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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION THROUGH METAL FRAME USE 1/4 INCH DIAMETER SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. FOR INSTALLATION THROUGH ALUMINUM MULLION USE 1/4 INCH DIAMETER SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND ALUMINUM FRAME SUBSTRATE.
9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 10.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

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).

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).
- 11.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.
- 12.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.
- 13.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER) WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

E. ALUMINUM - MINIMUM 1/16 INCH THICK 6063-T5 ALUMINUM.

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

ASTM E330-14

ASTM E1886-19

ASTM E1996-23
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING 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** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE. PRODUCT MEETS MISSILE LEVEL E IMPACT TESTING REQUIREMENTS.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T5
7. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 11 FOR GLAZING DETAILS.
9. DOOR CONFIGURATIONS MAY UTILIZE BUTT HINGES AS DESCRIBED HEREIN OR CONTINUOUS HINGES INTERCHANGEABLY.
10. ALLOWABLE CONFIGURATIONS: X (SINGLE DOOR) OR XX (DOUBLE DOOR).

YKK AP AMERICA, Inc.

SERIES 50H ALUMINUM OUTSWING

ENTRANCE DOOR

(HVHZ) (MISSILE LEVEL E IMPACT RATED)

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DESIGN PRESSURE TABLE			
GLAZING TYPES	MAX. D.L.O. SIZE	MAX. DP	IMPACT RATING
A, B	36.19" X 81.69"	+90*/-90 PSF	LMI & SMI
C	35.81" X 81.31"	+90*/-90 PSF	LMI & SMI

- NOTES:
1. *POSITIVE DESIGN PRESSURE SHALL BE LIMITED TO 70 PSF WHEN AIR/WATER THRESHOLD (COMPONENT #24,27,28) IS USED IN LOCATIONS REQUIRING WATER INFILTRATION RESISTANCE
2. LMI - LARGE MISSILE IMPACT RATED
3. SMI - SMALL MISSILE IMPACT RATED
4. SEE SHEETS 11 FOR GLAZING DETAILS

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ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

INSTALLATION & GENERAL NOTES

PREPARED BY:

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BD

BUILDING DROPS

REMARKS	BY	DATE
HARDWARE UPDATE	SH	9/13/22
2026 CODE UPDATE	SH	7/31/26

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Reason: I am approving this document
Date: 2026.08.06 13:22:46 -04'00'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

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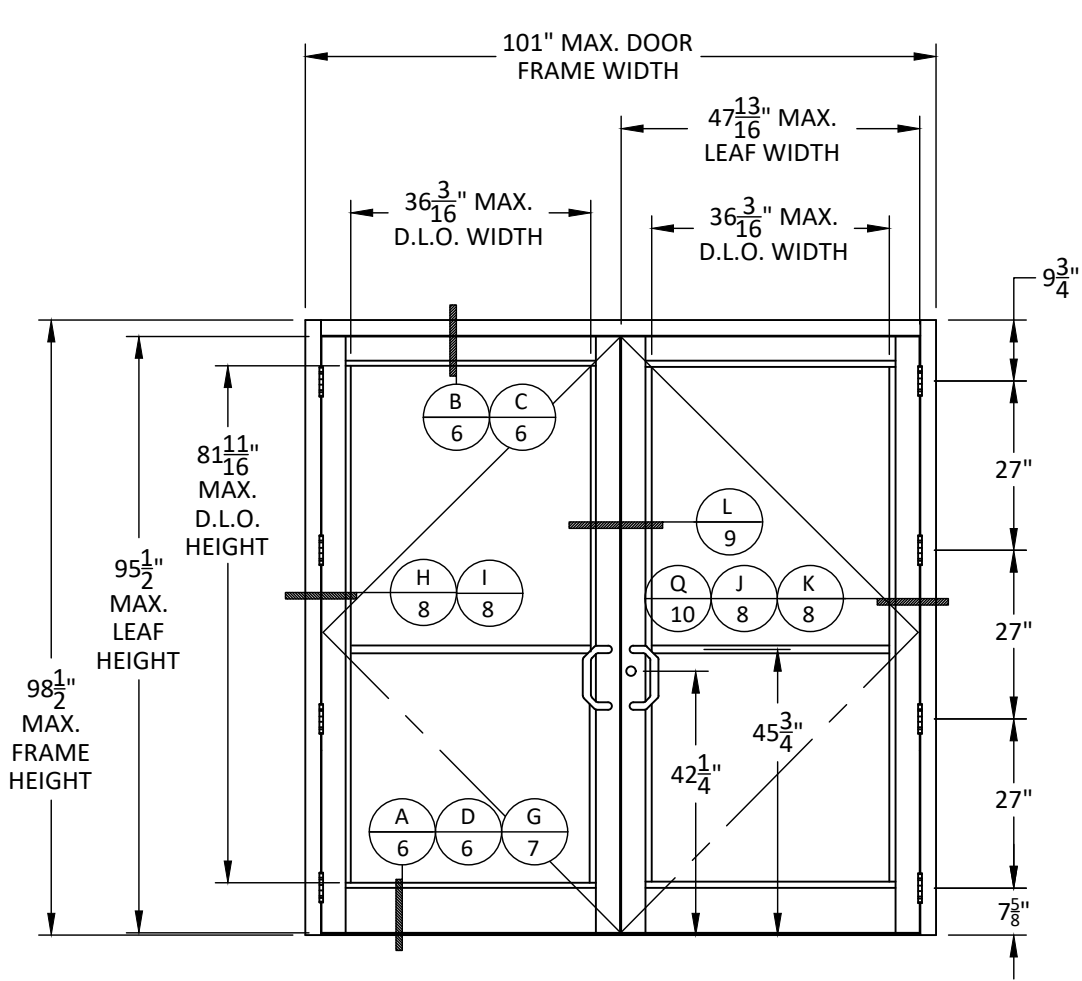
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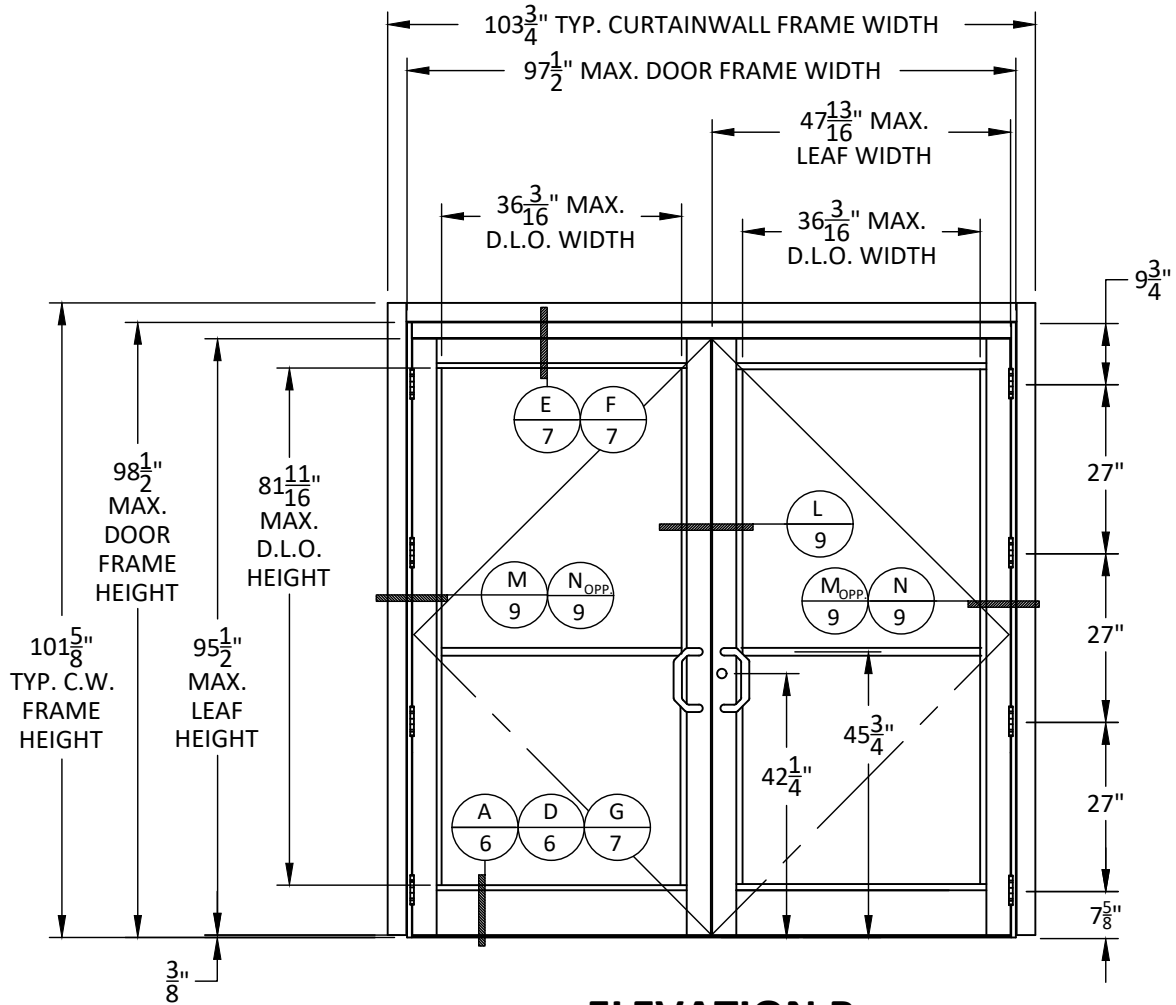
ELEVATION A
STANDARD 5-POINT LOCK
STANDARD DOOR FRAME

ELEVATION A
QUALIFIED LOCKING HARDWARE
ADAMS RITE MS 1850 WITH MS 4015 AND MS 4016 TOP AND BOTTOM BOLTS
ADAMS RITE MS 1880

QUALIFIED HINGE ASSEMBLIES	
HINGE TYPE	DESCRIPTION
BUTT HINGE	FOUR (4) HAGER BB1191 BUTT HINGES PER DOUBLE LEAF
CONTINUOUS HINGE	ONE (1) ROTON 780-226HD CONTINUOUS GEARED HINGE PER DOUBLE LEAF
CONTINUOUS HINGE	ONE (1) SELECT 27HD CONTINUOUS GEARED HINGE PER DOUBLE LEAF

NOTE:
MONOLITHIC D.L.O. SHOWN, INSULATING SIMILAR. SEE SHEET 1 FOR MAXIMUM PER GLASS TYPE.

NOTES:
1) WHEN AIR/WATER THRESHOLD IS UTILIZED, MAX. STANDARD FRAME MAY INCREASE TO 99-7/8", CURTAINWALL FRAME HEIGHT MAY INCREASE TO 103". SEE DETAIL D, PAGE 3 AND DETAIL E, PAGE 4.
2) SINGLE AND DOUBLE DOORS ARE QUALIFIED SUCH THAT SINGLE DOOR UTILIZES HARDWARE FROM ACTIVE DOOR PANEL.



ELEVATION B
STANDARD 5-POINT LOCK/CVR EXIT DEVICE
STANDARD CURTAINWALL (C.W.) FRAMING

ELEVATION B
QUALIFIED LOCKING HARDWARE
ADAMS RITE MS 1850 WITH MS 4015 AND MS 4016 TOP AND BOTTOM BOLTS
ADAMS RITE MS 1880
FIRST CHOICE FL8660 CVR EXIT DEVICE
FIRST CHOICE FL3690 CVR EXIT DEVICE

THRESHOLD WATER INFILTRATION AND DESIGN PRESSURE LIMITATIONS				
THRESHOLD DESCRIPTION	ITEM #	TYP. DETAILS	WATER TEST PRESSURE	LIMITATIONS
4 1/2" AIR TIGHT THRESHOLD	ITEM # 12	SEE TYP. DETAILS A/6	0 PSF	THRESHOLD SHALL BE USED WHERE WATER INFILTRATION RATING IS NOT REQUIRED OR WHERE WATER INFILTRATION IS REQUIRED, A MINIMUM OVERHANG RATIO (OVERHANG PROJECTION:OVERHANG HEIGHT) SHALL BE EQUAL TO OR GREATER THAN 1. POSITIVE DESIGN LOAD NOT TO EXCEED +90 PSF.
AIR/WATER RESISTANT THRESHOLD	ITEMS #24, #27, #28, & #55	SEE TYP. DETAILS D/6 & G/7	10.5 PSF	- WHERE WATER INFILTRATION IS REQUIRED, POSITIVE DESIGN LOAD SHALL NOT EXCEED +70 PSF. - WATER INFILTRATION RATING REQUIRES USE OF PART #E2-0093 , SILICONE ASTRAGAL GASKET, SEE SHEET 7 - WHERE WATER INFILTRATION IS REQUIRED, AND A MINIMUM OVERHANG RATIO (OVERHANG PROJECTION:OVERHANG HEIGHT) EQUAL TO OR GREATER THAN 1 IS PRESENT, POSITIVE DESIGN LOAD SHALL NOT EXCEED +90 PSF. - WHERE WATER INFILTRATION IS NOT REQUIRED, POSITIVE DESIGN LOAD NOT TO EXCEED +90 PSF.



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TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

ELEVATIONS &
HARDWARE OPTIONS

PREPARED BY:

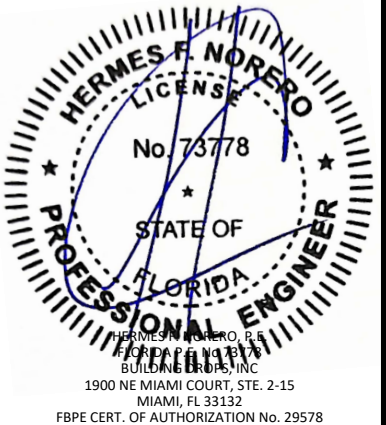
BUILDING DROPS, INC.

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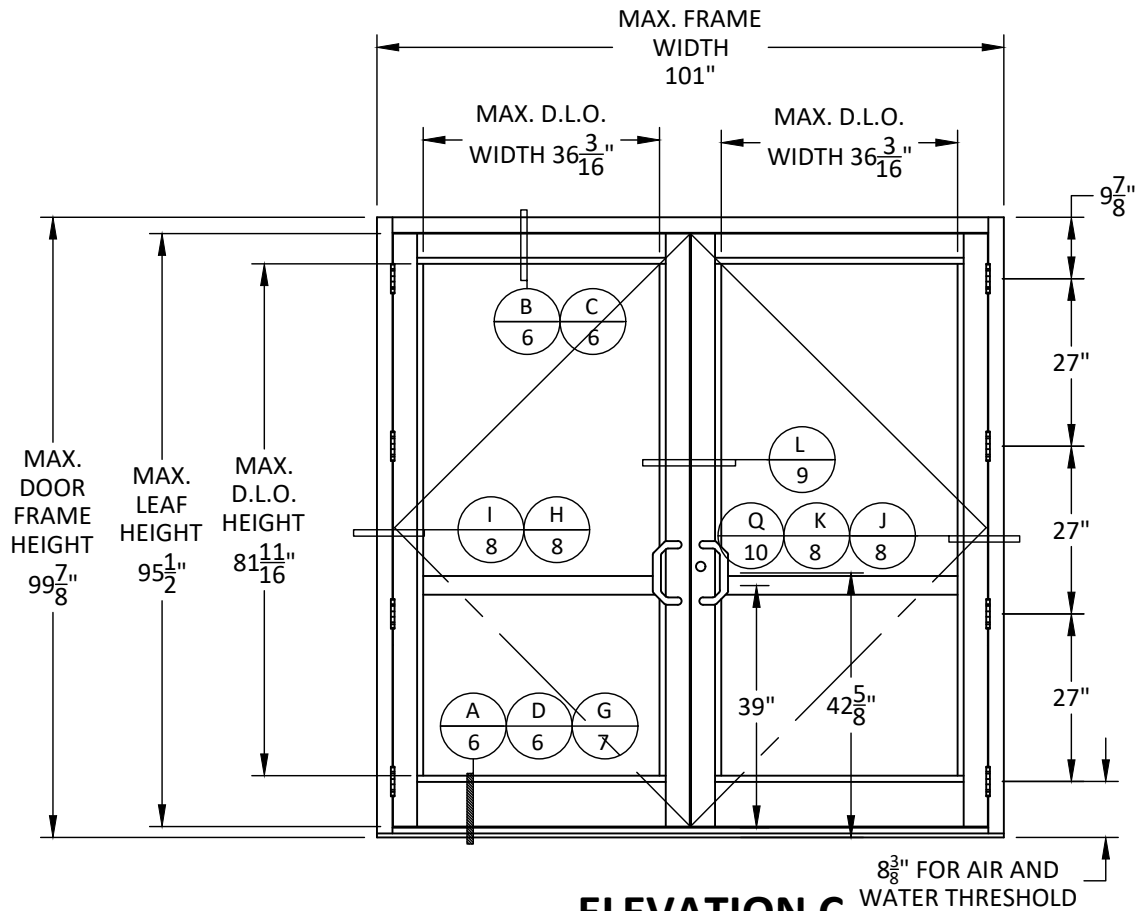
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ELEVATION C
CVR EXIT DEVICE
STANDARD DOOR FRAME

NOTE:
MONOLITHIC D.L.O. SHOWN, INSULATING SIMILAR. SEE
SHEET 1 FOR MAXIMUM PER GLASS TYPE.

ELEVATION C
QUALIFIED LOCKING HARDWARE
FIRST CHOICE FL8660 CVR EXIT DEVICE
FIRST CHOICE FL3690 CVR EXIT DEVICE

THRESHOLD WATER INFILTRATION AND DESIGN PRESSURE LIMITATIONS				
THRESHOLD DESCRIPTION	ITEM #	TYP. DETAILS	WATER TEST PRESSURE	LIMITATIONS
4 1/2" AIR TIGHT THRESHOLD	ITEM # 12	SEE TYP. DETAILS A/6	0 PSF	THRESHOLD SHALL BE USED WHERE WATER INFILTRATION RATING IS NOT REQUIRED OR WHERE WATER INFILTRATION IS REQUIRED, A MINIMUM OVERHANG RATIO (OVERHANG PROJECTION:OVERHANG HEIGHT) SHALL BE EQUAL TO OR GREATER THAN 1. POSITIVE DESIGN LOAD NOT TO EXCEED +90 PSF.
AIR/WATER RESISTANT THRESHOLD	ITEMS #24, #27, #28, & #55	SEE TYP. DETAILS D/6 & G/7	10.5 PSF	• WHERE WATER INFILTRATION IS REQUIRED, POSITIVE DESIGN LOAD SHALL NOT EXCEED +70 PSF. • WATER INFILTRATION RATING REQUIRES USE OF PART #E2-0093 , SILICONE ASTRAGAL GASKET, SEE SHEET 7 • WHERE WATER INFILTRATION IS REQUIRED, AND A MINIMUM OVERHANG RATIO (OVERHANG PROJECTION:OVERHANG HEIGHT) EQUAL TO OR GREATER THAN 1 IS PRESENT, POSITIVE DESIGN LOAD SHALL NOT EXCEED +90 PSF. • WHERE WATER INFILTRATION IS NOT REQUIRED, POSITIVE DESIGN LOAD NOT TO EXCEED +90 PSF.

QUALIFIED HINGE ASSEMBLIES	
HINGE TYPE	DESCRIPTION
BUTT HINGE	FOUR (4) HAGER BB1191 BUTT HINGES PER DOUBLE LEAF
CONTINUOUS HINGE	ONE (1) ROTON 780-226HD CONTINUOUS GEARED HINGE PER DOUBLE LEAF
CONTINUOUS HINGE	ONE (1) SELECT 27HD CONTINUOUS GEARED HINGE PER DOUBLE LEAF



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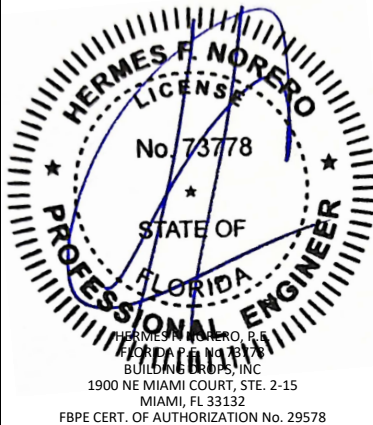
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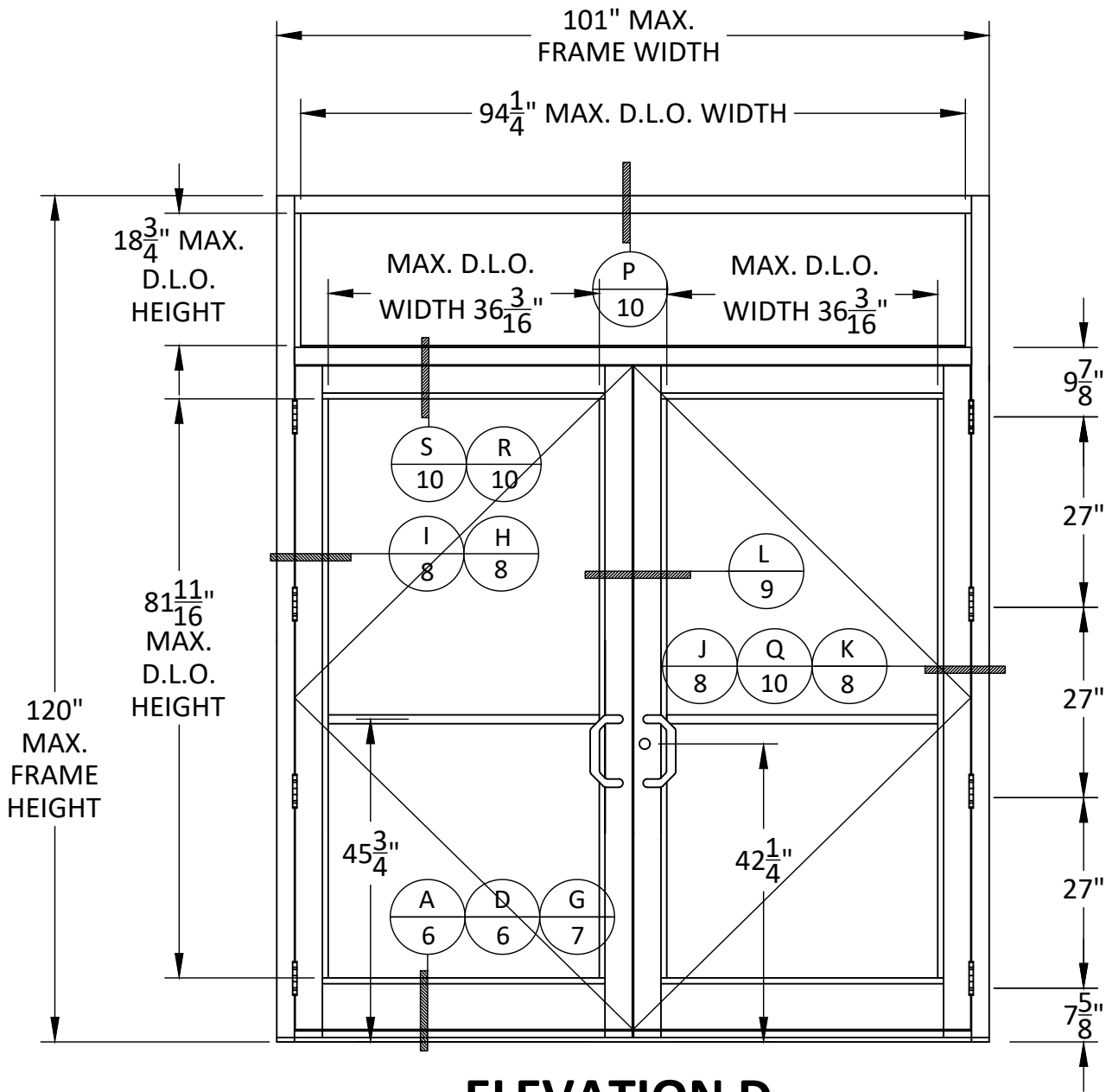
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ELEVATION D
DOUBLE DOOR WITH TRANSOM

ELEVATION D	
QUALIFIED LOCKING HARDWARE	DESIGN PRESSURE
SEE ELEVATIONS A-C FOR ALLOWABLE LOCKING HARDWARE SYSTEMS.	*NOT TO EXCEED +70/-90 PSF

- *ELEVATION D NOTES:
- FOR TRANSOM MULLION DETAIL R/10.
 - DESIGN PRESSURE NOT TO EXCEED +70/-70 PSF WHEN INSULATED LAMINATED GLAZINGS ARE UTILIZED (MULL ITEM# 31).
 - LESSER DESIGN PRESSURE OF THOSE STATED ABOVE (1.A) OR THOSE FOUND ON SHEET 1 SHALL GOVERN.
 - FOR TRANSOM MULLION DETAIL S/10.
 - DESIGN PRESSURE NOT TO EXCEED +70/-90 PSF WHEN INSULATED LAMINATED GLAZINGS ARE UTILIZED (MULL ITEM# 73).
 - LESSER DESIGN PRESSURE OF THOSE STATED ABOVE (2.A) OR THOSE FOUND ON SHEET 1 SHALL GOVERN.
 - LESSER DESIGN PRESSURE OF THAT SHOWN IN TABLE ABOVE, OR THAT INDICATED IN CORRESPONDING TABLE FOR HARDWARE SHALL GOVERN.
 - MAX. DOOR SIZES FOR A GIVEN HARDWARE AS INDICATED IN ELEVATIONS A-D SHALL GOVERN MAX. SIZE OF ASSEMBLY. ASSEMBLY IS TO NOT EXCEED DIMENSIONS AS SHOWN IN ELEVATION E.

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TITLE: SERIES 50H ALUMINUM OUTSWING ENTRANCE DOOR (HVHZ) (MISSILE LEVEL E IMPACT RATED) ELEVATIONS & HARDWARE OPTIONS

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1900 NE MIAMI COURT, STE. 2-15
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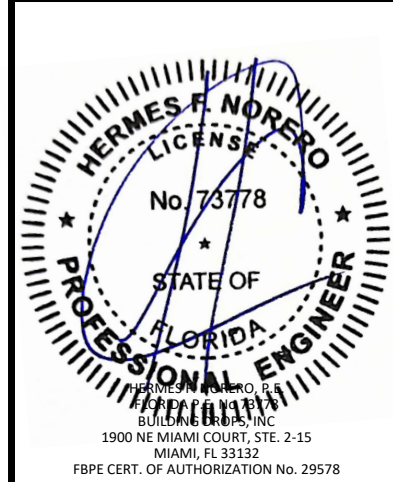
ANCHOR LAYOUTS

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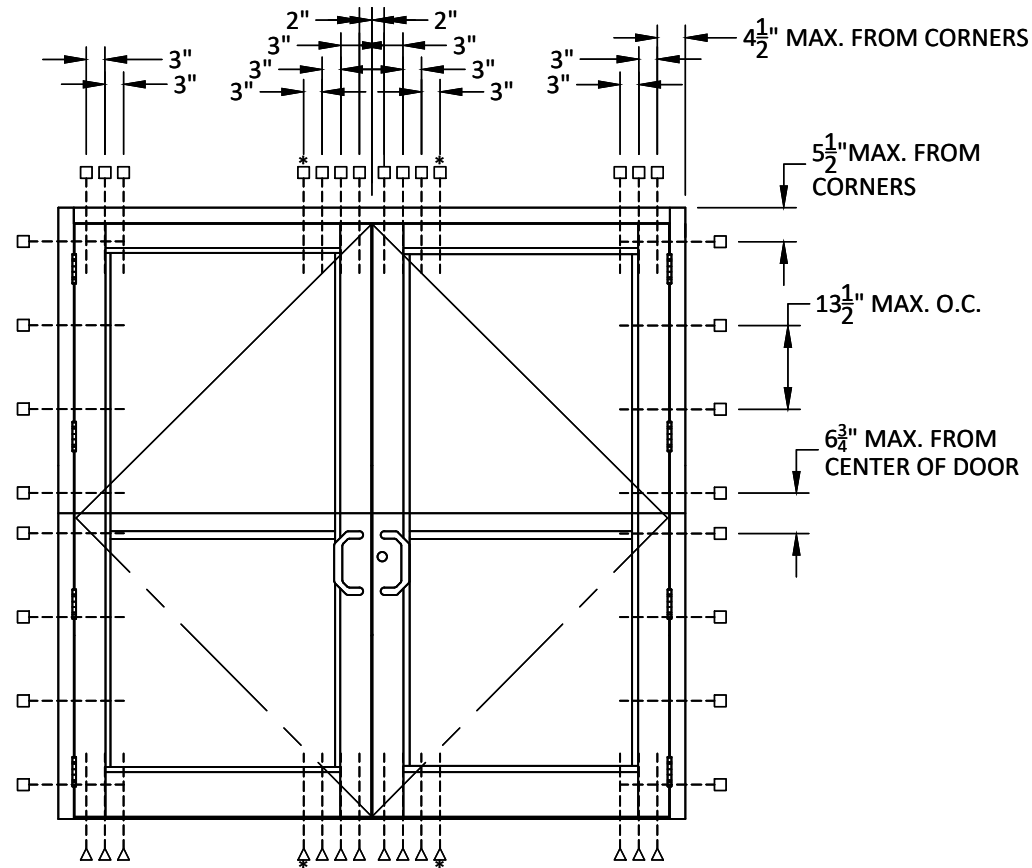
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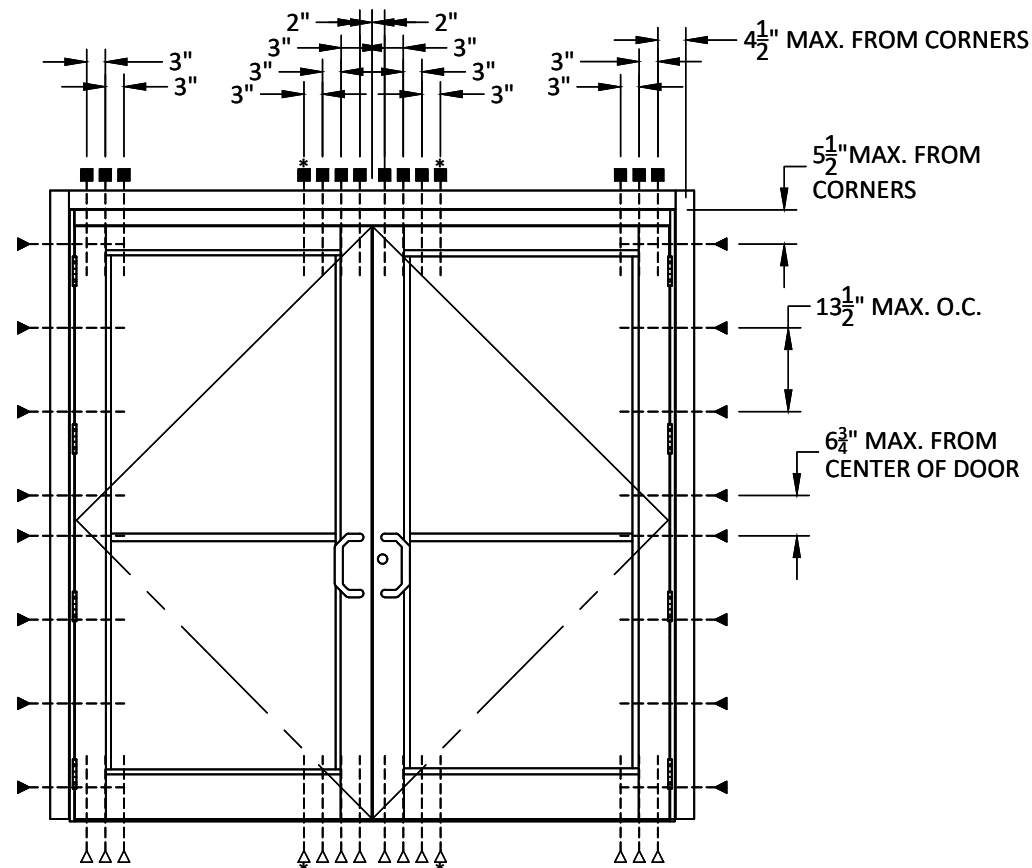


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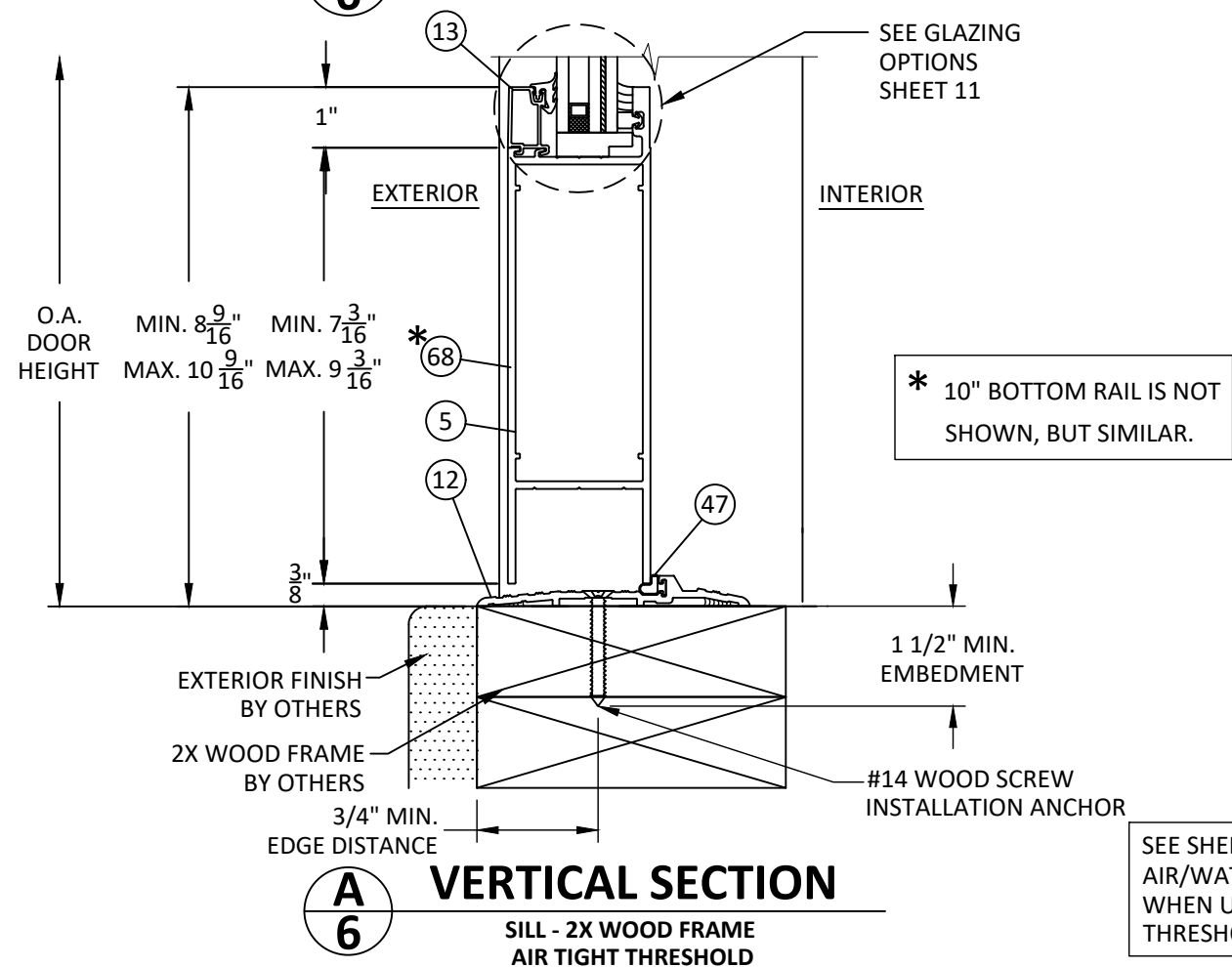
**ANCHOR LAYOUT
FOR ELEVATION A**

*TWO (2) LESS ANCHORS ARE REQUIRED AT
HEAD & SILL FOR DESIGN PRESSURES OF +/-
60 PSF OR LESS.

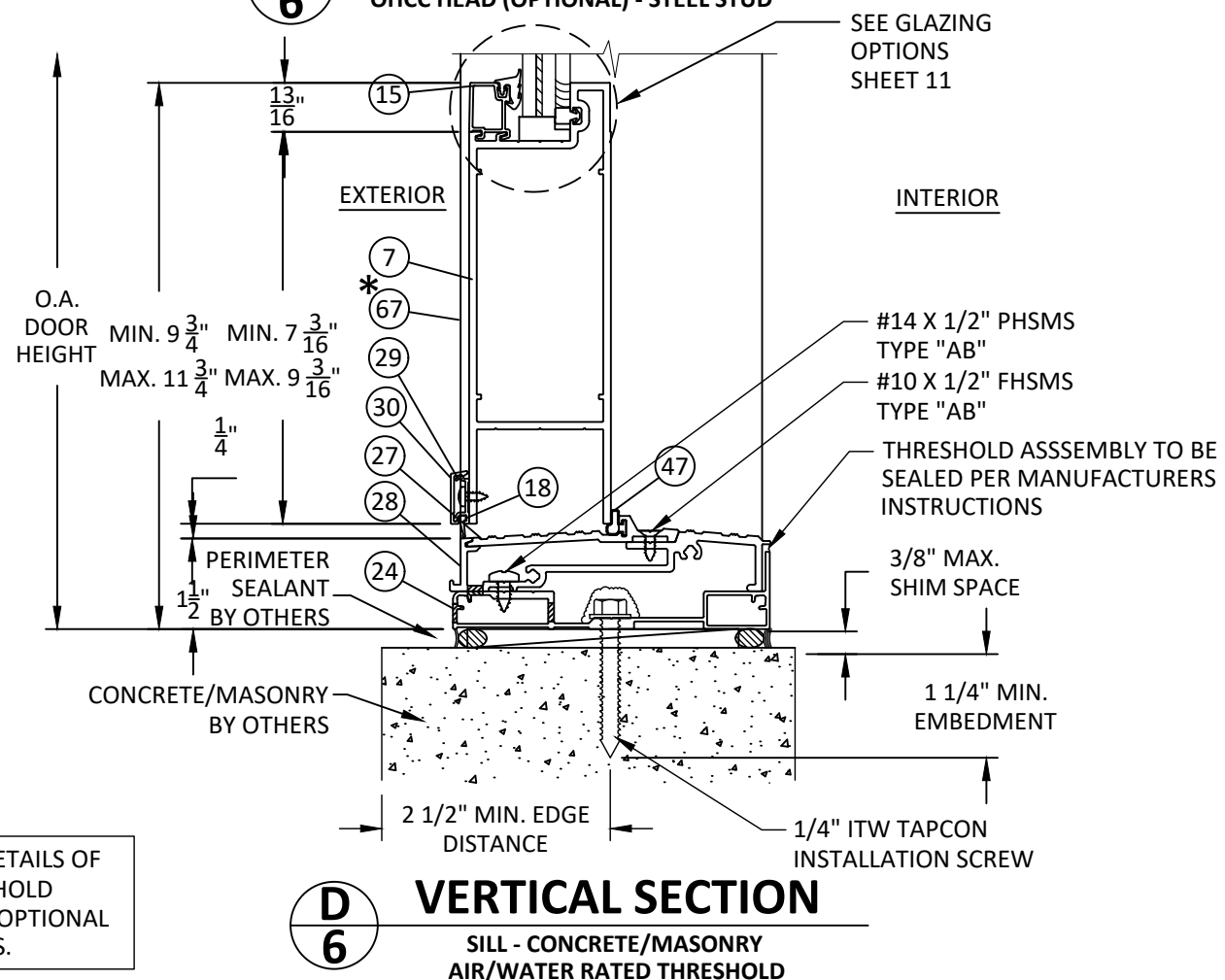


**ANCHOR LAYOUT
FOR ELEVATION B**

NOTE: ANCHORAGE OF CURTAINWALL
MULLIONS UNDER SEPARATE APPROVAL



SEE SHEET 7 FOR DETAILS OF
AIR/WATER THRESHOLD
WHEN USED WITH OPTIONAL
THRESHOLD RAMPS.



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SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
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VERTICAL SECTIONS 1

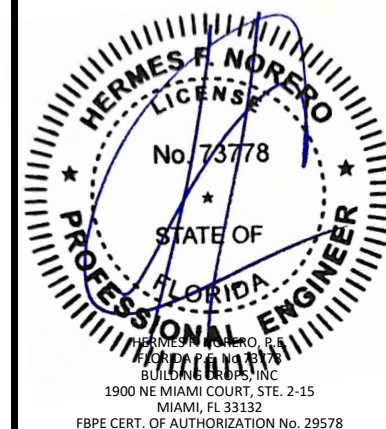
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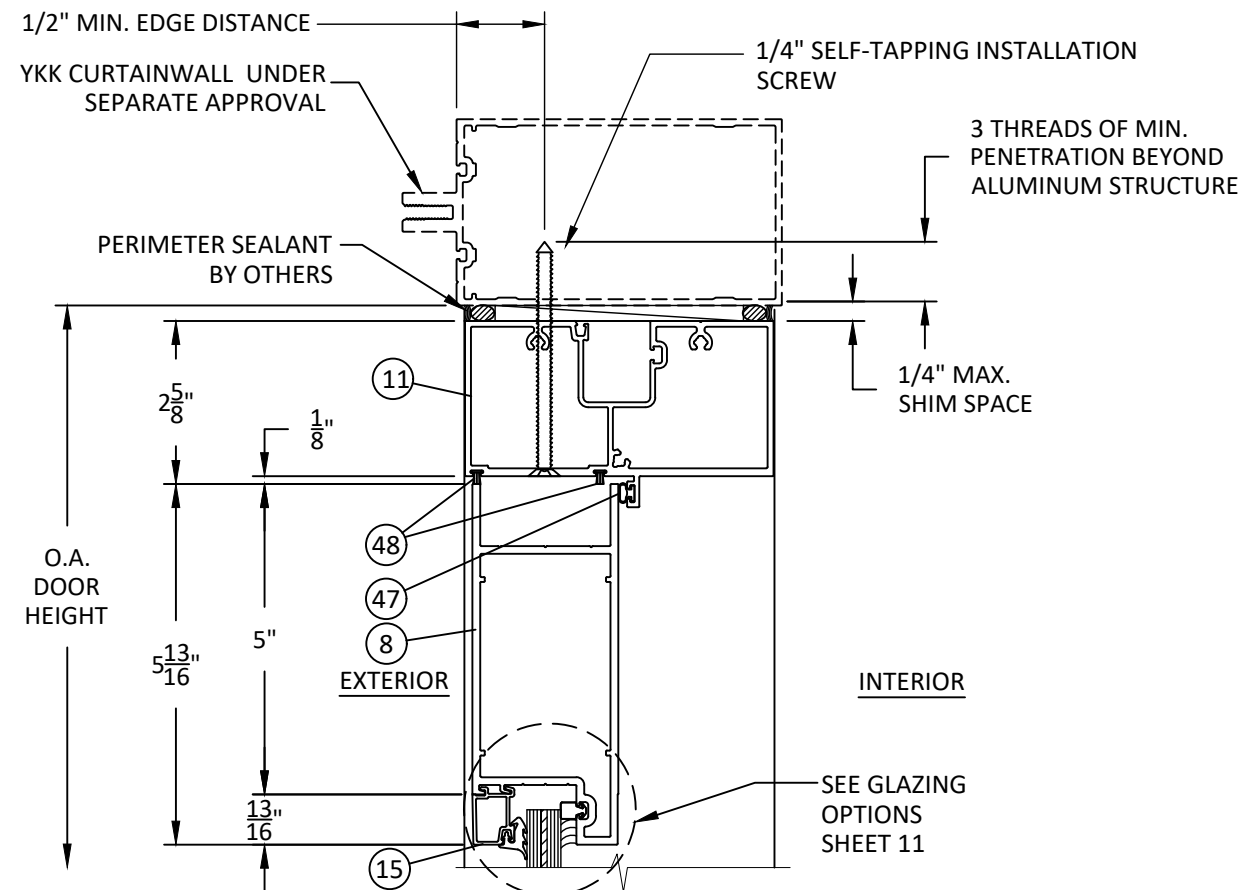
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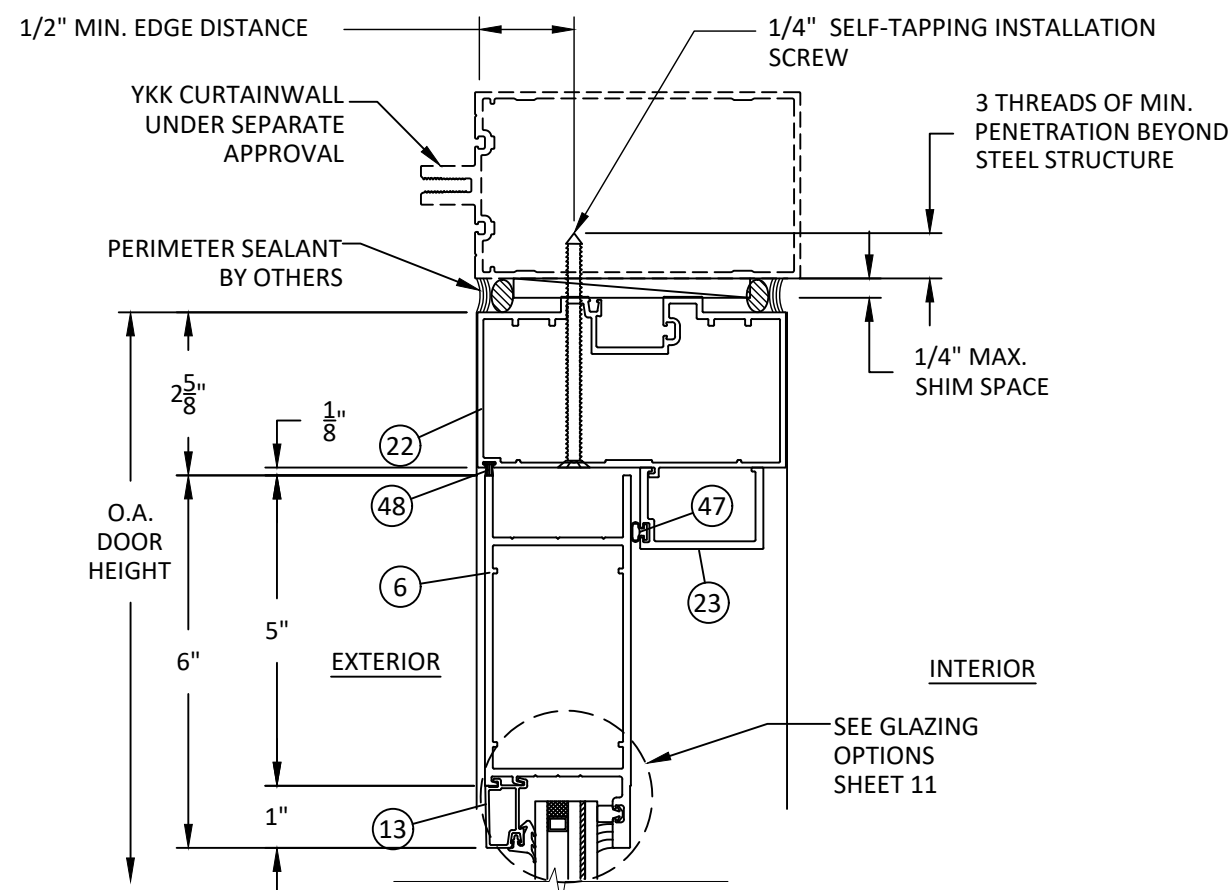
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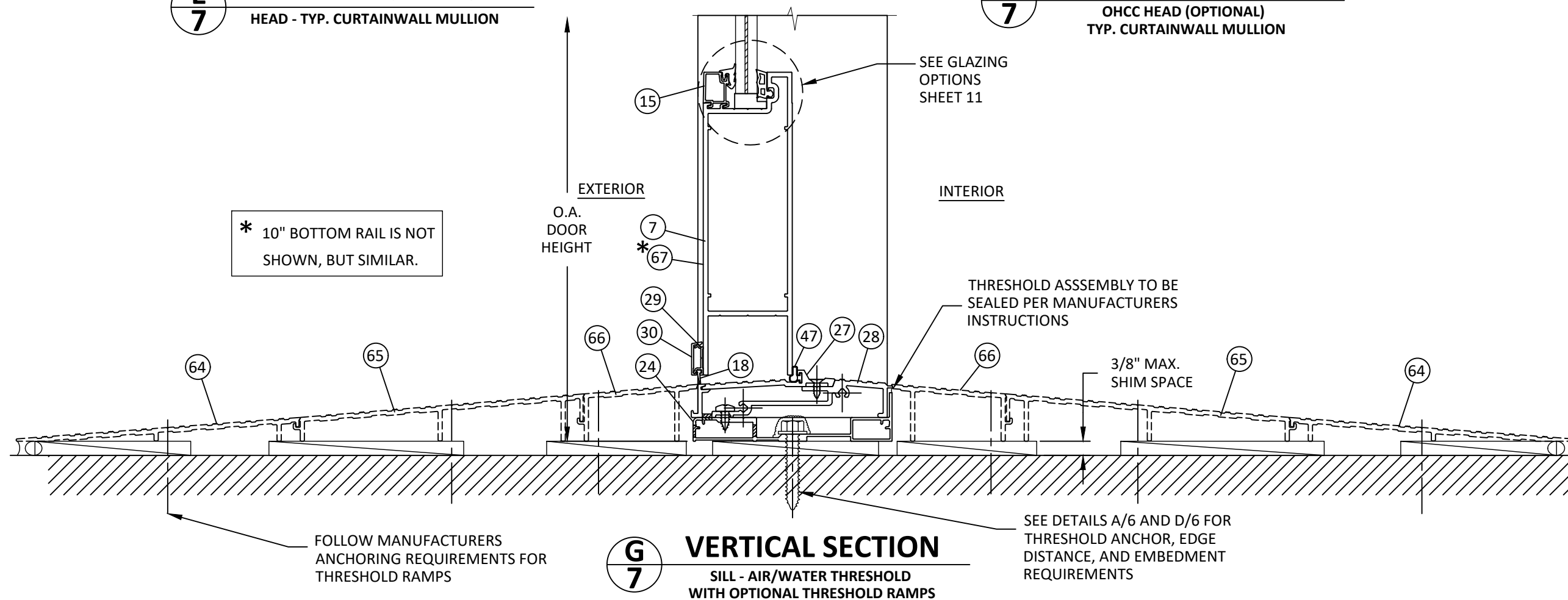
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E
7 **VERTICAL SECTION**
HEAD - TYP. CURTAINWALL MULLION



F
7 **VERTICAL SECTION**
OHCC HEAD (OPTIONAL)
TYP. CURTAINWALL MULLION



G
7 **VERTICAL SECTION**
SILL - AIR/WATER THRESHOLD
WITH OPTIONAL THRESHOLD RAMPS



YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

VERTICAL SECTIONS 2

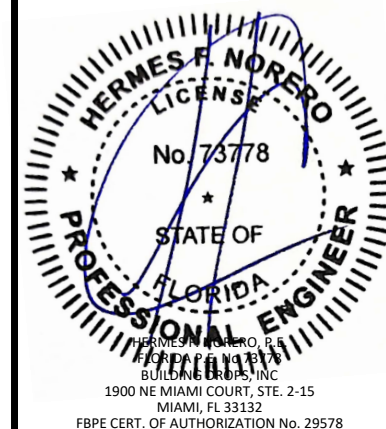
PREPARED BY:
BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HARDWARE UPDATE	SH	9/13/22
2026 CODE UPDATE	SH	7/31/26

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FL #:
FL16554

DATE: **09.17.18**

DWG. BY: **HR** CHK. BY: **HFN**

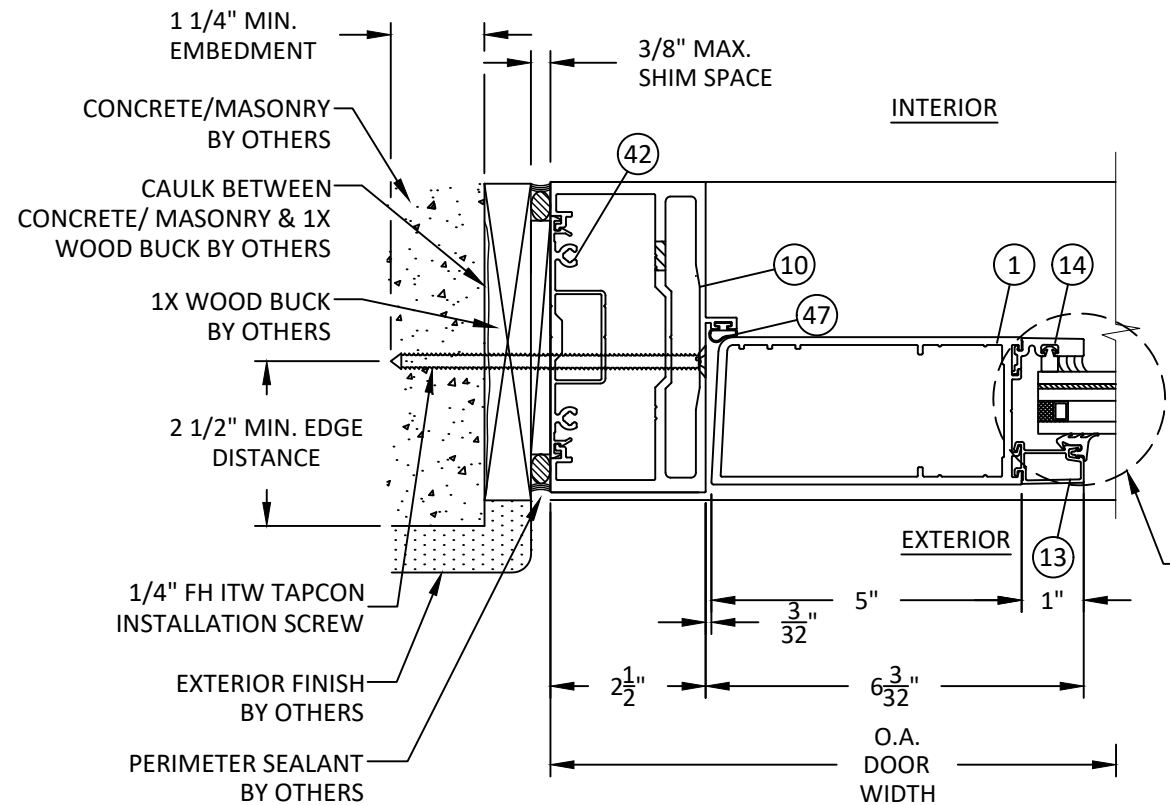
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DWG. #: **YKK158**

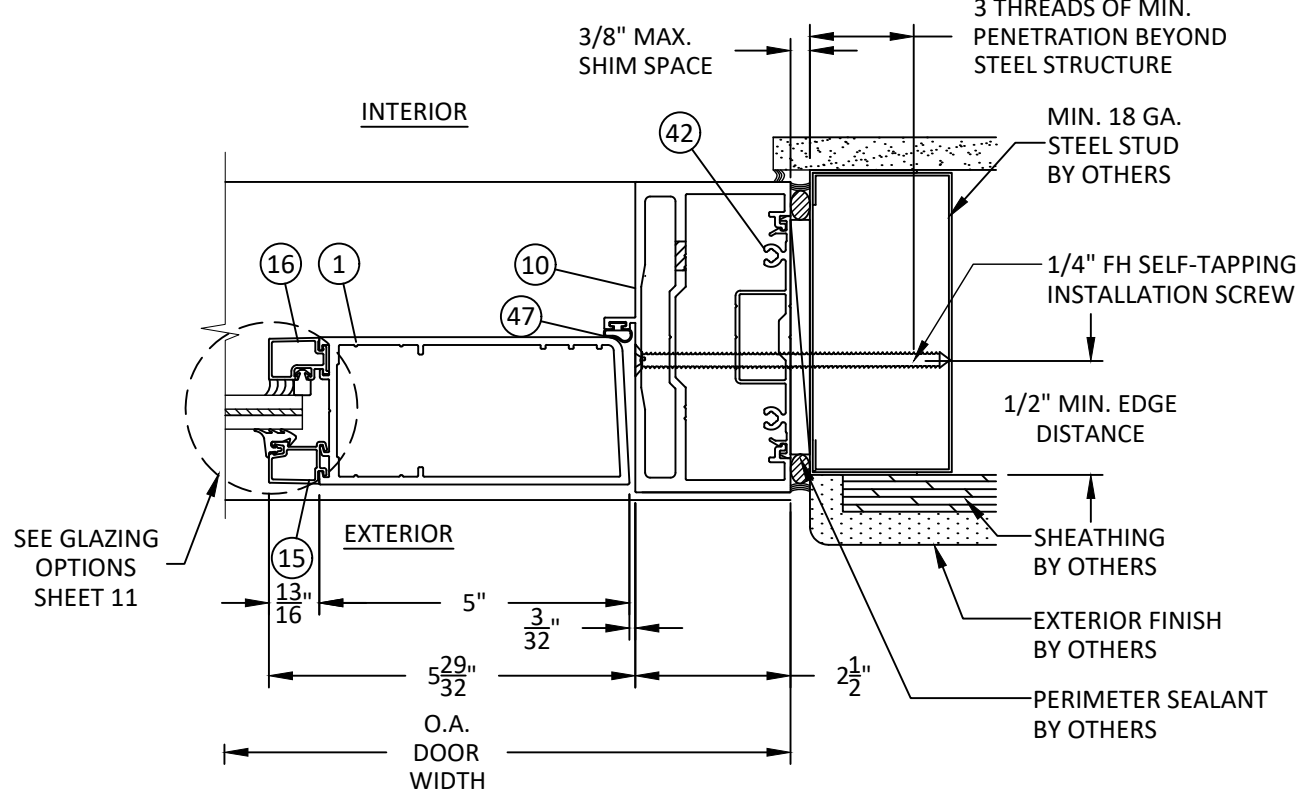
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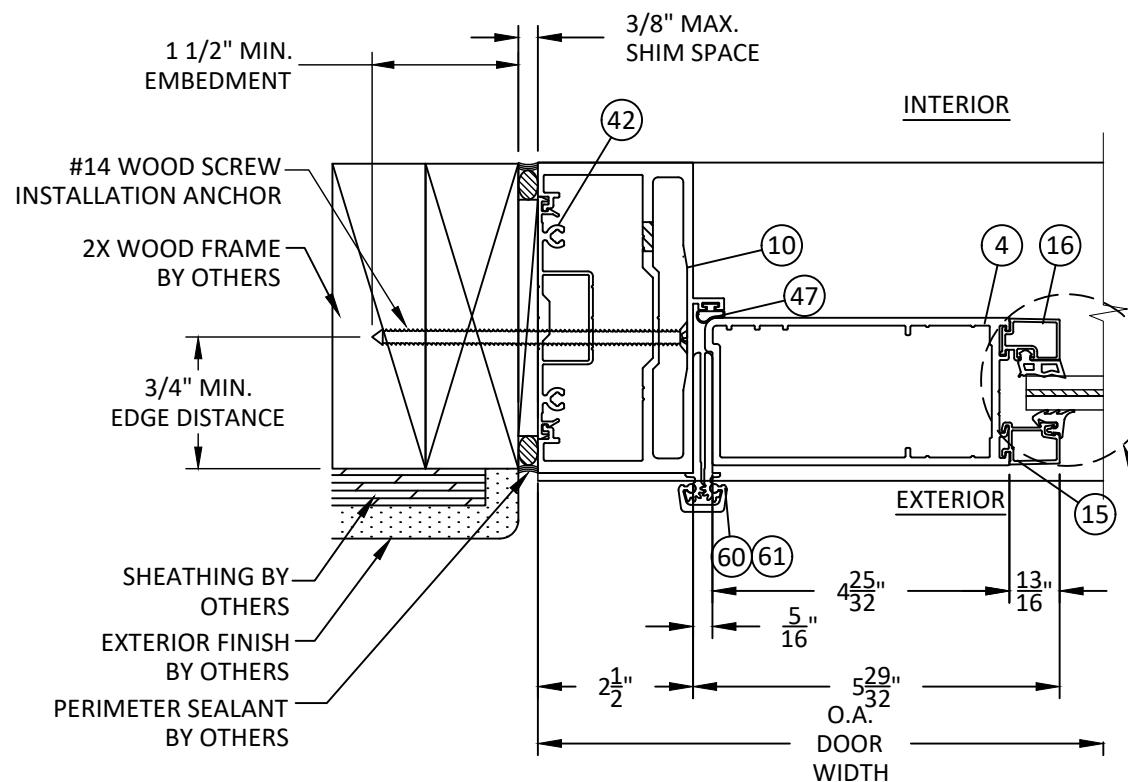
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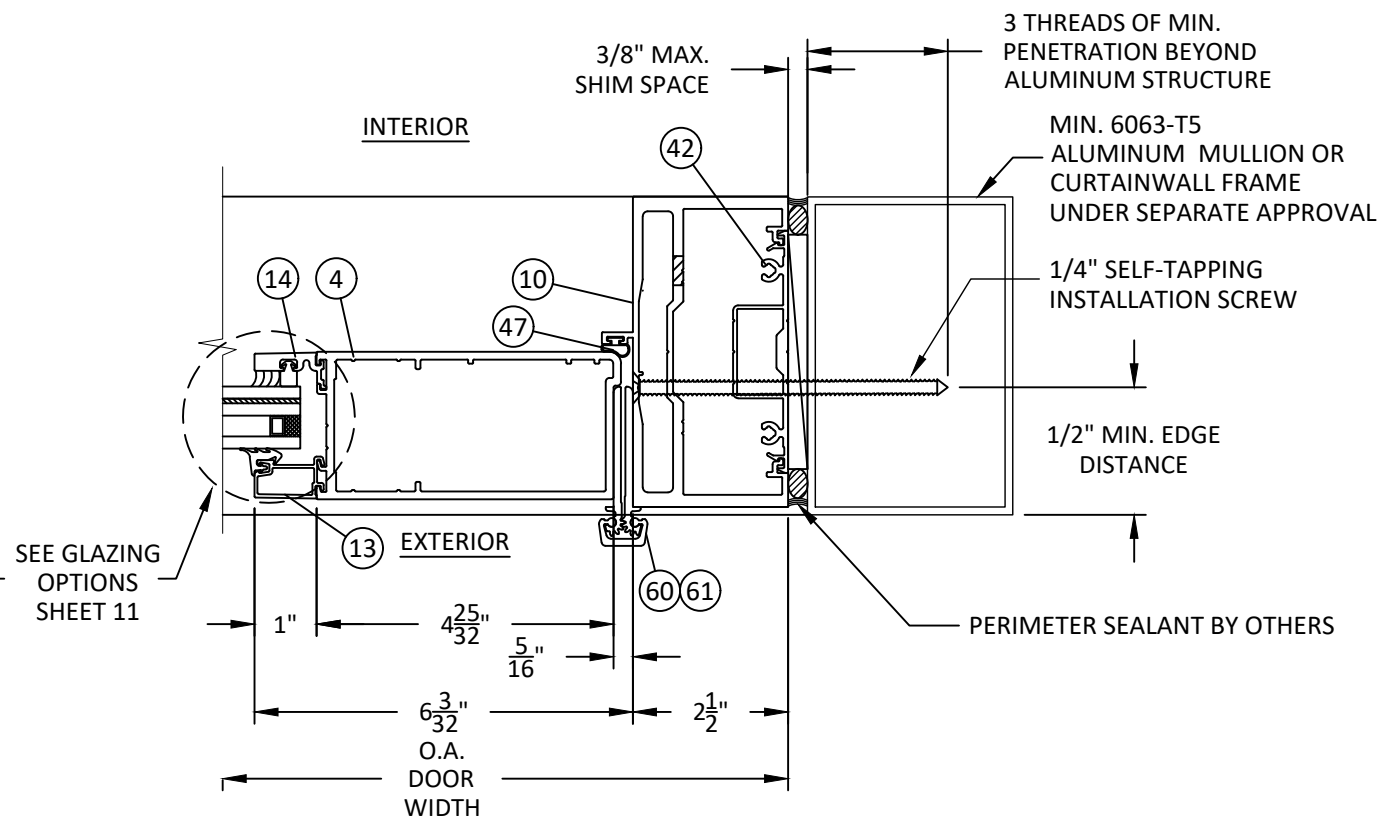
I HORIZONTAL SECTION
8 JAMB - CONCRETE/MASONRY



J HORIZONTAL SECTION
8 JAMB - STEEL STUD



H HORIZONTAL SECTION
8 JAMB - 2XWOOD FRAME
CONTINUOUS HINGE



K HORIZONTAL SECTION
8 JAMB - ALUMINUM STUD
CONTINUOUS HINGE



YKK AP America Inc.
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TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

HORIZONTAL SECTIONS 1

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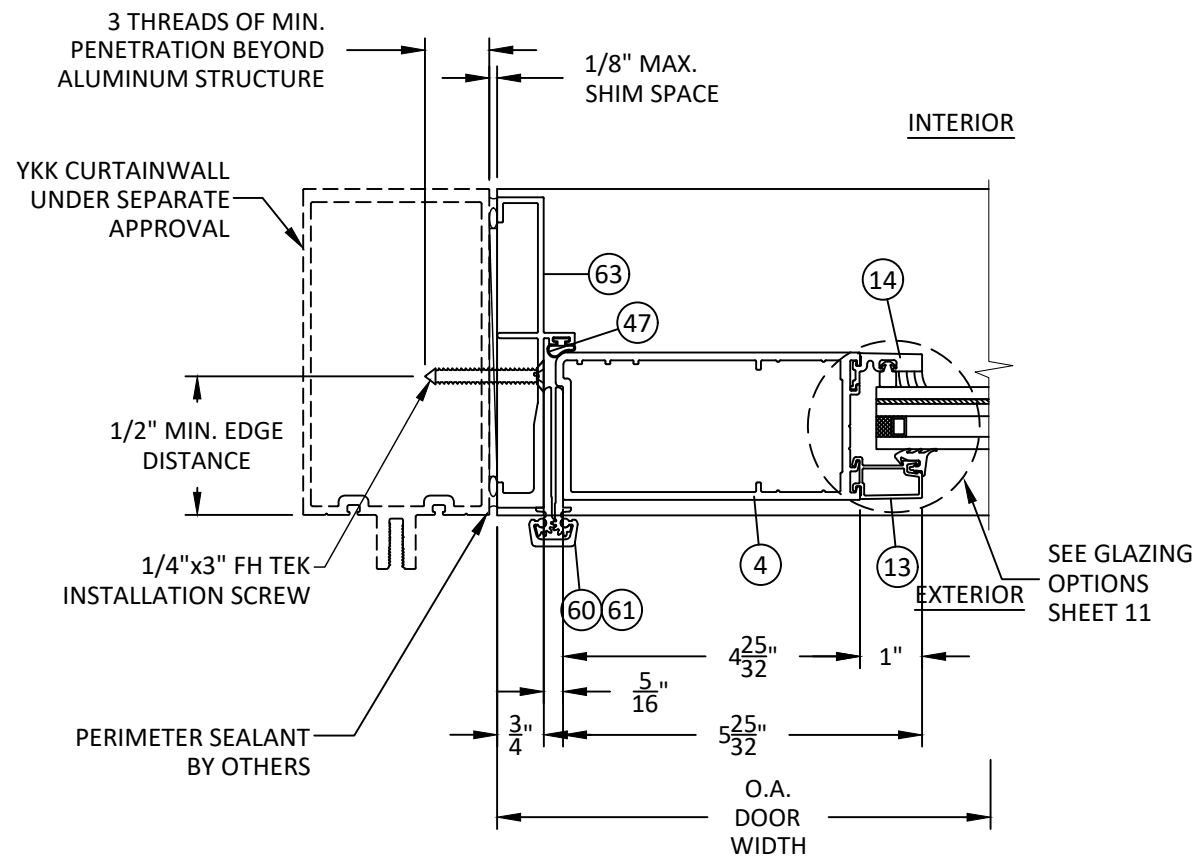
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DWG. #: **YKK158**

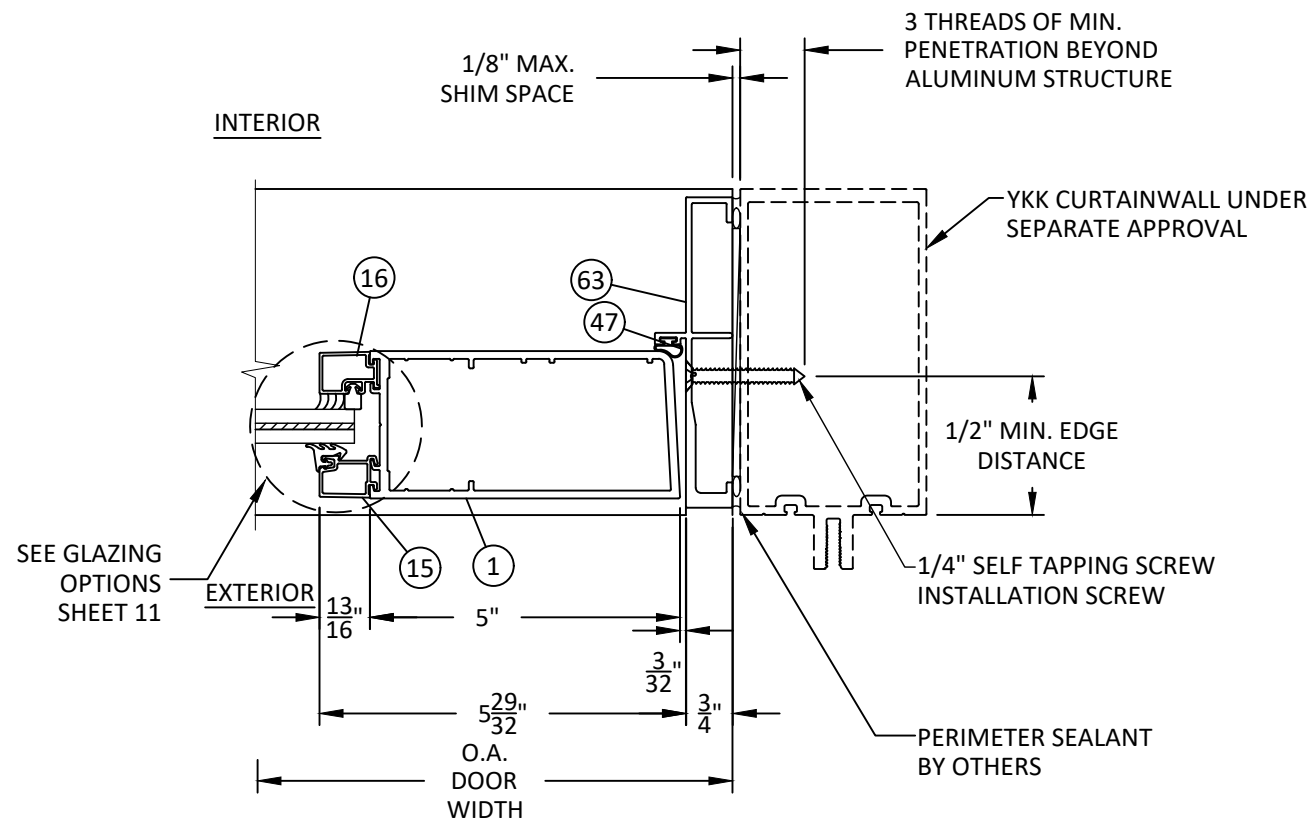
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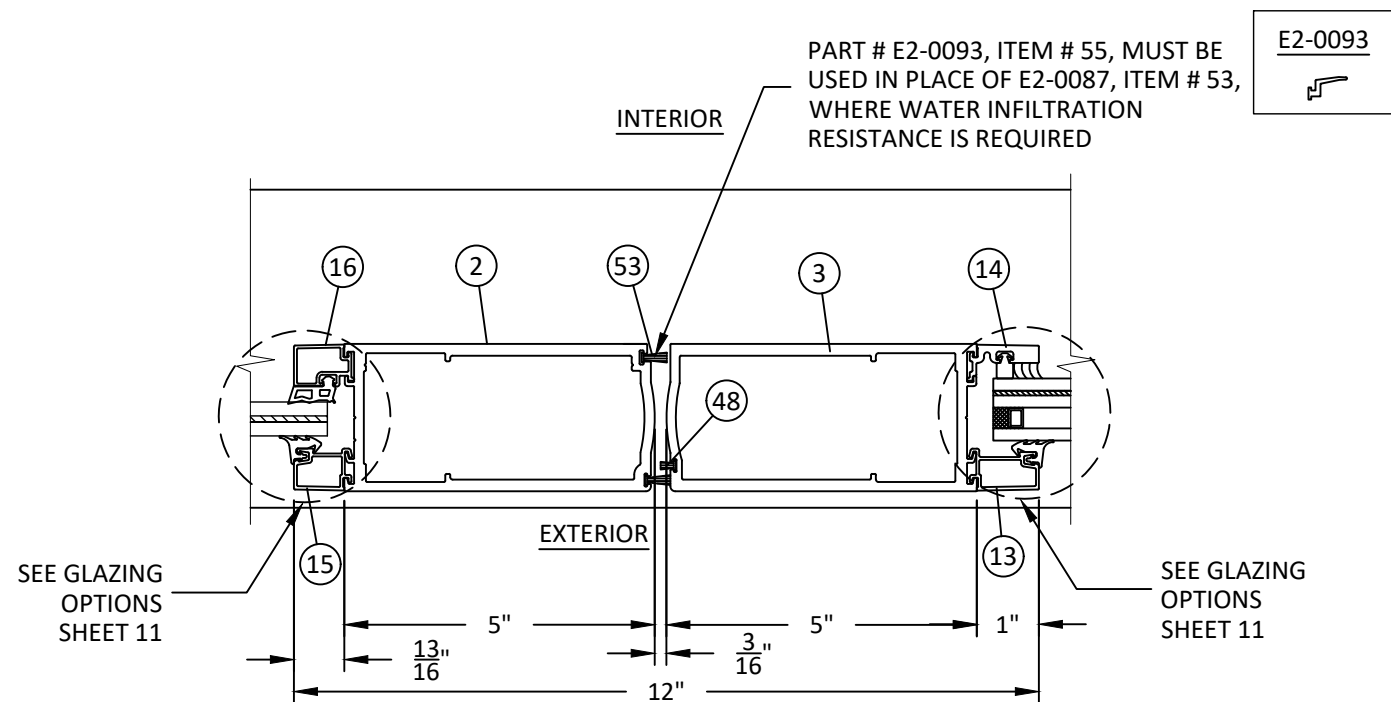
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M9 HORIZONTAL SECTION
JAMB - TYP. CURTAINWALL MULLION
CONTINUOUS HINGE



N9 HORIZONTAL SECTION
JAMB - TYP. CURTAINWALL MULLION



L9 HORIZONTAL SECTION
MEETING STILES

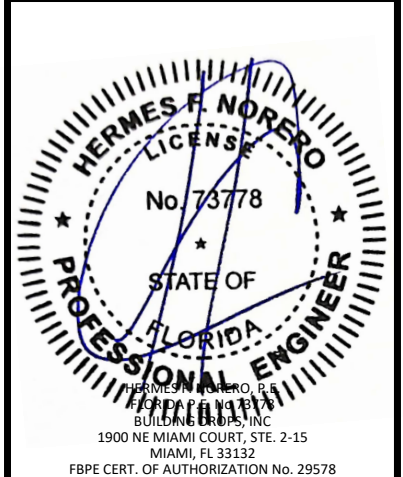


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ATLANTA, GA 30303
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TITLE: SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)
HORIZONTAL SECTIONS 2
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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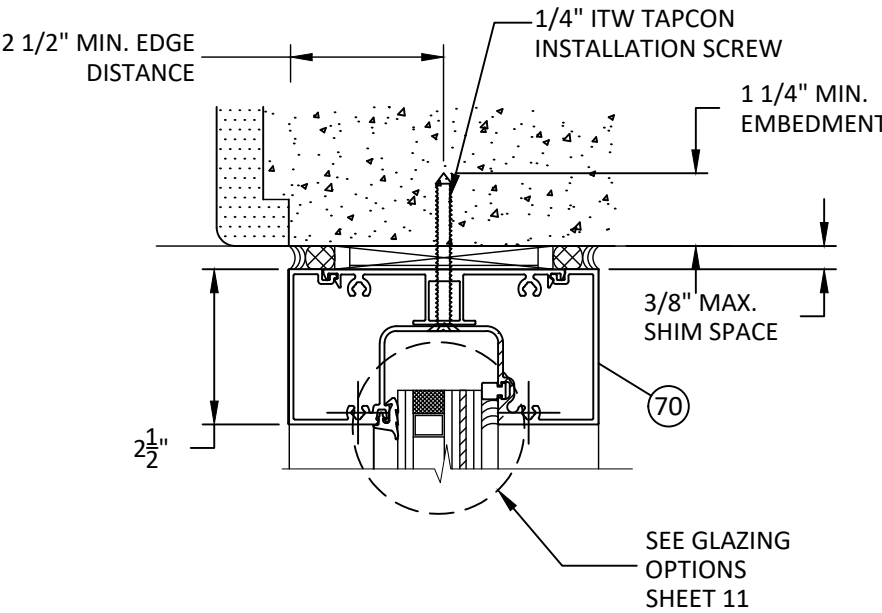
REMARKS	BY	DATE
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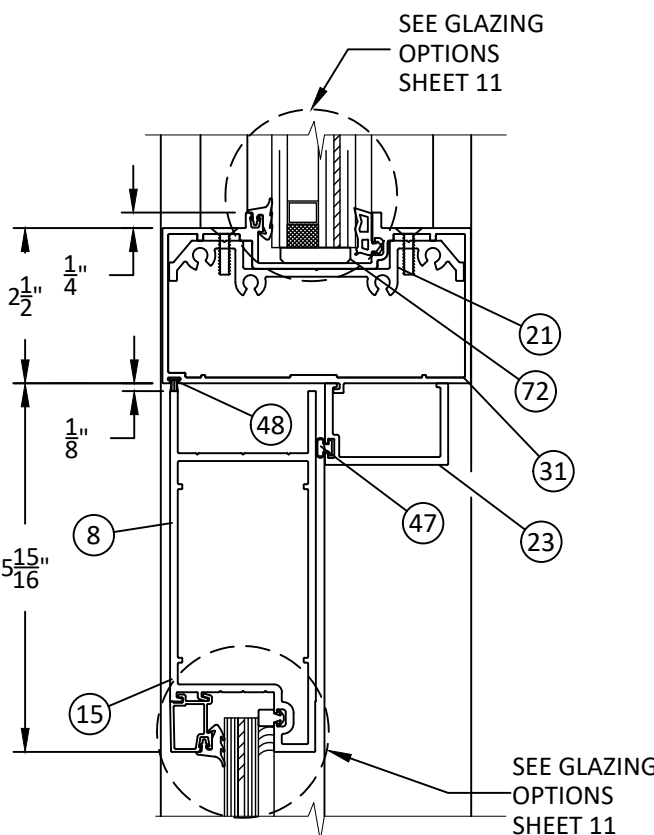


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DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK158
SHEET:	9
REV.	B

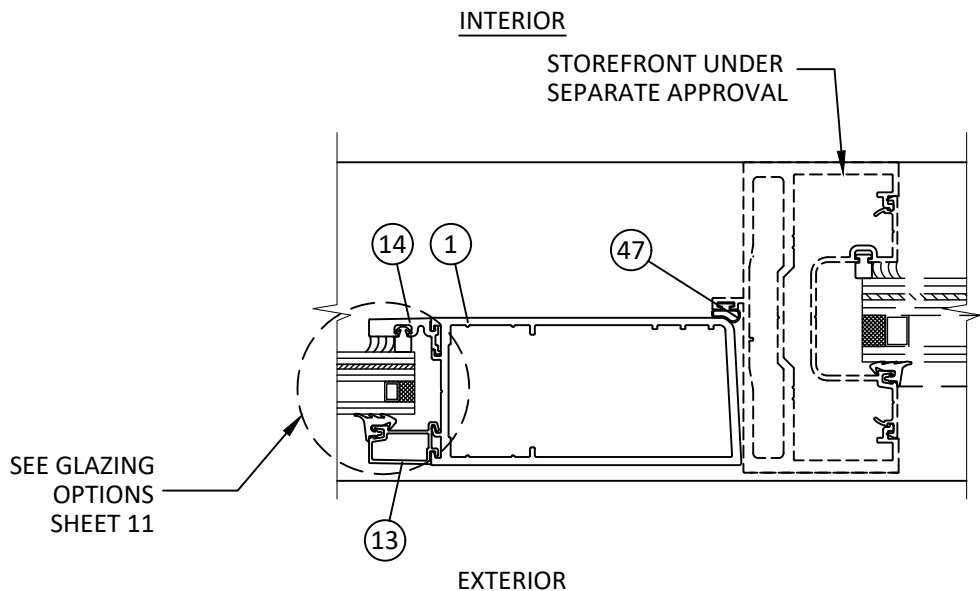
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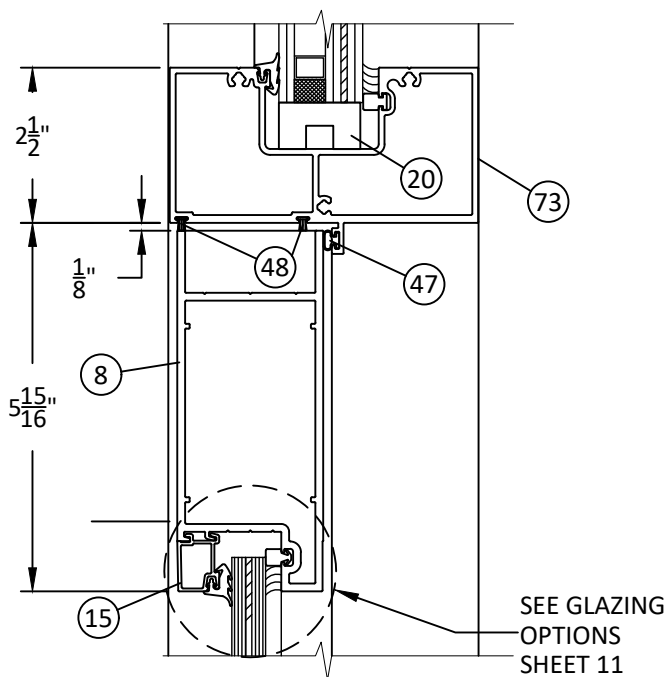
P
10 **VERTICAL SECTION**
TRANSOM HEADER



R
10 **VERTICAL SECTION**
OHCC MULLION
SEE SHEET 4 FOR DP LIMITATIONS



Q
10 **HORIZONTAL SECTION**
VERTICAL MULLION
STOREFRONT SYSTEM



S
10 **VERTICAL SECTION**
STANDARD TRANSOM MULLION
SEE SHEET 4 FOR DP LIMITATIONS

YKK AP Quality inspires

YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: SERIES 50H ALUMINUM OUTSWING ENTRANCE DOOR (HVHZ) (MISSILE LEVEL E IMPACT RATED)

TRANSOM DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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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 COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL16554

DATE: **09.17.18**

DWG. BY: **HR**

CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK158**

SHEET: **10**

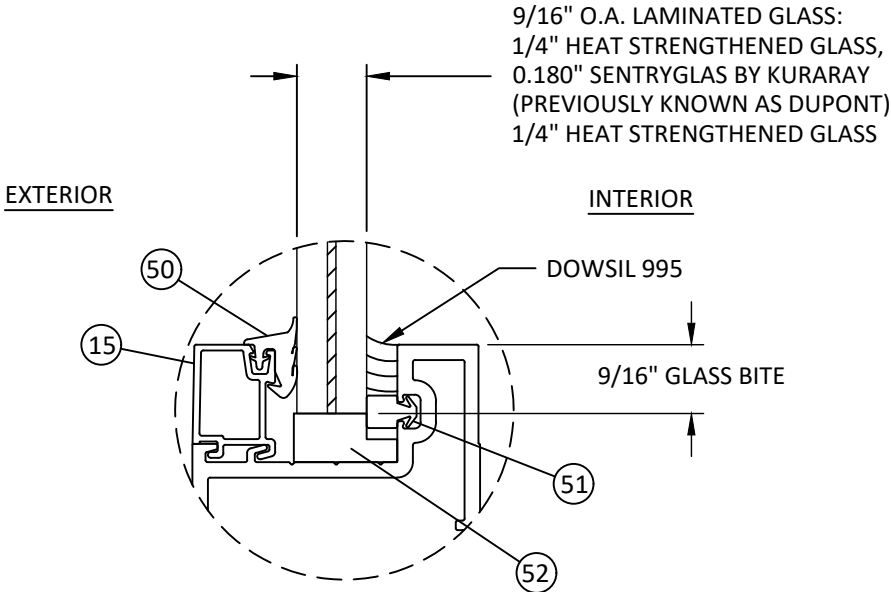
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OF 16

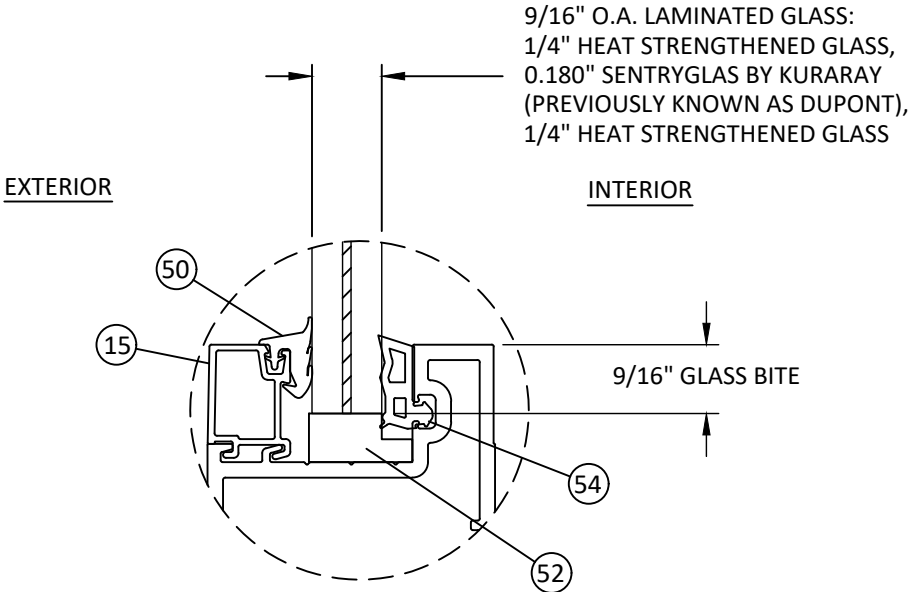
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MISSILE LEVEL E GLASS TYPES

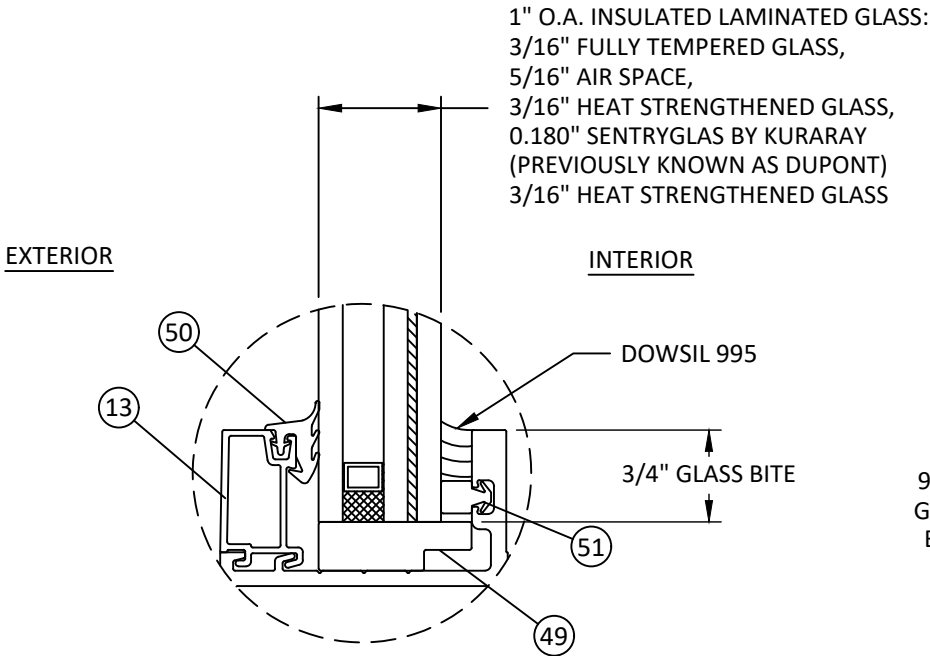
LARGE & SMALL MISSILE IMPACT



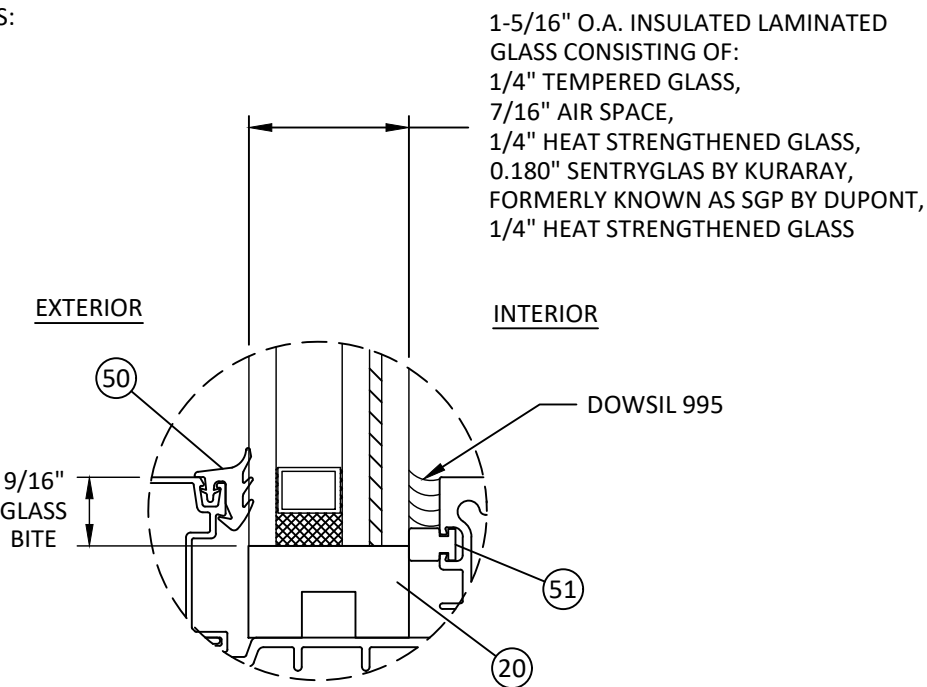
GLAZING DETAIL A
(WET GLAZED)



GLAZING DETAIL A
(DRY GLAZED)



GLAZING DETAIL A1
(WET GLAZED)



GLAZING DETAIL D
(WET GLAZED)
TRANSOM ONLY

- GLAZING NOTES:
- GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, 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 IN GLASS CHARTS.

AIR SPACE CONSISTING OF :
- SPACER: ALUMINUM BOX SPACER.
- PRIMARY SEALANT: POLYISOBUTYLENE (PIB).
- SECONDARY SEALANT: STRUCTURAL SILICONE
INTENDED FOR FABRICATION OF INSULATING
GLASS UNITS.

YKK
ap

Quality
inspires™

YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

GLAZING OPTIONS

PREPARED BY:

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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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BD
BUILDING DROPS

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BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
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HR

CHK. BY:
HFN

SCALE:
NTS

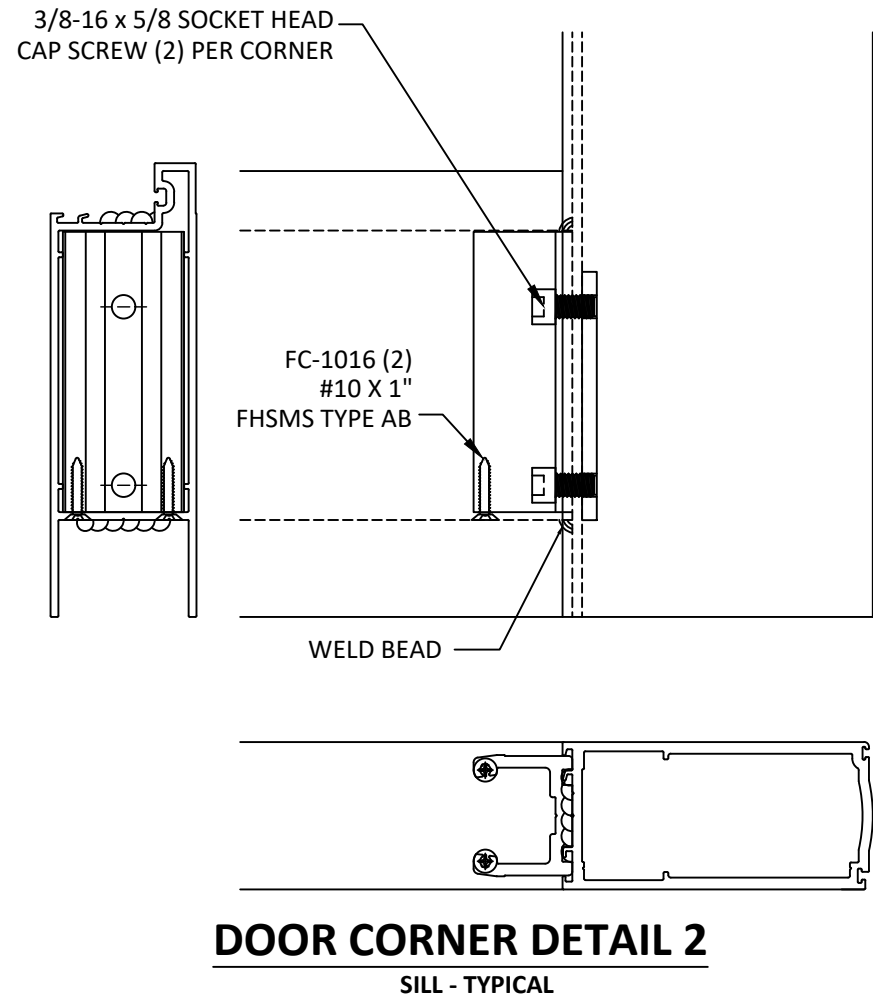
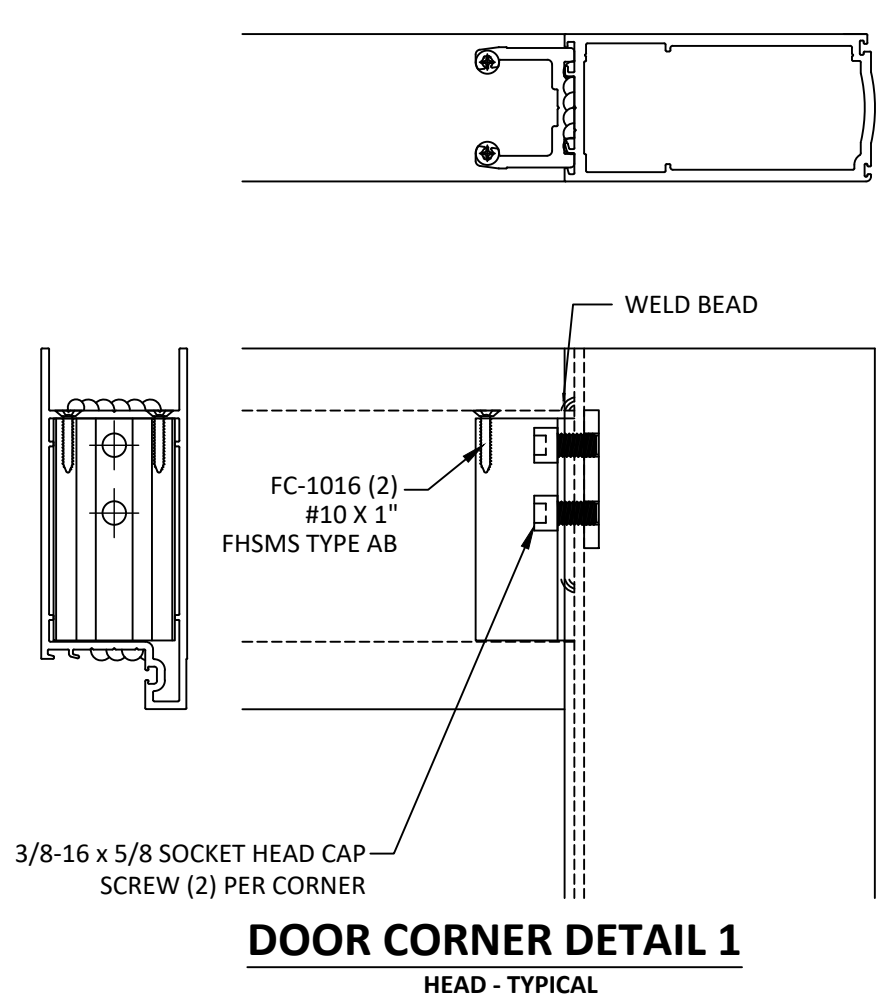
DWG. #:
YKK158

SHEET:
11

REV.
B

OF 16

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YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
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TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

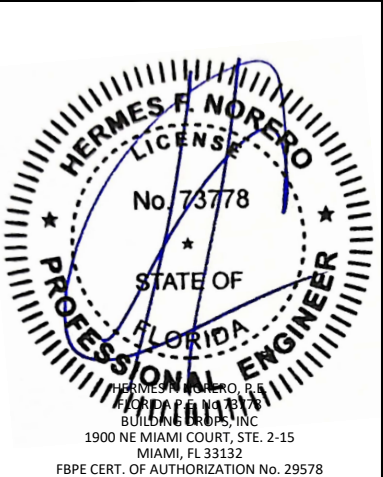
DOOR CORNER DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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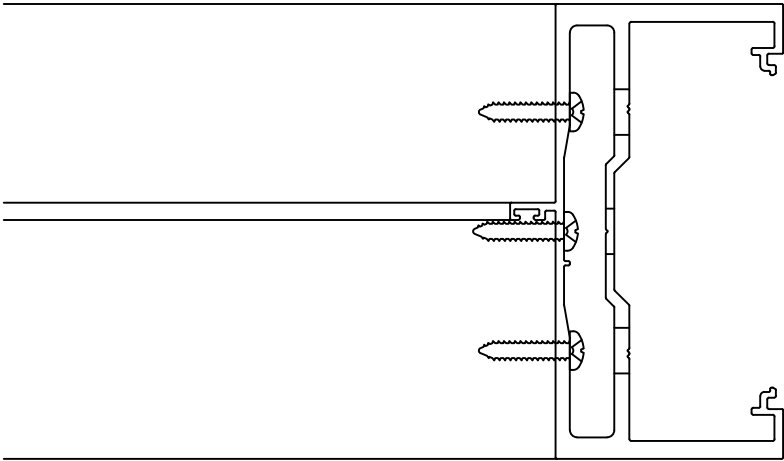
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YKK158

SHEET:
12

REV.
B

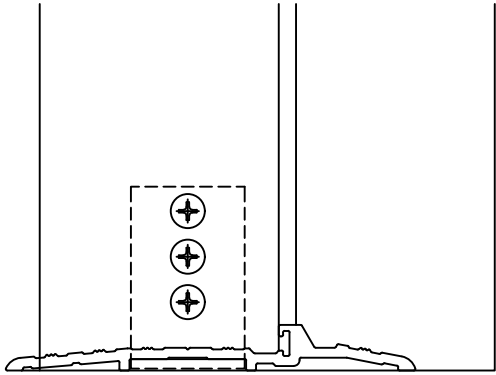
OF 16

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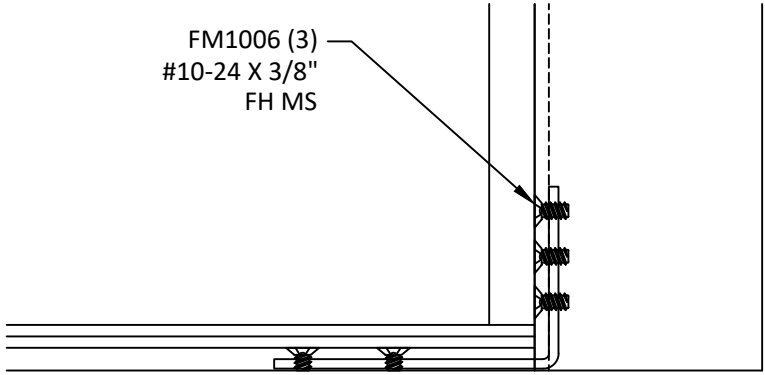
FRAME CORNER DETAIL 1

HEAD - TYPICAL

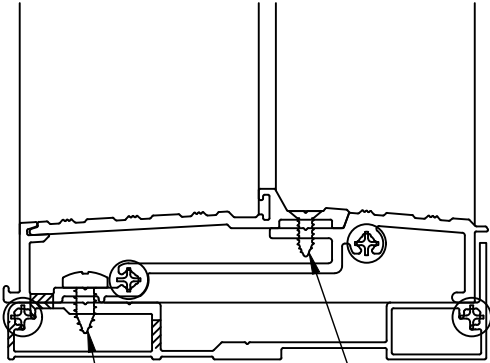


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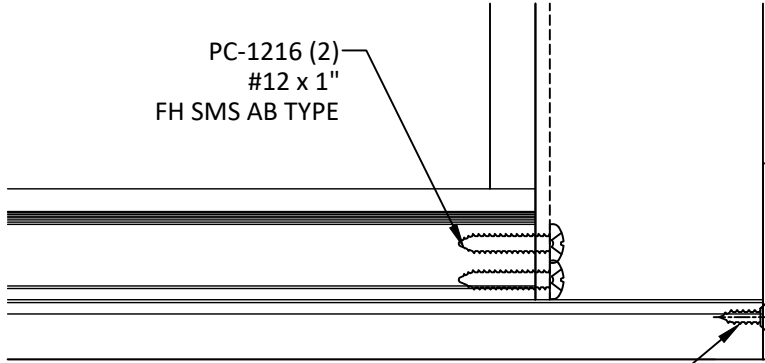
SILL - TYPICAL



FM1004 (2)
#10-24 X 1/4"
FH MS



PC-1216 (2)
#12 x 1"
FH SMS AB TYPE



UA-1212 (2)
#12 x 3/4"
UFH SMS TYPE A

#10 X 1/2" FHSMS
TYPE "AB"

#14 X 1/2" PHSMS
TYPE "AB"

FRAME CORNER DETAIL 3

SILL - AIR AND WATER RESISTANT THRESHOLD



YKK AP America Inc.
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TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

FRAME CORNER DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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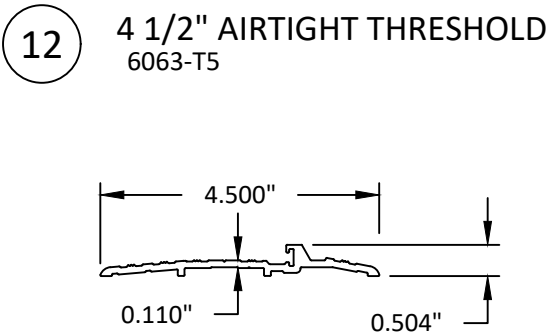
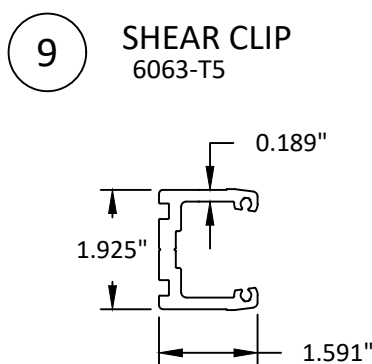
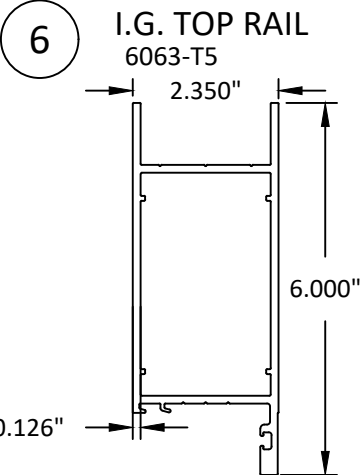
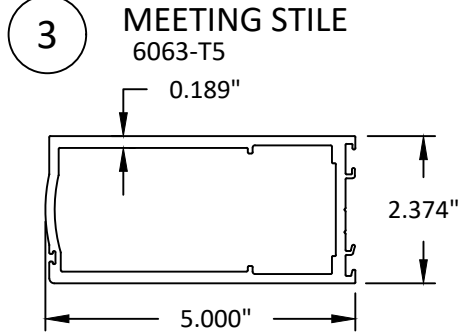
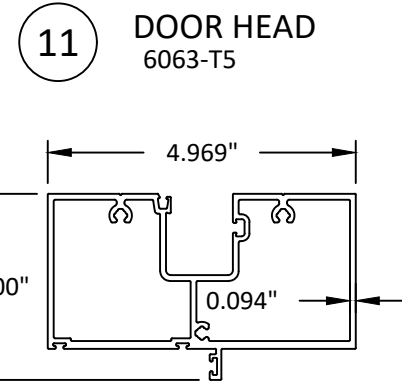
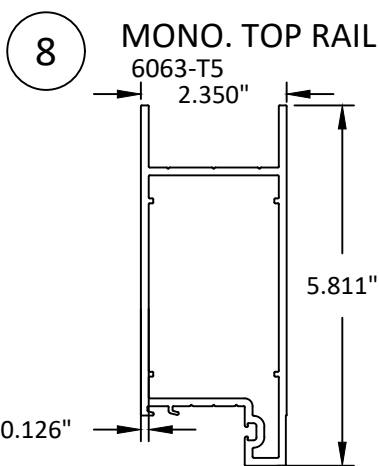
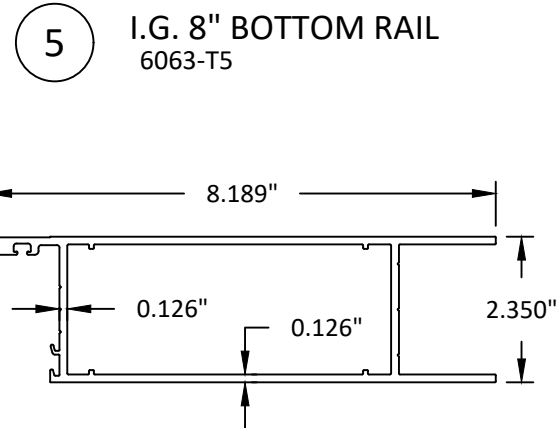
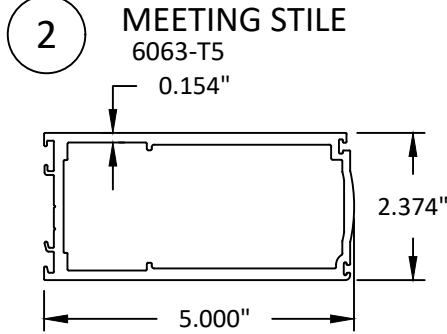
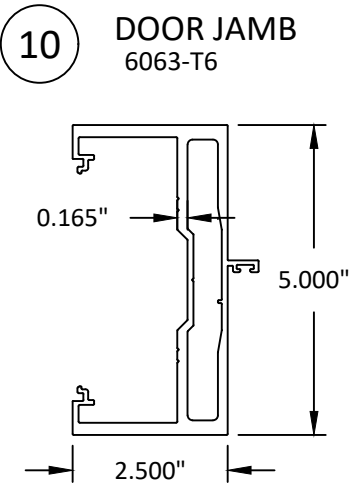
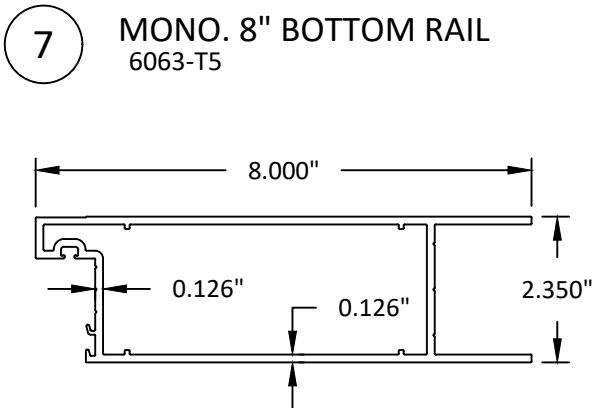
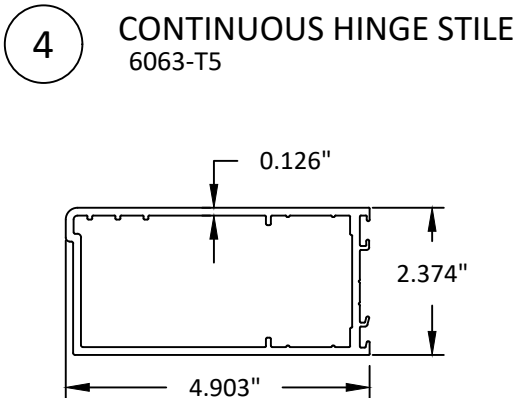
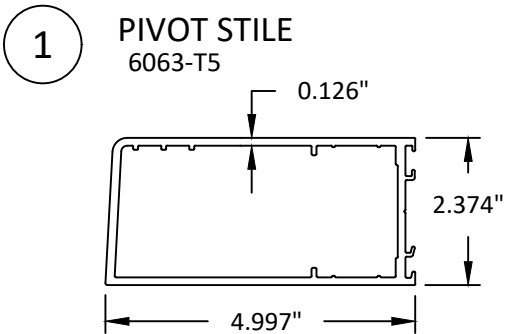
SCALE: **NTS**

DWG. #: **YKK158**

SHEET: **13** REV. **B**

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50H DOOR BILL OF MATERIALS				
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1	E9-0234	PIVOT STILE	6063-T5	YKK AP
2	E9-0241	MEETING STILE	6063-T5	YKK AP
3	E9-0240	MEETING STILE	6063-T5	YKK AP
4	E9-0242	CONTINUOUS HINGE STILE	6063-T5	YKK AP
5	E9-0251	I.G. 8" BOTTOM RAIL	6063-T5	YKK AP
6	E9-0244	I.G. TOP RAIL	6063-T5	YKK AP
7	E9-0235	MONO. 8" BOTTOM RAIL	6063-T5	YKK AP
8	E9-0239	MONO. TOP RAIL	6063-T5	YKK AP
9	E9-0227	SHEAR CLIP	6063-T5	YKK AP
10	E9-0504	DOOR JAMB	6063-T6	YKK AP
11	E9-0501	DOOR HEAD	6063-T5	YKK AP
12	E9-0487	THRESHOLD	6063-T5	YKK AP
13	E9-0255	I.G. EXTERIOR GLASS STOP	6063-T5	YKK AP
14	E9-0254	I.G. INTERIOR GLASS STOP	6063-T5	YKK AP
15	E9-0225	MONO. EXTERIOR GLASS STOP	6063-T5	YKK AP
16	E9-0226	MONO. INTERIOR GLASS STOP	6063-T5	YKK AP
17	E9-0510	HINGE BACK PLATE	6063-T5	YKK AP
18	E2-0067	DOOR SWEEP GASKET	6063-T5	YKK AP
19				
20	E2-0095	SETTING BLOCK	6063-T5	YKK AP
21	E1-0370	SHEAR BLOCK	6063-T5	YKK AP
22	E9-0520	OHCC DOOR HEAD	6063-T5	YKK AP
23	E9-0218	OHCC DOOR STOP	6063-T5	YKK AP
24	E9-0619	SILL FLASHING	6063-T5	YKK AP
25	E9-0614	FLAT FILLER	6063-T5	YKK AP
26	E9-0231	LOCK BASE	6063-T5	YKK AP
27	E9-0503	THRESHOLD ATTACHMENT	6063-T5	YKK AP
28	E9-0502	THRESHOLD	6063-T5	YKK AP
29	E9-0347	DOOR SWEEP BASE	6063-T5	YKK AP
30	E9-0348	DOOR SWEEP COVER	6063-T5	YKK AP
31	E9-0521	I.G. OHCC TRANSOM BAR	6063-T5	YKK AP
32				
33				
34	E1-0311	BACKER PLATE	STEEL	
35	E1-0312	BACKER PLATE	STEEL	
36	E1-0351	JOINT CLIP	6063-T5	YKK AP
37	E1-0353	LOCK BASE	6063-T5	YKK AP
38	E1-0357	HINGE BACK PLATE	6063-T5	YKK AP
39	E1-0381	JOINT CLIP	6063-T5	YKK AP
40	E1-1050	END DAM	6063-T5	
41	E1-1056	THRESHOLD CLIP	STEEL	
42	E1-1068	FLAT FILLER	6063-T5	YKK AP
43	E1-3001	SHEAR BLOCK	6063-T5	YKK AP
44	E1-3004	JAMB ANCHOR	6063-T5	YKK AP
45	E1-3006	ANCHOR SLEEVE	6063-T5	YKK AP
46	E1-3039	MULLION ANCHOR	6063-T5	YKK AP
47	E2-0051	AIRTIGHT GASKET	PVC	
48	E2-0062	WEATHERSTRIP	POLYPROPYLENE	
49	E2-0063	SETTING BLOCK	EPDM	
50	E2-0083	EXTERIOR GASKET	EPDM	
51	E2-0085	SPACER GASKET	PC EPDM	
52	E2-0086	SETTING BLOCK	EPDM	
53	E2-0087	WEATHERSTRIP	POLYPROPYLENE	
54	E2-0088	INTERIOR GASKET	EPDM SPONGE	
55	E2-0093	ASTRAGAL GASKET	SILICONE	
56	FC-1016	FH SMS	STEEL	
57	SM-3810	SH CAP SCREW	STEEL	
58	PC-1216	PH SMS	STEEL	
59	PC-1408	PH SMS	STEEL	
60	27HD	CONTINUOUS HINGE		SELECT
61	780-226HD	CONTINUOUS HINGE		HAGER-ROTON
62	BB1191-SS	BUTT HINGES	STAINLESS STEEL	HAGER
63	AS-3180	C.W. JAMB SUBFRAME	6063-T6	YKK AP
64	E9-0511	THRESHOLD RAMP PIECE # 1	6063-T6	YKK AP
65	E9-0512	THRESHOLD RAMP PIECE # 2	6063-T6	YKK AP
66	E9-0513	THRESHOLD RAMP PIECE # 3	6063-T6	YKK AP
67	E9-0233	10" BOTTOM RAIL MONO.	6063-T5	YKK AP
68	E9-0252	10" BOTTOM RAIL INS.	6063-T5	YKK AP
69				
70	E9-0651	I.G. TRANSOM HEADER	6063-T5	YKK AP
71				
72				
73	E9-0517	I.G. TRANSOM MULLION	6063-T5	YKK AP



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Quality
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YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

COMPONENTS & BILL OF MATERIALS

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

BD
BUILDING DROPS

REMARKS	BY	DATE
HARDWARE UPDATE	SH	9/13/22
2026 CODE UPDATE	SH	7/31/26

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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 COURT, STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL16554

DATE:

09.17.18

DWG. BY:

HR

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK158

SHEET:

14

REV.

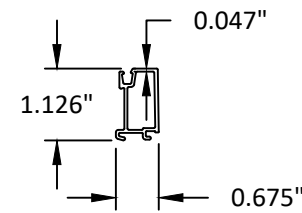
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OF 16

7/31/2026 9:47 AM

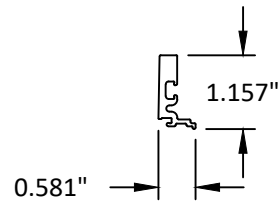
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I.G. EXT. GLASS STOP
6063-T5



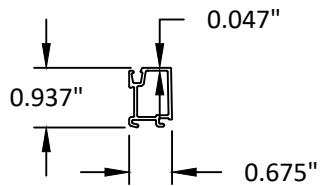
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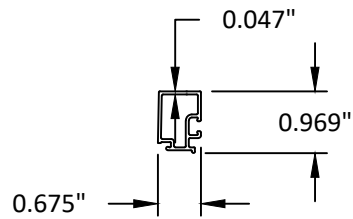
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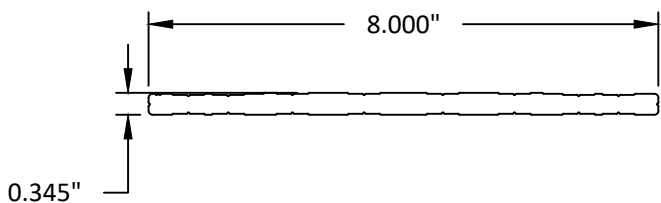
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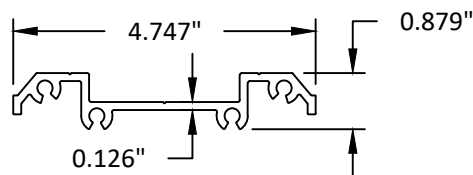
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HINGE BACK PLATE
6063-T5



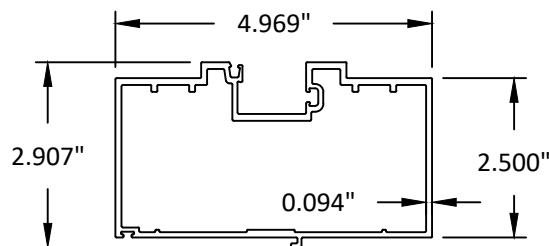
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SHEAR BLOCK
6063-T5



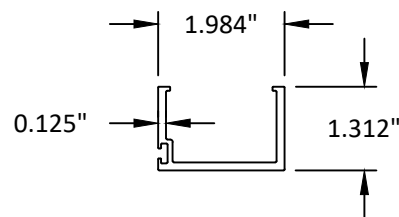
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OHCC DOOR HEAD
6063-T5



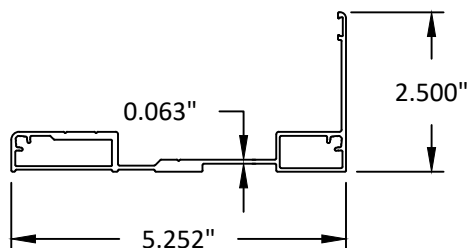
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OHCC DOOR STOP
6063-T5



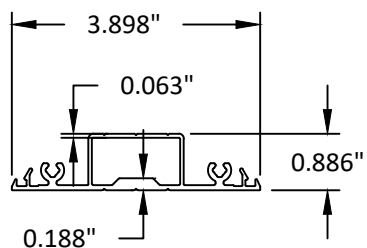
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SILL FLASHING
6063-T5



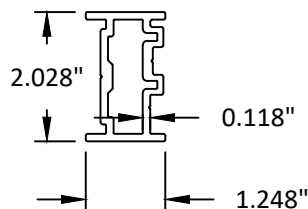
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FLAT FILLER
6063-T5



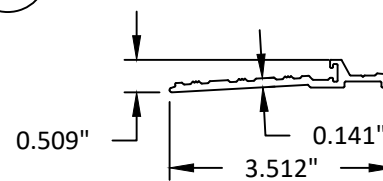
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LOCK BASE
6063-T5
TYPICAL WALL
THICKNESS: .118"



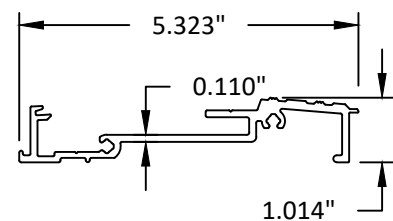
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THRESHOLD ATTACHMENT
6063-T5



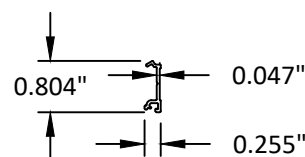
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5 5/16" THRESHOLD
6063-T5



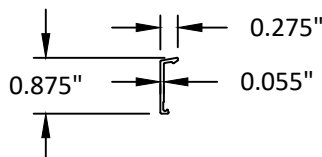
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DOOR SWEEP BASE
6063-T5



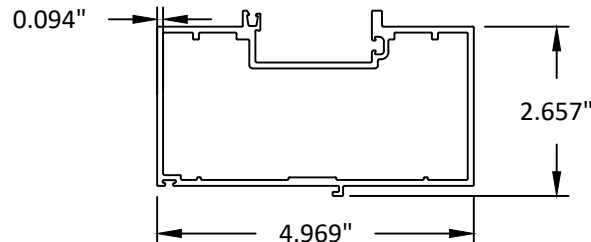
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DOOR SWEEP COVER
6063-T5



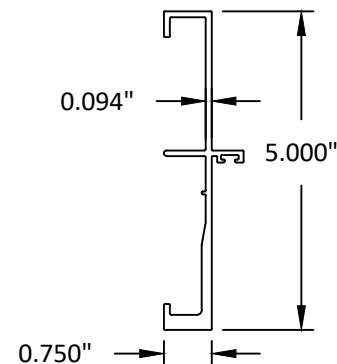
31

I.G. OHCC TRANSOM BAR
6063-T5



63

C.W. JAMB SUBFRAME
6063-T5



YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
SERIES 50H ALUMINUM OUTSWING
ENTRANCE DOOR
(HVHZ) (MISSILE LEVEL E IMPACT RATED)

COMPONENTS (1)

PREPARED BY:

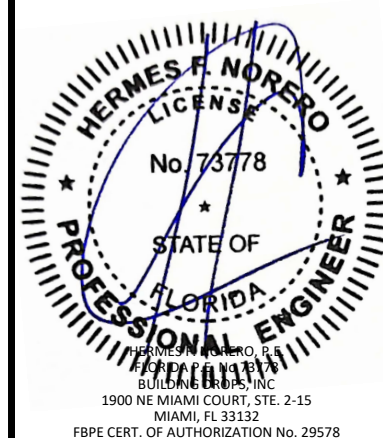
BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HARDWARE UPDATE	SH	9/13/22
2026 CODE UPDATE	SH	7/31/26

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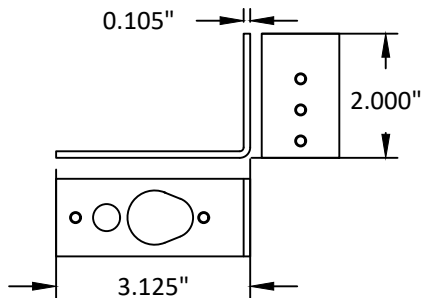


FL #:	FL16554
DATE:	09.17.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK158
SHEET:	15
REV.	B
	OF 16

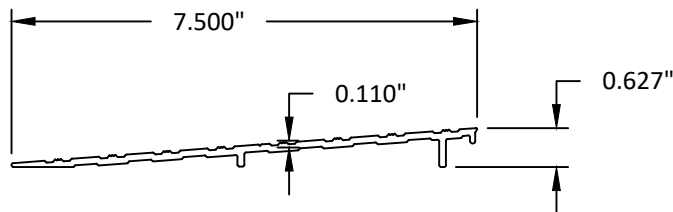
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7/31/2026 9:47 AM
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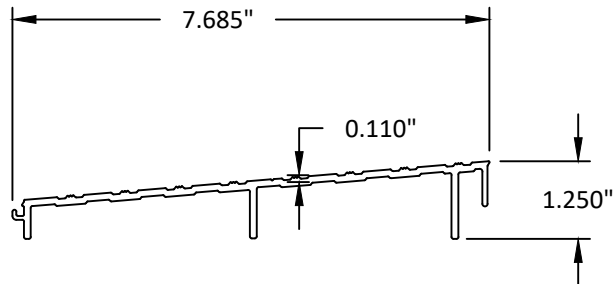
41 THRESHOLD CLIP
STEEL



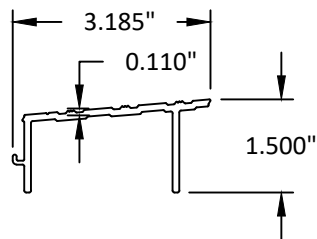
64 THRESHOLD RAMP INT./EXT. PIECE #1
6063-T5



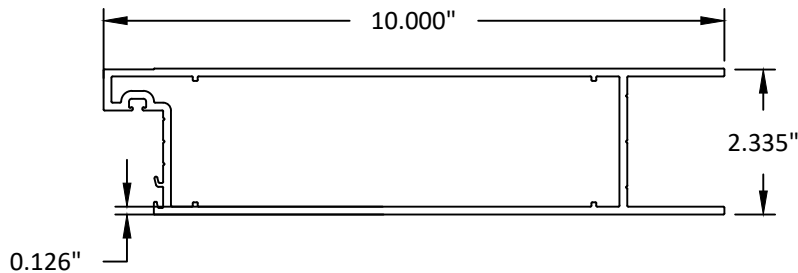
65 THRESHOLD RAMP INT./EXT. PIECE #2
6063-T5



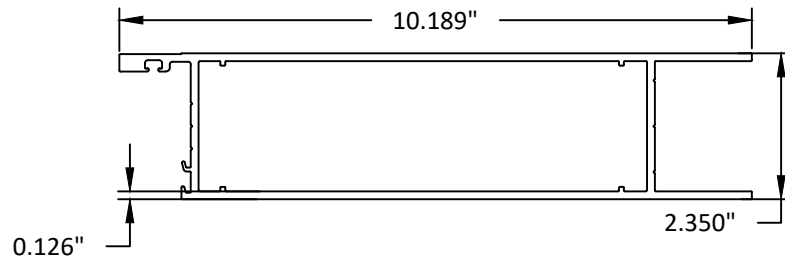
66 THRESHOLD RAMP INT./EXT. PIECE #3
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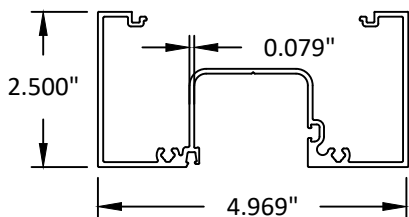
67 10" BOTTOM RAIL MONO.
6063-T5



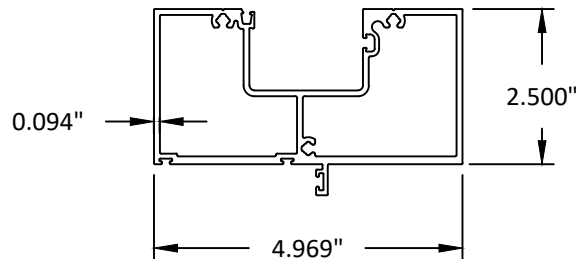
68 10" BOTTOM RAIL INS.
6063-T5



70 I.G. TRANS. HEADER
6063-T5



73 I.G. TRANSOM MULL
6063-T5



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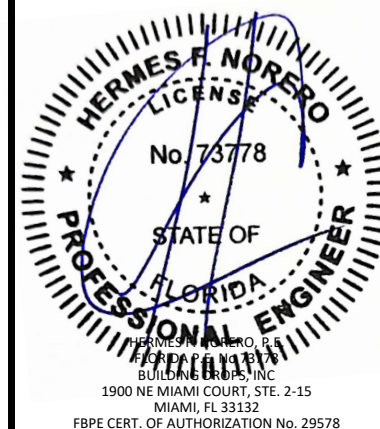
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SHEET: **16** REV. **B**