

DOWNEY GLASS

DG-100 SERIES ENTRANCE DOOR

(HVHZ)(IMPACT)

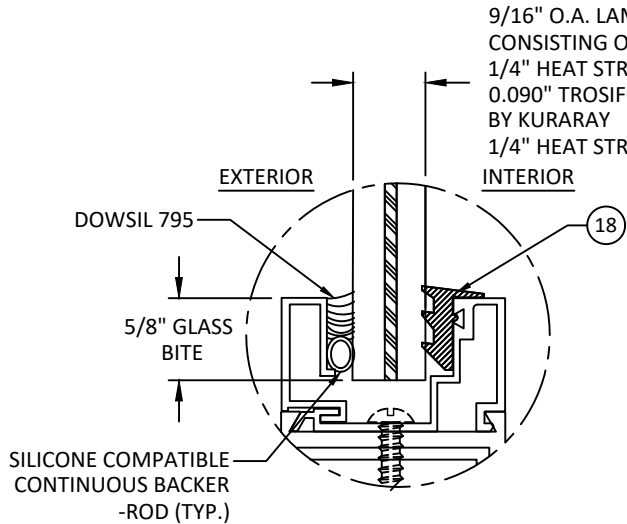
GENERAL NOTES:

- 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
- 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.
- 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.
- 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.
- 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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM (6063-T6)
- DOOR FRAME MATERIAL: ALUMINUM (6063-T6)
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

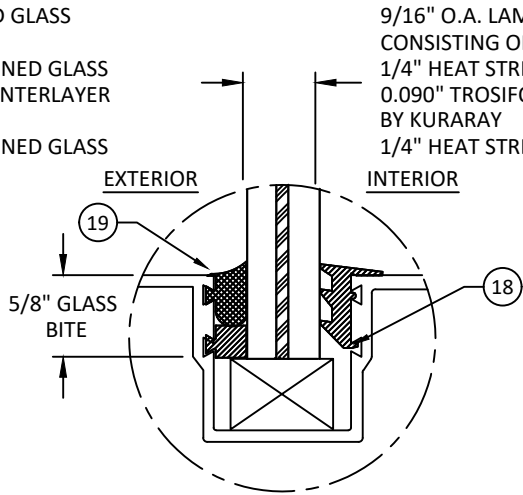
DESIGN RATING				
FRAME OVERALL SIZE		CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
12'-6"	12'-0"	O/XX - O/O	+/- 55 PSF	LARGE/SMALL MISSILE IMPACT RATING
8'-0"	10'-0"	XX	+/- 55 PSF	

DOORS NOT RATED FOR WATER INFILTRATION. SHALL BE INSTALLED AT NON-HABITABLE LOCATIONS OR WHERE PROTECTED BY AN OVERHANG RATIO EQUAL OR GREATER THAN 1.0, WHERE OVERHANG RATIO = OVERHANG LENGTH / OVERHANG HEIGHT.

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GLAZING DETAIL 1



GLAZING DETAIL 2

GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 AND FBC SAFETY GLAZING REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

HARDWARE SCHEDULE		
HARDWARE	DESIGN PRESSURE	MISSILE IMPACT RATING
ADAMS RITE 1850S 3-POINT LOCK WITH GLOBAL TH1100-FB2 FLUSH BOLTS	+/-55 PSF	LARGE/SMALL MISSILE IMPACT RATING
REGENT RESIDENTIAL 3 POINT MORTISE LOCK SET WITH GLOBAL TH1100-FB2 FLUSH BOLTS	+/-55 PSF	LARGE/SMALL MISSILE IMPACT RATING
ADAMS RITE G-86 PANIC AHRDWARE	+/-55 PSF	LARGE/SMALL MISSILE IMPACT RATING



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PH: (954) 972-0026

TITLE: DOWNEY GLASS
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GENERAL NOTES, DESIGN PRESSURE
RATING AND GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.

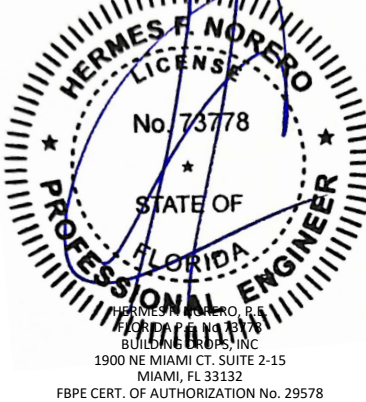
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MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.10.14 17:17:05 -04'00'



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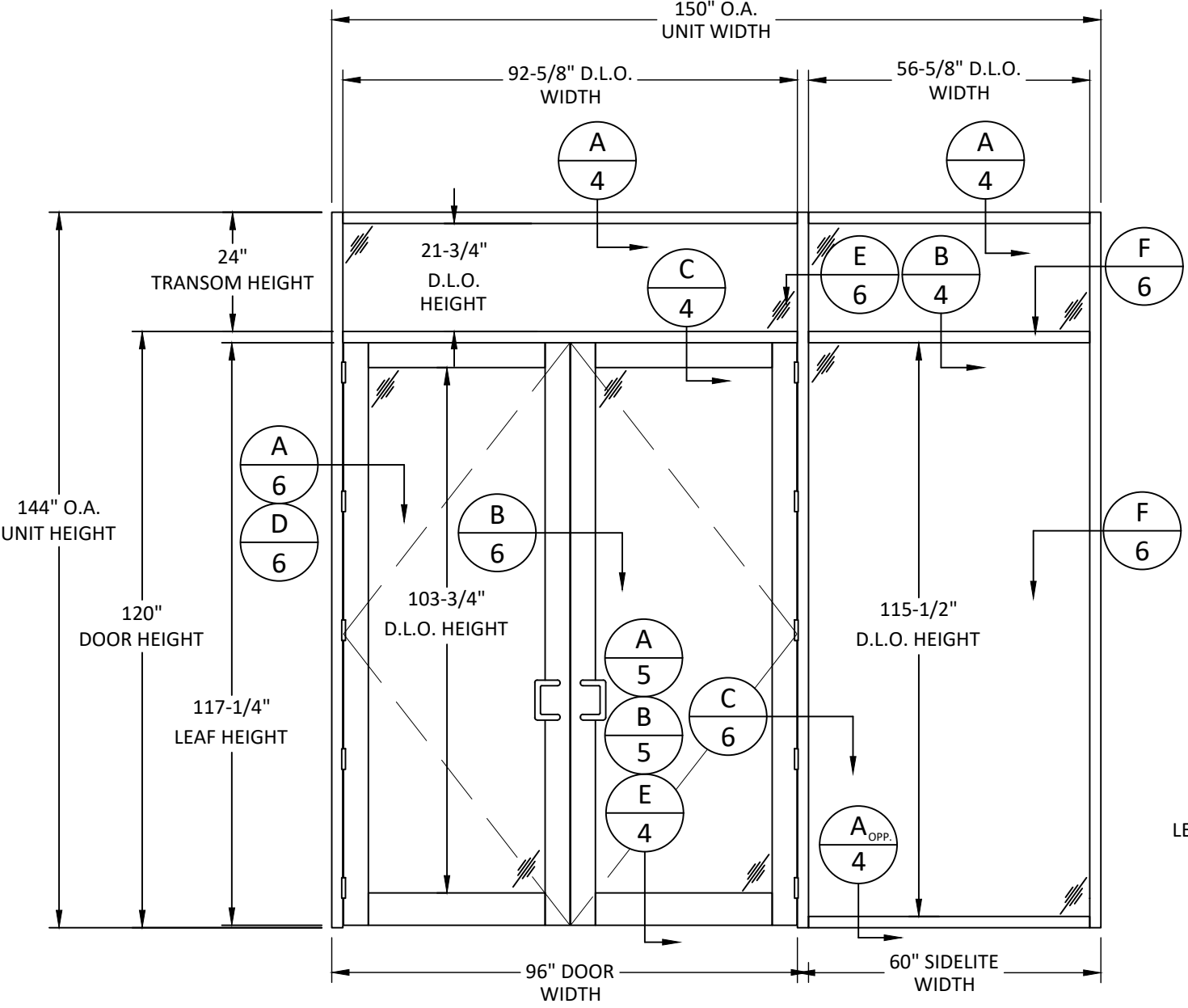
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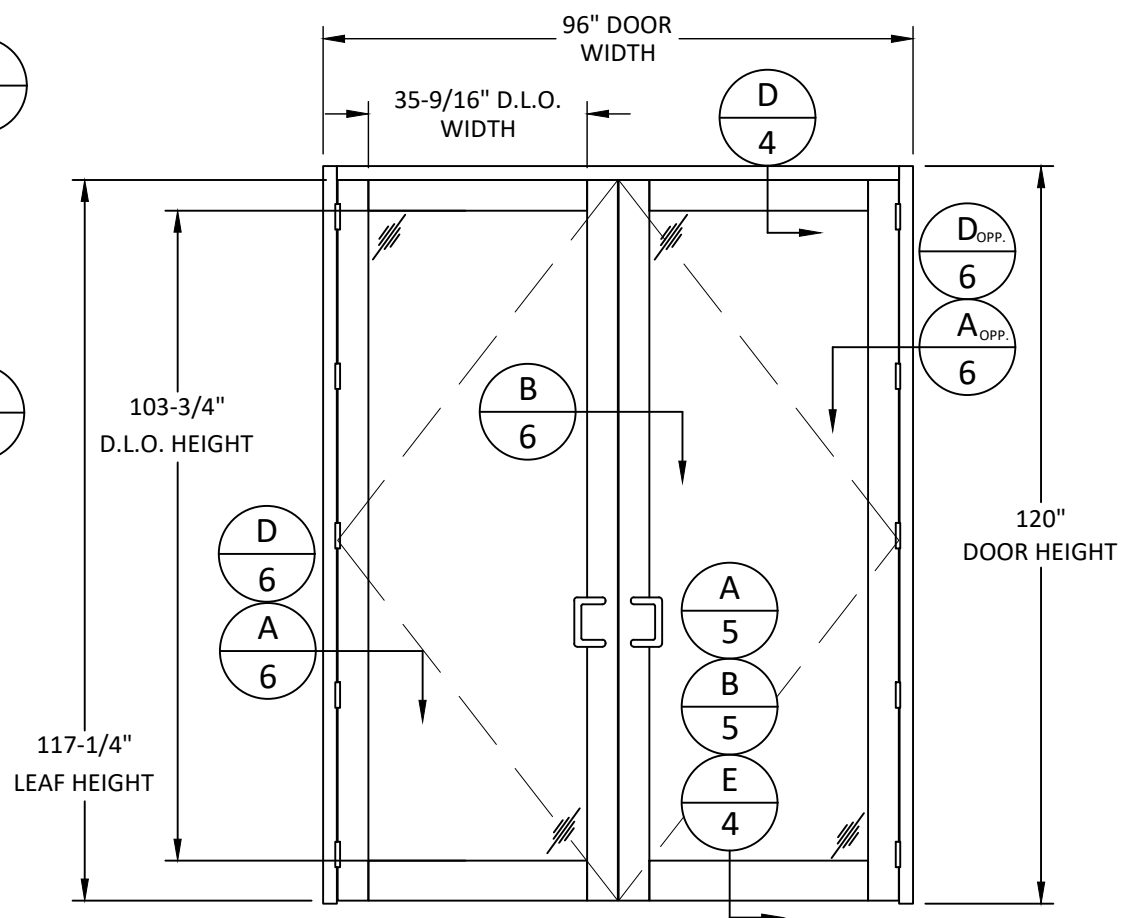
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ELEVATION



ELEVATION



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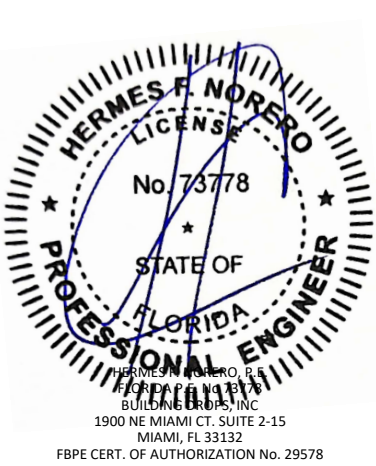
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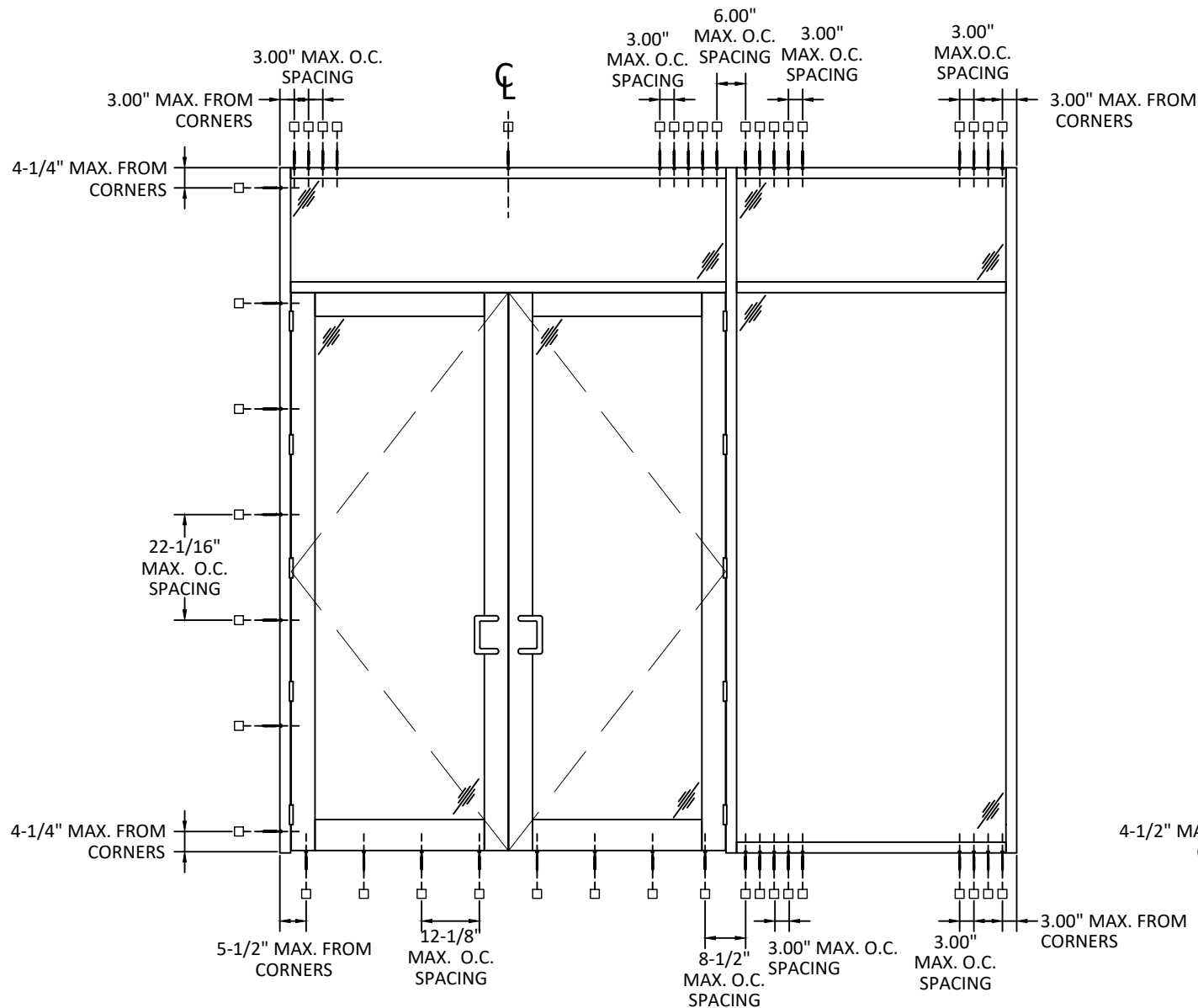
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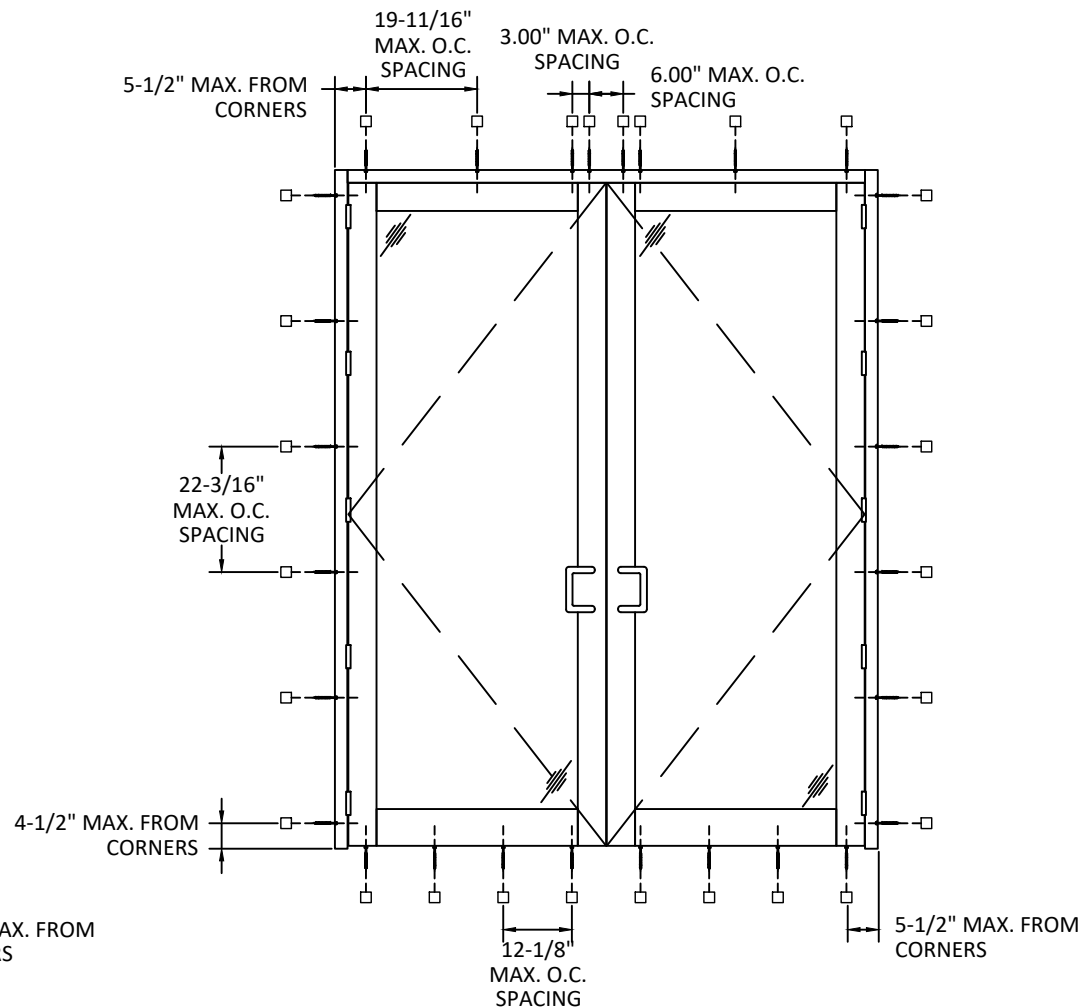
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ANCHOR LAYOUT
THROUGH FRAME



ANCHOR LAYOUT
THROUGH FRAME

ANCHOR SCHEDULE - DG100 SERIES ENTRANCE DOOR				
INST. METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	5/16" DEWALT ULTRACON LAG WOOD SCREW	WOOD (S.G. = 0.55)	1.50"	1.875"
	5/16" SELF-TAPPING SCREW	MIN. 18 GA. STEEL (33KSI)/ ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN.. PENETRATION BEYOND METAL FACE	0.50"
	5/16" DEWALT ULTRACON	CONCRETE: f'c = 3000 PSI	2.00"	3.125"



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ANCHOR LAYOUTS AND SCHEDULE

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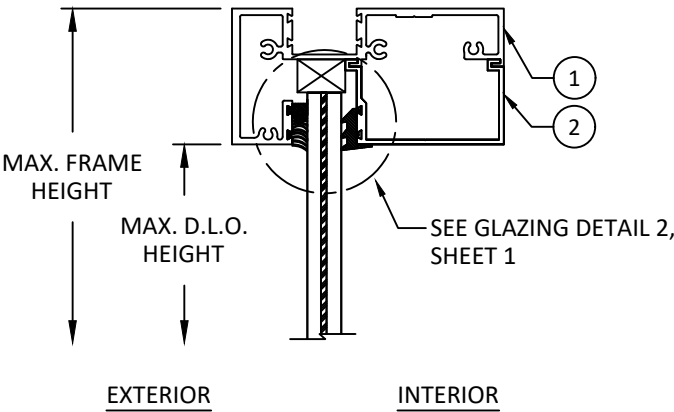
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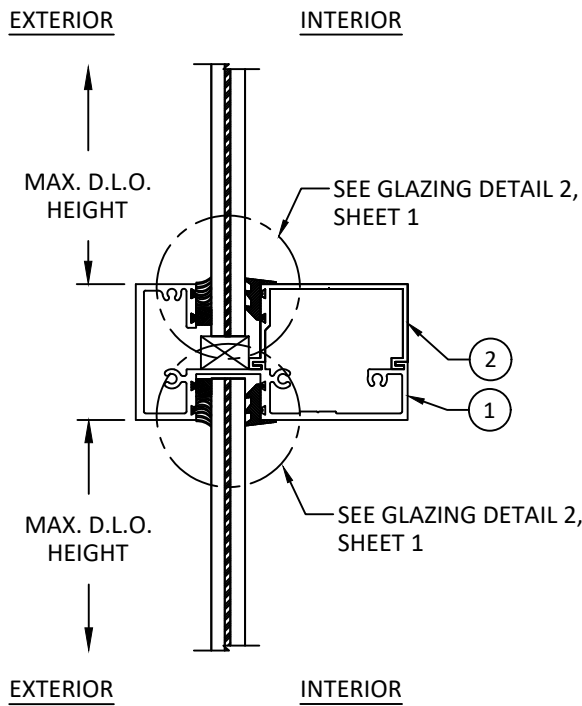
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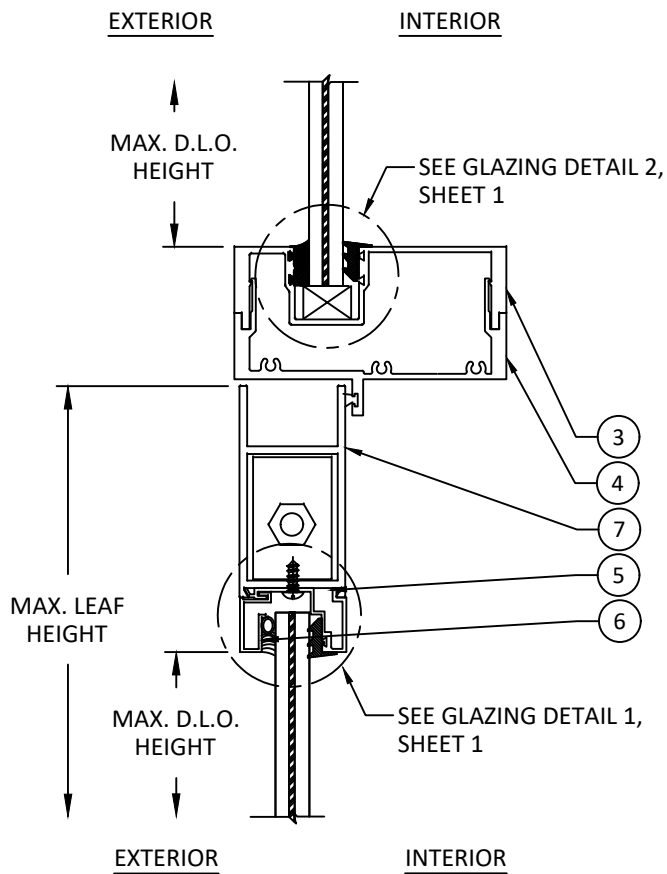
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A
4 VERTICAL SECTION
TYP. FIXED LITE HEAD/SILL

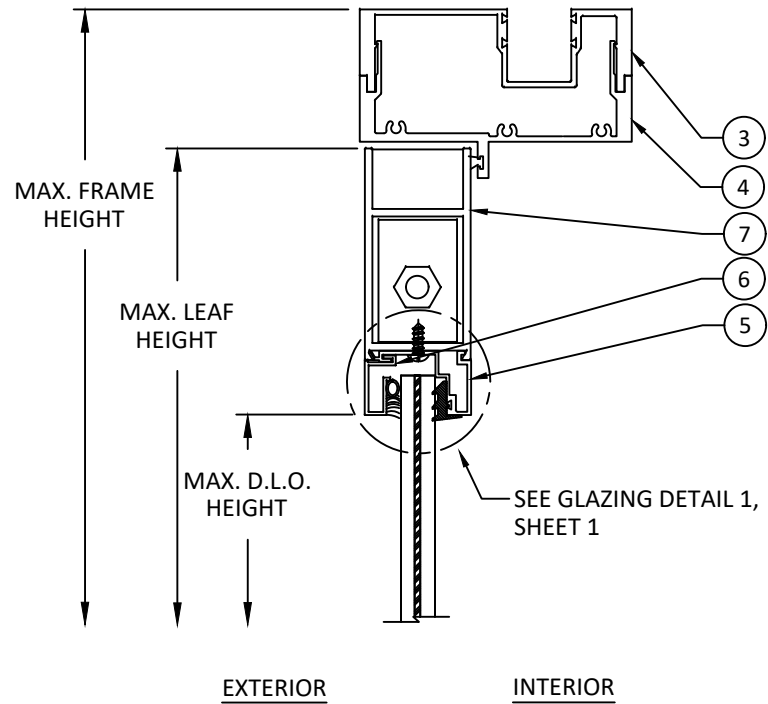


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4 VERTICAL SECTION
TYP. HORIZONTAL MULLION

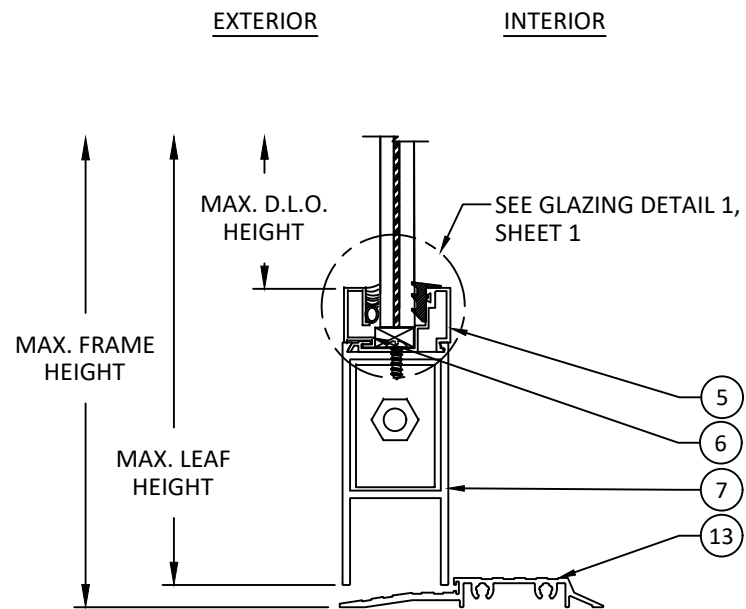


C
4 VERTICAL SECTION
TYP. TRANSOM MULLION

NOTE: SEE SHEET 1 FOR
MAXIMUM HEIGHT OF DOORS
AND FIXED LITES.



D
4 VERTICAL SECTION
TYP. DOOR HEAD



E
4 VERTICAL SECTION
TYP. DOOR SILL



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VERTICAL SECTIONS

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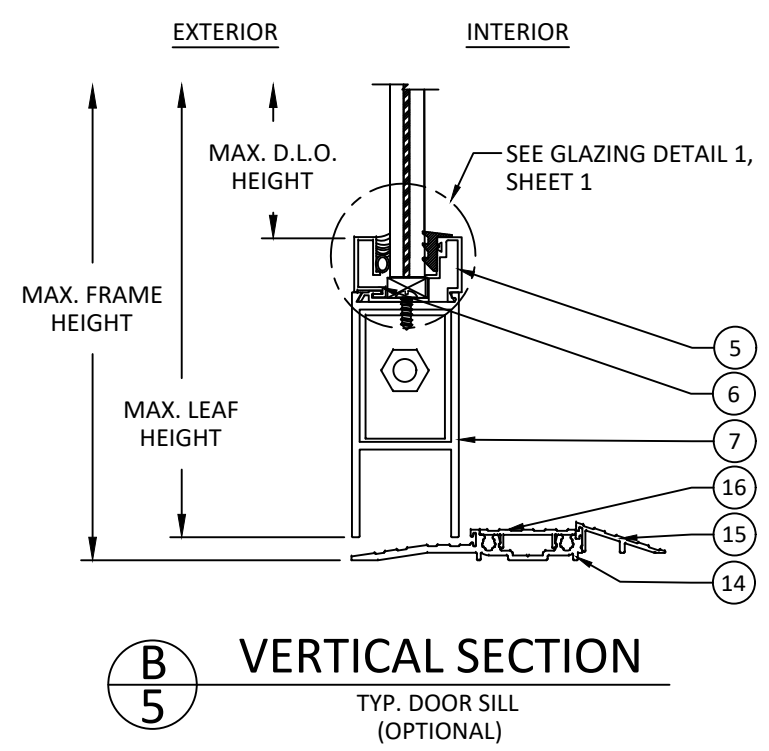
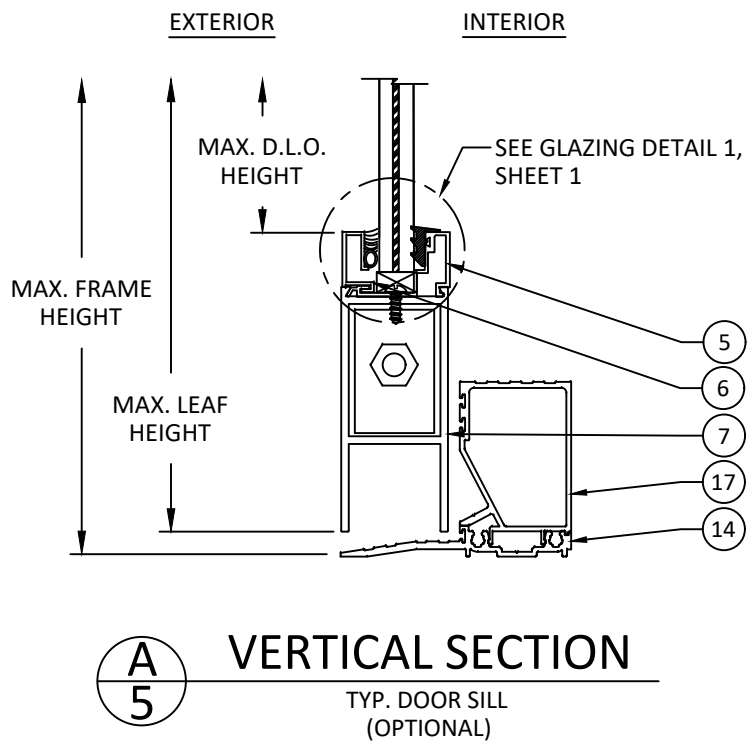
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DG

DOWNEY GLASS

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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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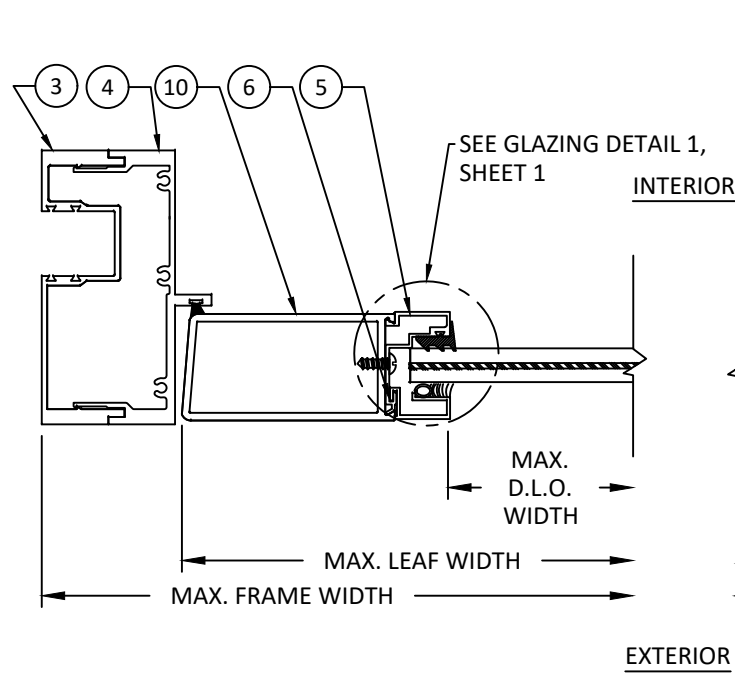
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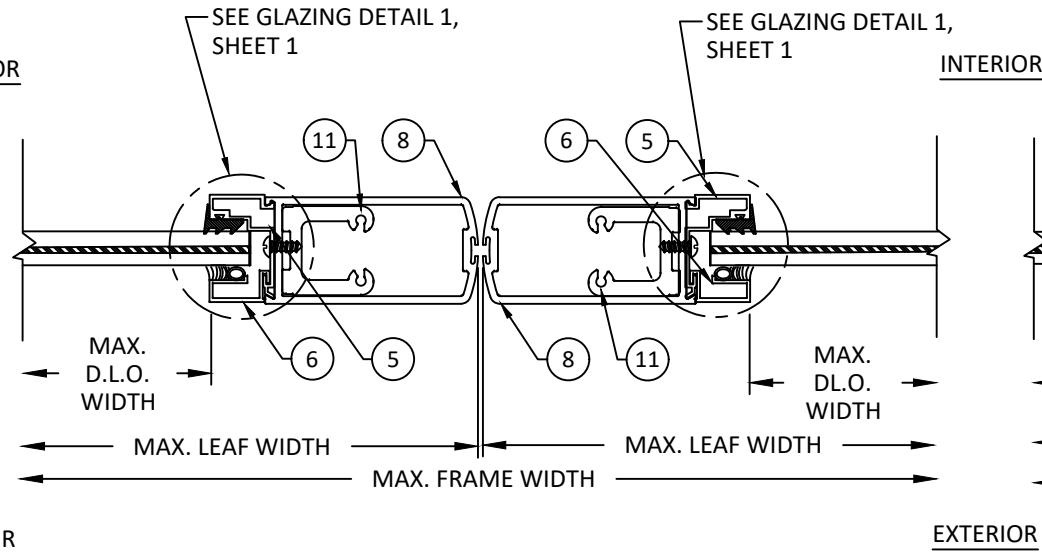
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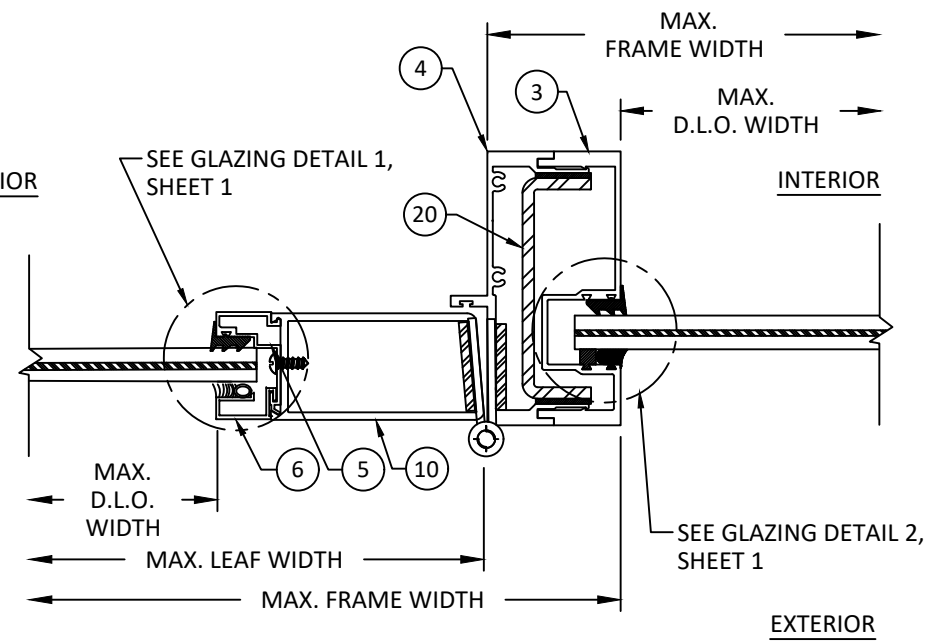
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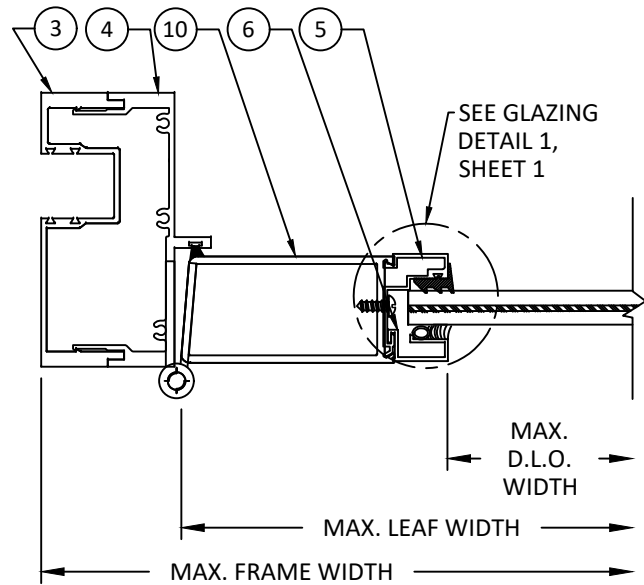
A HORIZONTAL SECTION
6 TYP. DOOR LOCK JAMB



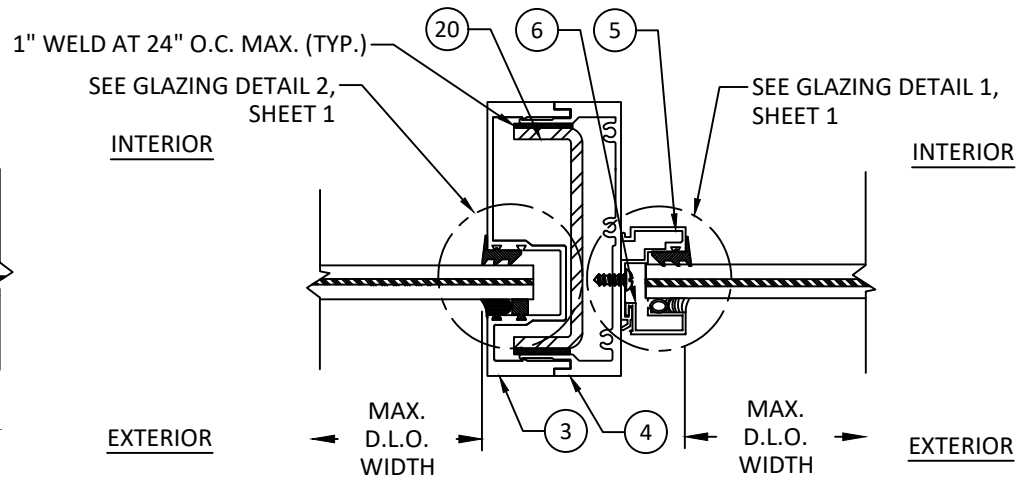
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6 TYP. MEETING STILE



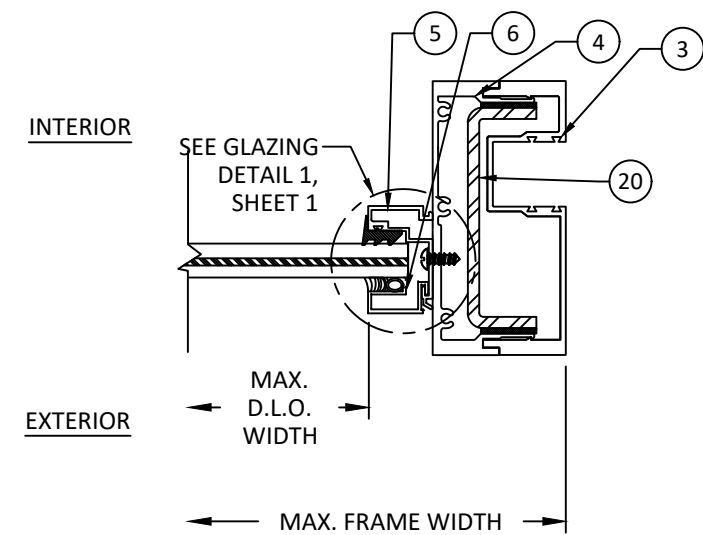
C HORIZONTAL SECTION
6 TYP. HINGED DOOR TO SIDELITE MULLION



D HORIZONTAL SECTION
6 TYP. HINGED DOOR JAMB



E HORIZONTAL SECTION
6 TYP. VERTICAL MULLION



F HORIZONTAL SECTION
6 TYP. SIDELITE JAMB



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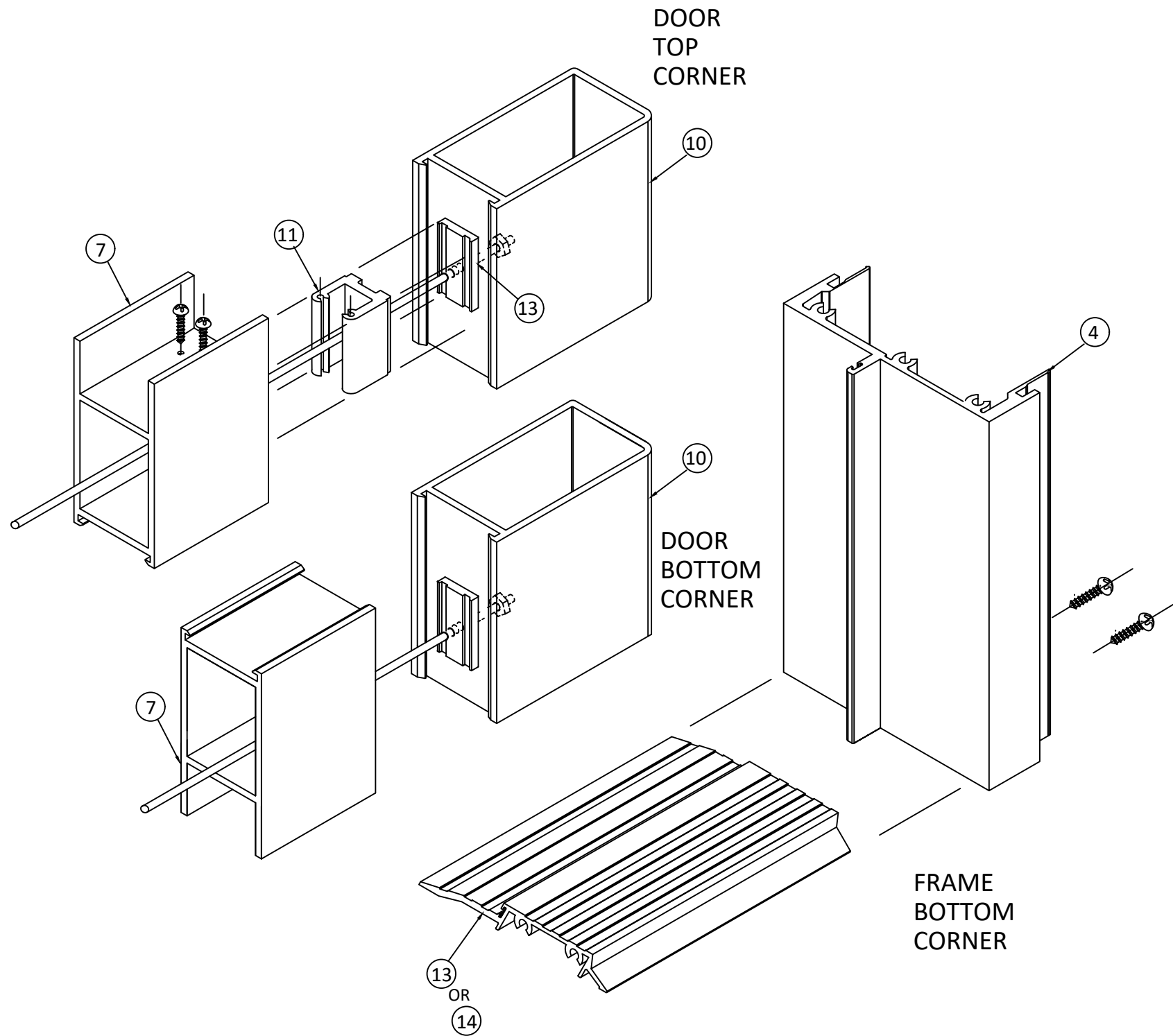
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CORNER CONSTRUCTION USING THRESHOLD



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CORNER CONSTRUCTION DETAIL

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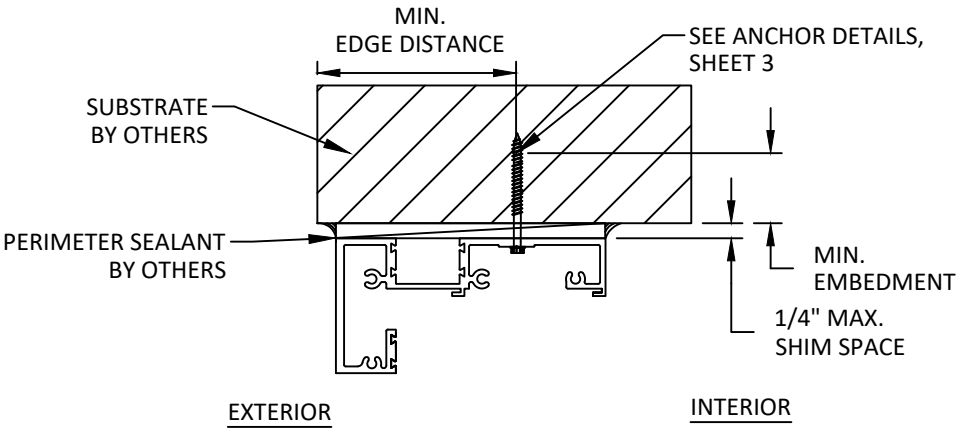
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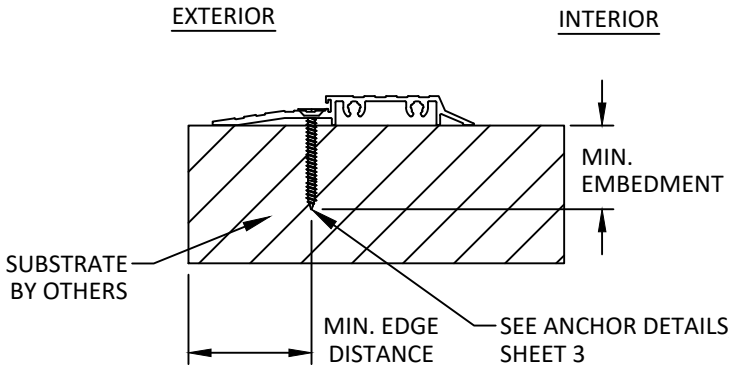


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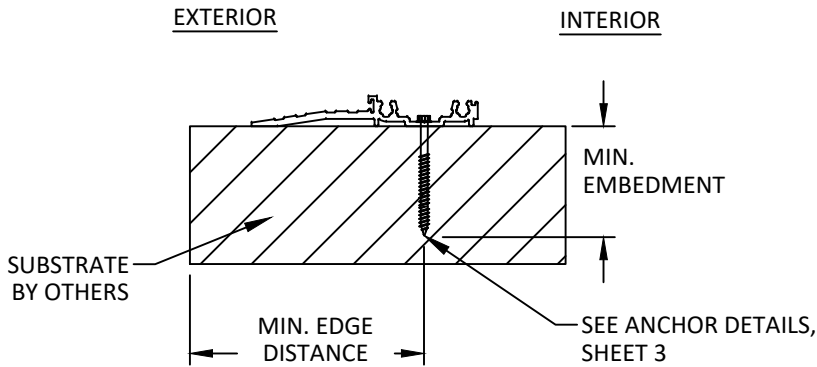
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A
8 **VERTICAL SECTION**
TYP. SIDLITE HEAD/SILL INSTALLATION
THROUGH FRAME

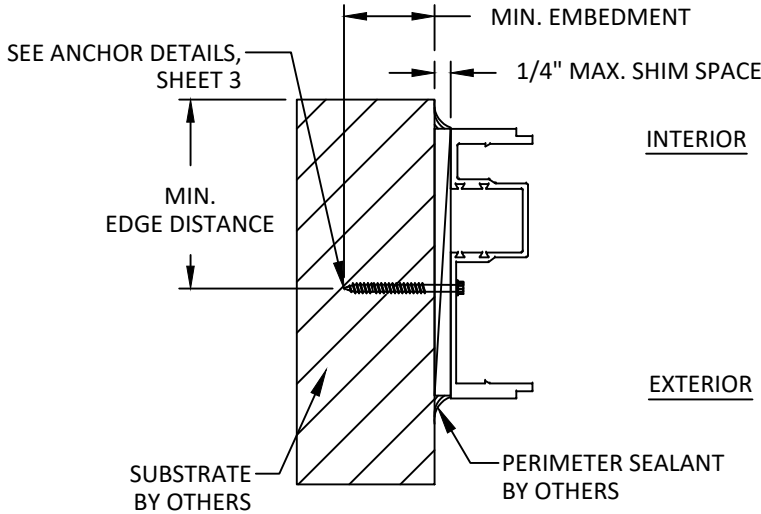


B
8 **VERTICAL SECTION**
TYP. DOOR SILL INSTALLATION
THROUGH FRAME



C
8 **VERTICAL SECTION**
TYP. DOOR ALT. SILL INSTALLATION
THROUGH FRAME

NOTE: DOOR ALTERNATE SILL INSTALLATION
IS SIMILAR TO THAT OF INSTALLATION
DETAIL A/5 & B/5.



D
8 **HORIZONTAL SECTION**
TYP. JAMB INSTALLATION
THROUGH FRAME

NOTE: DOOR HEAD INSTALLATION
IS SIMILAR TO THAT OF INSTALLATION
DETAIL D/8.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
- 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.
- 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 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.
- 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.



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ANCHOR DETAILS AND
INSTALLATION NOTES

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SCALE: **NTS**

DWG. #: **DWG014**

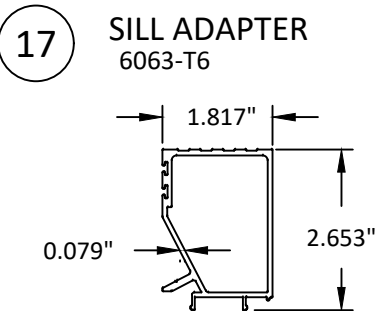
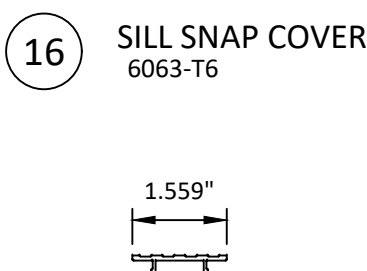
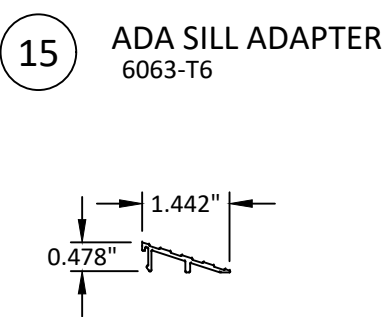
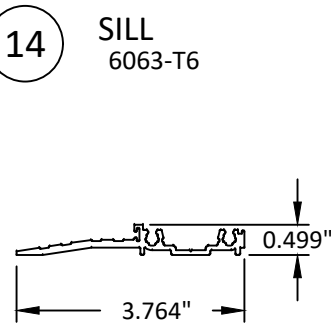
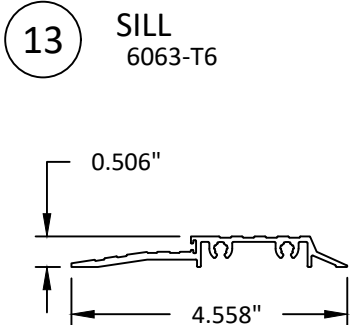
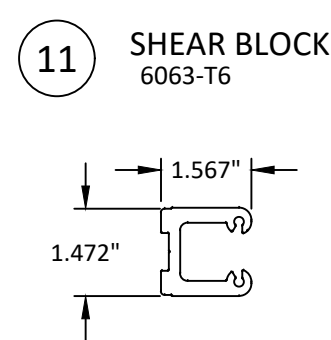
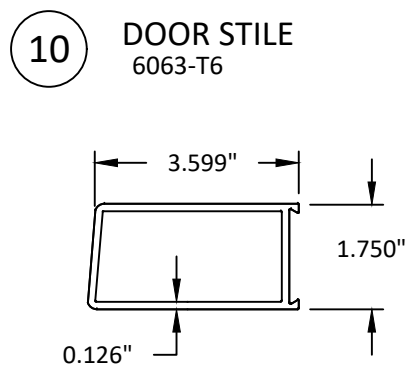
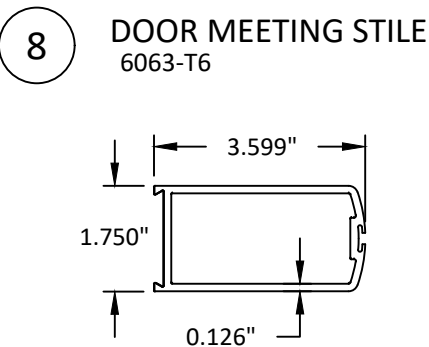
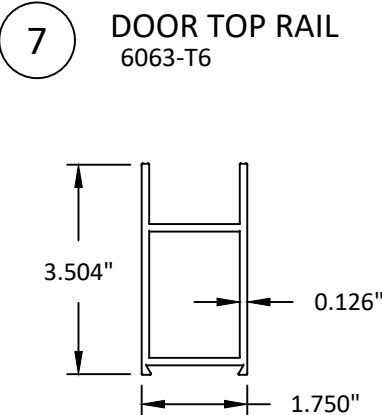
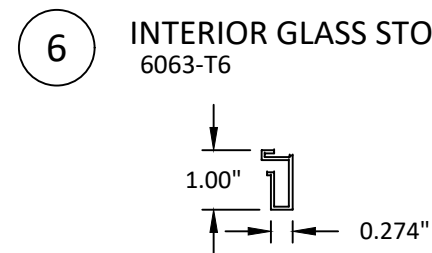
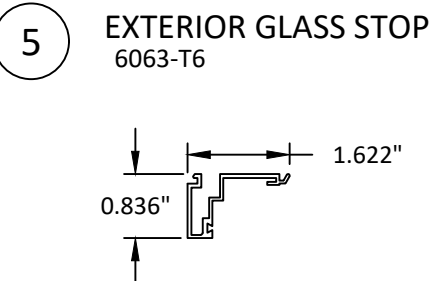
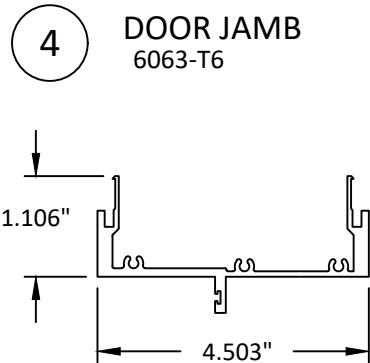
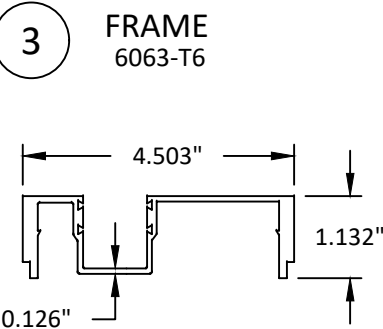
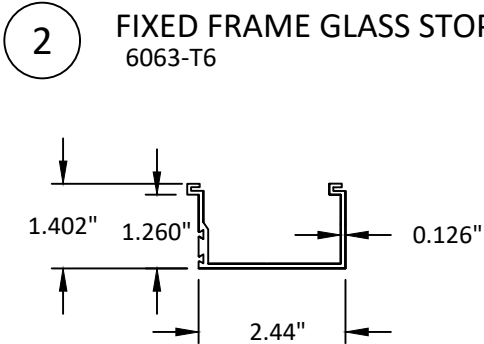
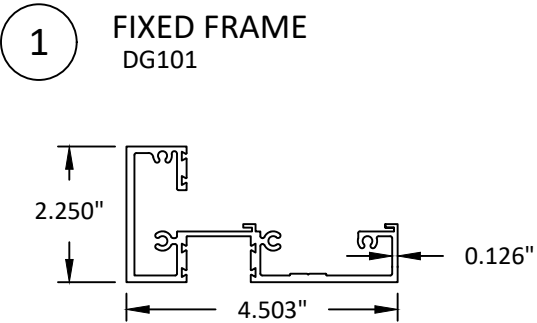
SHEET:

8

OF 9

c:\users\franciscobriceno\building drops, inc\building drops landing - common\projects\downey glass\bc-24-0516 - fbc-submittal - dg-100 series entrance door dg-300 series window wall\dwg\014 - fbc23 - recover.dwg 10/7/2024 10:48 AM

BILL OF MATERIALS - DG-100 ENTRANCE DOOR			
ITEM #	PART #	DESCRIPTION	MATERIAL
1	DG101	FRAME HEAD	6063-T6
2	DG102	HEADER GLASS STOP	6063-T6
3	DG103	FRAME JAMB BASE	6063-T6
4	DG104	JAMB FOR DOOR	6063-T6
5	DG105	EXTERIOR GLASS STOP	6063-T6
6	DG106	INTERIOR GLASS STOP	6063-T6
7	DG107A	DOOR THRESHOLD	6063-T6
8	DG108	DOOR TOP RAIL	6063-T6
9	DG110	DOOR JAMB STILE	6063-T6
10	DG111	DOOR ASTRAGAL	6063-T6
11	DG112	SHEAR BLOCK	6063-T6
12	DG113	BACK PLATE	6063-T6
13	DG114	SILL	6063-T6
14	DG114A	SILL	6063-T6
15	DG114B	ADA SILL ADAPTER	6063-T6
16	DG114C	SILL SNAP COVER	6063-T6
17	DG114D	SILL ADAPTER	6063-T6
18	WWFP489-H	WEDGE GASKET	EPDM
19	WWFP491B	1/4 X1/4 GASKET	EPDM
20	3833	3/8" THREADED ROD	STEEL
21	-	REINFORCEMENT PLATE	STEEL



DOWNEY GLASS
1100 NW 15TH AVE
POMPANO BEACH, FL 33069
PH: (954) 972-0026

TITLE: DOWNEY GLASS
DG-100 SERIES ENTRANCE DOOR
(HVHZ)/(IMPACT)

COMPONENTS AND
BILL OF MATERIALS

PREPARED BY: BUILDING DROPS, INC.

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

PH: (954) 399-8478

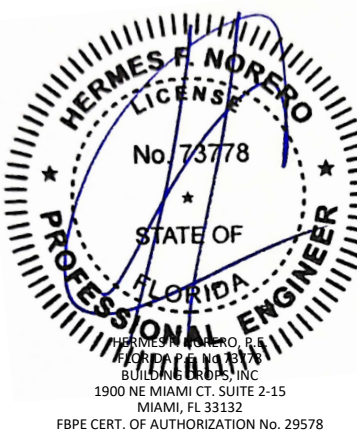
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE

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 #:	FL46939
DATE:	06.06.2024
DWG. BY:	FB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	DWG014
SHEET:	9 OF 9