

ODL, INC.

OUTSWING GLAZED FIBERGLASS DOOR

(HVHZ)(IMPACT)

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E1886-19
 - ASTM E1996-20
2.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5.

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.
6.

APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7.

GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
8.

DOOR SKIN MATERIAL: FIBERGLASS

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PRODUCT SPECIFICATIONS						
CONFIGURATION	MAX. DOOR PANEL SIZE	MAX. SIDELITE PANEL SIZE	JAMB TYPE	HARDWARE	DESIGN PRESSURE (PSF)	MISSILE IMPACT RATING
OXXO, OXX, XXO, XX, OXO, OX, XO, X	35.75" X 95.25"	35.75" X 94.50"	COMPOSITE	SCHLAGE F SERIES LOCKSET, KWIK SET SIGNATURE LOCKSET	+/- 50	LARGE & SMALL MISSILE IMPACT
			WOOD			
OXXO, OXX, XXO, OXO, OX, XO	35.75" X 79.25"	35.75" X 78.50"	COMPOSITE		+/- 50	
OXXO, OXX, XXO, XX			WOOD		+/- 60	
XX			COMPOSITE			
OXO, OX, XO, X	35.75" X 79.25"	35.75" X 78.50"	WOOD		+/- 65	
X, O	35.75" X 79.25"	35.75" X 78.50"	COMPOSITE			

WATER TEST PRESSURE: 9.75 PSF



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE:
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FIBERGLASS DOOR
(HVHZ) (IMPACT)

GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132

PH: (954) 399-8478

FAX: (954) 744-4738

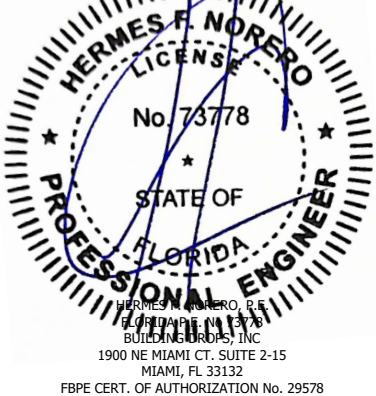
WEB: www.buildingdrops.com



REMARKS	BY	DATE
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B: DP TABLE REVISION	JR	03/26

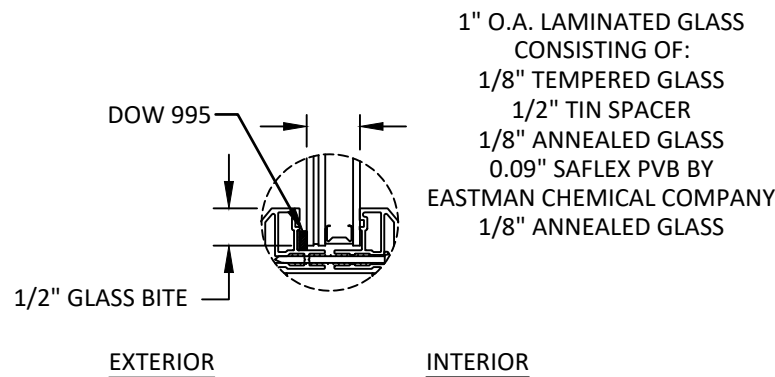
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.04.09 10:55:37 -04'00'

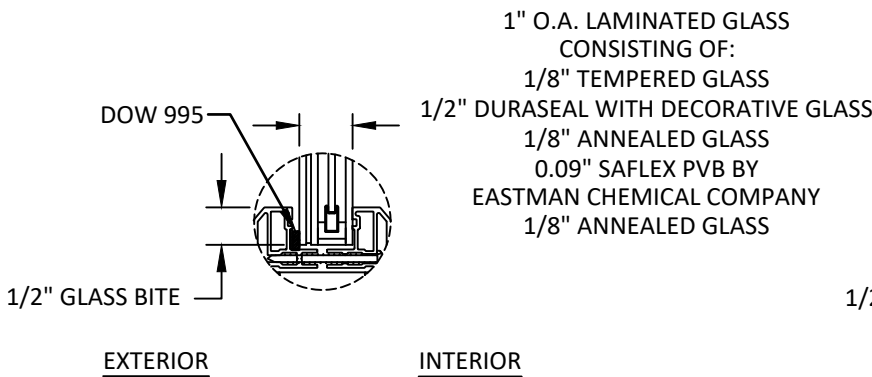


FL #:	FL47392
DATE:	03.31.2026
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JR	HFN
SCALE:	NTS
DWG. #:	ODL002
SHEET:	1
	OF 17

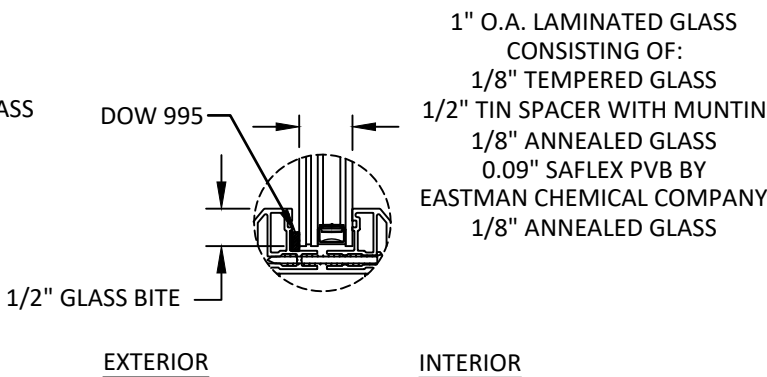
SEVERE WEATHER FRAME GLAZING



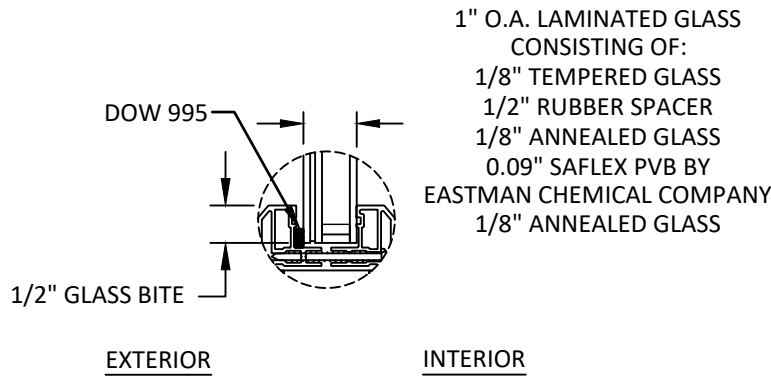
GLAZING DETAIL 1
INTERCEPT SPACER



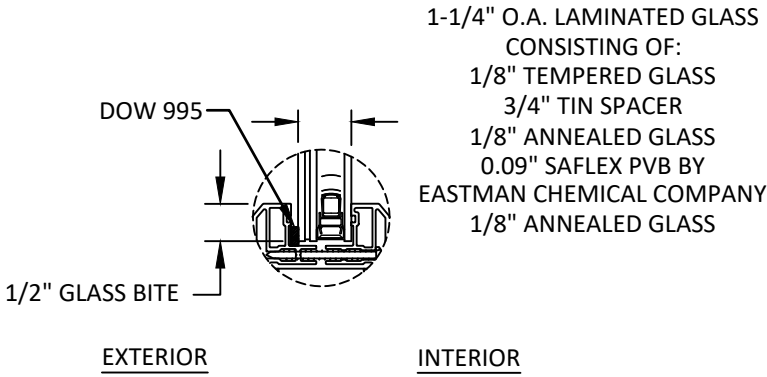
GLAZING DETAIL 2
DECORATIVE



GLAZING DETAIL 3
INTERCEPT SPACER WITH OPTIONAL MUNTIN



GLAZING DETAIL 4
SUPER SPACER



GLAZING DETAIL 5
WARMEGE OPERABLE BLIND

- GLAZING NOTES:
- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 - D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



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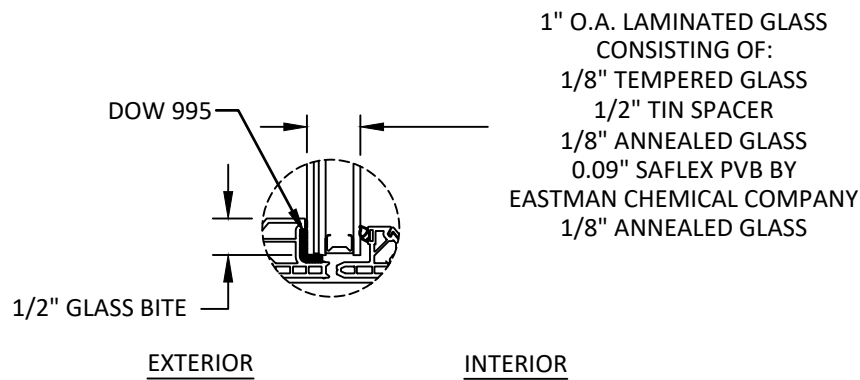
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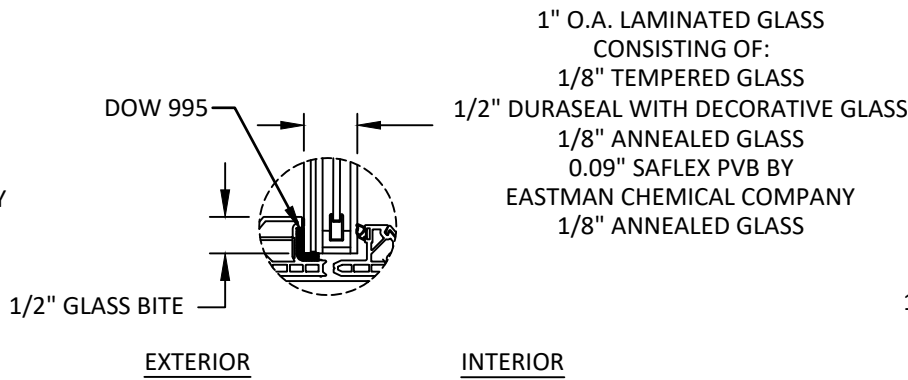


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SHEET:	2

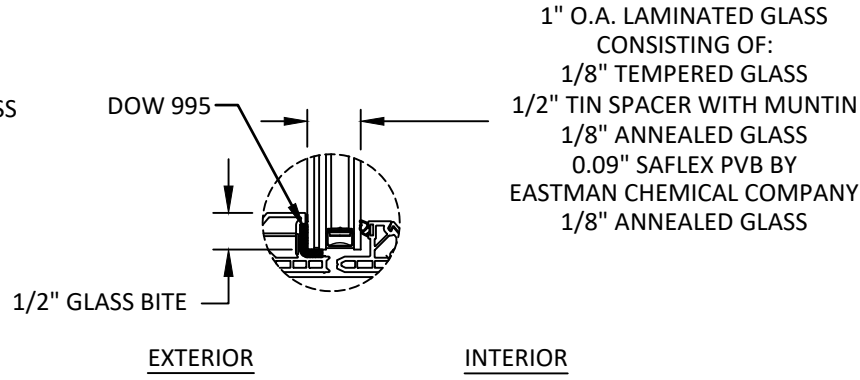
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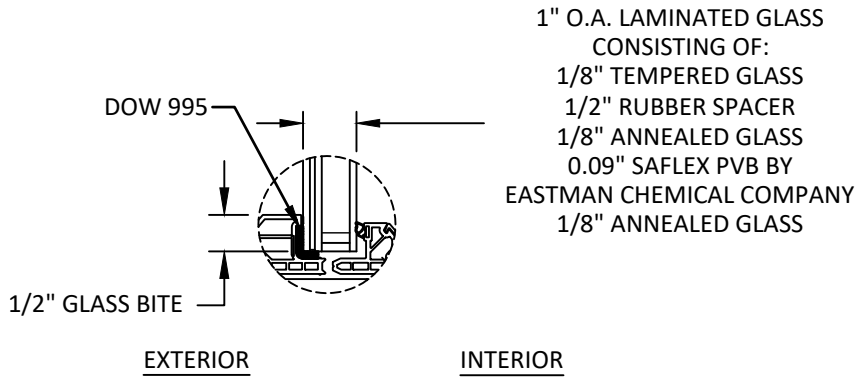
GLAZING DETAIL 6
INTERCEPT SPACER



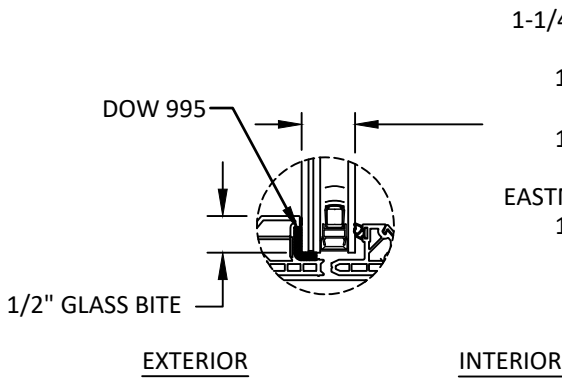
GLAZING DETAIL 7
DECORATIVE



GLAZING DETAIL 8
INTERCEPT SPACER WITH OPTIONAL MUNTIN



GLAZING DETAIL 9
SUPER SPACER



GLAZING DETAIL 10
WARMEDGE OPERABLE BLIND

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3

OF 17

ELEVATIONS

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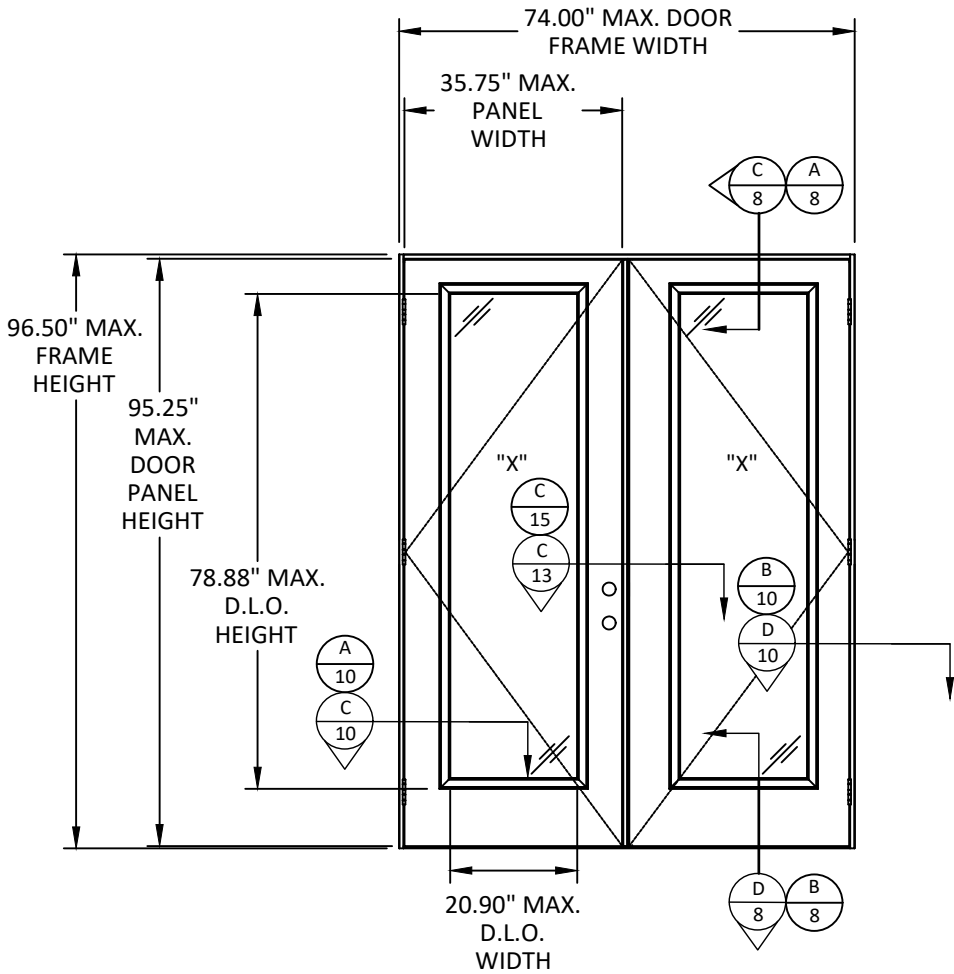
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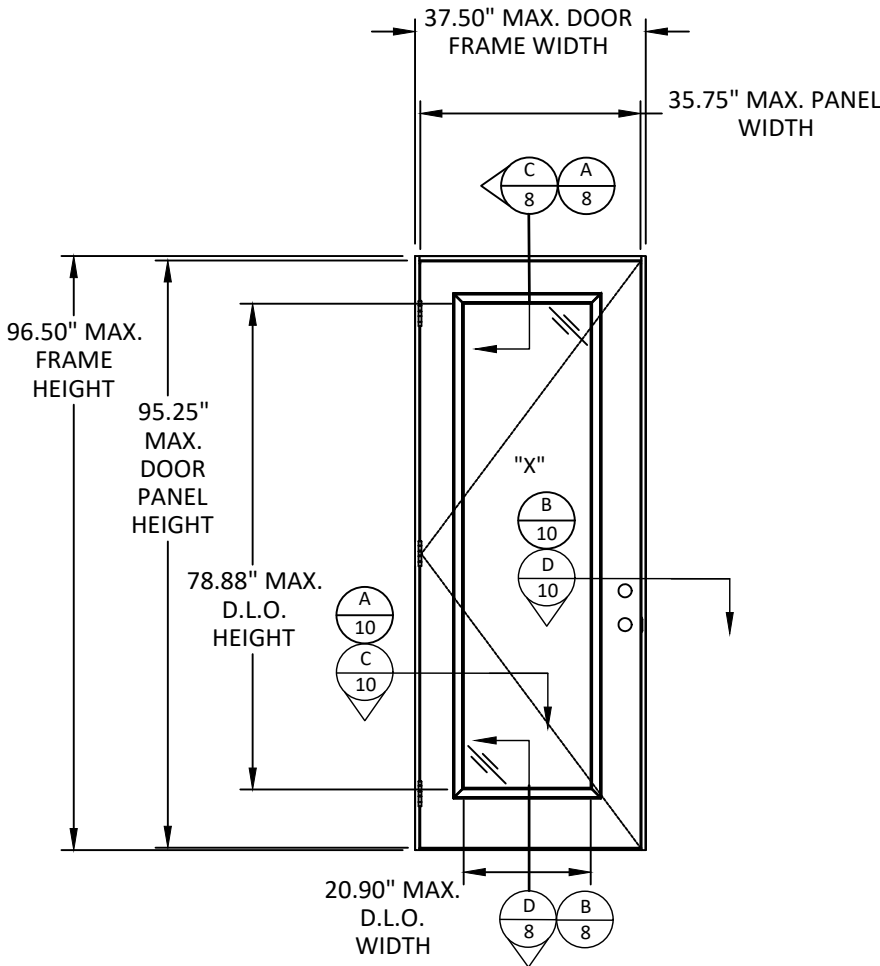
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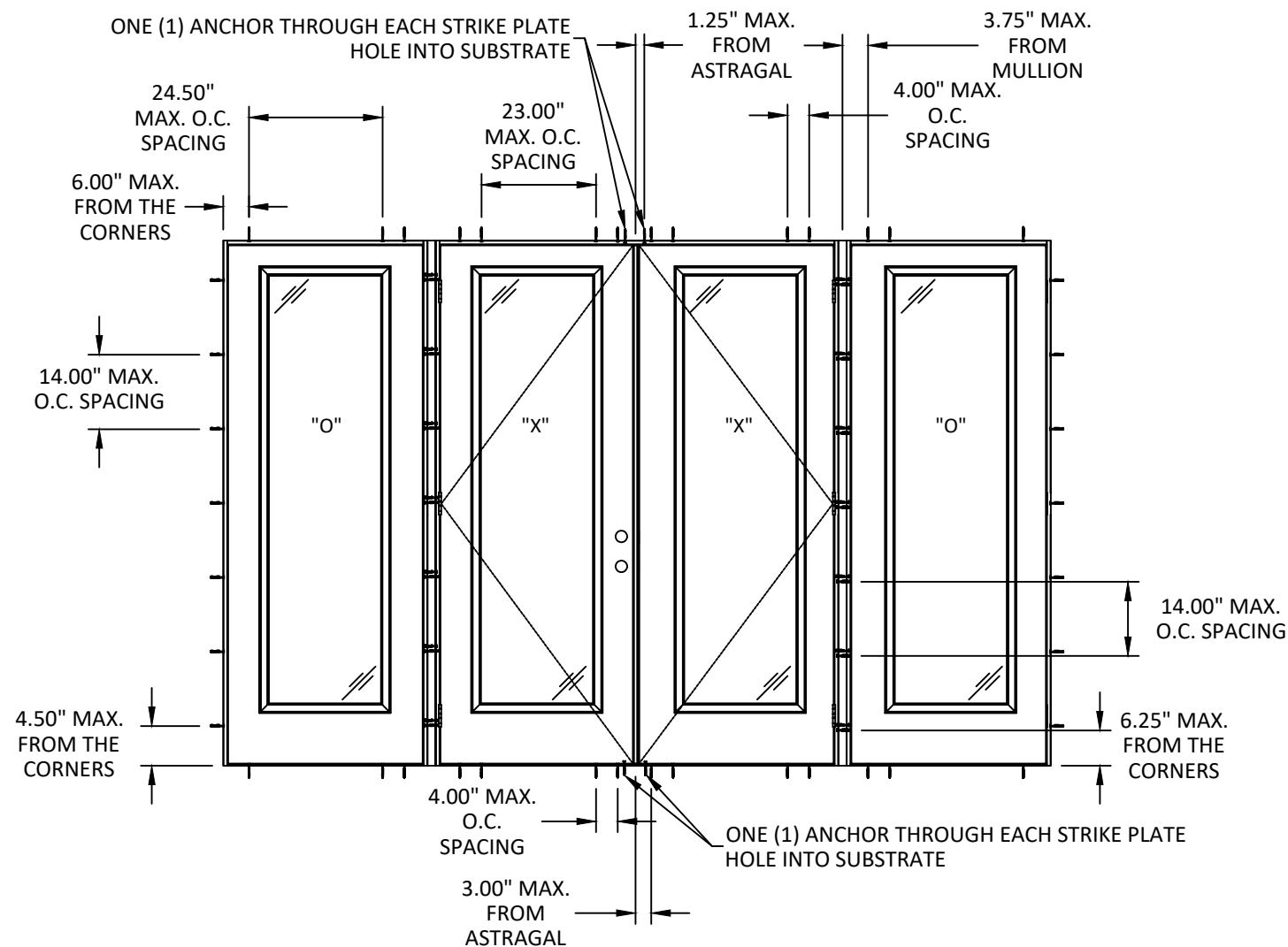


ELEVATION
XX CONFIGURATION



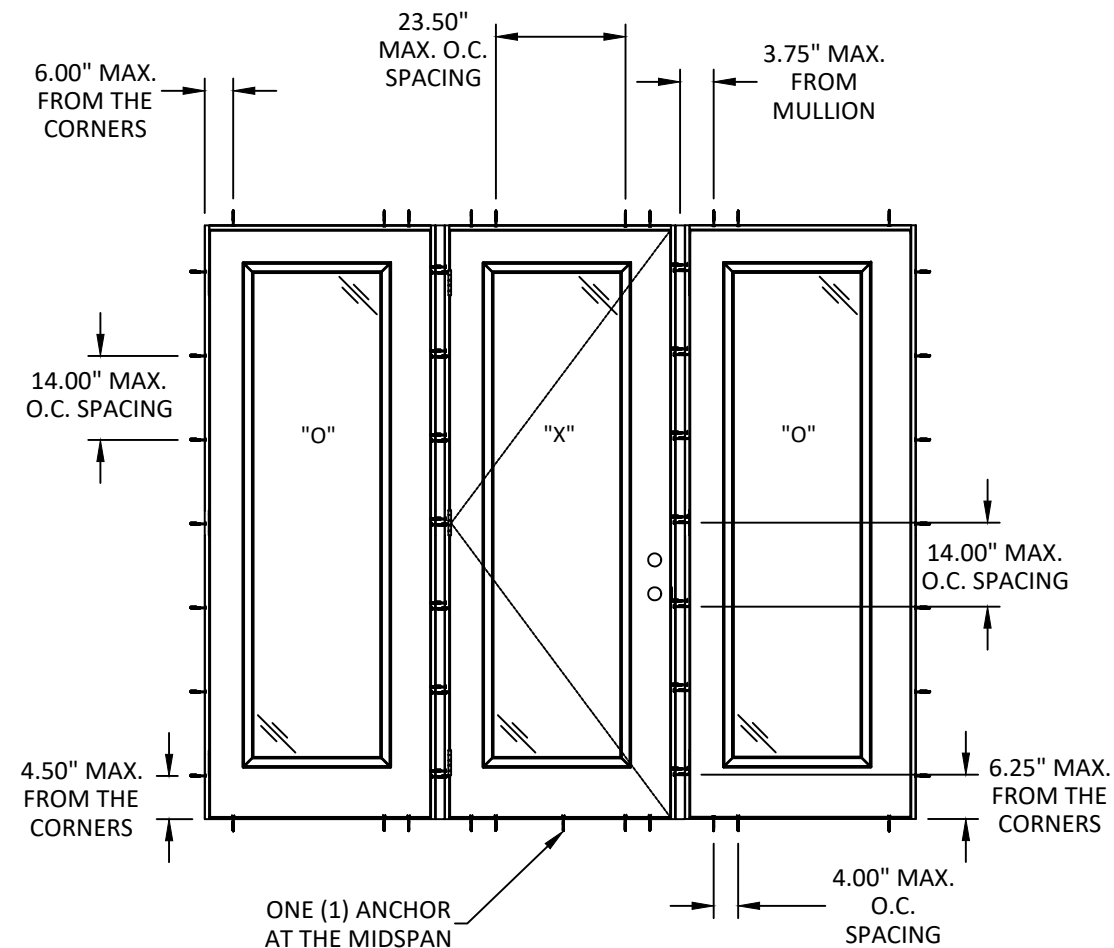
ELEVATION
X CONFIGURATION

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ANCHOR LAYOUT
OXXO CONFIGURATION
THROUGH FRAME INSTALLATION

96.5\"/>



ANCHOR LAYOUT
OXO CONFIGURATION
THROUGH FRAME INSTALLATION



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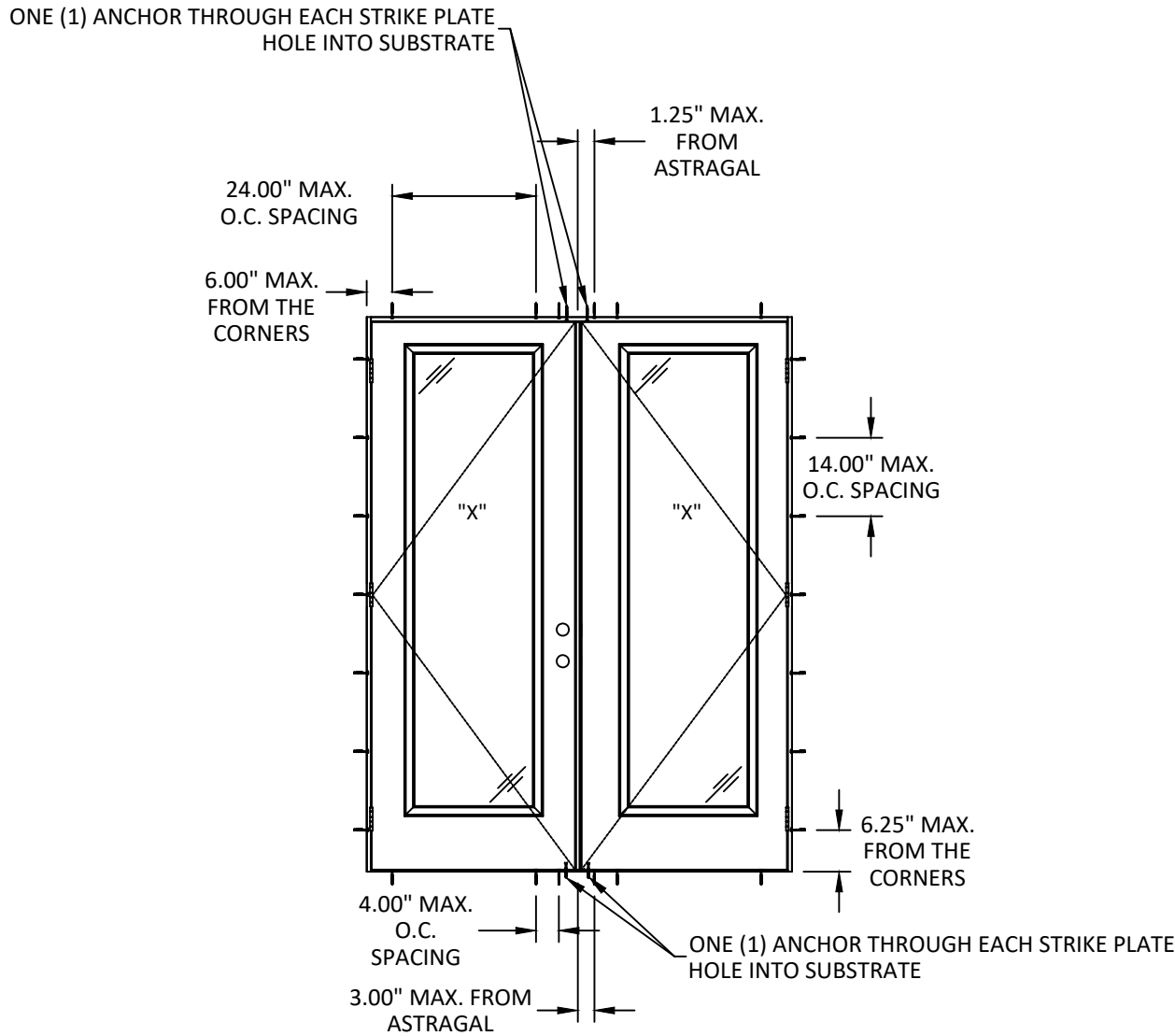
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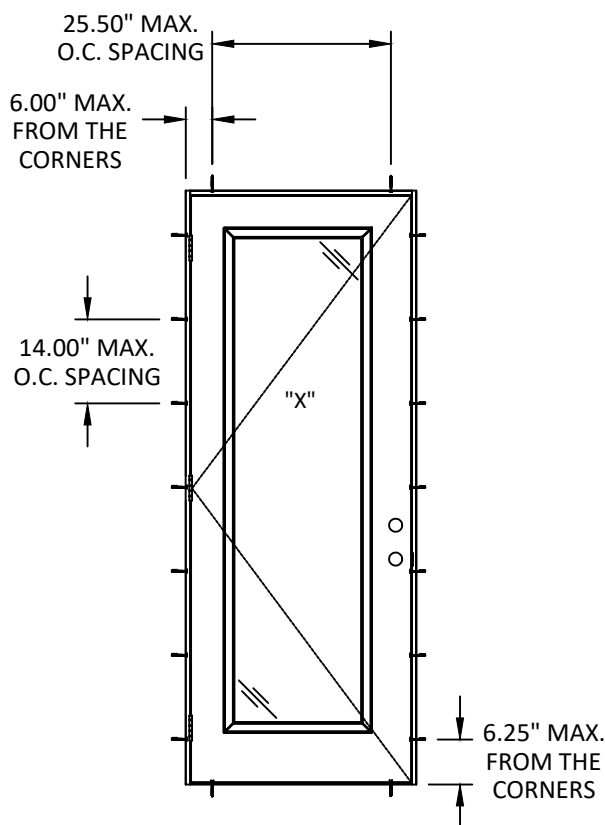
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ANCHOR LAYOUT
XX CONFIGURATION
THROUGH FRAME INSTALLATION

96.5\"/>



ANCHOR LAYOUT
X CONFIGURATION
THROUGH FRAME INSTALLATION



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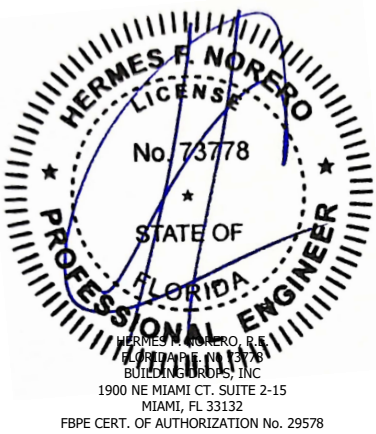
ANCHOR LAYOUT

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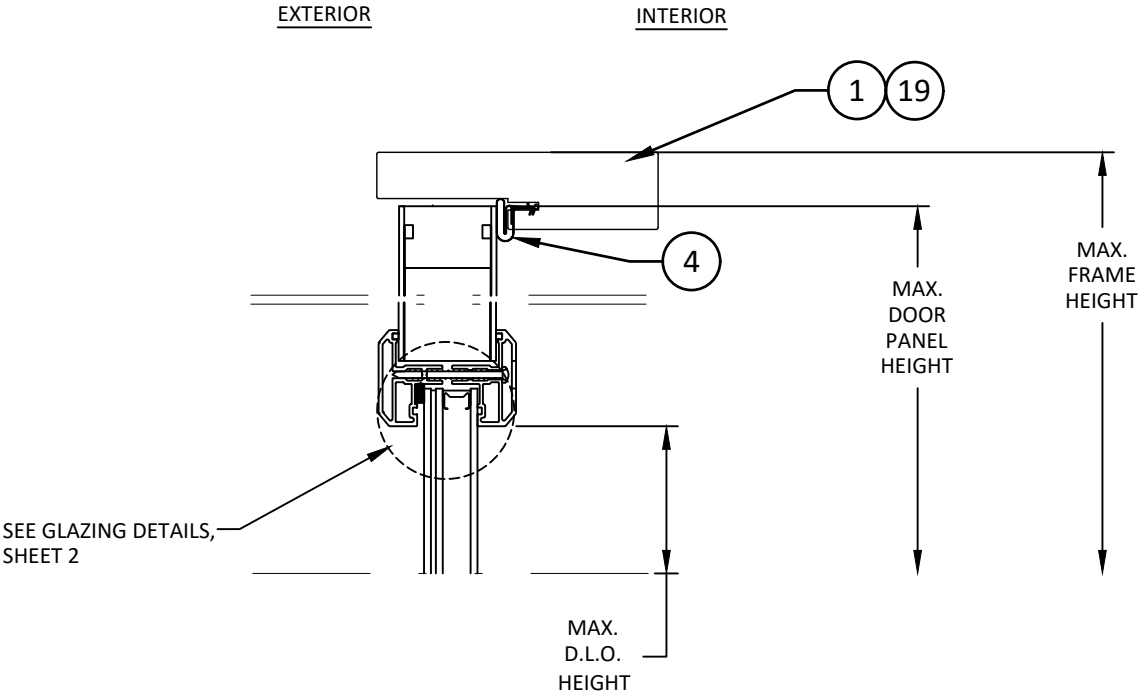
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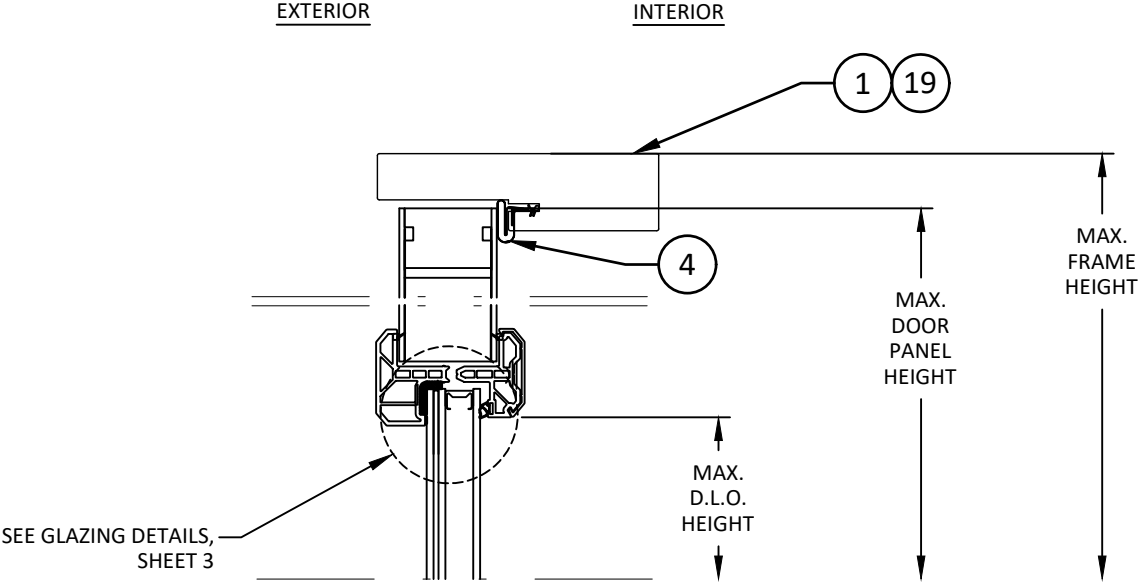


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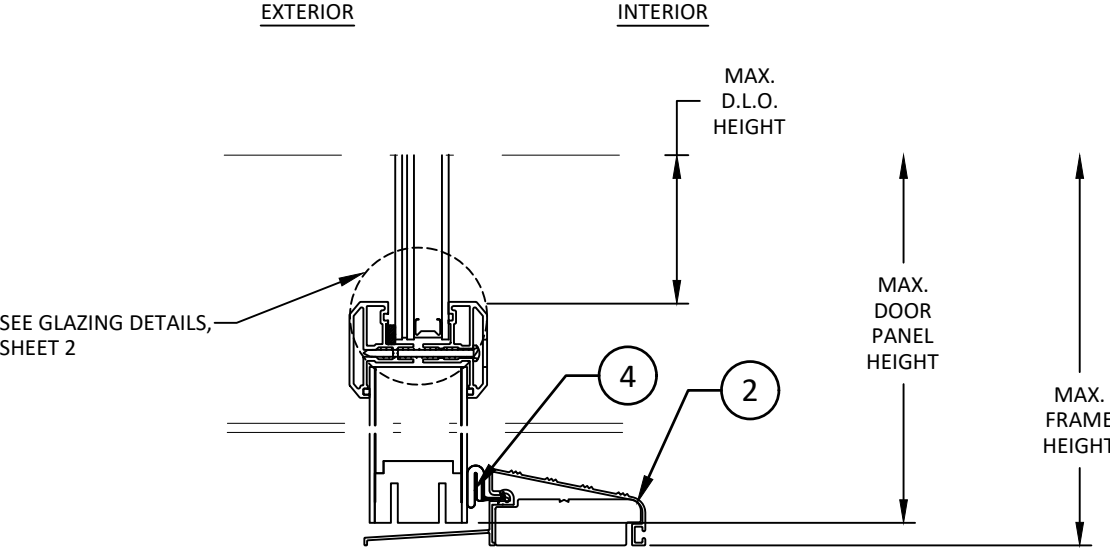
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A
8
VERTICAL SECTION
TYP. HEAD DETAIL

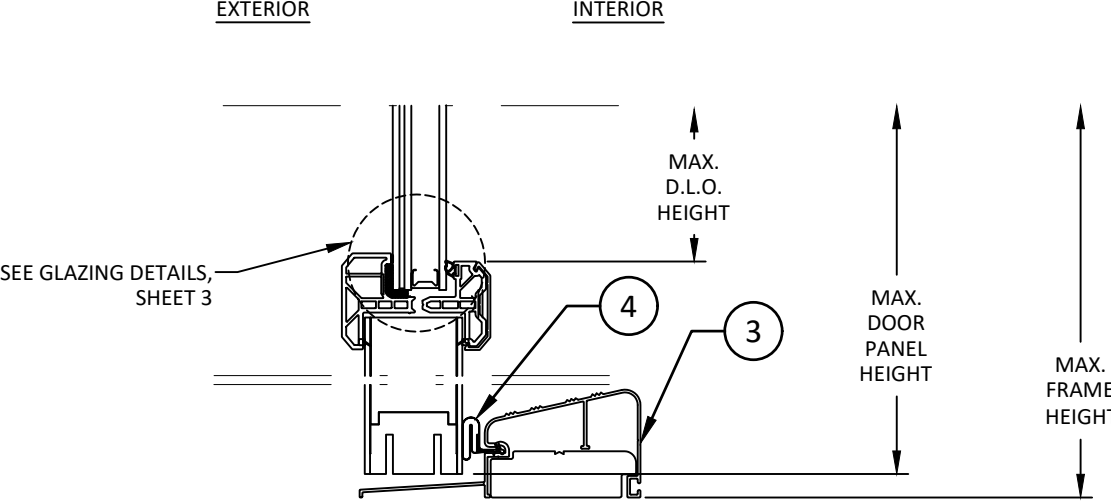


C
8
VERTICAL SECTION
TYP. HEAD DETAIL



B
8
VERTICAL SECTION
TYP. QOSH SILL DETAIL
WATER TEST PRESSURE: 9.75 PSF

SEVERE WEATHER FRAME
SHOWN, QOSH SILL QUALIFIED
WITH KEYSTONE FRAME



D
8
VERTICAL SECTION
TYP. QOSR SILL DETAIL
WATER TEST PRESSURE: 9.75 PSF

KEYSTONE FRAME SHOWN, QOSR
SILL QUALIFIED WITH SEVERE
WEATHER FRAME



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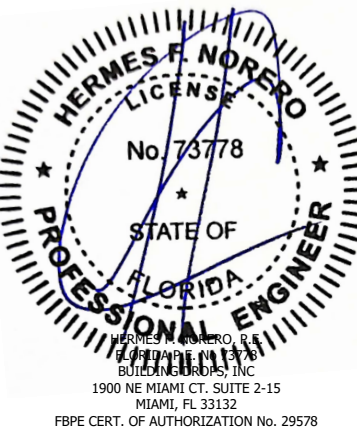
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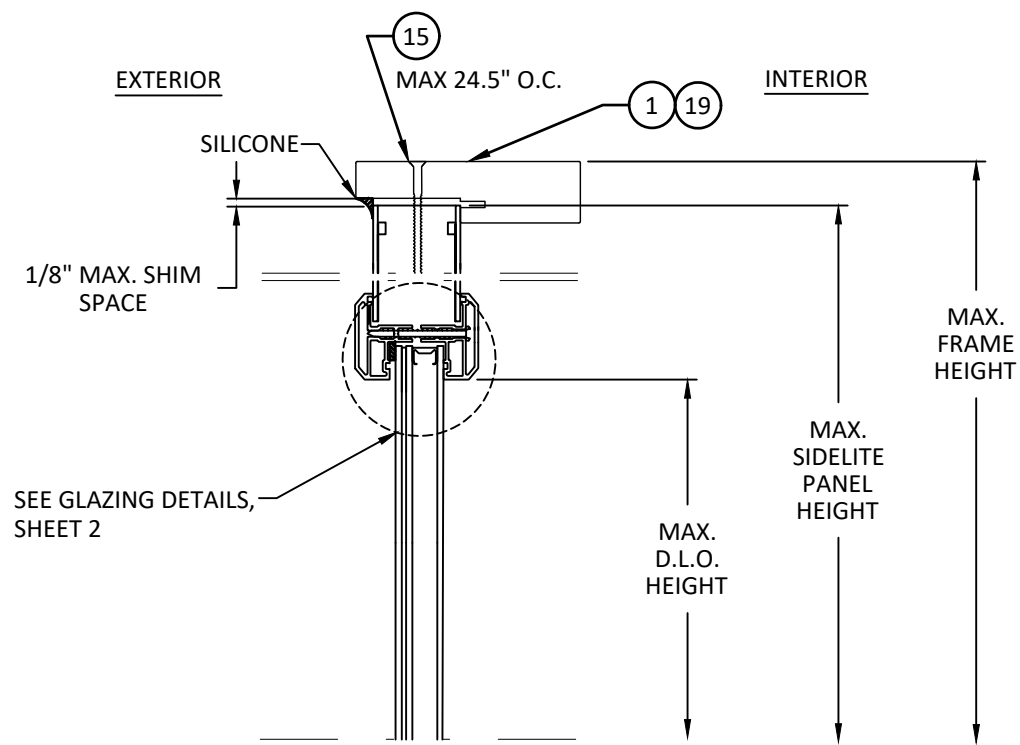
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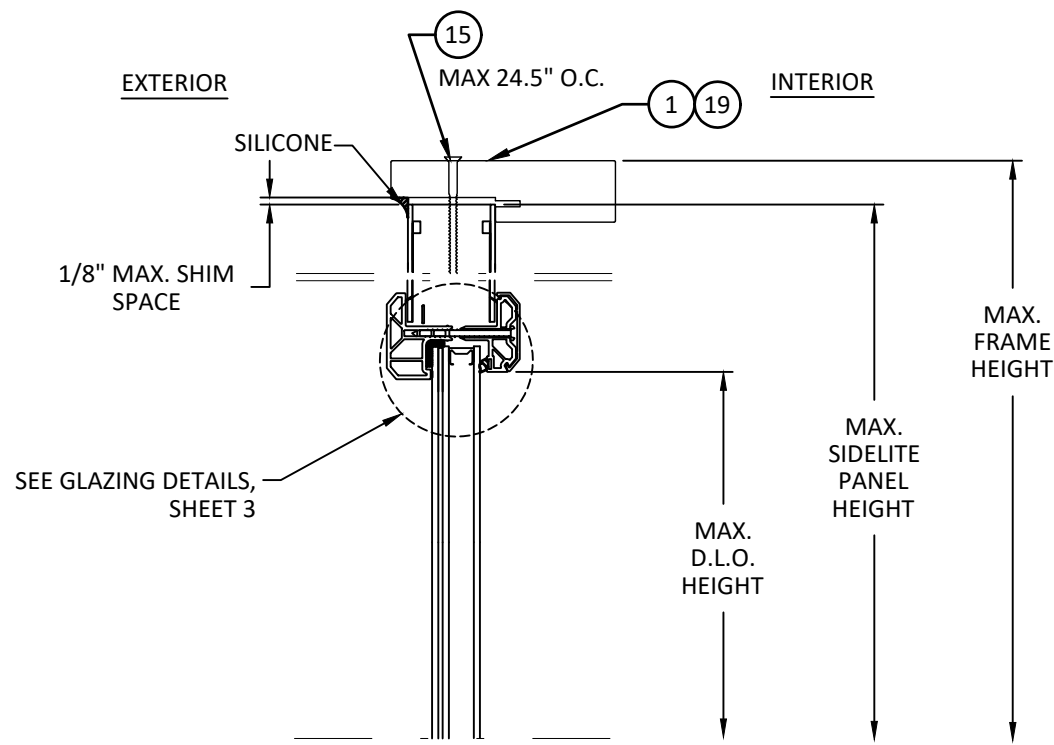


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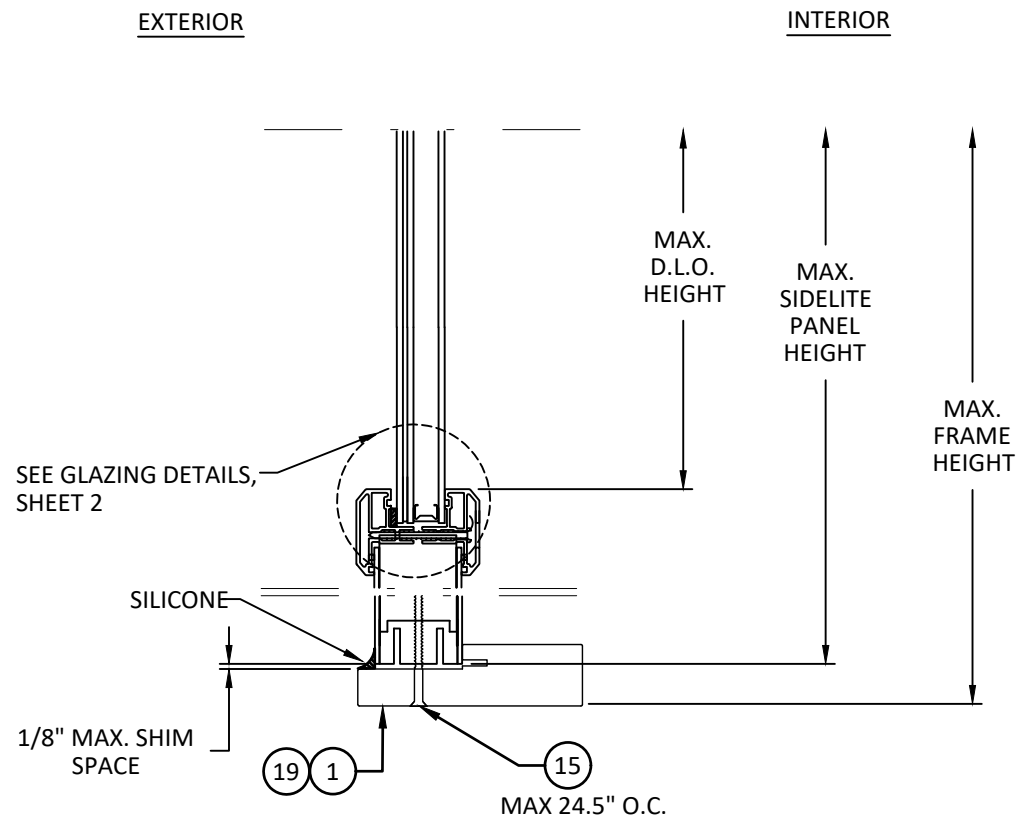
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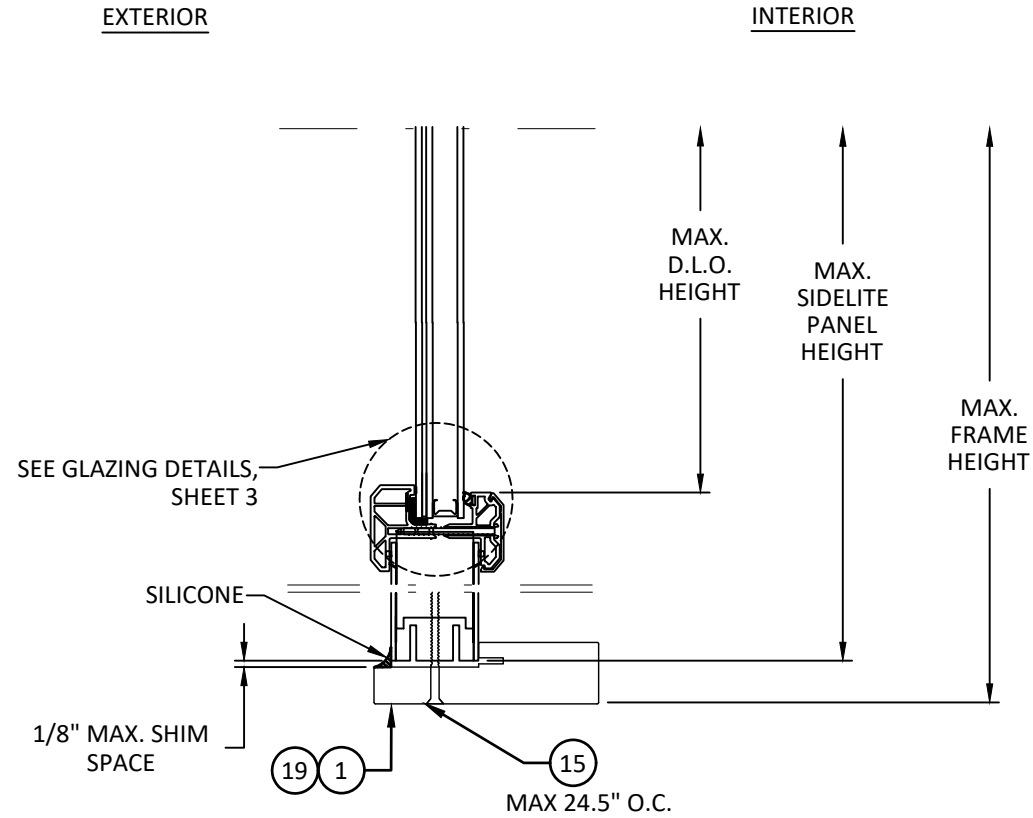
A
9
VERTICAL SECTION
TYP. SIDELITE HEAD DETAIL



C
9
VERTICAL SECTION
TYP. SIDELITE HEAD DETAIL



B
9
VERTICAL SECTION
TYP. SIDELITE SILL DETAIL
WATER TEST PRESSURE: 9.75 PSF



D
9
VERTICAL SECTION
TYP. SIDELITE SILL DETAIL
WATER TEST PRESSURE: 9.75 PSF



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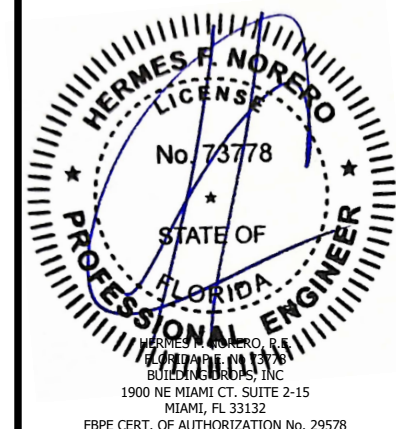
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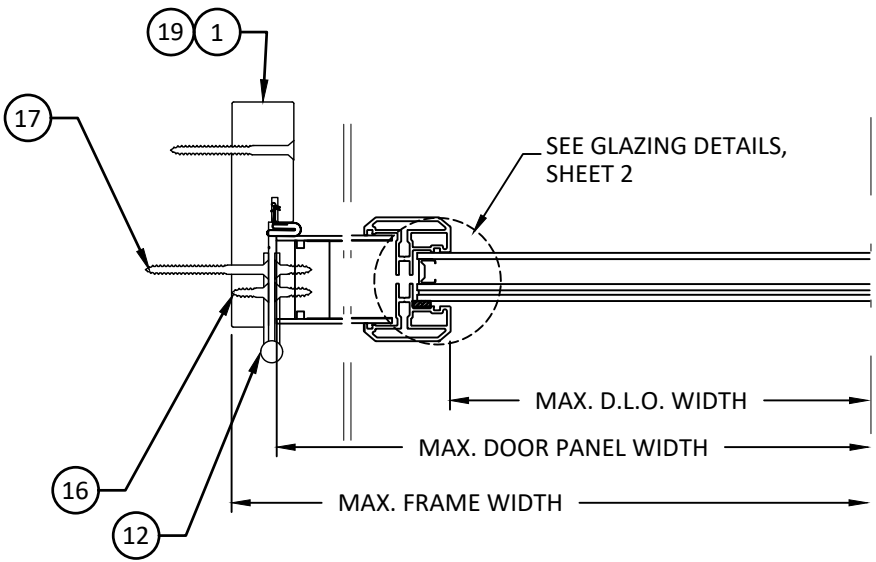
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INTERIOR

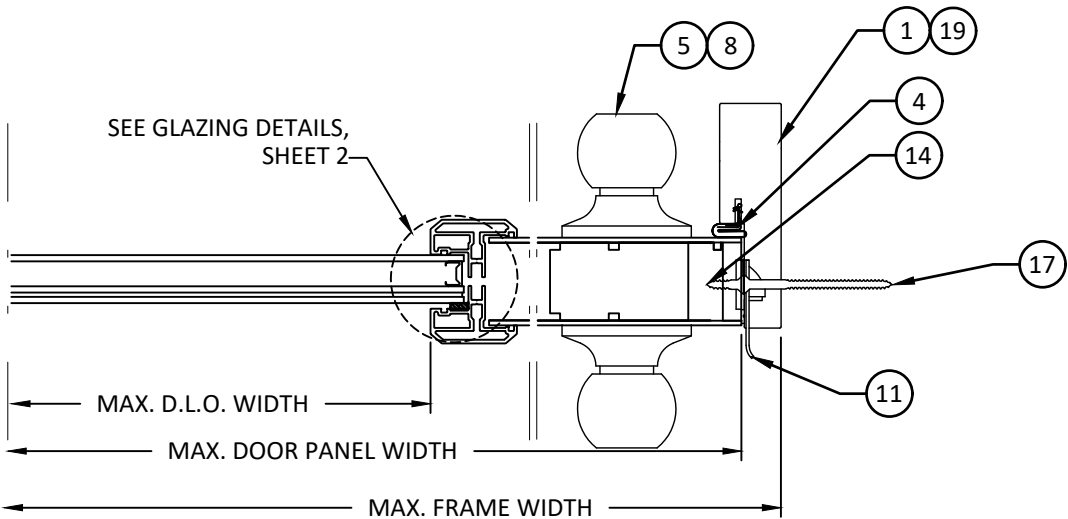
EXTERIOR



A
10 HORIZONTAL SECTION
TYP. HINGE JAMB DETAIL

INTERIOR

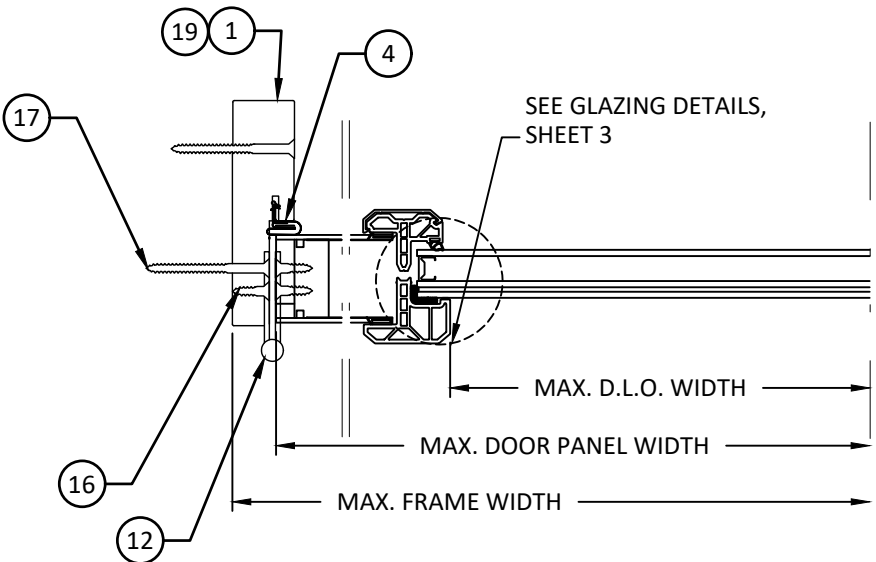
EXTERIOR



B
10 HORIZONTAL SECTION
TYP. LOCK JAMB DETAIL

INTERIOR

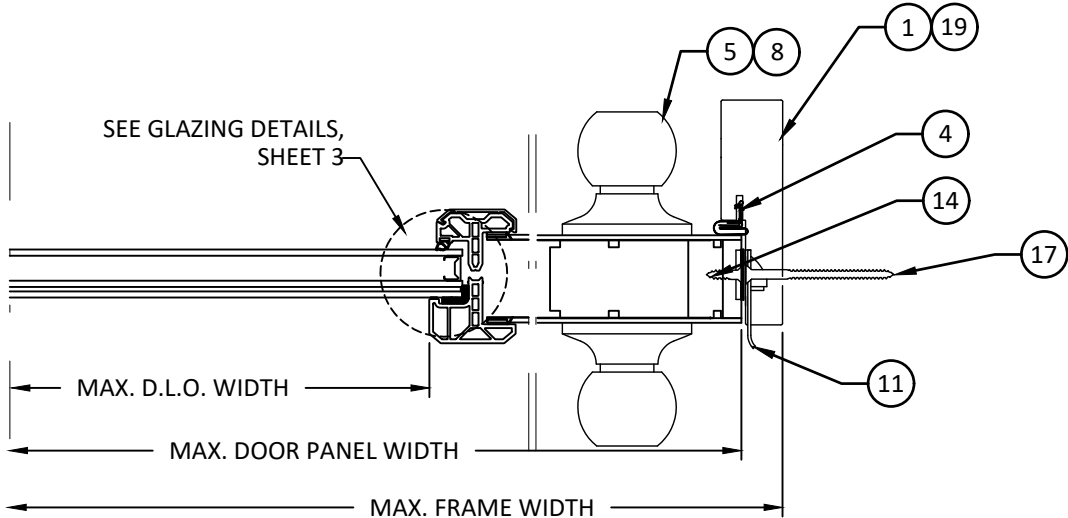
EXTERIOR



C
10 HORIZONTAL SECTION
TYP. HINGE JAMB DETAIL

INTERIOR

EXTERIOR



D
10 HORIZONTAL SECTION
TYP. LOCK JAMB DETAIL



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE: OUTSWING GLAZED
FIBERGLASS DOOR
(HVVHZ) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



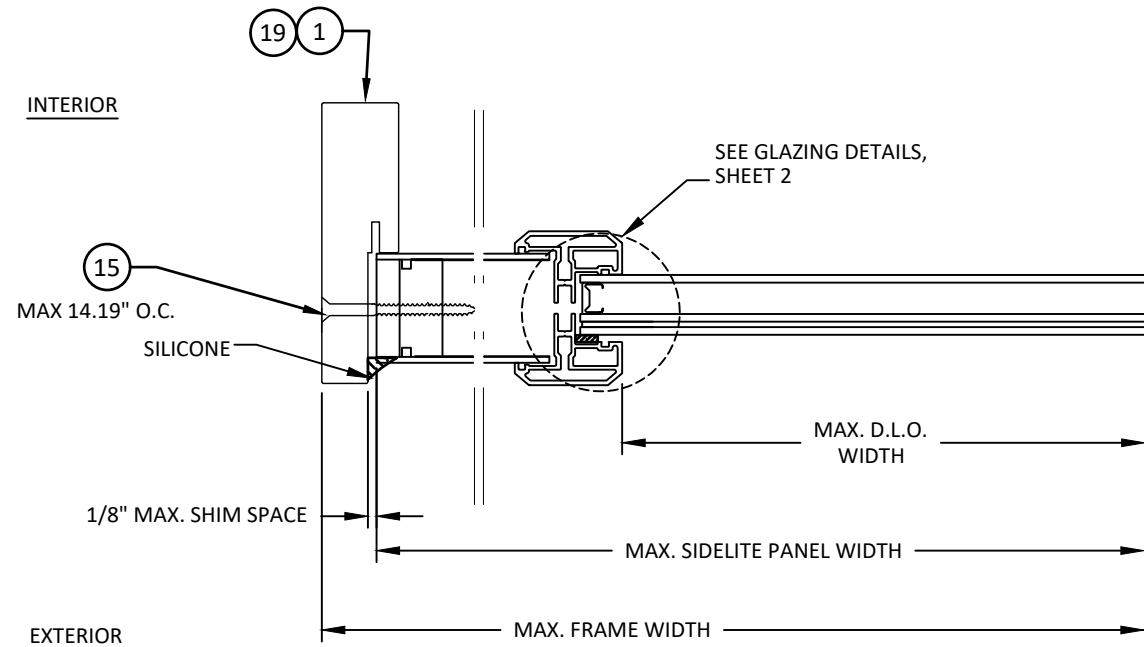
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A: DP TABLE REVISION	JR	10/25
B: DP TABLE REVISION	JR	03/26

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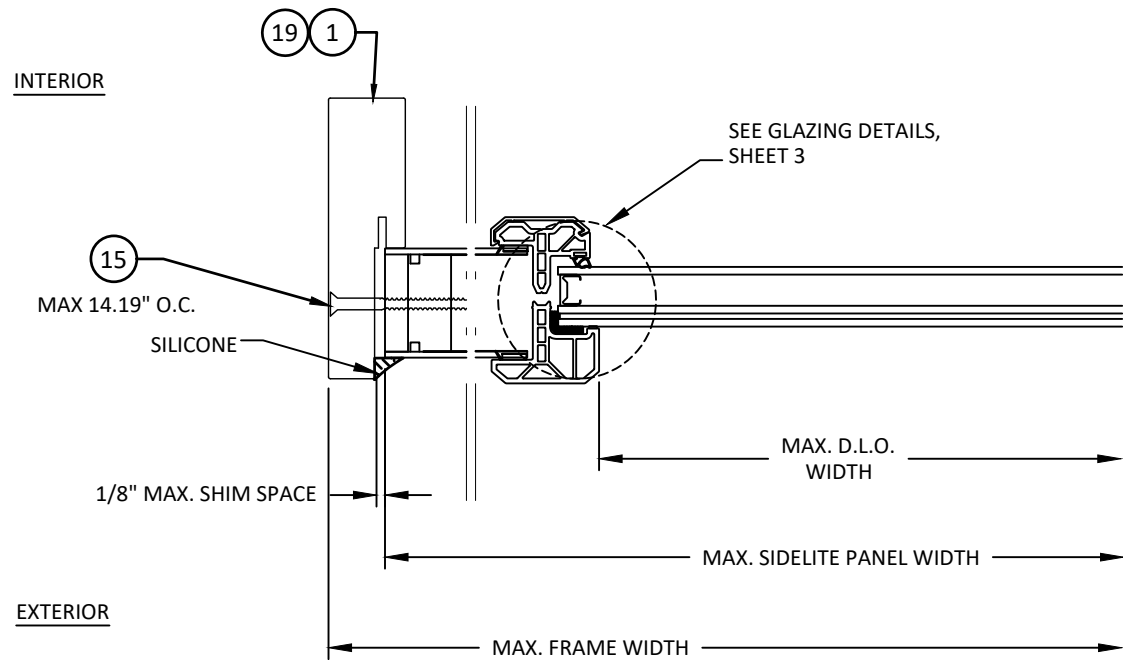


FL #:	FL47392
DATE:	03.31.2026
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JR	HFN
SCALE:	NTS
DWG. #:	ODL002
SHEET:	10

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A
11 HORIZONTAL SECTION
TYP. SIDELITE JAMB DETAIL



B
11 HORIZONTAL SECTION
TYP. SIDELITE JAMB DETAIL



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE: OUTSWING GLAZED
FIBERGLASS DOOR
(HVVHZ) (IMPACT)

HORIZONTAL SECTIONS

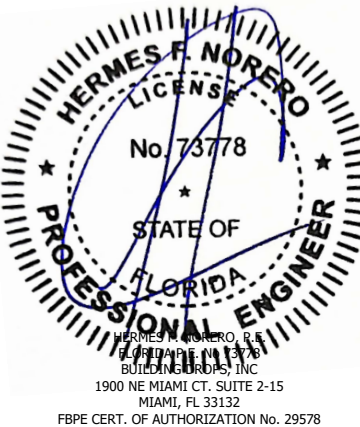
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SCALE: NTS

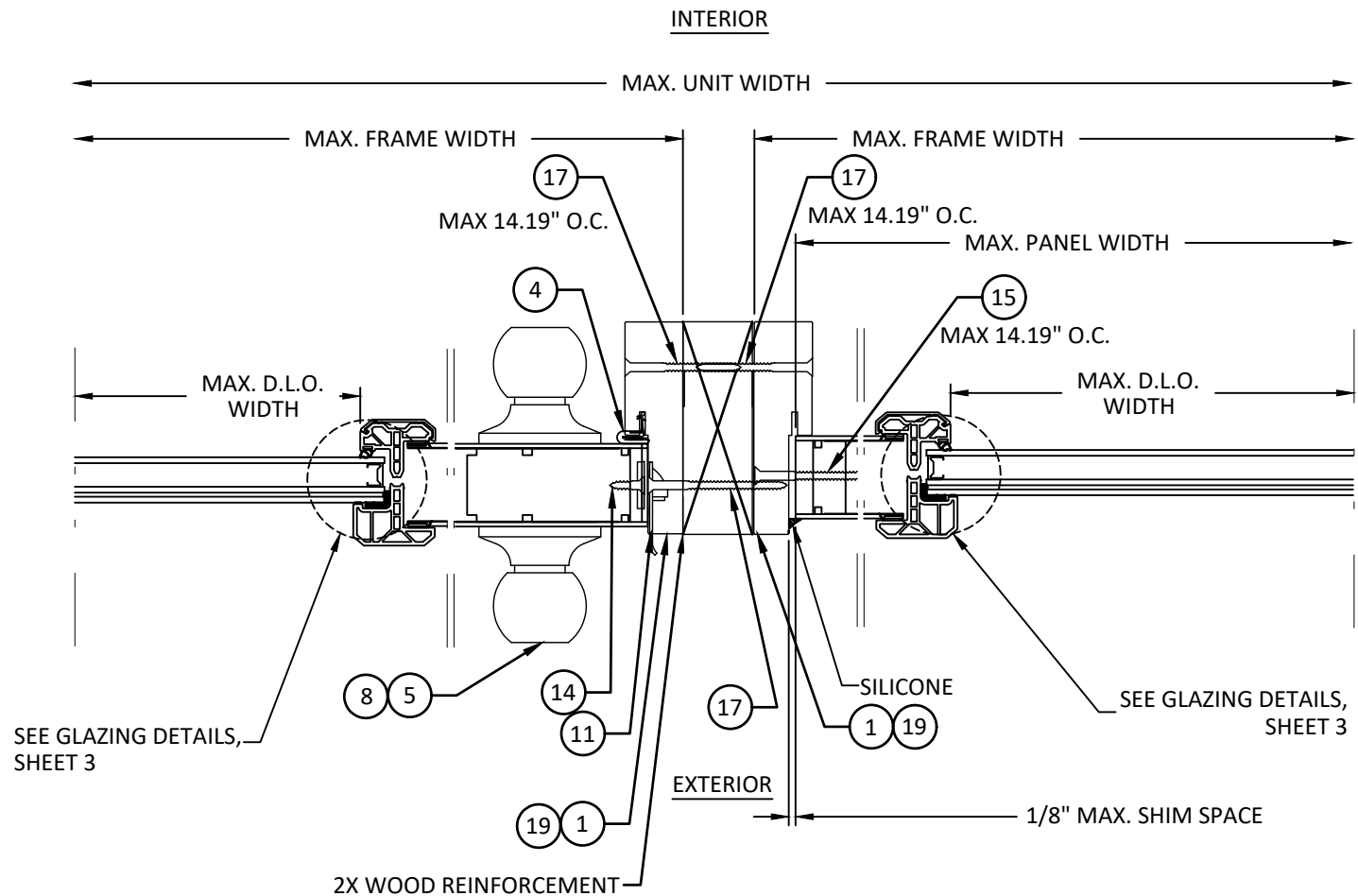
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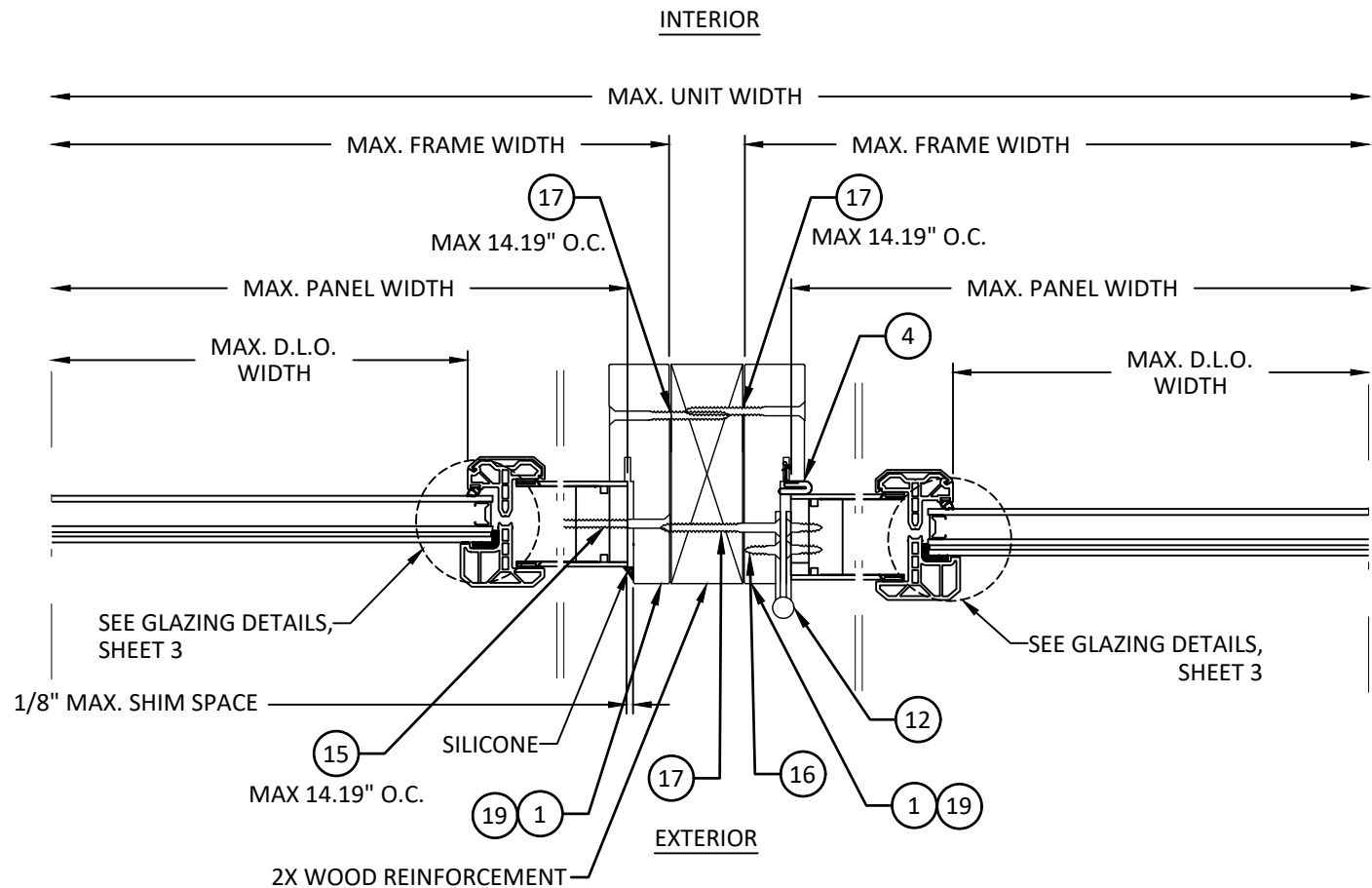
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A
12 HORIZONTAL SECTION
TYP. MULLION DETAIL



B
12 HORIZONTAL SECTION
TYP. MULLION DETAIL



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE: OUTSWING GLAZED
FIBERGLASS DOOR
(HVVZ) (IMPACT)

HORIZONTAL SECTIONS

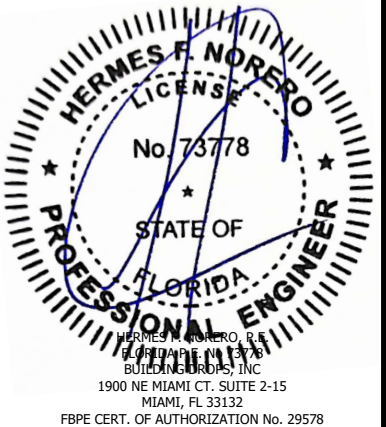
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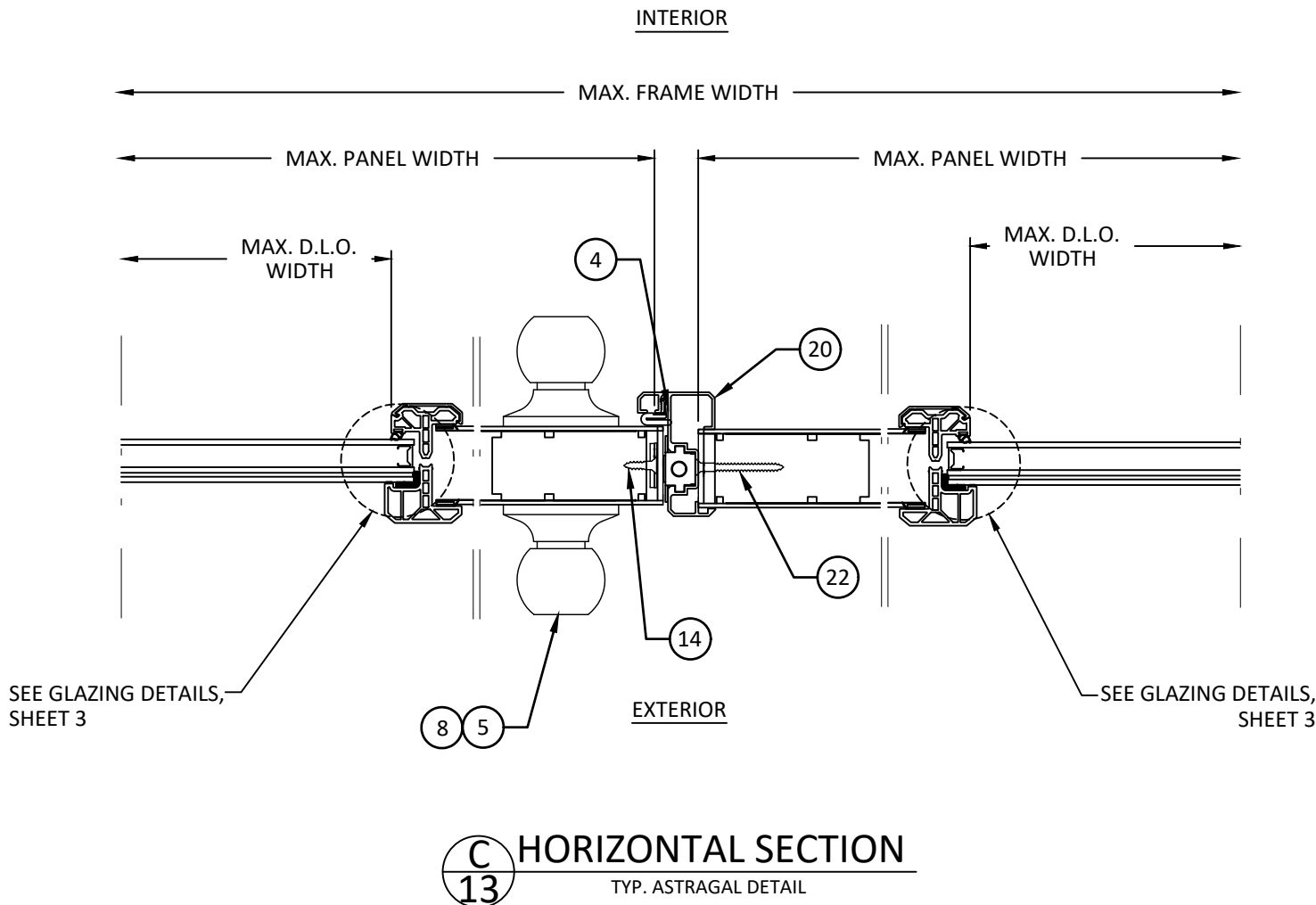
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215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

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TITLE: OUTSWING GLAZED
FIBERGLASS DOOR
(HVVZ) (IMPACT)

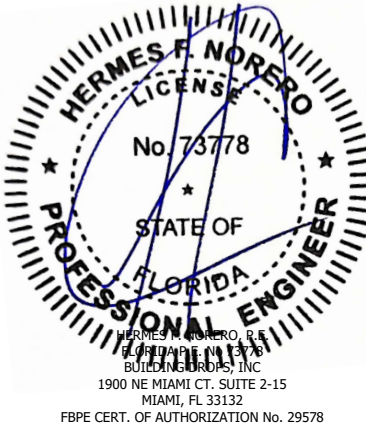
HORIZONTAL SECTIONS

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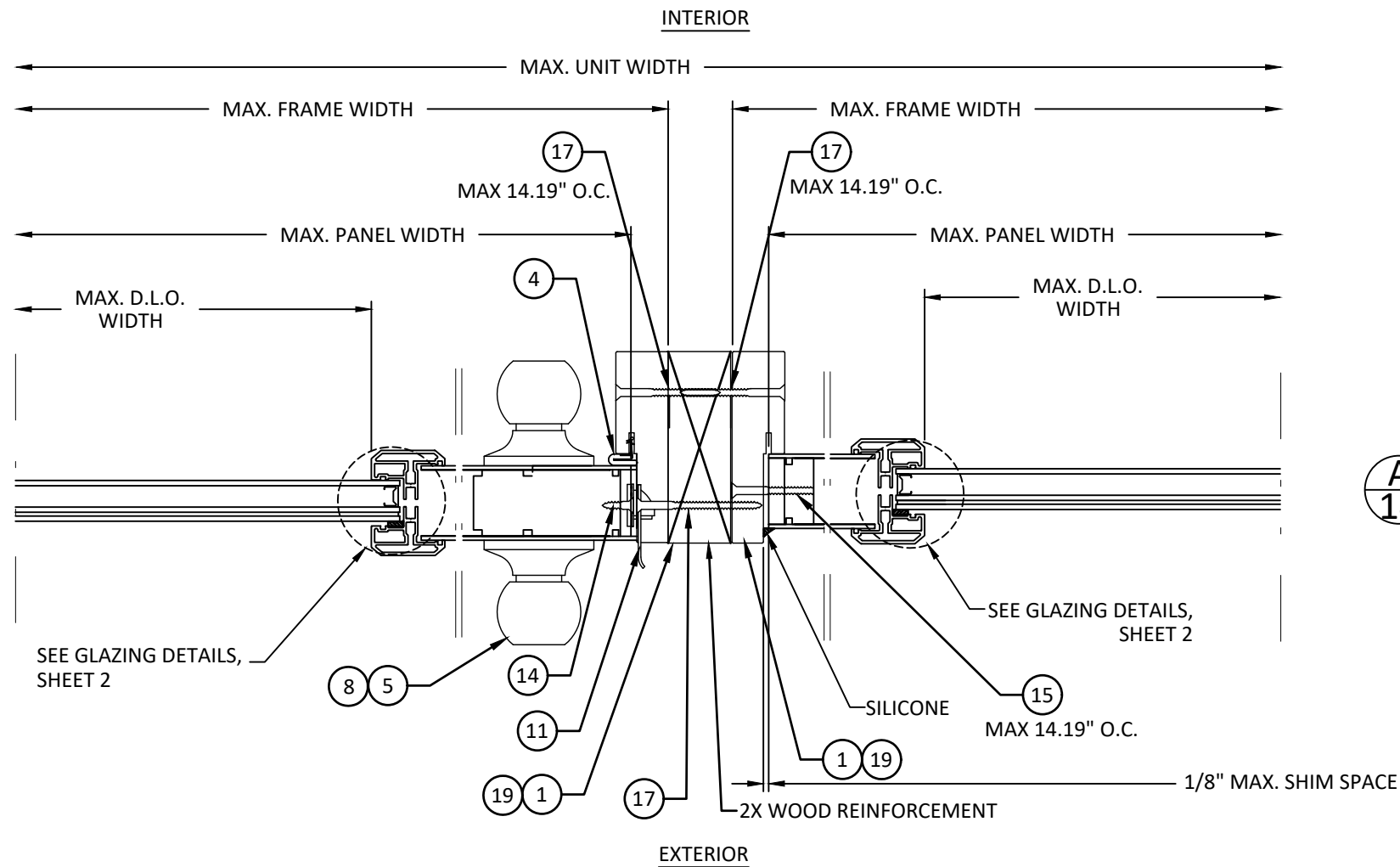
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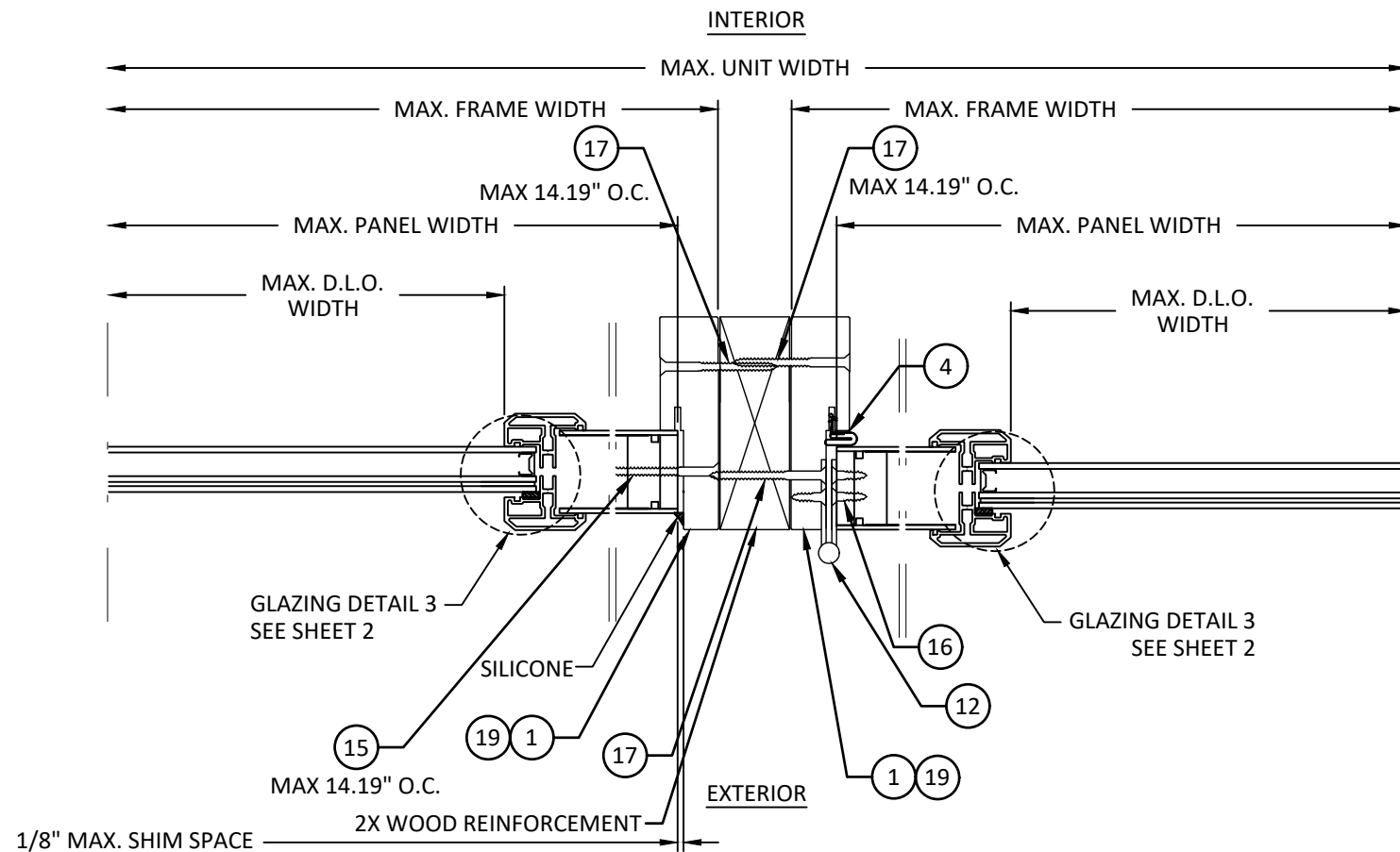
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A
14 HORIZONTAL SECTION
TYP. MULLION DETAIL



B
14 HORIZONTAL SECTION
TYP. MULLION DETAIL



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE:
OUTSWING GLAZED
FIBERGLASS DOOR
(HVVZ) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.

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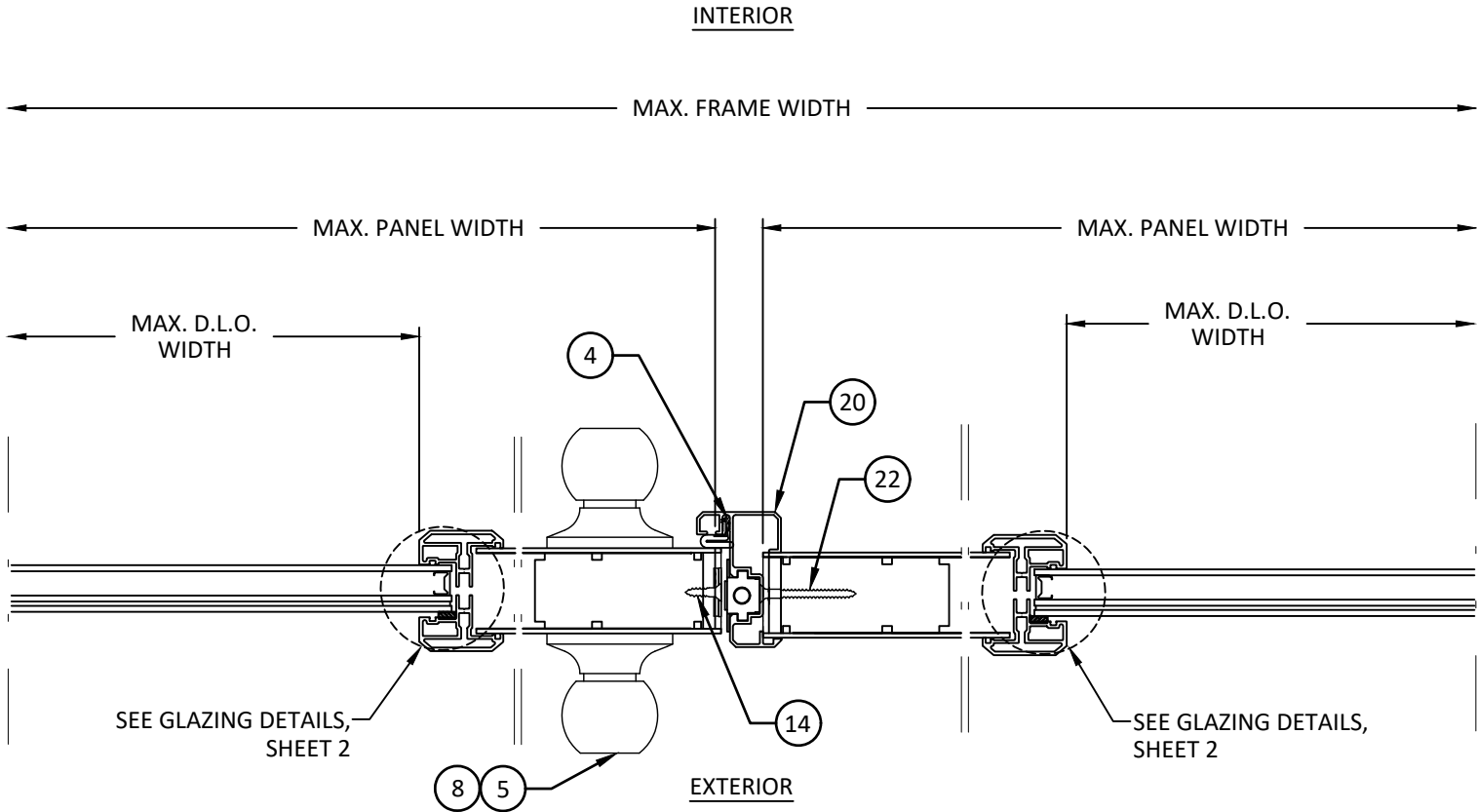
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C
15 **HORIZONTAL SECTION**
TYP. ASTRAGAL DETAIL



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE: OUTSWING GLAZED
FIBERGLASS DOOR
(HVVZ) (IMPACT)

HORIZONTAL SECTIONS

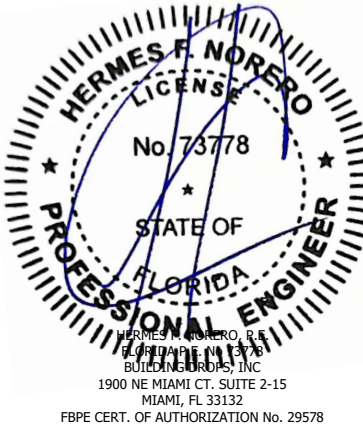
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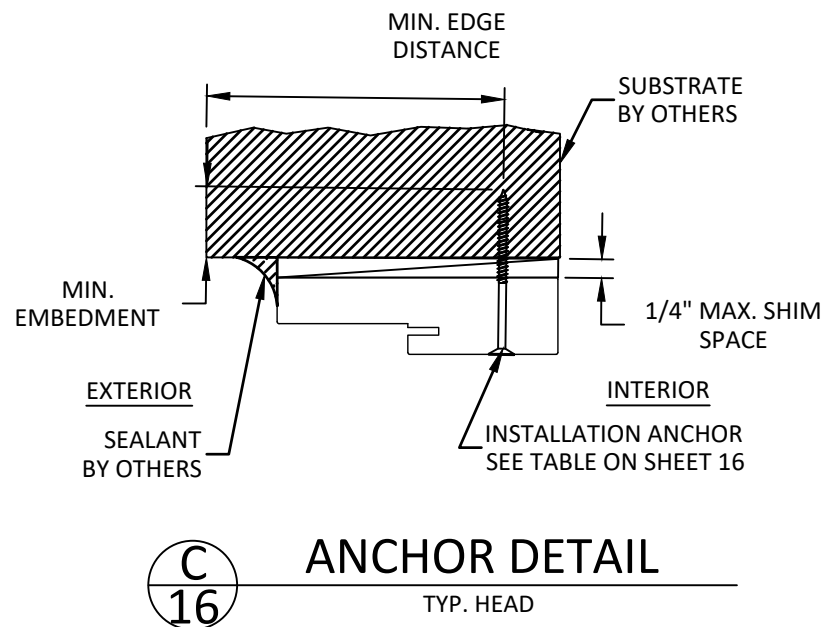
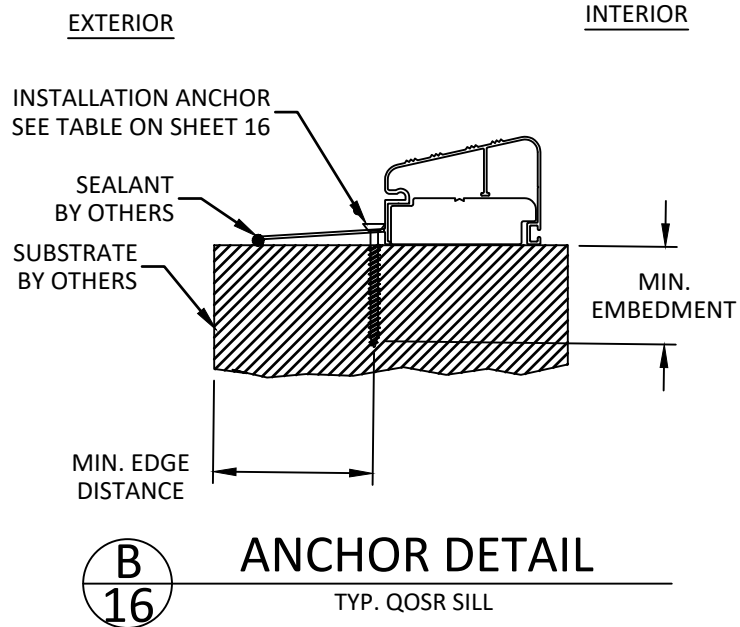
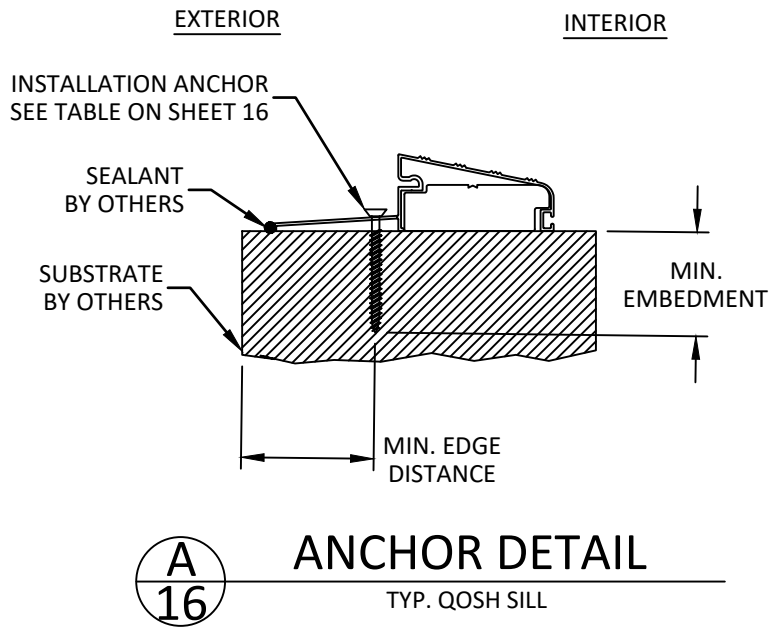
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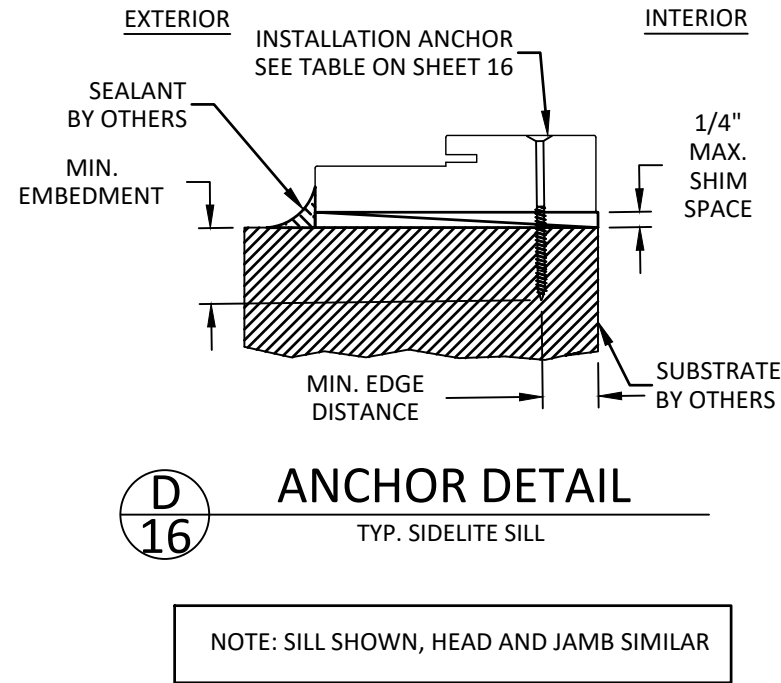
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INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 16, UNLESS OTHERWISE STATED ON SHEETS 6 AND 7.
- 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 $\pm 1/4$ INCH 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.
- 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.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
	CONCRETE: f'c=3000PSI	3/16" ITW TAPCON OR 1/4" ITW TAPCON	1.00"	2.00"
		3/16" DEWALT ULTRACON+ OR 1/4" DEWALT ULTRACON+	1.75"	1.00"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON OR 1/4" ITW TAPCON	1.00"	2.50"
		3/16" DEWALT ULTRACON+ OR 1/4" DEWALT ULTRACON+		3.00"



215 EAST ROOSEVELT AVE.
ZEELAND, MICHIGAN 49464

PH: (800) 253-3900

TITLE: OUTSWING GLAZED
FIBERGLASS DOOR
(HVVH) (IMPACT)

ANCHOR DETAILS, INSTALLATION
NOTES, & ANCHOR SCHEDULE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132

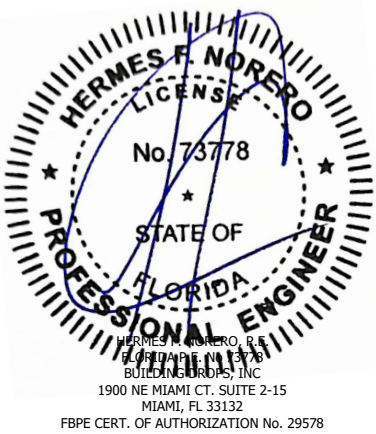
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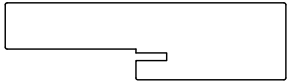


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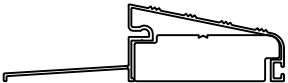
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	FINGER JOINT PINE JAMB	WOOD
2	DLP QOSH OUTSWING THRESHOLD	ALUMINUM & COMPOSITE
3	DLP QOSR HIGH DAM OUTSWING THRESHOLD	ALUMINUM & COMPOSITE
4	WEATHER STRIP	FOAM
5	SCHLAGE F SERIES LOCKSET	STEEL
6	SCHLAGE DEADBOLT	STEEL
7	SCHLAGE DEAD BOLT STRIKE PLATE	STEEL
8	KWICK SET SIGNATURE SERIES LOCKSET	STEEL
9	KWICK SET SIGNATURE DEAD BOLT	STEEL
10	KWICK SET DEAD BOLT STRIKE PLATE	STEEL
11	LATCH STRIKE PLATE	STEEL
12	4" X 4" HINGE	STEEL
13	#8 X 5/8" PFH WOOD SCREW	STEEL
14	#8 X 1" PFH WOOD SCREW	STEEL
15	#8 X 2.5" PFH WOOD SCREW	STEEL
16	#9 X 3/4"" PFH WOOD SCREW	STEEL
17	#10 X 3" PFH WOOD SCREW	STEEL
18	FLAT STAPLE 7/16" X 2"	STEEL
19	STARLINK SURE JAMB	COMPOSITE
20	DLP ALUMINUM ASTRAGAL (FLAT PROFILE)	ALUMINUM
21	ASTRAGAL STRIKE PLATE	STEEL
22	#8 X 2" FH SELF MACHINING SCREW	STEEL

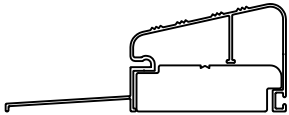
1 FINGER JOINT PINE JAMB



2 DLP QOSH OUTSWING THRESHOLD



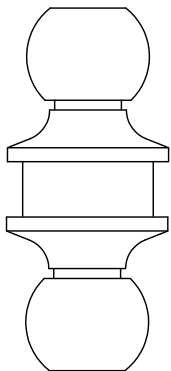
3 DLP QOSR HIGH DAM OUTSWING THRESHOLD



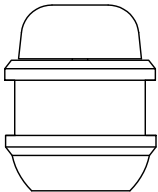
4 WEATHER STRIP



5 SCHLAGE F SERIES LOCKSET



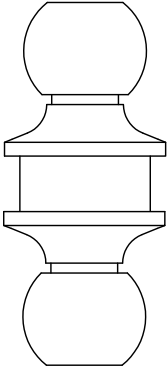
6 SCHLAGE DEADBOLT



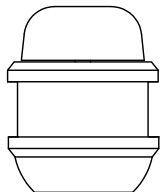
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8 KWICK SET SIGNATURE SERIES LOCKSET



9 KWICK SET SIGNATURE DEAD BOLT



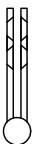
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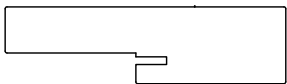
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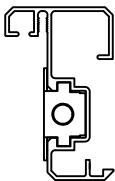
12 4" X 4" HINGE



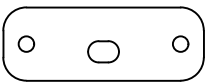
19 STARLINK SURE JAMB



20 DLP ALUMINUM ASTRAGAL (FLAT PROFILE)



21 ASTRAGAL STRIKE PLATE



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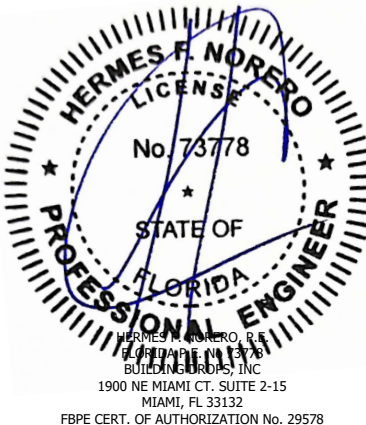
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