

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.
- THROUGH FRAME: FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 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 3/4" MINIMUM EMBEDMENT.
- THROUGH FRAME: FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #12 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- CLIPS SHALL BE FASTENED TO THE WINDOW FRAME WITH (2) #10 X 5/8" SCREWS. CLIPS ARE 20 GAUGE (0.0281" THICKNESS) F'y=33 KSI MIN STEEL.
- CLIP ANCHOR: FOR INSTALLATION INTO METAL STUD USE (2) #10 GR. 5 SELF-TAPPING SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
- CLIP ANCHOR: FOR INSTALLATION INTO WOOD FRAMING USE (2) #10 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 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.
- NAIL FIN: FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME 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.

WINDSOR WINDOWS & DOORS

PINNACLE FRENCH CLAD WIND ZONE 3 IMPACT SLIDING DOOR

INSTALLATION NOTES CONTINUED:

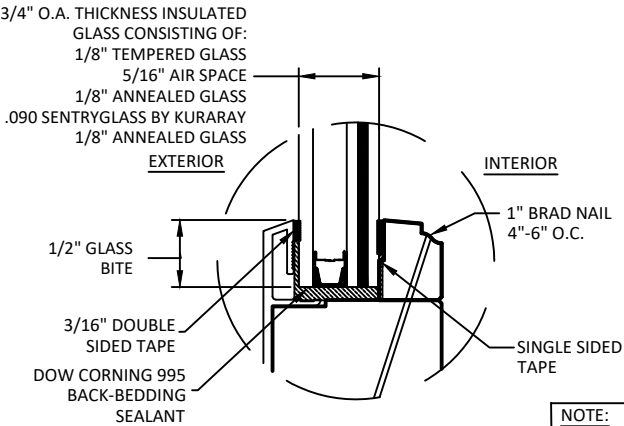
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. GROUT FILLED CMU - STRENGTH CONFORMANCE TO ASTM C90 MIN 2000 PSI.
 - D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS

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.2/A440-17
 - ASTM E 1886-13A
 - ASTM E 1996-14A
- 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 IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANT IN WIND ZONE 4
- DOOR FRAME MATERIAL:
 - 7.1. WOOD
 - 7.2. 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

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATIONS
3	-	ANCHOR LAYOUTS
4	-	VERTICAL SECTION
5	-	VERTICAL SECTION & GLAZING DETAIL
6	-	HORIZONTAL SECTION & GLAZING DETAIL

DESIGN PRESSURE TABLE					
TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIGURATION	PANEL TYPE	MISSILE IMPACT RATING
WIDTH	HEIGHT				
188.58	98.5	+50/-50 PSF	OXXO	FRENCH	MISSILE LEVEL D IMPACT WIND ZONE 3 IMPACT
95	98.5	+50/-50 PSF	OX	FRENCH	



NOTE:
GLASS THICKNESS AND TYPE COMPLY WITH ASTM E 1300-04 GLASS CHART REQUIREMENTS AND FBC SAFETY GLAZING REQUIREMENTS.

GLAZING DETAIL 1



WINDSOR WINDOWS & DOORS

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

TITLE: PINNACLE FRENCH CLAD SLIDING DOOR (IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

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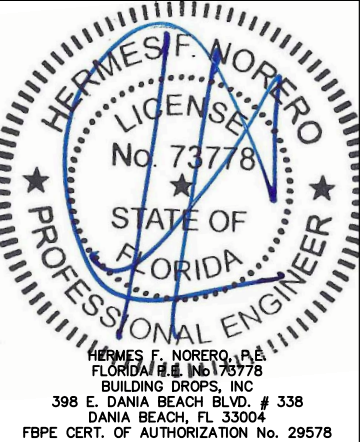


REMARKS

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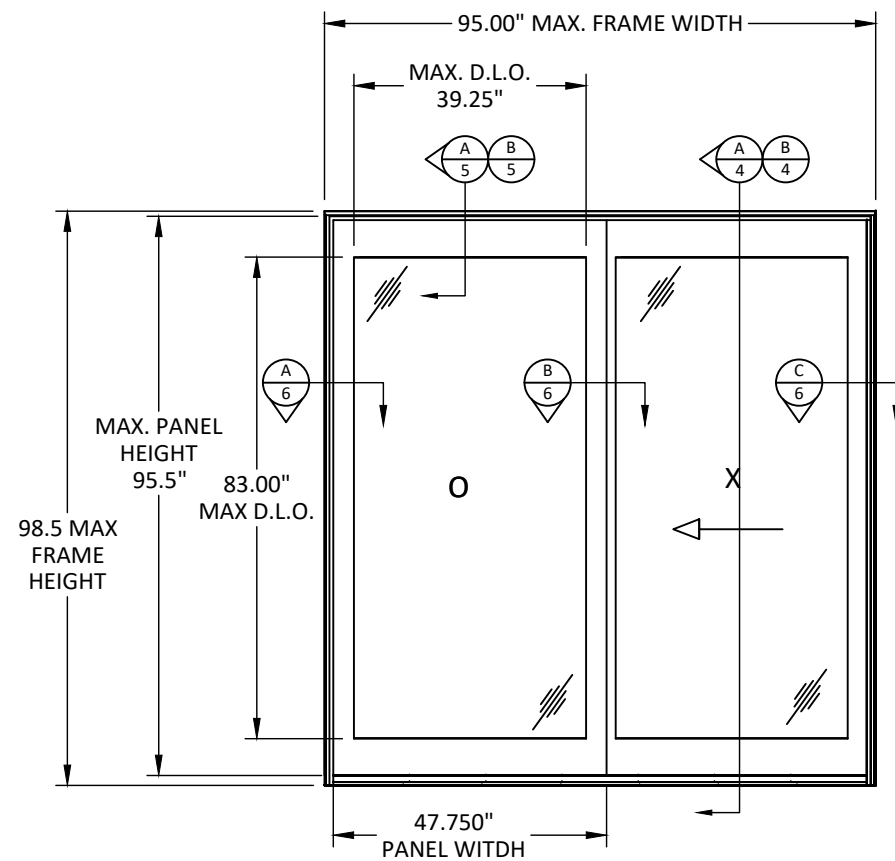
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CHK. BY: HFN

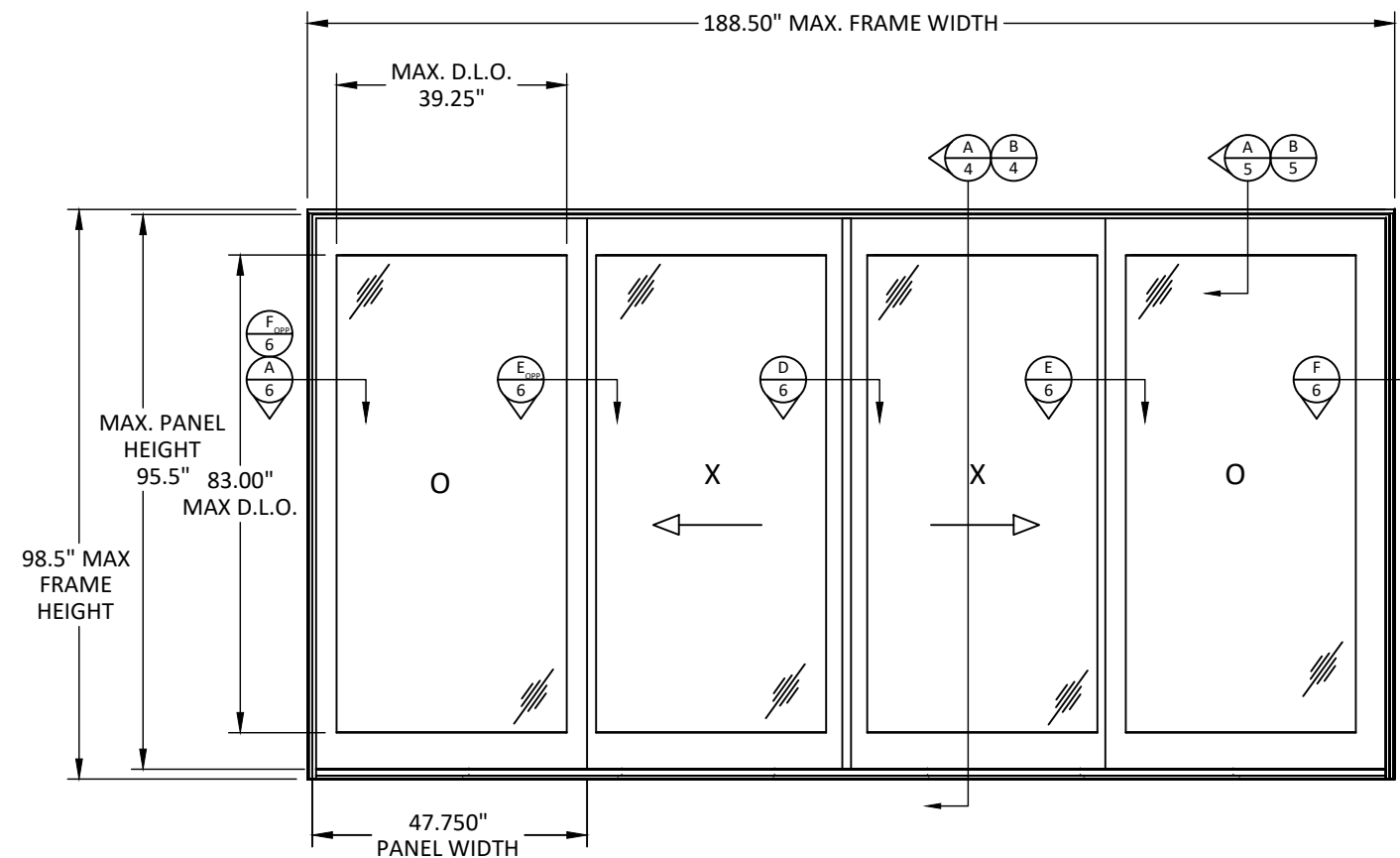
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SHEET: 1 OF 6



ELEVATION



ELEVATION

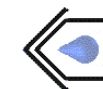


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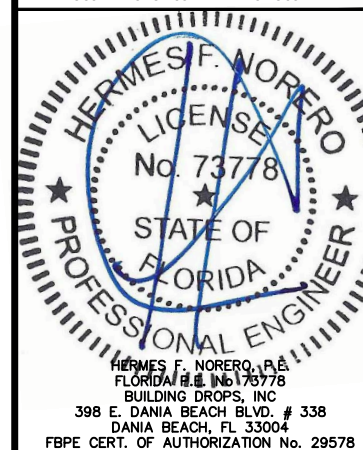
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ELEVATIONS

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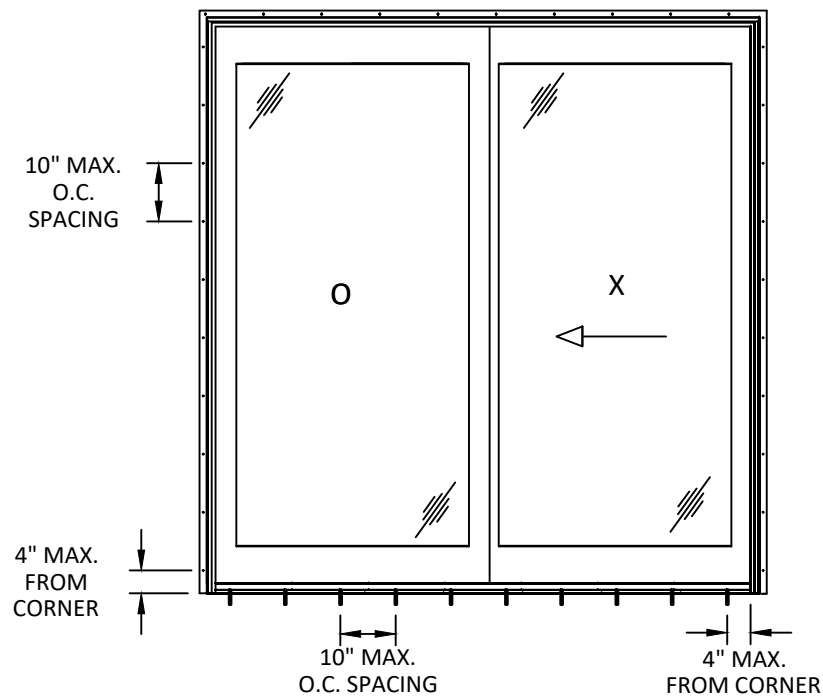
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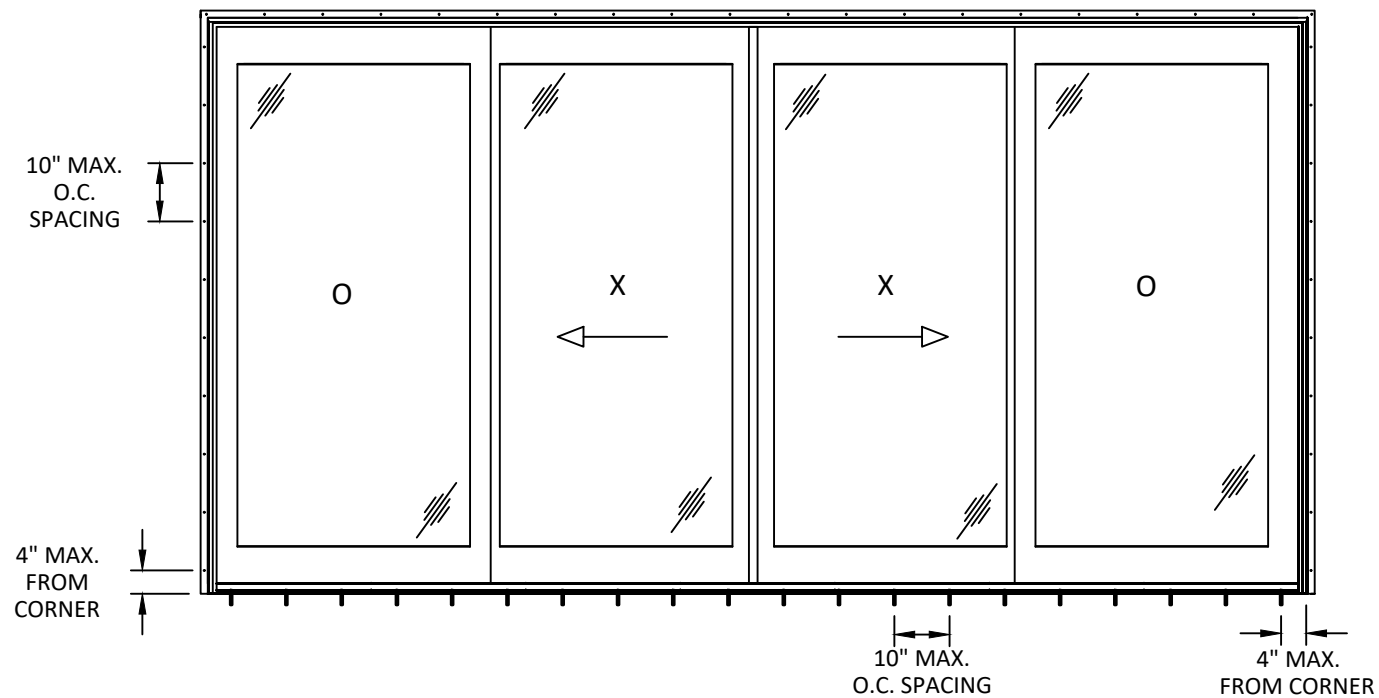
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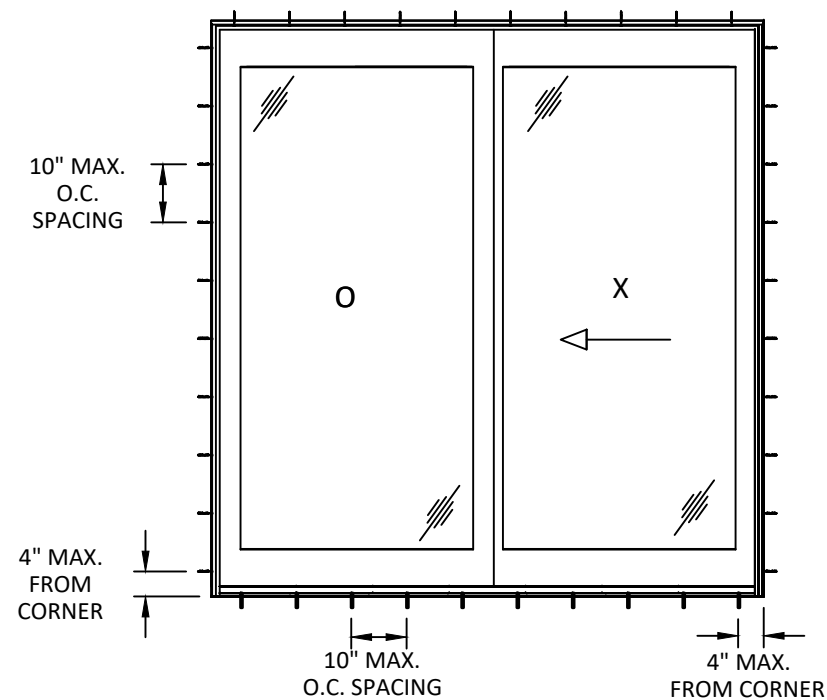
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2
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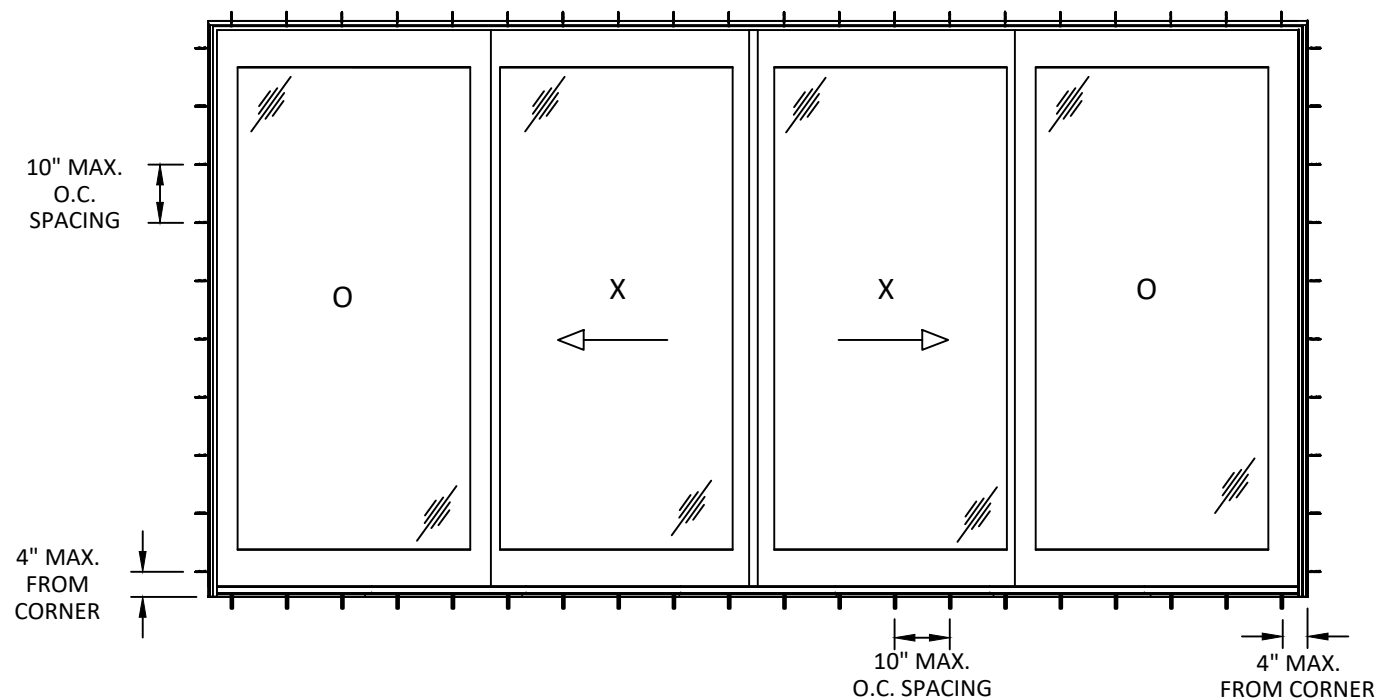
TYP. ANCHOR LAYOUT
NAIL FIN



TYP. ANCHOR LAYOUT
NAIL FIN



TYP. ANCHOR LAYOUT
THROUGH FRAME



TYP. ANCHOR LAYOUT
THROUGH FRAME

NOTE: SILL SHALL USE CLIP
INSTALLATION FOR BOTH NAIL FIN
AND THROUGH FRAME
INSTALLATIONS. SEE SHEET 4 & 5



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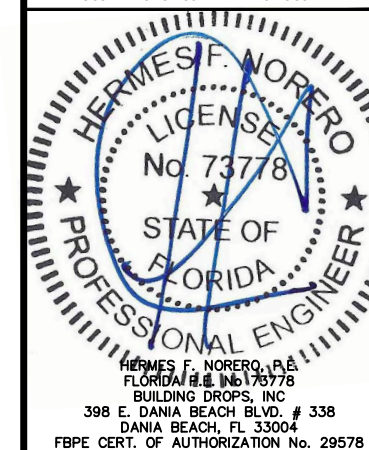
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(IMPACT)
ANCHOR LAYOUTS

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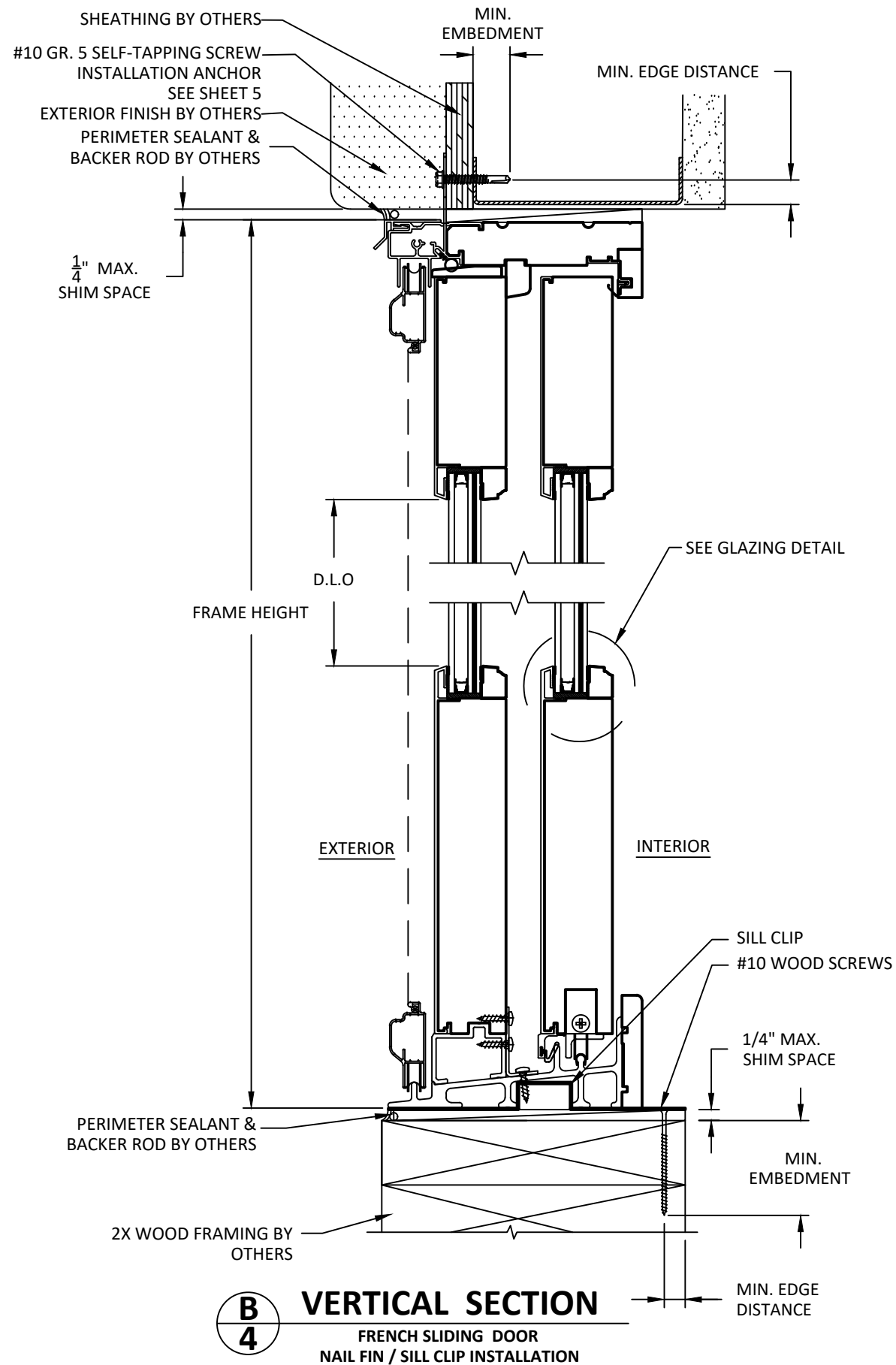
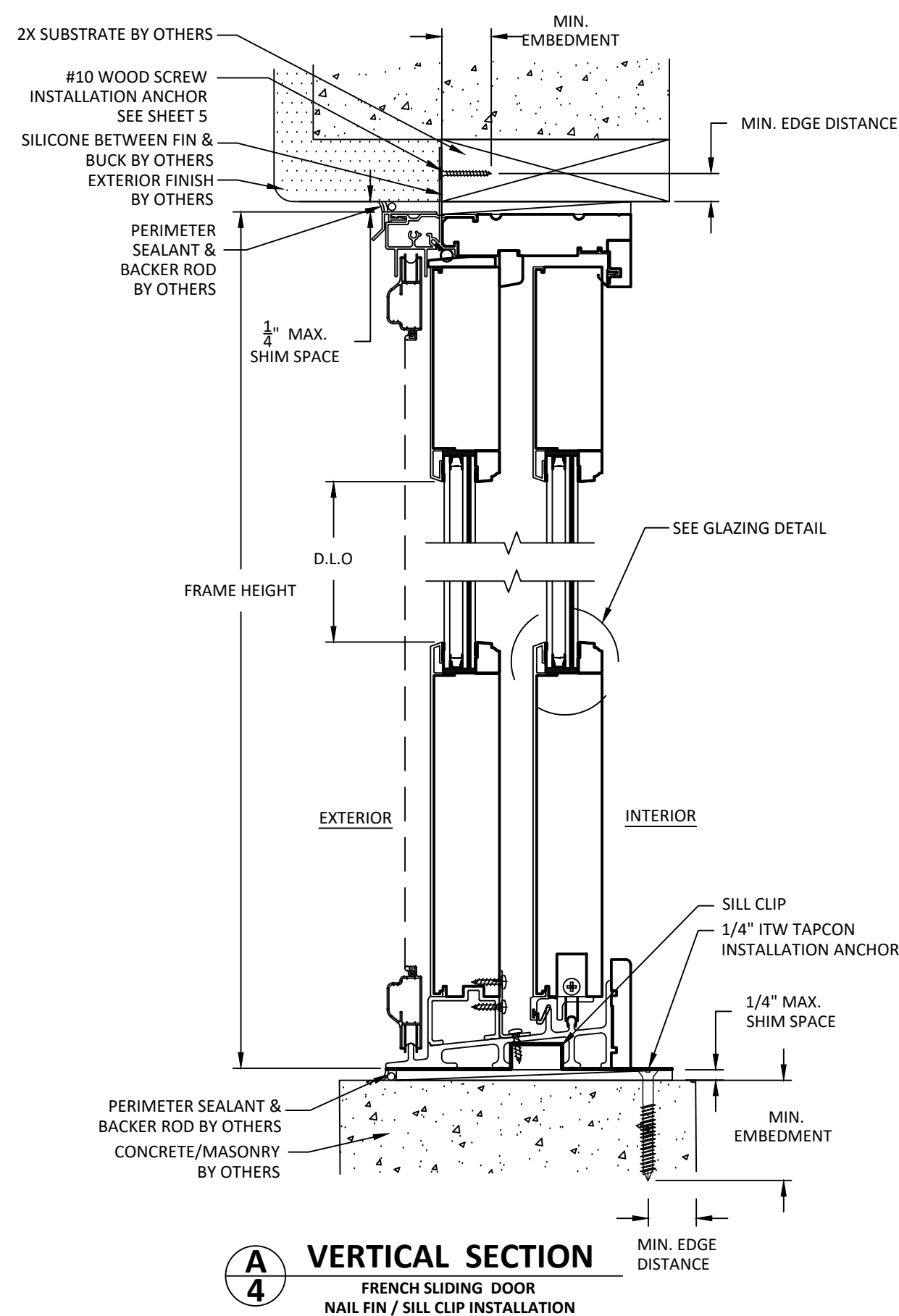
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3

OF 6



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

TITLE: PINNACLE FRENCH CLAD SLIDING DOOR (IMPACT) VERTICAL SECTIONS

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

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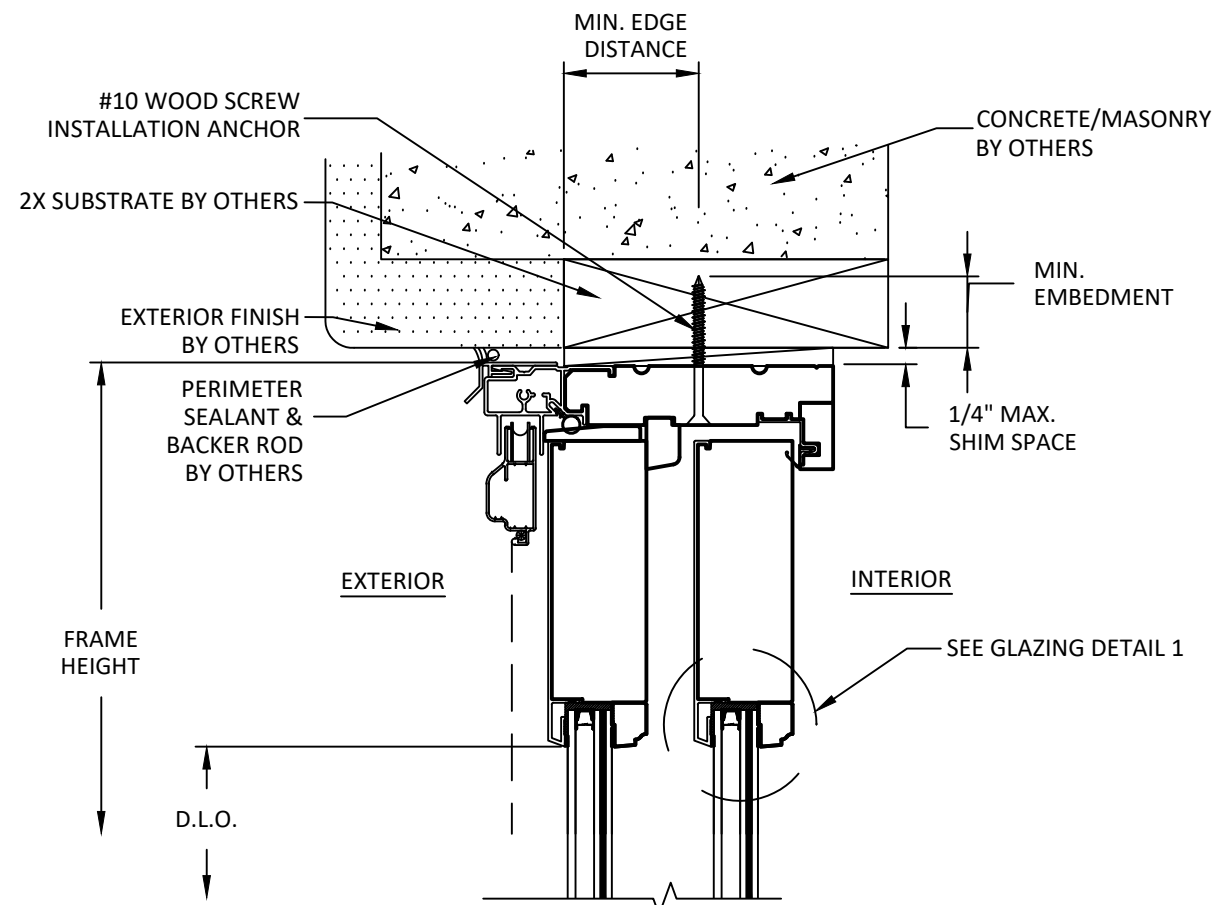
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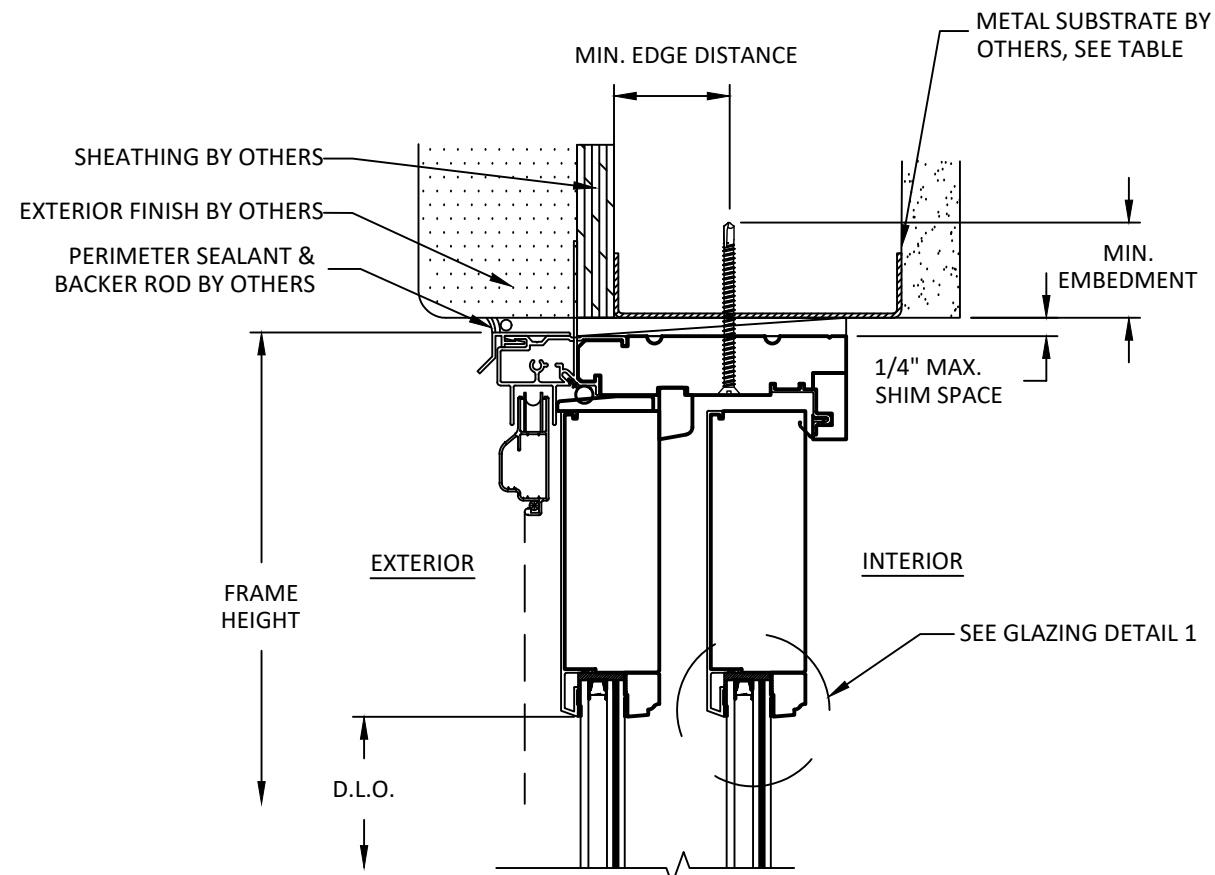
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A
5 VERTICAL SECTION
HEAD - THROUGH FRAME INSTALLATION



B
5 VERTICAL SECTION
HEAD - THROUGH FRAME INSTALLATION

ANCHOR SCHEDULE

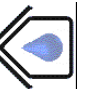
NAIL FIN						THROUGH FRAME					
SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MAX. SPACING (HEAD & SILL)	MAX SPACING (JAMBS)	SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MAX. SPACING (HEAD & SILL)	MAX SPACING (JAMBS)
SPRUCE-PINE-FIR OR SIMILAR' S.G.=0.42	#10 WOOD SCREW PAN HEAD	1.50"	0.75"	10" O.C SPACING	10" O.C SPACING	SPRUCE-PINE-FIR OR SIMILAR' S.G.=0.42	#10 WOOD SCREW PAN HEAD	1.50"	0.75"	10" O.C SPACING	10" O.C SPACING
METAL: 16 GAUGE STEEL MIN. Fy=33KSI	#10 TEK SCREW GRADE 5	3 PITCHES THREADS BEYOND METAL	0.75"	10" O.C SPACING	10" O.C SPACING	METAL: 16 GAUGE STEEL MIN. Fy=33KSI	#10 TEK SCREW GRADE 5	3 PITCHES THREADS BEYOND METAL	0.75	10" O.C SPACING	10" O.C SPACING
ALUMINUM METAL: 6063-T5 MIN. Fy=16KSI	#10 TEK SCREW GRADE 5	3 PITCHES THREADS BEYOND METAL	0.75"	10" O.C SPACING	10" O.C SPACING	ALUMINUM METAL: 6063-T5 MIN. Fy=16KSI	#10 TEK SCREW GRADE 5	3 PITCHES THREADS BEYOND METAL	0.75"	8" O.C SPACING	8" O.C SPACING
						CONCRETE: MIN. f'c= 3000PSI	1/4" ITW TAPCON	1.25"	3.00" (MIN.SPACING BETWEEN ANCHORS 4.00")	10" O.C SPACING	10" O.C SPACING
						MASONRY: CMU per ASTM C90 MIN. 2000PSI	1/4" ITW TAPCON	1.00"	3.00" (MIN.SPACING BETWEEN ANCHORS 4.00")	7" O.C SPACING	10" O.C SPACING



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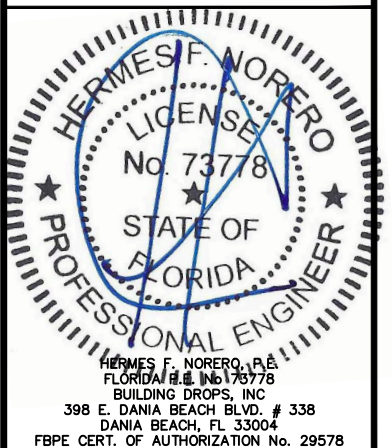
TITLE: PINNACLE FRENCH CLAD
SLIDING DOOR
(IMPACT)
HORIZONTAL SECTIONS

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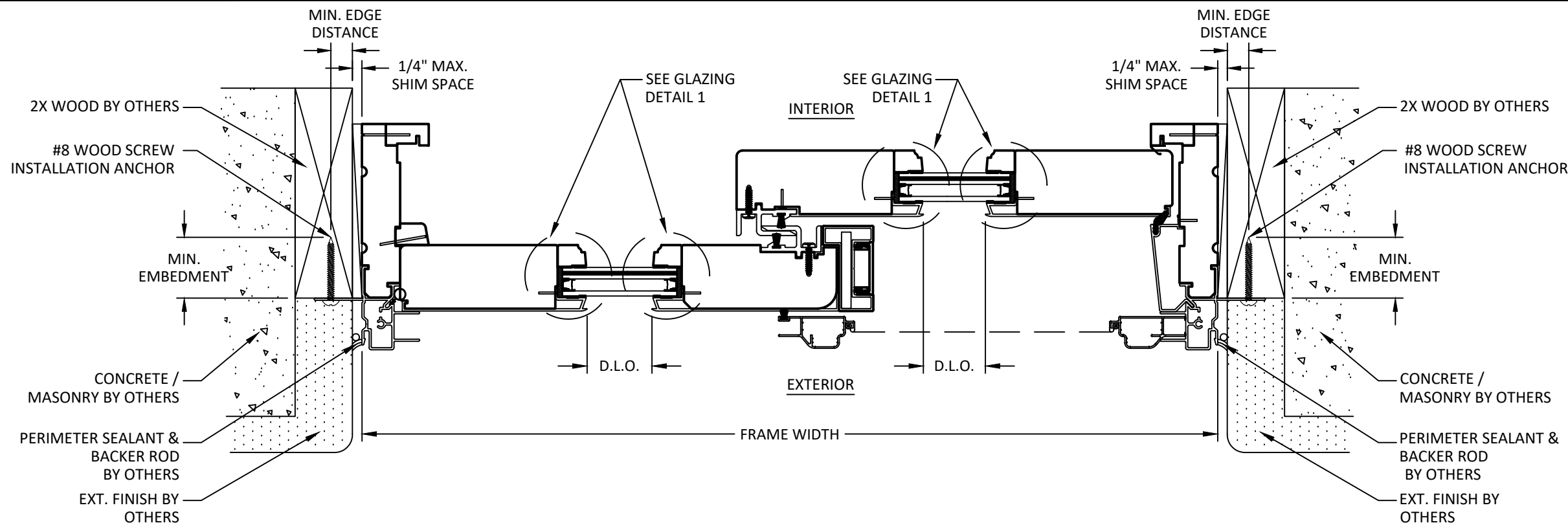
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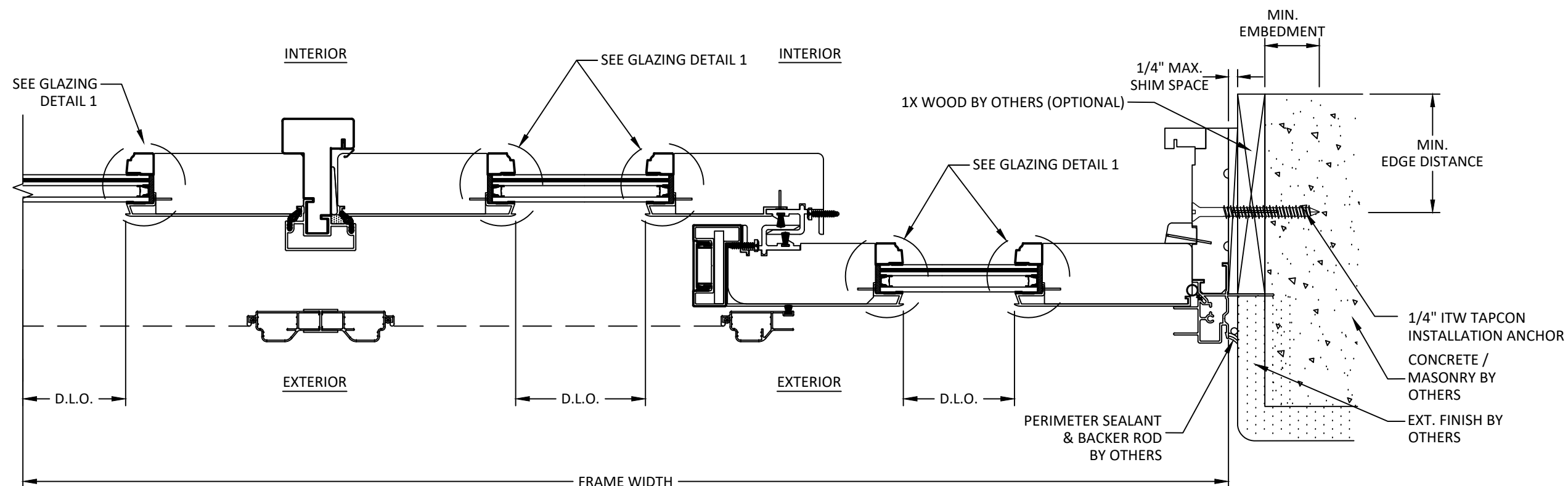
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A **HORIZONTAL SECTION**
JAMB - FIN INSTALLATION

B **HORIZONTAL SECTION**
INTERLOCK

C **HORIZONTAL SECTION**
JAMB - FIN INSTALLATION



D **HORIZONTAL SECTION**
MEETING STILES

E **HORIZONTAL SECTION**
INTERLOCK

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



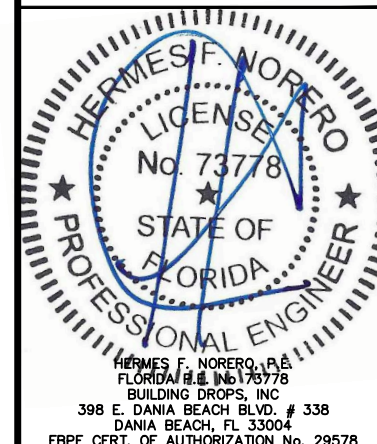
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