

# Euro-Wall Systems, LLC

## EURO-PIVOT INSWING AND OUTSWING DOOR

### (HVHZ) (IMPACT)

GENERAL NOTES:

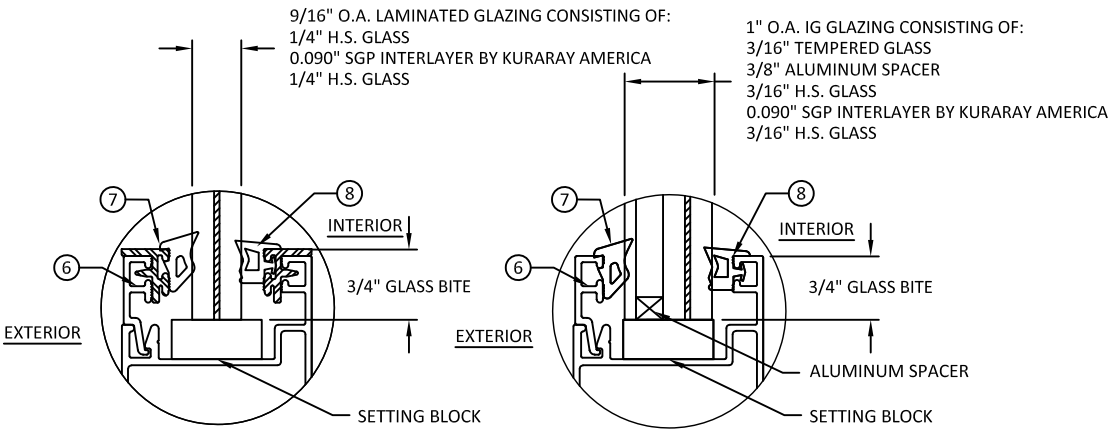
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- TAS 201-94

TAS 202-94

TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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 NOT REQUIRED** TO PROTECT THIS PRODUCT.
6. DOOR FRAME MATERIAL: *EXTRUDED ALUMINUM (6063-T5)*.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
8. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.

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2	ELEVATIONS & ANCHOR LAYOUT
3	DESIGN PRESSURE TABLES
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	INSTALLATION NOTES & ANCHOR TABLE
7	BILL OF MATERIALS & COMPONENTS

DESIGN PRESSURE RATING		
MAX. UNIT DIMENSIONS	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEET 3	SEE SHEET 3	LMI & SMI



GLAZING DETAIL 1

GLAZING DETAIL 2

- NOTE:
1. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND ASTM E 1300 GLASS CHART REQUIREMENTS.

2. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.

3. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT ¼ SPAN FROM CORNERS.



EURO-WALL SYSTEMS, LLC  
24100 TISEO BOULEVARD  
PORT CHARLOTTE, FL 33980  
PH: 888-989-3876

EURO-PIVOT INSWING  
AND OUTSWING DOOR  
(HVHZ)(IMPACT)

GENERAL NOTES & GLAZING DETAILS

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
NEW TESTING	LL	4.4.21

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HERMES F. NORERO, P.E.

FLORIDA No. 73778

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., # 338  
DANIA BEACH, FL 33004

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL22410

DATE:

11.19.20

DWG. BY:

YC

CHK. BY:

HFN

SCALE:

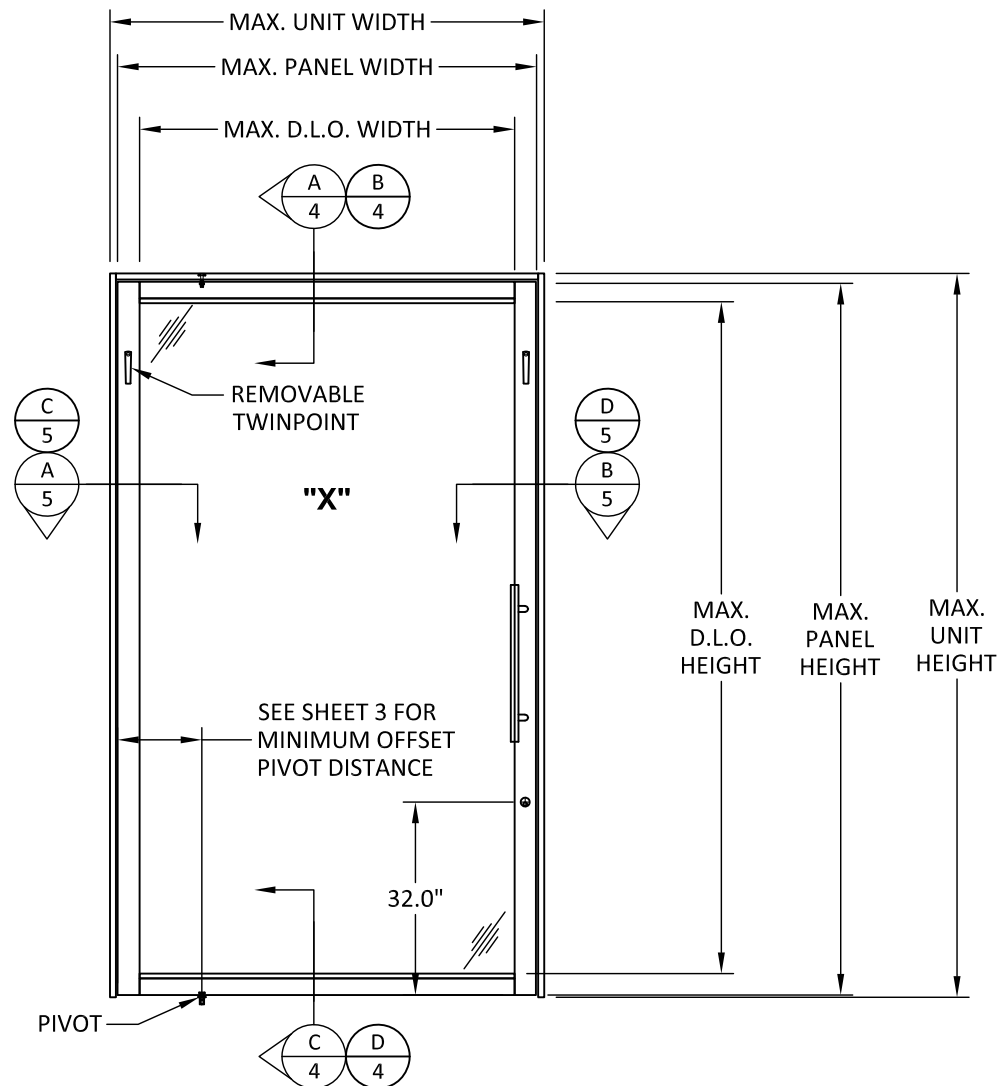
NTS

DWG. #:

EWS018

SHEET:

1



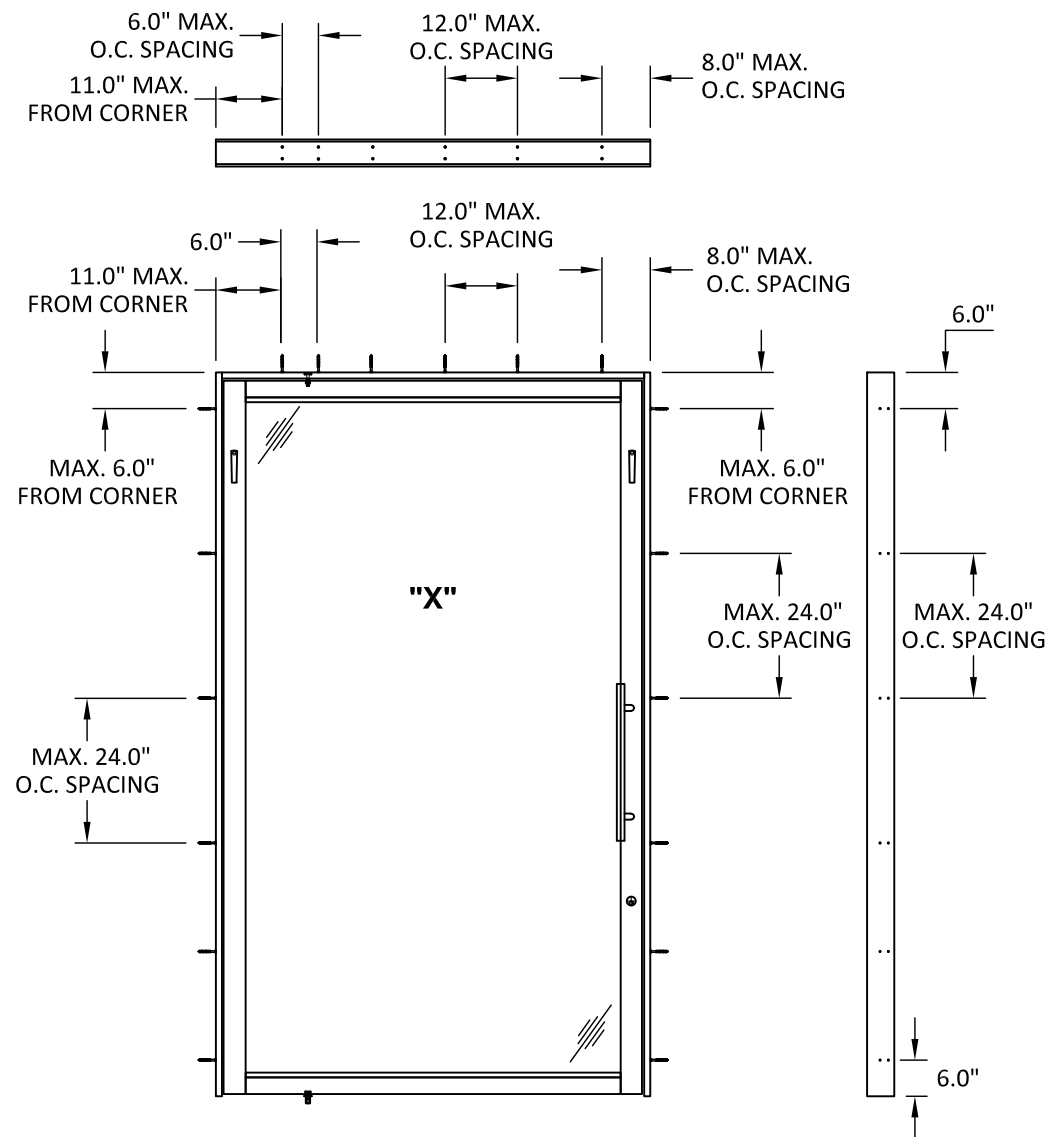
**TYPICAL ELEVATION**  
**PIVOT DOOR**

**SIZE NOTES:**

UNIT SIZES SHOWN IN TABLE.

PANEL SIZES ARE AS FOLLOWS:  
PANEL WIDTH = UNIT WIDTH - 2.00"  
PANEL HEIGHT = UNIT HEIGHT - 1.375"

DLO SIZES ARE AS FOLLOWS:  
DLO WIDTH = UNIT WIDTH - 9.822"  
DLO HEIGHT = UNIT HEIGHT - 8.034"



**ANCHOR LAYOUT**  
**PIVOT DOOR**

**NOTE:**  
TWIN-POINT & MULTI-POINT LOCKING MECHANISM  
INTERCHANGEABLE BETWEEN ALL SIZES AND DESIGN  
PRESSURES.

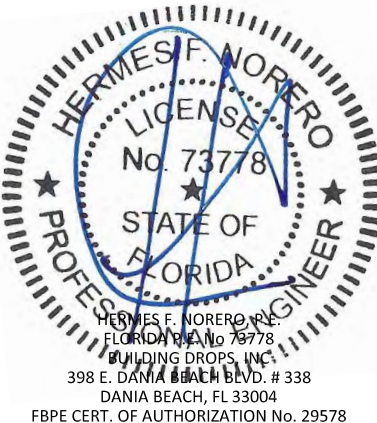
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ELEVATION AND ANCHOR LAYOUT

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DWG. #:	<b>EWS018</b>
SHEET:	<b>2</b>

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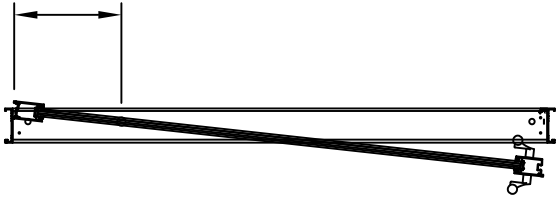
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ALLOWABLE DESIGN PRESSURE (PSF)									
UNIT WIDTH (INCHES)									
		72	76	80	84	88	92	96	100
UNIT HEIGHT (INCHES)	72	60.00	60.00	57.00	54.55	52.50	50.77	49.29	48.00
	78	60.00	60.00	56.84	54.03	51.69	49.73	48.07	46.64
	84	60.00	60.00	56.84	54.00	51.43	49.19	47.31	45.71
	90	60.00	60.00	56.84	54.00	51.43	49.09	46.98	45.18
	96	60.00	60.00	56.84	54.00	51.43	49.09	46.96	45.00
	102	60.00	60.00	56.84	54.00	51.43	49.09	46.96	45.00
	108	60.00	60.00	56.84	54.00	51.43	49.09	46.96	-
	114	60.00	60.00	56.84	54.00	51.43	-	-	-
	120	60.00	60.00	56.84	54.00	-	-	-	-
	126	60.00	60.00	56.84	-	-	-	-	-
	132	60.00	59.87	-	-	-	-	-	-
	138	60.00	-	-	-	-	-	-	-
	144	60.00	-	-	-	-	-	-	-

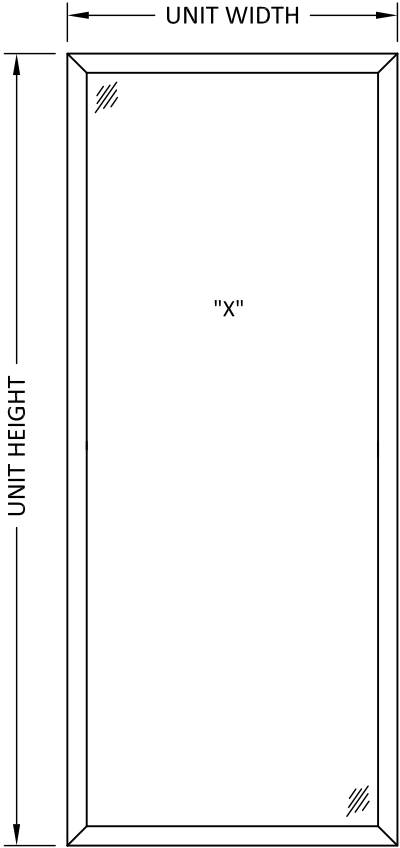
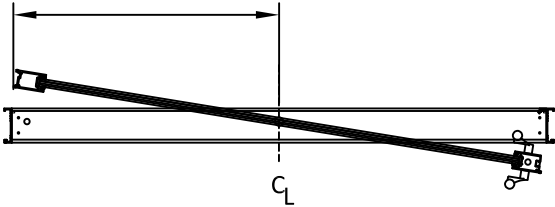
UNIT WIDTH (INCHES)														
44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
MINIMUM PIVOT OFFSET FROM JAMB (INCHES)														
4	4	4	4	4	4	8	11	14	18	21	24	26	29	32

- INSWING AND OUTSWING UNITS WITH DRAINAGE SYSTEM RATED FOR 9 PSF WATER INFILTRATION RESISTANCE (CORRESPONDING TO 60 PSF DESIGN PRESSURE). UNITS WITHOUT DRAINAGE SYSTEM ARE NOT RATED FOR WATER INFILTRATION RESISTANCE.
- DP TABLE VALUES APPLICABLE TO INSWING AND OUTSWING UNITS.

MINIMUM PIVOT OFFSET FROM JAMBS



APPROVED PIVOT LOCATED AT CENTER



SIZE NOTES:

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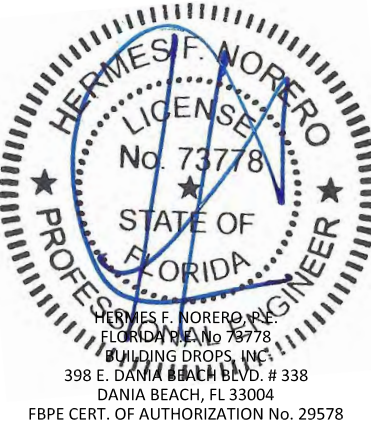
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(HVHZ)(IMPACT)  
DESIGN PRESSURE TABLE

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REMARKS	BY	DATE
NEW TESTING	LL	4.4.21

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**FL22410**

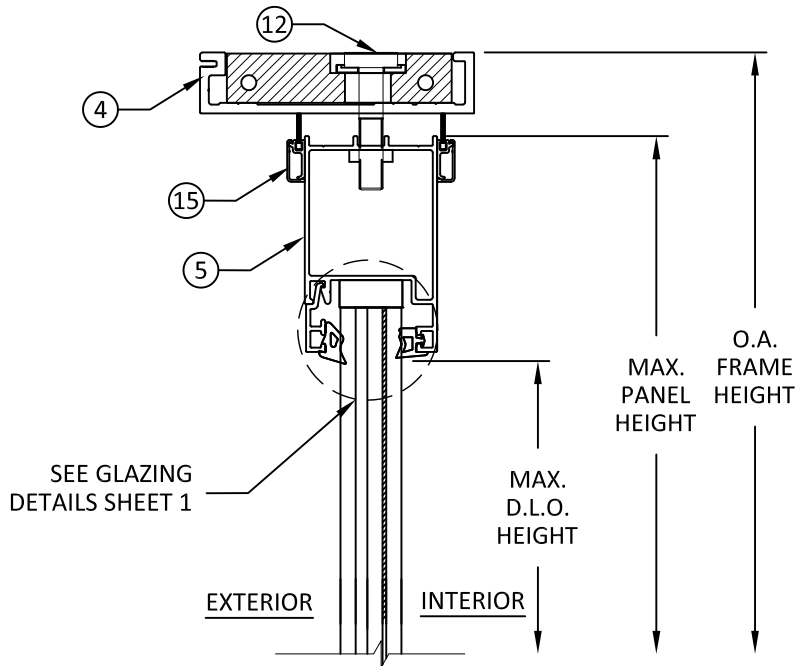
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DWG. BY: **YC**      CHK. BY: **HFN**

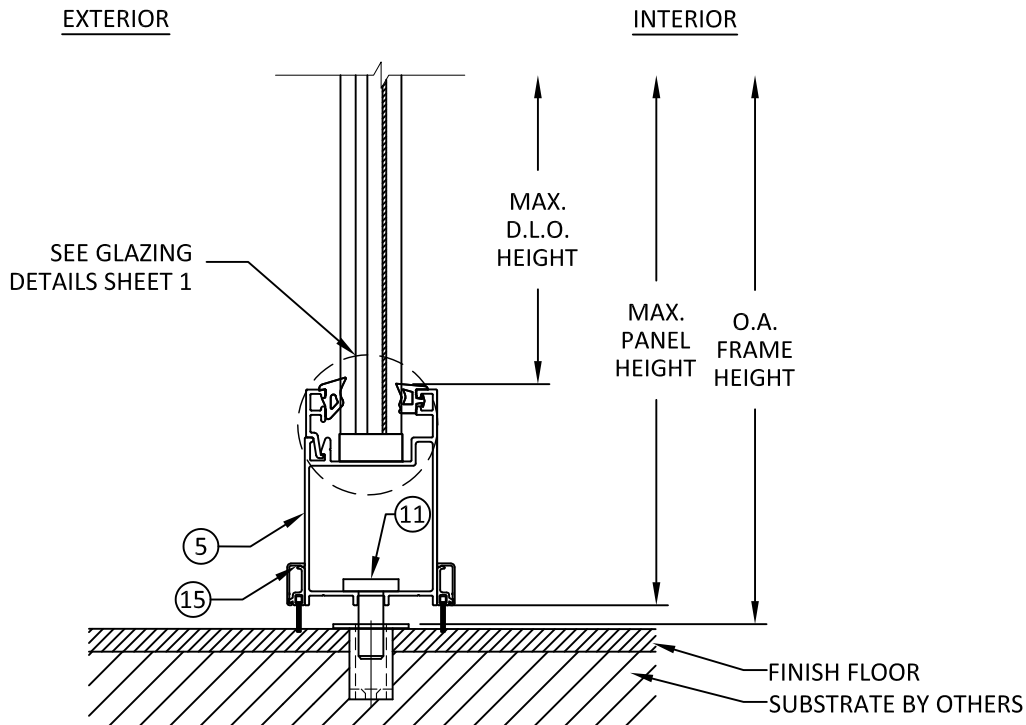
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DWG. #: **EWS018**

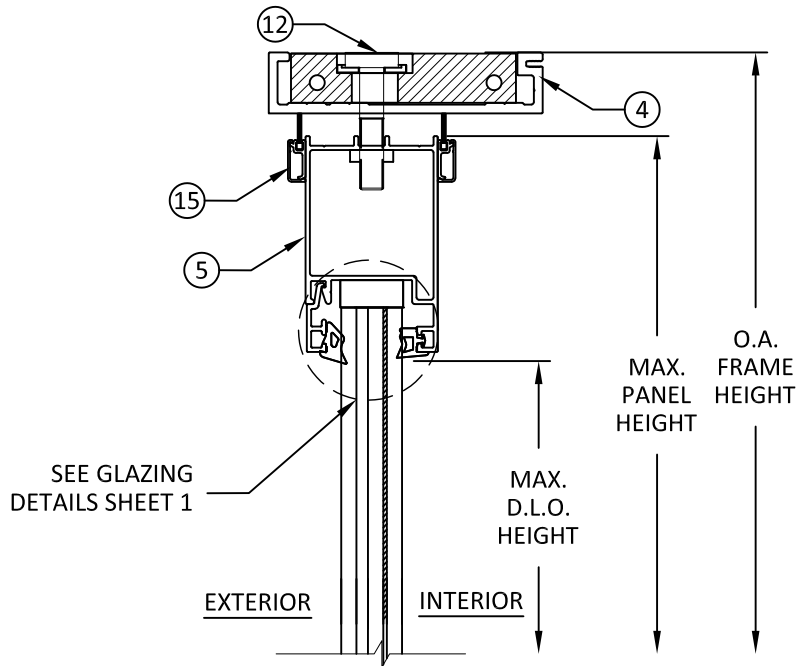
SHEET:  
**3**



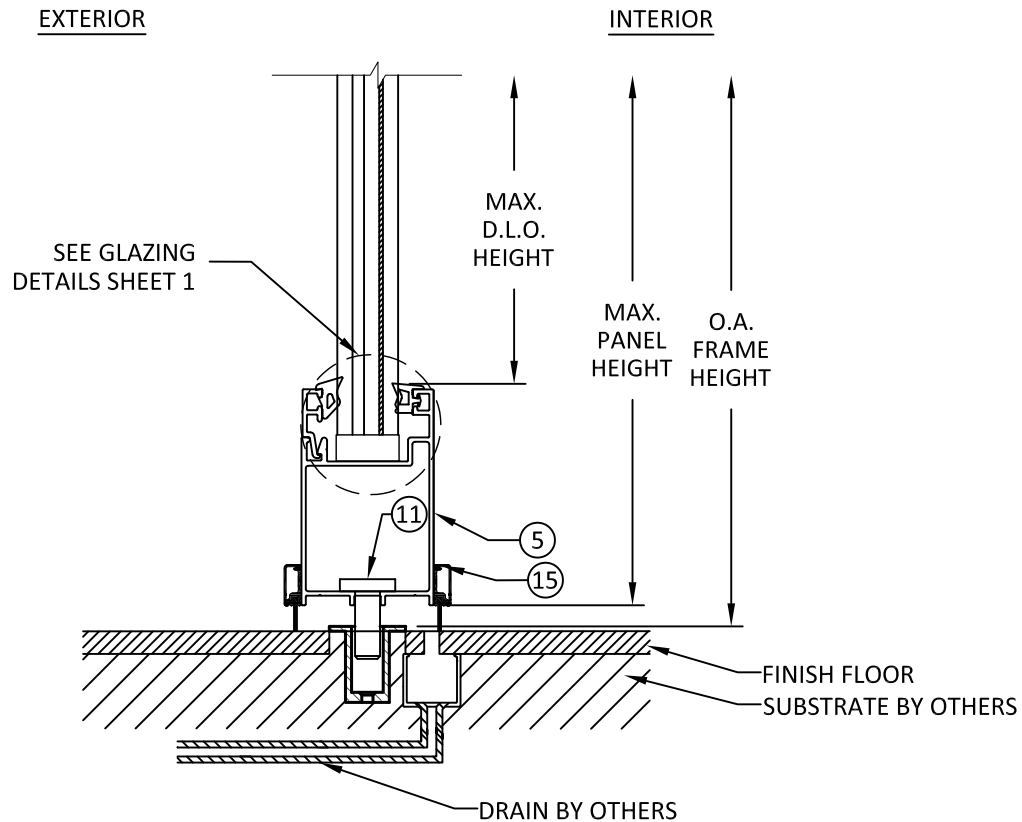
**A**  
**4** **VERTICAL SECTION**  
OUTSWING DOOR



**C**  
**4** **VERTICAL SECTION**  
TYPICAL FOR I/S OR O/S  
WITHOUT DRAINAGE



**B**  
**4** **VERTICAL SECTION**  
INSWING DOOR



**D**  
**4** **VERTICAL SECTION**  
TYPICAL FOR I/S OR O/S  
WITH DRAINAGE

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VERTICAL SECTIONS

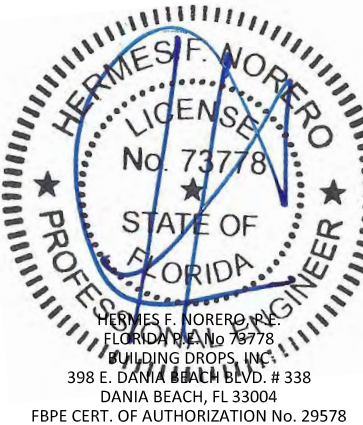
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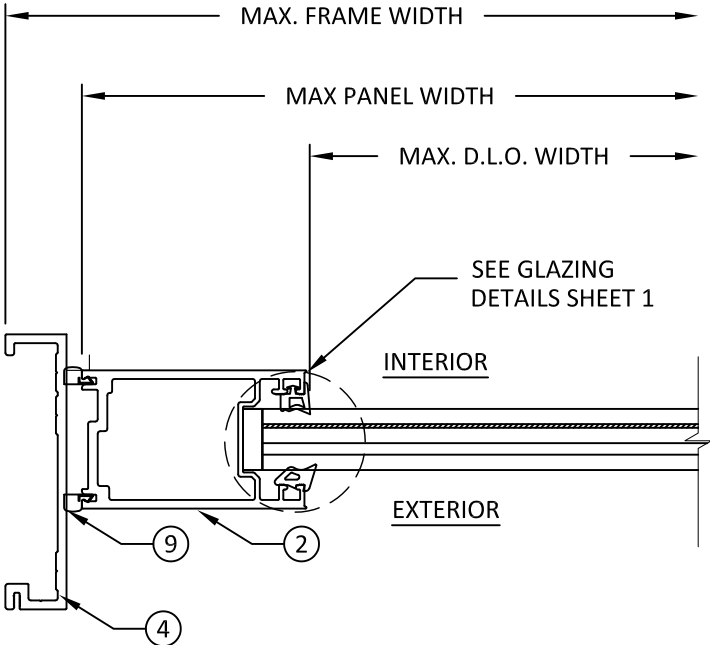


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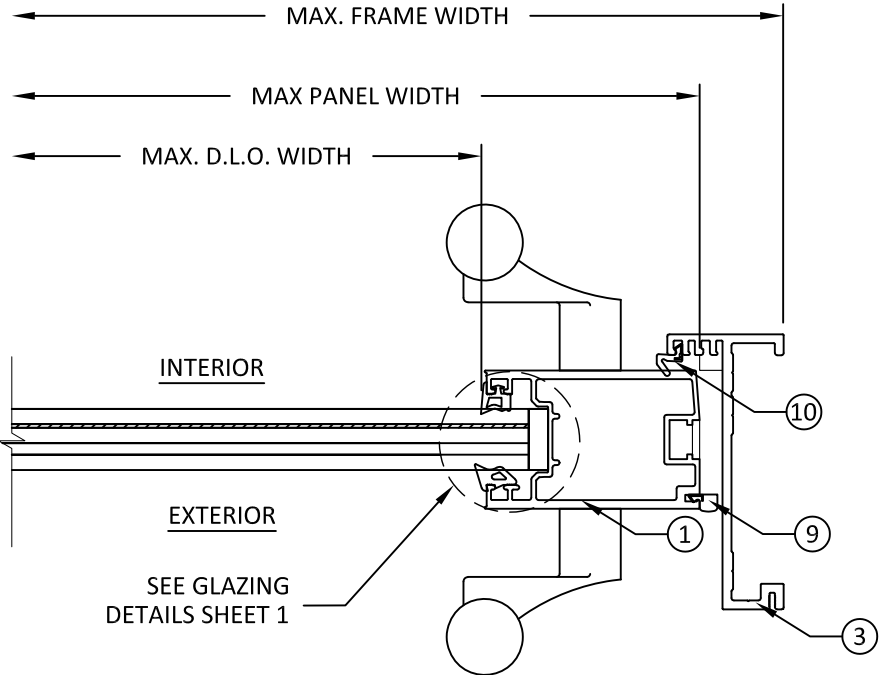


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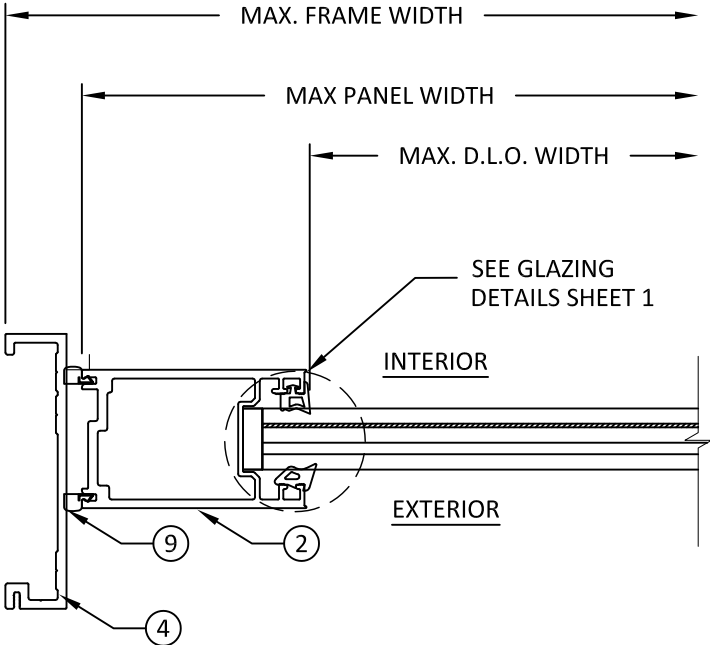
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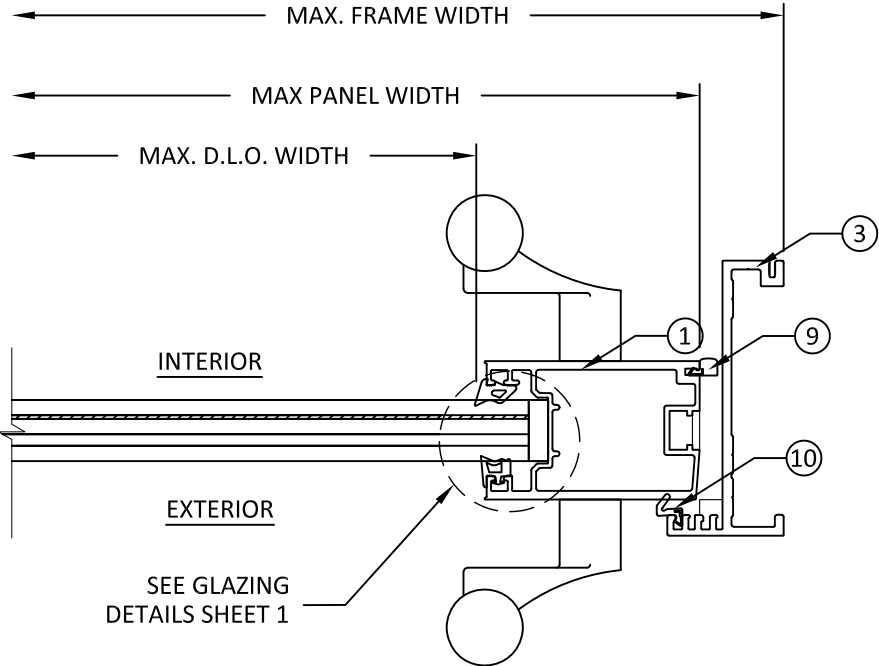
**A**  
**5** HORIZONTAL SECTION  
OUTSWING DOOR



**B**  
**5** HORIZONTAL SECTION  
OUTSWING DOOR



**C**  
**5** HORIZONTAL SECTION  
INSWING DOOR



**D**  
**5** HORIZONTAL SECTION  
INSWING DOOR



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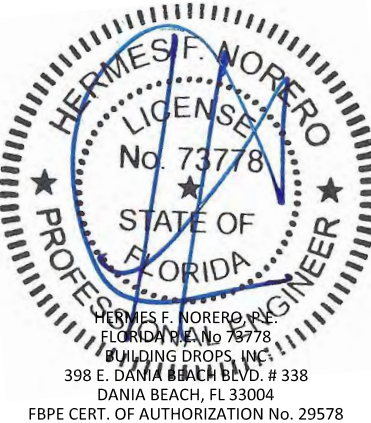
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SHEET:	<b>5</b>

INSTALLATION NOTES:

1.

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS SPECIFIED IN THE ANCHOR SCHEDULE. TWO (2) INSTALLATION ANCHORS AT THE JAMBS.
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 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 1/4INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5.

FOR MASONRY OR CONCRETE OPENINGS, 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.
6.

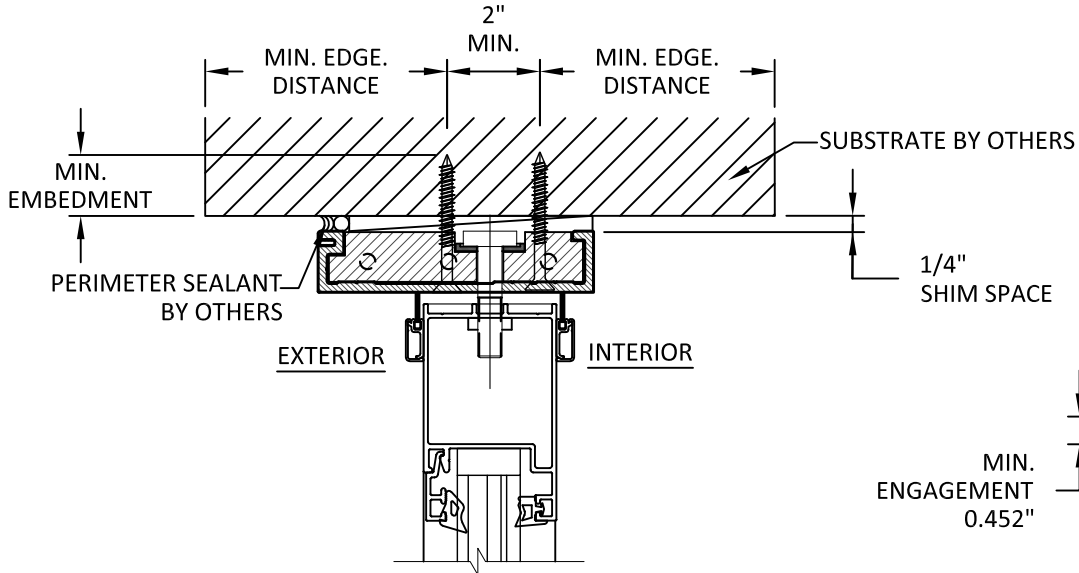
MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7.

INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8.

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.
9.

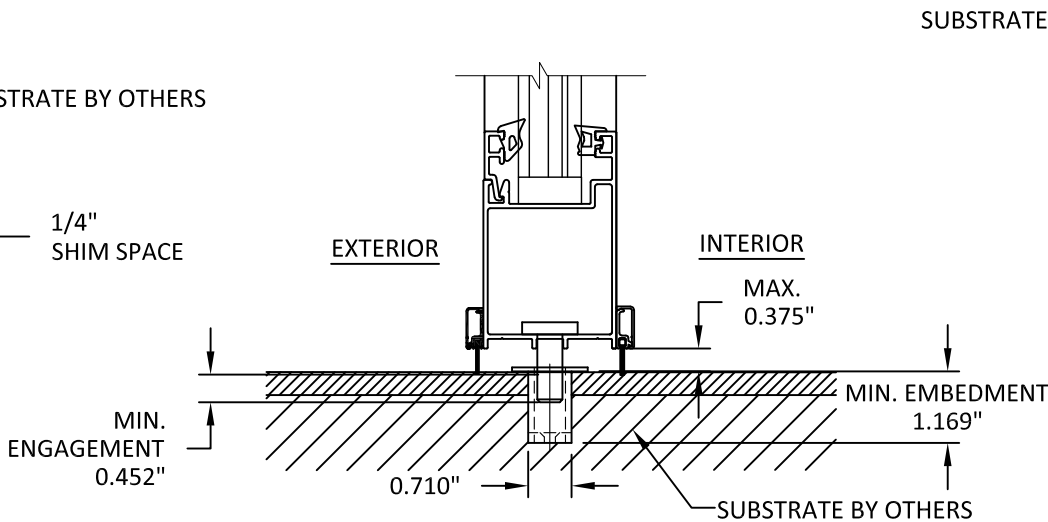
INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME (HEAD/JAMBS)	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.5"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#12 SELF DRILLING OR SELF TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	METAL: ALUMINUM MIN. 1/8" THICKNESS. MIN. 6063-T5			
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.75"	3.00"
	MASONRY: CMU per ASTM C90	1/4" ITW TAPCON	1.75"	4.00"

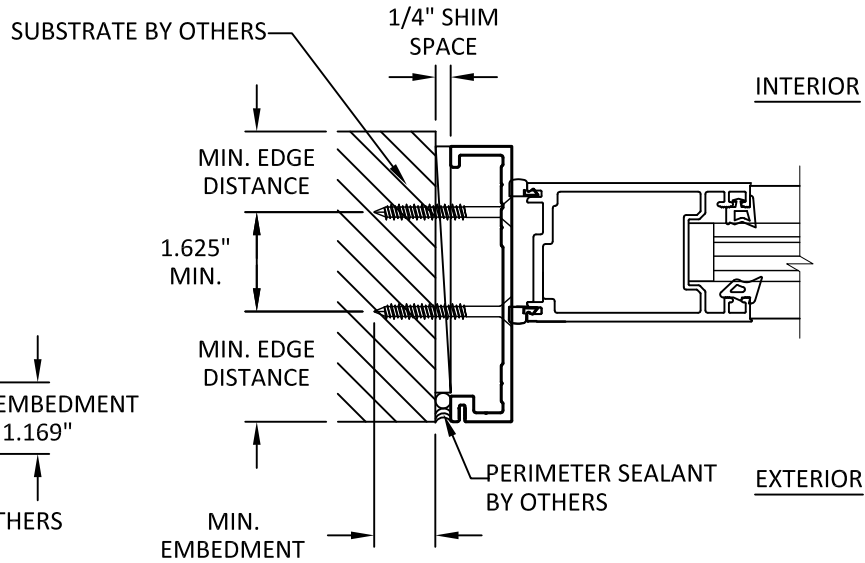


**A**  
**6** ANCHOR DETAIL  
THROUGH FRAME (HEAD)

OUTSWING DETAILS SHOWN,  
INSWING SIMILAR



**B**  
**6** ANCHOR DETAIL  
PIVOT (SILL)



**C**  
**6** ANCHOR DETAIL  
THROUGH FRAME (JAMB)

euro-wall  
SUPERIOR BY DESIGN

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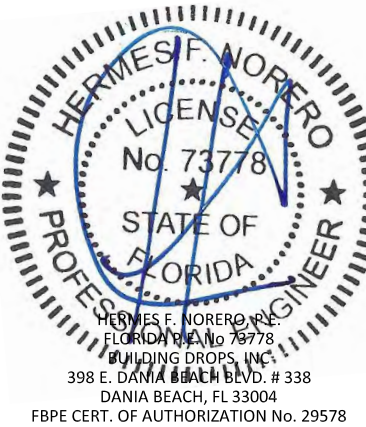
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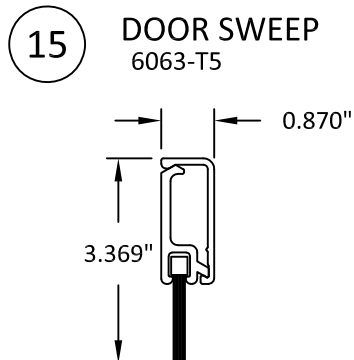
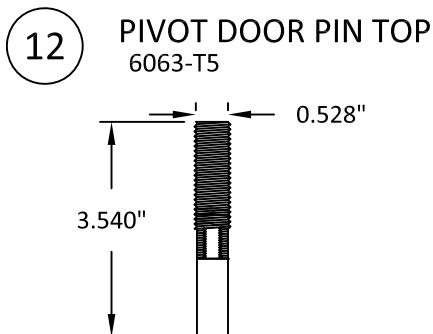
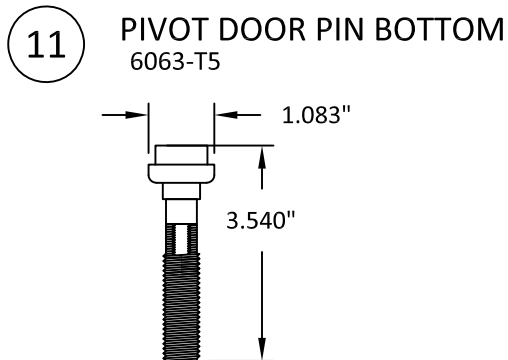
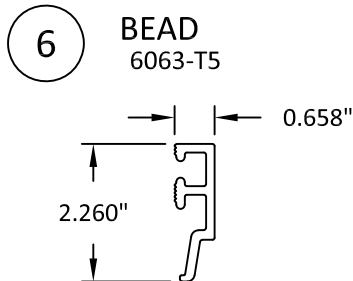
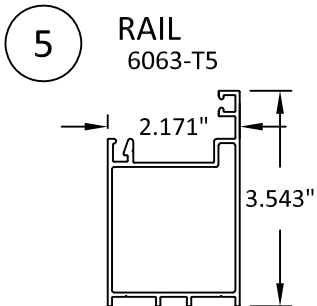
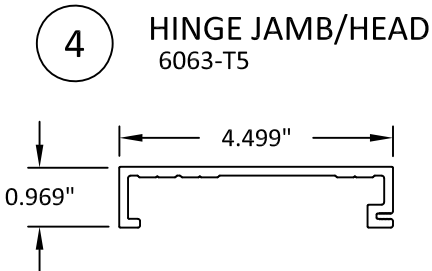
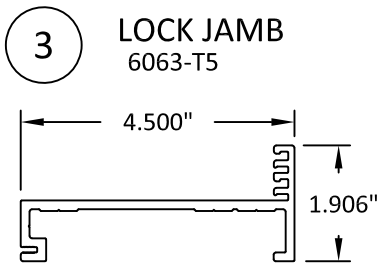
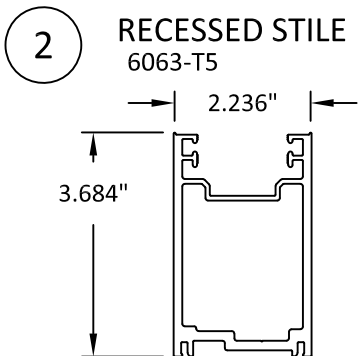
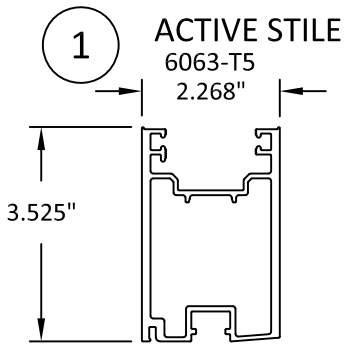
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BILL OF MATERIALS			
NO	PART #	DESCRIPTION	MATERIAL
1	E0027-A C3	ACTIVE STILE	6063-T5
2	E0036-A C3	RECESSED STILE	6063-T5
3	E0033-A C3	LOCK JAMB	6063-T5
4	E0045-A PV	HINGE JAMB/HEAD	6063-T5
5	E0035-A C3	RAIL	6063-T5
6	E0010-A C3	BEAD	6063-T5
7	C0057-A	GLAZING-PIVOT 7/8"	6063-T5
8	C0058-A	BEDDING-PIVOT	6063-T5
9	C0112-A	BIG P WEATHER STRIPPING-PANEL	URETHANE
10	C0114-A	FRAME WEATHER STRIPPING	URETHANE
11	C0038-A	PIVOT DOOR PIN BOTTOM	SS
12	C0039-A	PIVOT DOOR PIN TOP	SS
13	C0062-A	TWIN POINT HANDLE SHORT	STEEL ASSY
14	C0064-A	MULTIPOINT HANDLE	STEEL ASSY
15	C0053-A	DOOR SWEEP	NYLON
16	E0062-A	C3 REDUCER BAR .25in	6063-T5
17	E0063-A	C3 REDUCER BAR 9/16	6063-T5
18	THUMB TURN	THUMB TURN	STEEL
19	E0031-A	CORNER KEY	6063-T5
20	PULL BAR	PULL BAR	ALLOY



TITLE: EURO-PIVOT INSWING  
AND OUTSWING DOOR  
(HVHZ)(IMPACT)  
BILL OF MATERIALS

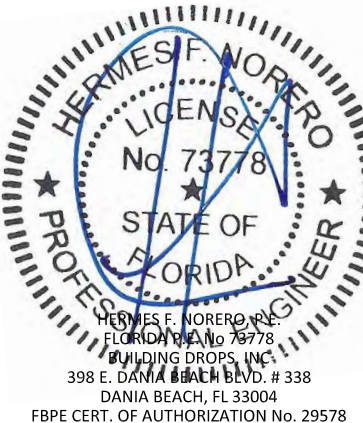
PREPARED BY: BUILDING DROPS, INC.

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DANIA BEACH, FL 33004  
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FAX: (954)744-4738  
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING	LL	4.4.21

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 #:	FL22410
DATE:	11.19.20
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS018
SHEET:	7