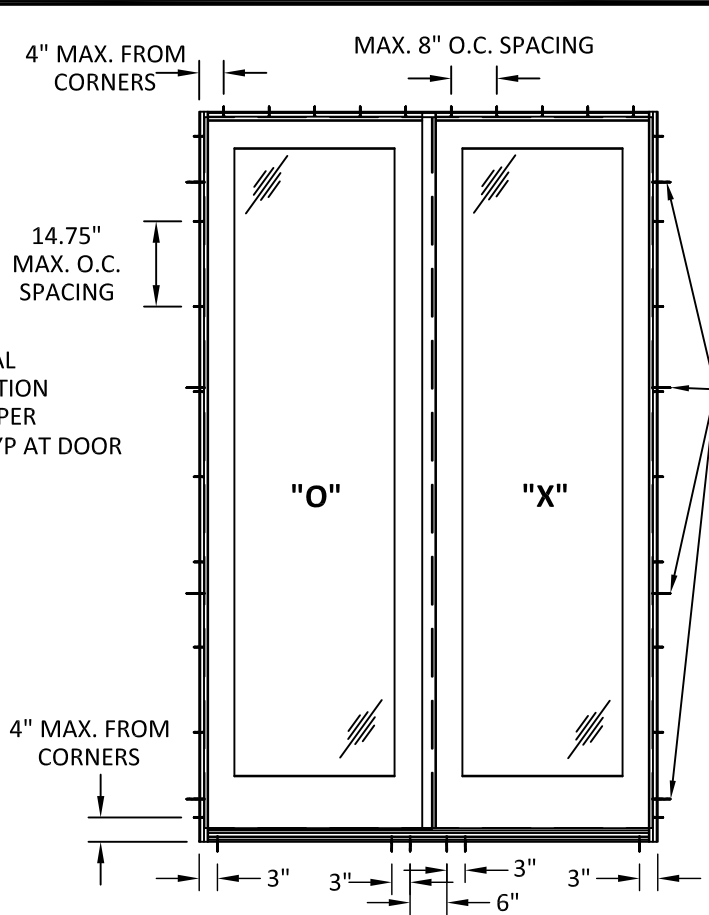
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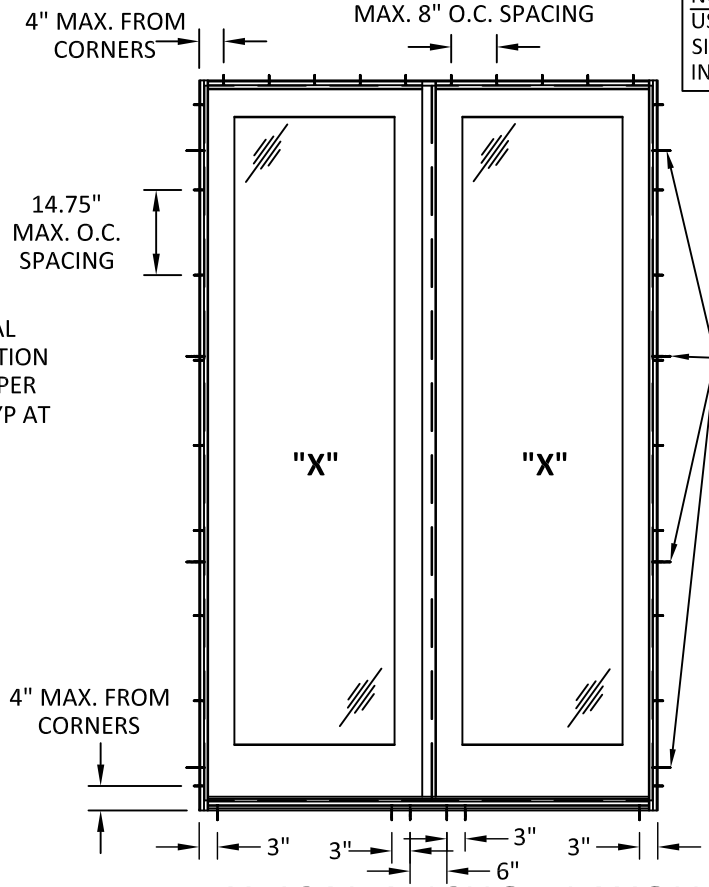
TYPICAL ANCHOR LAYOUT
(BI-HINGE) CLIP INSTALLATION



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
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PH: (515)223-6660 FAX: (515)224-1938

TITLE:
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DOOR (NON-IMPACT)

ANCHOR LAYOUT

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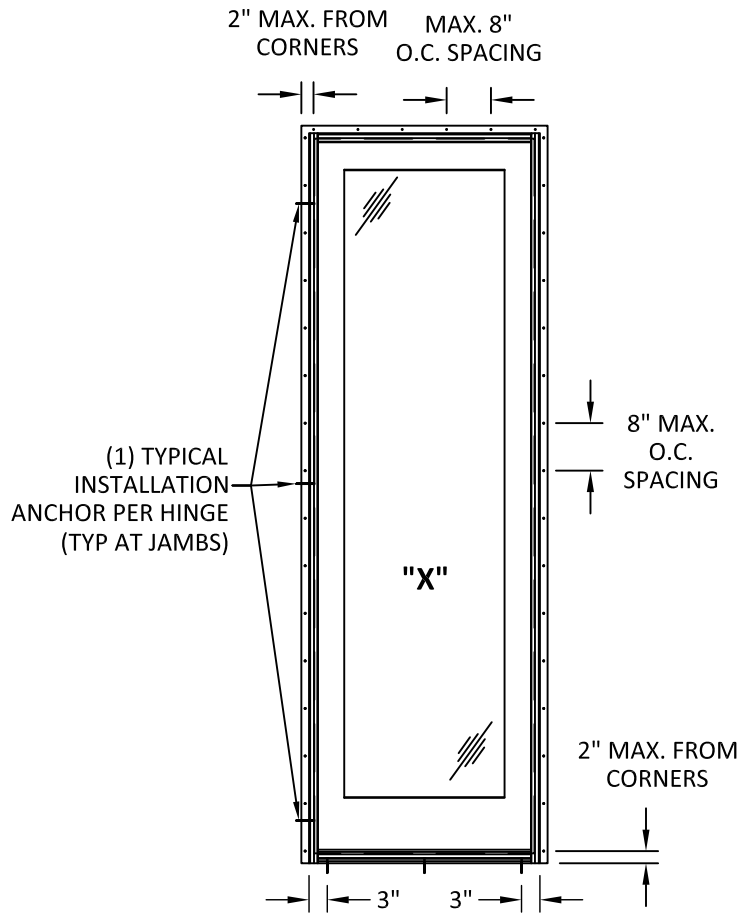
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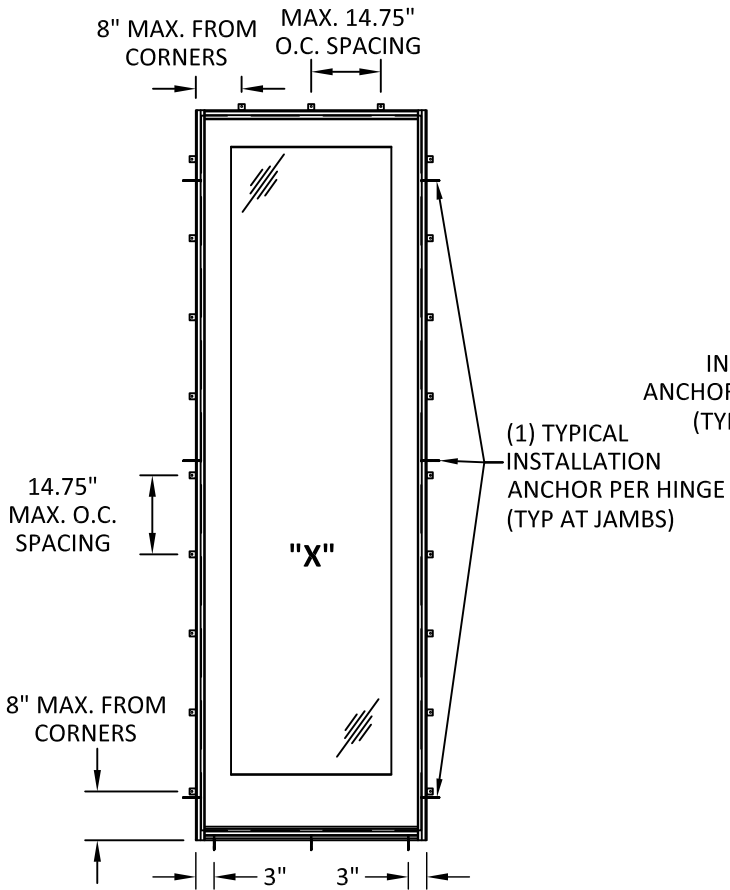
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SCALE:		NTS	
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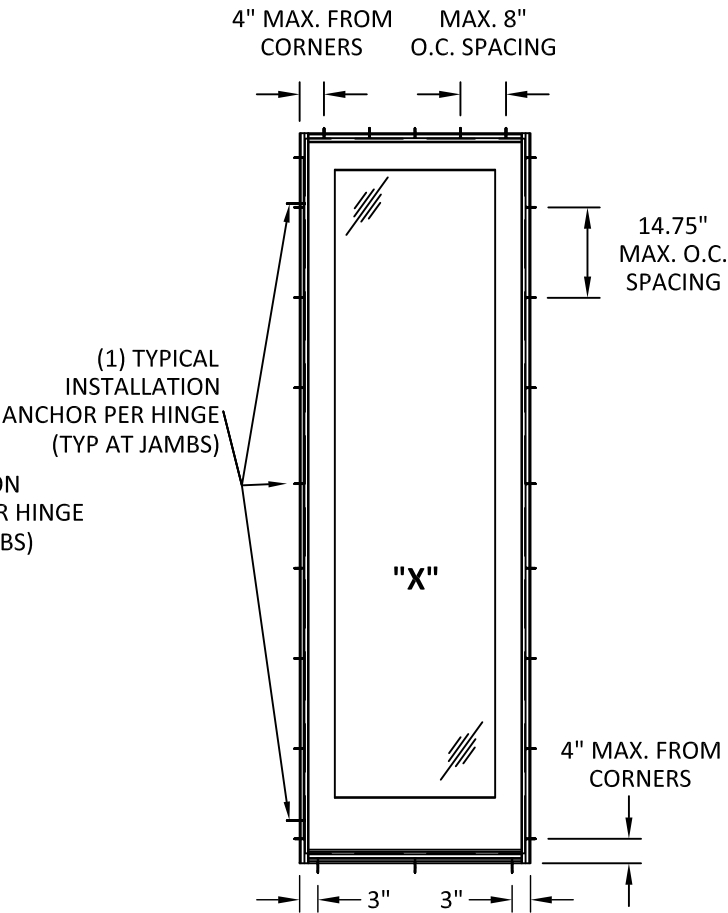
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TYPICAL ANCHOR LAYOUT
NAIL FIN



TYPICAL ANCHOR LAYOUT
CLIP INSTALLATION

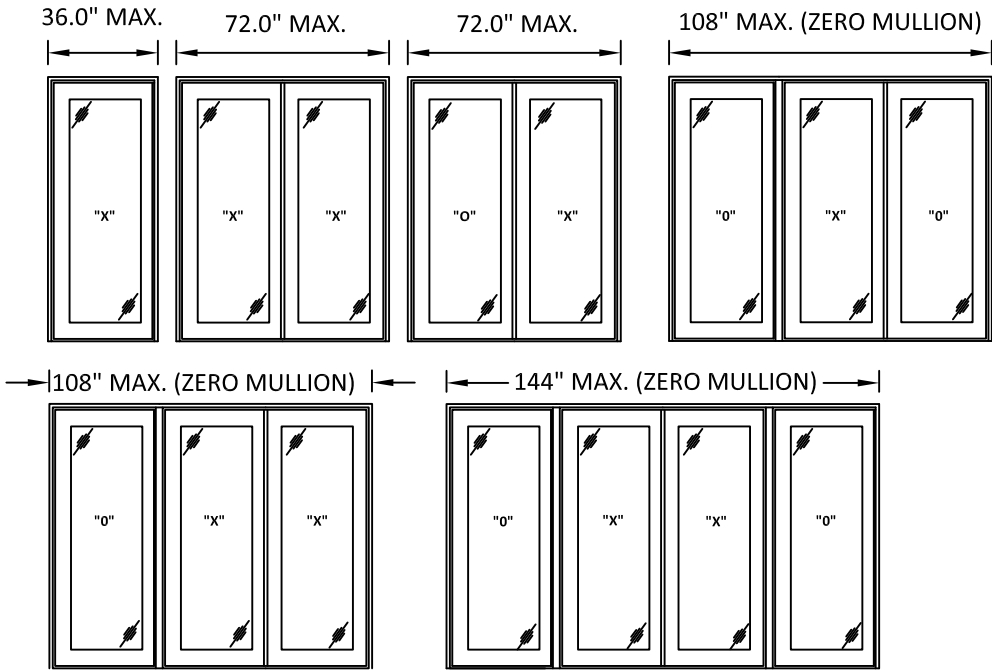


TYPICAL ANCHOR LAYOUT
TROUGH FRAME

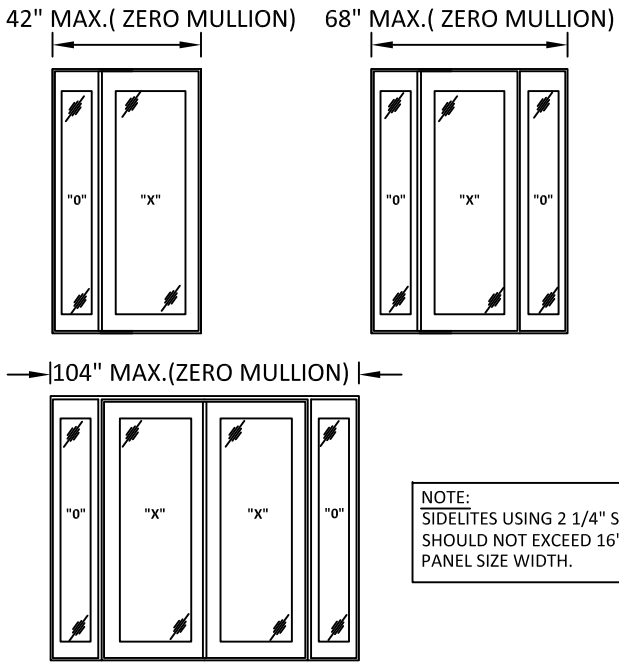
NOTE:
USE NAIL FIN AT HEAD AND
SIDE JAMBS, USE THRU FRAME
INSTALLATION METHOD AT SILL

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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DOOR (NON-IMPACT)

ANCHOR LAYOUT

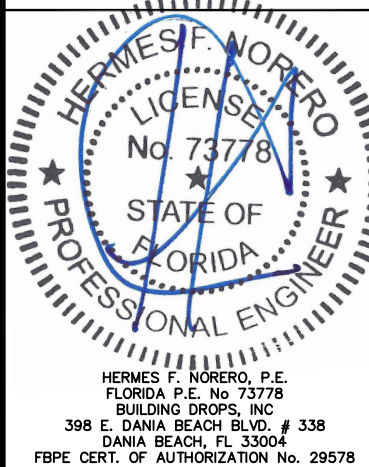
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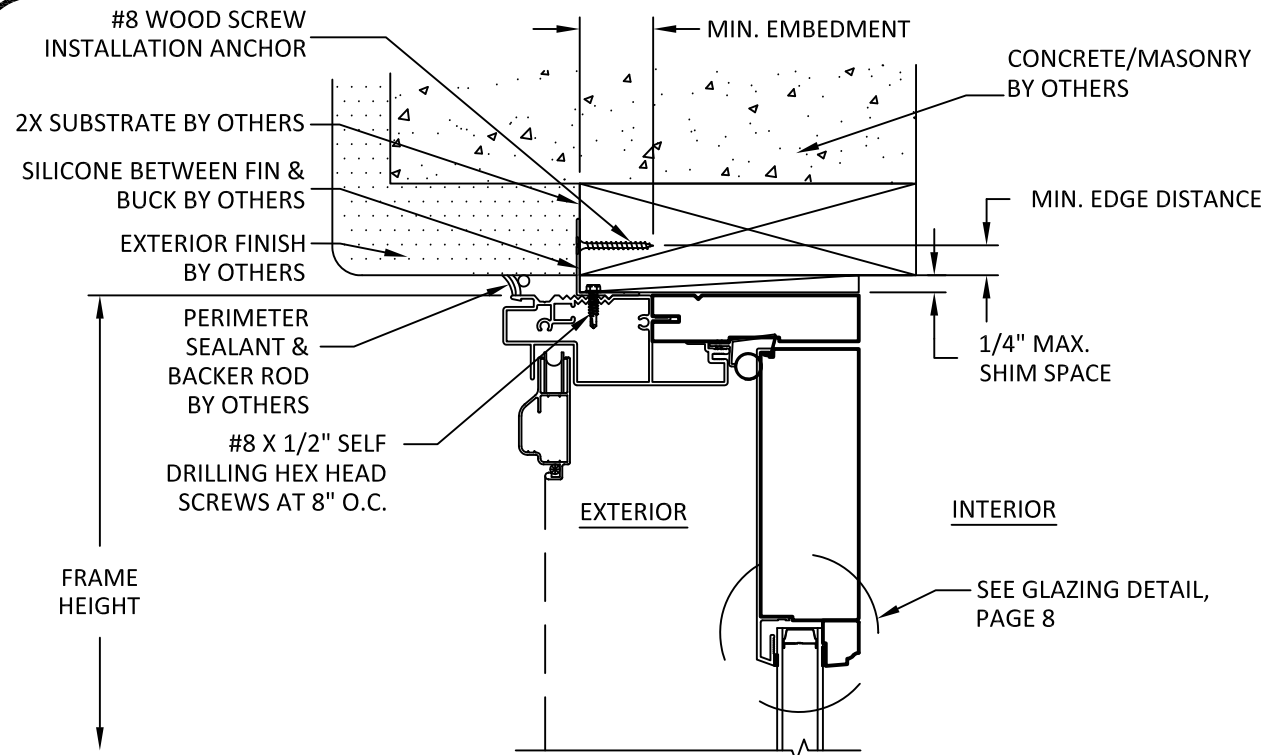
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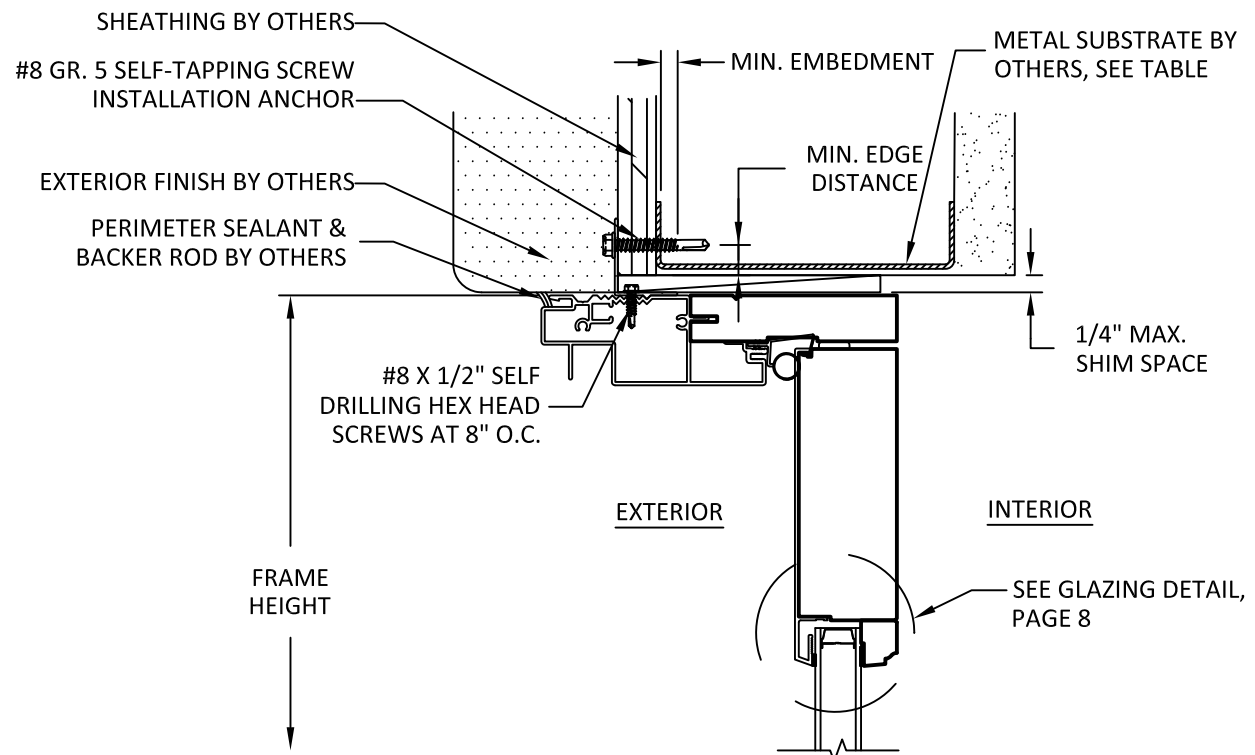
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A
5

VERTICAL SECTION

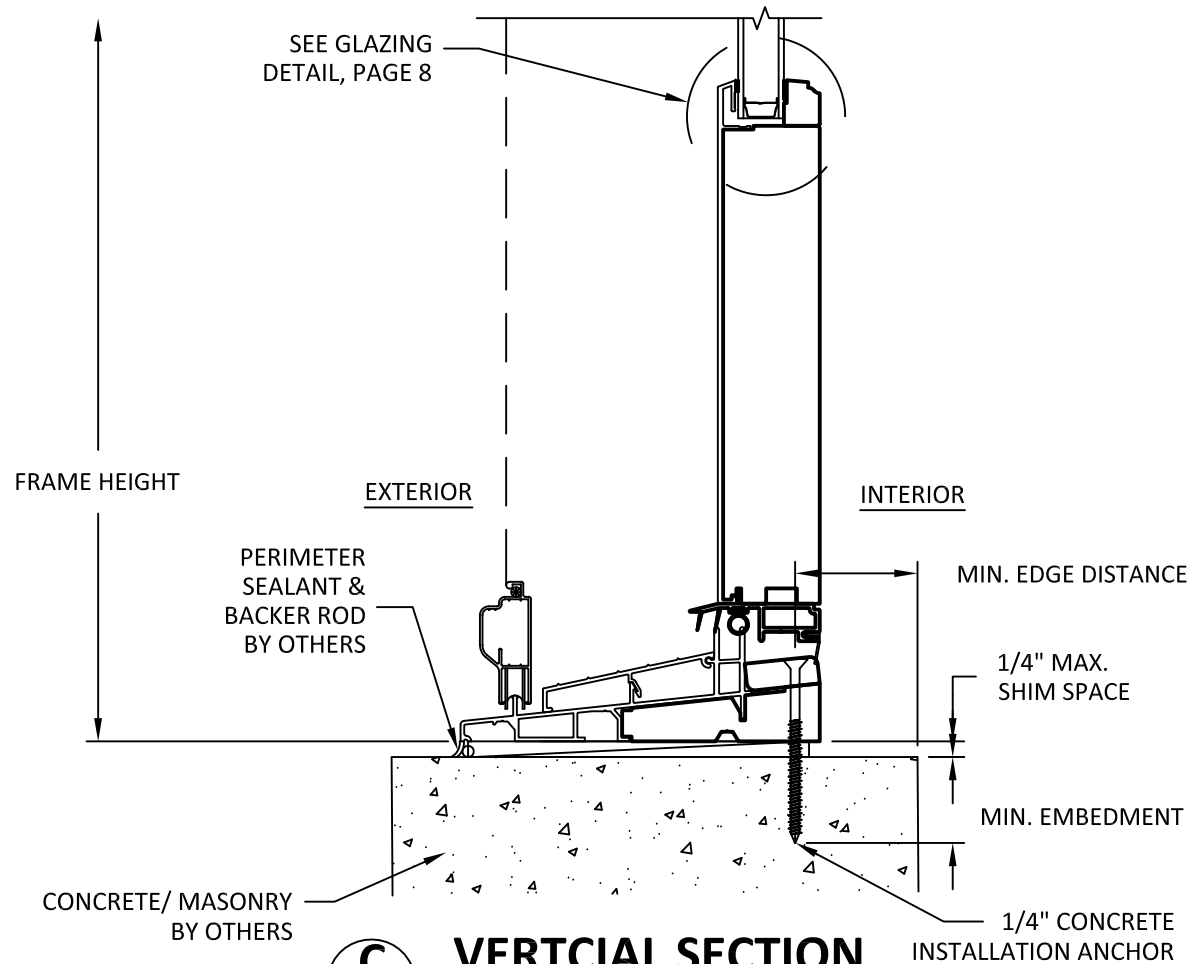
HEAD - FIN INSTALLATION



B
5

VERTICAL SECTION

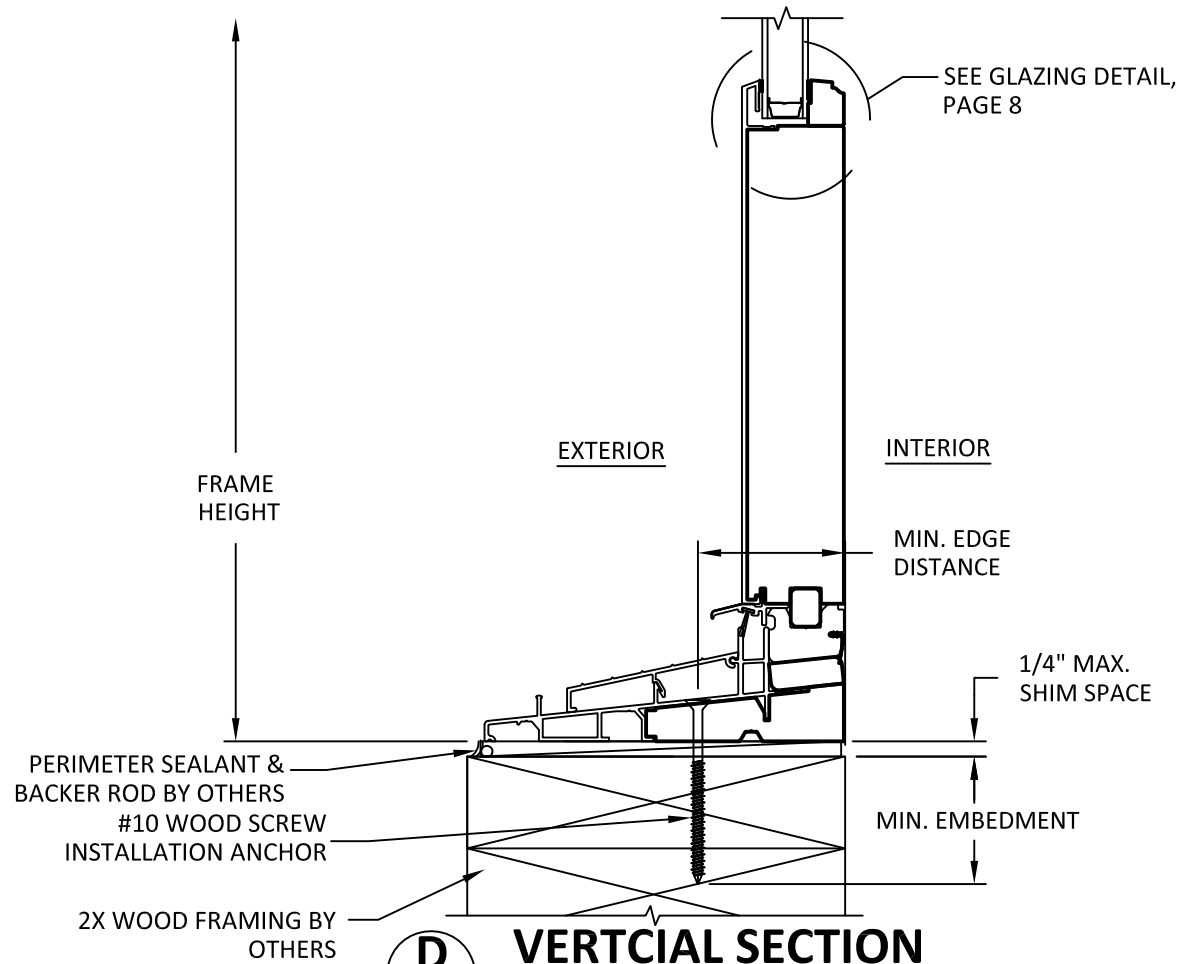
HEAD - FIN INSTALLATION



C
5

VERTICAL SECTION

SILL - STANDARD



D
5

VERTICAL SECTION

SILL - STATIONARY PANEL



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INSTALLATION DETAILS

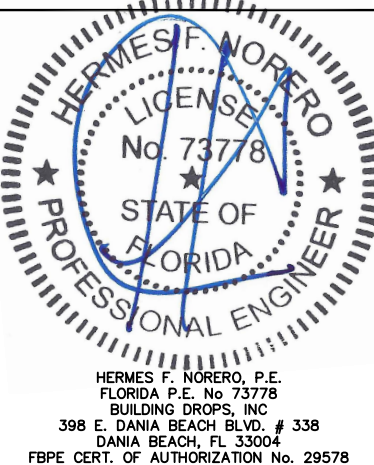
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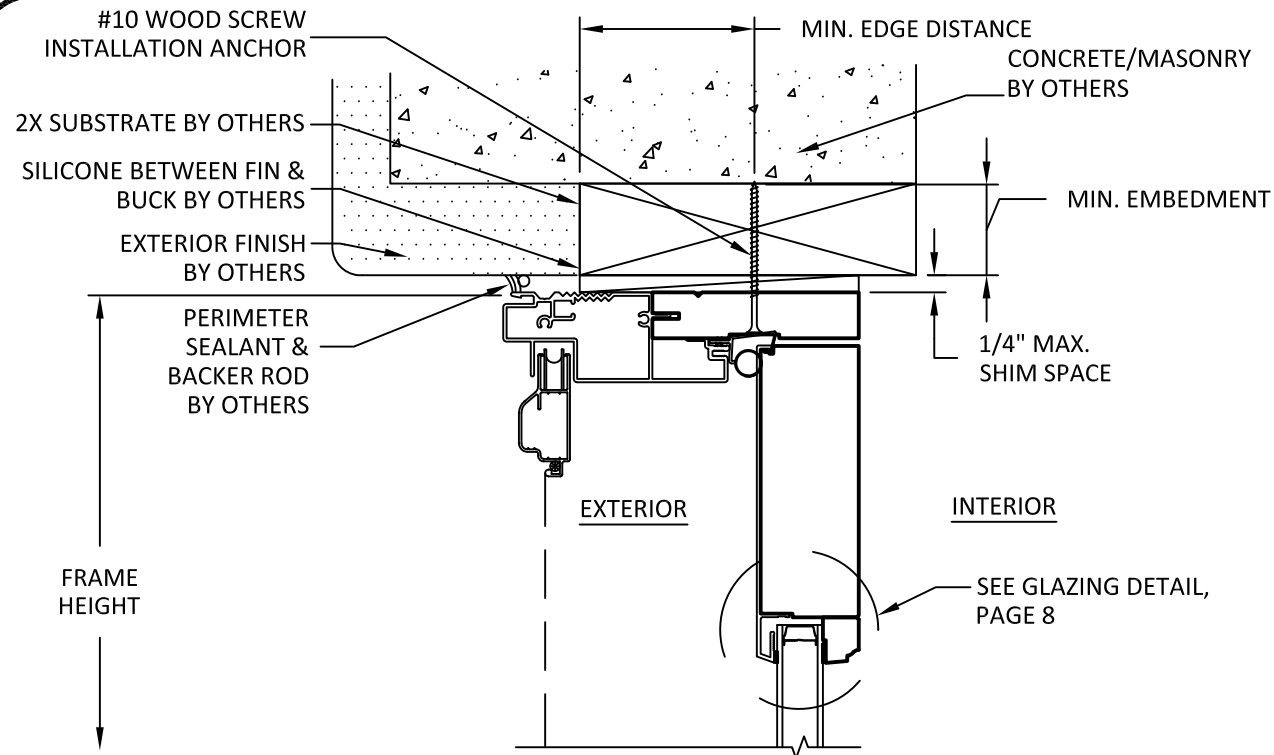
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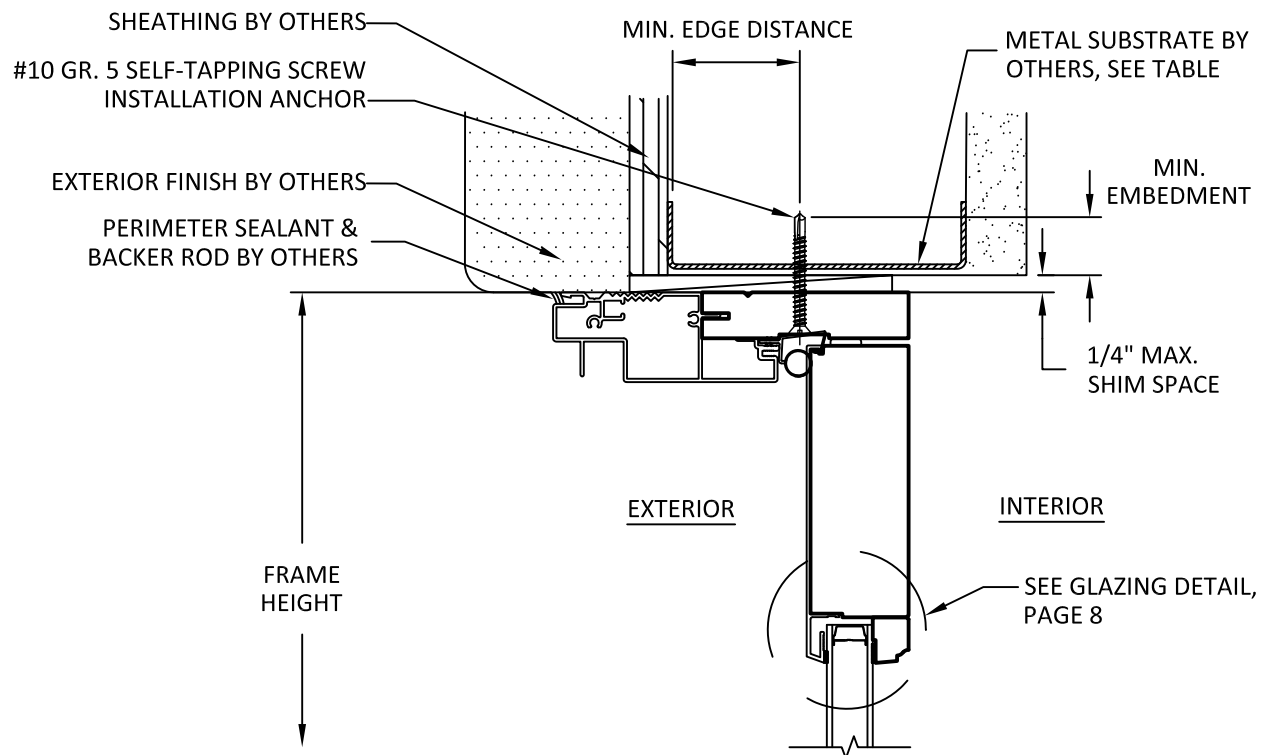
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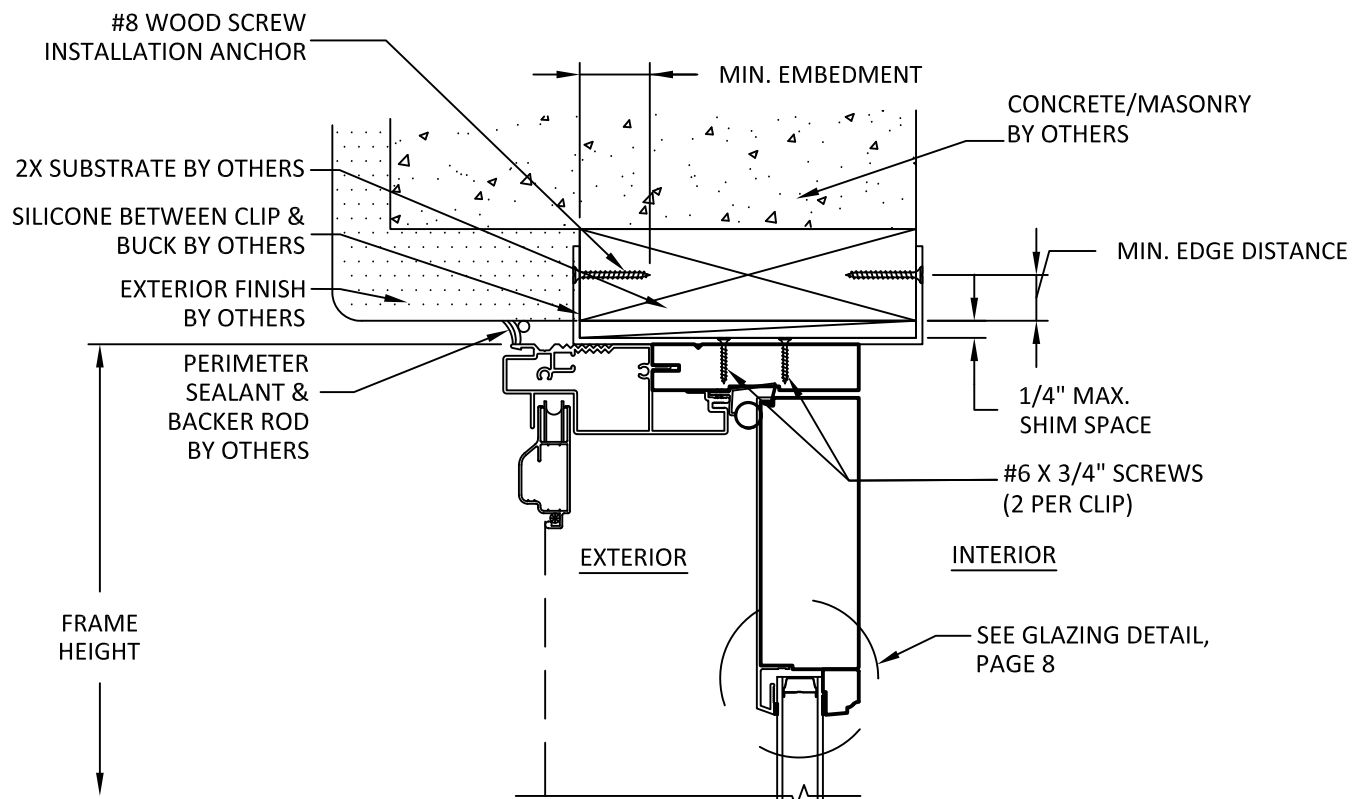
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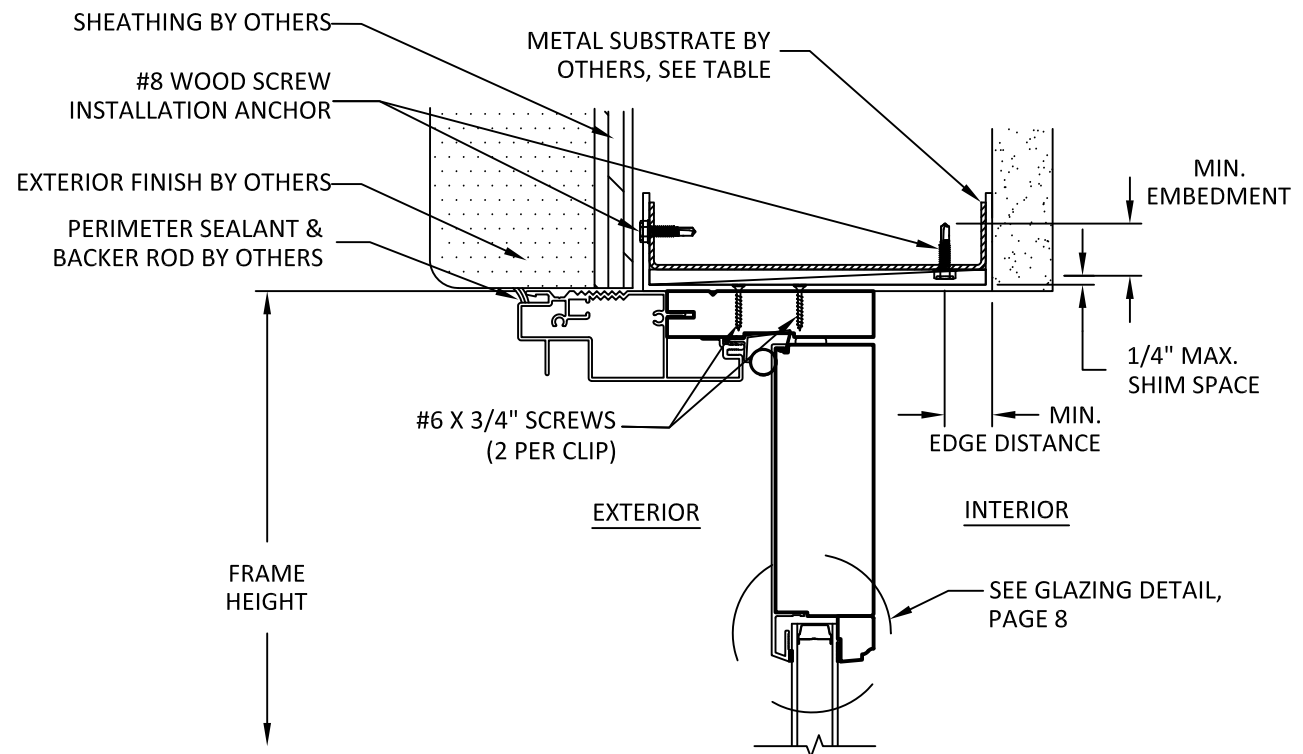
A
6 **VERTICAL SECTION**
HEAD - THROUGH FRAME INSTALLATION



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



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



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



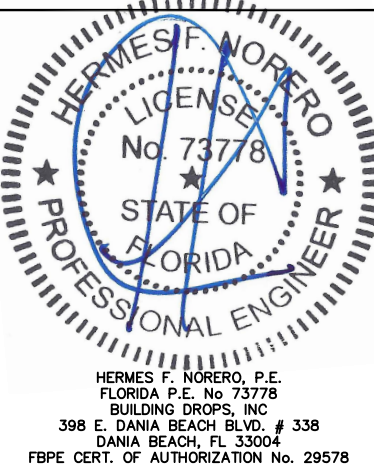
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INSTALLATION DETAILS &
GLAZING DETAIL

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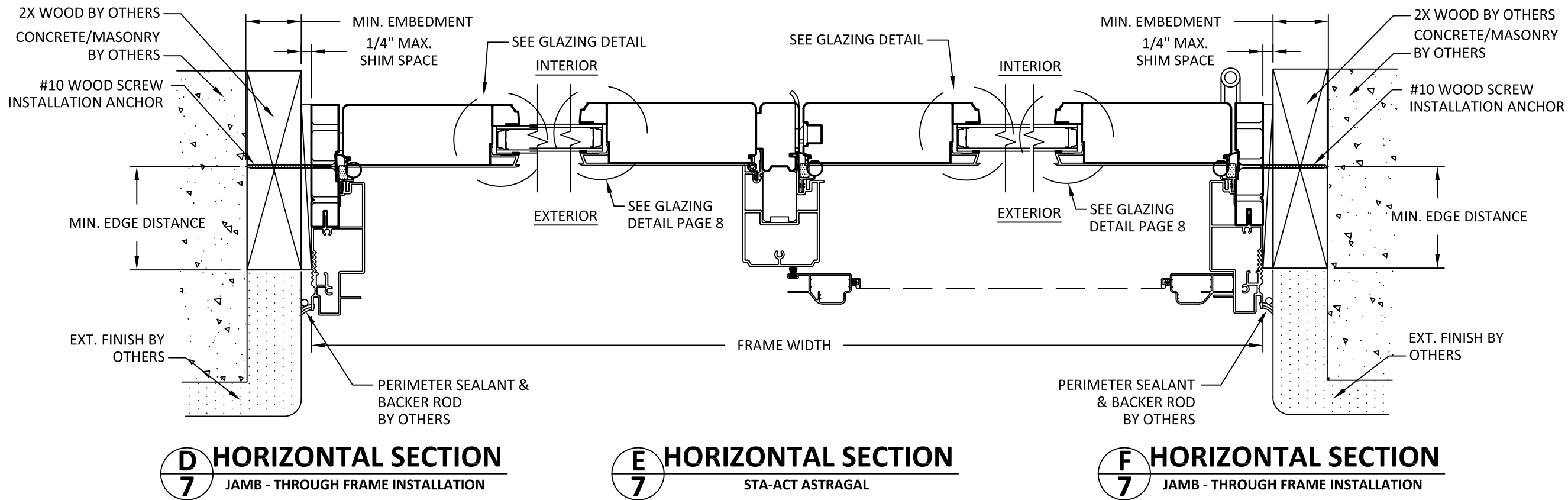
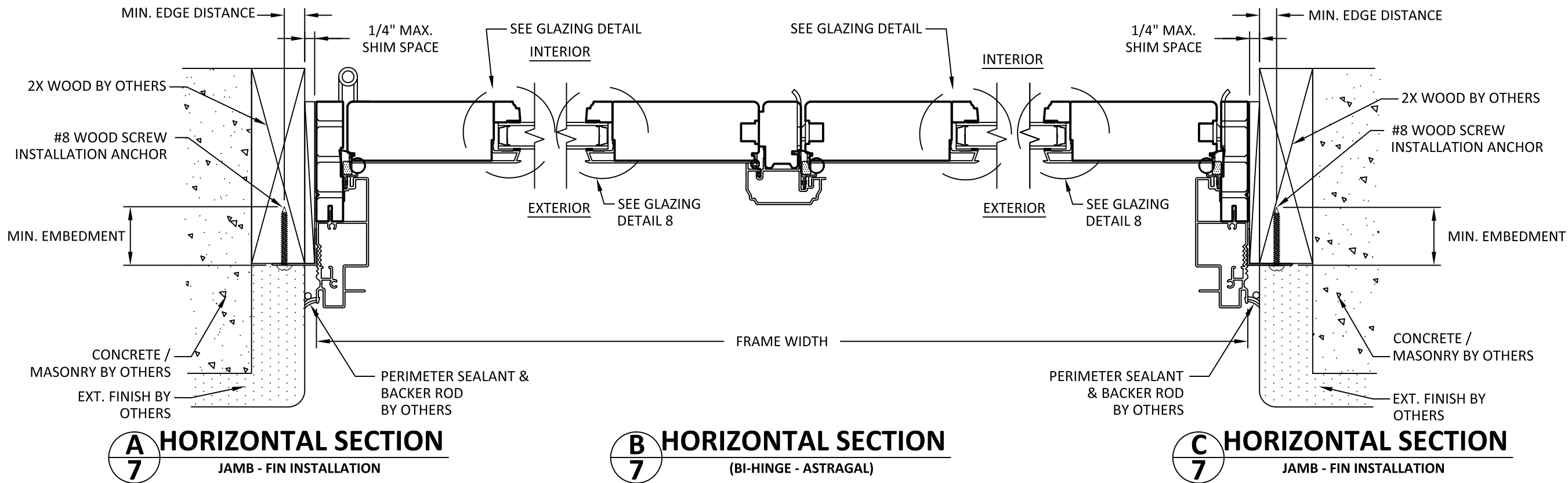
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CONFIGURATION NOTES:

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.



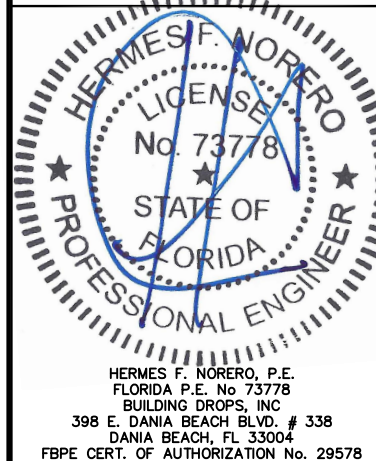
WINDSOR WINDOWS & DOORS
900 S. 19TH STREET.
WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

TITLE: PINNACLE CLAD INSWING DOOR (NON-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

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.



FL #:	FL11573
DATE:	01.15.20
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	WWD032
SHEET:	7

TITLE: PINNACLE CLAD INSWING
DOOR (NON-IMPACT)

INSTALLATION DETAILS &
GLAZING DETAIL

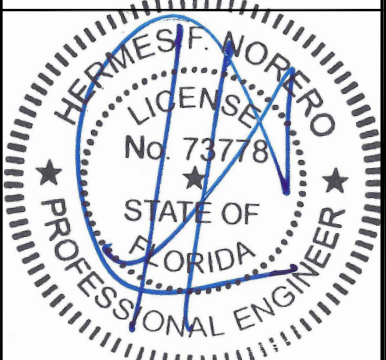
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FLORIDA P.E. No. 73778
BUILDING DROPS, INC
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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL11573**

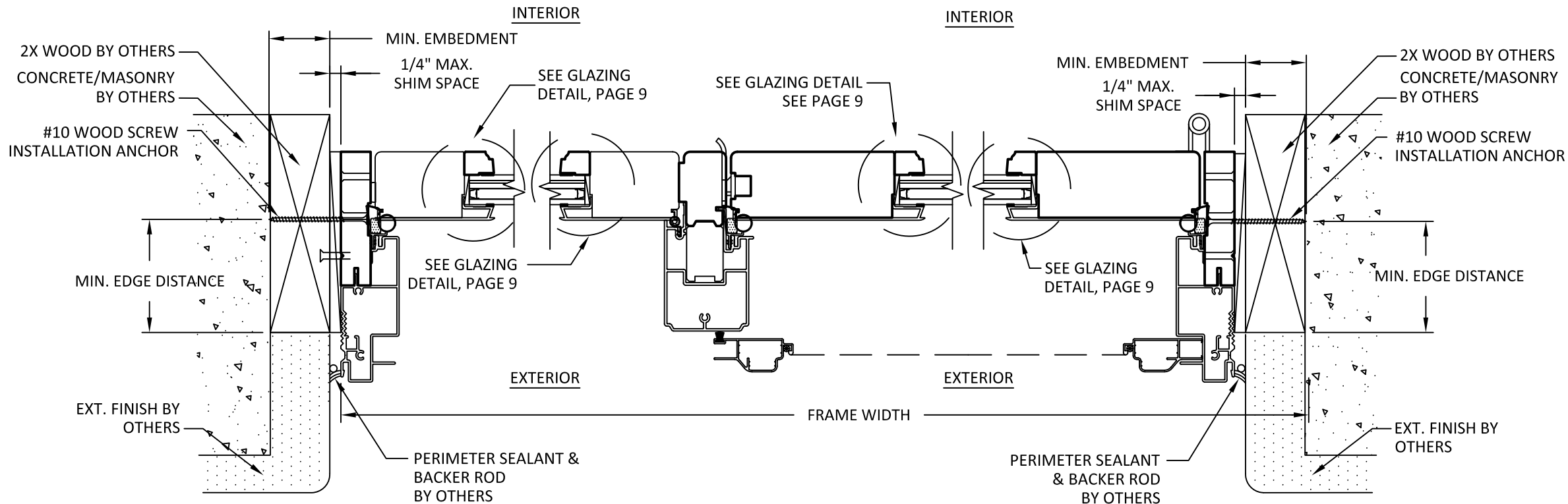
DATE: **01.15.20**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **WWD032**

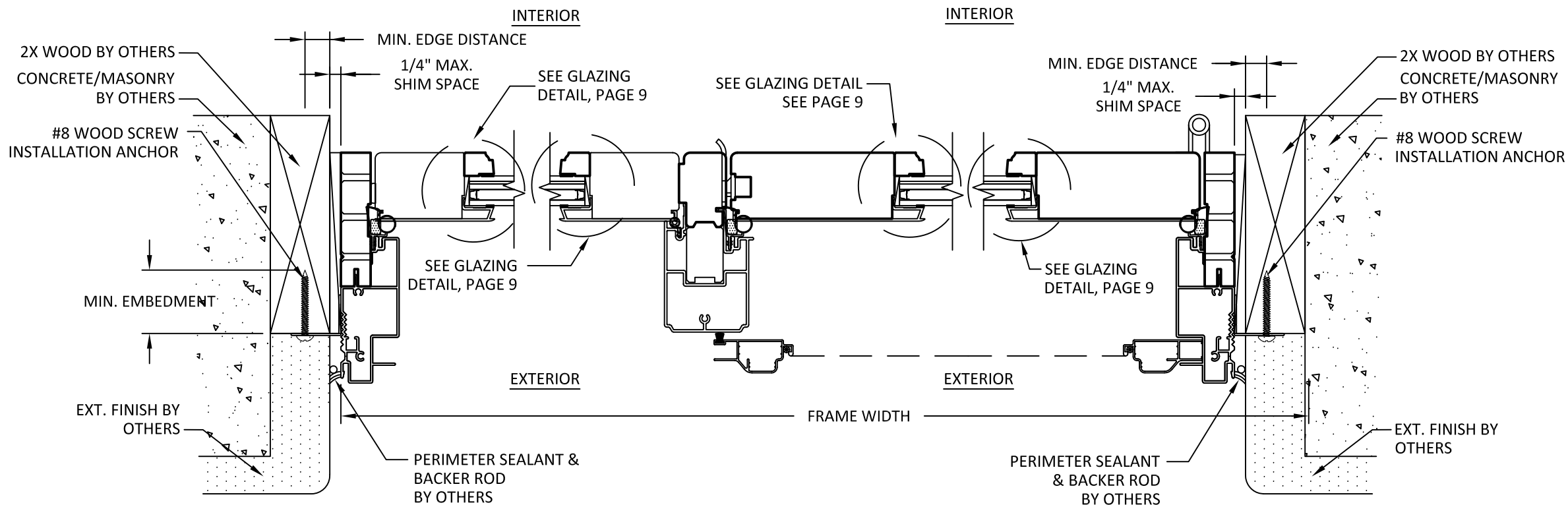
SHEET: **8**



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

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

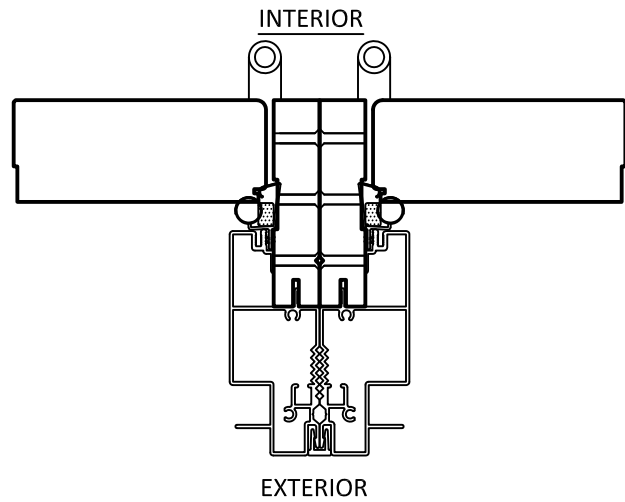
C **HORIZONTAL SECTION**
8 JAMB - THROUGH FRAME INSTALLATION



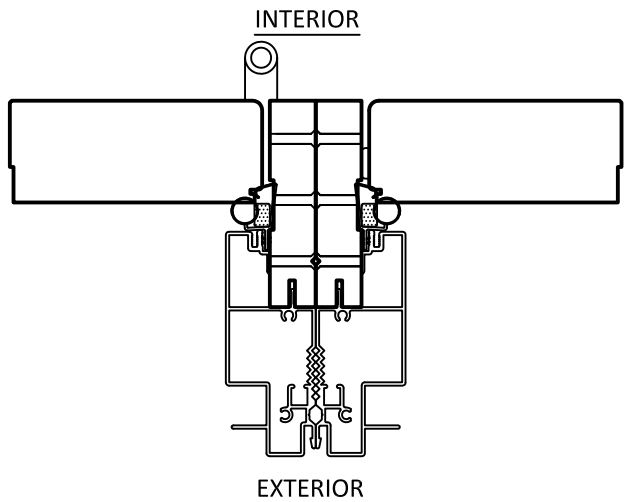
D **HORIZONTAL SECTION**
8 JAMB - NAIL FIN INSTALLATION

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

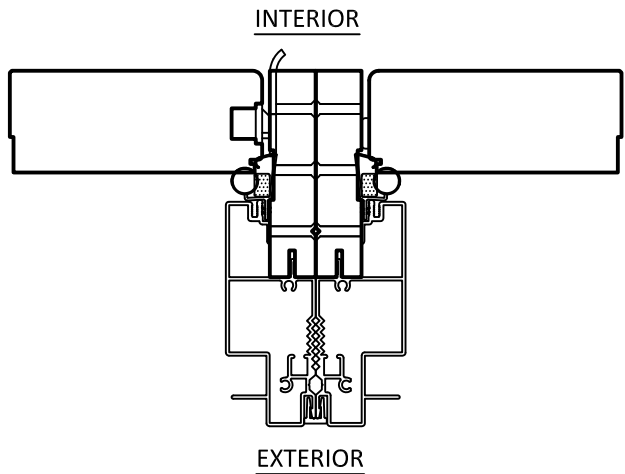
F **HORIZONTAL SECTION**
8 JAMB - THROUGH FRAME INSTALLATION



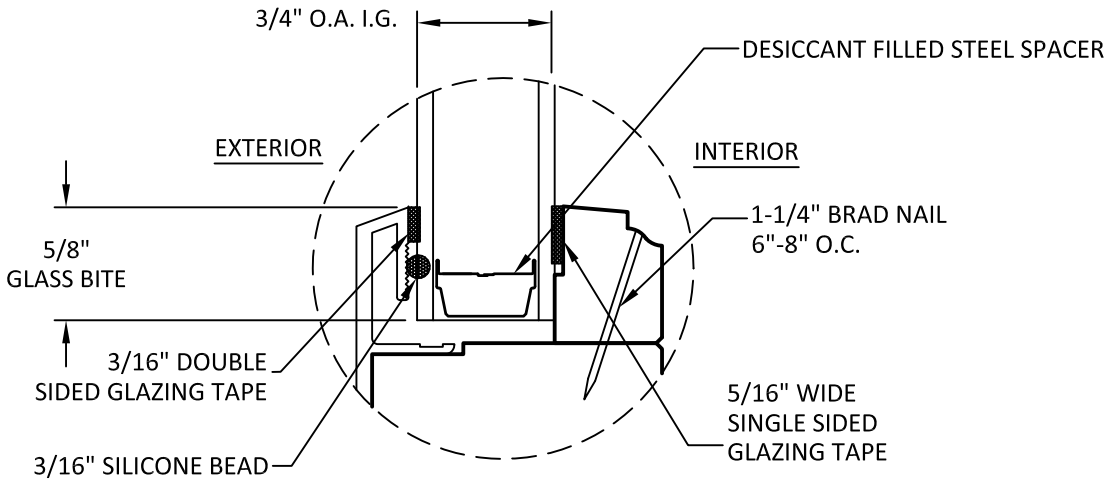
BACK TO BACK MULLION
ACTIVE/ACTIVE



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.



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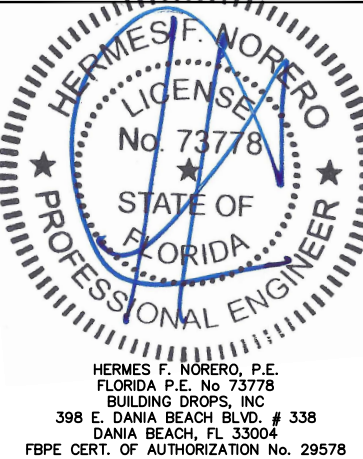
GLAZING DETAIL

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