

OLDCASTLE BUILDINGENVELOPE®

RUGGED STORMMAX ENTRANCE DOOR

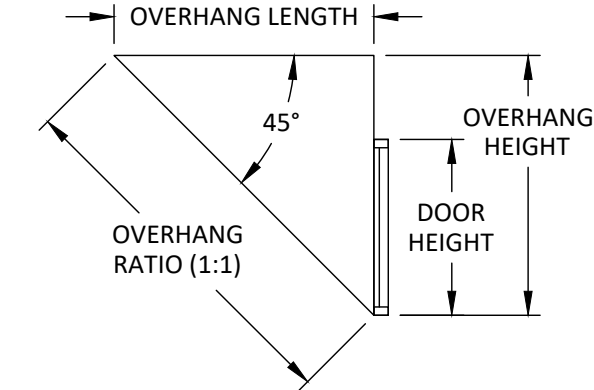
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- AAMA 1304-02
 - ASTM E283-19
 - ASTM E330-14(21)
 - ASTM E1886-19
 - ASTM E1996-20
 - 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. 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** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. PROFILE MATERIALS: ALUMINUM 6063-T5/6063-T6.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

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NOTE: PRODUCT HAS NOT BEEN RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥1.0



DESIGN PRESSURE RATING	
MAX. DESIGN PRESSURE	MISSILE RATING
+/- 110 PSF*	MISSILE LEVEL E IMPACT RATED

* SEE SHEET 3 & 15 FOR ALTERNATE DESIGN PRESSURES.



OLDCASTLE BUILDINGENVELOPE®
8655 ELM FAIR BLVD.
TAMPA, FL 33610
PH: (972) 551-6100

TITLE:
RUGGED STORMMAX ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

GENERAL NOTES &
DESIGN PRESSURE RATING

PREPARED BY:

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

REMARKS	BY	DATE
A. MISC. REVISION	MS	6/18/2024
B. 2026 FBC UPDATE	MS	7/29/2026

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.21 13:24:57 -0400



HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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FL46731

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CHK. BY:
HFN

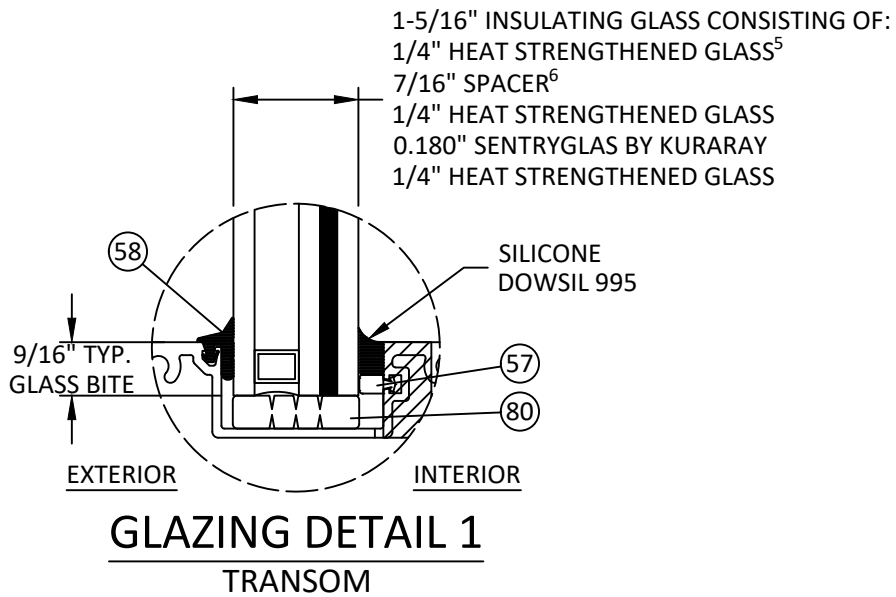
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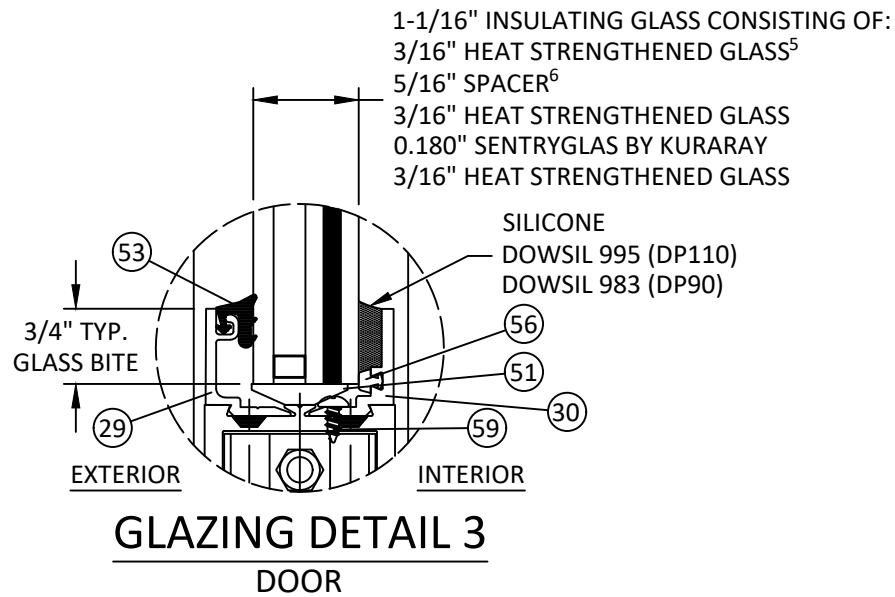
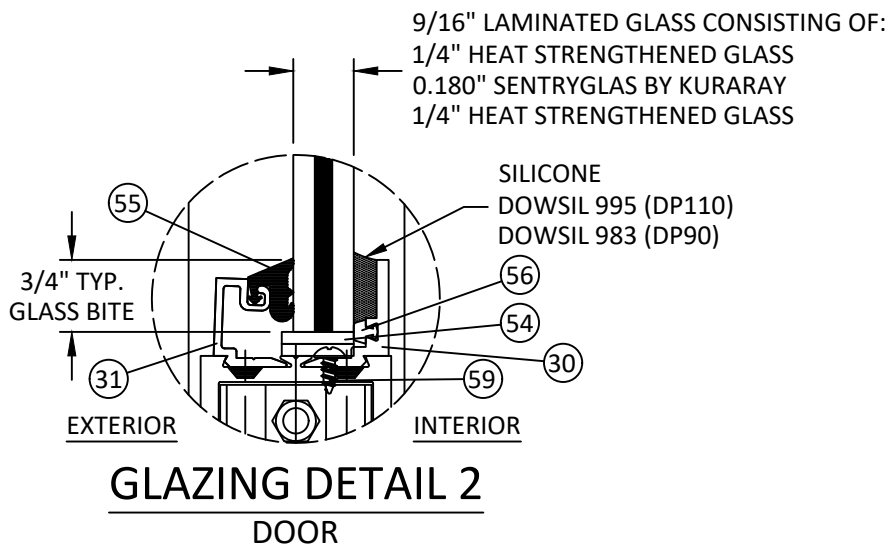
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GLAZING NOTES:

1. GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS. 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. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHEETS 1, 3, &4.
5. WHEN USED FOR SMALL MISSILE IMPACT PROTECTION, THE SACRIFICIAL GLASS SHALL BE TEMPERED TREATED.
6. A CHANGE IN SPACER TYPE, SHAPE, OR DIMENSION IS ALLOWED AUTOMATICALLY. SEE TABLE BELOW FOR SPACER OPTIONS.

GLASS SPACER OPTIONS	
OPTION #	SPACER TYPE
1	ALUMINUM BOX SPACER
2	TECHNOFORM TGI-SPACER
3	QUANEX SUPER SPACER T-SPACER
4	FULLER K4SG (THERMOPLASTIC SPACER)



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GLAZING DETAILS

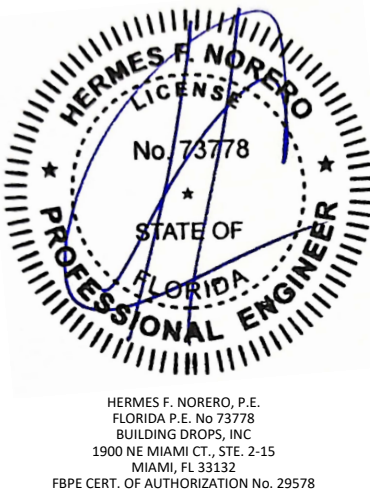
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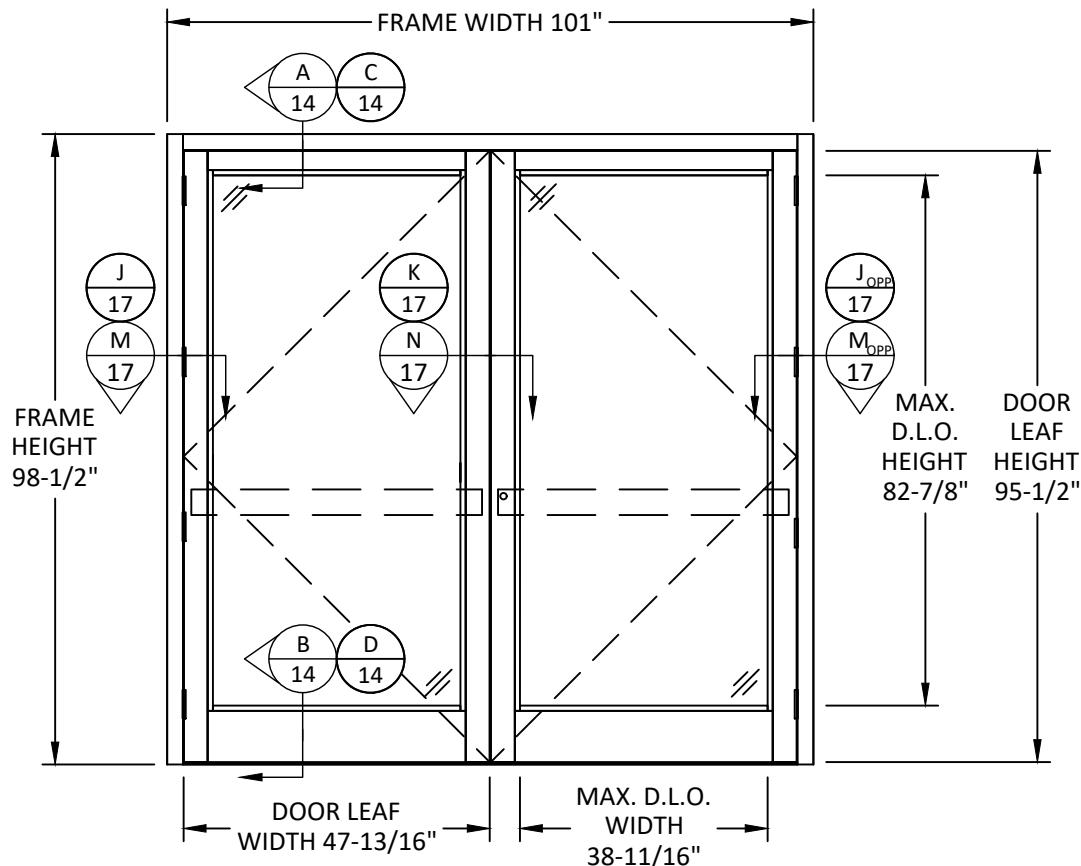
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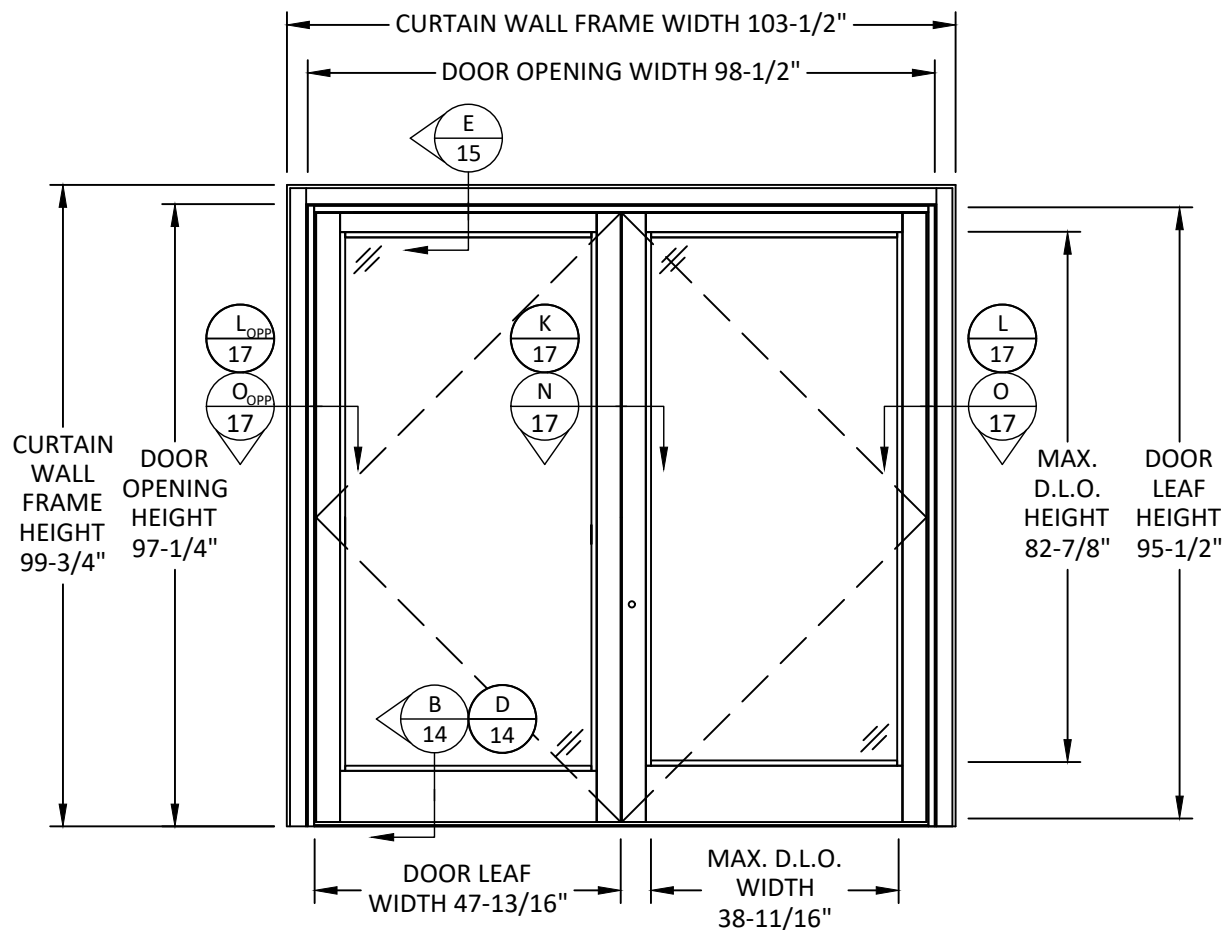
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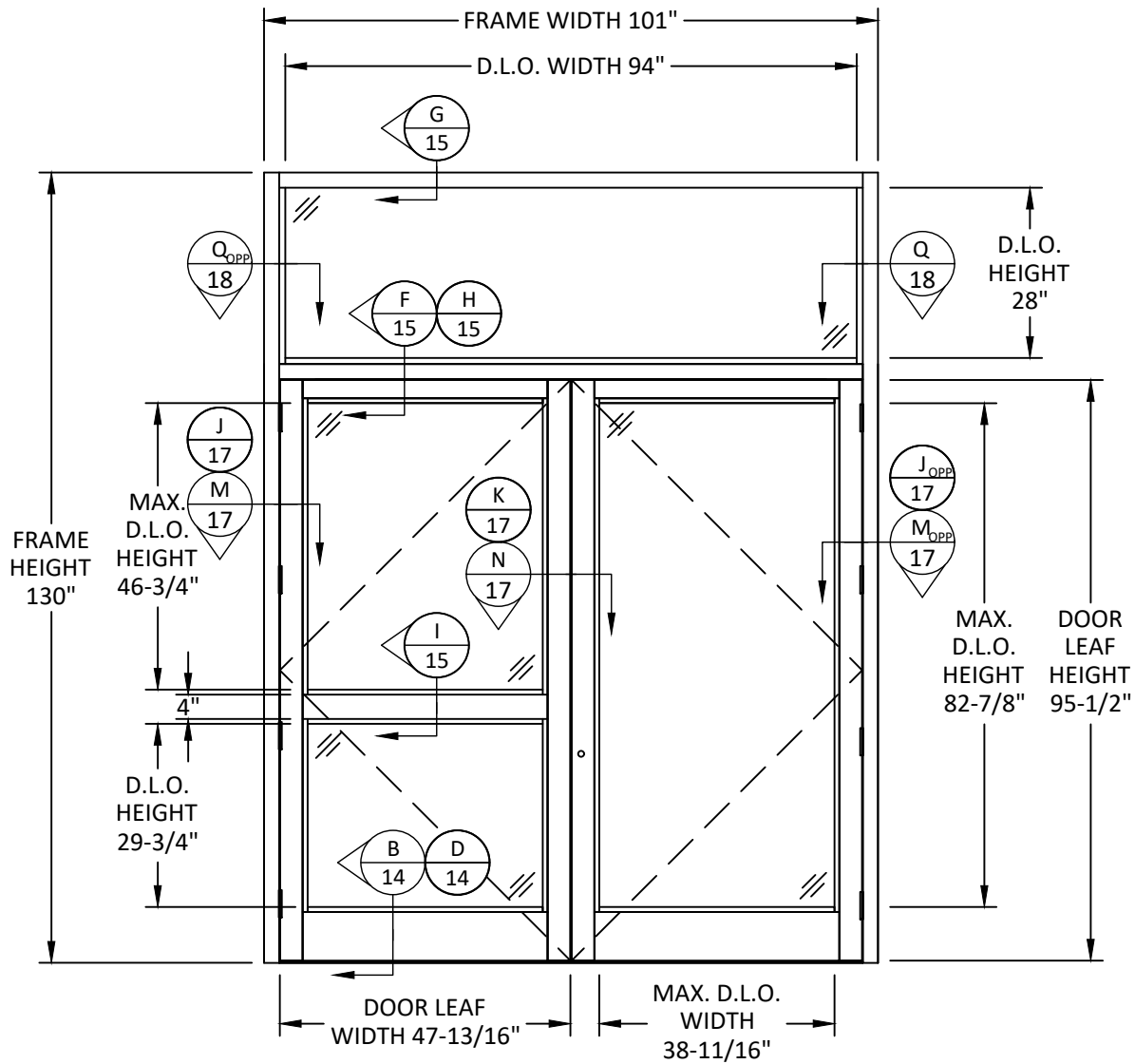
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TYPICAL ELEVATION



TYPICAL ELEVATION
W/ CURTAIN WALL FRAME



TYPICAL ELEVATION
W/ TRANSOM

ITEM #	OBE PART #	HARDWARE	DESIGN PRESSURE
A	LK-1	ADAMS RITE 1853A-310 DEADLOCK	+/-110 PSF
B	LK-4	ADAMS RITE 4015 THRESHOLD BOLT	+/-110 PSF
C	LK-5	ADAMS RITE 4016 HEADER BOLT	+/-110 PSF
D	MH-7	ADAMS RITE 41-0828 LOCK ROD GUIDE	+/-110 PSF
E	FB-15	CALIBRE FB-1201-VRM (BOTTOM OF DOOR) FLUSH BOLTS	+/-110 PSF
F	FB-16	CALIBRE FB-1201-VRM-96 (TOP OF DOOR) FLUSH BOLTS	+/-110 PSF
G	BH-6	REGENT 4001SS BALL BEARING BUTT HINGES OR EQUAL	+/-110 PSF
H	GH-02	PEMKO FMSLI-HD1 GEAR HINGES OR EQUAL	+/-110 PSF
I	VARIES	CONCEALED CLOSER OR EQUAL	+/-110 PSF
J	VARIES	SURFACE CLOSER OR EQUAL	+/-110 PSF
K	CY-1	CYLINDER	+/-110 PSF
L	PNC-14	FIRST CHOICE FLX3690H CONCEALED VERTICAL ROD EXIT DEVICE	+/-90 PSF
M	PNC-15	FIRST CHOICE FLX8660H CONCEALED VERTICAL ROD EXIT DEVICE	+/-90 PSF
N	CY-5	CYLINDER W/ CVR EXIT DEVICE	+/-90 PSF



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TYPICAL ELEVATIONS &
HARDWARE CHART

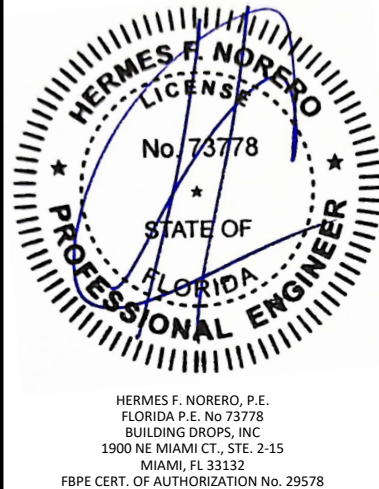
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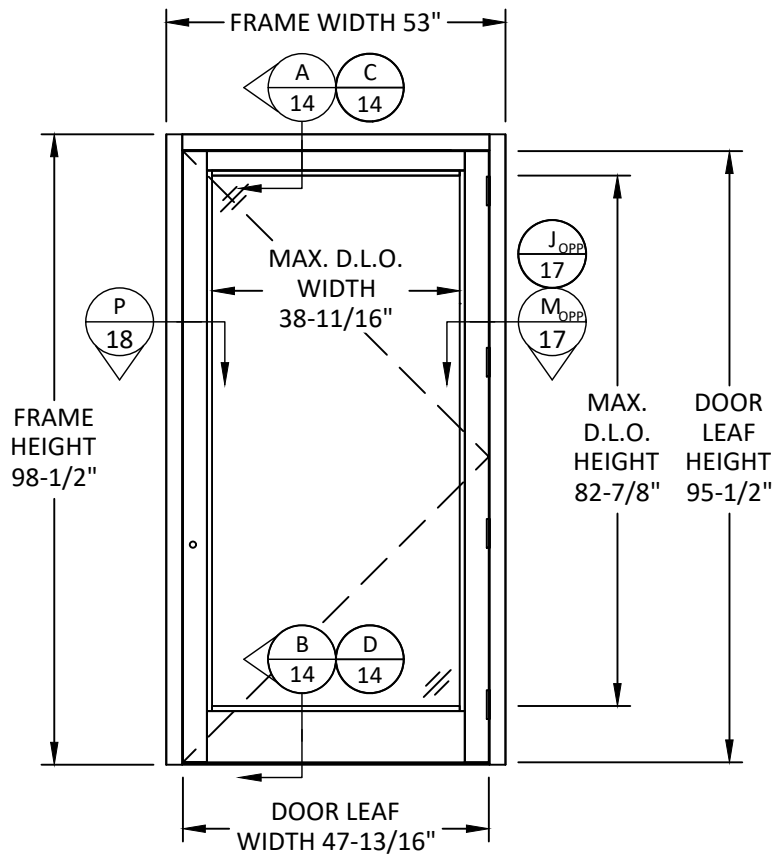
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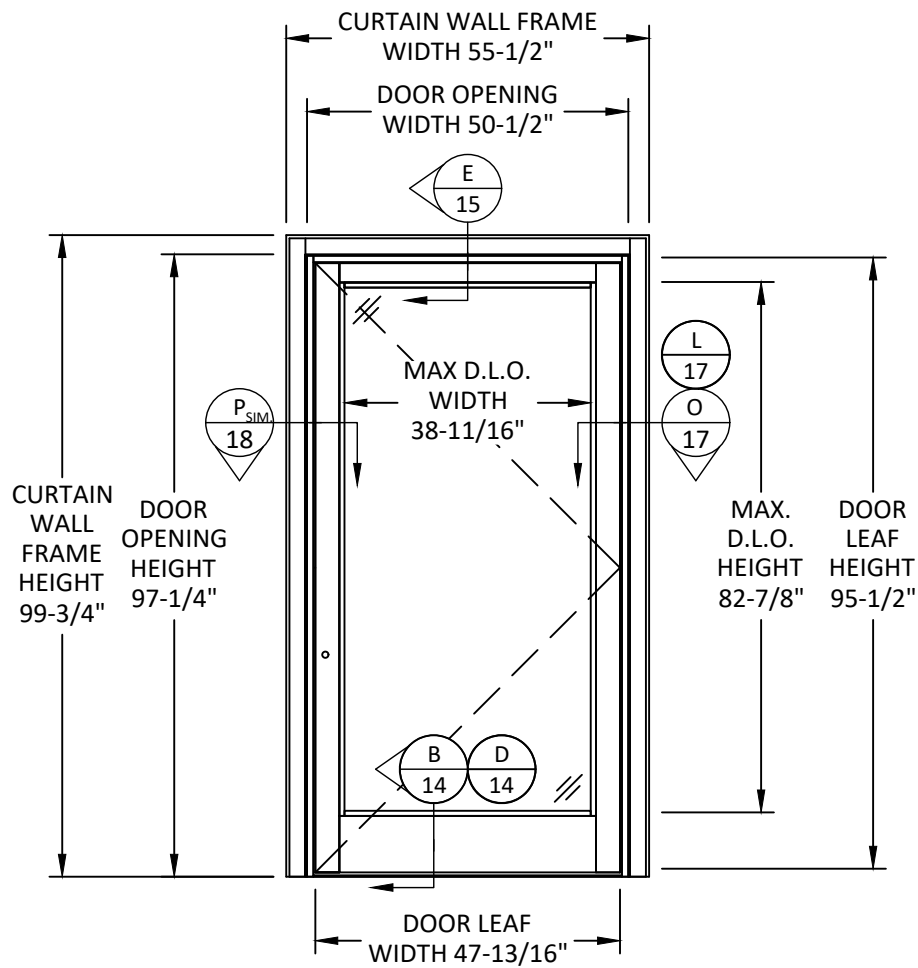
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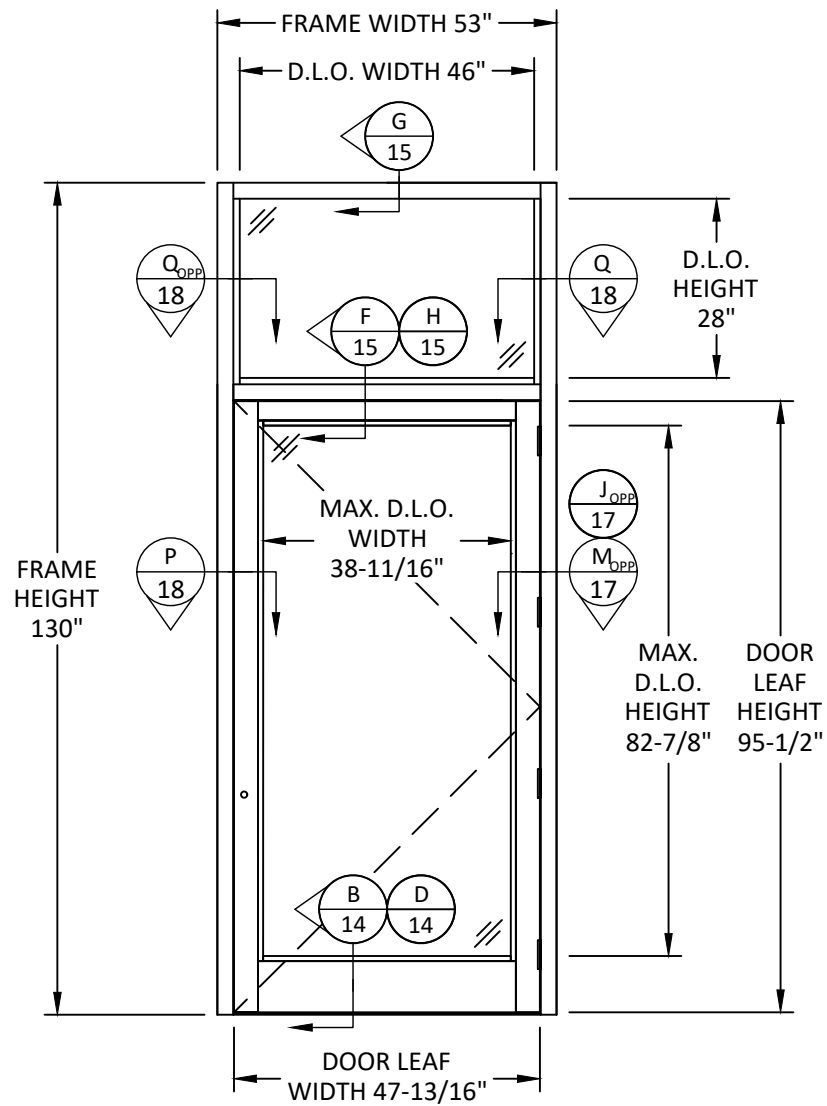
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TYPICAL ELEVATION
SINGLE DOOR



TYPICAL ELEVATION
SINGLE DOOR W/ CURTAIN WALL FRAME



TYPICAL ELEVATION
SINGLE DOOR W/ TRANSOM



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ANCHOR LAYOUTS
(WOOD SUBSTRATE)

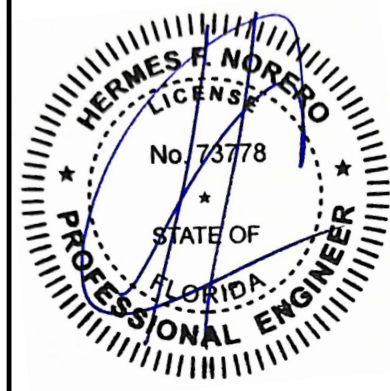
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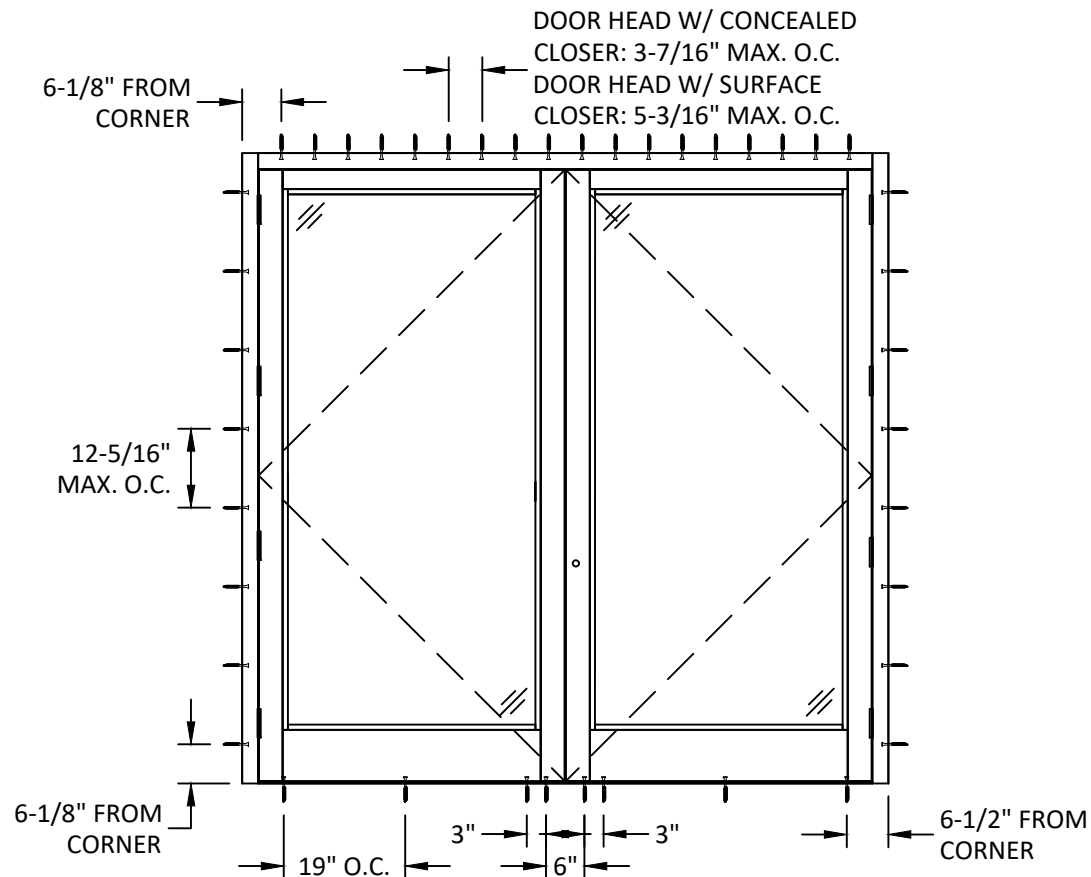
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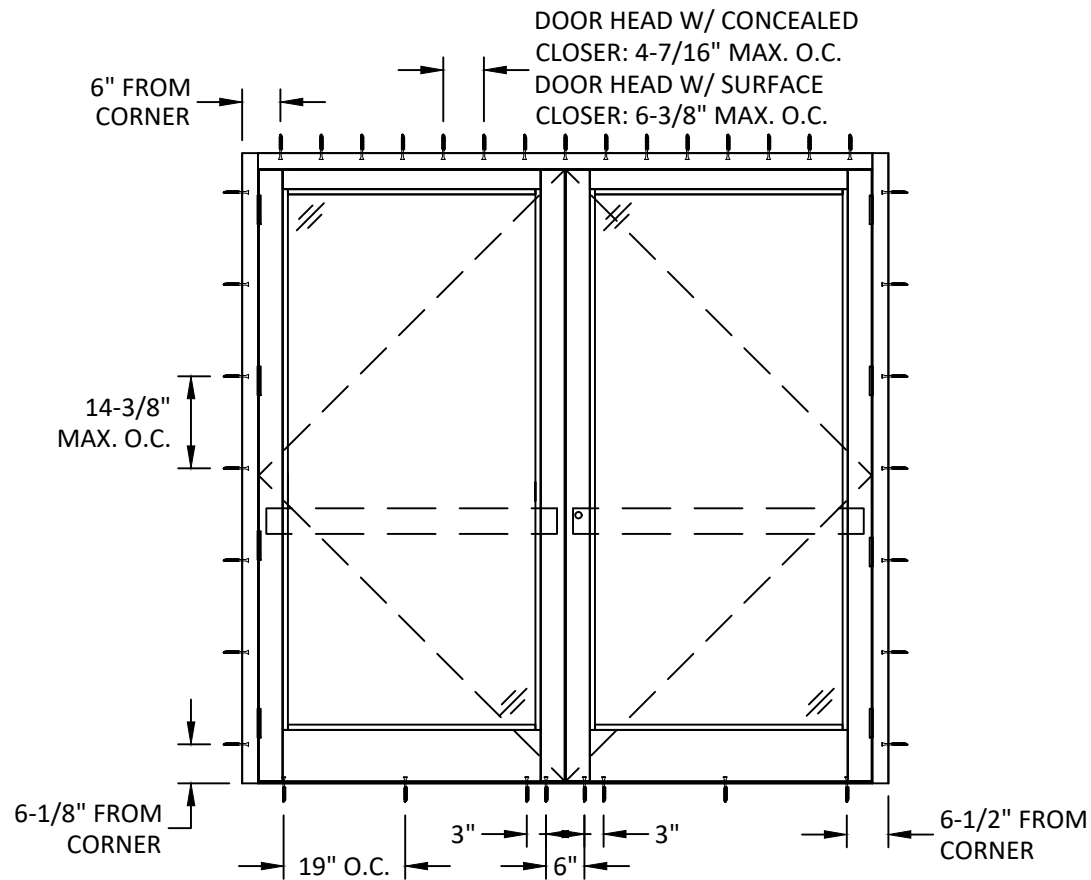
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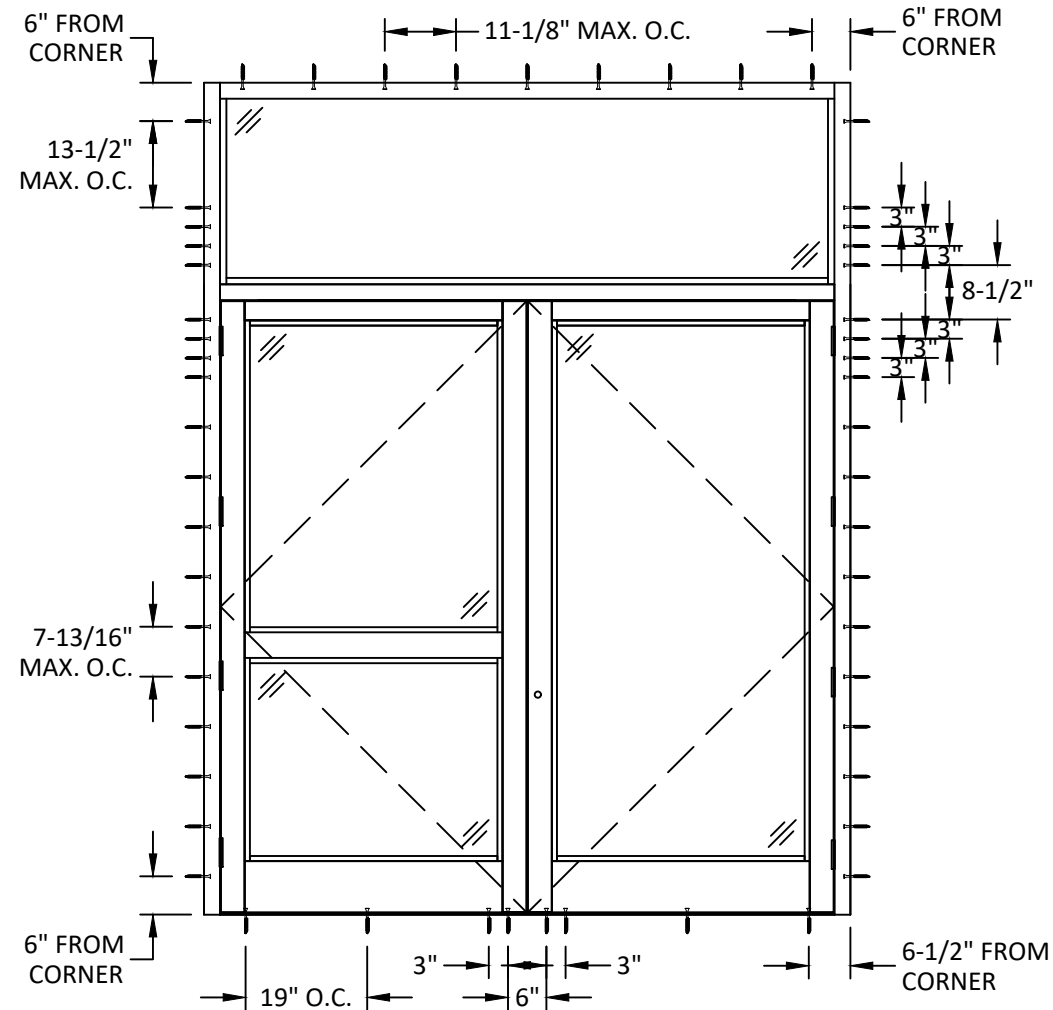
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ANCHOR LAYOUT
DP110, 1/4" ANCHOR, WOOD SUBSTRATE



ANCHOR LAYOUT
DP90, 1/4" ANCHOR, WOOD SUBSTRATE



ANCHOR LAYOUT
DP110, 1/4" ANCHOR, WOOD SUBSTRATE

SEE SHEET 20 FOR 1/4" ANCHOR SPECIFICATIONS.



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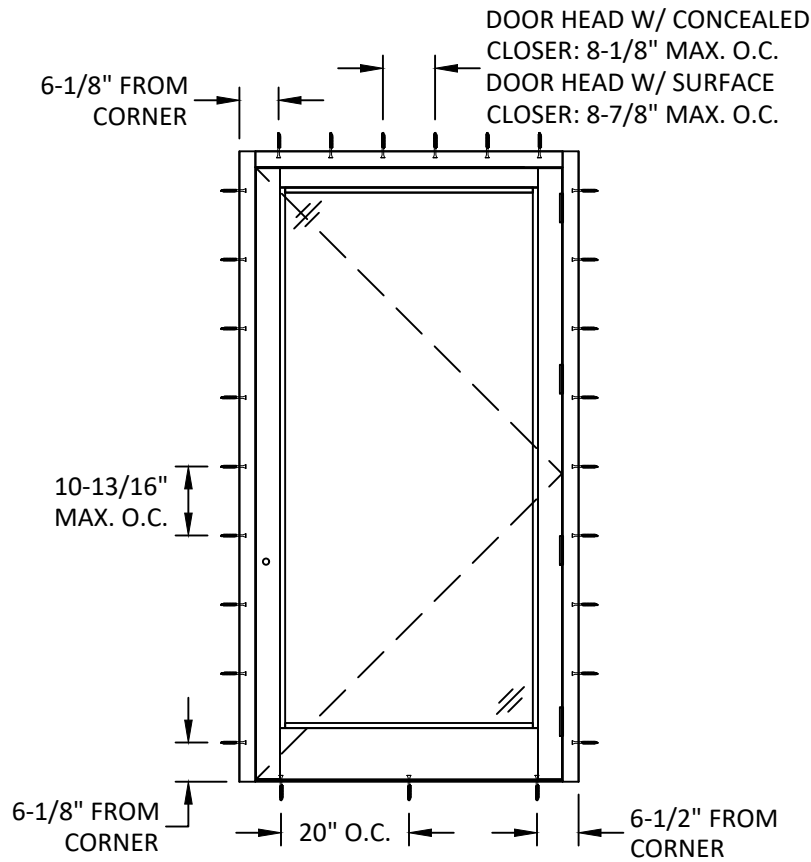
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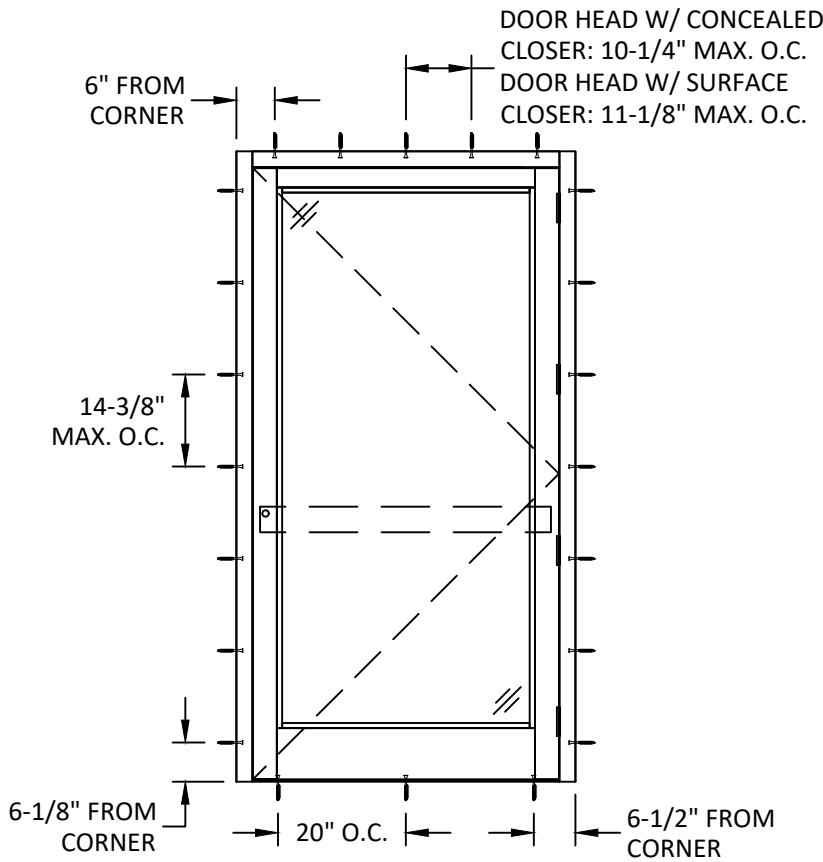
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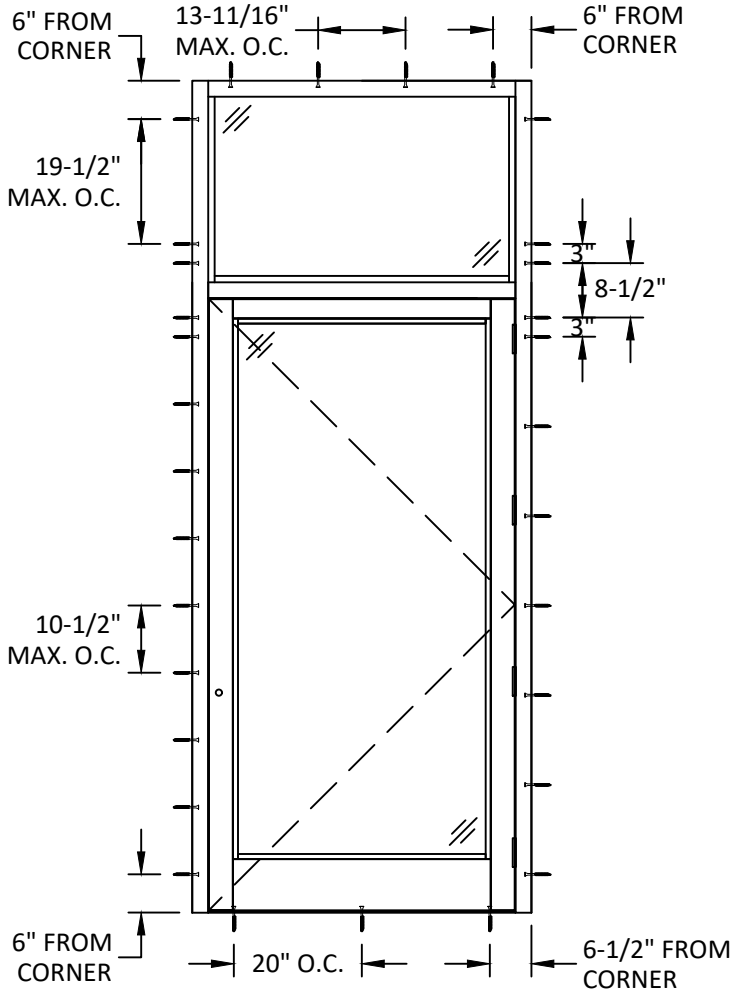


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DP110, 1/4" ANCHOR, WOOD SUBSTRATE



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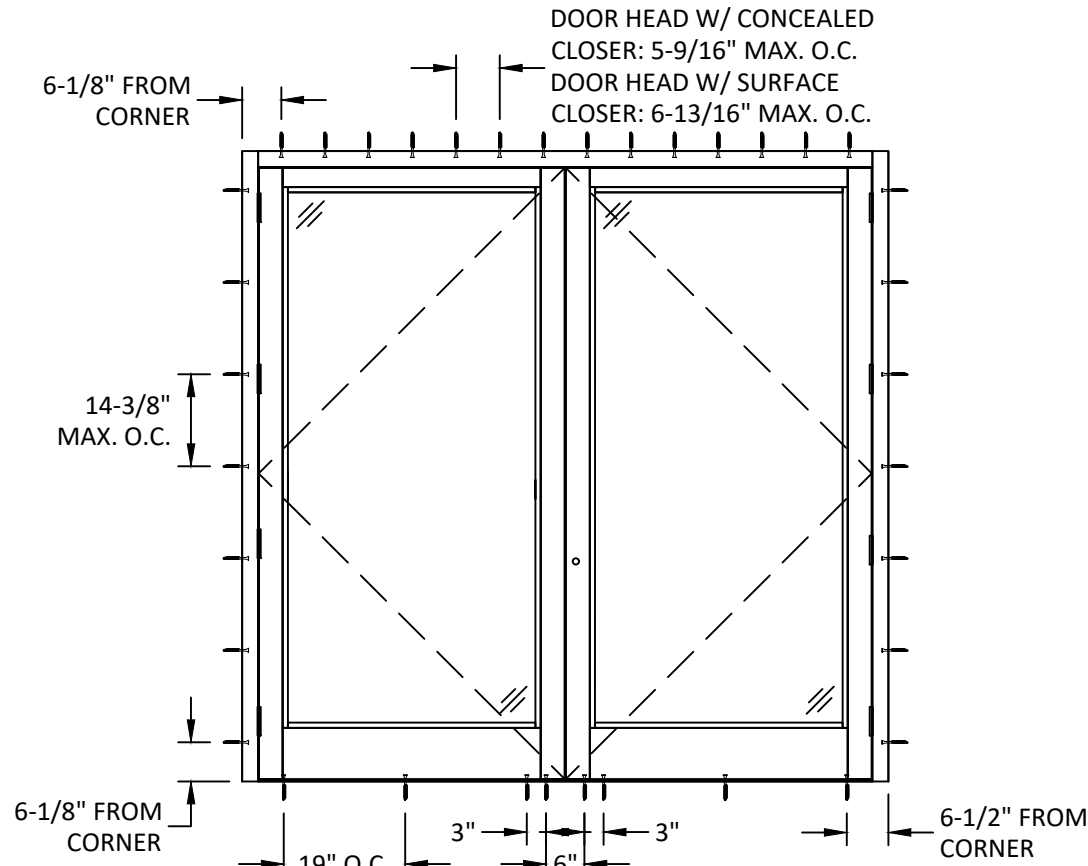
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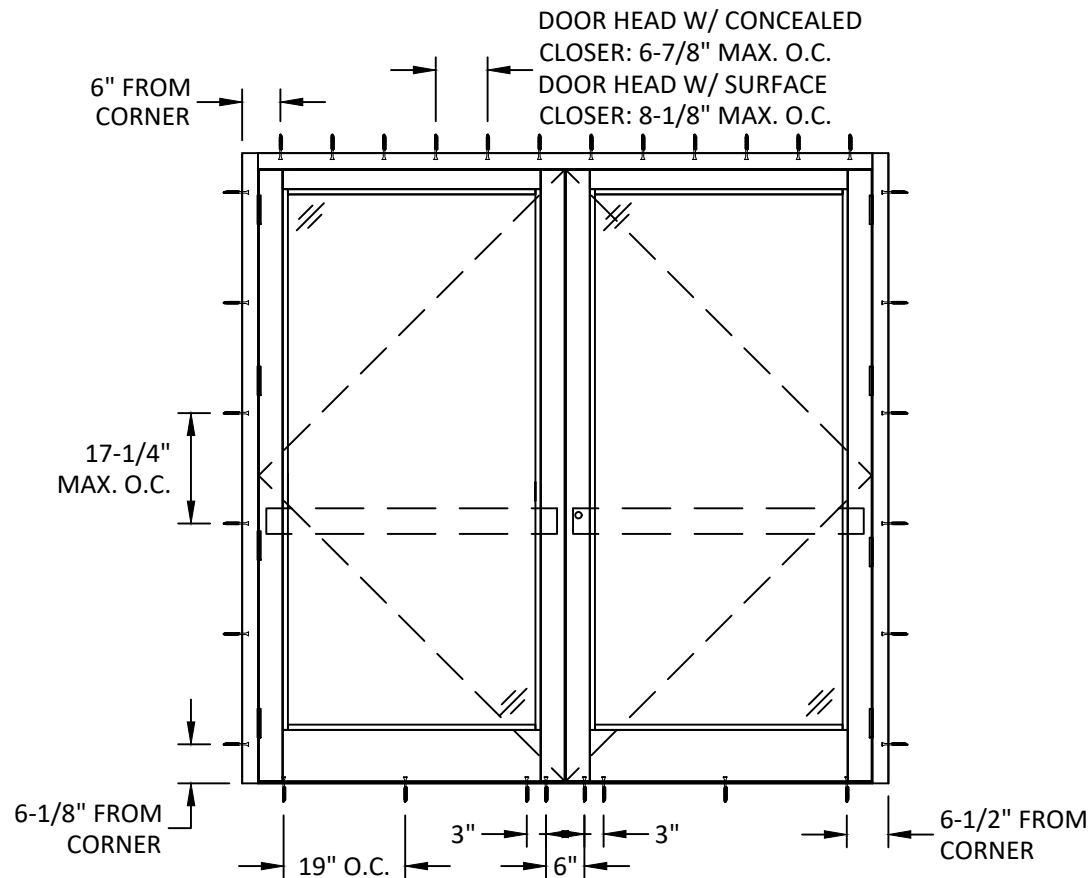
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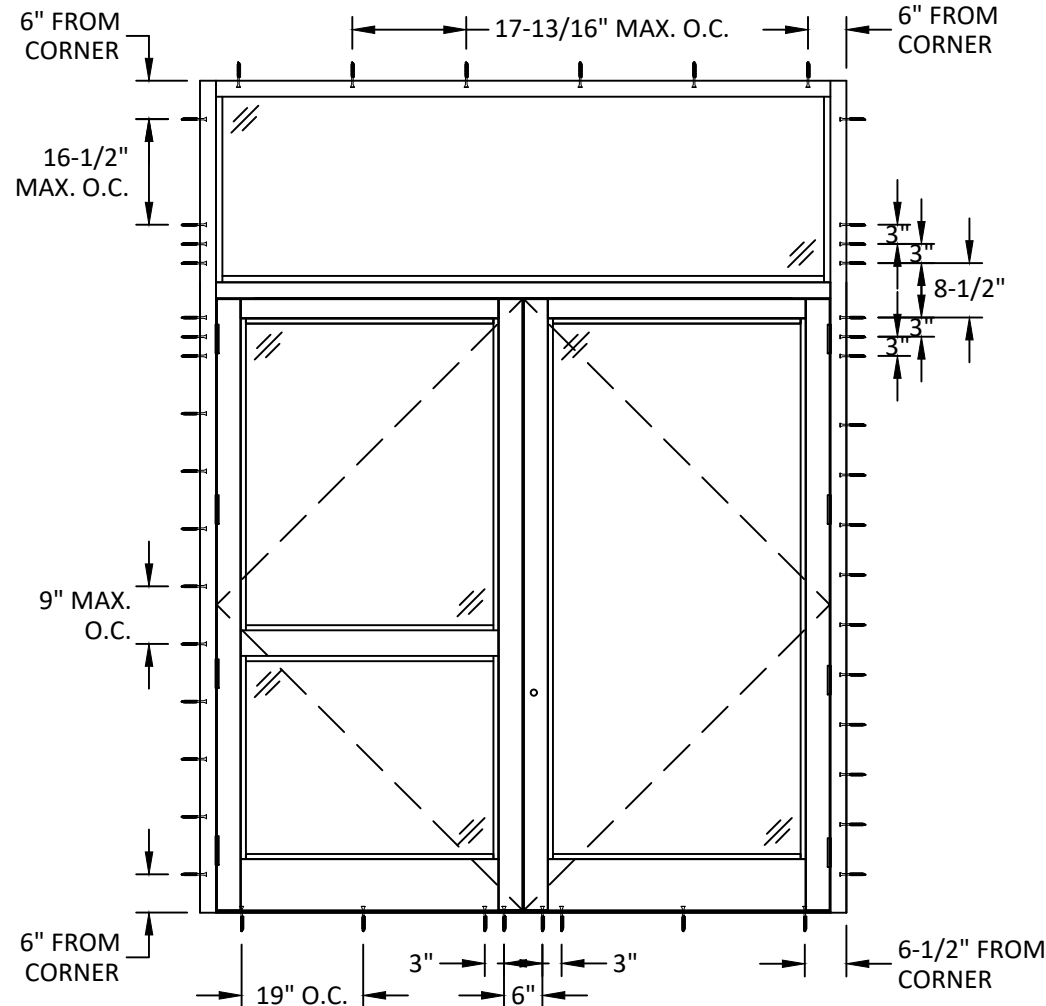
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ANCHOR LAYOUT
DP110, 5/16" ANCHOR, WOOD SUBSTRATE



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DP90, 5/16" ANCHOR, WOOD SUBSTRATE



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SEE SHEET 20 FOR 5/16" ANCHOR SPECIFICATIONS.

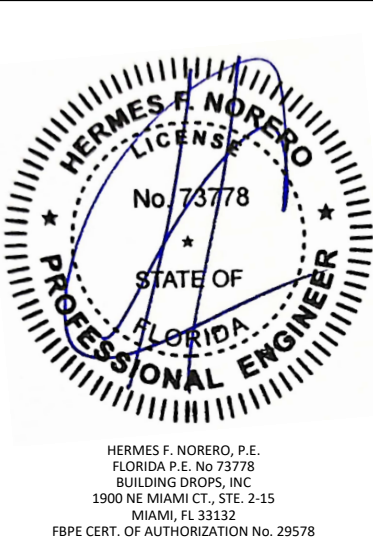


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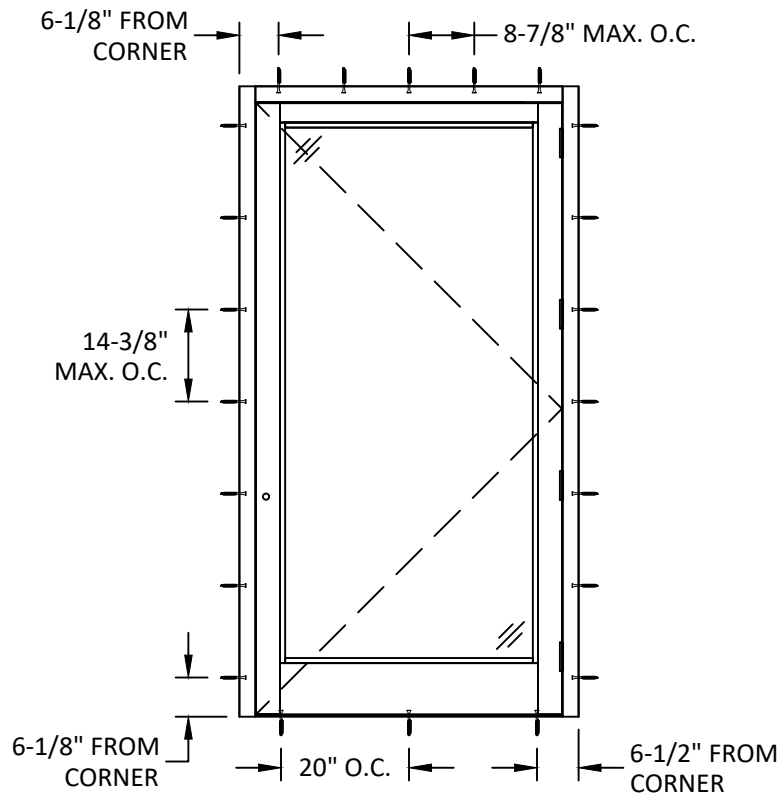
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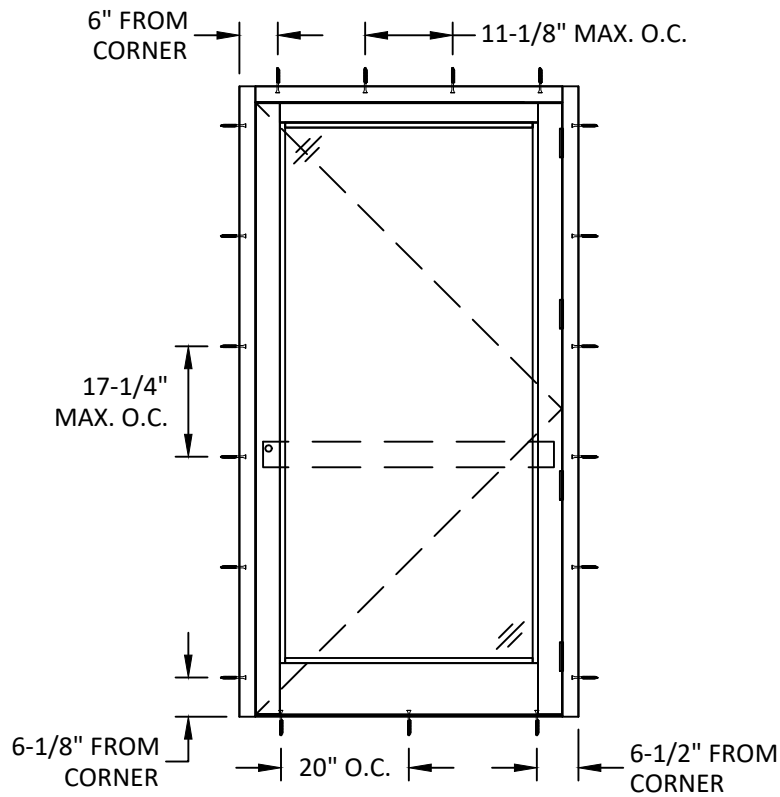


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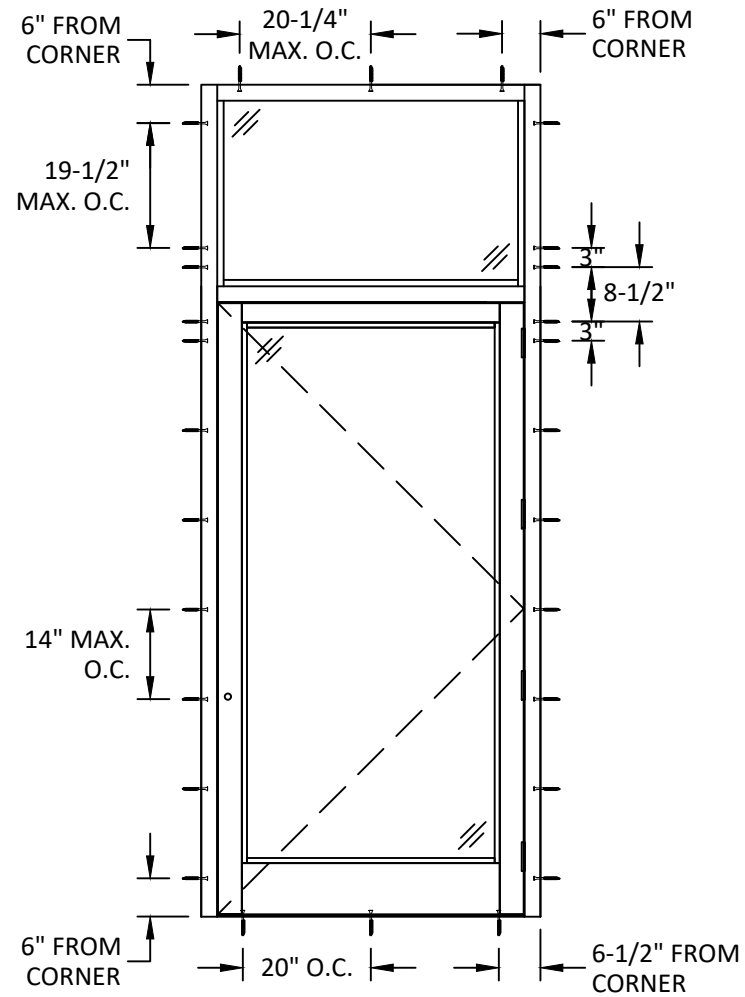


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DP110, 5/16" ANCHOR, WOOD SUBSTRATE



ANCHOR LAYOUT
DP90, 5/16" ANCHOR, WOOD SUBSTRATE

SEE SHEET 20 FOR 5/16" ANCHOR SPECIFICATIONS.



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

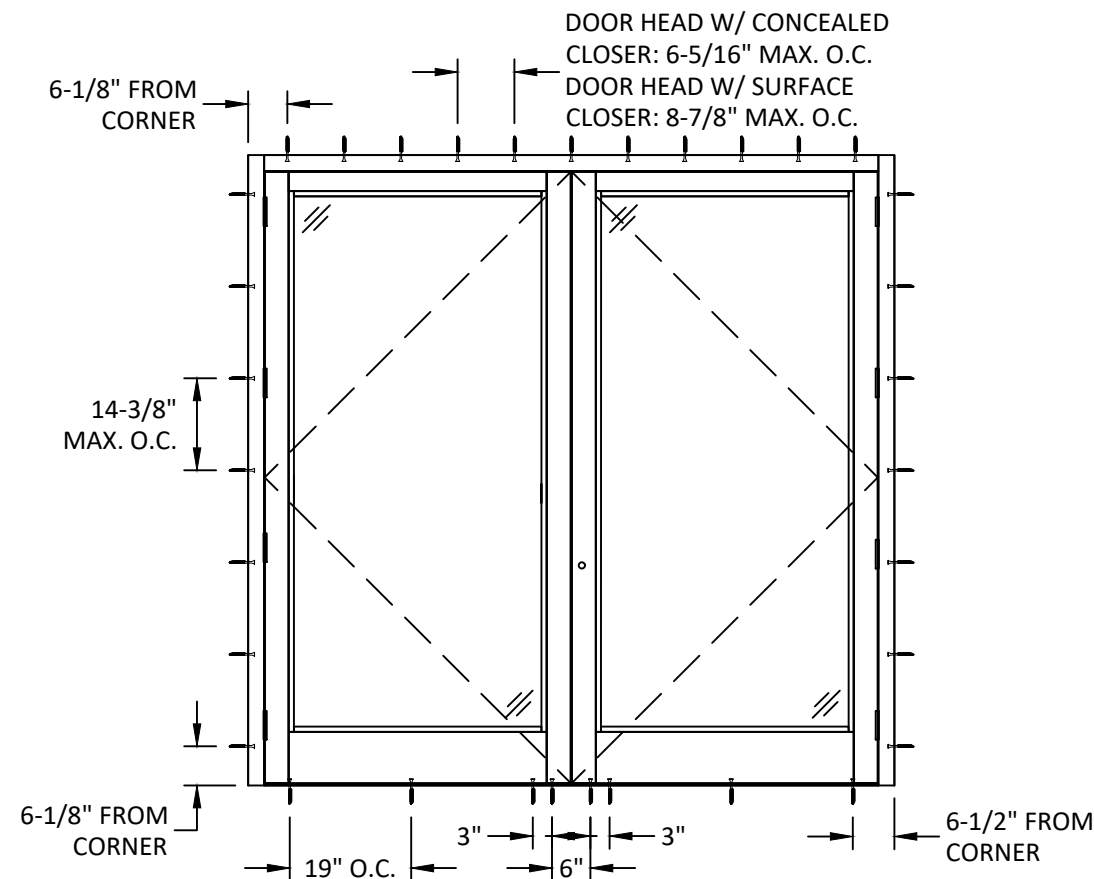
REMARKS	BY	DATE
A. MISC. REVISION	MS	6/18/2024
B. 2026 FBC UPDATE	MS	7/29/2026

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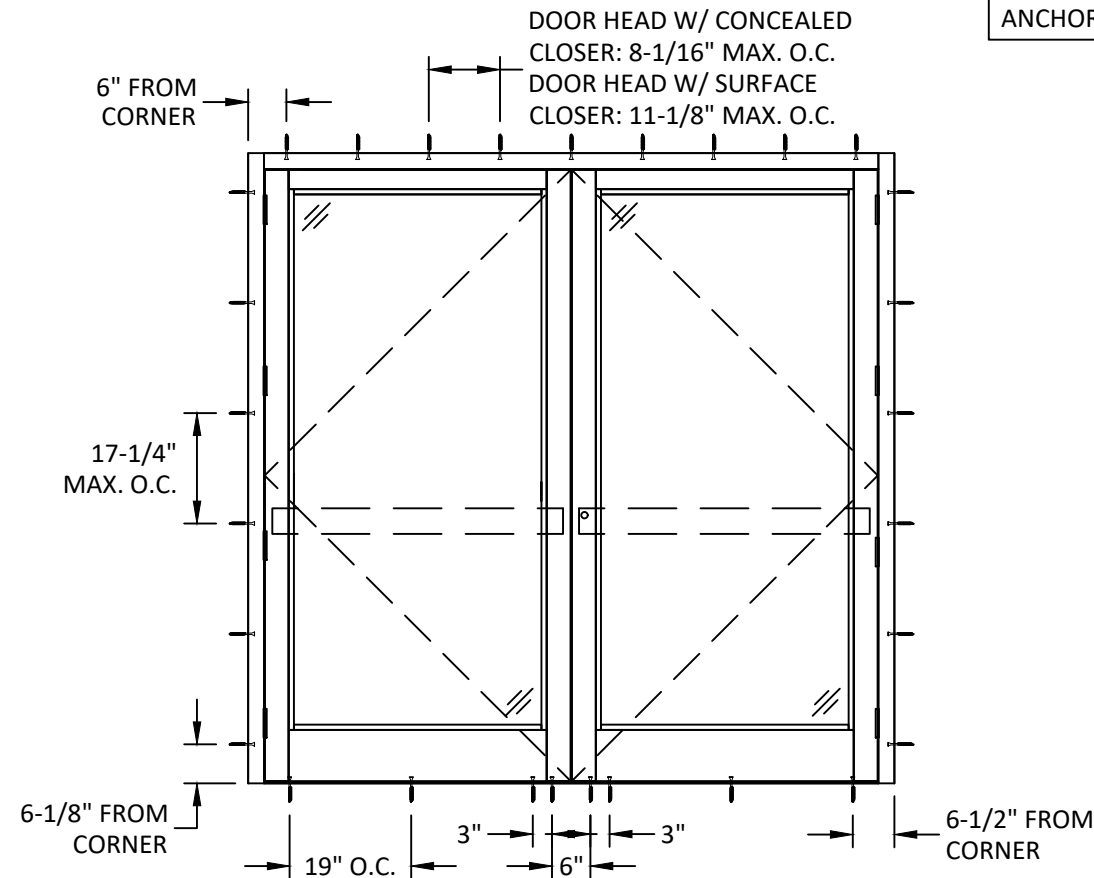
HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL46731
DATE:	04.11.2024
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SCALE:	NTS
DWG. #:	OBE012
SHEET: 8	REV. B
OF 23	

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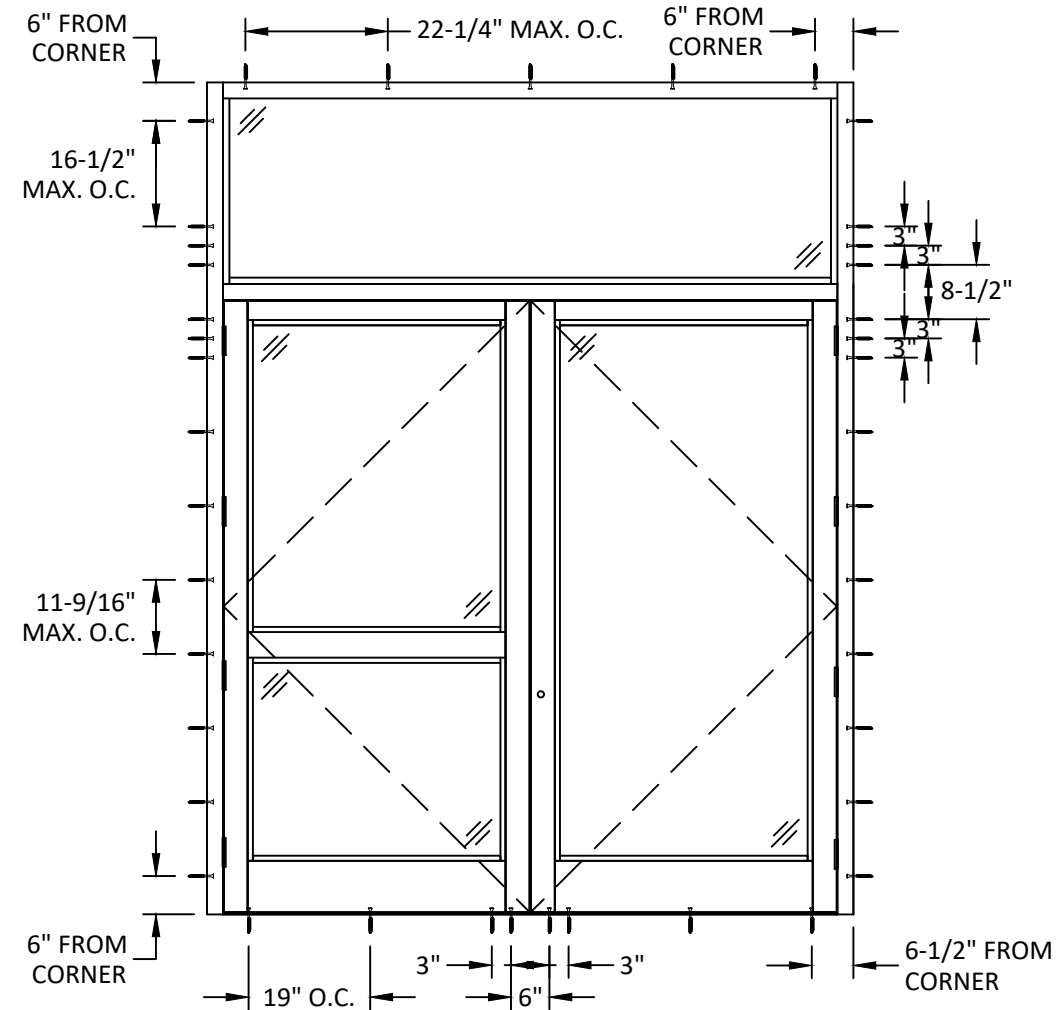


ANCHOR LAYOUT
DP110, 1/4" ANCHOR, METAL SUBSTRATE

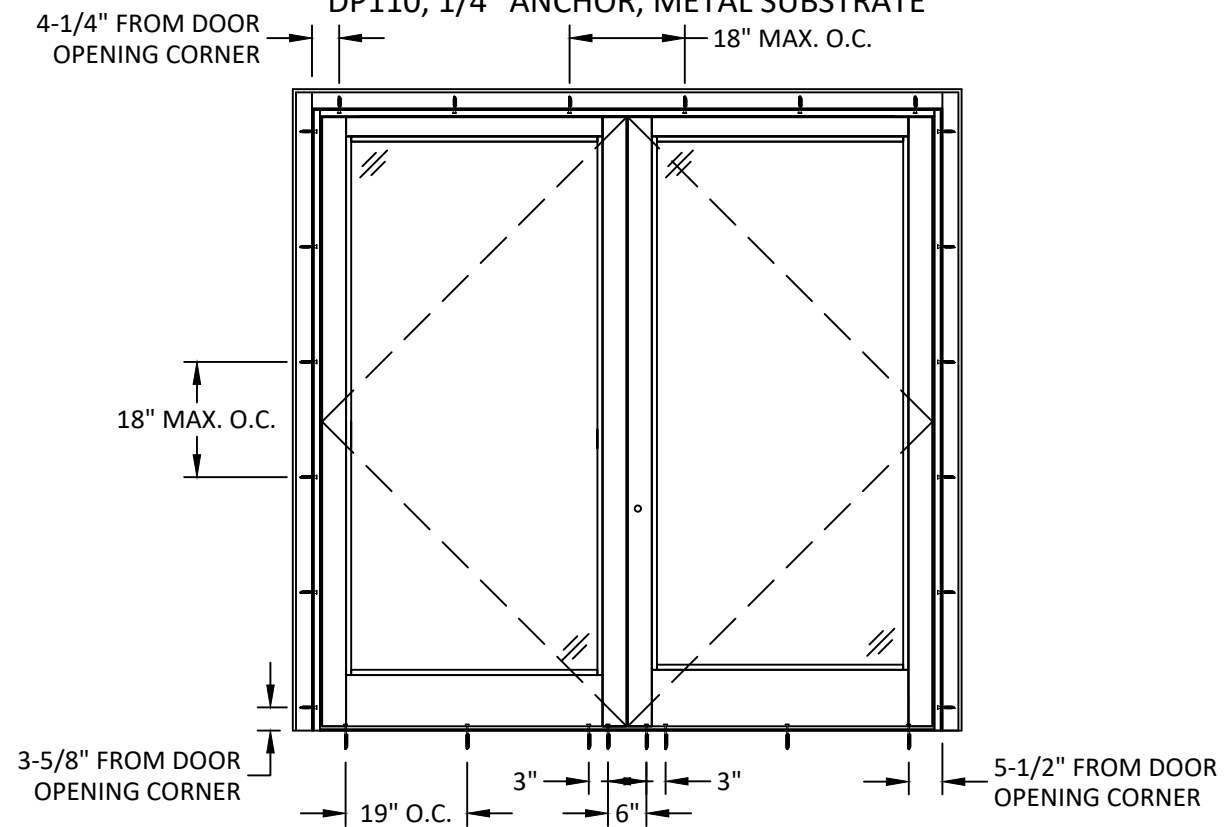


ANCHOR LAYOUT
DP90, 1/4" ANCHOR, METAL SUBSTRATE

SEE SHEET 20 FOR 1/4"
ANCHOR SPECIFICATIONS.



ANCHOR LAYOUT
DP110, 1/4" ANCHOR, METAL SUBSTRATE



ANCHOR LAYOUT
DP110, 1/4" ANCHOR, W/ CURTAIN WALL FRAME



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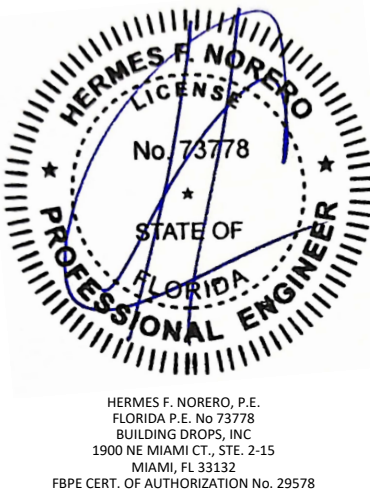
TITLE:
RUGGED STORMMAX ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

ANCHOR LAYOUTS
(METAL SUBSTRATE)

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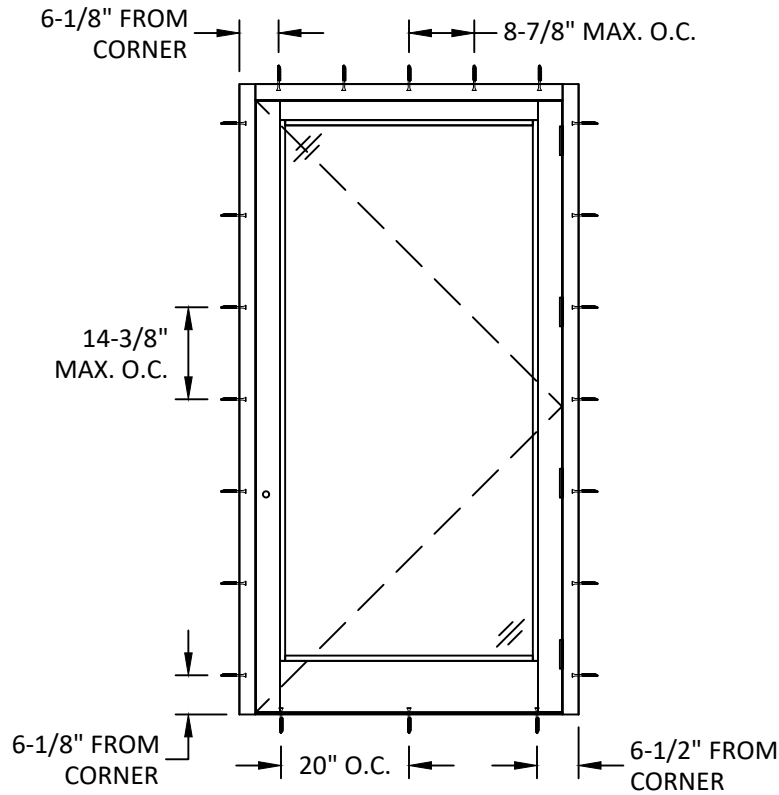
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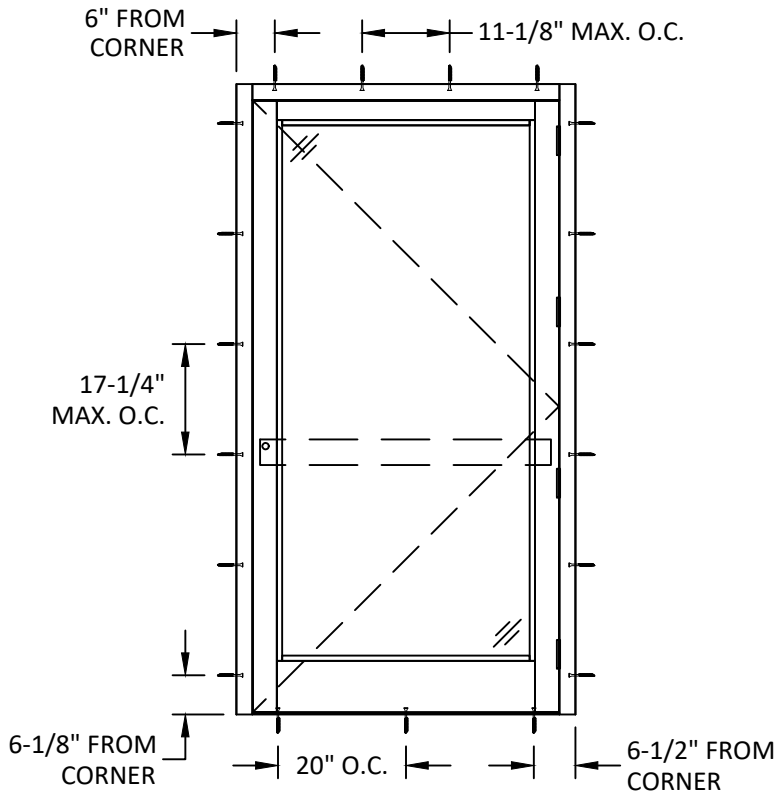
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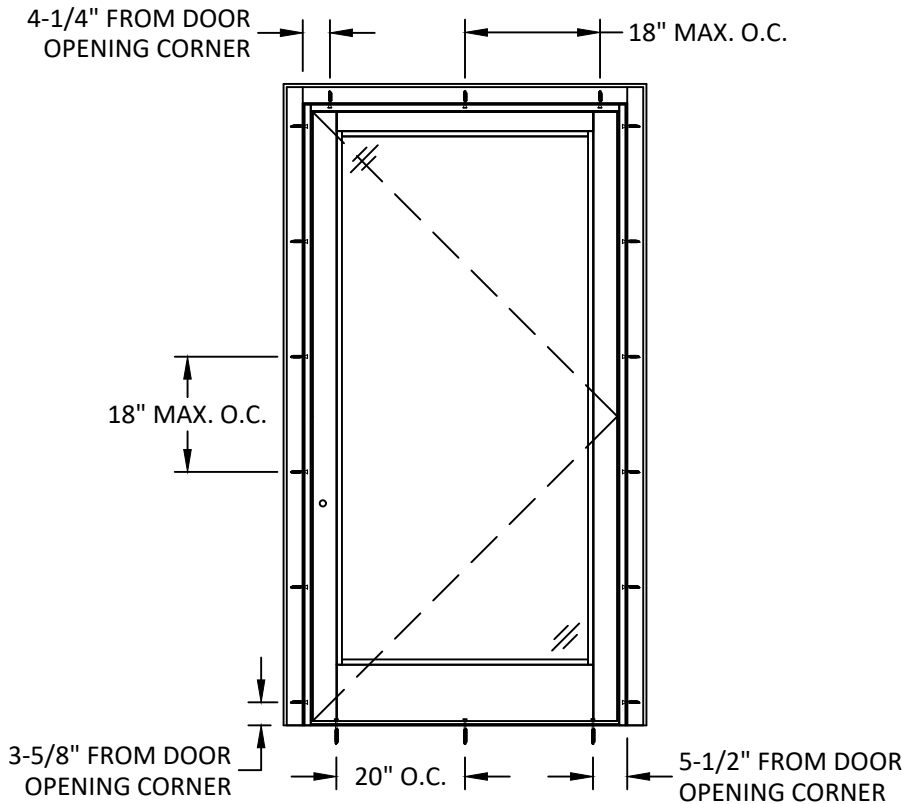
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ANCHOR LAYOUT
DP110, 1/4" ANCHOR, METAL SUBSTRATE

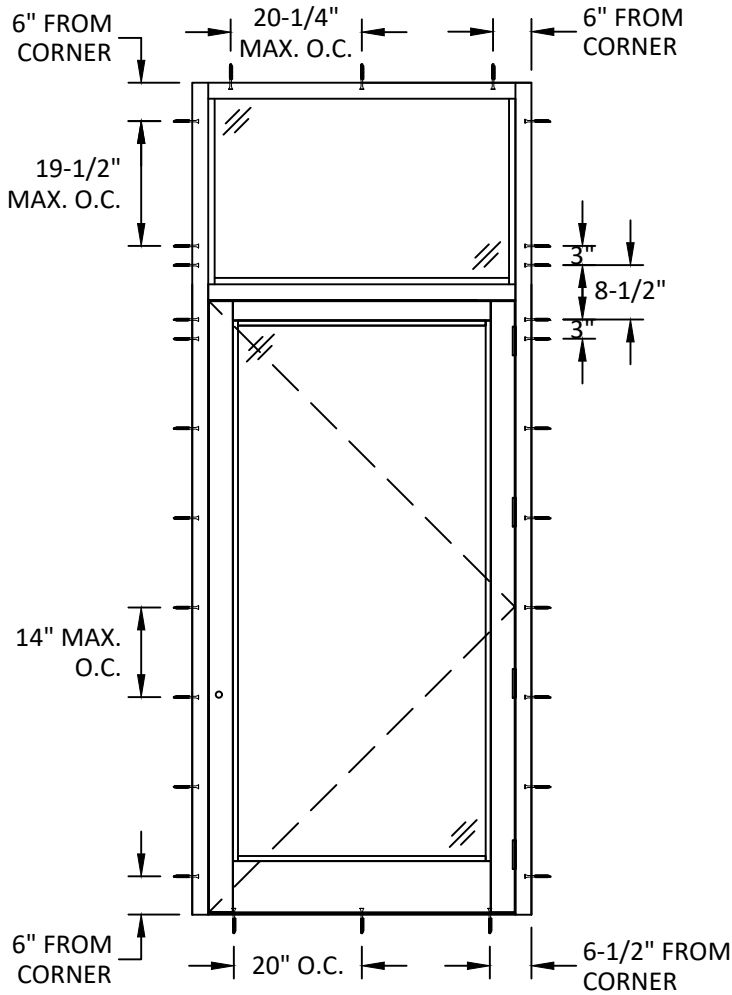


ANCHOR LAYOUT
DP90, 1/4" ANCHOR, METAL SUBSTRATE



ANCHOR LAYOUT
DP90, 1/4" ANCHOR, METAL SUBSTRATE

SEE SHEET 20 FOR 1/4"
ANCHOR SPECIFICATIONS.



ANCHOR LAYOUT
DP110, 1/4" ANCHOR, METAL SUBSTRATE



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(HVHZ) (MISSILE LEVEL E IMPACT RATED)

ANCHOR LAYOUTS
(METAL SUBSTRATE)

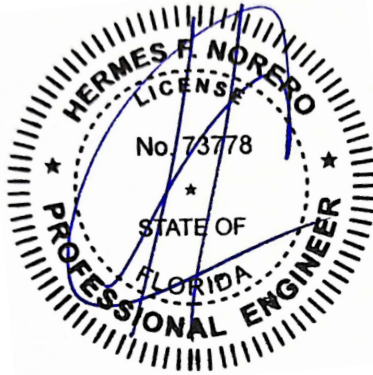
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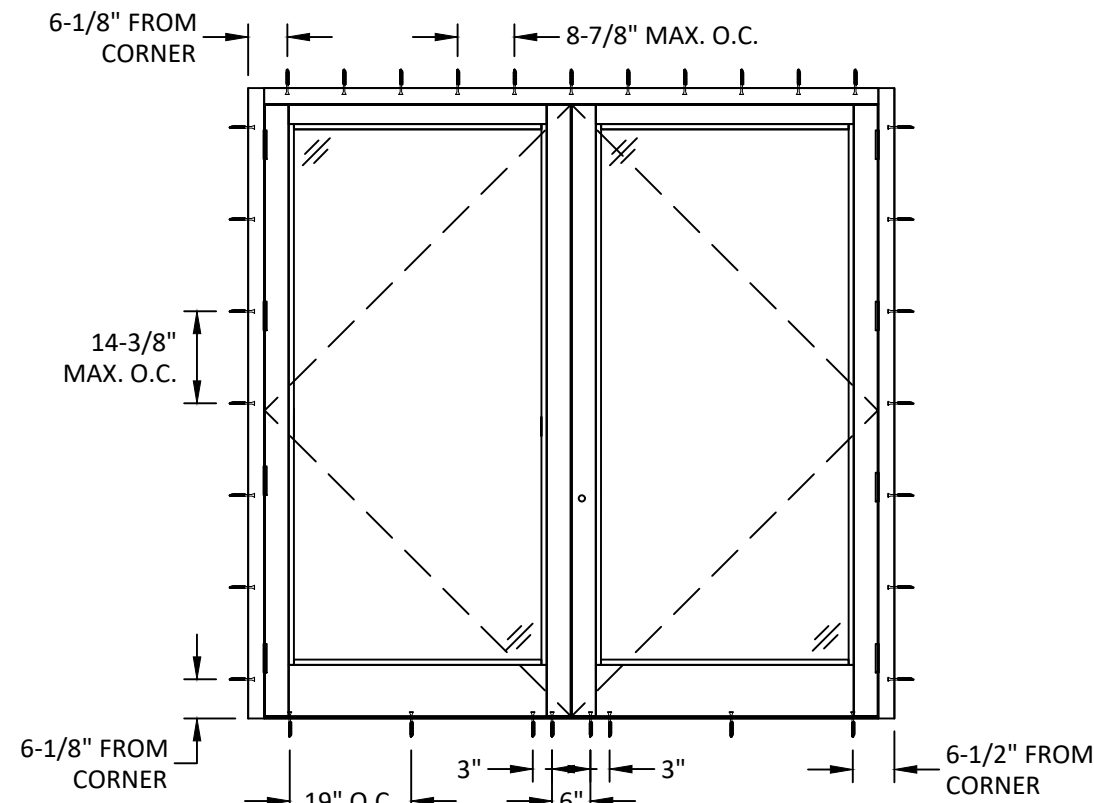
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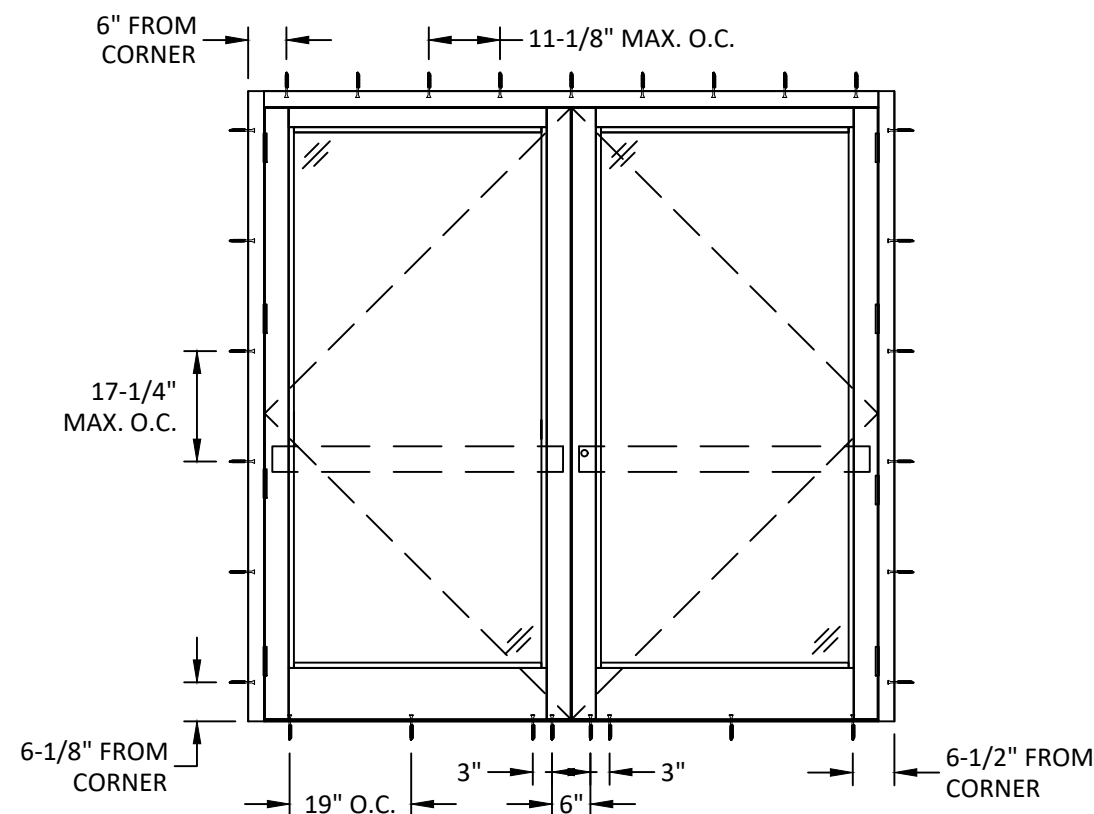
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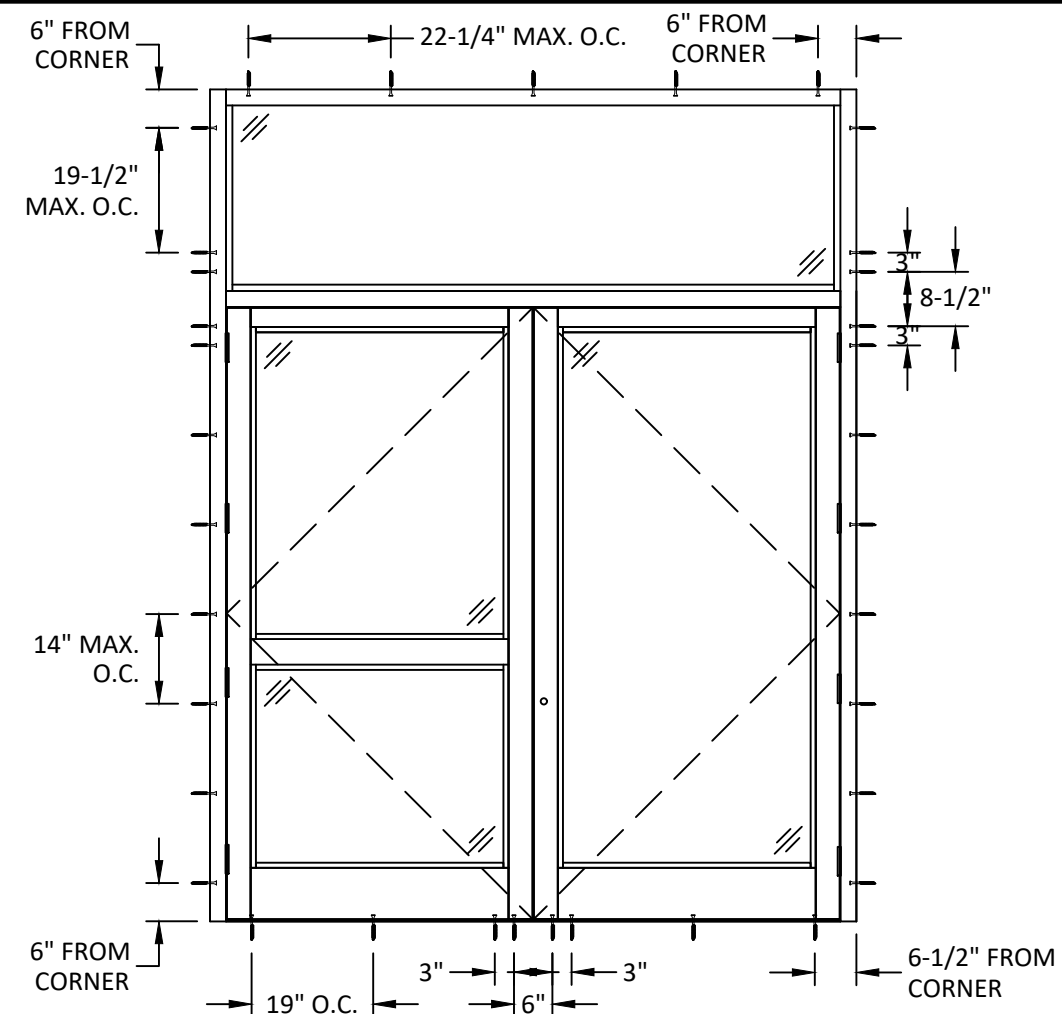


ANCHOR LAYOUT
DP110, 5/16" ANCHOR, METAL SUBSTRATE

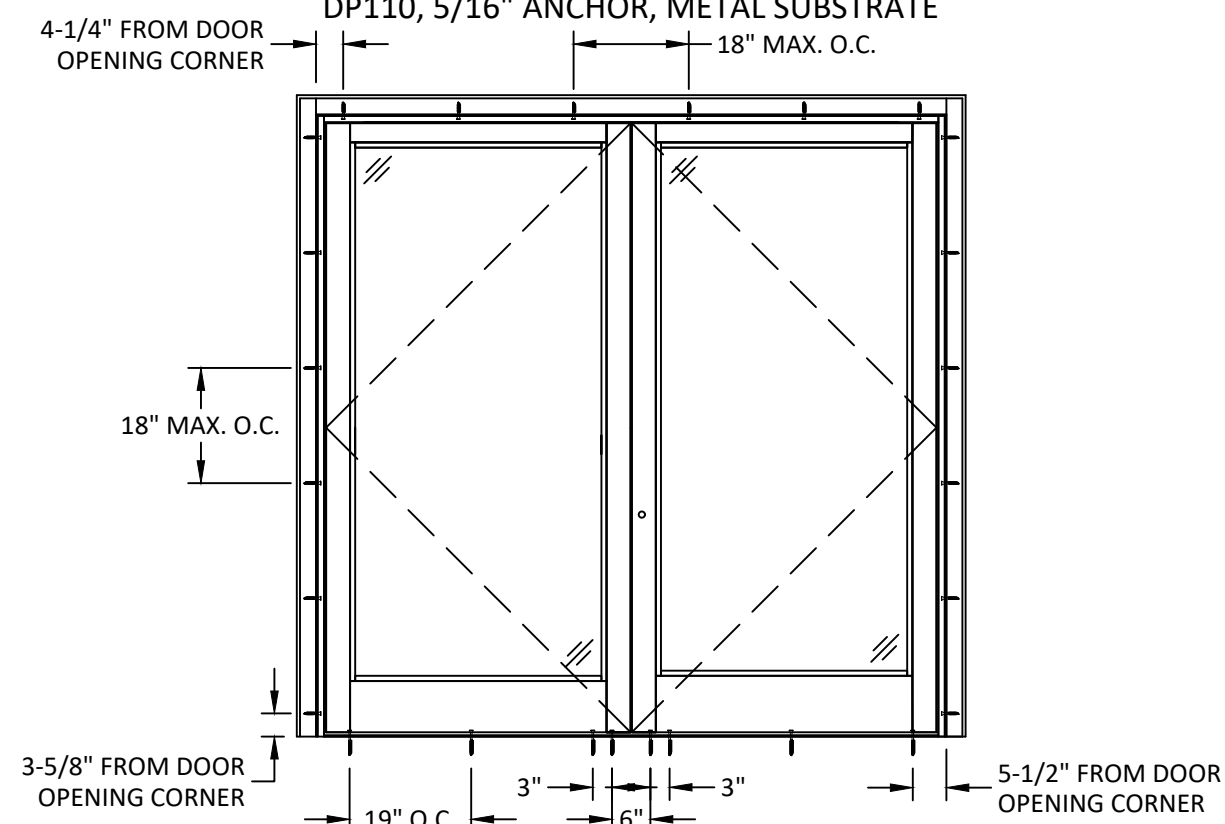
SEE SHEET 20 FOR 5/16"
ANCHOR SPECIFICATIONS.



ANCHOR LAYOUT
DP90, 5/16" ANCHOR, METAL SUBSTRATE



ANCHOR LAYOUT
DP110, 5/16" ANCHOR, METAL SUBSTRATE



ANCHOR LAYOUT
DP110, 5/16" ANCHOR, W/ CURTAIN WALL FRAME



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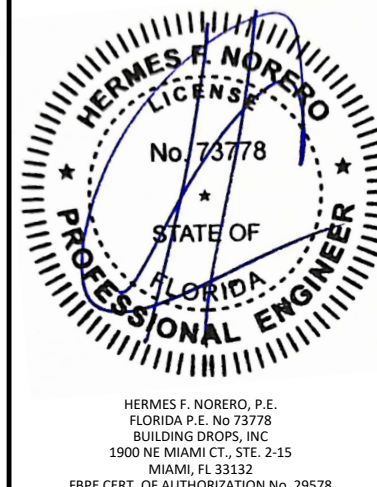
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(HVHZ) (MISSILE LEVEL E IMPACT RATED)

**ANCHOR LAYOUTS
(METAL SUBSTRATE)**

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CHK. BY: **HFN**

SCALE: **NTS**

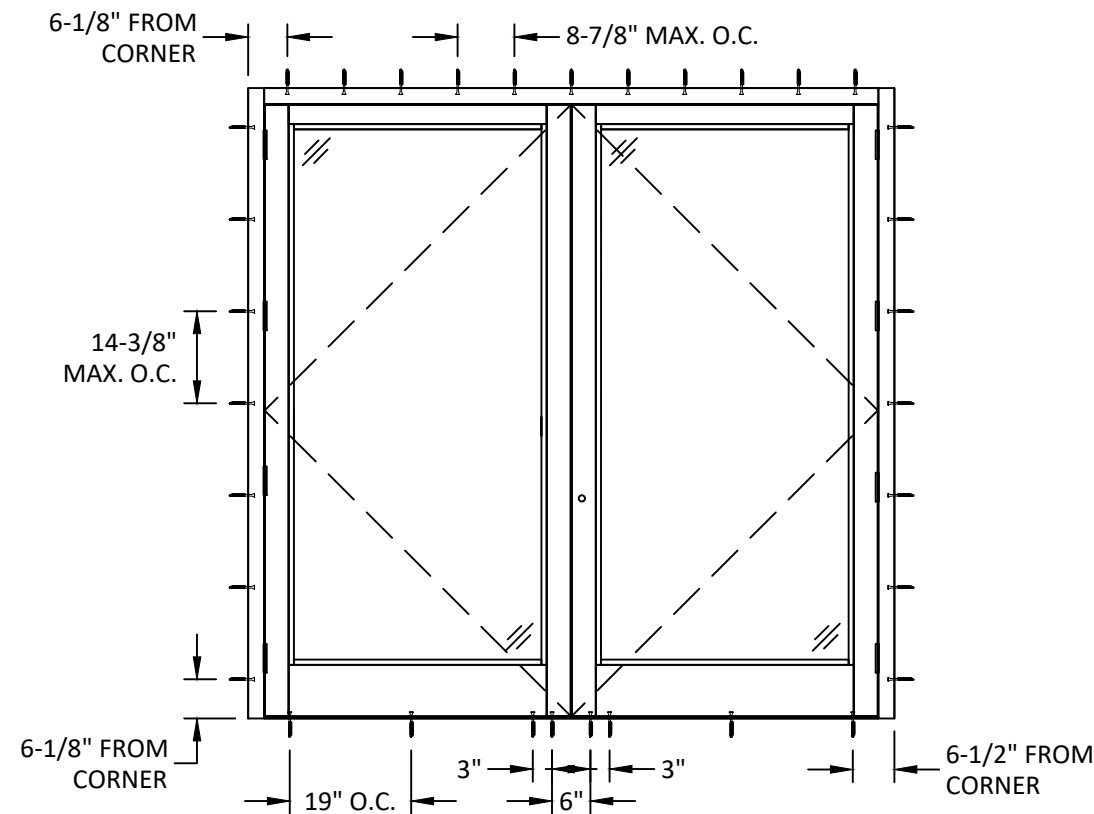
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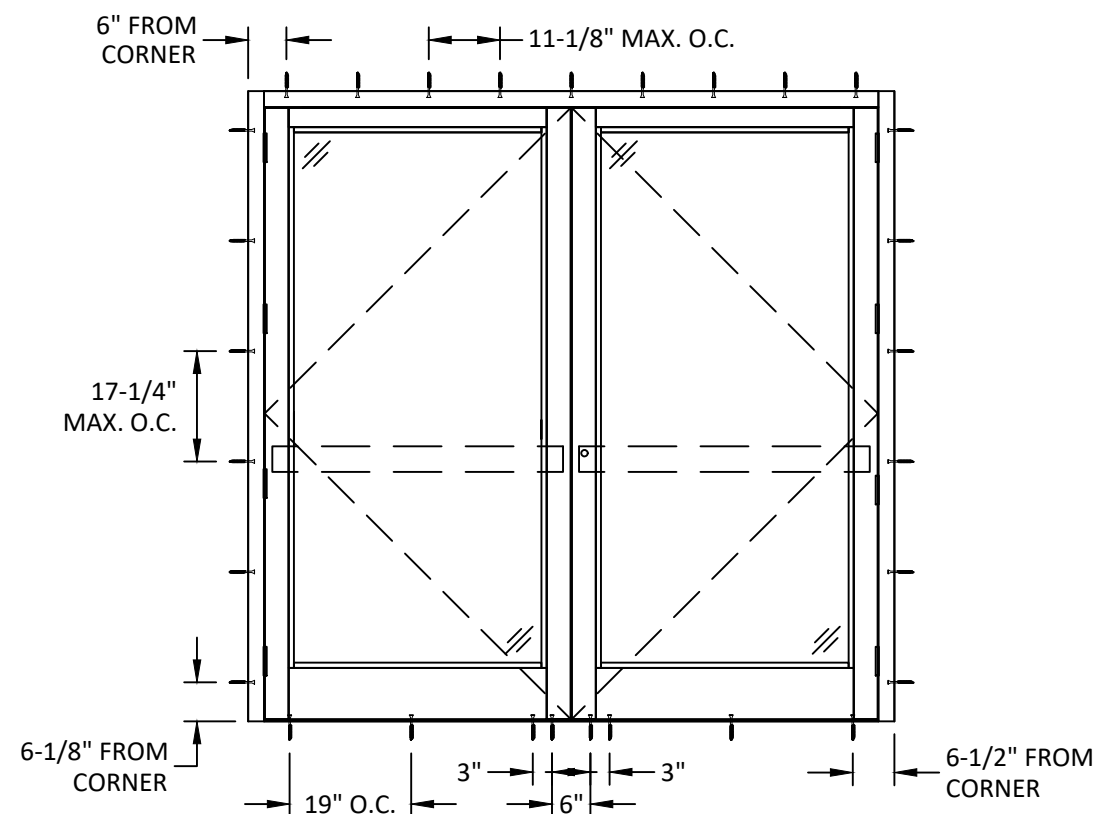
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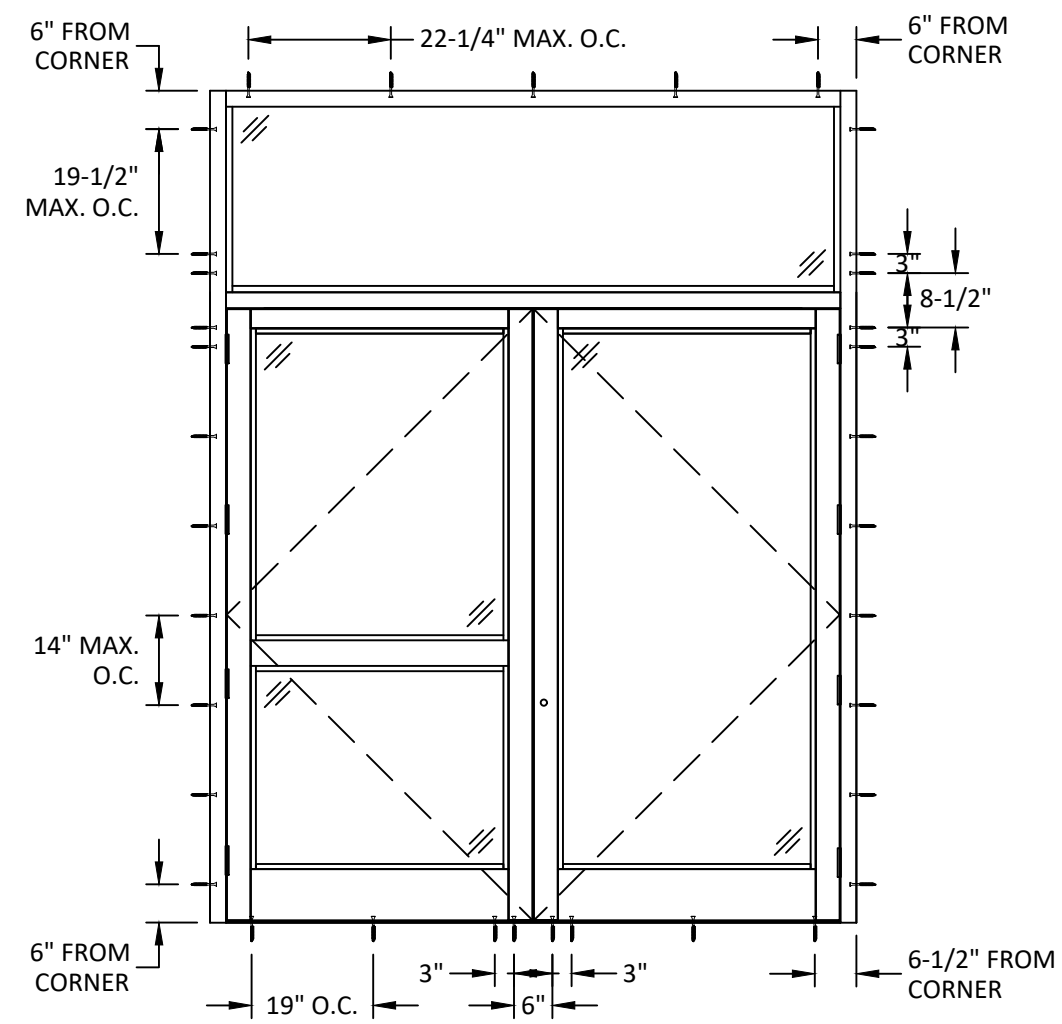
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ANCHOR LAYOUT
DP110, 1/4" ANCHOR, CONCRETE/MASONRY SUBSTRATE



ANCHOR LAYOUT
DP90, 1/4" ANCHOR, CONCRETE/MASONRY SUBSTRATE



ANCHOR LAYOUT
DP110, 1/4" ANCHOR, CONCRETE/MASONRY SUBSTRATE

SEE SHEET 20 FOR 1/4" ANCHOR SPECIFICATIONS.



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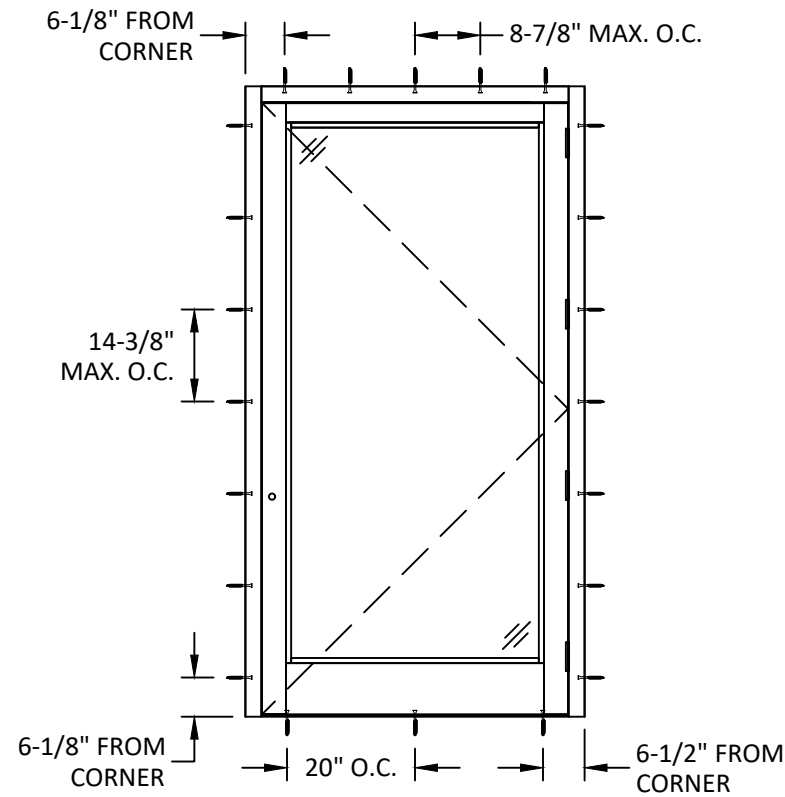
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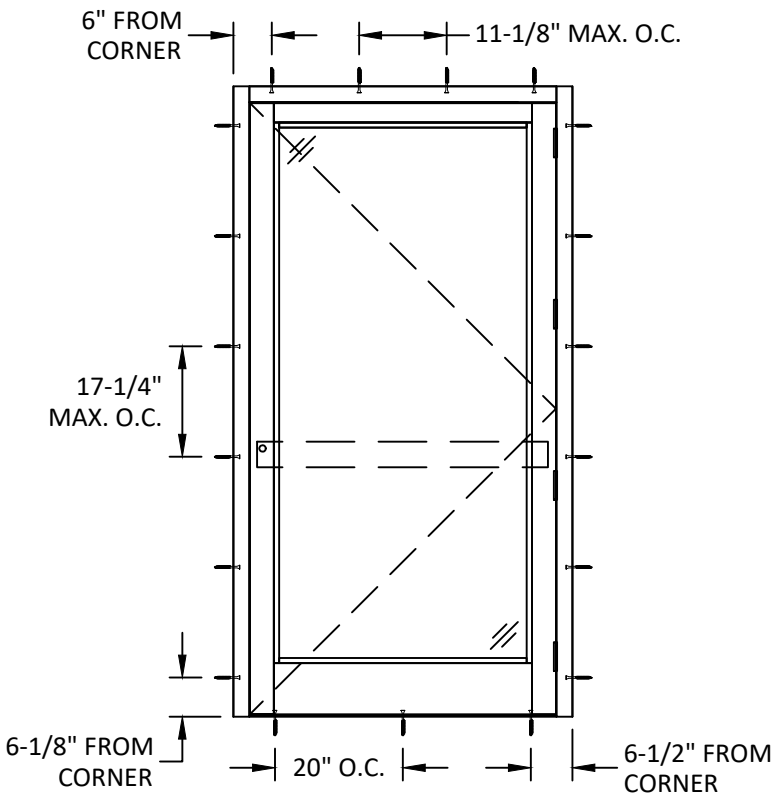
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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DWG. #:	OBE012	
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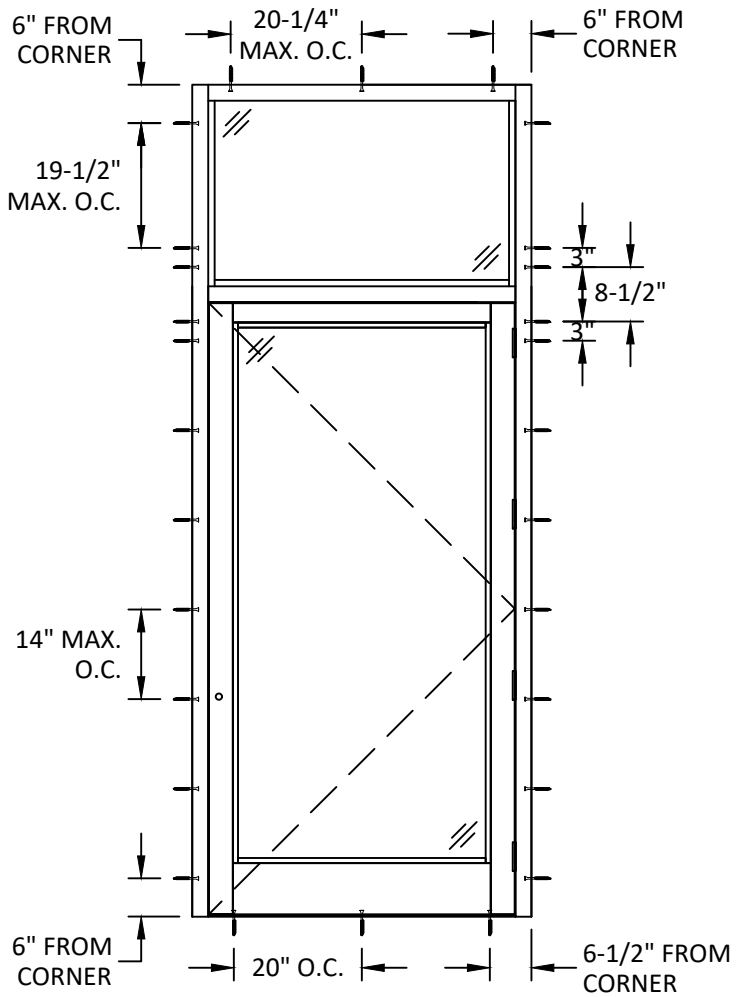


ANCHOR LAYOUT
DP110, 1/4" ANCHOR, CONCRETE/MASONRY SUBSTRATE



ANCHOR LAYOUT
DP90, 1/4" ANCHOR, CONCRETE/MASONRY SUBSTRATE

SEE SHEET 20 FOR 1/4" ANCHOR SPECIFICATIONS.



ANCHOR LAYOUT
DP110, 1/4" ANCHOR, CONCRETE/MASONRY SUBSTRATE



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ANCHOR LAYOUTS
(CONCRETE/MASONRY SUBSTRATE)

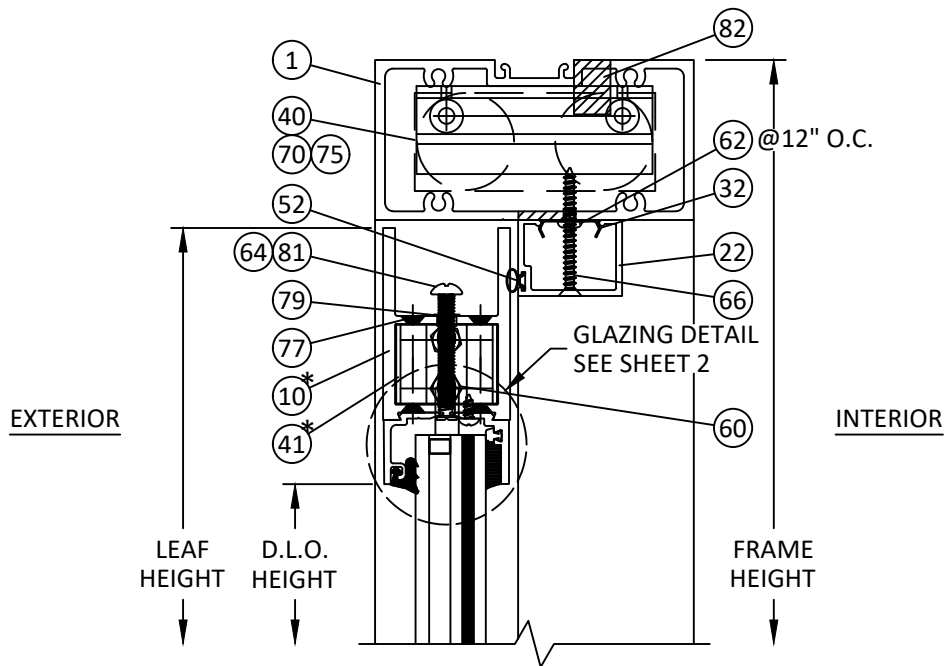
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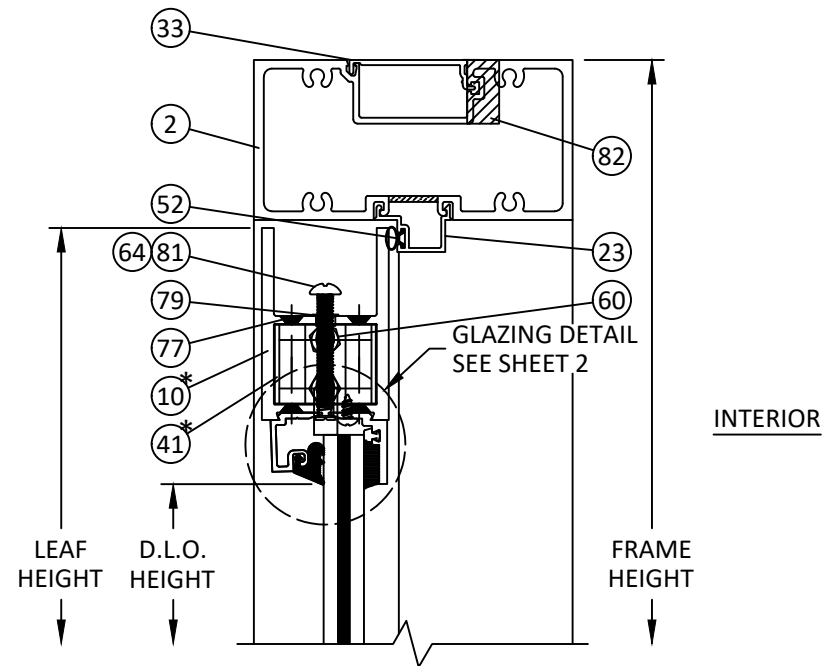
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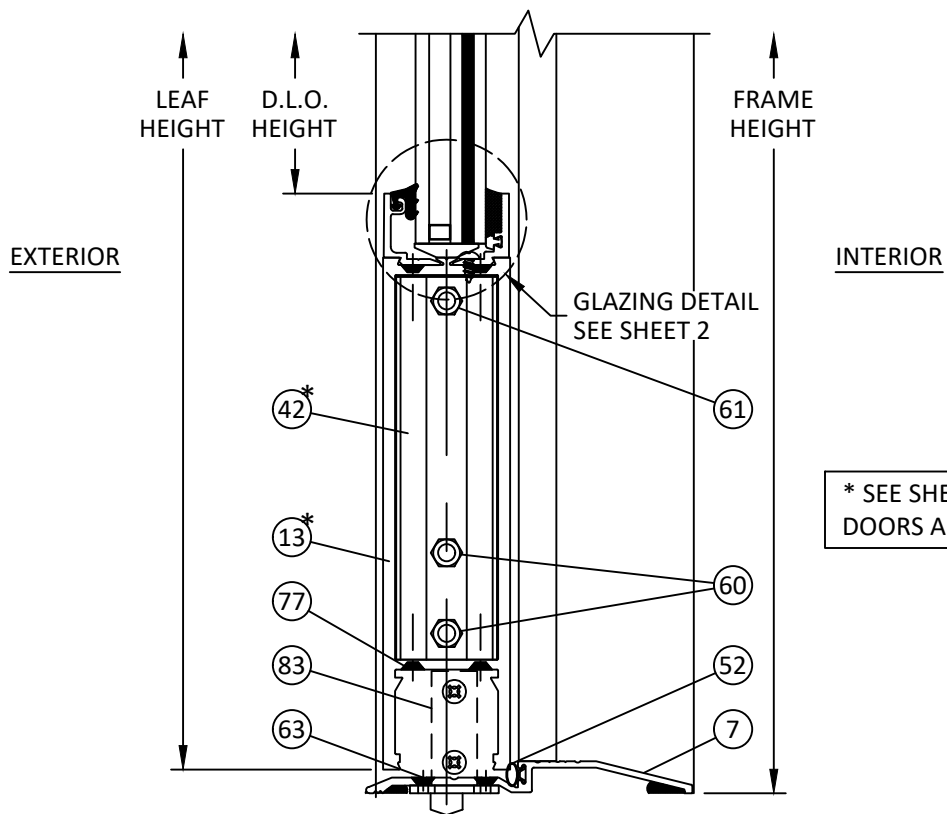
FL #:	FL46731	
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DWG. #:	OBE012	
SHEET:	13	REV. B



A
14 VERTICAL SECTION
DOOR HEAD
CONCEALED CLOSER

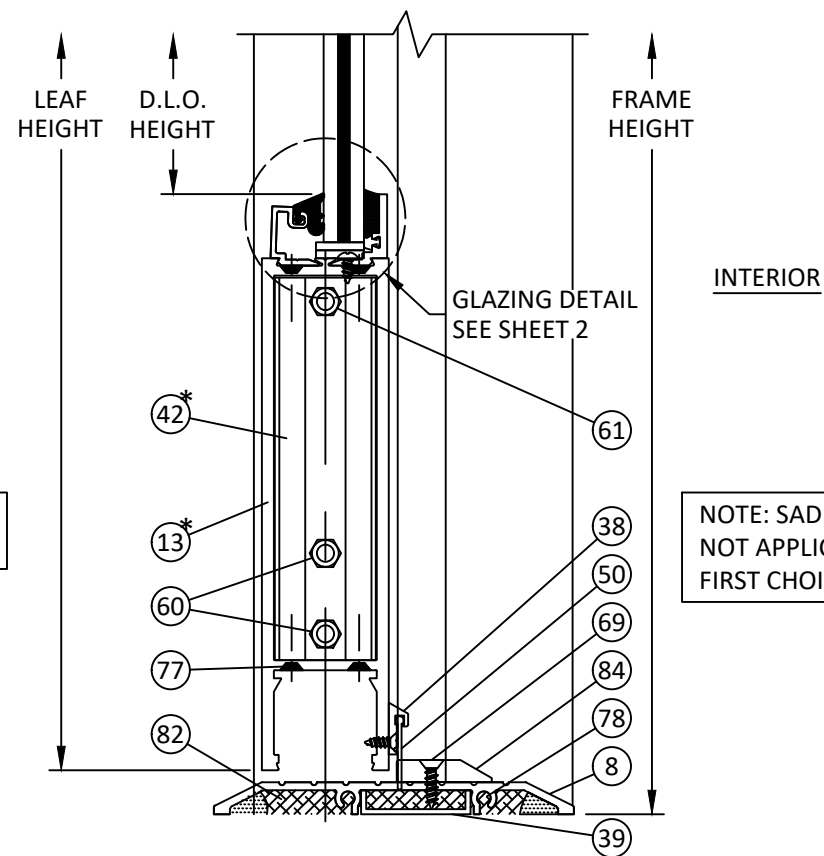


C
14 VERTICAL SECTION
DOOR HEAD
SURFACE CLOSER



B
14 VERTICAL SECTION
DOOR SILL
BUMPER THERSHOLD

* SEE SHEET 16 FOR ALTERNATE PROFILES,
DOORS ARE WELDED AT THE CORNER BLOCKS.



D
14 VERTICAL SECTION
DOOR SILL
SADDLE THRESHOLD

NOTE: SADDLE THRESHOLD IS
NOT APPLICABLE FOR USE WITH
FIRST CHOICE CVR EXIT DEVICE.



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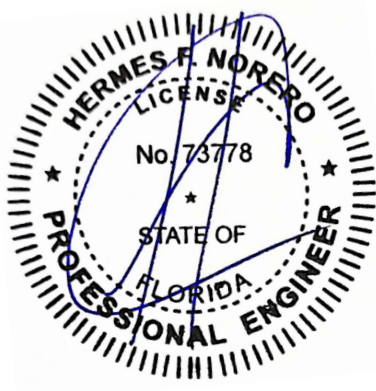
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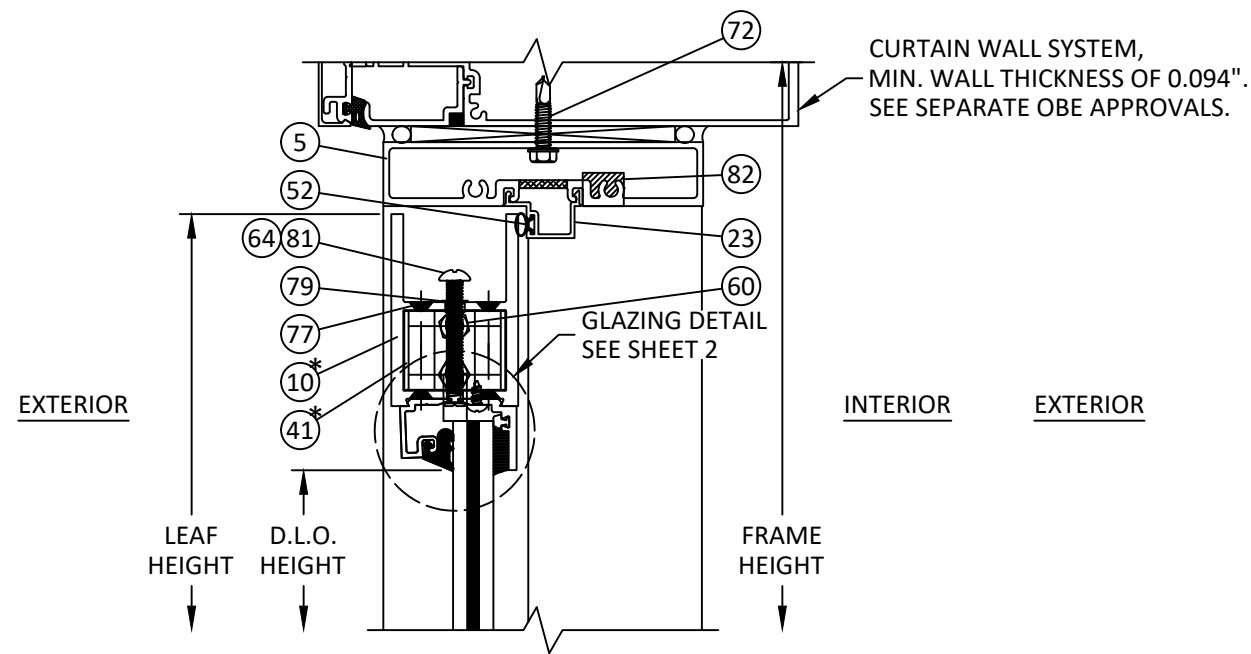
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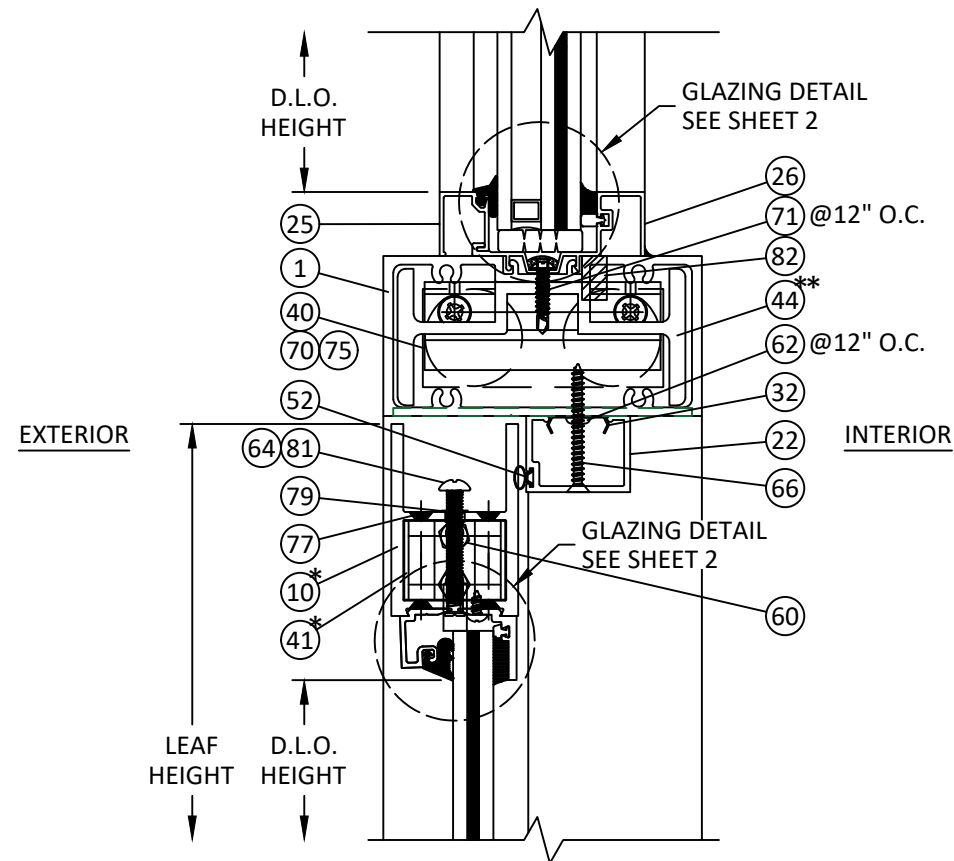
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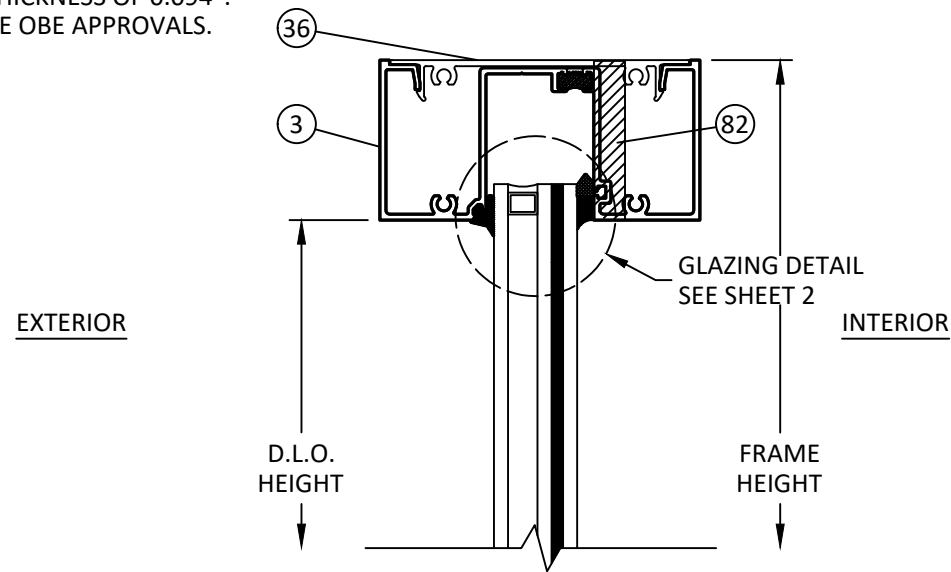
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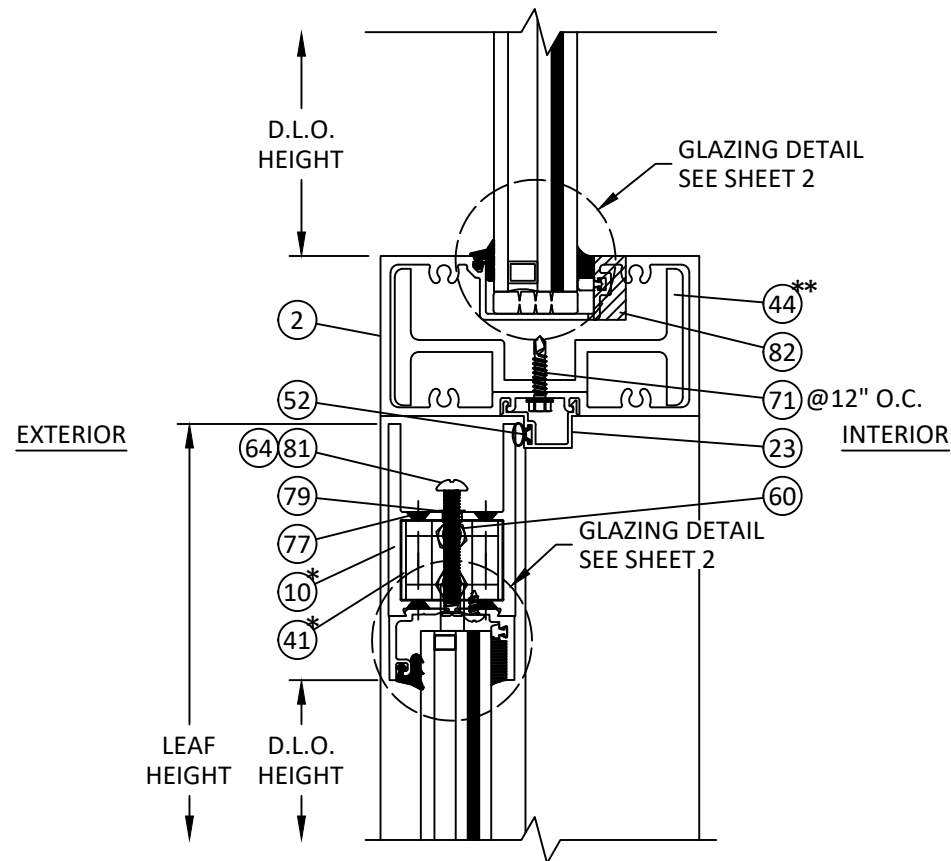
E
15 VERTICAL SECTION
DOOR HEAD
CURTAIN WALL SUBFRAME



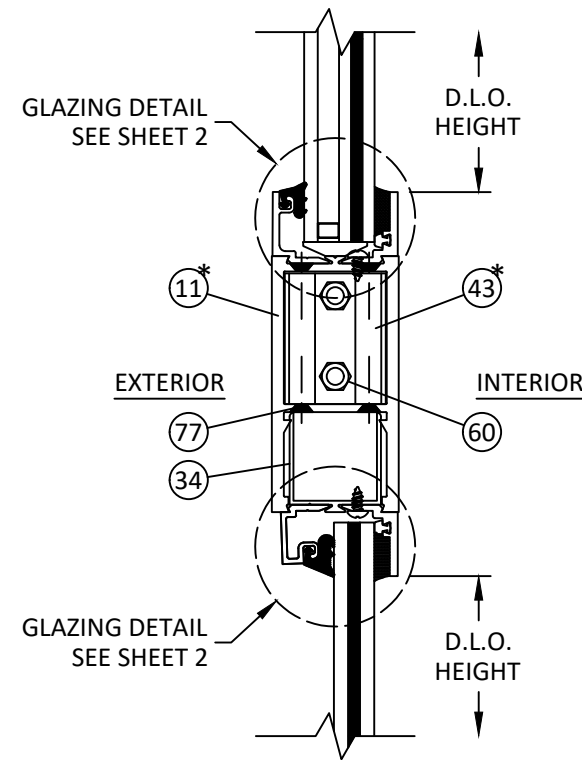
F
15 VERTICAL SECTION
DOOR HEAD W/ TRANSOM
CONCEALED CLOSER



G
15 VERTICAL SECTION
TRANSOM HEAD



H
15 VERTICAL SECTION
DOOR HEAD W/ TRANSOM
SURFACE CLOSER



I
15 VERTICAL SECTION
MID-RAIL

* SEE SHEET 16 FOR ALTERNATE PROFILES, DOORS ARE WELDED AT THE CORNER BLOCKS.
** FOR SECTIONS F/15 & H/15, THE REINFORCEMENT #44 IS NOT REQUIRED FOR SINGLE DOORS. AN ALTERNATE DESIGN PRESSURE MAY BE USED FOR DOUBLE DOORS WHEN USE WITHOUT REINFORCEMENT #44. SEE TABLE BELOW FOR ALTERNATE DESIGN PRESSURES.

ALTERNATE DESIGN PRESSURE TABLE		
SECTION	REINFORCEMENT	DESIGN PRESSURE
F/15	WITHOUT REINFORCEMENT	+/- 100 PSF
H/15		+110/-90 PSF



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TITLE:
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(HVHZ) (MISSILE LEVEL E IMPACT RATED)

VERTICAL SECTIONS

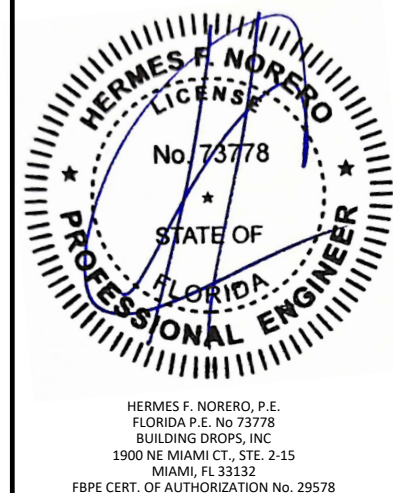
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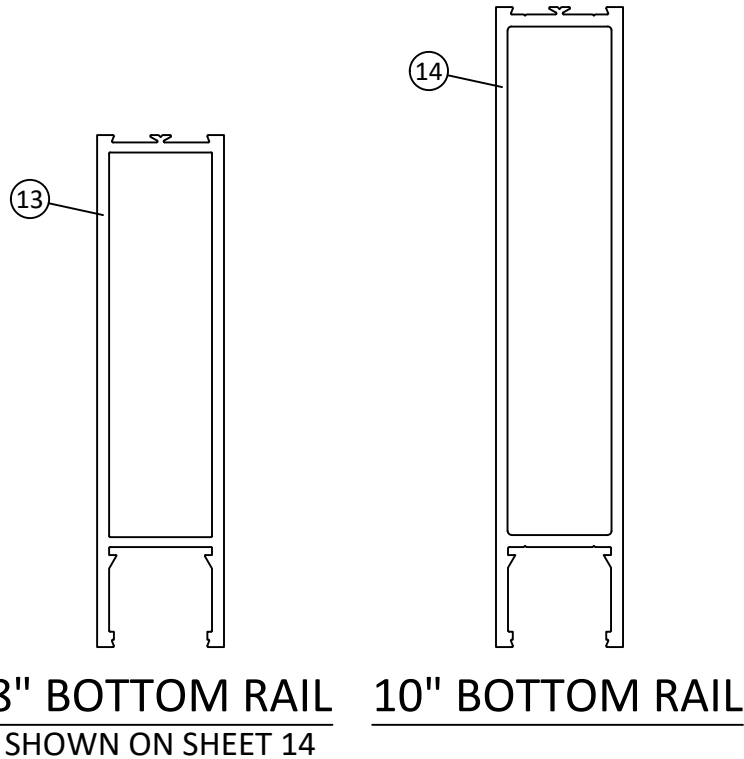
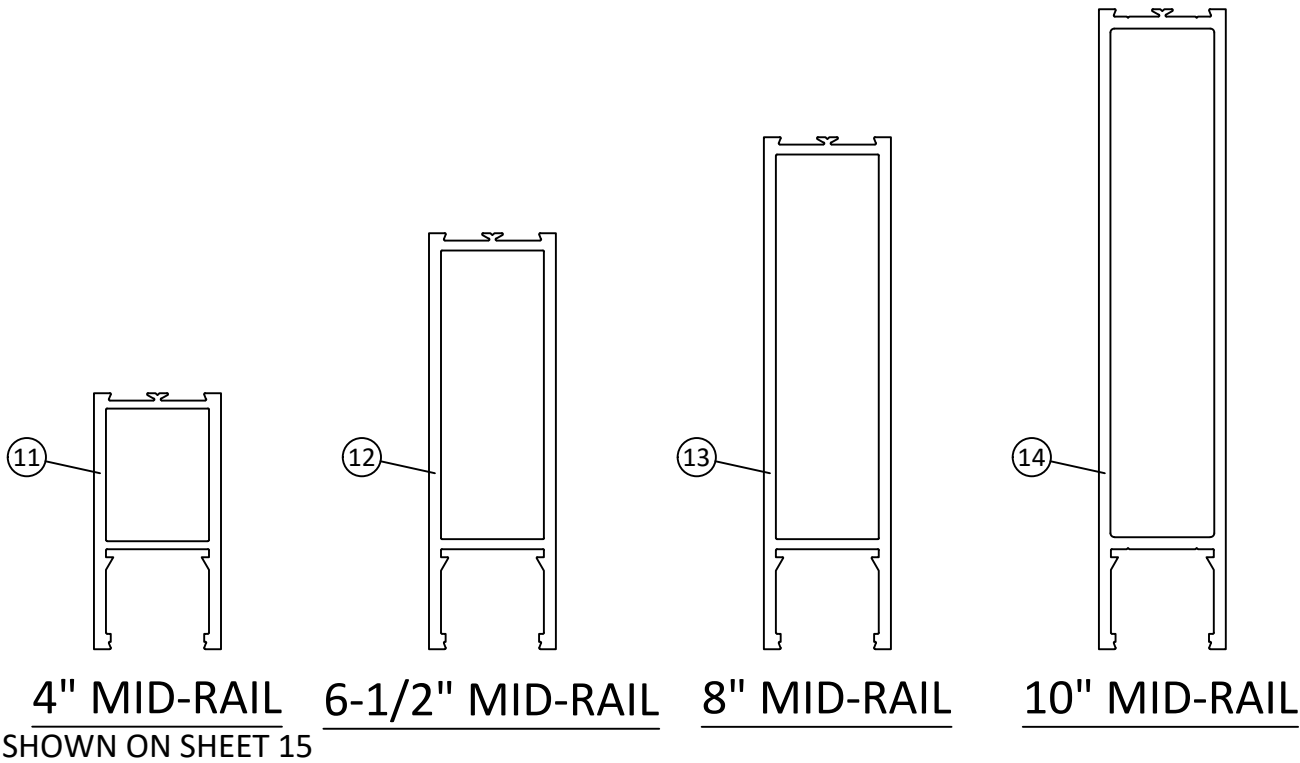
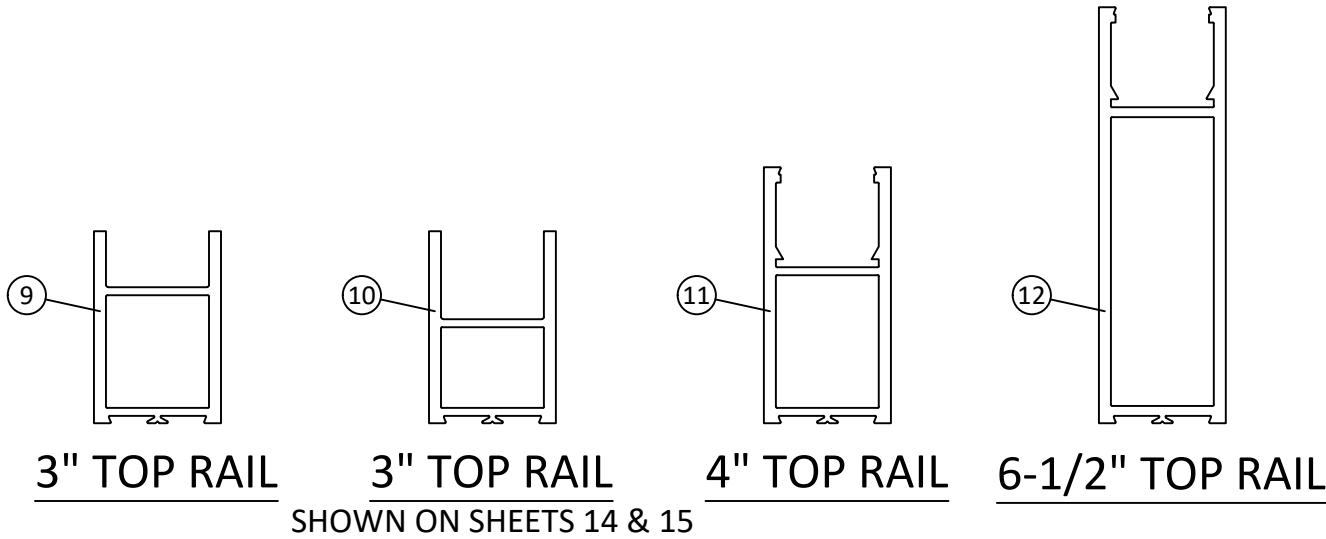
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DOOR RAIL OPTIONS



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(HVHZ) (MISSILE LEVEL E IMPACT RATED)

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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL46731**

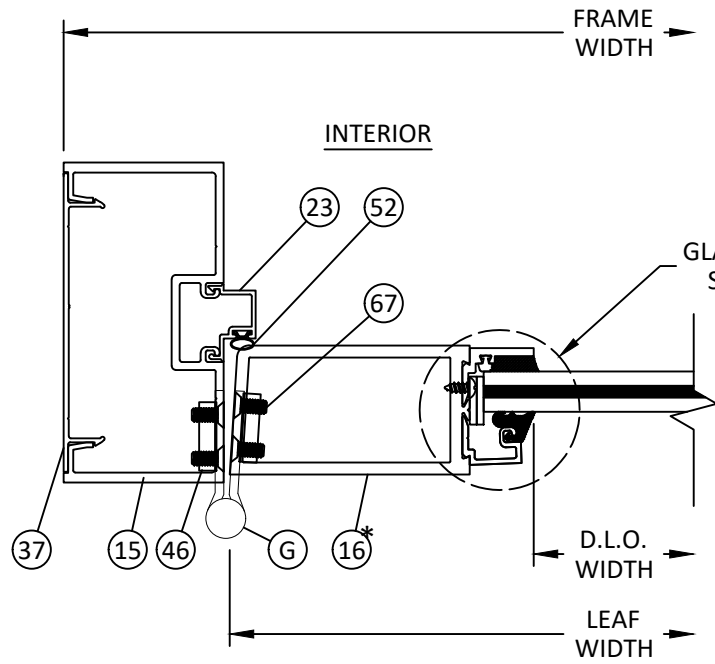
DATE: **04.11.2024**

DWG. BY: **MS**CHK. BY: **HFN**

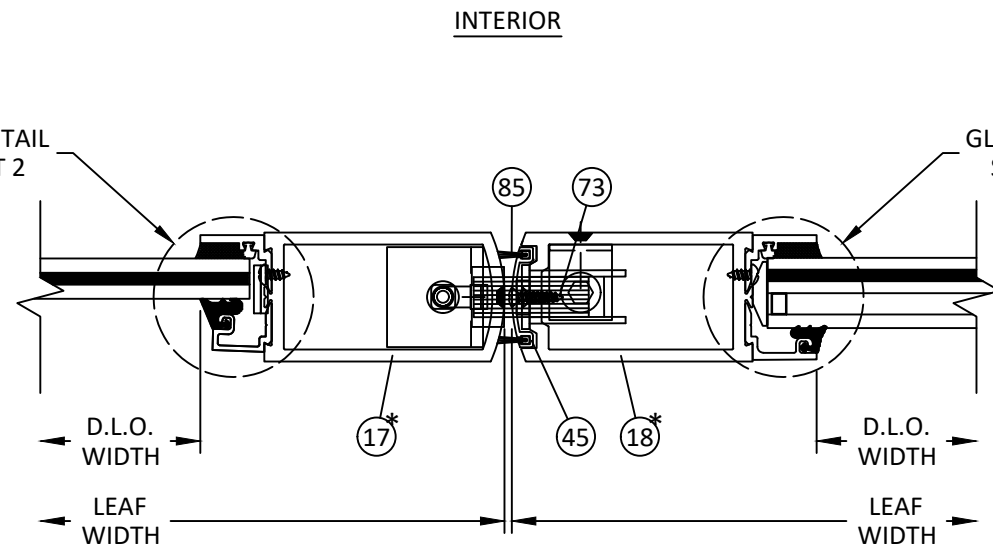
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DWG. #: **OBE012**

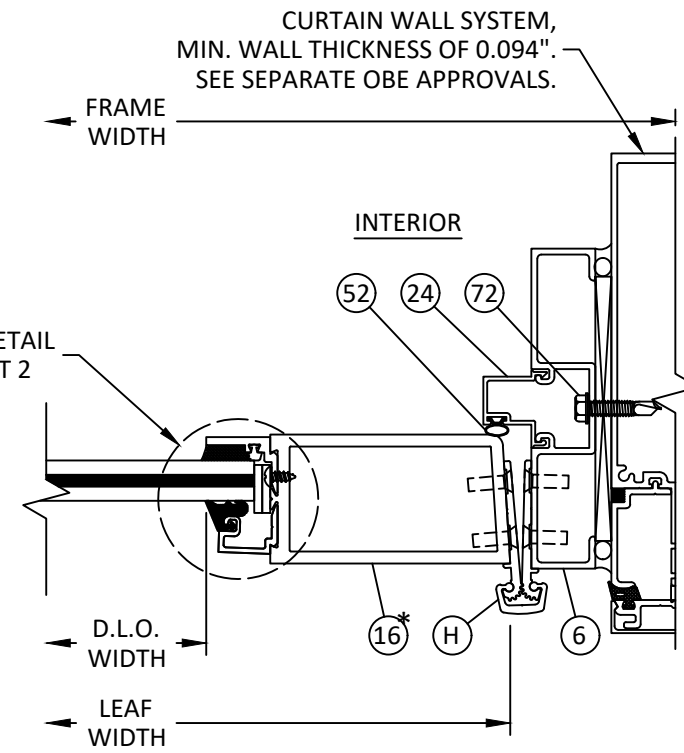
SHEET: **16**REV. **B**



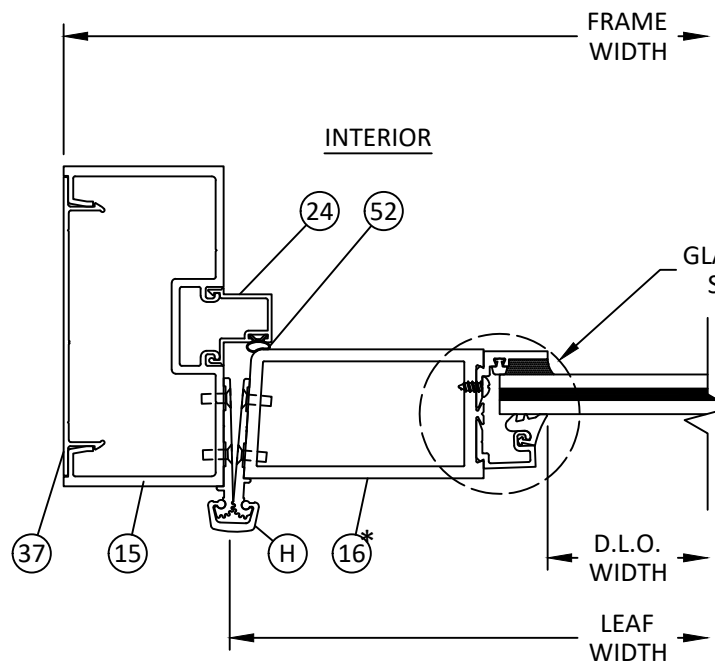
J
17 HORIZONTAL SECTION
DOOR JAMB
BUTT HINGE



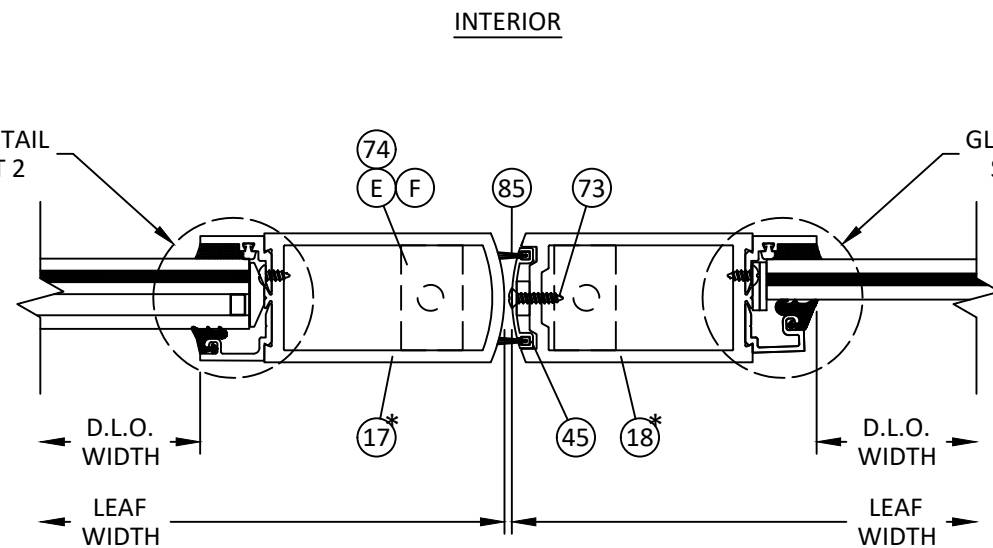
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17 HORIZONTAL SECTION
MEETING STILES
W/ DEADLOCK



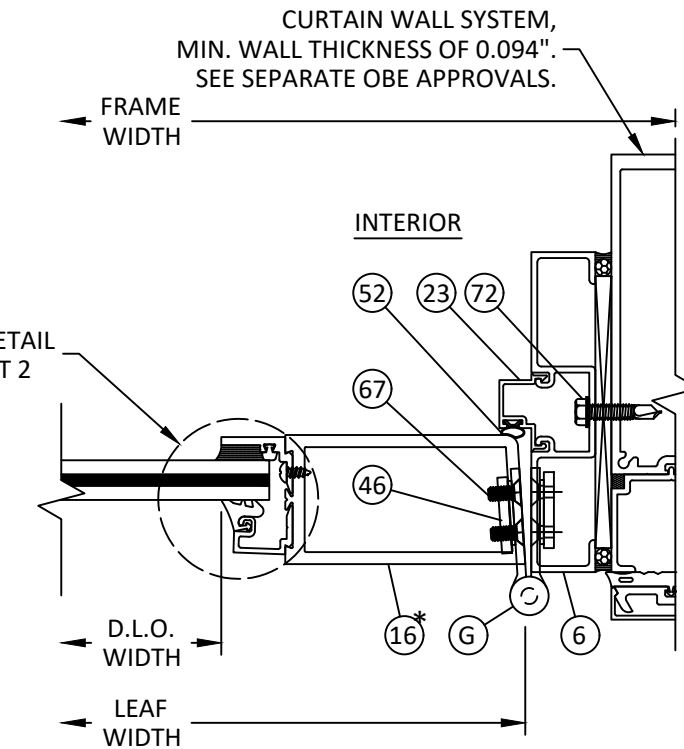
L
17 HORIZONTAL SECTION
DOOR JAMB W/ CURTAIN FRAME
GEAR HINGE



M
17 HORIZONTAL SECTION
DOOR JAMB
GEAR HINGE



N
17 HORIZONTAL SECTION
MEETING STILES
W/ CVR EXIT DEVICE



O
17 HORIZONTAL SECTION
DOOR JAMB W/ CURTAIN FRAME
BUTT HINGE

* SEE SHEET 18 FOR ALTERNATE PROFILES.



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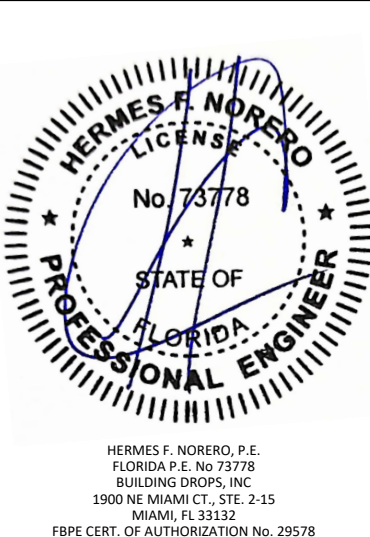
TITLE:
RUGGED STORMMAX ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
A. MISC. REVISION	MS	6/18/2024
B. 2026 FBC UPDATE	MS	7/29/2026

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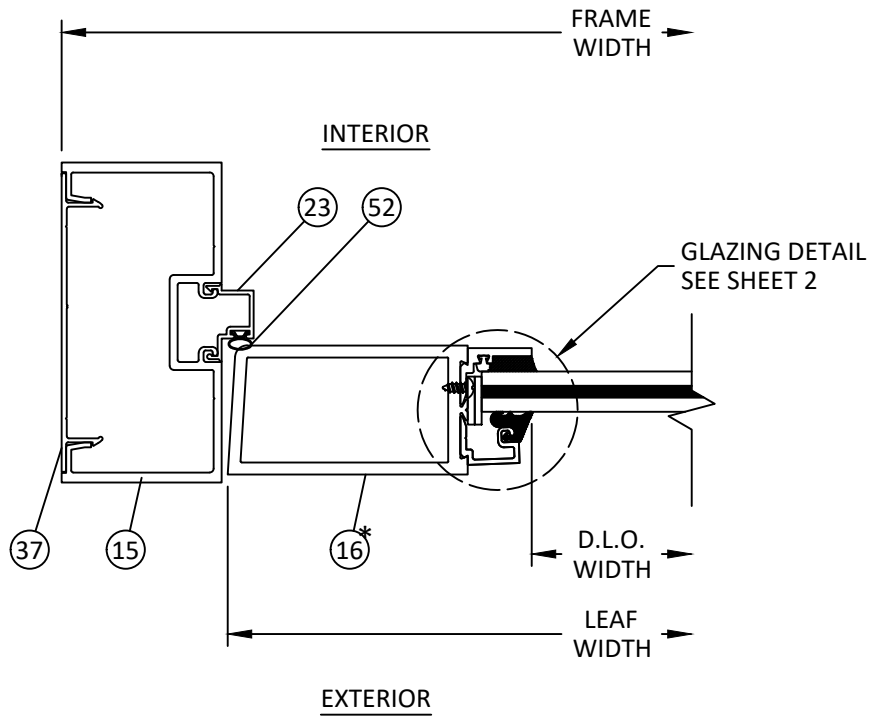
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SCALE: **NTS**

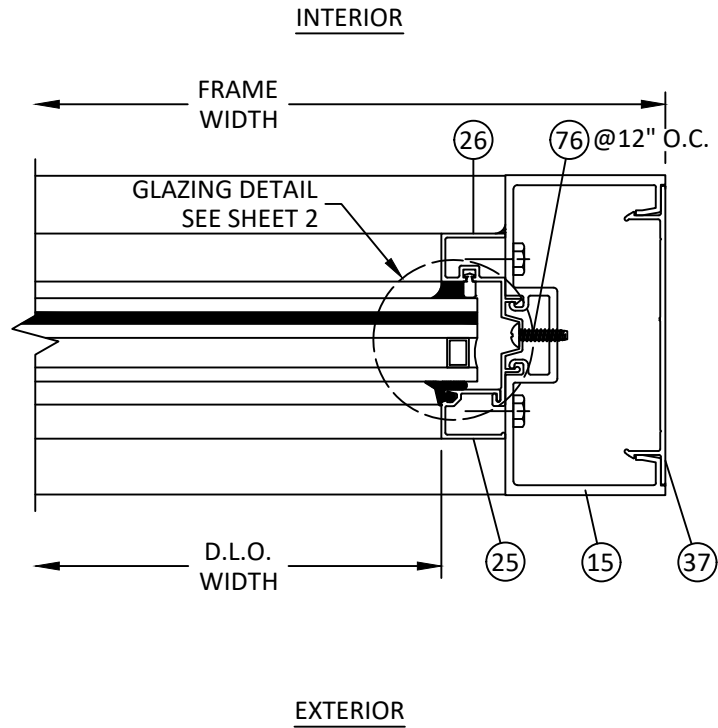
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SHEET: **17** REV. **B**

OF 23



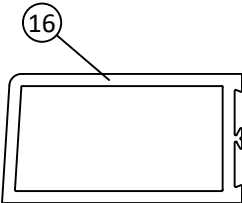
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18 **HORIZONTAL SECTION**
DOOR LOCK JAMB
W/ DEADLOCK OR CVR EXIT DEVICE



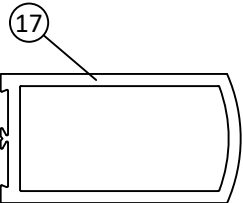
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18 **HORIZONTAL SECTION**
TRANSOM JAMB

* SEE SHEET 18 FOR ALTERNATE PROFILES.

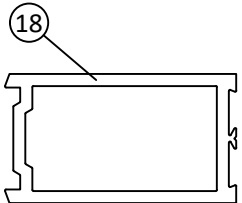
DOOR STILE OPTIONS



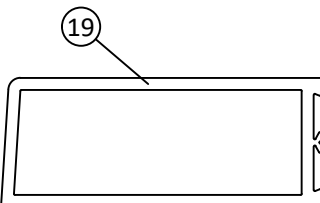
HINGE STILE (MEDIUM)
SHOWN ON SHEETS 17 & 18



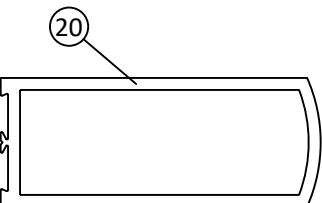
INACTIVE STILE (MEDIUM)
SHOWN ON SHEET 17



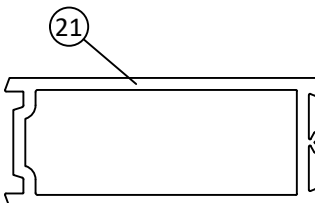
ACTIVE STILE (MEDIUM)
SHOWN ON SHEET 17



HINGE STILE (WIDE)



INACTIVE STILE (WIDE)



ACTIVE STILE (WIDE)



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TITLE:
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(HVHZ) (MISSILE LEVEL E IMPACT RATED)

HORIZONTAL SECTIONS

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MIAMI, FL 33132
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WEB: www.buildingdrops.com

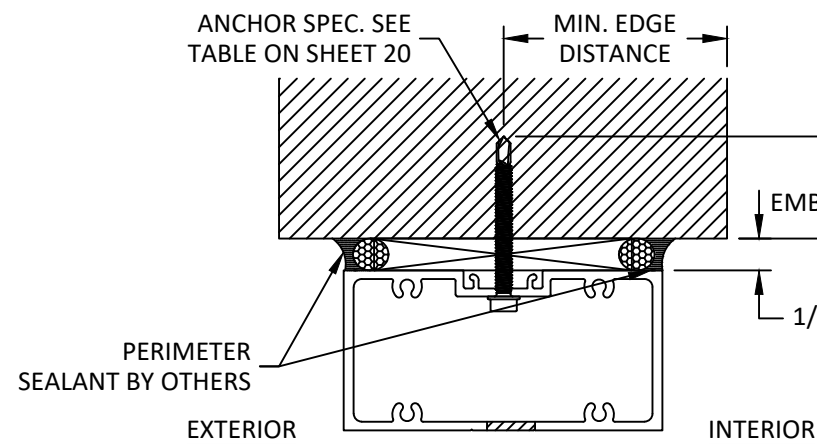
REMARKS	BY	DATE
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B. 2026 FBC UPDATE	MS	7/29/2026

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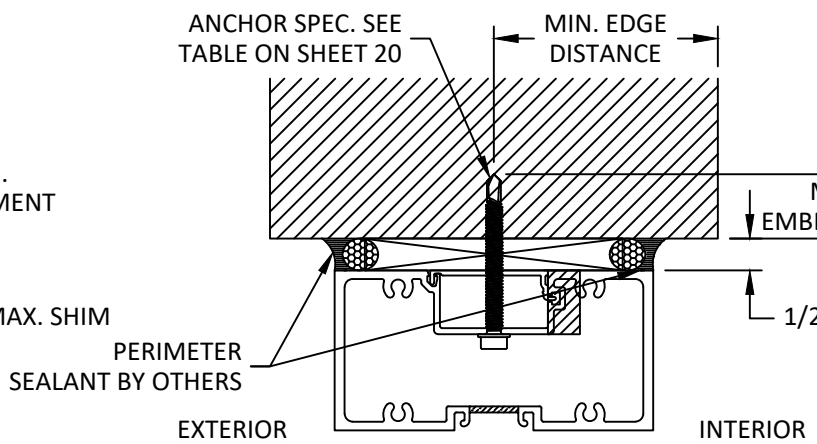
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL46731
DATE:	04.11.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	OBE012
SHEET:	18
REV.	B

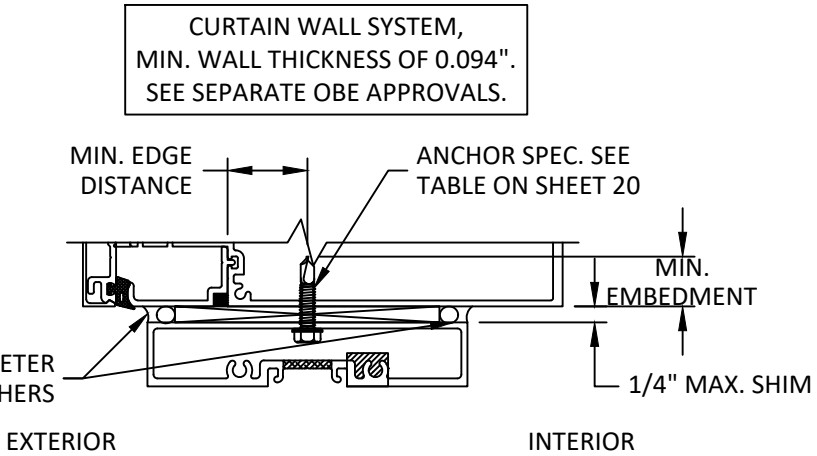
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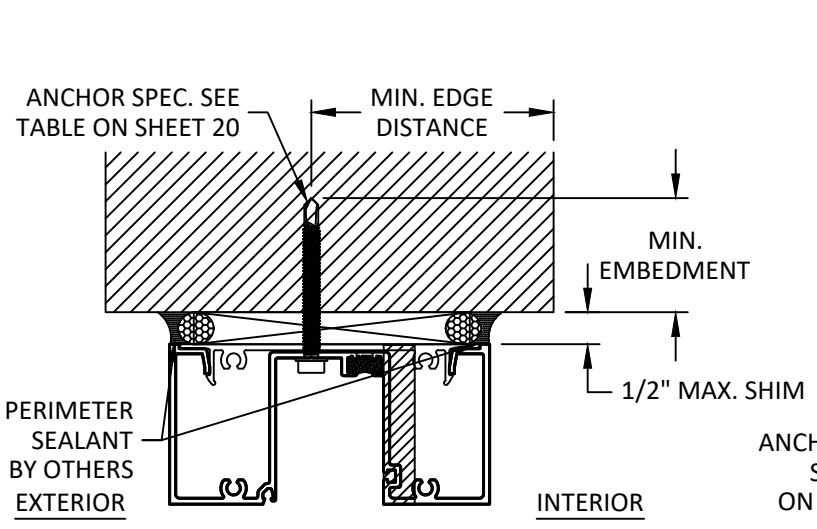
R
19 INSTALLATION DETAIL
DOOR HEAD
CONCEALED CLOSER



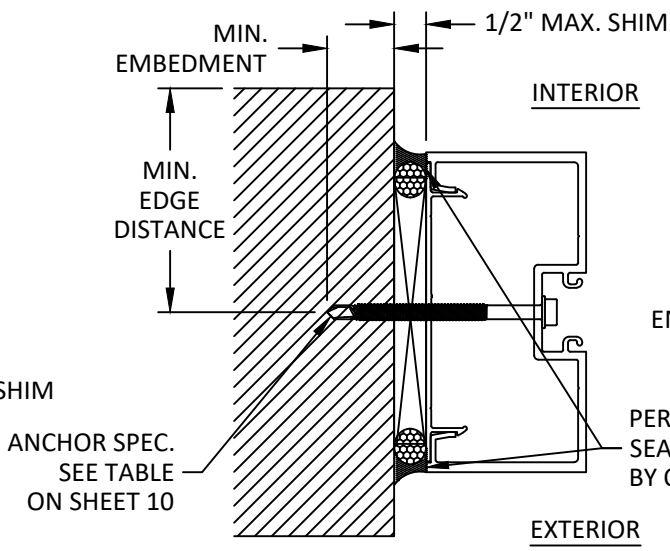
S
19 INSTALLATION DETAIL
DOOR HEAD
SURFACE CLOSER



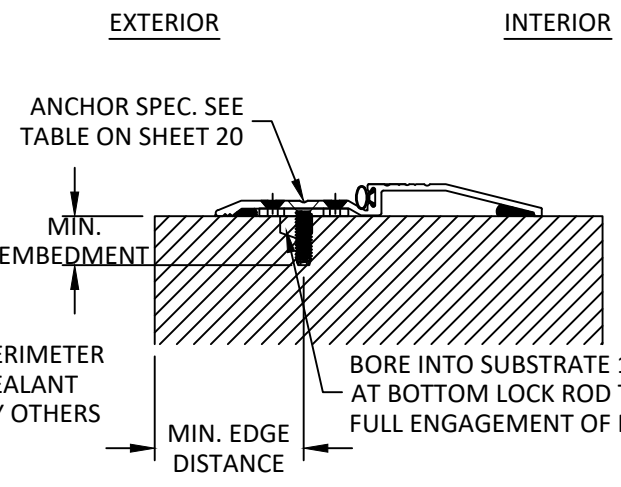
T
19 INSTALLATION DETAIL
DOOR HEAD TO CURTAIN WALL FRAME



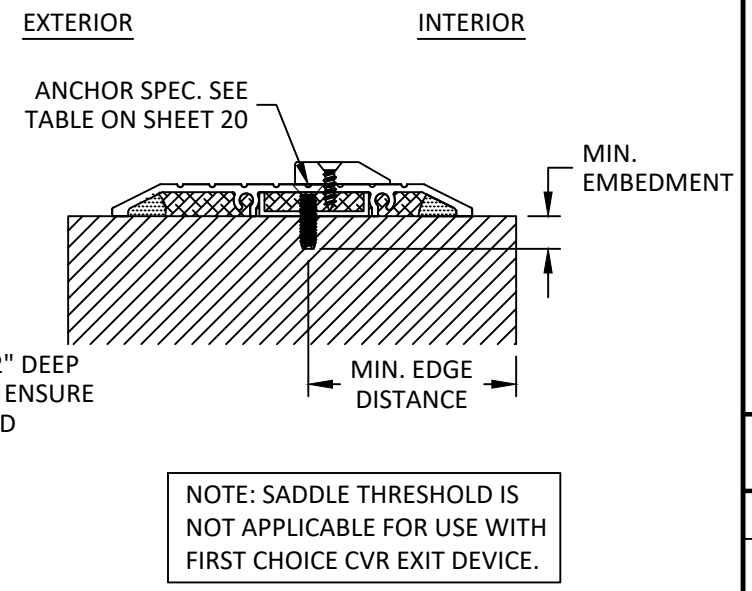
U
19 INSTALLATION DETAIL
TRANSOM HEAD



V
19 INSTALLATION DETAIL
TRANSOM JAMB



W
19 INSTALLATION DETAIL
DOOR SILL
BUMPER THRESHOLD



X
19 INSTALLATION DETAIL
DOOR SILL
SADDLE THRESHOLD



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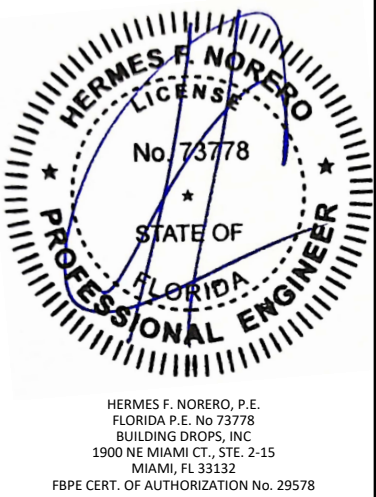
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RUGGED STORMMAX ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

INSTALLATION DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OBE012**

SHEET: **19** REV. **B**

OF 23

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
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 ±1/4 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.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. 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, 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.
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.

7.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

7.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
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 TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH DOOR/ TRANSOM HEAD & JAMB	WOOD: MIN. S.G. = 0.55	1/4" DEWALT ULTRACON+	1-1/2"	1-3/4"
		5/16" DEWALT ULTRACON	1-1/2"	1-9/16"
	STEEL: MIN. 1/8" A36, OR MIN. 16 GA. ASTM A653, GRADE 33	1/4" DEWALT DRIL-FLEX	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	STEEL: MIN. 1/8" A36, OR MIN. 16 GA. ASTM A653, GRADE 33	5/16" SELF-DRILLING OR SELF-TAPPING SCREW (MIN. GRADE 5)	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" DEWALT ULTRACON+	1"	2-1/2"
	MASONRY: GROUT-FILLED BLOCK per ASTM C90, MIN. 2000 PSI		1-3/4"	4"
THROUGH CURTAIN WALL	CURTAIN WALL FRAME: 0.094" THICK 6063-T6 ALUMINUM	1/4"-20 X 1-1/8" HWH DEWALT DRIL-FLEX	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
THROUGH DOOR SILL	STEEL: MIN. 1/8" A36	1/4" PHILLIPS FLAT HEAD TYPE F AISI 1016-1024 STEEL SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	CONCRETE: MIN. f'c = 3000 psi	1/4" DEWALT ULTRACON+	1"	2-1/2"



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INSTALLATION NOTES &
ANCHOR SCHEDULE

PREPARED BY:

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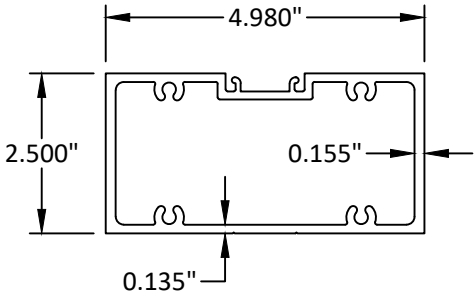
SHEET: **20**

REV. **B**

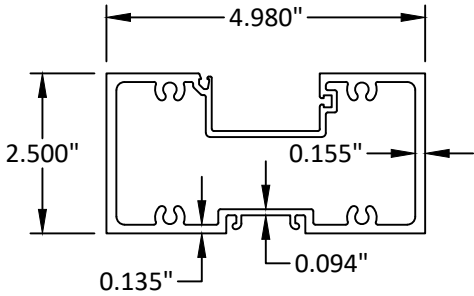
OF 23

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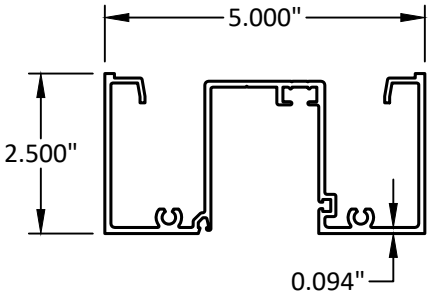
BILL OF MATERIALS				
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1	FG-5765	DOOR HEADER (CONCEALED CLOSER)	ALUMINUM 6063-T6	OBE
2	FG-5767	DOOR HEADER (SURFACE CLOSER)	ALUMINUM 6063-T6	OBE
3	FGT-5770	TRANSOM HEADER	ALUMINUM 6063-T6	OBE
4	-	-	-	-
5	D-239	DOOR HEADER (CURTAIN WALL FRAME)	ALUMINUM 6063-T6	OBE
6	D-226	DOOR JAMB (CURTAIN WALL FRAME)	ALUMINUM 6063-T6	OBE
7	TH-67	BUMPER THRESHOLD	ALUMINUM 6063-T5	OBE
8	TH-57	SADDLE THRESHOLD	ALUMINUM 6063-T5	OBE
9	D-1886	DOOR TOP RAIL	ALUMINUM 6063-T5	OBE
10	D-1887	DOOR TOP RAIL	ALUMINUM 6063-T5	OBE
11	D-1892	DOOR TOP/MID-RAIL	ALUMINUM 6063-T6	OBE
12	D-1918	DOOR TOP/MID-RAIL	ALUMINUM 6063-T6	OBE
13	D-1888	DOOR BOTTOM/MID-RAIL	ALUMINUM 6063-T6	OBE
14	D-1894	DOOR BOTTOM/MID-RAIL	ALUMINUM 6063-T6	OBE
15	FG-5713	DOOR JAMB	ALUMINUM 6063-T6	OBE
16	D-1880	DOOR HINGE STILE (MEDIUM)	ALUMINUM 6063-T5	OBE
17	D-1881	DOOR INACTIVE MEETING STILE (MEDIUM)	ALUMINUM 6063-T6	OBE
18	D-1883	DOOR ACTIVE MEETING STILE (MEDIUM)	ALUMINUM 6063-T6	OBE
19	D-1902	DOOR HINGE STILE (WIDE)	ALUMINUM 6063-T6	OBE
20	D-1901	DOOR INACTIVE MEETING STILE (WIDE)	ALUMINUM 6063-T6	OBE
21	D-1903	DOOR ACTIVE MEETING STILE (WIDE)	ALUMINUM 6063-T6	OBE
22	DS-104	DOOR STOP (CONCEALED CLOSER)	ALUMINUM 6063-T5	OBE
23	FG-5171	DOOR STOP (SURFACE CLOSER & JAMB)	ALUMINUM 6063-T6	OBE
24	FG-5768	DOOR STOP	ALUMINUM 6063-T5	OBE
25	FG-5769	SASH STOP	ALUMINUM 6063-T5	OBE
26	FG-5181	TRANSOM SASH	ALUMINUM 6063-T5	OBE
27	-	-	-	-
28	-	-	-	-
29	S-99	EXTERIOR GLASS STOP (INSULATING GLASS)	ALUMINUM 6063-T5	OBE
30	S-98	INTERIOR GLASS STOP	ALUMINUM 6063-T5	OBE
31	S-83	EXTERIOR GLASS STOP (MONOLITHIC GLASS)	ALUMINUM 6063-T6	OBE
32	SC-1	SPRING CLIP	SPRING STEEL	VARIES
33	FG-5777	POCKET FILLER	ALUMINUM 6063-T5	OBE
34	D-62	MID-RAIL FILLER	ALUMINUM 6063-T5	OBE
35	-	-	-	-
36	FG-5718	DOOR HEADER FILLER	ALUMINUM 6063-T6	OBE
37	FG-5715	FLAT FILLER	ALUMINUM 6063-T6	OBE
38	D-118	DOOR SWEEP RETAINER	ALUMINUM 6063-T5	OBE
39	TH-60	THRESHOLD ANCHOR PLATE	ALUMINUM 6063-T5	OBE
40	AC-112-1	DOOR HEADER SHEAR BLOCK (CONCEALED CLOSER)	ALUMINUM 6063-T6	OBE
41	CB-1887	CORNER BLOCK (USE WITH D-1887)	ALUMINUM 6063-T6	OBE
42	CB-1888	CORNER BLOCK (USE WITH D-1888)	ALUMINUM 6063-T6	OBE
43	CB-1892	CORNER BLOCK (USE WITH D-1892)	ALUMINUM 6063-T6	OBE
44	FG-5764	DOOR HEADER REINFORCEMENT (48" LENGTH)	ALUMINUM 6063-T6	OBE
45	AS-6	ADJUSTABLE ASTRAGAL	ALUMINUM 6063-T6	OBE
46	BP-8	BACKUP PLATE	9 GA. STEEL	VARIES
47	CB-1886	CORNER BLOCK (USE WITH D-1886)	ALUMINUM 6063-T6	OBE
48	CB-1894	CORNER BLOCK (USE WITH D-1894)	ALUMINUM 6063-T6	OBE
49	CB-1918	CORNER BLOCK (USE WITH D-1918)	ALUMINUM 6063-T6	OBE
50	D-120	BOTTOM RAIL SWEEP	SILICONE 50 +/- 5 DUROMETER	VARIES
51	D-123	SETTING BLOCK	RIGID PVC	VARIES
52	D-125	BULB GASKET	SANTOPRENE/ POLYPROPYLENE	VARIES
53	FG-1133	GASKET	EPDM 70 +/-5 SHORE A DUROMETER	VARIES
54	FG-5000-PP-1	SETTING BLOCK	EPDM 85 +/-5 SHORE A DUROMETER	VARIES
55	FG-5125	GASKET	EPDM 70 +/-5 SHORE A DUROMETER	VARIES
56	FG-5188	SPACER GASKET	SILICONE 70 +/-5 SHORE A DUROMETER	VARIES



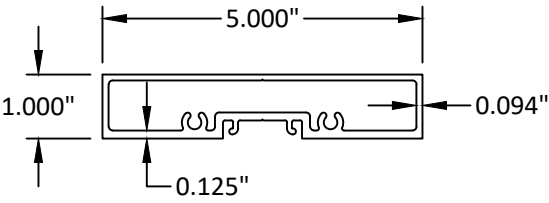
1 DOOR HEADER (CONCEALED CLOSER)



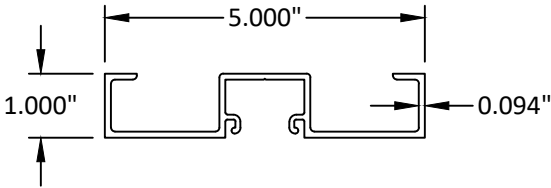
2 DOOR HEADER (SURFACE CLOSER)



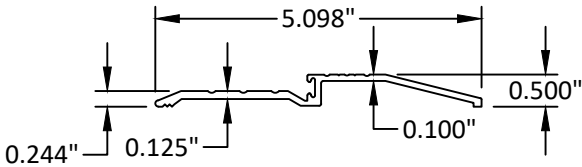
3 TRANSOM HEADER



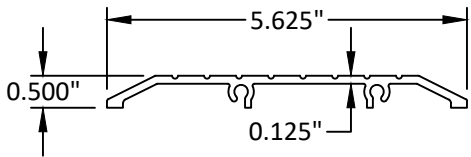
5 DOOR HEADER (CW FRAME)



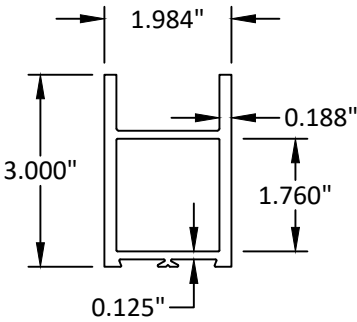
6 DOOR JAMB (CW FRAME)



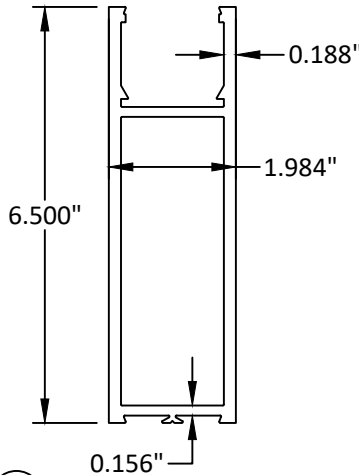
7 BUMPER THRESHOLD



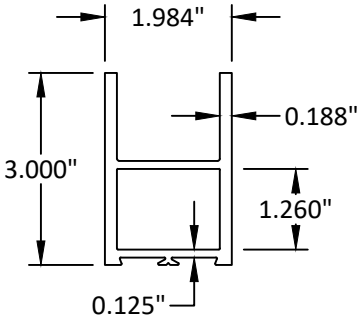
8 SADDLE THRESHOLD



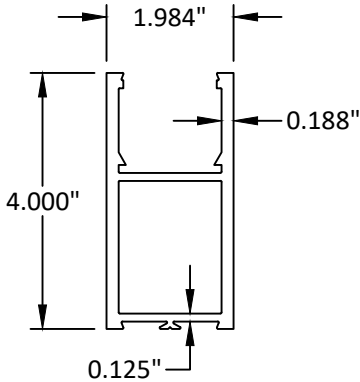
9 DOOR TOP RAIL



12 DOOR TOP/MID-RAIL



10 DOOR TOP RAIL



11 DOOR TOP/MID-RAIL



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TITLE:
RUGGED STORMMAX ENTRANCE DOOR
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BILL OF MATERIALS &
COMPONENTS

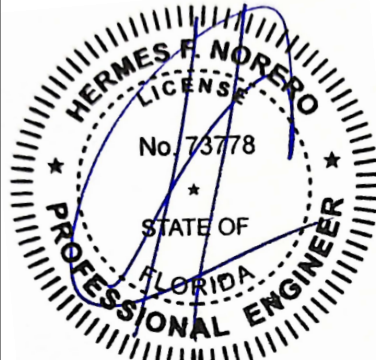
PREPARED BY:

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



REMARKS	BY	DATE
A. MISC. REVISION	MS	6/18/2024
B. 2026 FBC UPDATE	MS	7/29/2026

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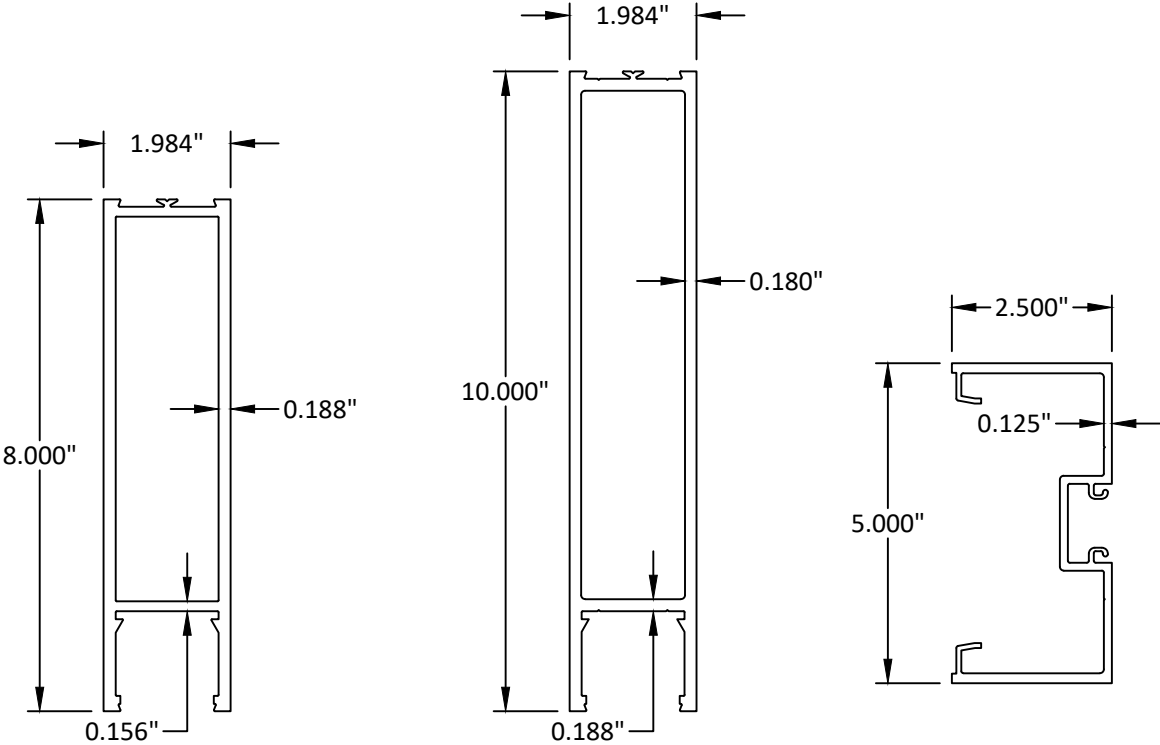
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL46731
DATE:	04.11.2024
DWG. BY:	CHK. BY:
MS	HFN
SCALE:	NTS
DWG. #:	OBE012
SHEET:	REV. B

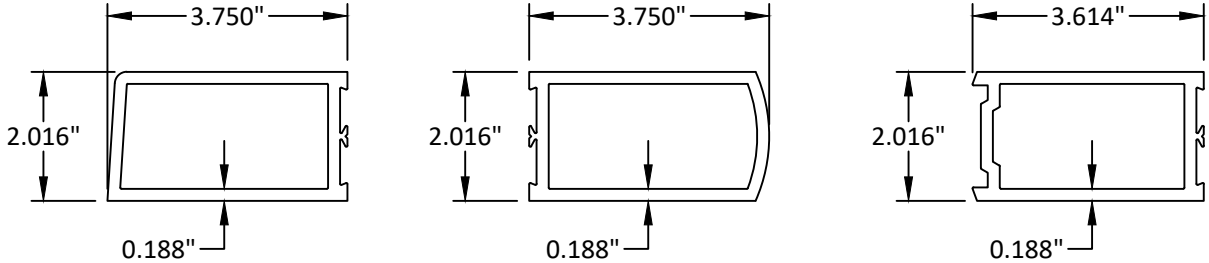
21

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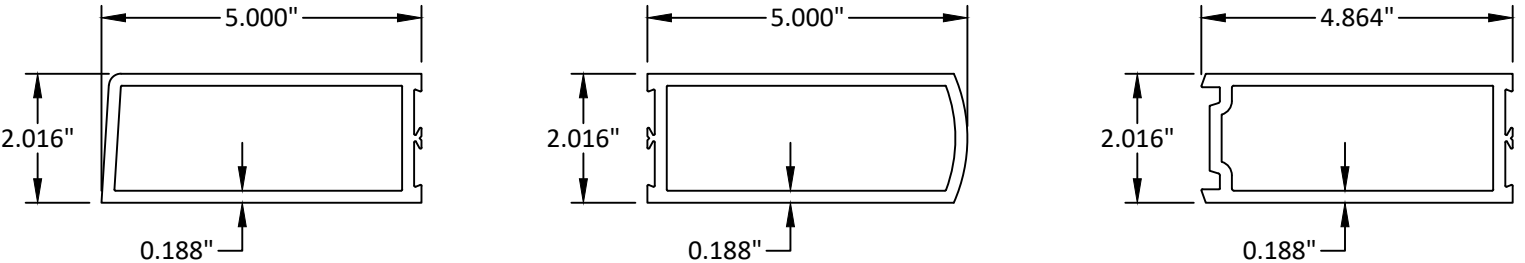
BILL OF MATERIALS (CONT.)				
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
57	FG-5731	SPACER GASKET	SILICONE 70 +/-5 SHORE A DUROMETER	VARIES
58	FG-5736	GASKET	EPDM 70 +/-5 SHORE A DUROMETER	VARIES
59	FS-114	#8 X 3/8 PHIL PAN T/S TYPE A	STEEL	VARIES
60	FS-139	1/4-20 X 1 UNSLOT IND SERRATED WASHER M/S	STEEL	VARIES
61	FS-140	1/4-20 X 3/4 SLOT IND SERRATED HEX WASHR T/C TYPE F	STEEL	VARIES
62	FS-15	3/16 BRAZIER HD DRIVE RIVET	ALUMINUM	VARIES
63	FS-16	#10-24 X 1/4" UCPFH MS	STEEL	VARIES
64	FS-18	1/4-20 X 2 1/2 PHIL TRUSS M/S	STEEL	VARIES
65	FS-2	#8 X 1/2 PHIL FLAT T/S TYPE A	18-8 STAINLESS STEEL	VARIES
66	FS-201	#10 X 2 PHIL FLAT T/S TYPE A	STEEL	VARIES
67	FS-22	12-24 X 1/2 PHIL FLAT M/S W/ UNDERCUT	STEEL	VARIES
68	FS-231	10-24 X 5/8 PHIL FLAT M/S	18-8 STAINLESS STEEL	VARIES
69	FS-235	1/4-20 X 5/8 PHIL FLAT M/S	18-8 STAINLESS STEEL	VARIES
70	FS-255	#14 X 3/4 PHIL FLAT T/S TYPE A W/ UNDERCUT	18-8 STAINLESS STEEL	VARIES
71	FS-322	#12-14 x 1" HWH #3 pt Drill Flex	STEEL	VARIES
72	FS-336	1/4 X 1 1/8 HEX WASHER SELF-DRILL SCR/4	STEEL	VARIES
73	FS-49	#8 X 3/4 PHIL OVAL T/S TYPE A	STEEL	VARIES
74	FS-50	8-32 X 1/2 PHIL FLAT M/S	STEEL	VARIES
75	FS-58	#10 X 1 PHIL FLAT T/S TYPE B	STEEL	VARIES
76	FS-6	#10 X 3/4 PHIL PAN T/S TYPE B	STEEL	VARIES
77	FS-7	#10 X 3/4" PFH B PT	STEEL	VARIES
78	FS-8	1/4 X 1 UNSLOT IND HEX T/S TYPE B	STEEL	VARIES
79	FSN-90	1/4-20 THREADED HEX INSERT	ALUMINUM	VARIES
80	HP-92S	SETTING BLOCK	SILICONE 85 +/-5 SHORE A DUROMETER	VARIES
81	MH-2	GLASS ADJUSTMENT SCREW CAP	ACETAL BLACK	VARIES
82	SM-5601	SEALANT TAPE	ISOCRYLBUTYLENE	VARIES
83	TH-403	THRESHOLD CLIP	STEEL	VARIES
84	TH-68-01	PANIC STOP	ALUMINUM 6063-T5	OBE
85	WP-085	WOOL PILE	-	VARIES



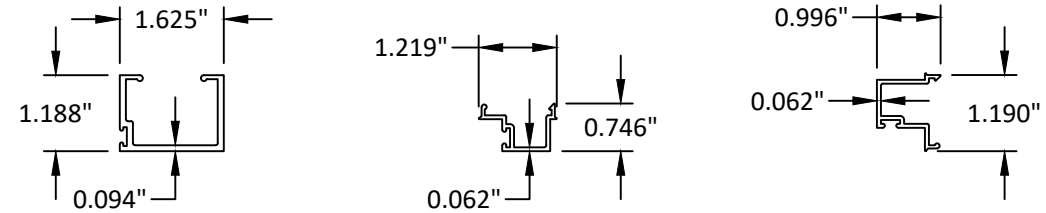
13 DOOR BOTTOM/MID-RAIL 14 DOOR BOTTOM/MID-RAIL 15 DOOR JAMB



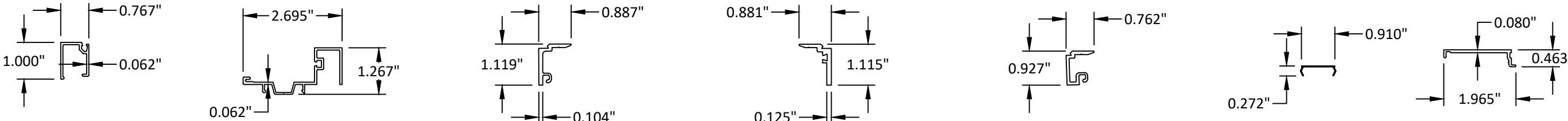
16 HINGE STILE (MEDIUM) 17 INACTIVE STILE (MEDIUM) 18 ACTIVE STILE (MEDIUM)



19 HINGE STILE (WIDE) 20 INACTIVE STILE (WIDE) 21 INACTIVE STILE (WIDE)



22 DOOR STOP (COC) 23 DOOR STOP (SMC) 24 DOOR STOP



25 SASH STOP 26 TRANSOM SASH 29 EXT. GLASS STOP (INS.) 30 INT. GLASS STOP 31 EXT. GLASS STOP (MONO.) 32 SPRING CLIP 33 POCKET FILLER



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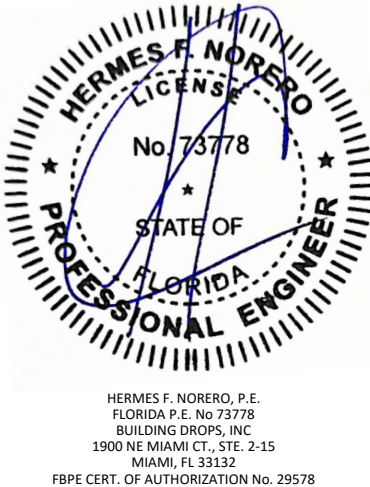
TITLE:
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BILL OF MATERIALS & COMPONENTS

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FL #: **FL46731**

DATE: **04.11.2024**

DWG. BY: **MS** CHK. BY: **HFN**

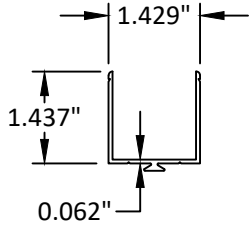
SCALE: **NTS**

DWG. #: **OBE012**

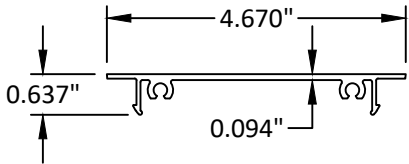
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OF 23

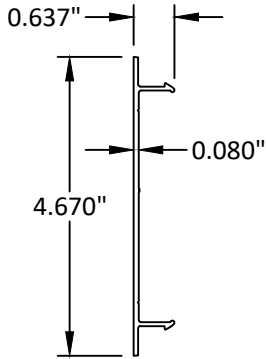
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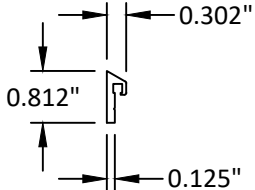
34 MID-RAIL FILLER



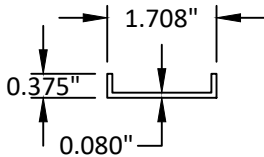
36 DOOR HEADER FILLER



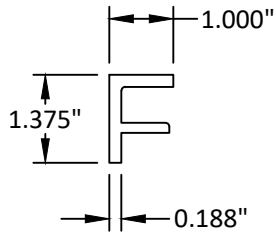
37 FLAT FILLER



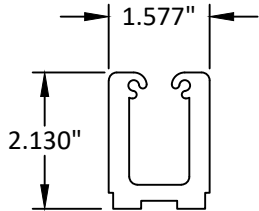
38 DOOR SWEEP RETAINER



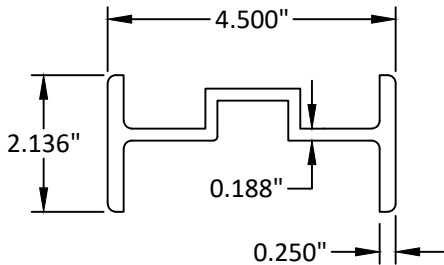
39 ANCHOR PLATE



40 SHEAR BLOCK (COC)



41 42 43
47 48 49 CORNER BLOCK



44 REINFORCEMENT



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COMPONENTS

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OF 23