

PACIFIC CREST BUILDING PRODUCT

GLAZED WOOD INSWING SIDE-HINGED DOOR W/ OR W/O SIDELITES (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 2 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 1/8" (0.125").
 - 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)
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

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/A440-17
- 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(MAHOGAN Y)
 - PVC COMPOSITE
- 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 SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS.

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DESIGN PRESSURE TABLE

SERIES	OVERALL FRAME SIZE		DESIGN PRESSURE	CONFIGURATION	MISSILE IMPACT RATING
	WIDTH	HEIGHT			
INSWING SIDE-HINGED DOOR (AM30C/M30C)	37.75"	81.50"	+50/-50 PSF	X	NON - IMPACT
INSWING SIDE-HINGED DOOR (AM30C/M30C)	64.50"	81.50	+50/-50 PSF	OXO	NON - IMPACT
INSWING SIDE-HINGED DOOR (3-LITE/M23C)	37.19"	81.50"	+45/-45 PSF	X	NON - IMPACT
INSWING SIDE-HINGED DOOR (3-LITE/M23C)	64.50"	81.50	+45/-45 PSF	OXO	NON - IMPACT
INSWING SIDE-HINGED DOOR (W28)	37.19"	81.50"	+50/-50 PSF	X	NON - IMPACT
INSWING SIDE-HINGED DOOR W/ SIDELITES (W28)	69.0"	81.50"	+50/-50 PSF	OXO	NON - IMPACT
INSWING SIDE-HINGED DOOR (M55)	37.19"	81.50"	+50/-50 PSF	X	NON - IMPACT
INSWING SIDE-HINGED DOOR W/ SIDELITES (M55)	64.50"	81.50	+50/-50 PSF	OXO	NON - IMPACT

* WHERE SITE REQUIRES WATER INFILTRATION, UNITS SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO(OH)= OH LENGTH/OH HEIGHT IS GREATER THAN 1.0.

PACIFIC CREST

BUILDING PRODUCTS

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4227 SOUTH MERIDIAN, C-114.

PUYALLUP, WA 98373

PH: (253)-447-7686

TITLE: GLAZED WOOD INSWING
SIDE-HINGED DOOR
W/ OR W/O SIDELITES
(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

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.12.26 12:21:05 -0500

HERMES F. NORERO

LICENSED PROFESSIONAL ENGINEER

No. 73778

STATE OF FLORIDA

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 #:

FL33277

DATE:

06.03.2020

DWG. BY:

YC

CHK. BY:

HFN

SCALE:

NTS

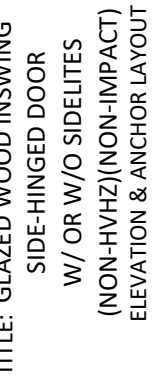
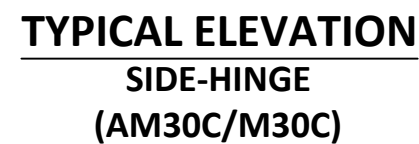
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BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
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ANCHOR SCHEDULE				
INSTALLATION METHOD	SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	Wood: SPRUCE-PINE-FIR OR SIMILAR S.G.=0.42	#10 WOOD SCREW PAN HEAD	1.50"	0.75"
	METAL: 16 GAUGE STEEL. MIN. Fy=33KSI	#8 TEK SCREW	MIN. 3 THREADS OF PENETRATION BEYOND THE SUBSTRATE	0.50"
	METAL: MIN 6063-T5 ALUMNIUM. MIN THICKNESS 1/8".			
	CONCRETE: MIN. f'c= 3000PSI	3/16" ITW TAPCONS OR 3/16" ELCO ULTRACONS	1.75	2.25"
	MASONRY: CMU PER ASTM C90 MIN. 2000PSI	3/16" ITW TAPCONS OR 3/16" ELCO ULTRACONS	1.75	2.50"

HARDWARE NOTES:

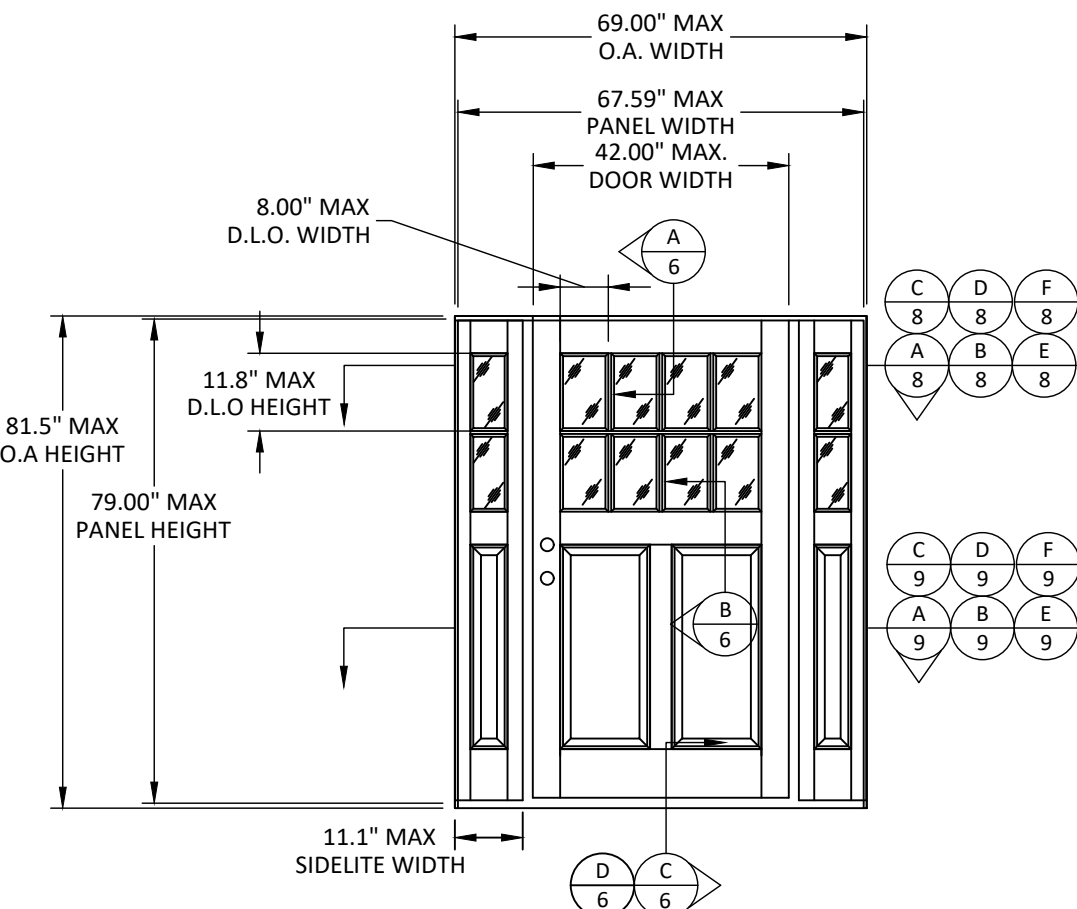
DEAD BOLT:
LOCATED AT 37.0" O.C. FROM THE TOP RAIL AND ALIGNED WITH
2 1/4" STRIKE PLATE.

DOOR LATCH:
LOCATED AT 43.0" O.C. FROM THE TOP RAIL AND ALIGNED WITH
2 1/4" FULL LIP STRIKE PLATE.

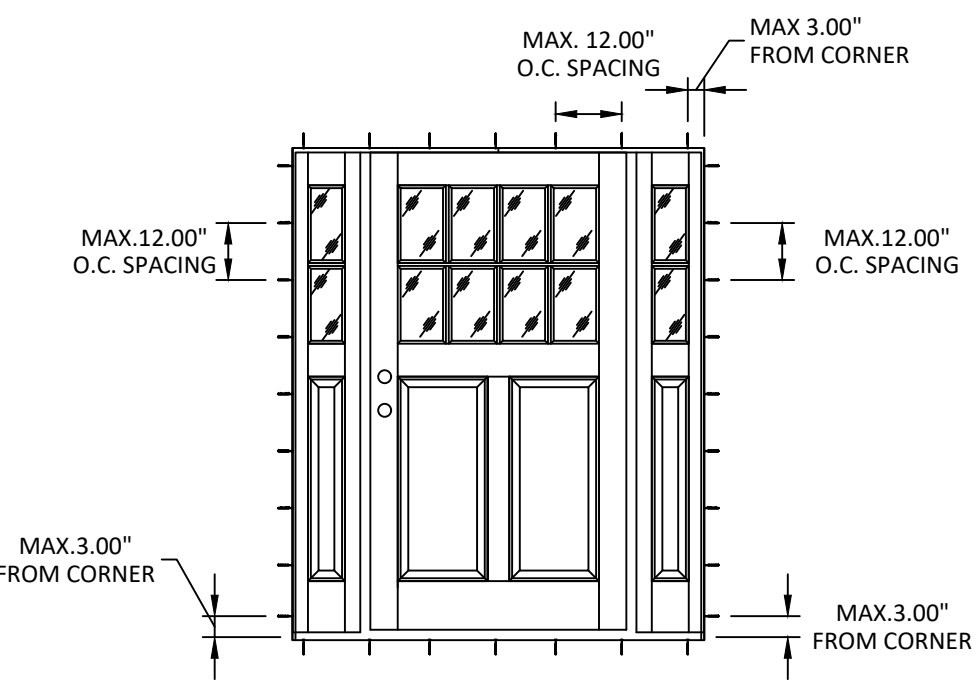
HINGES:
LOCATED AT 7.00", 37.0", 67.0" FROM THE TOP RAIL.

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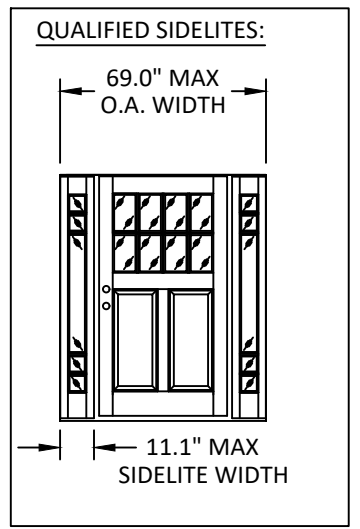


TYPICAL ELEVATION
SIDE-HINGE DOOR W/ SIDELITES
(W28)



ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

SEE SHEET 2 FOR ANCHOR TYPE AND SPECIFICATIONS



HARDWARE NOTES:

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SIDE-HINGED DOOR
W/ OR W/O SIDELITES
(NON-HVHZ)(NON-IMPACT)
ELEVATION & ANCHOR LAYOUT

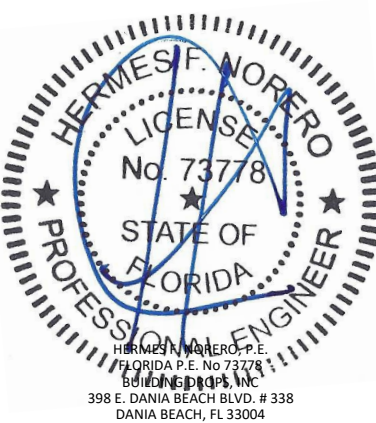
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FLORIDA P.E. No. 73778
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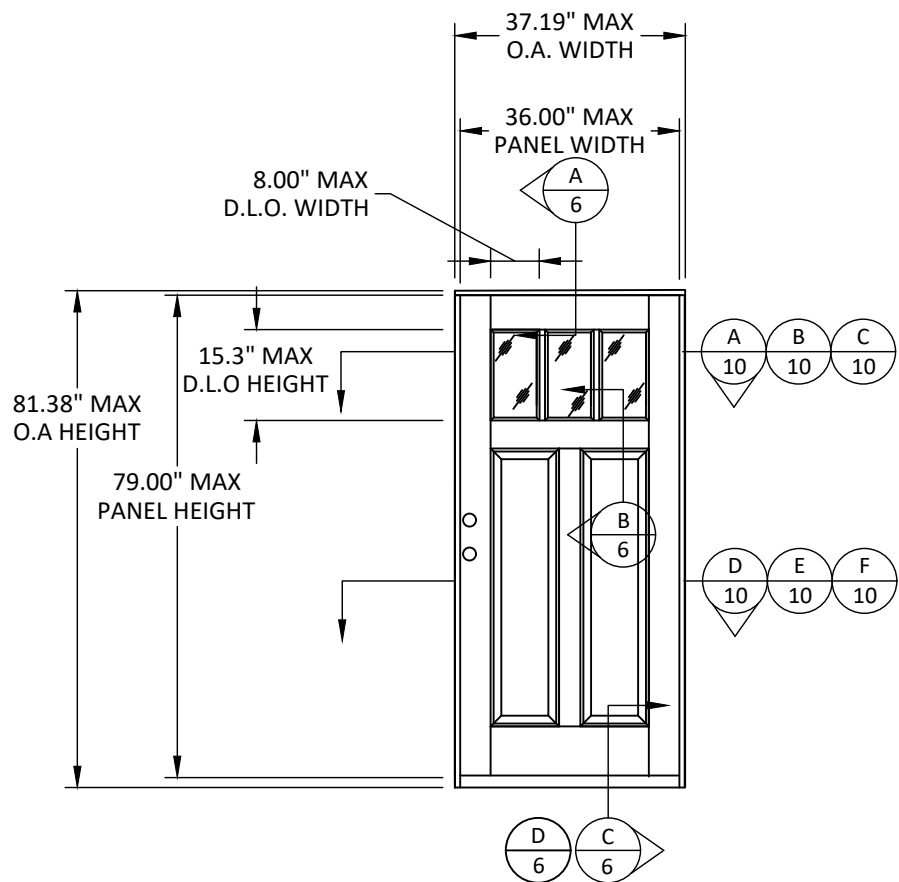
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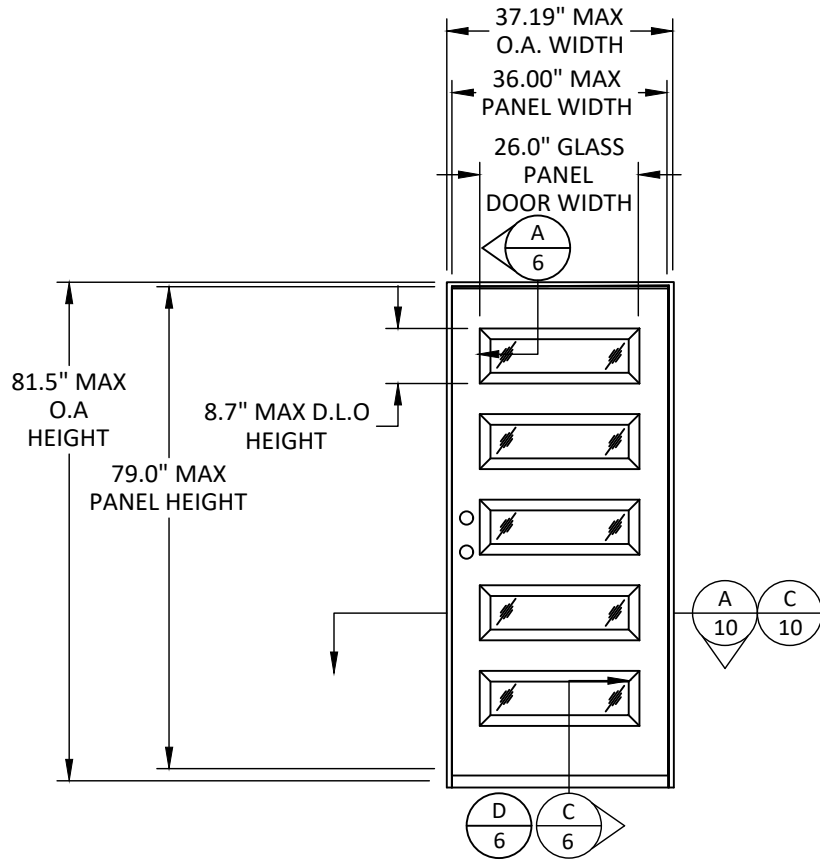
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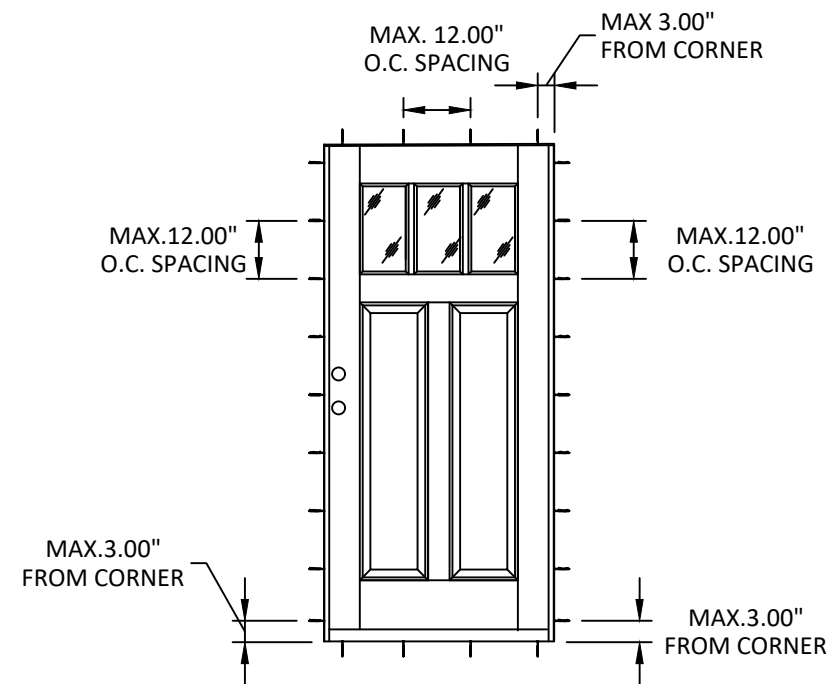
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**TYPICAL ELEVATION
SIDE-HINGE
(3-LITE DOOR/M23C)**

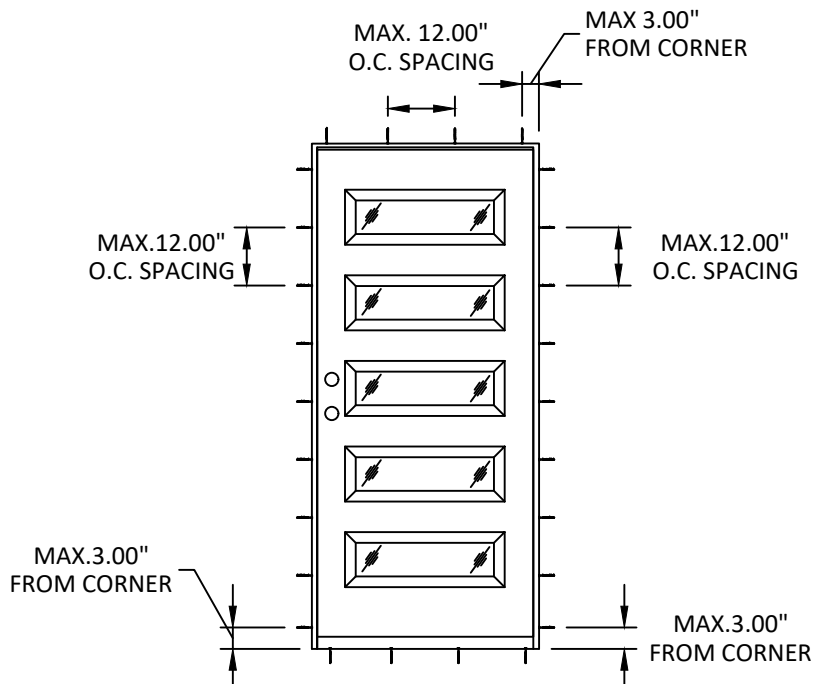


**TYPICAL ELEVATION
SIDE-HINGE
(M55)**



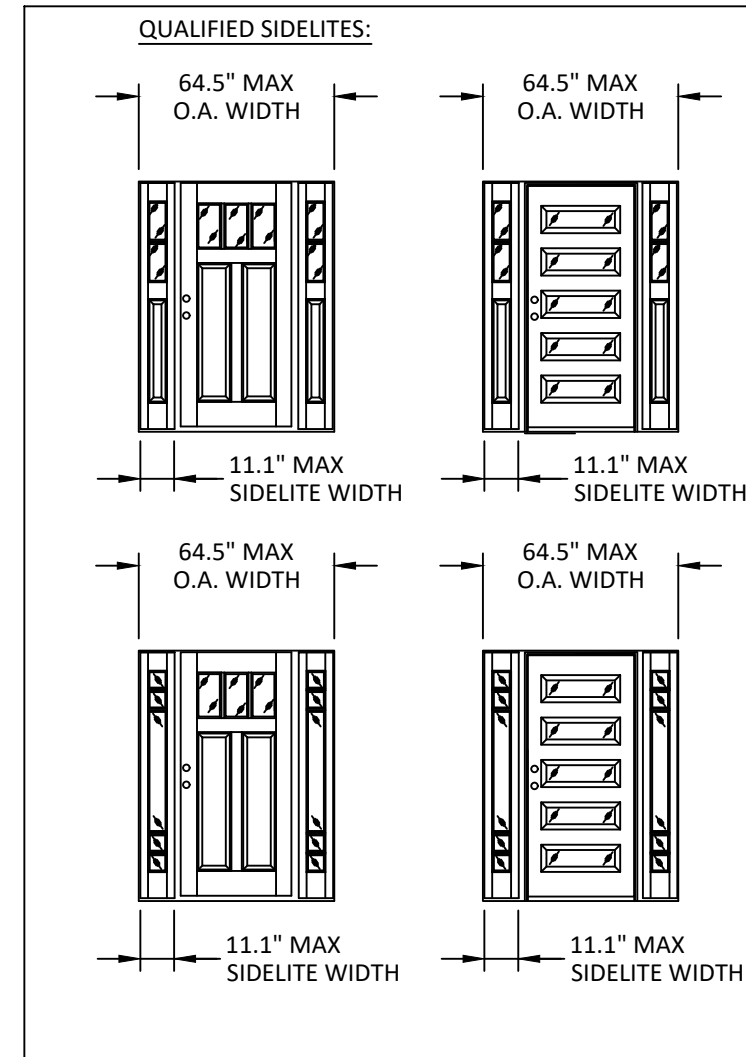
**ANCHOR LAYOUT
TROUGH FRAME INSTALLATION**

SEE SHEET 2 FOR ANCHOR TYPE AND SPECIFICATIONS



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TROUGH FRAME INSTALLATION**

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HARDWARE NOTES:

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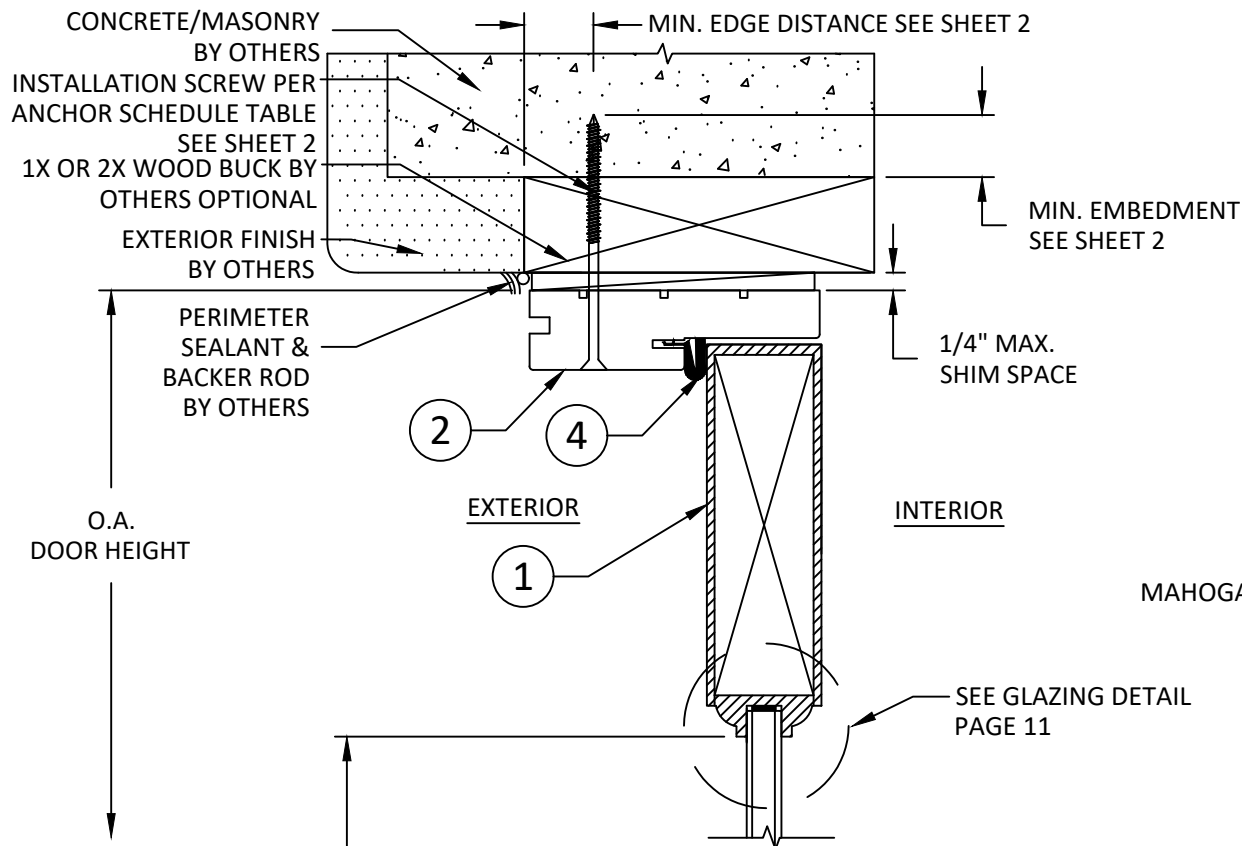
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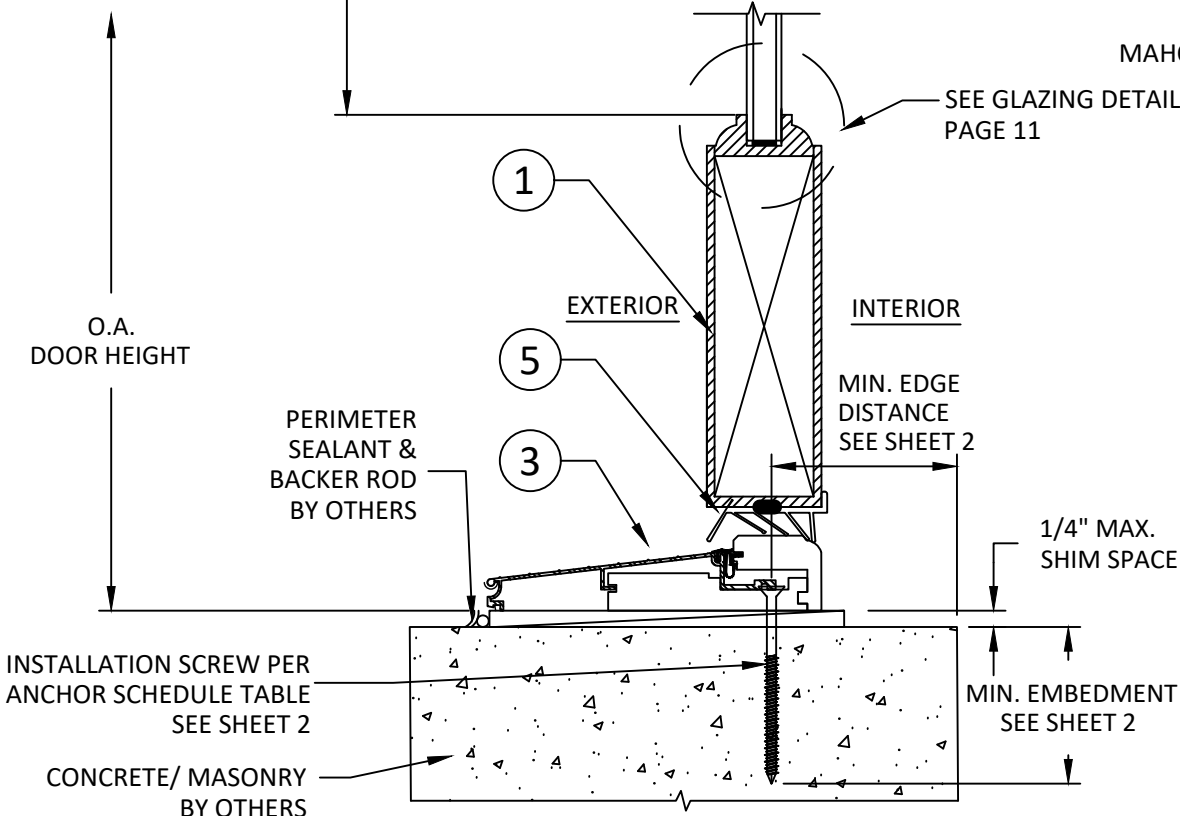
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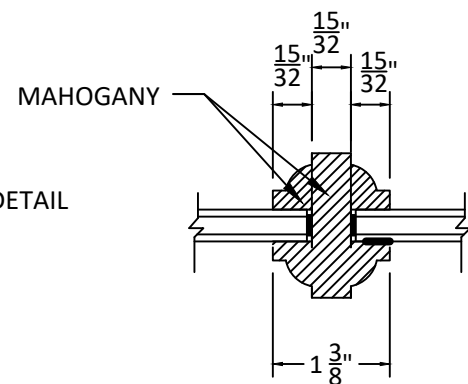
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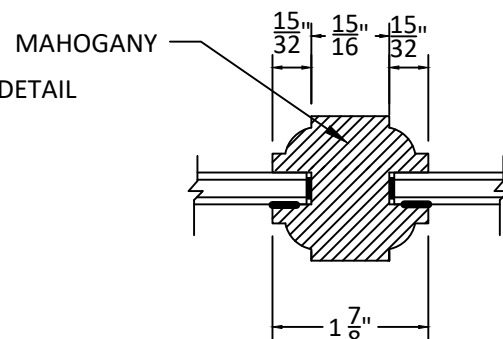
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5 **VERTICAL SECTION**
HEAD - THROUGH FRAME
CONCRETE OR CMU (1X OR 2 X WOOD BUCK)



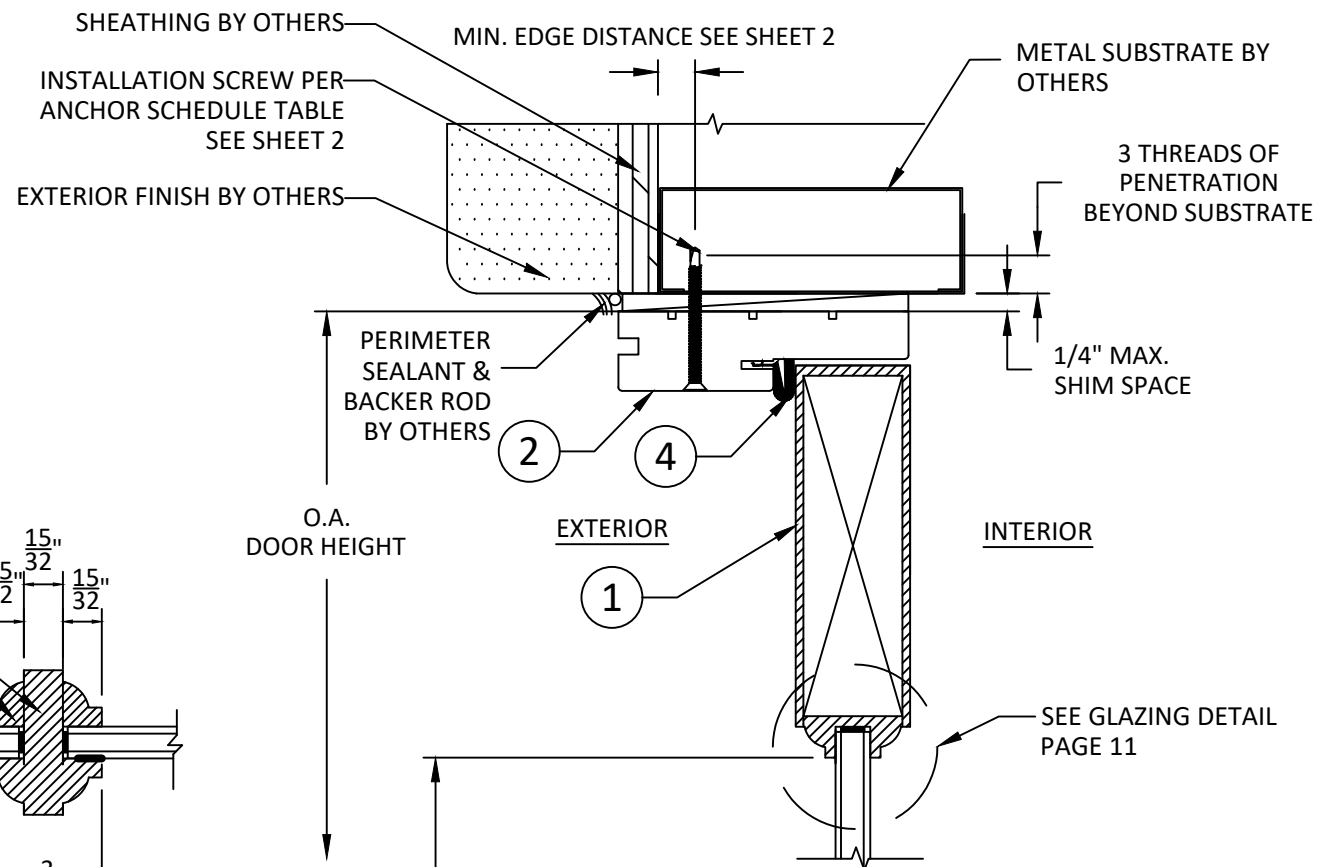
C
5 **VERTICAL SECTION**
SILL - THRESHOLD INSTALLATION
CONCRETE SILL



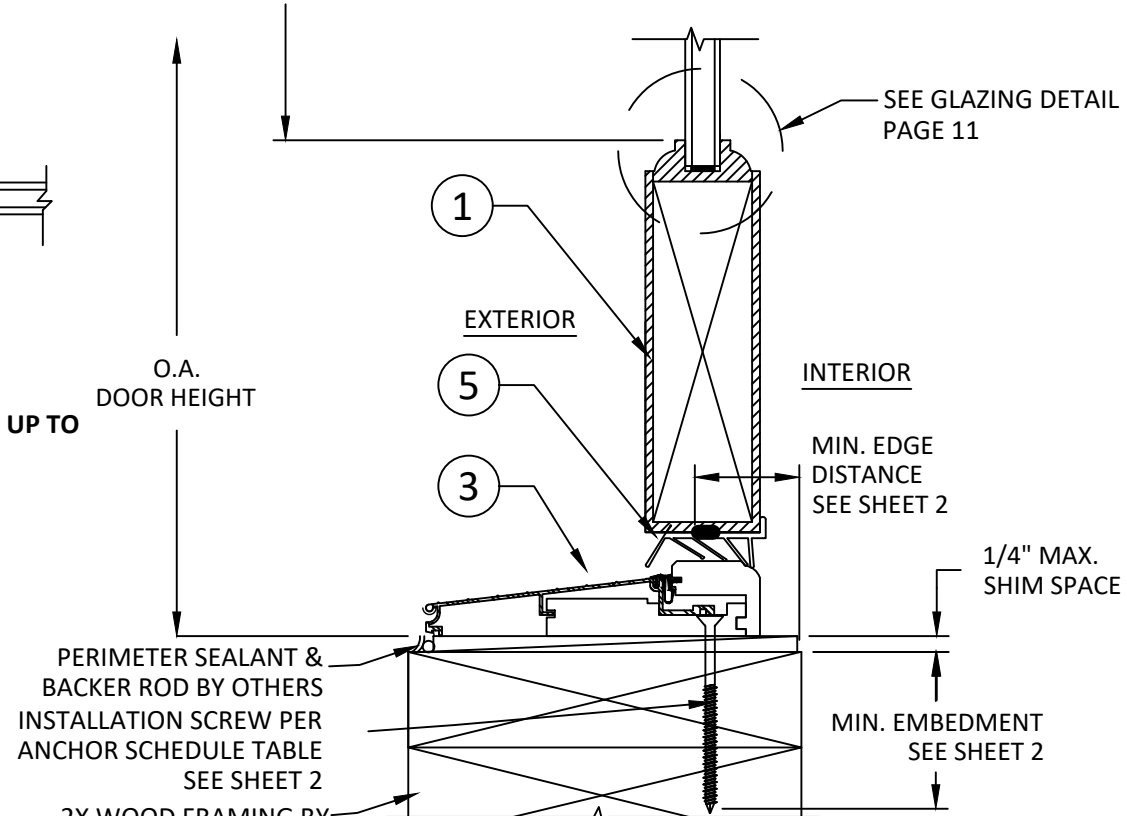
MUNTIN 1
TO BE USED ON GLASS SIZE UP TO
7.9" W X 11.8" H



MUNTIN 2
TO BE USED ON GLASS SIZE UP TO
8.00" W X 15.3" H



B
5 **VERTICAL SECTION**
HEAD - THROUGH FRAME
METAL STUD (ALUMNIUM OR STEEL)



D
5 **VERTICAL SECTION**
SILL - THRESHOLD INSTALLATION
WOOD FRAME SILL

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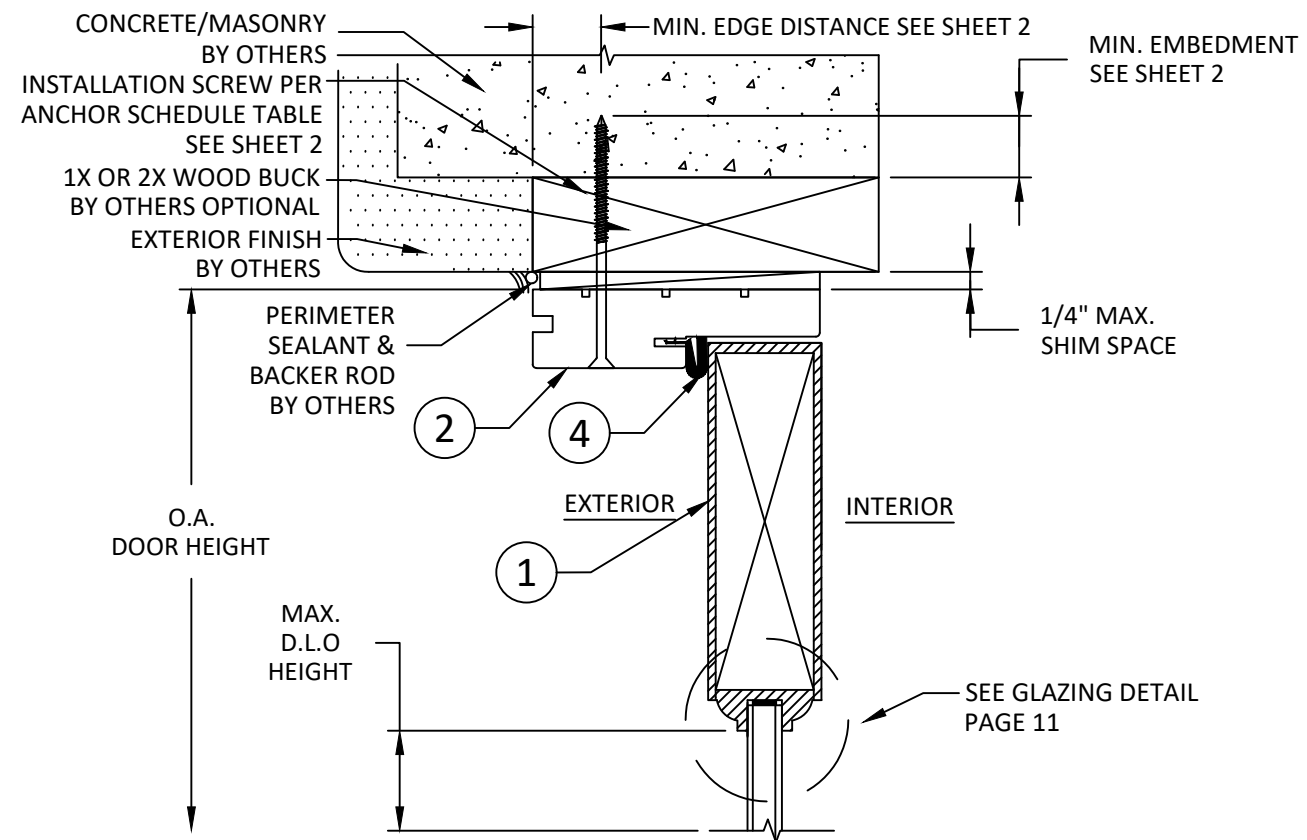
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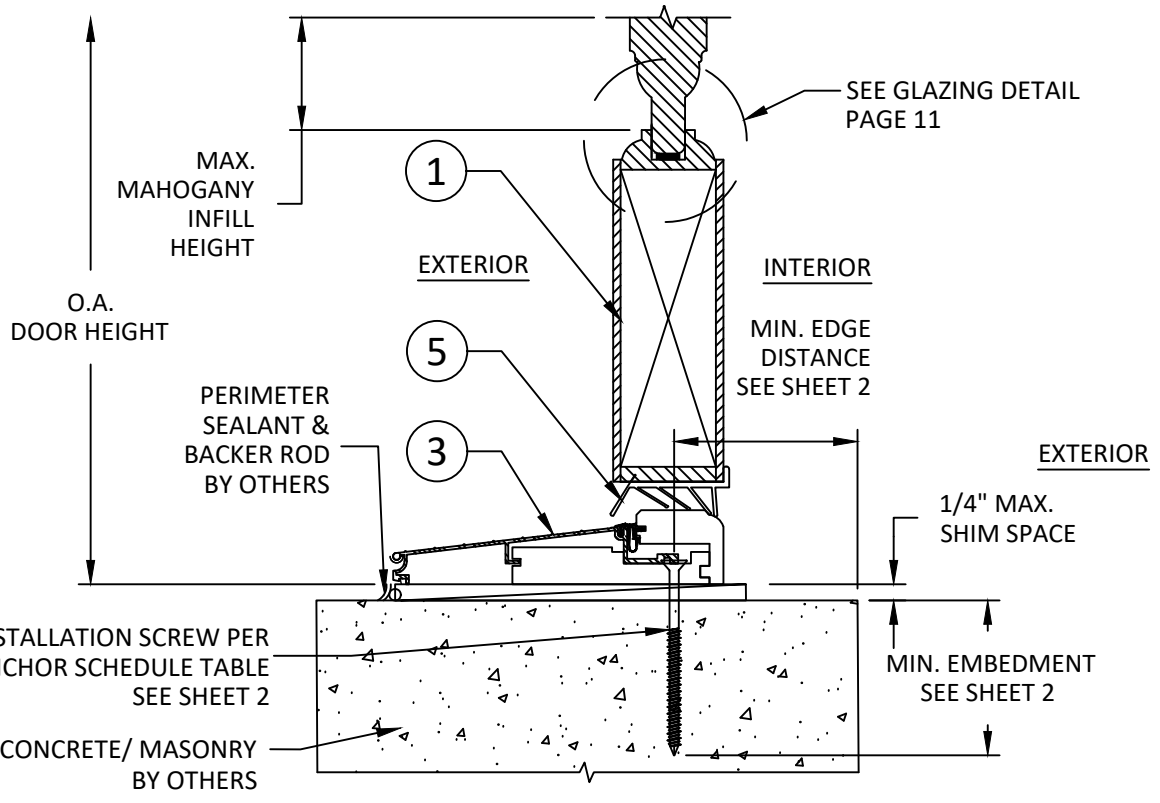
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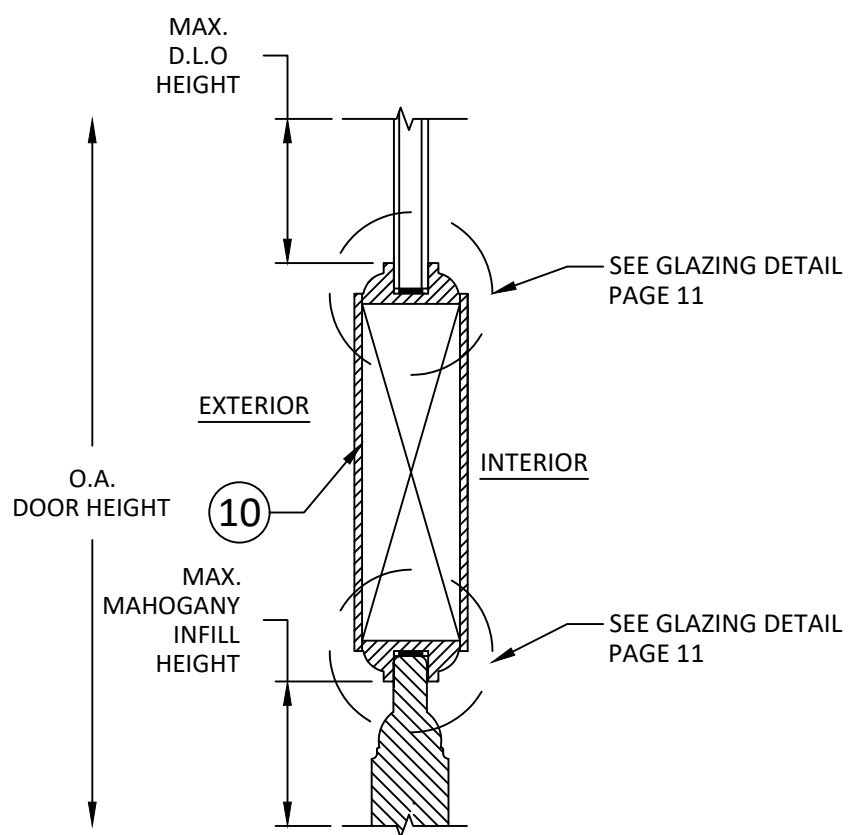
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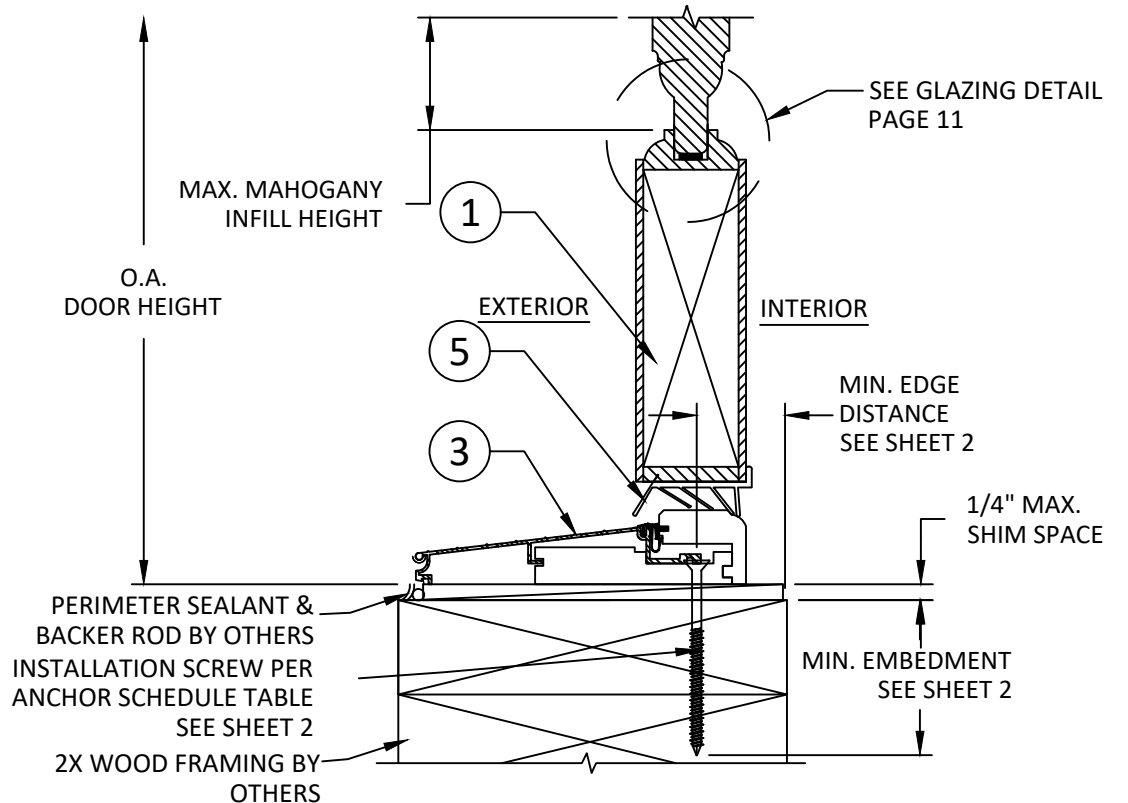
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6 **VERTICAL SECTION**
HEAD - THROUGH FRAME
CONCRETE OR CMU (1X OR 2 X WOOD BUCK)



C
6 **VERTICAL SECTION**
SILL - THRESHOLD INSTALLATION
CONCRETE SILL



B
6 **VERTICAL SECTION**
MIDSTILE



D
6 **VERTICAL SECTION**
SILL - THRESHOLD INSTALLATION
WOOD FRAME SILL

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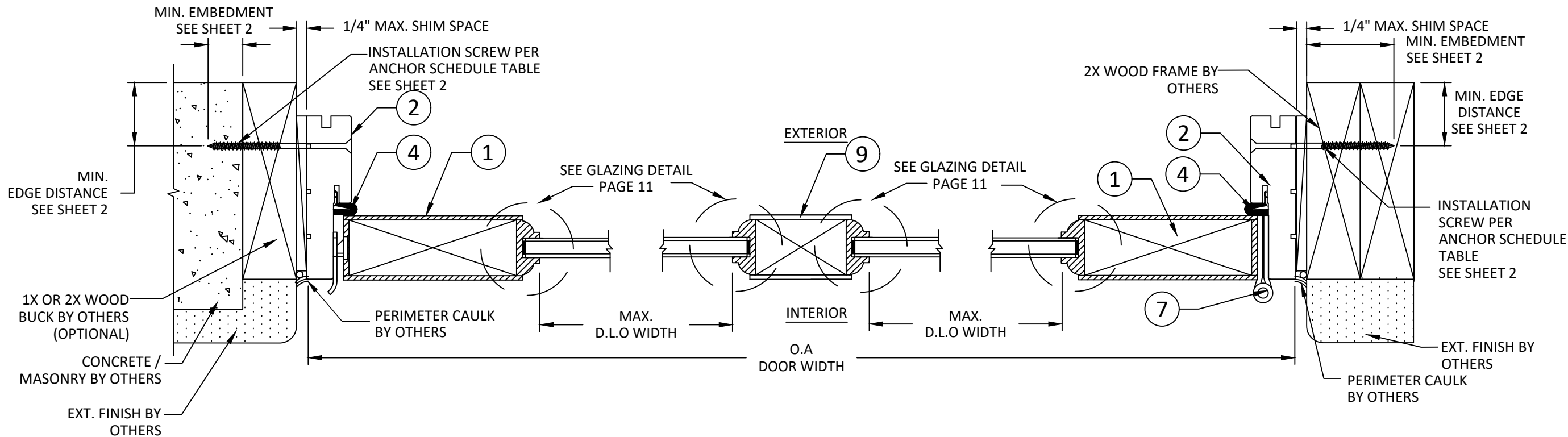
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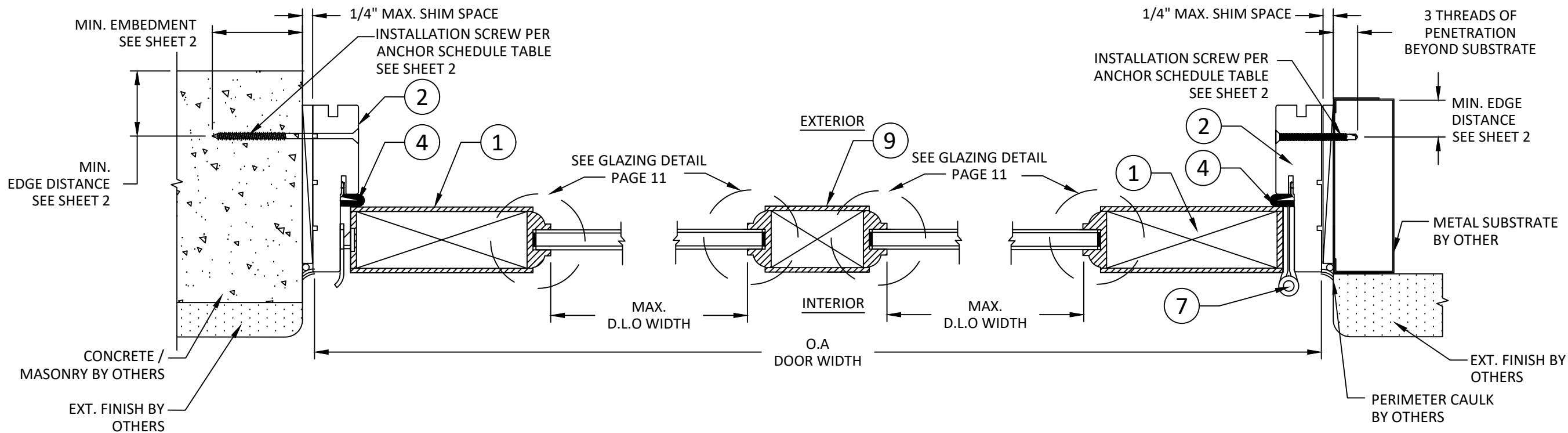
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A **HORIZONTAL SECTION**
7 JAMB (LOCK SIDE) - THROUGH FRAME
CONCRETE OR CMU(1X OR 2X WOOD BUCK)

B **HORIZONTAL SECTION**
7 MID-STILE

C **HORIZONTAL SECTION**
7 JAMB (HINGE SIDE) - THROUGH FRAME
2X WOOD FRAME



D **HORIZONTAL SECTION**
7 JAMB (LOCK SIDE) - THROUGH FRAME
CONCRETE OR CMU

B **HORIZONTAL SECTION**
7 MID-STILE

E **HORIZONTAL SECTION**
7 JAMB (HINGE SIDE) - THROUGH FRAME
METAL STUD(ALUMINUM OR STEEL)

TITLE: GLAZED WOOD INSWING
SIDE-HINGED DOOR
W/ OR W/O SIDELITES
(NON-HVHZ)(NON-IMPACT)
HORIZONTAL SECTIONS

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

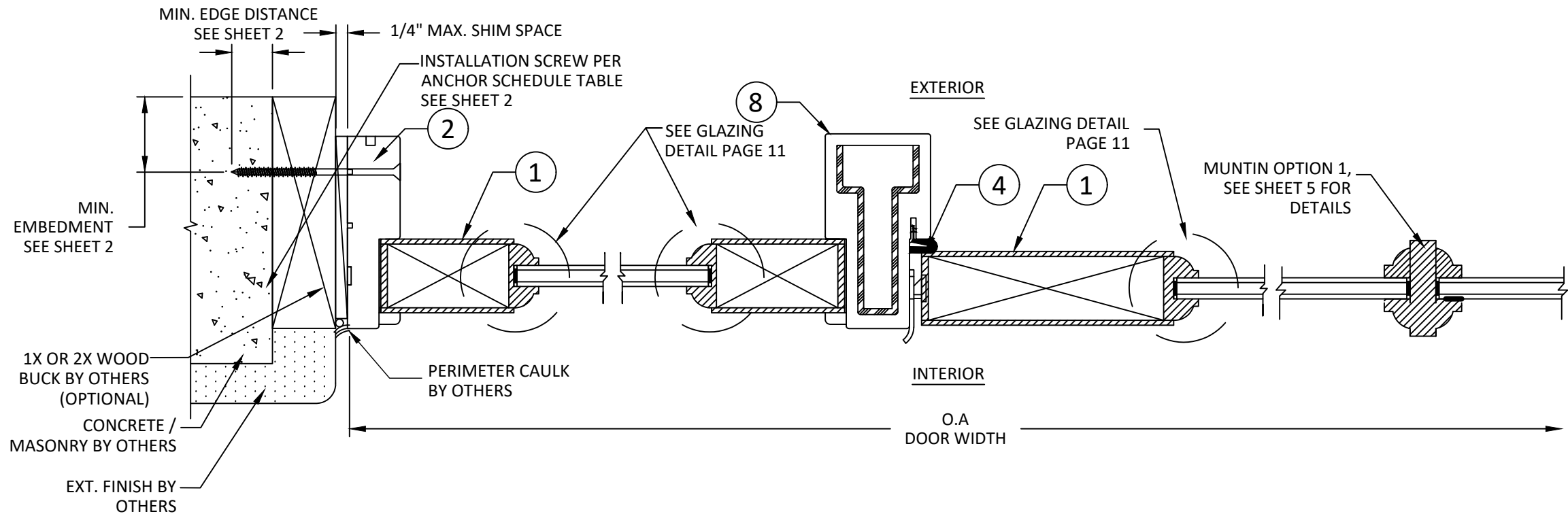
REMARKS	BY	DATE

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FL #:	FL33277
DATE:	06.03.2020
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PCB001
SHEET:	7

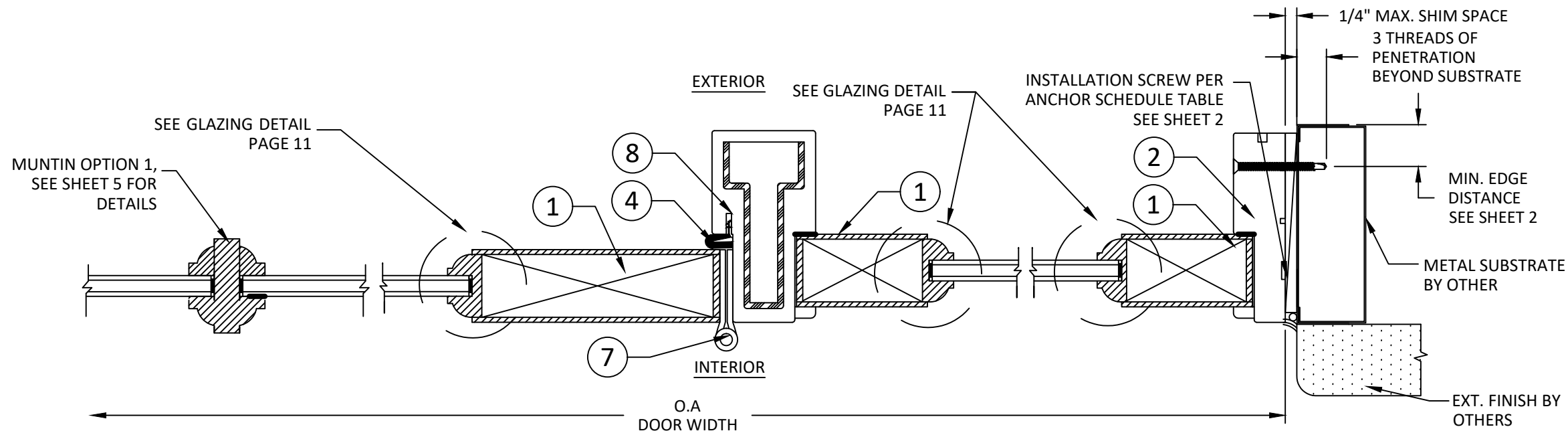
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A **HORIZONTAL SECTION**
8 JAMB- THROUGH FRAME
CONCRETE OR CMU(1X OR 2X WOOD BUCK)

B **HORIZONTAL SECTION**
8 MULLION POST

C **HORIZONTAL SECTION**
8 MUNTIN OPTION 1



D **HORIZONTAL SECTION**
8 MUNTIN OPTION 1

E **HORIZONTAL SECTION**
8 MULLION POST

F **HORIZONTAL SECTION**
8 JAMB- THROUGH FRAME
METAL STUD(ALUMINUM OR STEEL)

TITLE: GLAZED WOOD INSWING
SIDE-HINGED DOOR
W/ OR W/O SIDELITES
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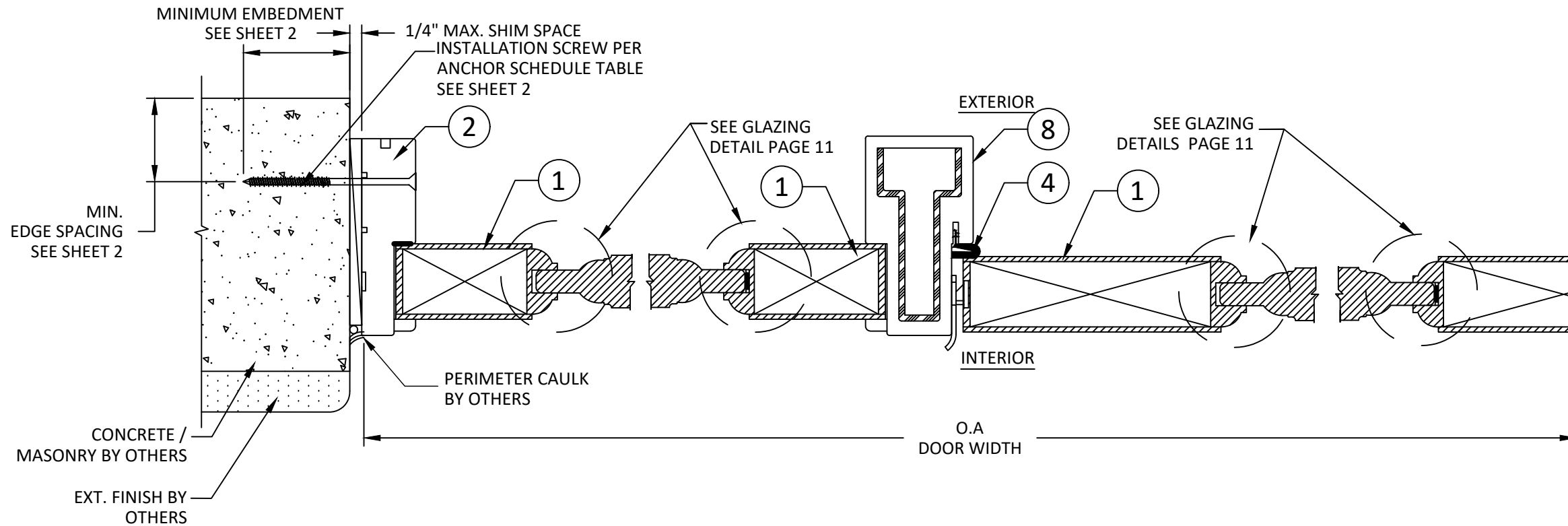
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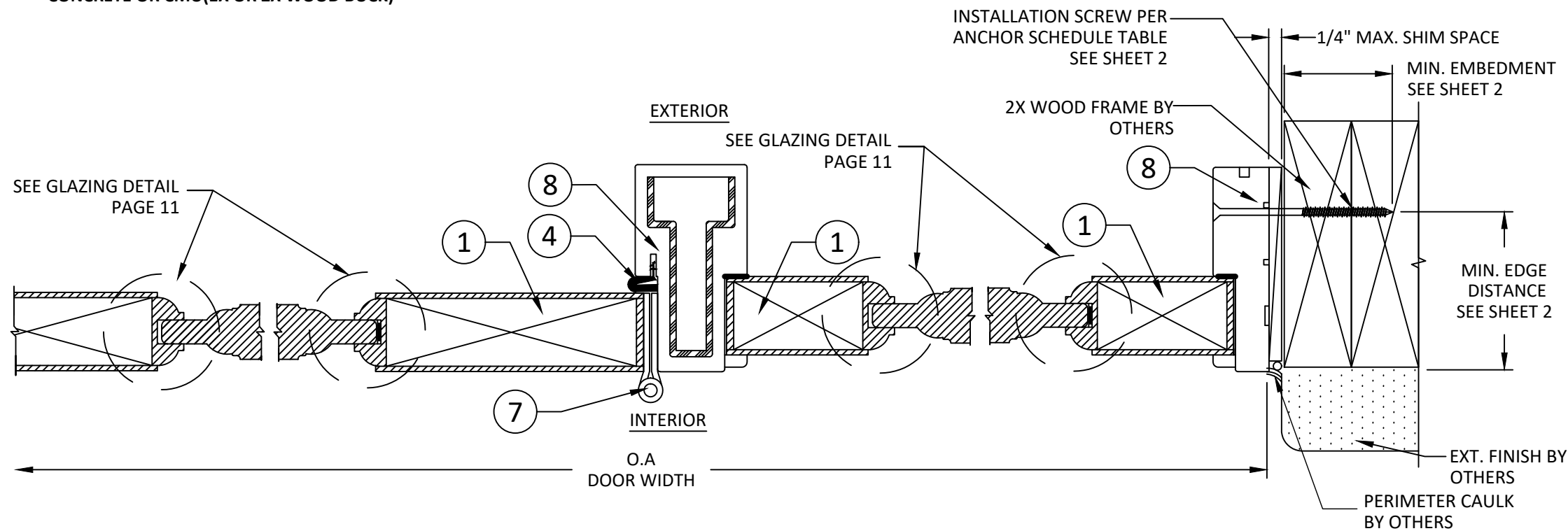
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A **HORIZONTAL SECTION**
9 JAMB - THROUGH FRAME
CONCRETE OR CMU(1X OR 2X WOOD BUCK)

B **HORIZONTAL SECTION**
9 MULLION POST

C **HORIZONTAL SECTION**
9 WOOD INFILL PANEL



D **HORIZONTAL SECTION**
9 WOOD INFILL PANEL

B **HORIZONTAL SECTION**
9 MULLION POST

F **HORIZONTAL SECTION**
9 JAMB - THROUGH FRAME
2X WOOD FRAME

TITLE: GLAZED WOOD INSWING
SIDE-HINGED DOOR
W/ OR W/O SIDELITES
(NON-HVHZ)(NON-IMPACT)
HORIZONTAL SECTIONS

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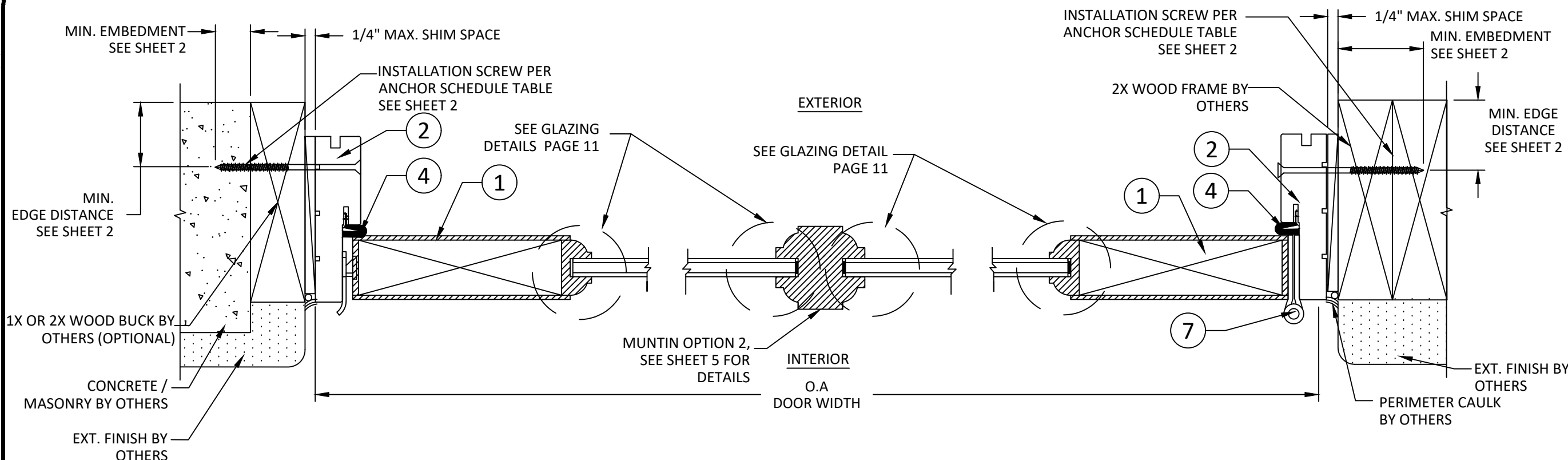
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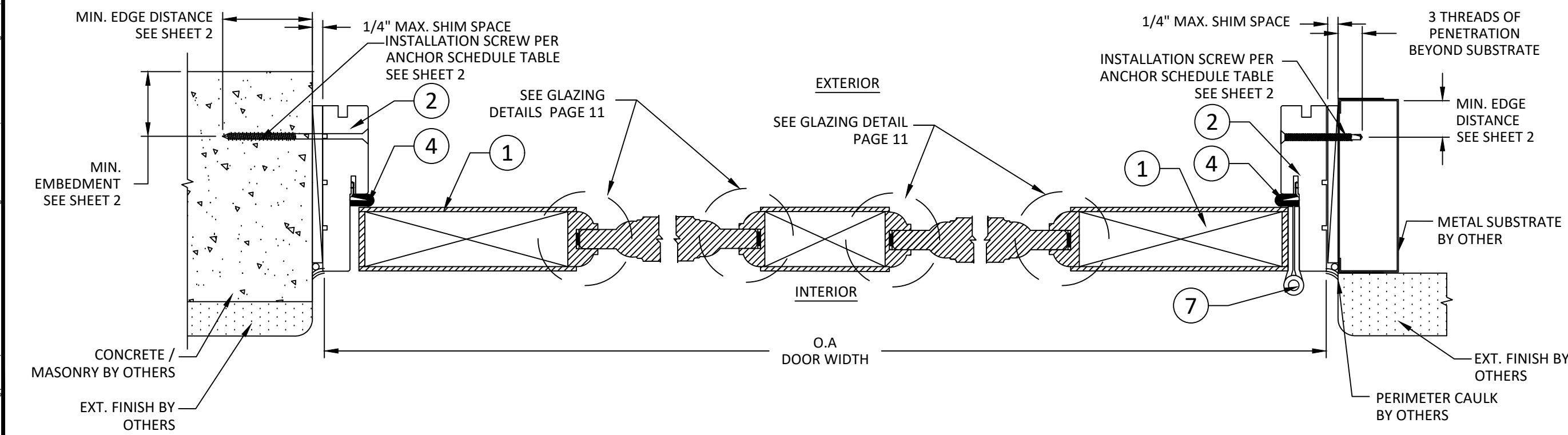
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A
10 **HORIZONTAL SECTION**
JAMB (LOCK SIDE) - THROUGH FRAME
CONCRETE OR CMU(1X OR 2X WOOD BUCK)

B
10 **HORIZONTAL SECTION**
MUNTIN OPTION 2

C
10 **HORIZONTAL SECTION**
JAMB (HINGE SIDE) - THROUGH FRAME
2X WOOD FRAME



D
10 **HORIZONTAL SECTION**
JAMB (LOCK SIDE) - THROUGH FRAME
CONCRETE OR CMU

E
10 **HORIZONTAL SECTION**
MID-STILE

F
10 **HORIZONTAL SECTION**
JAMB (HINGE SIDE) - THROUGH FRAME
METAL STUD(ALUMINUM OR STEEL)



PACIFIC CREST
BUILDING PRODUCTS

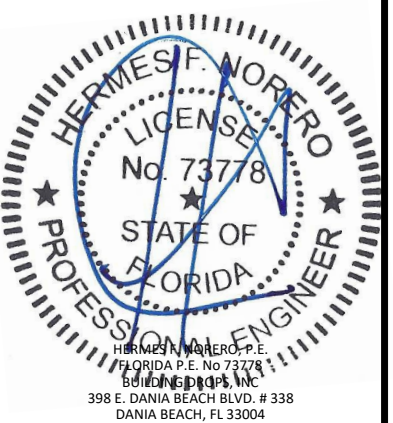
4227 SOUTH MERIDIAN, C-114.
PUYALLUP, WA 98373
PH: (253)-447-7686

TITLE: GLAZED WOOD INSWING
SIDE-HINGED DOOR
W/ OR W/O SIDELITES
(NON-HVHZ)(NON-IMPACT)
HORIZONTAL SECTIONS

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LICENSED PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
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

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FL33277

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SCALE: **NTS**

DWG. #: **PCB001**

SHEET:
10

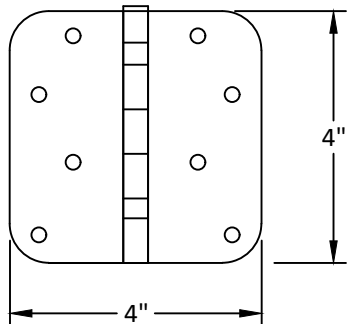
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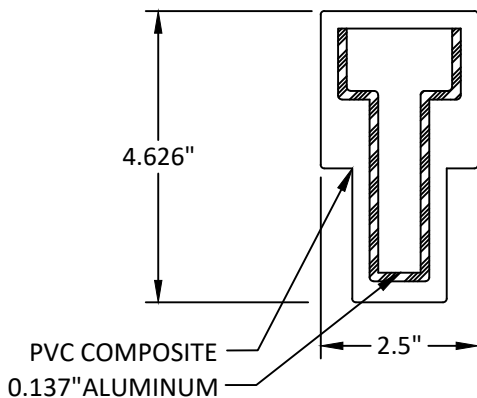
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BILL OF MATERIALS			
PART	MODEL#	DESCRIPTION	MATERIAL
1	---	STILE/RAIL	FINGER JOINT PINE CORE
2	---	JAMBS	PVC
3	99-496-921B	THRESHOLD	PVC/ALUMNIUM
4	---	WEATHERSTRIP(Q-LON BRONZE)	PE FILM + PU FOAM
5	KS-310	DOOR SWEEP	PLASTIC
6	---	#8 X 2-1/2" FOR FRAME ASSEMBLY	---
7	10-RBB-10B	4" X 4" BALL BEARING HINGES	STEEL
8	---	MULLION	PVC/ALUMINUM
9	---	HORIZONTAL RAIL	FINGER JOINT PINE CORE
10	---	VERTICAL RAIL	FINGER JOINT PINE CORE

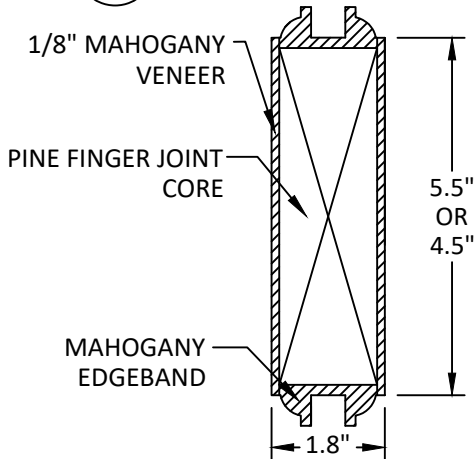
7 HINGES
STEEL



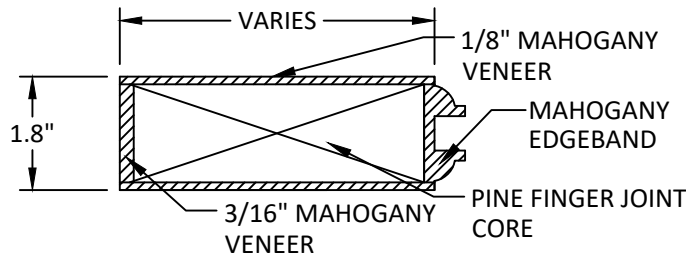
8 MULLION
PVC W/ ALUMINUM



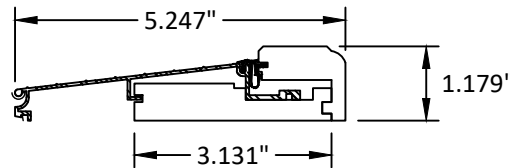
10 MID STILE
PINE,LVL CORE, WITH 1/8 VENEER



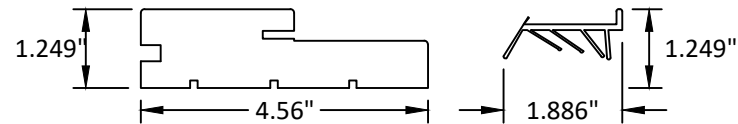
1 STILE/RAIL
PINE,LVL CORE, WITH 1/8 VENEER



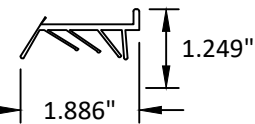
3 THRESHOLD
PVC COMPOSITE WITH ALUMINUM



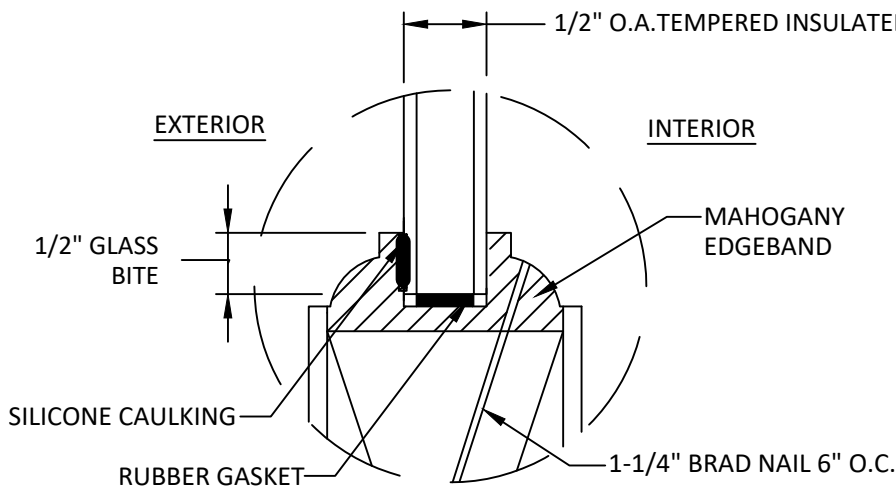
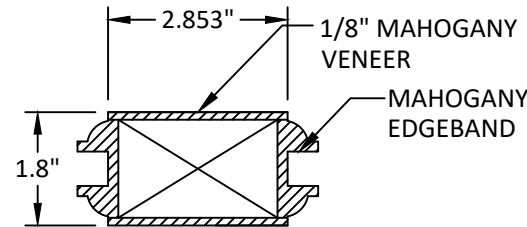
2 JAMBS
PVC COMPOSITE



5 DOOR SWEEP
VINYL

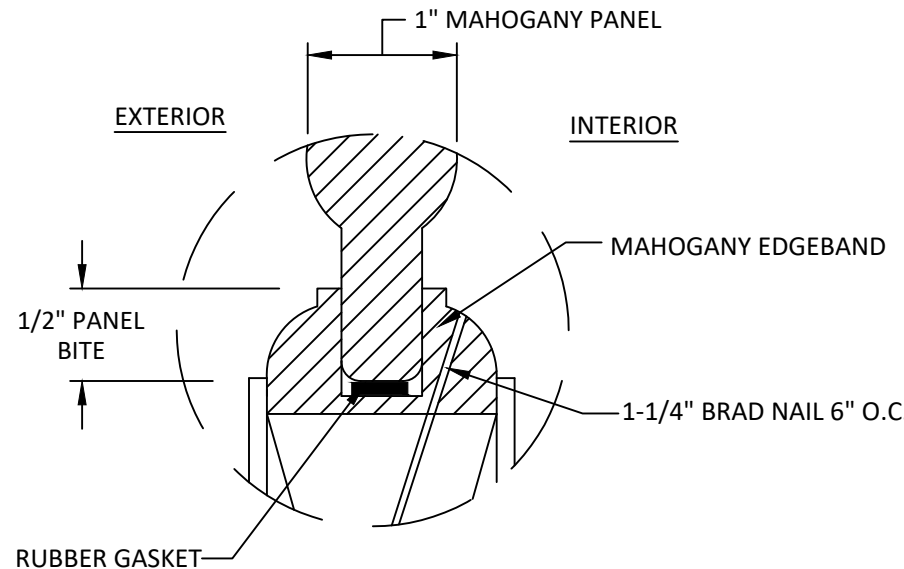


9 HORIZONTAL RAIL
PINE,LVL CORE, WITH 1/8 VENEER



GLAZING DETAIL 1

GLAZING NOTES:
1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.



GLAZING DETAIL 2

PACIFIC CREST
BUILDING PRODUCTS
PACIFIC CREST
BUILDING PRODUCTS
4227 SOUTH MERIDIAN, C-114.
PUYALLUP, WA 98373
PH: (253)-447-7686

TITLE: GLAZED WOOD INSWING
SIDE-HINGED DOOR
W/ OR W/O SIDELITES
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BILL OF MATERIAL AND COMPONENTS

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