

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
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 (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 3/4" MINIMUM EMBEDMENT.
7. 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.
8. 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 WITH OVERALL DIMENSIONS OF 1.5" WIDE, 6.914" ALONG THE LONG LEG, AND 1.269" ALONG THE SHORT LEG.
9. 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.
10. 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.
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 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.
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 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.
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 SLIDING DOOR

(NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES CONTINUED:

17. 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:

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.2/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 IN NON-HVHZ AREAS.
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. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.
8. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: STATIONARY PANEL

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & ANCHOR LAYOUTS
3	DESIGN PRESSURE TABLES, ELEVATIONS & ANCHOR LAYOUTS
4	VERTICAL SECTION
5	VERTICAL SECTION
6	HORIZONTAL SECTION
7	HORIZONTAL SECTION & GLAZING DETAIL



WINDSOR WINDOWS & DOORS

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

TITLE:

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

INSTALLATION & GENERAL NOTES

PREPARED BY:

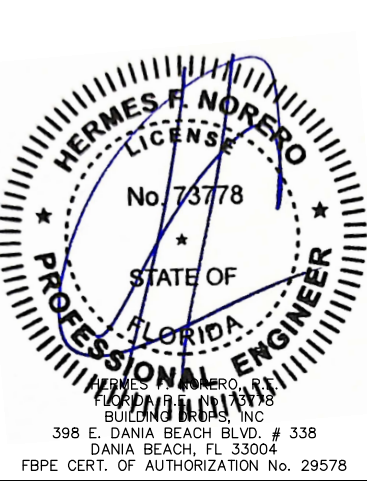
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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SCALE:

NTS

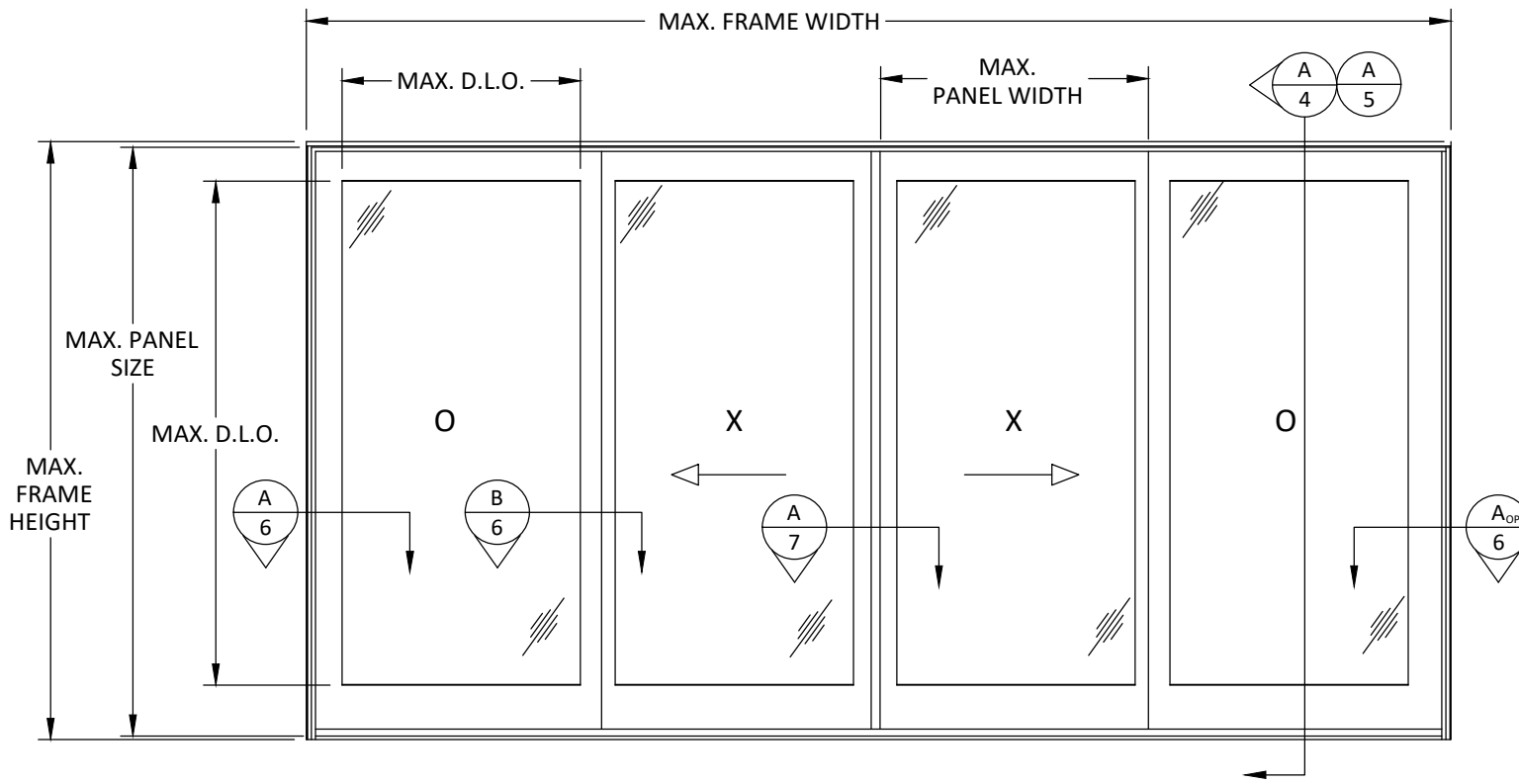
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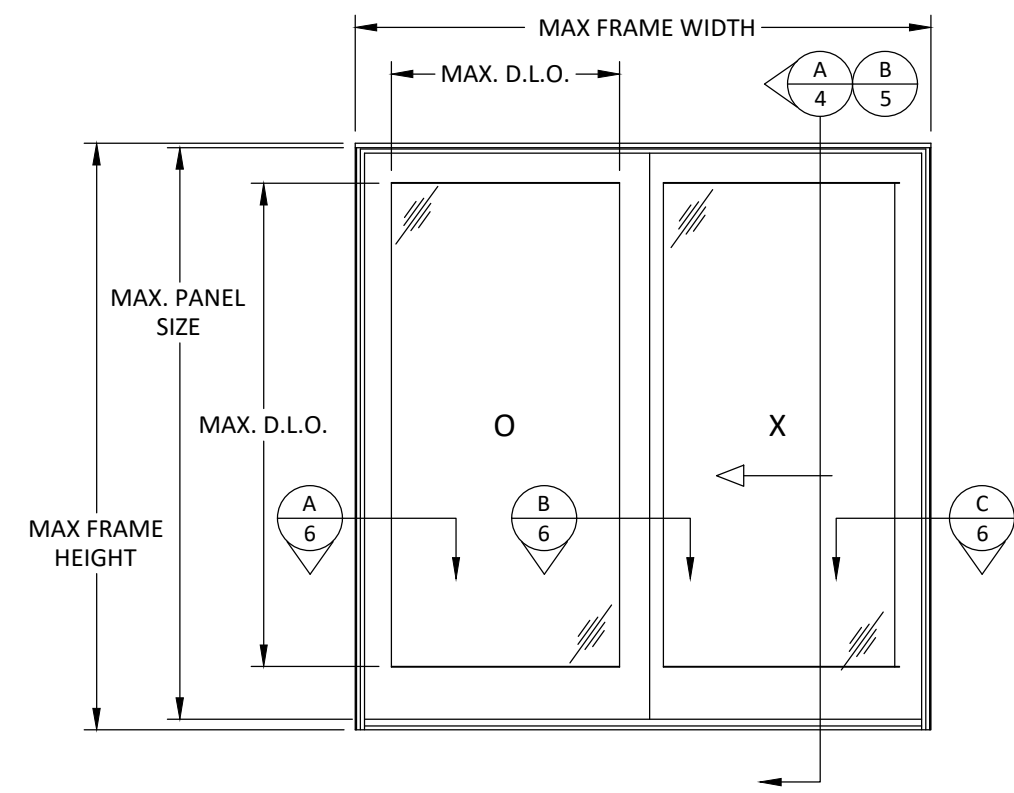
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OF 7

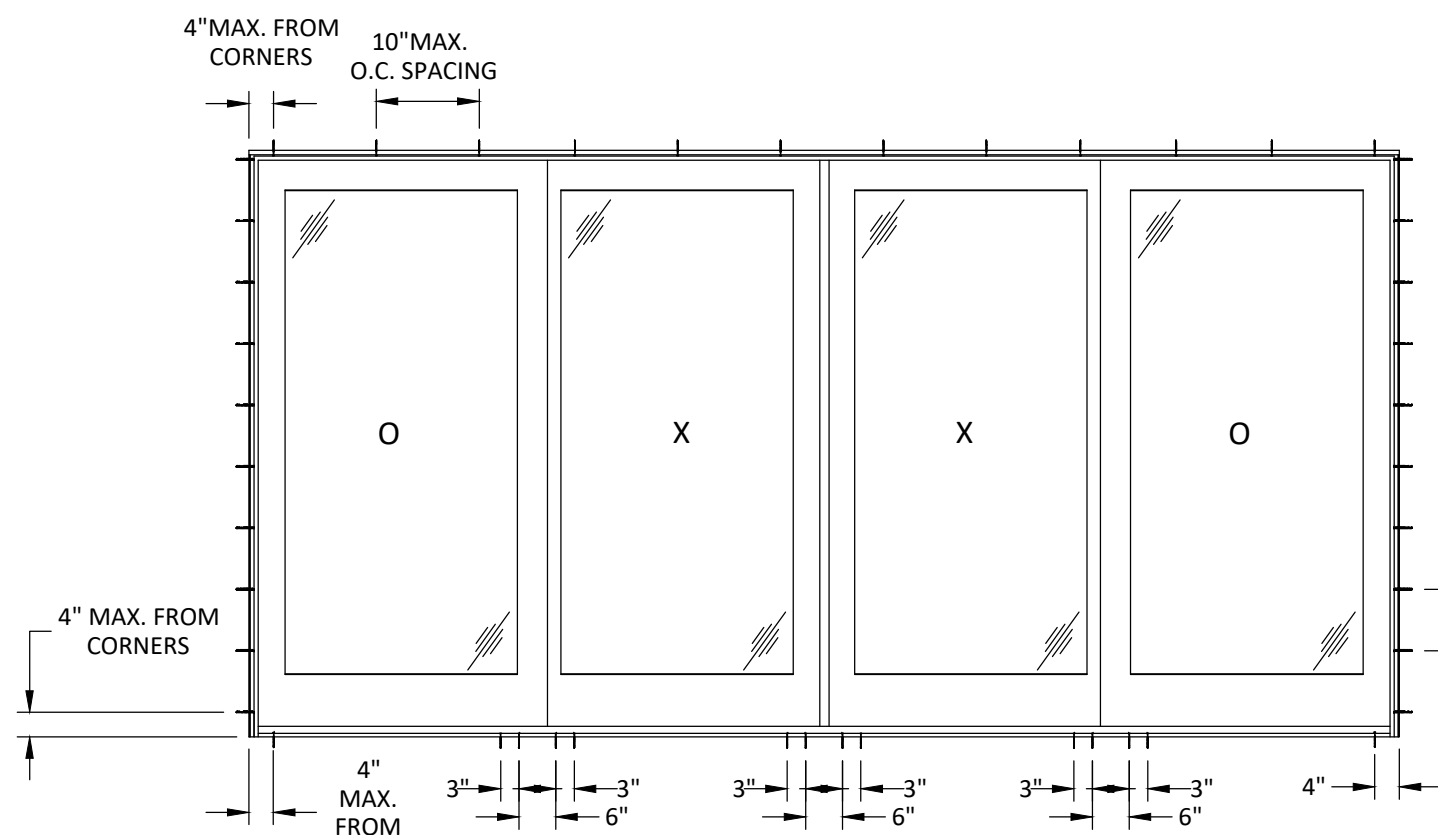


ELEVATION

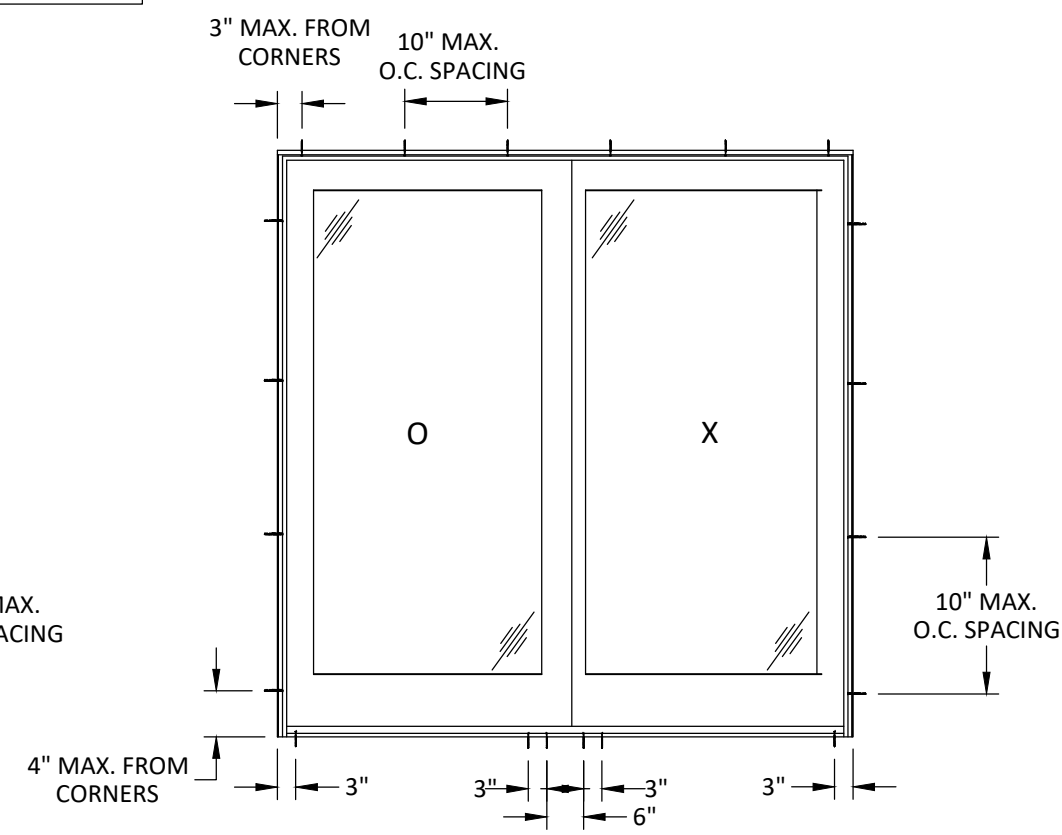


ELEVATION

NOTE:
ALL INSTALLATION
OPTIONS USE THRU
FRAME INSTALLATION
METHOD AT SILL



TYPICAL ANCHOR LAYOUT
THRU FRAME



TYPICAL ANCHOR LAYOUT
THRU FRAME

WINDSOR WINDOWS & DOORS
A Woodgrain Millwork Company

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

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

ELEVATIONS & ANCHOR LAYOUTS

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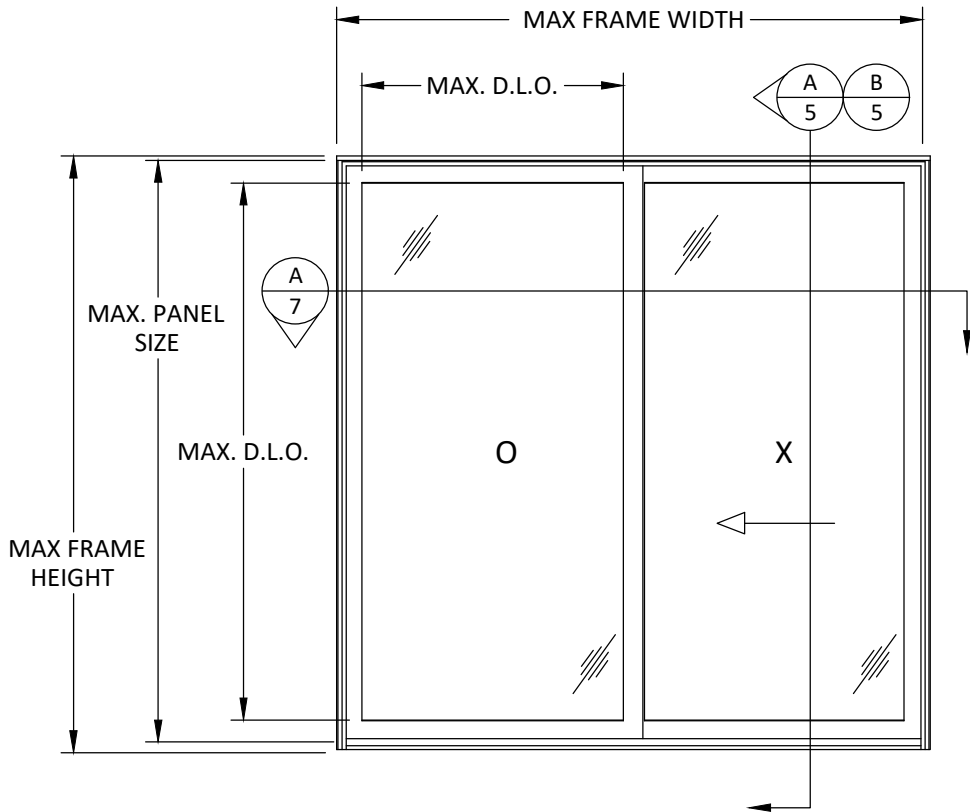
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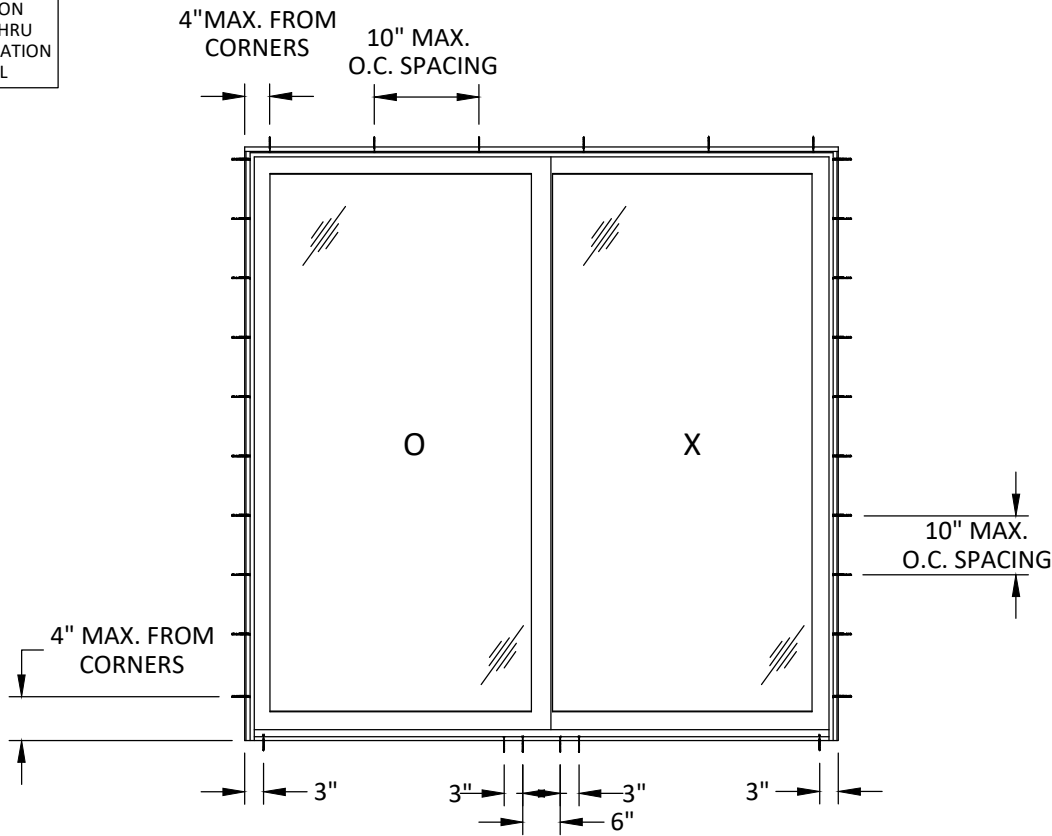
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FLORIDA
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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SHEET:	2 OF 7

DESIGN PRESSURE TABLE									
TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIGURATION	MAX. PANEL SIZE		MAX. D.L.O.		PANEL TYPE	MISSILE IMPACT RATING
				WIDTH	HEIGHT	WIDTH	HEIGHT		
95.0"	95.5"	+40/-40 PSF	OX	37.5"	92.4"	26.0"	80.5"	FRENCH	NON-IMPACT
71.0"	119.5"	+40/-40 PSF	OX	35.8"	116.5"	26.0"	102.8"		
95.0"	98.5"	+50/-50 PSF	OX	47.8"	95.5"	39.3"	83.0"		
188.58"	98.5"	+50/-50 PSF	OXXO	47.8"	95.5"	39.3"	83.0"		
188.62"	82.52"	+35/-35 PSF	OXXO	47.6"	79.6"	39.3"	67.0"		
95.0"	95.5"	+40/-40 PSF	OX	47.8"	92.4"	46.6"	91.1"	NARROW	



ELEVATION
NARROW



TYPICAL ANCHOR LAYOUT
THRU FRAME



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

DESIGN PRESSURE TABLE,
ELEVATIONS & ANCHOR LAYOUTS

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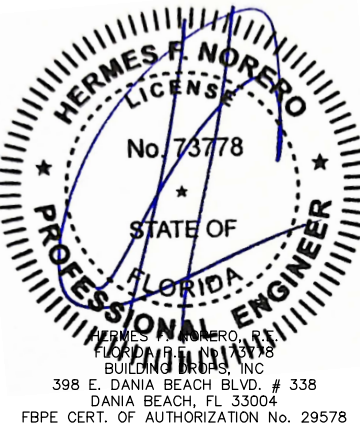
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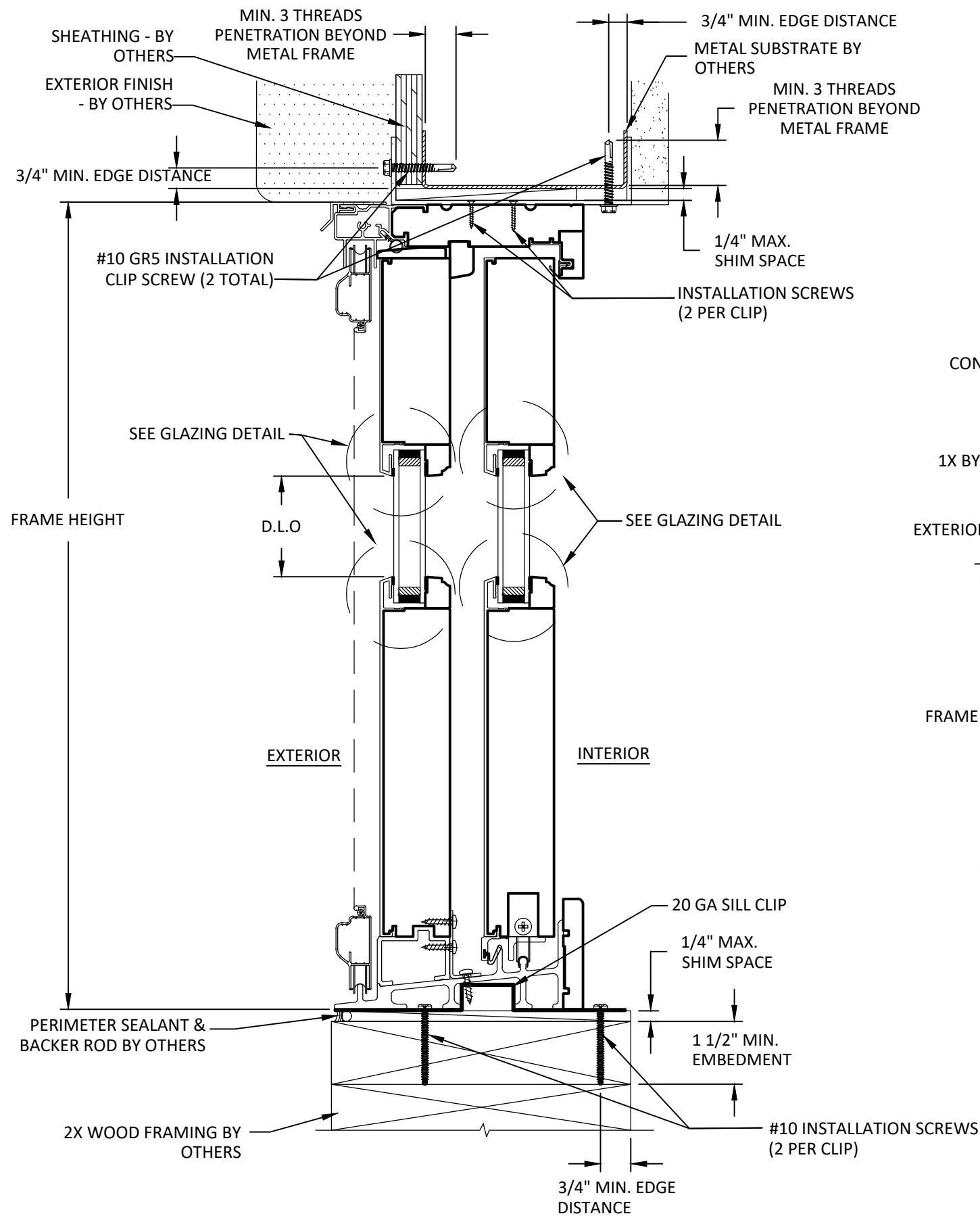


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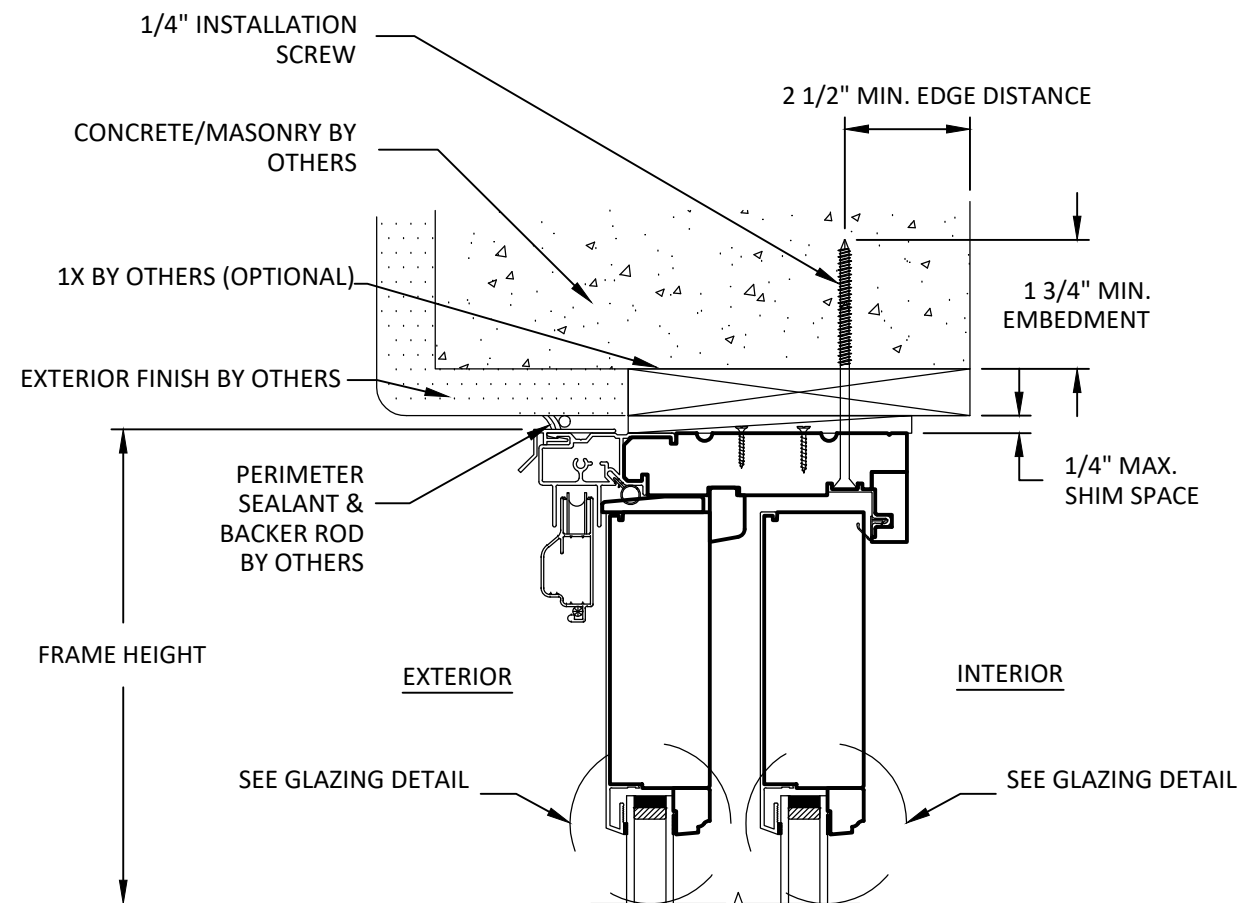
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SHEET:	



A
4 VERTICAL SECTION
FRENCH SLIDING PATIO DOOR



B
4 VERTICAL SECTION
FRENCH SLIDING PATIO DOOR

NOTE:
FOR ALTERNATE ANCHOR
OPTIONS SEE
INSTALLATION NOTES
5-10 ON SHEET 1



**WINDSOR WINDOWS
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VERTICAL SECTIONS

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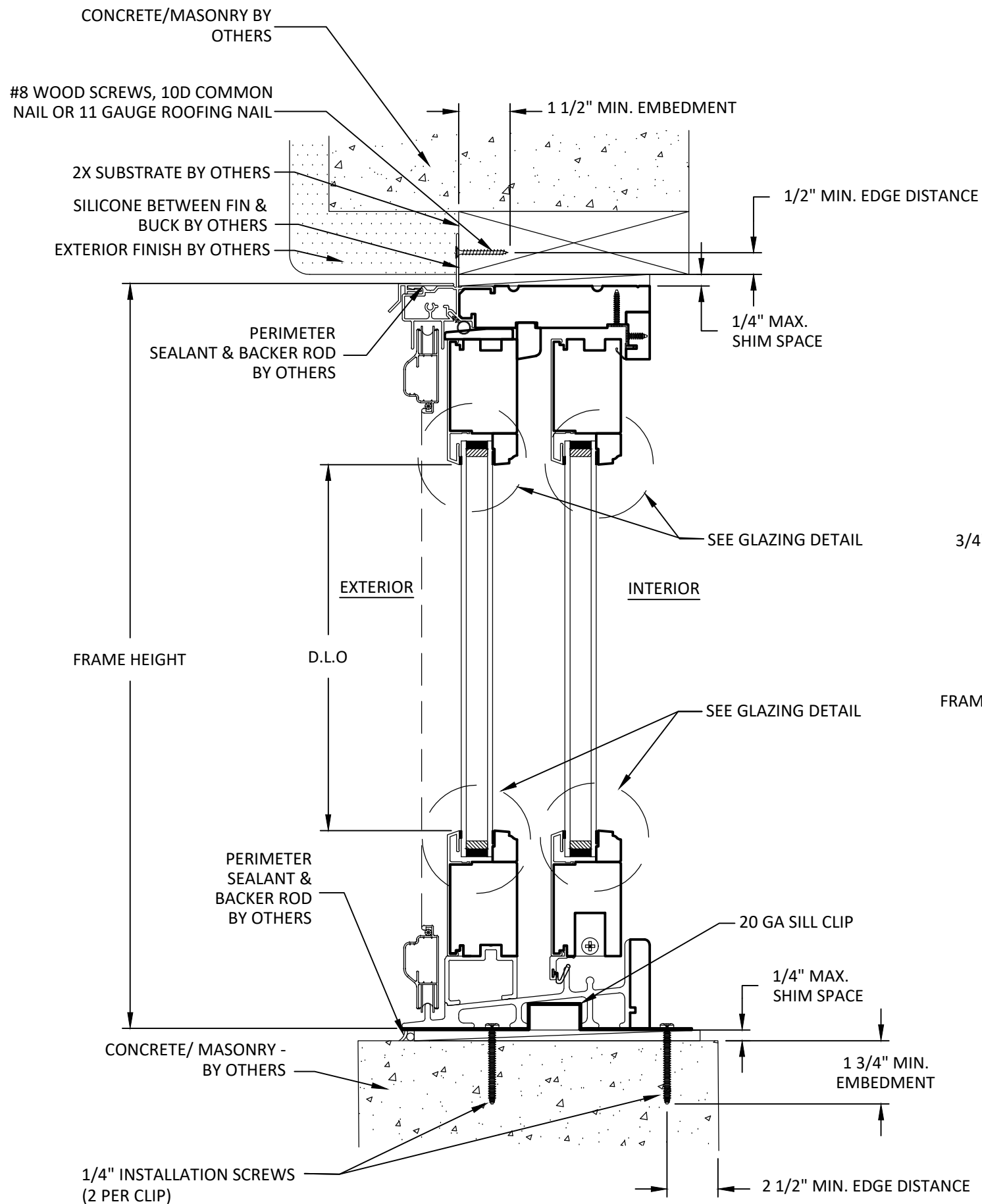
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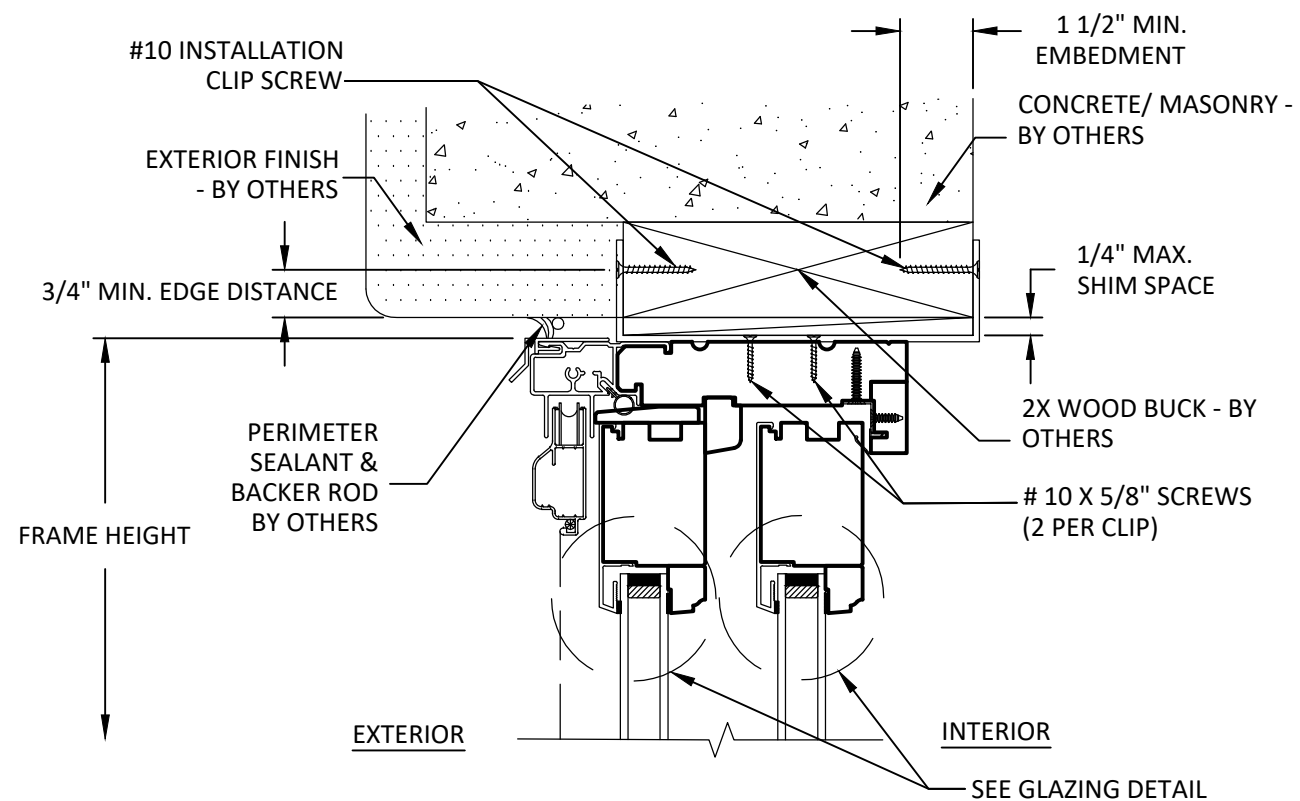
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SHEET:

4
OF 7



A
5 **VERTICAL SECTION**
NARROW SLIDING PATIO DOOR



B
5 **VERTICAL SECTION**
NARROW SLIDING PATIO DOOR

NOTE:
FOR ALTERNATE ANCHOR
OPTIONS SEE
INSTALLATION NOTES
5-10 ON SHEET 1



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VERTICAL SECTION

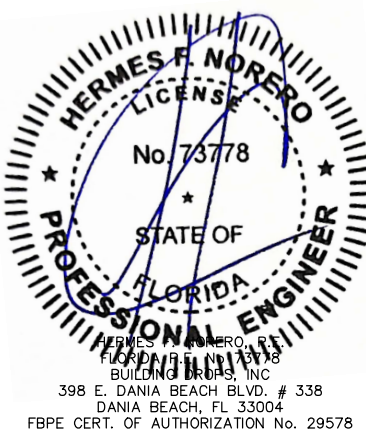
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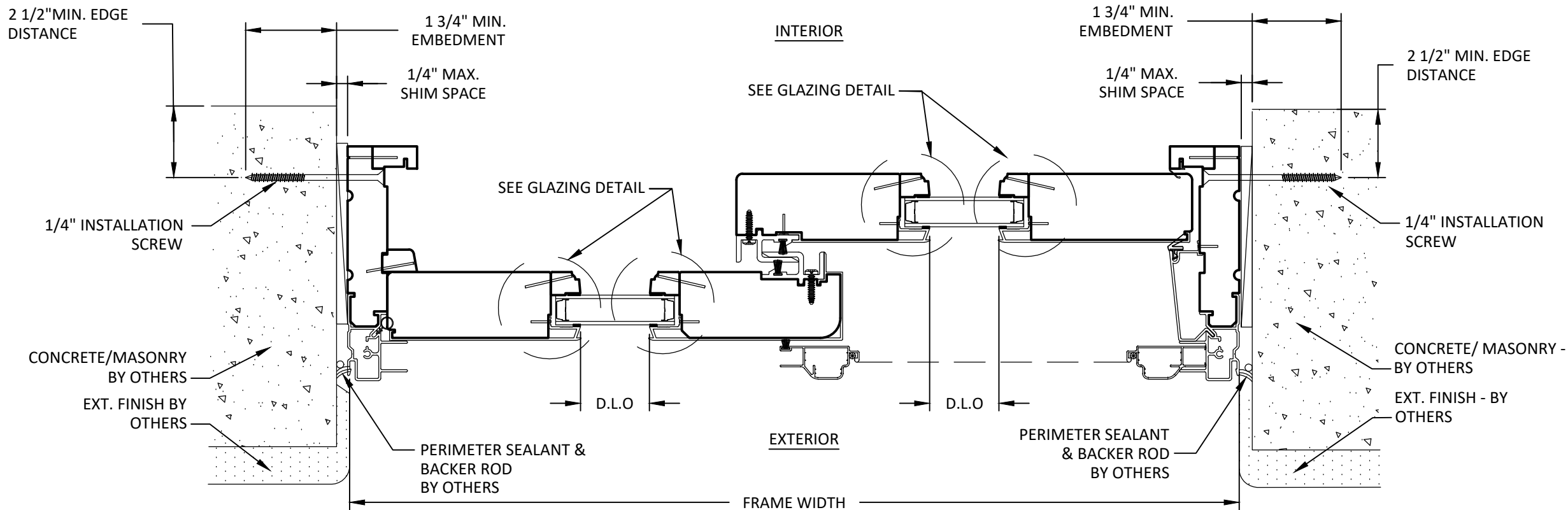
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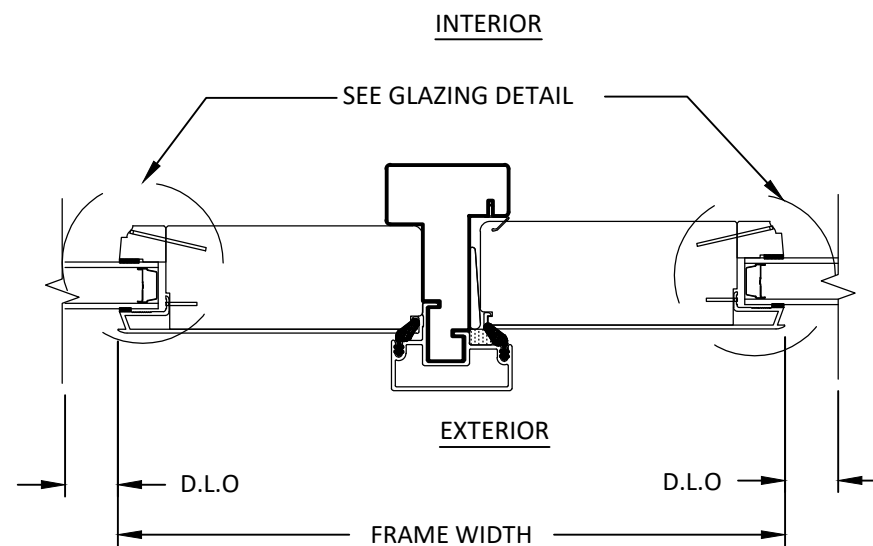
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A **HORIZONTAL SECTION**
6 FRENCH SLIDING PATIO DOOR
 JAMB - THRU FRAME INSTALLATION

B **HORIZONTAL SECTION**
6 FRENCH SLIDING PATIO DOOR
 INTERLOCK

C **HORIZONTAL SECTION**
6 FRENCH SLIDING PATIO DOOR
 JAMB - THRU FRAME INSTALLATION



D **HORIZONTAL SECTION**
6 FRENCH SLIDING PATIO DOOR
 4 PANEL ASTRAGAL

NOTE:
 FOR ALTERNATE ANCHOR
 OPTIONS SEE
 INSTALLATION NOTES
 5-10 ON SHEET 1



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HORIZONTAL SECTIONS

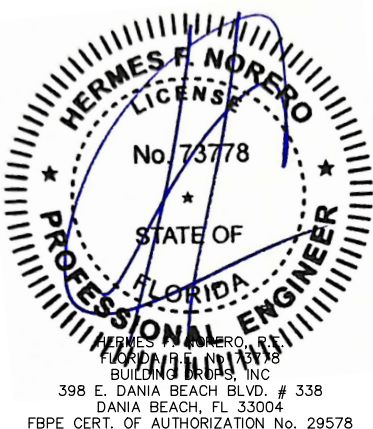
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SHEET:	6

TITLE:
**PINNACLE CLAD SLIDING DOOR
(NON-HVHZ) (NON-IMPACT)**

HORIZONTAL SECTION & GLAZING DETAIL

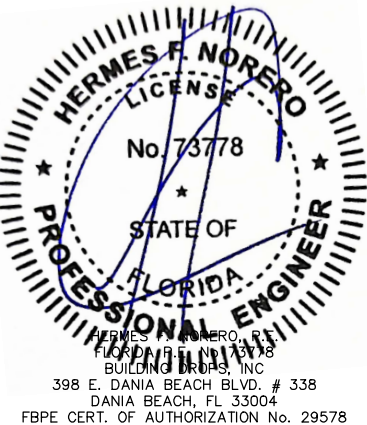
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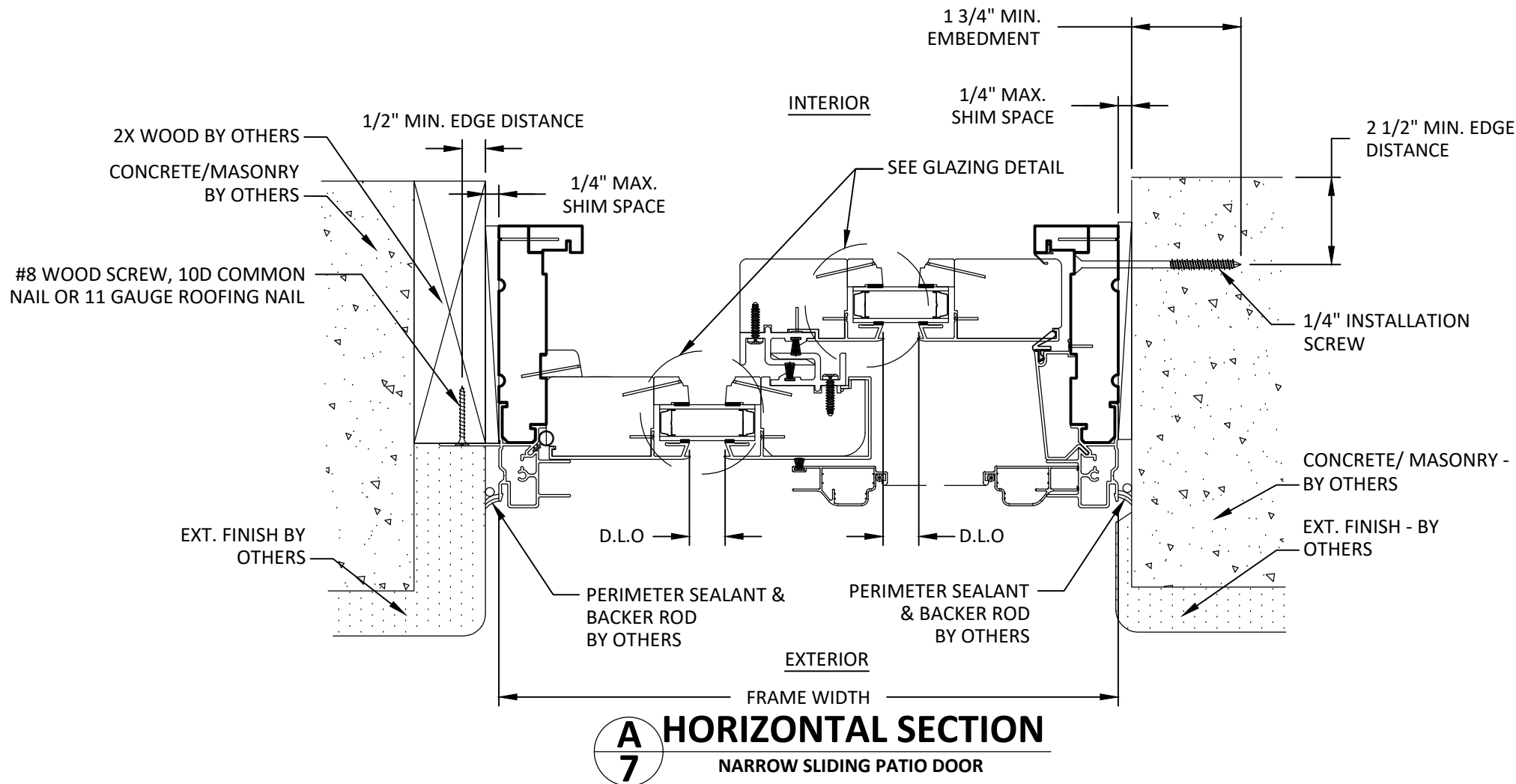
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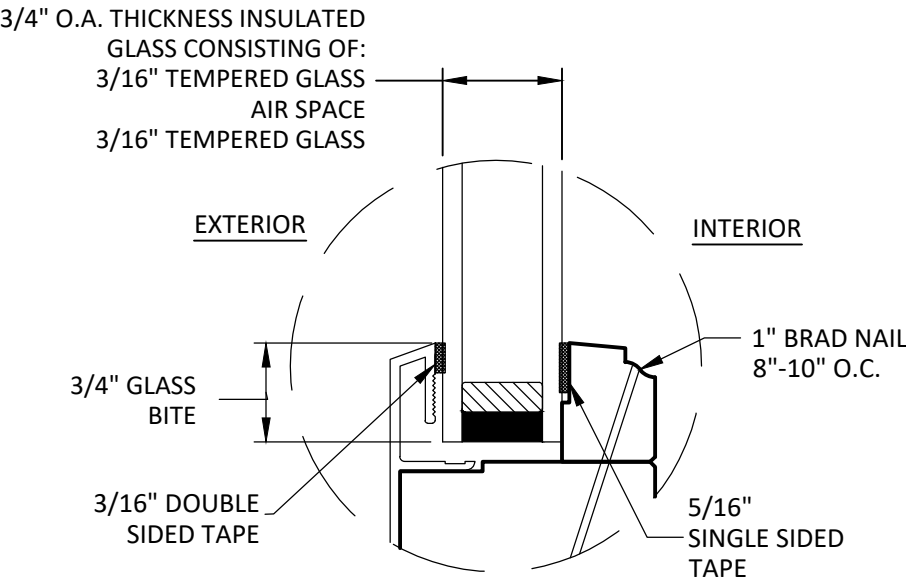
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7

OF 7



NOTE:
FOR ALTERNATE ANCHOR
OPTIONS SEE
INSTALLATION NOTES
5-10 ON SHEET 1



GLAZING DETAIL 1

- GLAZING NOTES**
- 1) GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 - 2) SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 - 3) SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 - 4) *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.