

YKK AP AMERICA, INC.

YHS 50 TU PRE-GLAZED ALUMINUM STOREFRONT SYSTEM OUTSIDE GLAZED (WZ3) (IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH CURRENT FLORIDA BUILDING CODE (FBC) **EXCLUDING** REQUIREMENTS FOR HVHZ, AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 501-15
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- 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.
- 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.
- 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 IN WIND ZONE 3 OR LESS. SEE SHEETS 3-5 FOR LMI AND SMI GLASS TYPES.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
- STOREFRONT FRAME MATERIAL: ALUMINUM 6063-T5
- 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.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEETS 3-5 FOR GLAZING DETAILS.

INSTALLATION NOTES:

- SEE SHEET 11 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENTS, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS, WITH OR WITHOUT WOOD BACKING.
 - ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.

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INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE, AND RISK CATEGORY USING APPLICABLE ASCE 7 STANDARD.
- SEE CHARTS ON SHEETS 3-5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 6 & 7 FOR STOREFRONT MULLION AND SHEETS 9 & 10 FOR DOOR MULLION, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 11 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY: BUILDING DROPS, INC.

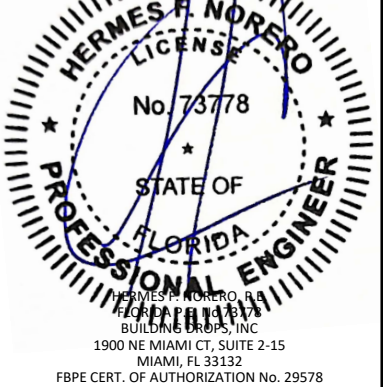
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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WEB: www.buildingdrops.com



REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
SHIM SPACE REVISION	DB	02.03.26

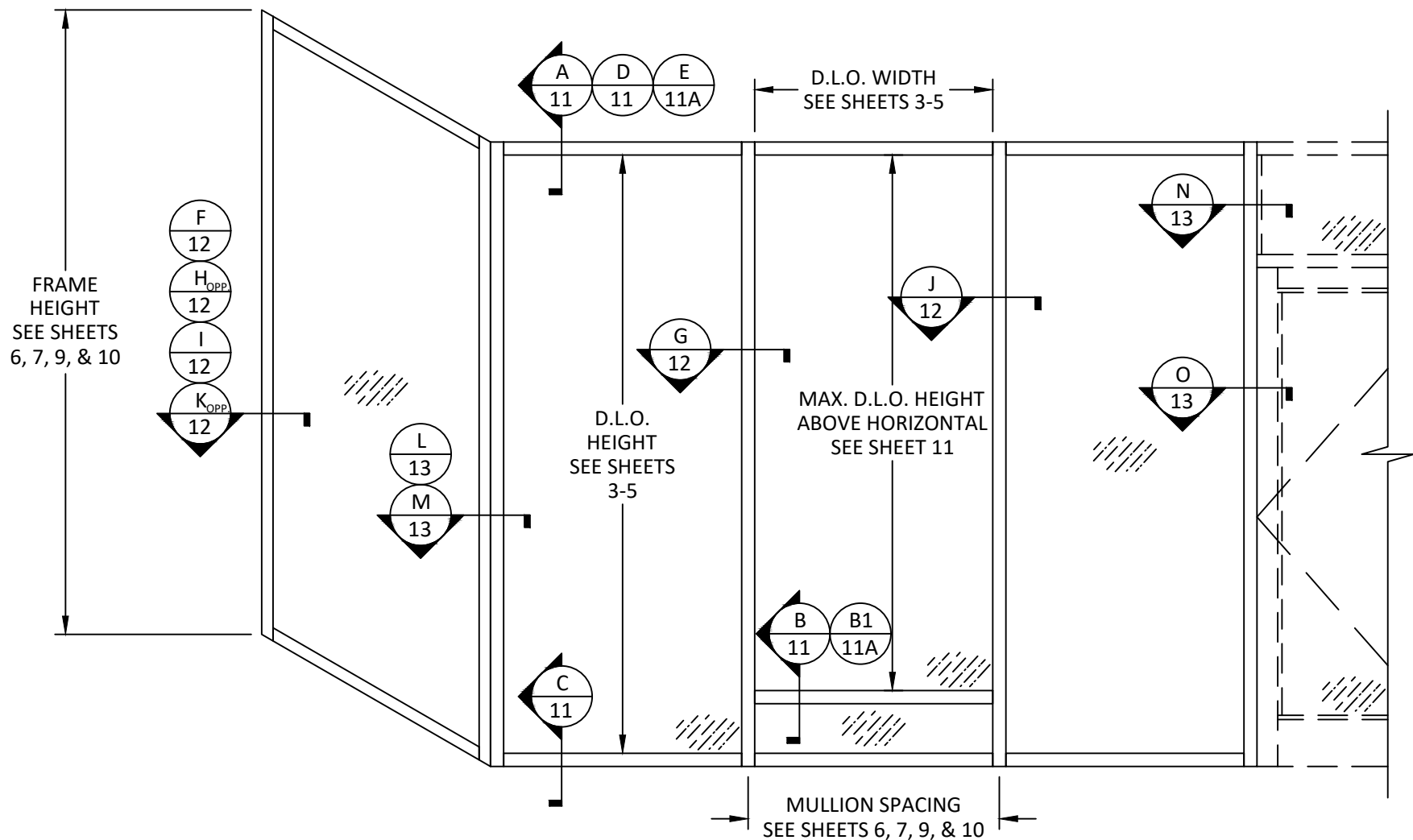
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Digitally signed by Hermes F. Norero, P.E.
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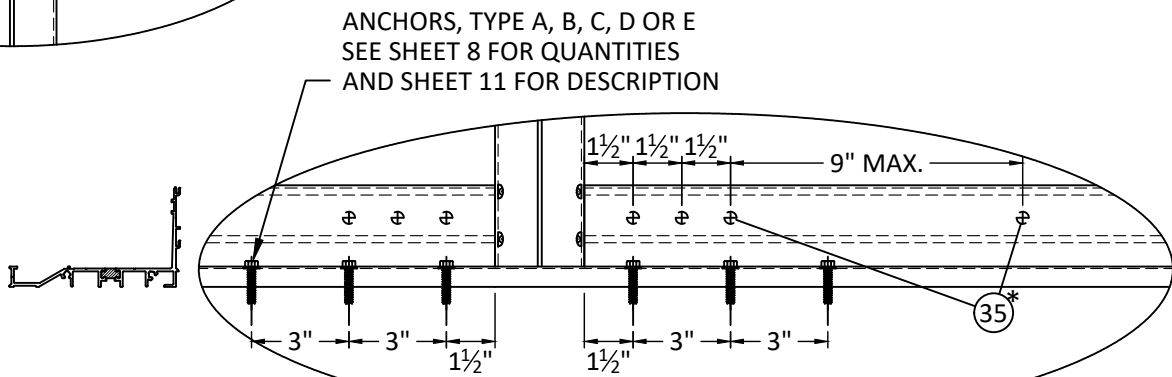
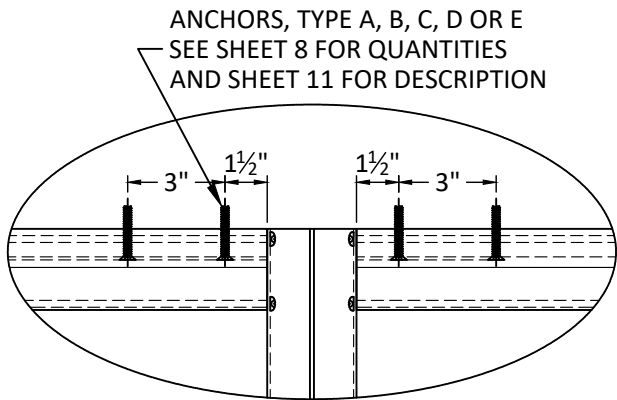


FL #:		FL14218
DATE:		12.07.22
DWG. BY:	CHK. BY:	
MS	HFN	
SCALE:		NTS
DWG. #:		YKK287
SHEET		1

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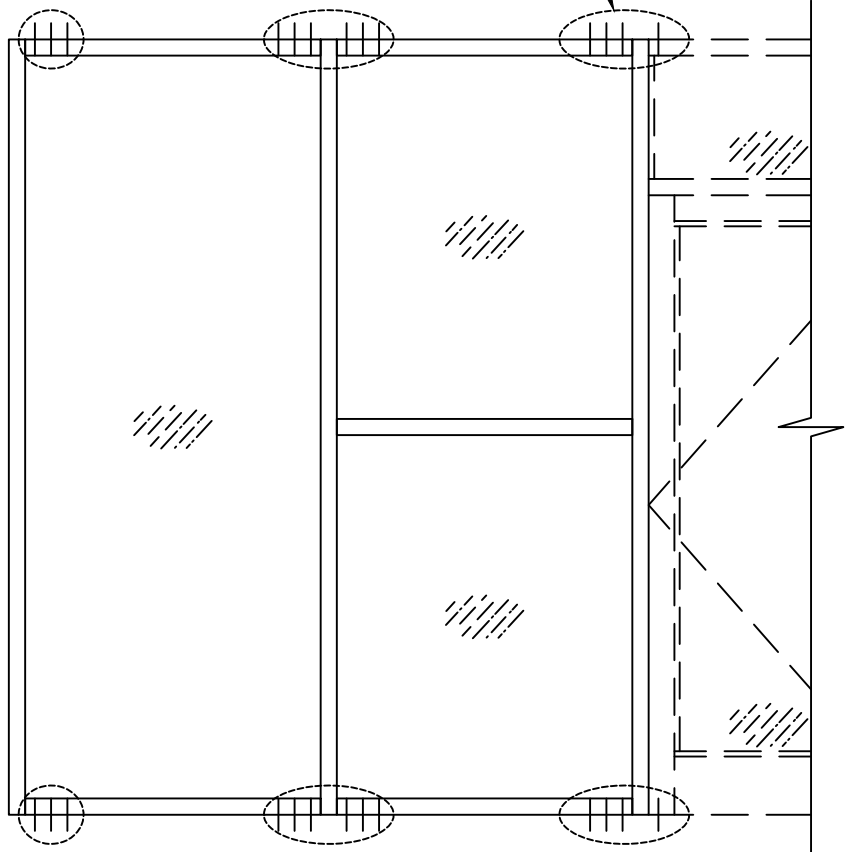


ELEVATION
TYP. YHS 50 TU PRE-GLAZED STOREFRONT



* ITEM #35 HAS SAME SPACING AT JAMB

SEE SEPARATE YKK AP AMERICA'S APPROVAL FOR DOOR DETAILS AND RATINGS. THE ENTIRE SYSTEM SHALL APPLY THE LOWER RATING BETWEEN STOREFRONT AND DOOR APPROVALS.



TYP. ANCHOR LAYOUT



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ELEVATION & ANCHOR LAYOUT

PREPARED BY:

BUILDING DROPS, INC.

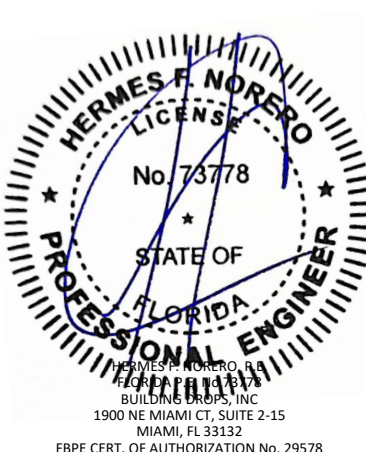
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SHEET	2

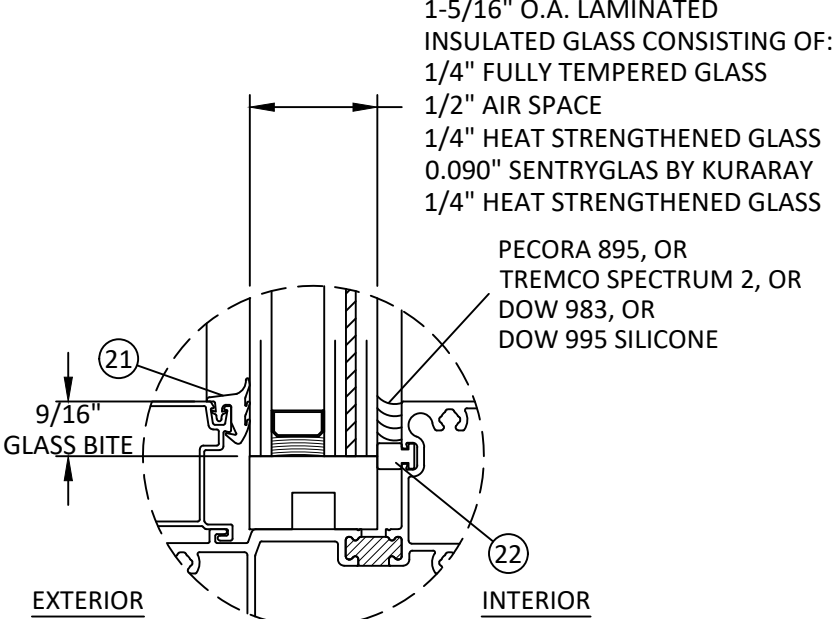
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WET GLAZED GLASS TYPES

LARGE & SMALL MISSILE IMPACT

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS. (IN.)		GLASS TYPE 'A' & 'B'	GLASS TYPE 'C' & 'D'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
27.25	55	70.0	50.0
33.25		70.0	50.0
39.25		70.0	46.4
45.25		70.0	40.2
51.25		62.1	35.5
57.25		57.9	33.1
63.25	61	57.9	33.1
69.25		57.9	33.1
27.25		70.0	50.0
33.25		70.0	50.0
39.25		70.0	46.4
45.25		70.0	40.2
51.25		62.1	35.5
57.25	67	55.6	31.8
63.25		52.2	29.8
69.25		52.2	29.8
27.25		70.0	50.0
33.25		70.0	50.0
39.25		70.0	46.4
45.25	73	70.0	40.2
51.25		62.1	35.5
57.25		55.6	31.8
63.25		50.4	28.8
69.25		46.0	-
27.25	79	70.0	50.0
33.25		70.0	50.0
39.25		70.0	46.4
45.25		70.0	40.2
51.25		62.1	35.5
57.25		55.6	31.8
63.25	85	50.4	-
69.25		70.0	50.0
27.25		70.0	50.0
33.25		70.0	50.0
39.25		70.0	46.4
45.25		70.0	40.2
51.25		62.1	35.5
57.25		55.6	-

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS. (IN.)		GLASS TYPE 'A' & 'B'	GLASS TYPE 'C' & 'D'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
27.25	91	70.0	50.0
33.25		70.0	50.0
39.25		70.0	46.0
45.25		70.0	40.2
51.25		62.1	-
57.25		70.0	50.0
63.25	97	70.0	50.0
69.25		70.0	45.2
27.25		70.0	50.0
33.25		70.0	50.0
39.25		70.0	40.2
45.25		70.0	40.2
51.25	102.375	62.1	-
57.25		70.0	50.0
63.25		70.0	50.0
69.25		70.0	44.6
27.25		70.0	50.0
33.25		70.0	50.0
39.25	109	70.0	40.0
45.5		70.0	50.0
51.25		70.0	50.0
57.25		70.0	44.0
63.25		70.0	-
69.25		70.0	-
27.25	114.375	70.0	50.0
33.25		70.0	49.8
39.25		70.0	43.5
45.5		70.0	-
51.25		70.0	-
57.25		70.0	-

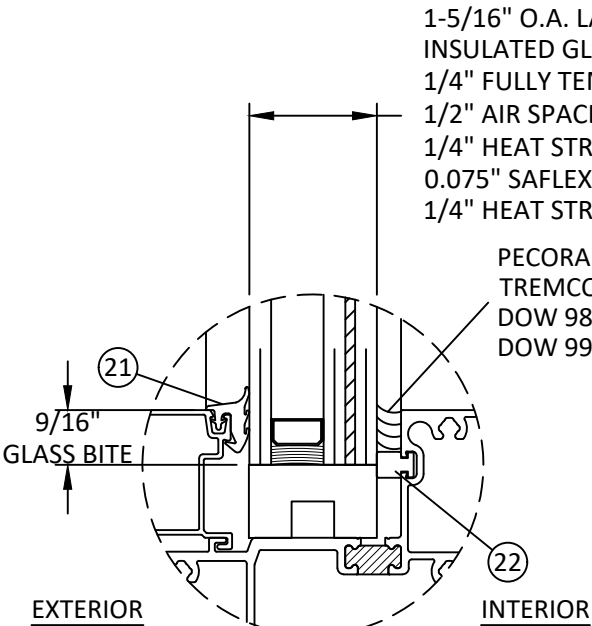


GLAZING DETAIL A

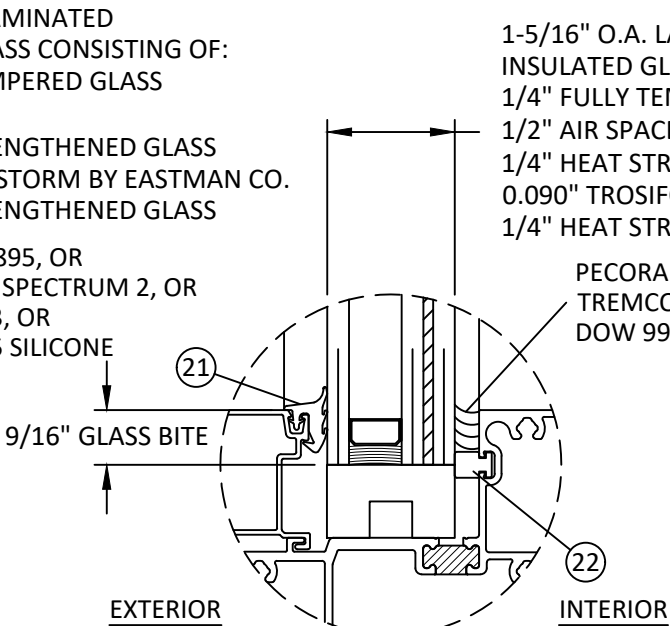
DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH:
• NOMINAL PANEL WIDTH - 2.75"
DAYLITE OPENING HEIGHT:
• FRAME HEIGHT - 5"

ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS.
PRIMARY SEALANT:
POLYISOBUTYLENE (PIB).
SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.

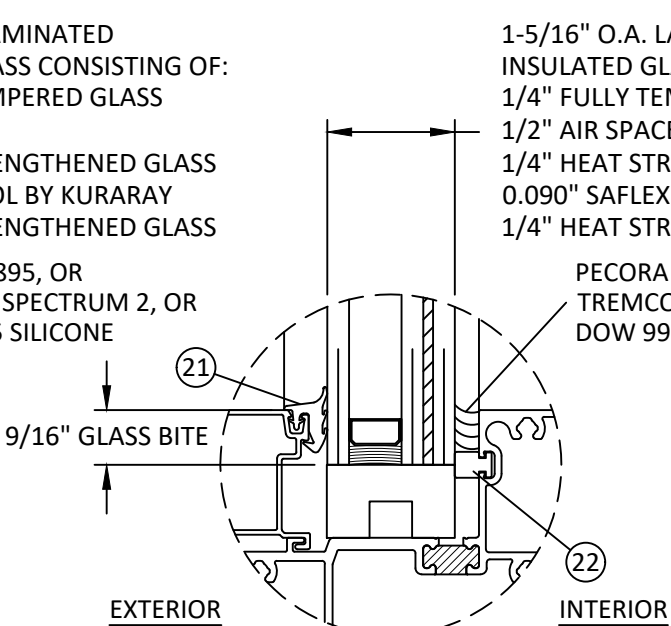
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 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



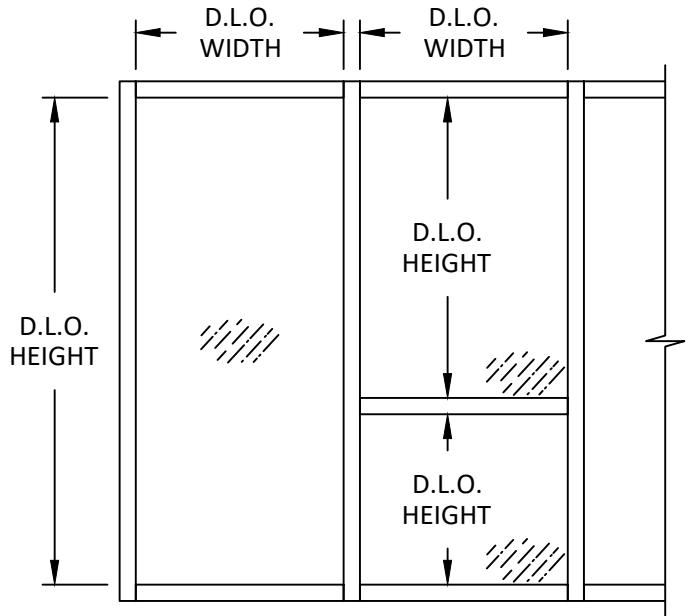
GLAZING DETAIL B



GLAZING DETAIL C



GLAZING DETAIL D





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REMARKS

BY

DATE

PROFILE UPDATE

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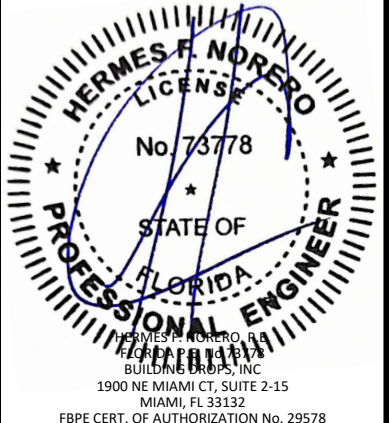
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SHIM SPACE REVISION

DB

02.03.26

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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 CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL14218

DATE:

12.07.22

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK287

SHEET

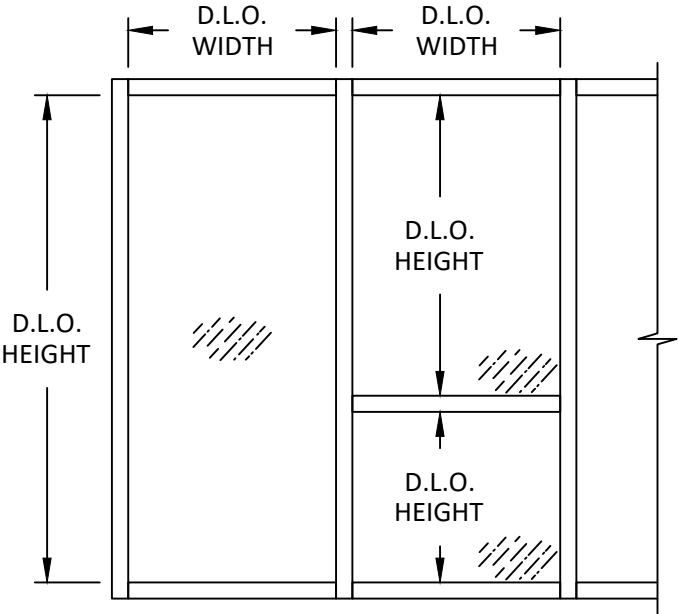
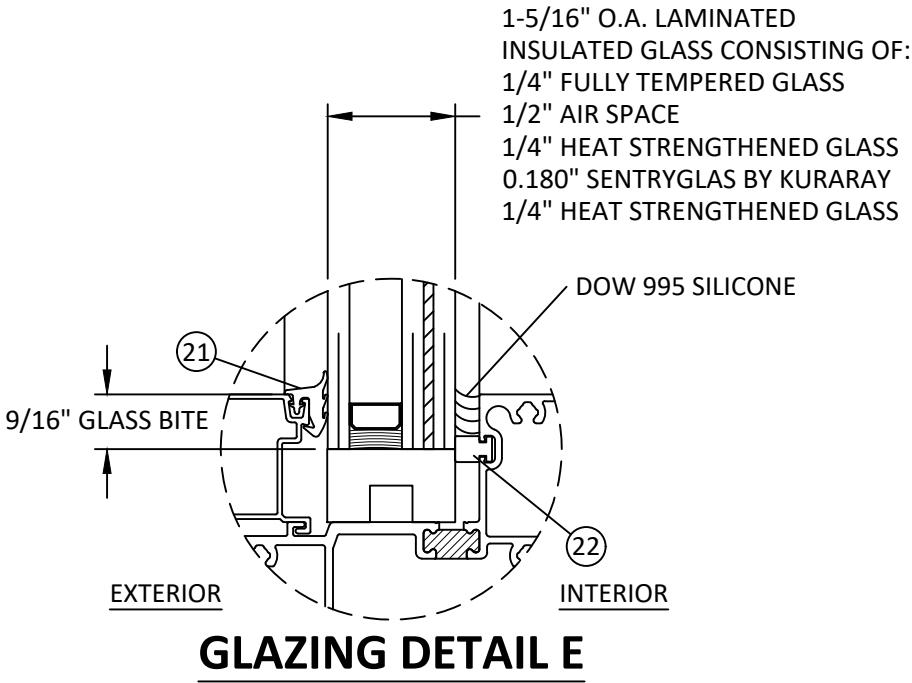
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WET GLAZED GLASS TYPES
MISSILE LEVEL E IMPACT

GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		GLASS TYPE 'E'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
27.25	55	70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25		62.1
57.25	61	57.9
63.25		57.9
69.25		57.9
27.25		70.0
33.25		70.0
39.25	67	70.0
45.25		70.0
51.25		62.1
57.25		55.6
63.25		50.4
69.25	73	47.5
27.25		70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25	79	62.1
57.25		55.6
63.25		50.4
27.25		70.0
33.25		70.0

GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		GLASS TYPE 'E'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
27.25	85	70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25		62.1
57.25	91	70.0
63.25		70.0
69.25		70.0
27.25		70.0
33.25		70.0
39.25	97	70.0
45.25		70.0
51.25		62.1
57.25		55.6
63.25		50.4
69.25	102.375	47.5
27.25		70.0
33.25		70.0
39.25		70.0
45.5		70.0



DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH:
• NOMINAL PANEL WIDTH - 2.75"
DAYLITE OPENING HEIGHT:
• FRAME HEIGHT - 5"

ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS.
PRIMARY SEALANT:
POLYISOBUTYLENE (PIB).
SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.

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WET GLAZING DETAILS - MISSILE E

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BD

BUILDING DROPS

REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
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SCALE:
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DWG. #:
YKK287

SHEET
4

[Page 4 of 16]

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GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		GLASS TYPE 'F', 'G' & 'H'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
27.25	55	70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25		62.1
57.25	61	57.9
63.25		57.9
69.25		57.9
27.25		70.0
33.25		70.0
39.25	67	70.0
45.25		70.0
51.25		62.1
57.25		55.6
63.25		52.2
69.25	73	52.2
27.25		70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25	79	62.1
57.25		55.6
63.25		50.4
69.25		47.5
27.25	85	70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25		62.1
57.25		55.6

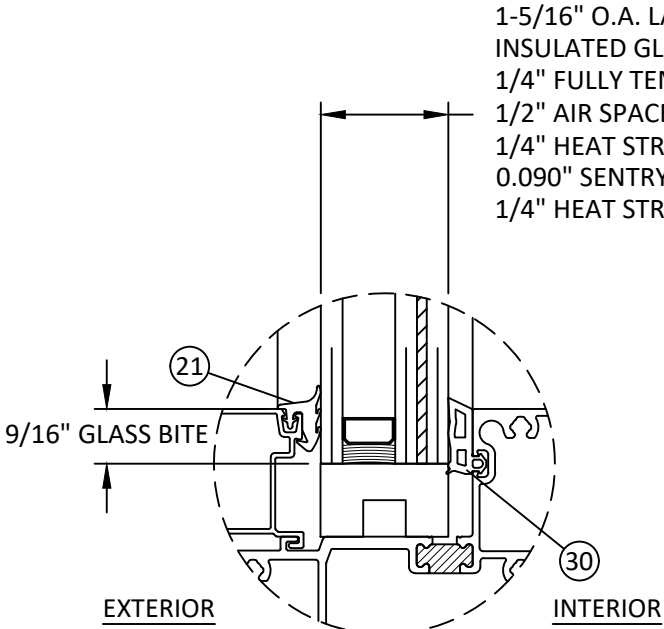
GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		GLASS TYPE 'F', 'G' & 'H'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
27.25	91	70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25		62.1
27.25	97	70.0
33.25		70.0
39.25		70.0
45.25		70.0
51.25		62.1
27.25	102.375	70.0
33.25		70.0
39.25		70.0
45.5		70.0
27.25	109	70.0
33.25		70.0
39.25		70.0
45.5		70.0
27.25	114.375	70.0
33.25		70.0
39.25		70.0
45.5		70.0

ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS.
PRIMARY SEALANT:
POLYISOBUTYLENE (PIB).
SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.

DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH:
• NOMINAL PANEL WIDTH - 2.75"
DAYLITE OPENING HEIGHT:
• FRAME HEIGHT - 5"

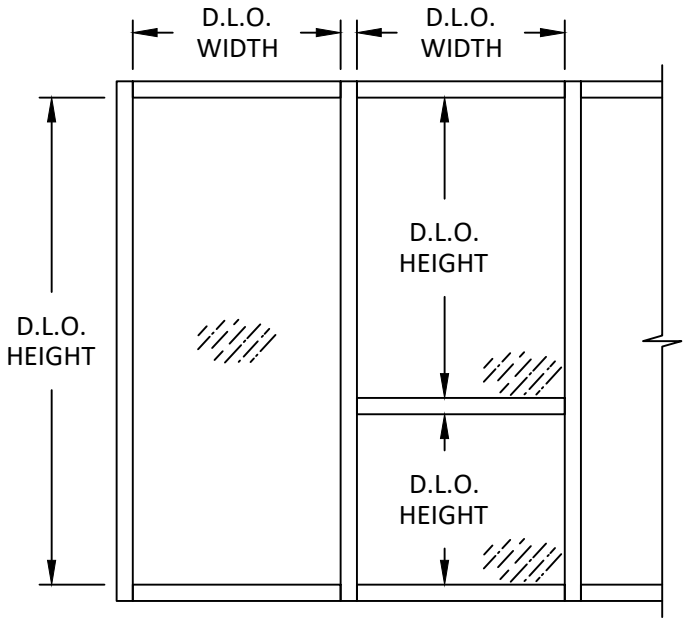
DRY GLAZED GLASS TYPES

LARGE & SMALL MISSILE IMPACT



GLAZING DETAIL F

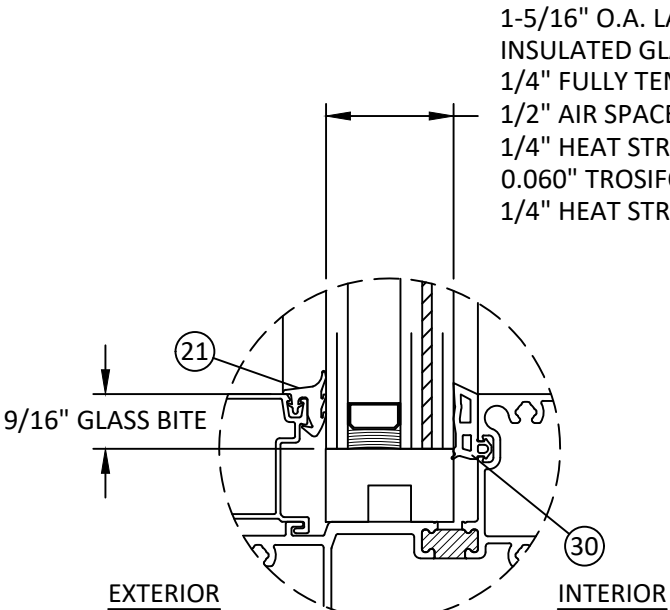
1-5/16" O.A. LAMINATED
INSULATED GLASS CONSISTING OF:
1/4" FULLY TEMPERED GLASS
1/2" AIR SPACE
1/4" HEAT STRENGTHENED GLASS
0.090" SENTRYGLAS BY KURARAY
1/4" HEAT STRENGTHENED GLASS



- GLASS NOTE:
- GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

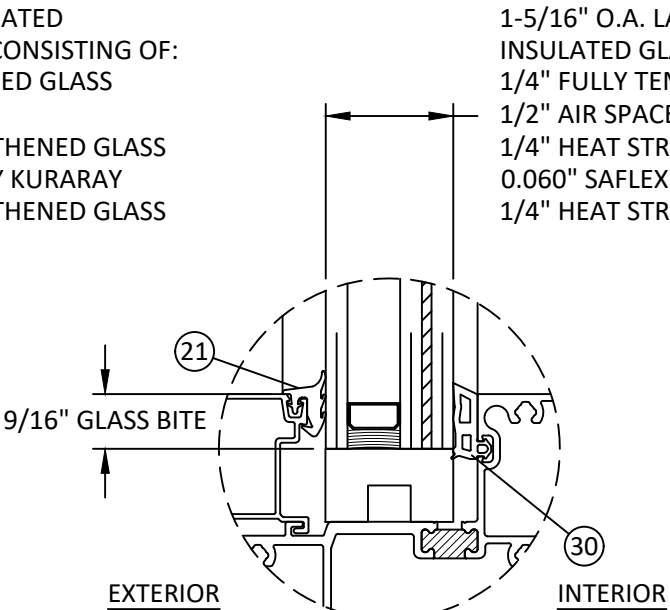
DRY GLAZED GLASS TYPES

SMALL MISSILE IMPACT ONLY



GLAZING DETAIL G

1-5/16" O.A. LAMINATED
INSULATED GLASS CONSISTING OF:
1/4" FULLY TEMPERED GLASS
1/2" AIR SPACE
1/4" HEAT STRENGTHENED GLASS
0.060" TROSIFOL BY KURARAY
1/4" HEAT STRENGTHENED GLASS



GLAZING DETAIL H

1-5/16" O.A. LAMINATED
INSULATED GLASS CONSISTING OF:
1/4" FULLY TEMPERED GLASS
1/2" AIR SPACE
1/4" HEAT STRENGTHENED GLASS
0.060" SAFLEX BY EASTMAN CO.
1/4" HEAT STRENGTHENED GLASS

YKK
ap Quality inspires™

YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE: YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

DRY GLAZING DETAILS

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

B.D.
BUILDING DROPS

REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
SHIM SPACE REVISION	DB	02.03.26

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.

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

FL #:
FL14218

DATE: **12.07.22**

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

SCALE: **NTS**

DWG. #: **YKK287**

SHEET
5

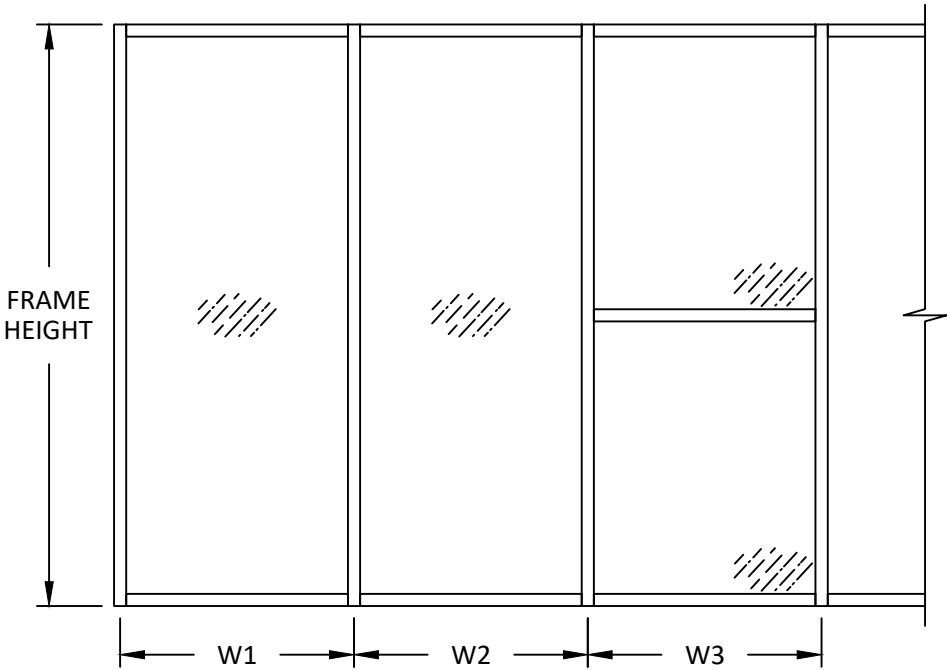
[Page 5 of 16]

c:\users\sebastianherrerero\building drops, inc\building drops, inc\common\projects\ykk ap america, inc\fbc-26-0123 - fl14218 yhs 50 tu pre-glazed storefront systems\dwgs\ykk287.dwg 2/9/2026 3:36 PM

MULLION LOAD TABLES

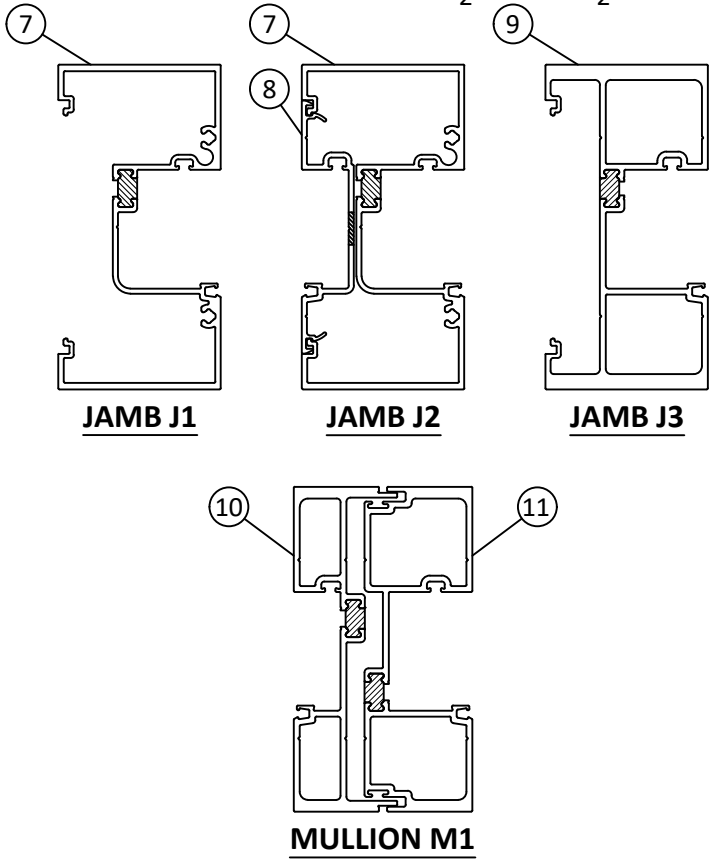
JAMB/MULLION LOAD CAPACITY (PSF)						
NOMINAL DIMS. (IN.)		W/ OR W/O INTERMEDIATE HORIZONTALS	W/O INTERMEDIATE HORIZONTALS		W/ INTERMEDIATE HORIZONTALS	
TRIBUTARY WIDTH	FRAME HEIGHT	J1/J2	J3	M1	J3	M1
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	60	50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54		50.0	70.0	70.0	70.0	70.0
60		50.0	70.0	70.0	70.0	70.0
66		50.0	70.0	70.0	70.0	70.0
72	66	50.0	70.0	70.0	70.0	70.0
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54		50.0	70.0	70.0	70.0	70.0
60		50.0	70.0	70.0	70.0	70.0
66	72	50.0	70.0	70.0	70.0	70.0
72		50.0	70.0	70.0	70.0	70.0
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54		50.0	70.0	70.0	70.0	70.0
60	78	50.0	70.0	70.0	70.0	70.0
66		50.0	70.0	70.0	70.0	70.0
72		50.0	70.0	70.0	70.0	70.0
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54	84	50.0	70.0	70.0	70.0	70.0
60		50.0	70.0	70.0	70.0	70.0
66		49.9	70.0	70.0	70.0	70.0
72		45.8	70.0	70.0	-	45.8
30	90	50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54		50.0	70.0	70.0	70.0	70.0
60		50.0	70.0	70.0	70.0	70.0
66		46.6	70.0	70.0	-	46.6
72		42.7	70.0	70.0	-	42.7

JAMB/MULLION LOAD CAPACITY (PSF)						
NOMINAL DIMS. (IN.)		W/ OR W/O INTERMEDIATE HORIZONTALS	W/O INTERMEDIATE HORIZONTALS		W/ INTERMEDIATE HORIZONTALS	
TRIBUTARY WIDTH	FRAME HEIGHT	J1/J2	J3	M1	J3	M1
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	96	50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54		50.0	70.0	70.0	70.0	70.0
60		48.0	70.0	70.0	-	48.0
66		43.7	70.0	70.0	-	43.7
72	102	40.0	70.0	70.0	-	40.0
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48		50.0	70.0	70.0	70.0	70.0
54		50.0	70.0	70.0	70.0	70.0
60		45.2	70.0	70.0	-	45.2
66	108	41.1	70.0	70.0	-	41.1
72		50.0	70.0	70.0	70.0	70.0
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48.25		50.0	70.0	70.0	70.0	70.0
54	114	47.4	70.0	70.0	-	47.4
60		42.7	-	42.7	-	42.7
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48.25		50.0	70.0	70.0	70.0	70.0
54	119.375	45.0	-	45.0	-	45.0
60		40.5	-	40.5	-	40.5
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	70.0	70.0	70.0	70.0
48.25		48.0	70.0	70.0	70.0	70.0
54	126	42.9	-	42.9	-	42.9
30		50.0	70.0	70.0	70.0	70.0
36		50.0	70.0	70.0	70.0	70.0
42		50.0	68.4	68.4	68.4	68.4
48.25		45.5	-	45.5	-	45.5
54	132	40.7	-	40.7	-	40.7
30		50.0	70.0	70.0	70.0	70.0
36		50.0	69.4	69.4	69.4	69.4
42		49.9	59.5	59.5	59.5	59.5
48.25		43.4	-	43.4	-	43.4
30	138	50.0	70.0	70.0	70.0	70.0
36		50.0	60.7	60.7	60.7	60.7
42		47.7	-	47.7	-	47.7
48.25		41.6	-	41.6	-	41.6
30	143.375	50.0	65.0	65.0	65.0	65.0
36		50.0	54.2	54.2	54.2	54.2
42		46.0	-	46.0	-	46.0
48.25		40.0	-	40.0	-	40.0



FOR JAMB:
TRIBUTARY WIDTH = W1

FOR MULLION:
TRIBUTARY WIDTH = $\frac{W1+W2}{2}$ OR $\frac{W2+W3}{2}$



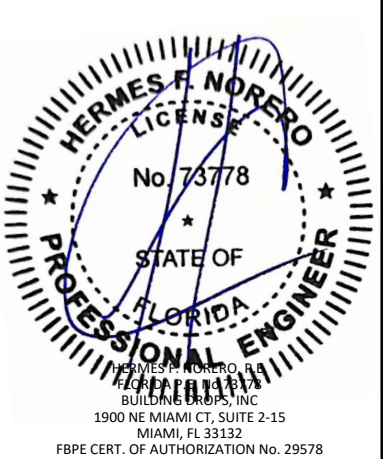
YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)
MULLION TABLES

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
PROFILE UPDATE	SH	07.03.24
SHIM SPACE REVISION	DB	02.03.26

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LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE
SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



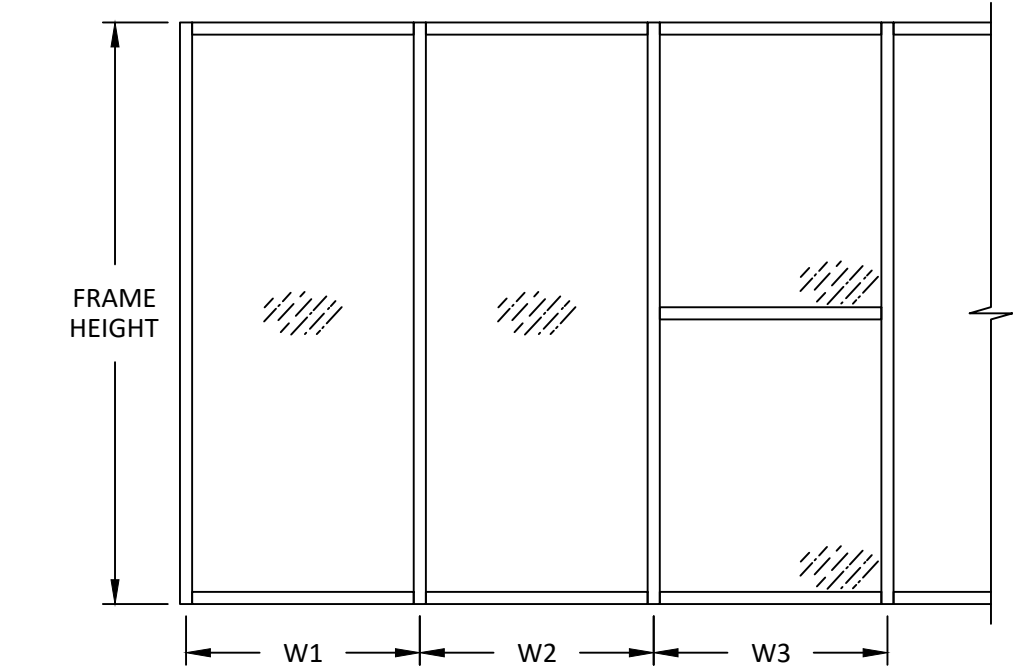
FL #:		FL14218
DATE:		12.07.22
DWG. BY:	CHK. BY:	
MS	HFN	
SCALE:		NTS
DWG. #:		YKK287
SHEET		

6

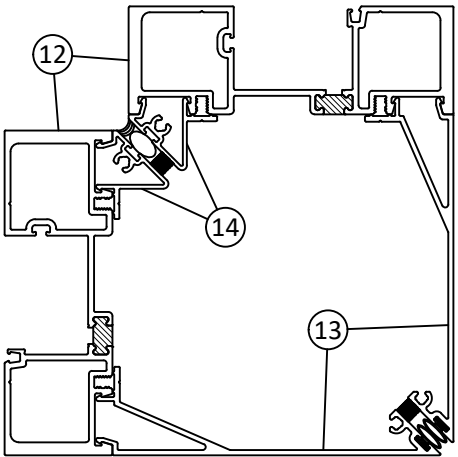
CORNER MULLION LOAD TABLES

CORNER MULLION LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		W/ OR W/O INTERMEDIATE HORIZONTALS
TRIBUTARY WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)
30	60	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72		70.0
30	66	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72		70.0
30	72	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72		70.0
30	78	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72		70.0
30	84	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
66		70.0

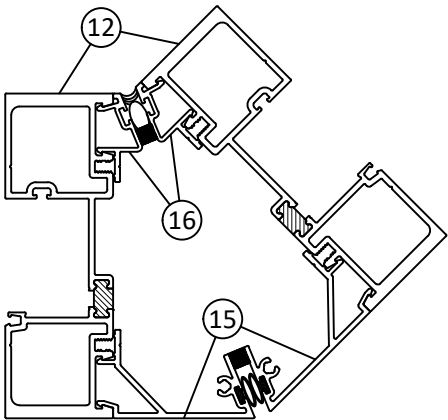
CORNER MULLION LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		W/ OR W/O INTERMEDIATE HORIZONTALS
TRIBUTARY WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)
30	90	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
30	96	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
30	102	70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
30	108	70.0
36		70.0
42		70.0
48.25		70.0
30	114	70.0
36		70.0
42		70.0
48.25		70.0
30	119.375	70.0
36		70.0
42		70.0
48.25		70.0
30	126	70.0
36		70.0
42		68.4
30	132	70.0
36		69.4
42		59.5
30	138	70.0
36		60.7
30	143.375	65.0
36		54.2



FOR CORNER MULLION:
TRIBUTARY WIDTH = $\frac{W1+W2}{2}$ OR $\frac{W2+W3}{2}$



90° CORNER MULLION



135° CORNER MULLION



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

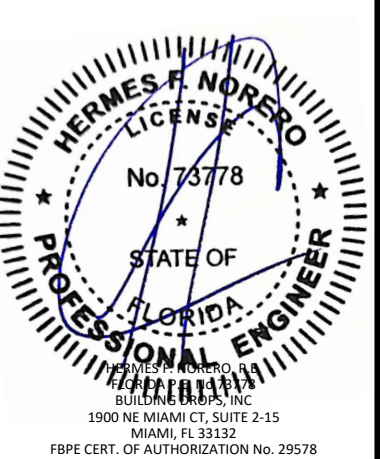
TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)
CORNER MULLION TABLES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
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REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
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FL #:	FL14218
DATE:	12.07.22
DWG. BY:	CHK. BY:
MS	HFN
SCALE:	NTS
DWG. #:	YKK287
SHEET	7

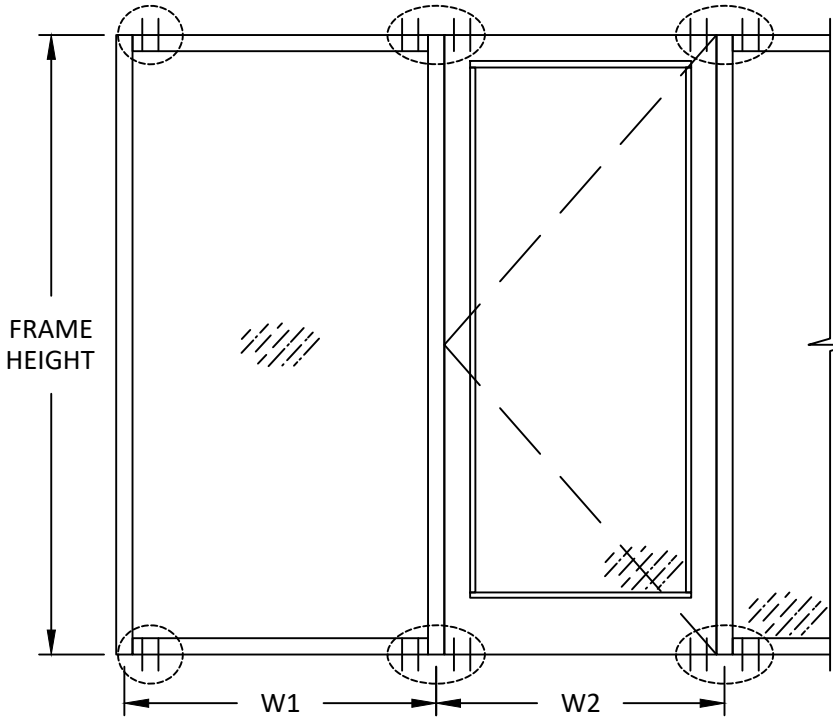
ANCHOR LOAD TABLES

ANCHOR LOAD CAPACITY (PSF) EXT. (+) & INT. (-)													
NOMINAL DIMS. (IN.)		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'C'		ANCHOR TYPE 'D'			ANCHOR TYPE 'E'		
TRIBUTARY WIDTH	FRAME HEIGHT	A2	A3	B2	B3	C2	C3	D2	D3	D4	E2	E3	E4
30	60	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	64.8	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	67.1	70.0	70.0	57.6	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	60.4	70.0	70.0	51.8	70.0	70.0
66		70.0	70.0	70.0	70.0	70.0	70.0	54.9	70.0	70.0	47.1	70.0	70.0
72	66	70.0	70.0	70.0	70.0	70.0	70.0	50.3	70.0	70.0	43.2	64.8	70.0
30		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.3	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	68.6	70.0	70.0	58.9	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	61.0	70.0	70.0	52.4	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	54.9	70.0	70.0	47.1	70.0	70.0
66	72	70.0	70.0	70.0	70.0	70.0	70.0	49.9	70.0	70.0	42.8	64.3	70.0
72		70.0	70.0	70.0	70.0	70.0	70.0	45.7	68.6	70.0	39.3	58.9	70.0
30		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	61.7	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	62.9	70.0	70.0	54.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	55.9	70.0	70.0	48.0	70.0	70.0
60	78	70.0	70.0	70.0	70.0	70.0	70.0	50.3	70.0	70.0	43.2	64.8	70.0
66		70.0	70.0	70.0	70.0	70.0	70.0	45.7	68.6	70.0	39.3	58.9	70.0
72		70.0	70.0	70.0	70.0	70.0	70.0	41.9	62.9	70.0	36.0	54.0	70.0
30		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	66.5	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	66.3	70.0	70.0	57.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	58.0	70.0	70.0	49.8	70.0	70.0
54	84	70.0	70.0	70.0	70.0	70.0	70.0	51.6	70.0	70.0	44.3	66.5	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	46.4	69.6	70.0	39.9	59.8	70.0
66		70.0	70.0	70.0	70.0	70.0	70.0	42.2	63.3	70.0	36.3	54.4	70.0
72		70.0	70.0	70.0	70.0	70.0	70.0	38.7	58.0	70.0	33.2	49.8	66.5
30		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	61.7	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	61.6	70.0	70.0	52.9	70.0	70.0
48	90	70.0	70.0	70.0	70.0	70.0	70.0	53.9	70.0	70.0	46.3	69.4	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	47.9	70.0	70.0	41.1	61.7	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	43.1	64.7	70.0	37.0	55.5	70.0
66		70.0	70.0	70.0	70.0	70.0	70.0	39.2	58.8	70.0	33.7	50.5	67.3
72		70.0	70.0	70.0	70.0	70.0	70.0	35.9	53.9	70.0	30.9	46.3	61.7
30		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.1	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	67.1	70.0	70.0	57.6	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	57.5	70.0	70.0	49.4	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	50.3	70.0	70.0	43.2	64.8	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	44.7	67.1	70.0	38.4	57.6	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	40.2	60.4	70.0	34.6	51.8	69.1
66		70.0	70.0	70.0	70.0	70.0	70.0	36.6	54.9	70.0	31.4	47.1	62.8
72		70.0	70.0	69.7	70.0	65.5	70.0	33.5	50.3	67.1	28.8	43.2	57.6

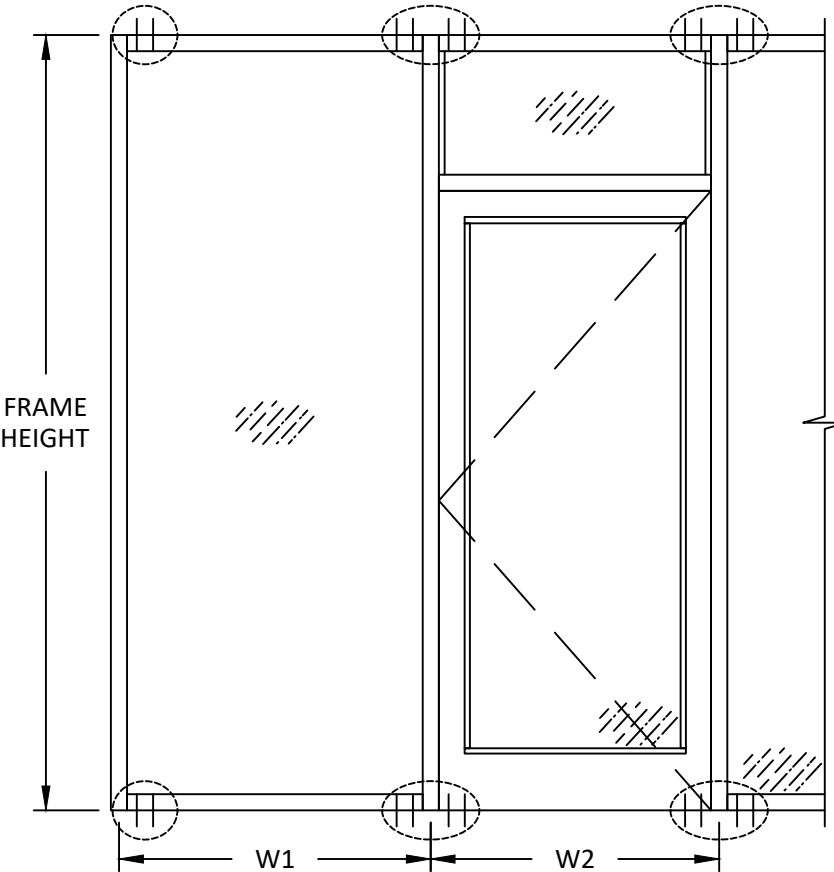
ANCHOR LOAD CAPACITY (PSF) EXT. (+) & INT (-)													
NOMINAL DIMS. (IN.)		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'C'		ANCHOR TYPE 'D'			ANCHOR TYPE 'E'		
TRIBUTARY WIDTH	FRAME HEIGHT	A2	A3	B2	B3	C2	C3	D2	D3	D4	E2	E3	E4
30	96	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	64.8	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	62.9	70.0	70.0	54.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	53.9	70.0	70.0	46.3	69.4	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	47.2	70.0	70.0	40.5	60.8	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	41.9	62.9	70.0	36.0	54.0	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	37.7	56.6	70.0	32.4	48.6	64.8
66		70.0	70.0	70.0	70.0	67.0	70.0	34.3	51.4	68.6	29.5	44.2	58.9
72		70.0	70.0	65.4	70.0	61.4	70.0	31.4	47.2	62.9	27.0	40.5	54.0
30	102	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	61.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	59.2	70.0	70.0	50.8	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	50.7	70.0	70.0	43.6	65.3	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	44.4	66.6	70.0	38.1	57.2	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	39.4	59.2	70.0	33.9	50.8	67.8
60		70.0	70.0	70.0	70.0	69.4	70.0	35.5	53.3	70.0	30.5	45.7	61.0
66		70.0	70.0	67.1	70.0	63.1	70.0	32.3	48.4	64.6	27.7	41.6	55.4
30	108	70.0	70.0	70.0	70.0	70.0	70.0	67.1	70.0	70.0	57.6	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	55.9	70.0	70.0	48.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	47.9	70.0	70.0	41.1	61.7	70.0
48.25		70.0	70.0	70.0	70.0	70.0	70.0	41.7	62.5	70.0	35.8	53.7	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	37.3	55.9	70.0	32.0	48.0	64.0
60		70.0	70.0	69.7	70.0	65.5	70.0	33.5	50.3	67.1	28.8	43.2	57.6
30		114	70.0	70.0	70.0	70.0	70.0	70.0	63.5	70.0	70.0	54.6	70.0
36	70.0		70.0	70.0	70.0	70.0	70.0	52.9	70.0	70.0	45.5	68.2	70.0
42	70.0		70.0	70.0	70.0	70.0	70.0	45.4	68.1	70.0	39.0	58.5	70.0
48.25	70.0		70.0	70.0	70.0	70.0	70.0	39.5	59.3	70.0	33.9	50.9	67.9
54	70.0		70.0	70.0	70.0	69.0	70.0	35.3	52.9	70.0	30.3	45.5	60.6
60	70.0		70.0	66.0	70.0	62.1	70.0	31.8	47.6	63.5	27.3	40.9	54.6
30	119.375		70.0	70.0	70.0	70.0	70.0	70.0	60.7	70.0	70.0	52.1	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	50.6	70.0	70.0	43.4	65.1	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	43.3	65.0	70.0	37.2	55.8	70.0
48.25		70.0	70.0	70.0	70.0	70.0	70.0	37.7	56.6	70.0	32.4	48.6	64.8
54		70.0	70.0	70.0	70.0	65.9	70.0	33.7	50.6	67.4	29.0	43.4	57.9
30	126	70.0	70.0	70.0	70.0	70.0	70.0	57.5	70.0	70.0	49.4	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	47.9	70.0	70.0	41.1	61.7	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	41.1	61.6	70.0	35.3	52.9	70.0
48.25		70.0	70.0	70.0	70.0	69.8	70.0	35.7	53.6	70.0	30.7	46.0	61.4
54		70.0	70.0	66.4	70.0	62.4	70.0	31.9	47.9	63.9	27.4	41.1	54.9
30	132	70.0	70.0	70.0	70.0	70.0	70.0	54.9	70.0	70.0	47.1	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	45.7	68.6	70.0	39.3	58.9	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	39.2	58.8	70.0	33.7	50.5	67.3
48.25		70.0	70.0	70.0	70.0	66.7	70.0	34.1	51.2	68.2	29.3	44.0	58.6
30		138	70.0	70.0	70.0	70.0	70.0	70.0	52.5	70.0	70.0	45.1	67.6
36	70.0		70.0	70.0	70.0	70.0	70.0	43.7	65.6	70.0	37.6	56.3	70.0
42	70.0		70.0	70.0	70.0	70.0	70.0	37.5	56.2	70.0	32.2	48.3	64.4
48.25	70.0		70.0	67.8	70.0	63.8	70.0	32.6	48.9	65.3	28.0	42.0	56.1
30	143.375	70.0	70.0	70.0	70.0	70.0	70.0	50.5	70.0	70.0	43.4	65.1	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	42.1	63.1	70.0	36.2	54.2	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	36.1	54.1	70.0	31.0	46.5	62.0
48.25		70.0	70.0	65.3	70.0	61.4	70.0	31.4	47.1	62.8	27.0	40.5	54.0

DOOR MULLION & ANCHOR LOAD TABLES

DOOR MULLION LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN.)		EXT. (+) INT. (-)
TRIBUTARY WIDTH	FRAME HEIGHT	
36	96	70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72	102	70.0
78		70.0
36		70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72		70.0
78		70.0
36	108	70.0
42		70.0
48		70.0
54		70.0
60		70.0
66		70.0
72	114	70.0
74		70.0
36		70.0
42		70.0
48		70.0
54		70.0
60	119.375	70.0
66		70.0
67.25		70.0



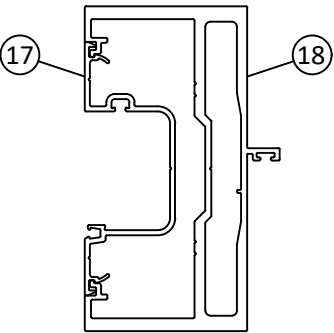
SINGLE DOOR



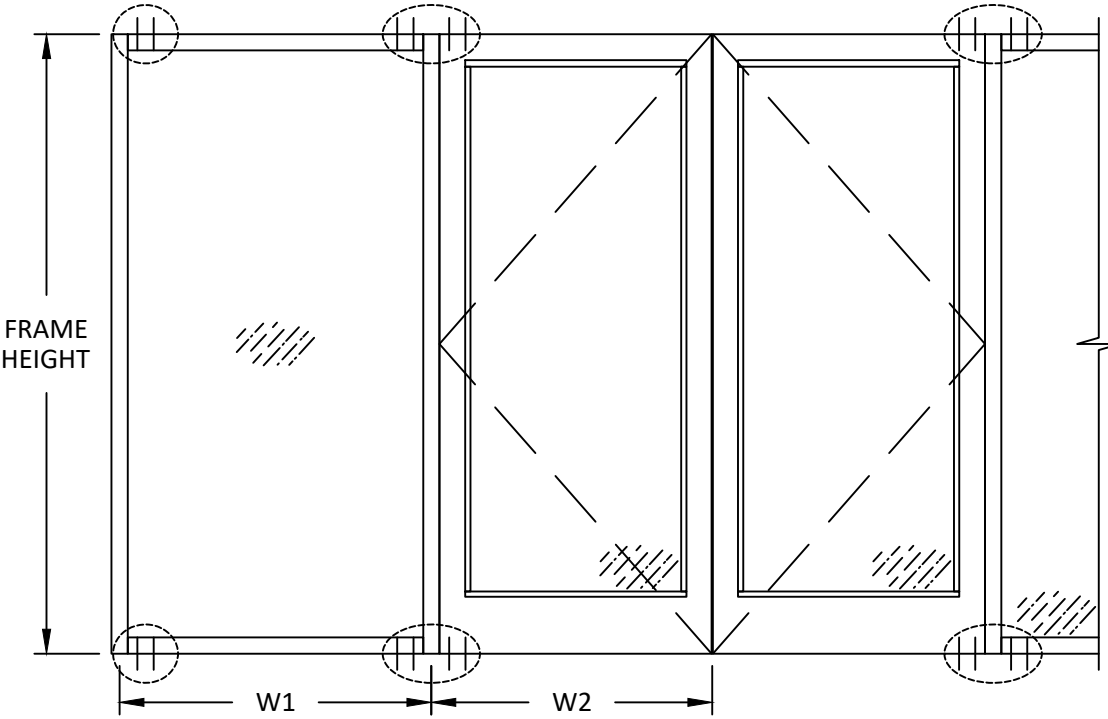
SINGLE DOOR WITH TRANSOM

FOR DOOR MULLION:
TRIBUTARY WIDTH = $\frac{W1+W2}{2}$ OR $\frac{W2+W3}{2}$

ANCHOR TYPE	TOTAL NO. OF ANCHORS REQUIRED AT DOOR MULLION HEAD AND SILL BY DESIGN PRESSURE					
	70 PSF	60 PSF	50 PSF	40 PSF	30 PSF	20 PSF
A	5	4	4	3	2	2
B	5	5	4	3	3	2
C	6	5	4	4	3	2
D	11	9	8	6	5	3
E	13	11	9	7	6	4



DOOR MULLION



DOUBLE DOOR



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

DOOR MULLION & ANCHOR TABLES

PREPARED BY:

BUILDING DROPS, INC.

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

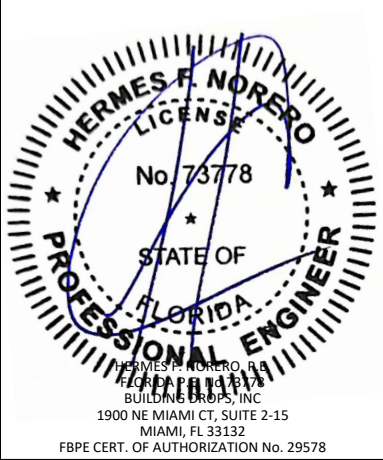
PH: (954)399-8478
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
SHIM SPACE REVISION	DB	02.03.26

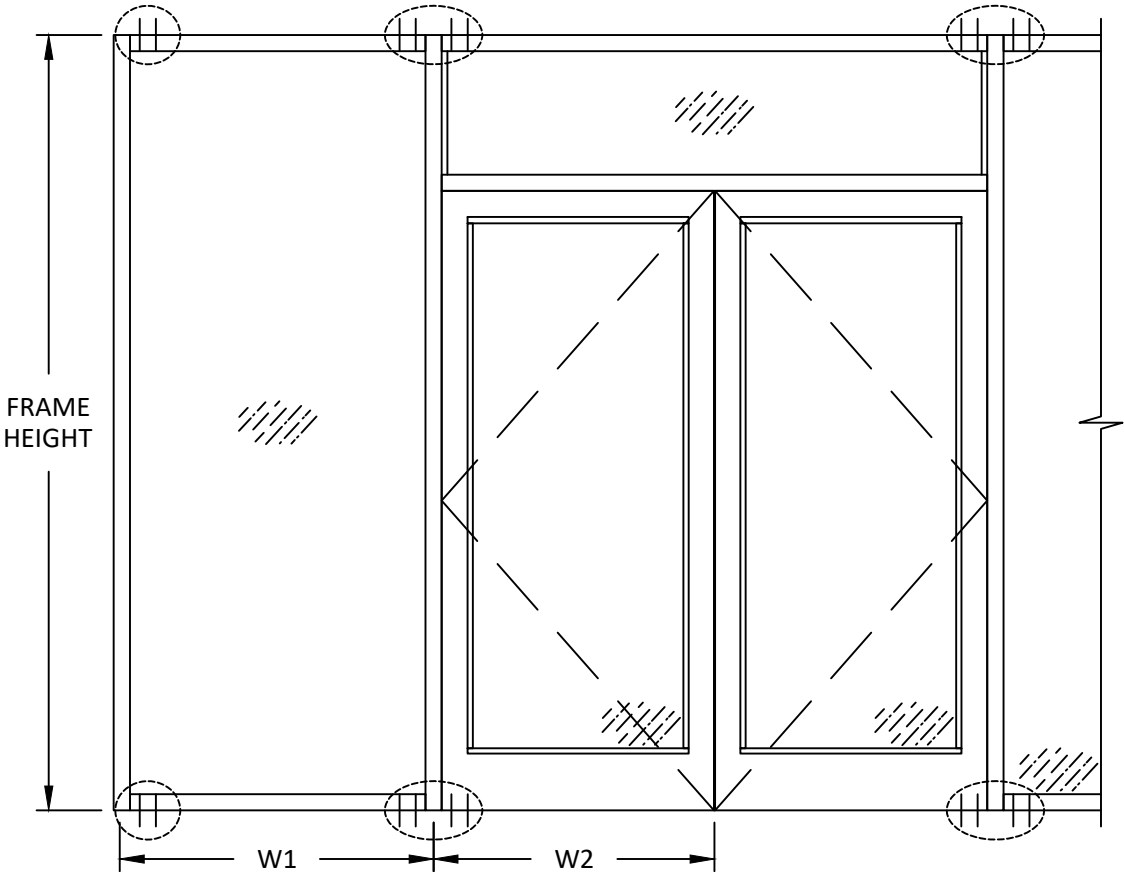
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE
GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR
A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION
TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A
LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE
SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL14218
DATE:	12.07.22
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK287
SHEET	9

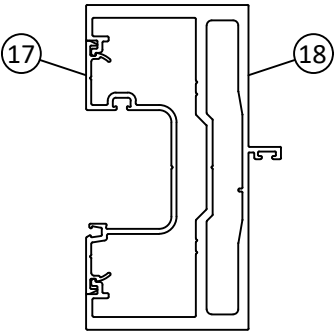
DOOR MULLION & ANCHOR LOAD TABLES

DOOR MULLION LOAD CAPACITY			
NOMINAL DIMS. (IN.)			EXT. (+) INT. (-)
FRAME HEIGHT	DOOR PANEL WIDTH W2	SIDELITE WIDTH W1	
96	30	36	70.0
		48	70.0
		60	70.0
		72	70.0
	36	36	70.0
		48	70.0
		60	70.0
		72	70.0
	42	36	70.0
		48	70.0
		60	70.0
		72	70.0
102	30	36	70.0
		48	70.0
		60	70.0
		72	70.0
	36	36	70.0
		48	70.0
		60	70.0
		72	70.0
	42	36	70.0
		48	70.0
		60	70.0
		72	70.0
108	30	36	70.0
		48	70.0
		60	70.0
		72	70.0
	36	36	70.0
		48	70.0
		60	70.0
		72	70.0
	42	36	70.0
		48	70.0
		60	70.0
		72	70.0
114	30	36	70.0
		48	70.0
		60	70.0
		72	70.0
	36	36	70.0
		48	70.0
		60	70.0
		72	70.0
	42	36	70.0
		48	70.0
		60	70.0
		72	70.0
119.375	30	36	70.0
		48	70.0
		60	70.0
		72	70.0
	36	36	70.0
		48	70.0
		60	70.0
		72	70.0
	42	36	70.0
		48	70.0
		60	70.0
		72	70.0



DOUBLE DOOR WITH TRANSOM

ANCHOR TYPE	TOTAL NO. OF ANCHORS REQUIRED AT DOOR MULLION HEAD/SILL BY DESIGN PRESSURE					
	70 PSF	60 PSF	50 PSF	40 PSF	30 PSF	20 PSF
A	5	4	4	3	2	2
B	5	5	4	3	3	2
C	6	5	4	3	3	2
D	11	9	8	6	5	3
E	12	11	9	7	6	4



DOOR MULLION



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

DOOR MULLION & ANCHOR TABLES

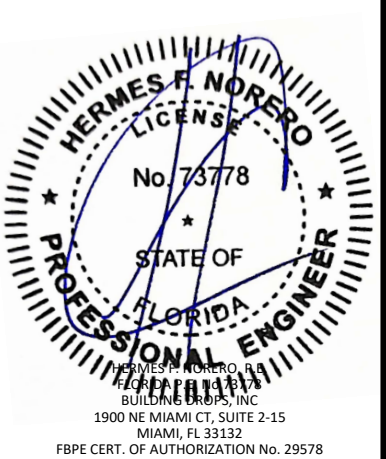
PREPARED BY:
BUILDING DROPS, INC.

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



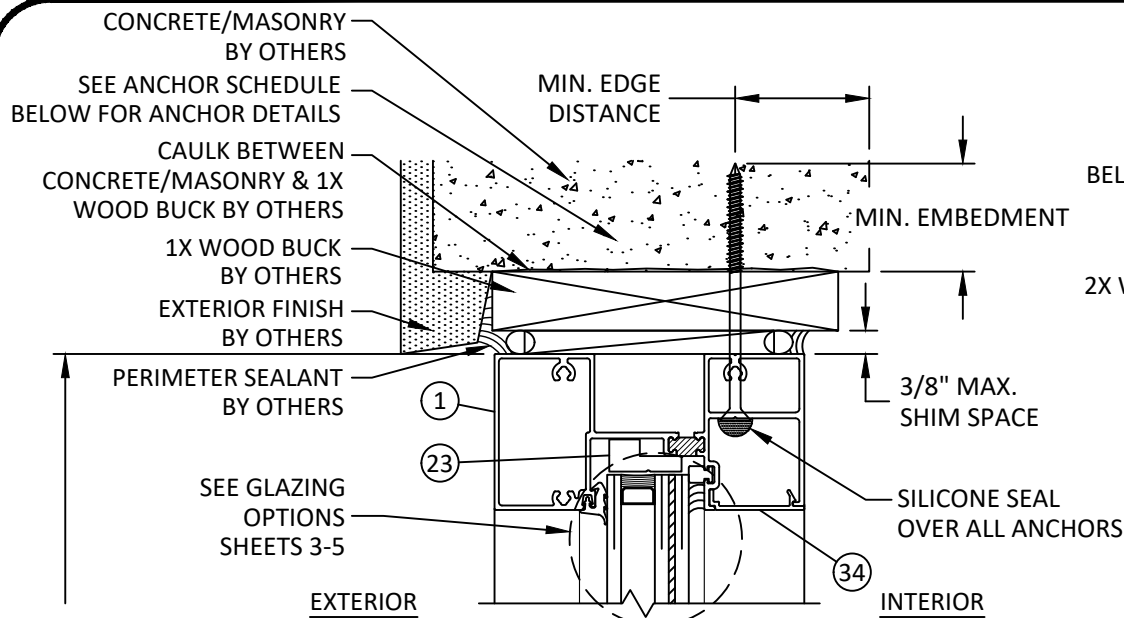
REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
SHIM SPACE REVISION	DB	02.03.26

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.

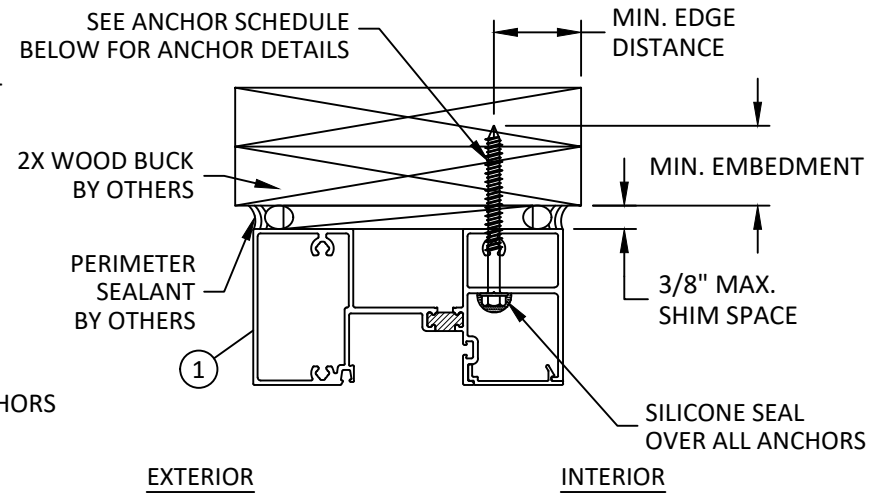


FL #:	FL14218
DATE:	12.07.22
DWG. BY:	CHK. BY:
MS	HFN
SCALE:	NTS
DWG. #:	YKK287
SHEET	10

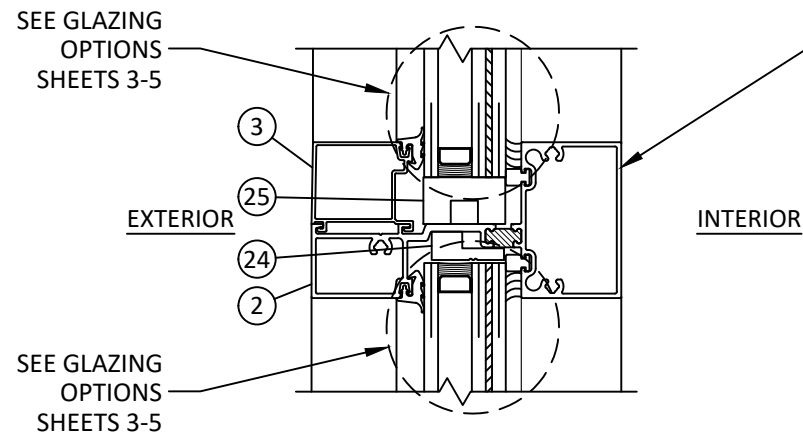
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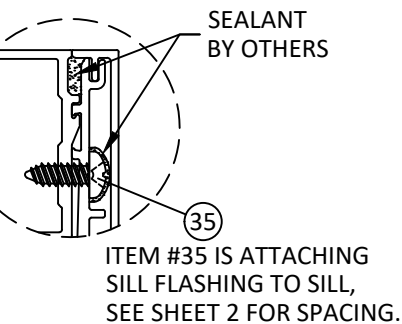
A
11 VERTICAL SECTION
HEAD - CONCRETE/MASONRY W/ 1X BUCK



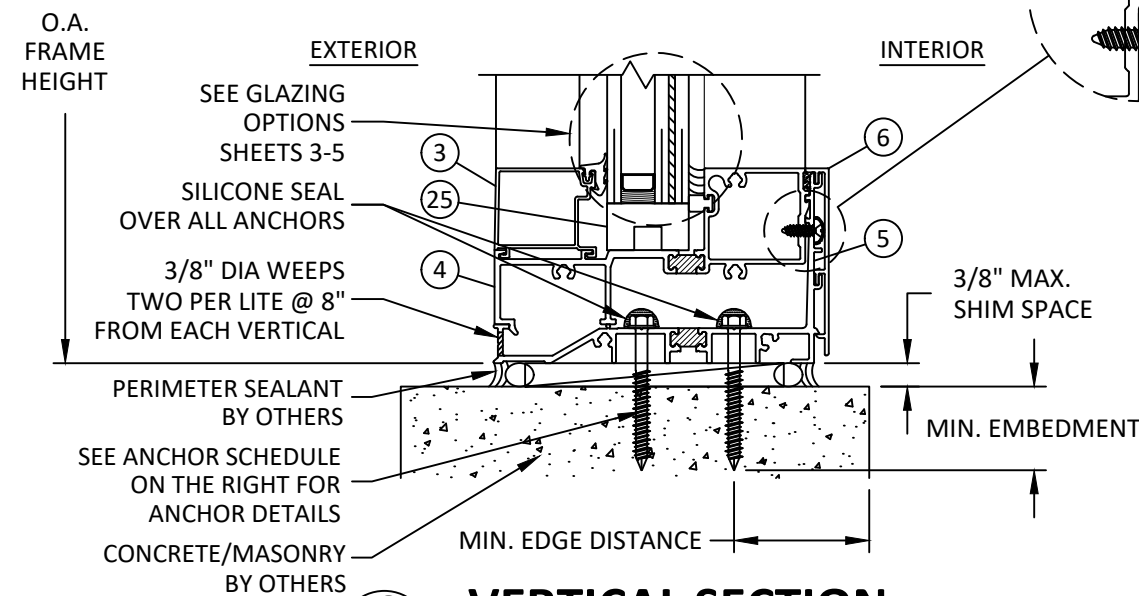
D
11 VERTICAL SECTION
HEAD - WOOD FRAMING
TYPICAL INSTALLATION



B
11 VERTICAL SECTION
HORIZONTAL MEMBER



ITEM #35 IS ATTACHING
SILL FLASHING TO SILL,
SEE SHEET 2 FOR SPACING.



C
11 VERTICAL SECTION
SILL - DIRECT TO CONCRETE

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN (IN.)	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ. (IN.)	MAX DESIGN LOADS (PSF)
45.5	102.375	70
51.25	80	48
57.25	64	35
63.25	52	26
69.25	44	21

YHS 50 TU PRE-GLAZED ANCHOR SCHEDULE				
ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	5/16" DEWALT ULTRACON	CONCRETE MIN. F'C = 3000 PSI	2"	3-1/8"
	5/16" ITW TAPCON+		1-1/4"	2-3/16"
	5/16" SELF-DRILLING SCREW (GRADE 5)	STEEL: MIN. 12 GA., MIN. Fy=36 KSI ALUM.: MIN. 1/8", MIN. 6063-T5"	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"
B	5/16" ITW TAPCON+	GROUT-FILLED BLOCK PER C-90, MIN. F'C = 2000 PSI	1-1/4"	3"
	5/16" DEWALT ULTRACON	WOOD MIN. S.G. = 0.55	1-1/2"	1-9/16"
	5/16" DEWALT TAPPER+	CONCRETE MIN. F'C = 3000 PSI	1-3/4"	2-1/2"
C	1/4" SELF-DRILLING SCREW (GRADE 5)	STEEL: MIN. 12 GA., MIN. Fy=36 KSI ALUM.: MIN. 1/8", MIN. 6063-T5"	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"
D	1/4" ITW TAPCON	CONCRETE MIN. F'C = 3000 PSI	1-3/4"	1-1/2"
	1/4" DEWALT ULTRACON+		1-3/4"	1-1/2"
	5/16" DEWALT ULTRACON	GROUT-FILLED BLOCK PER C-90, MIN. F'C = 2000 PSI	1-3/4"	2-1/2"
	1/4" DEWALT TAPPER+		1-1/2"	3"
E	1/4" DEWALT ULTRACON+	WOOD MIN. S.G. = 0.55	1-1/2"	1"
	1/4" DEWALT TAPPER+	CONCRETE MIN. F'C = 3000 PSI	1-3/4"	1-3/4"
	1/4" DEWALT ULTRACON+		1-3/4"	1-1/2"
	1/4" ITW TAPCON	GROUT-FILLED BLOCK PER C-90, MIN. F'C = 2000 PSI	1"	2"



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

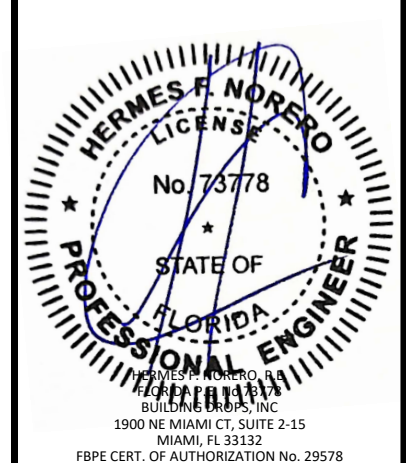
TITLE: YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)
VERTICAL SECTIONS &
ANCHOR DESCRIPTION

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



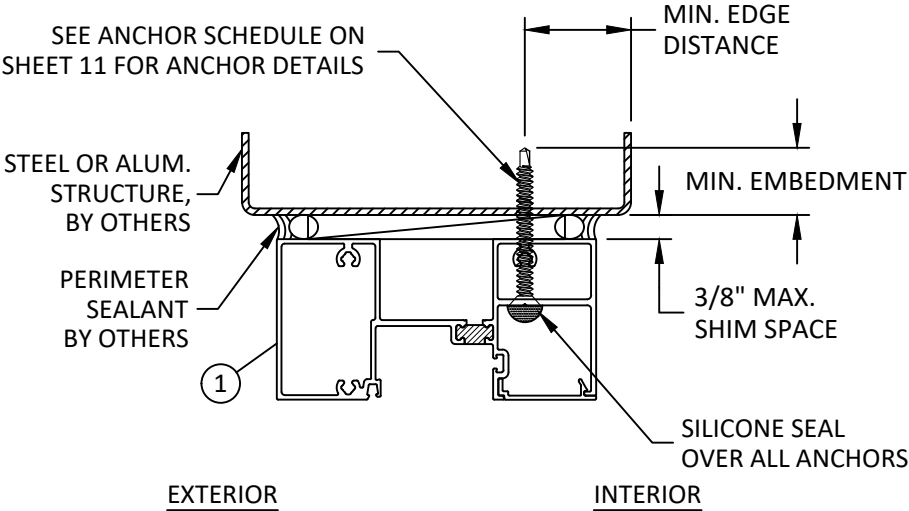
REMARKS	BY	DATE
PROFILE UPDATE	SH	07.03.24
SHIM SPACE REVISION	DB	02.03.26

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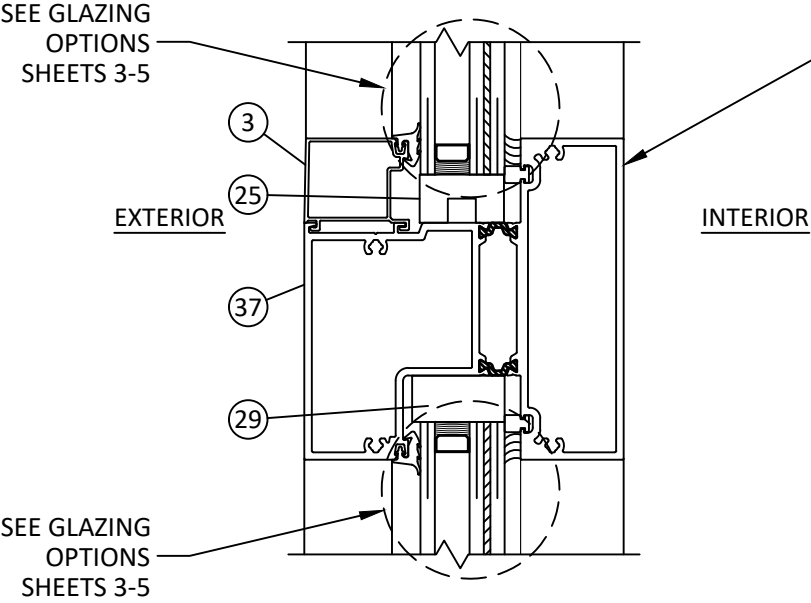


FL #:	FL14218
DATE:	12.07.22
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK287
SHEET	11

c:\users\sebastianherrerros\building drops, inc\building drops, inc\projects\ykk ap america, inc\fbc-26-0123 - fl14218 yhs 50 tu pre-glazed storefront systems\dwgs\ykk287.dwg 2/9/2026 3:36 PM



E
11A **VERTICAL SECTION**
HEAD - METAL SUBSTRATE
TYPICAL INSTALLATION



B1
11A **VERTICAL SECTION**
HORIZONTAL MEMBER

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN (IN.)	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ. (IN.)	MAX DESIGN LOADS (PSF)
45.5	102.375	70
51.25	80	48
57.25	64	35
63.25	52	26
69.25	44	21



Quality
inspires™

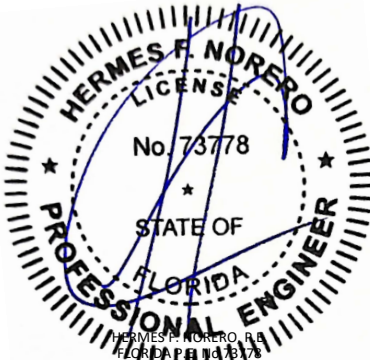
YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)
VERTICAL SECTIONS

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

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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

FL #:
FL14218

DATE: **12.07.22**

DWG. BY:
MS

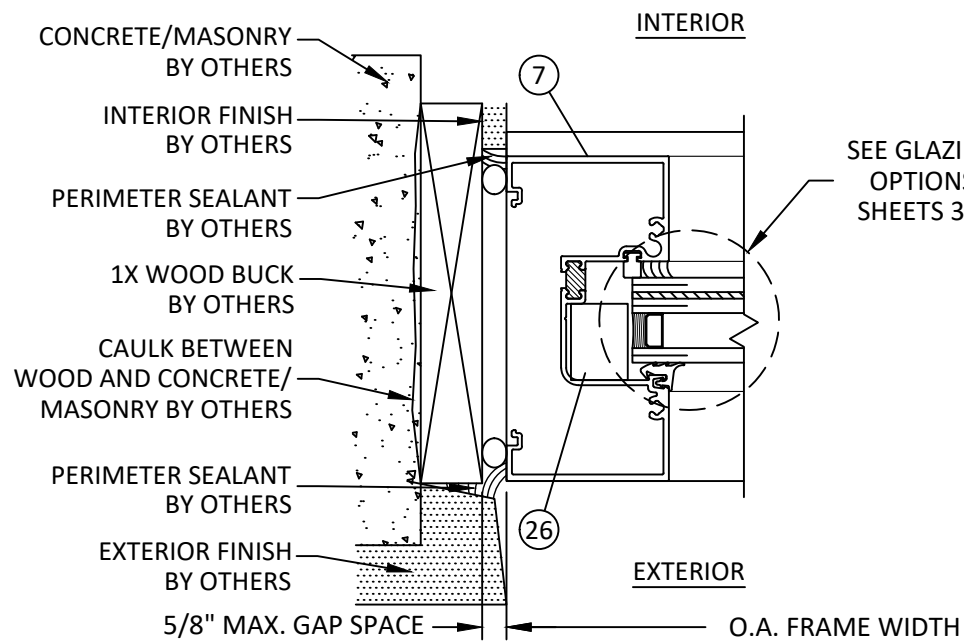
CHK. BY:
HFN

SCALE: **NTS**

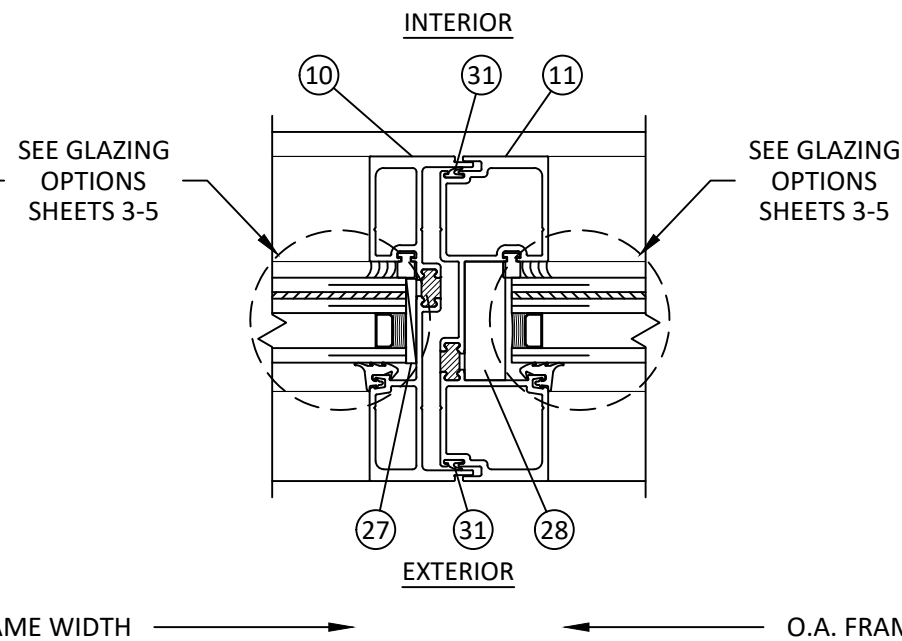
DWG. #: **YKK287**

SHEET
11A
[Page 12 of 16]

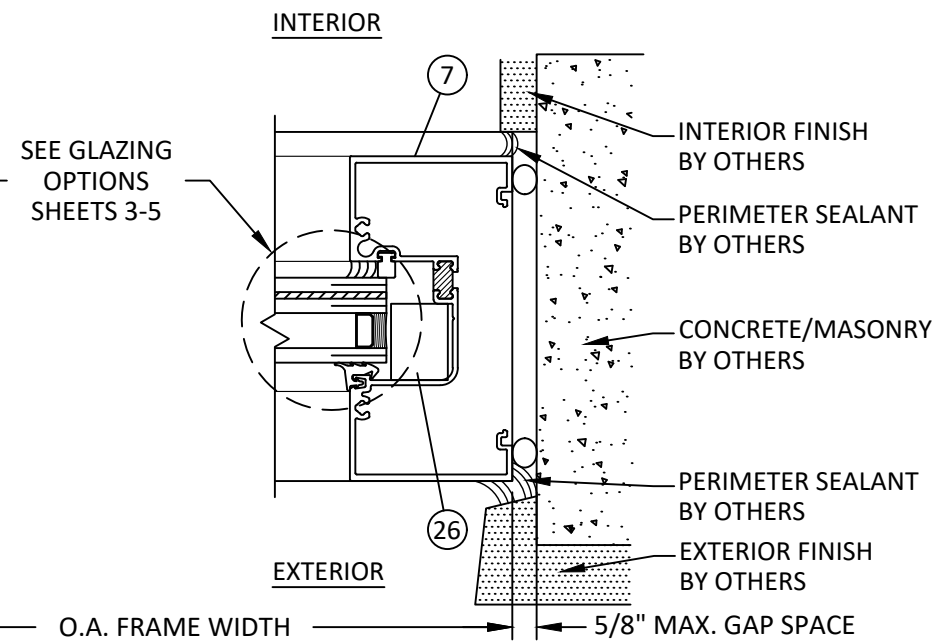
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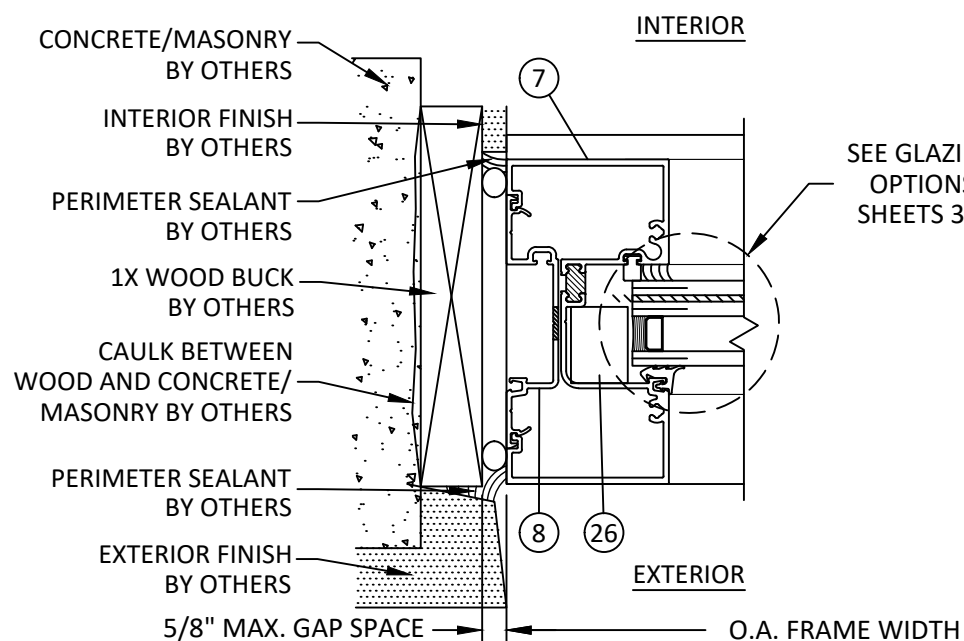
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12 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



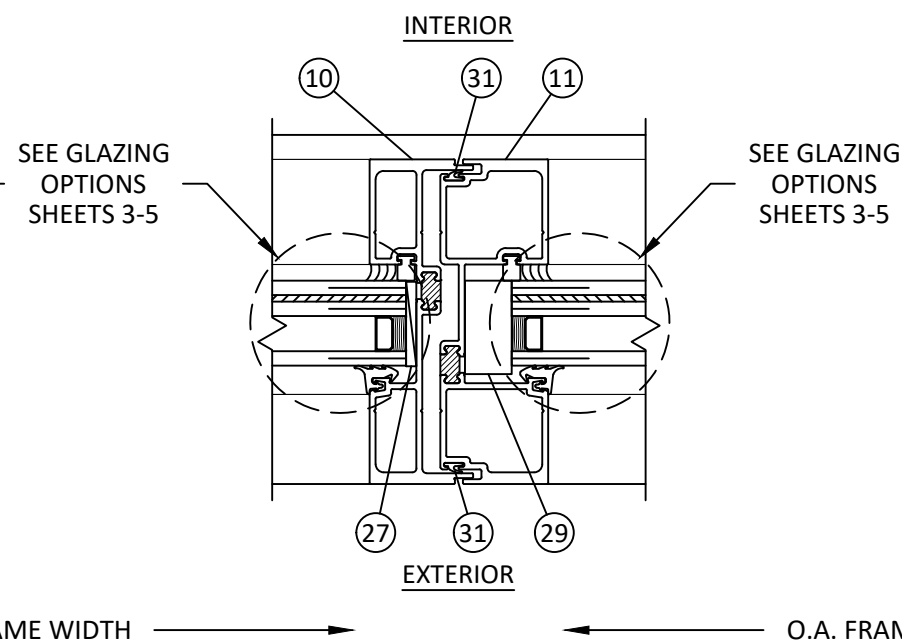
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12 **HORIZONTAL SECTION**
VERTICAL MULLION
STANDARD CONFIGURATION



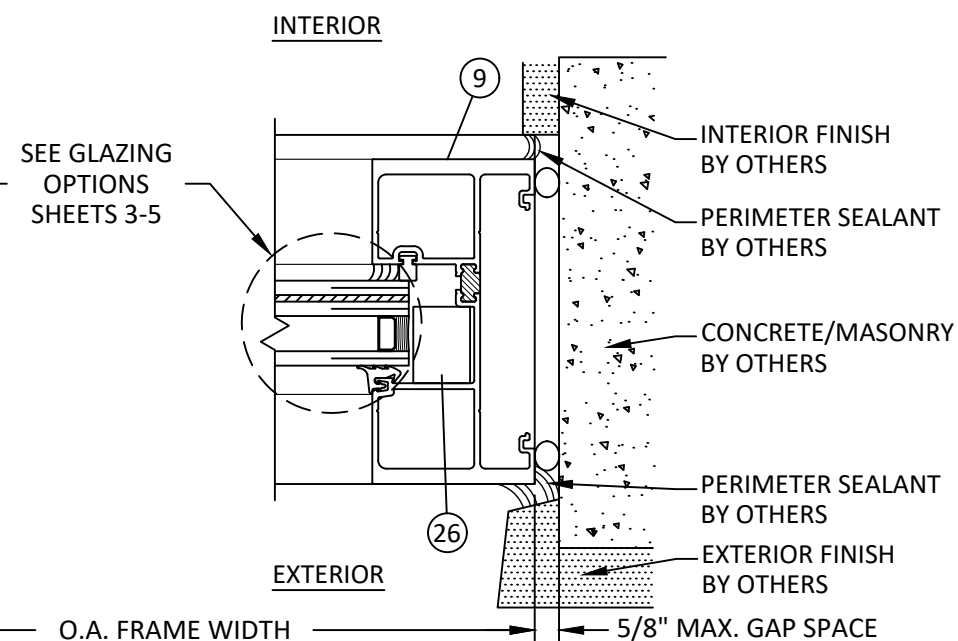
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12 **HORIZONTAL SECTION**
JAMB - DIRECT TO CONCRETE/MASONRY
STANDARD CONFIGURATION



I
12 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



J
12 **HORIZONTAL SECTION**
VERTICAL MULLION
AT END BAY ONLY



K
12 **HORIZONTAL SECTION**
JAMB - DIRECT TO CONCRETE/MASONRY
HEAVY CONFIGURATION



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101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.

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

PH: (954) 399-8478

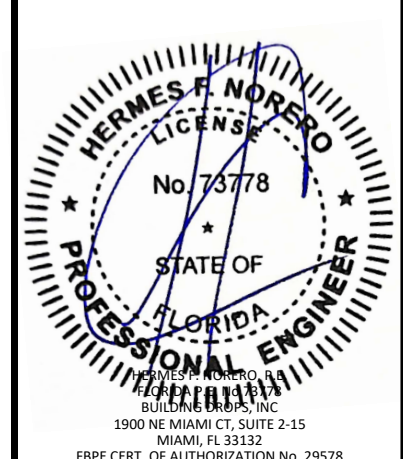
FAX: (954) 744-4738

WEB: www.buildingdrops.com



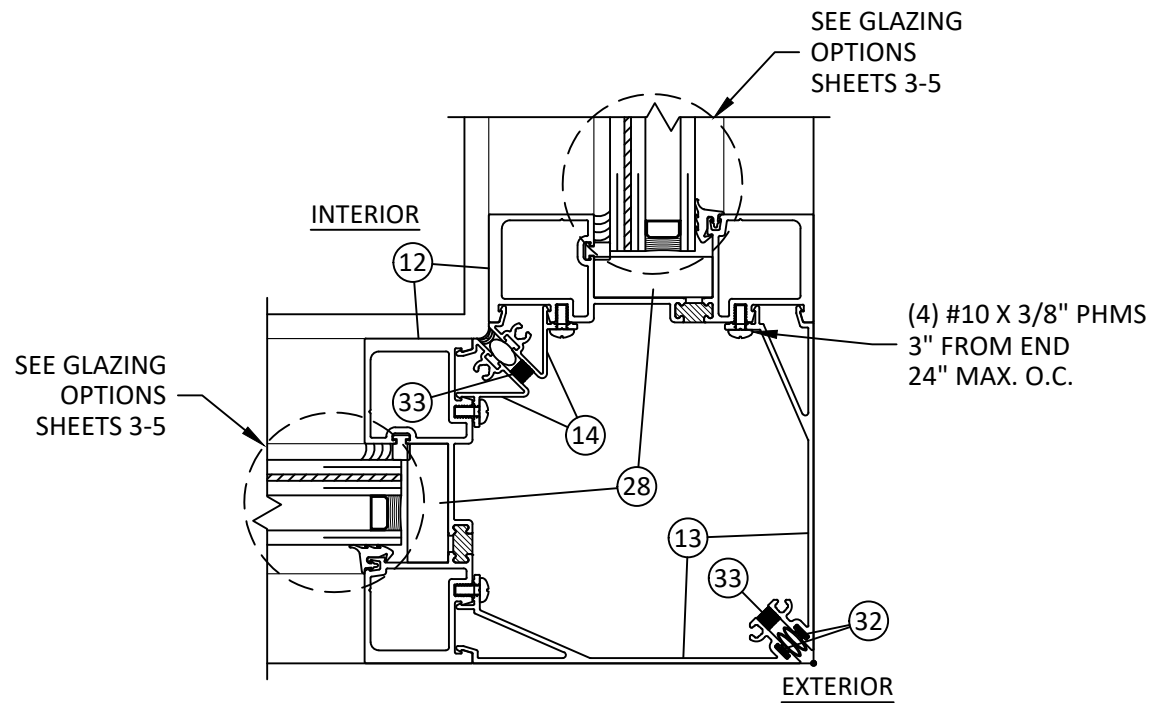
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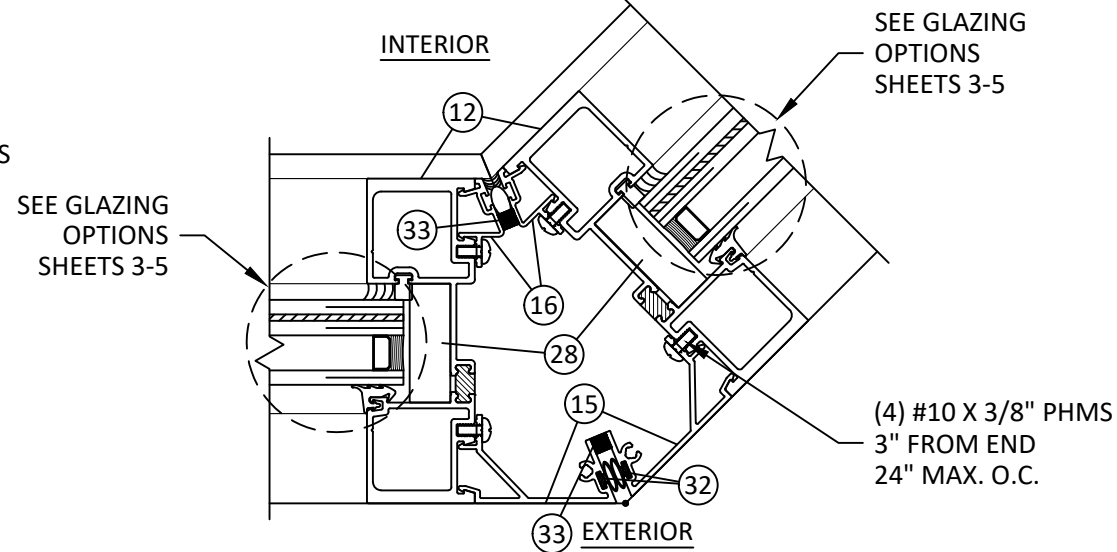


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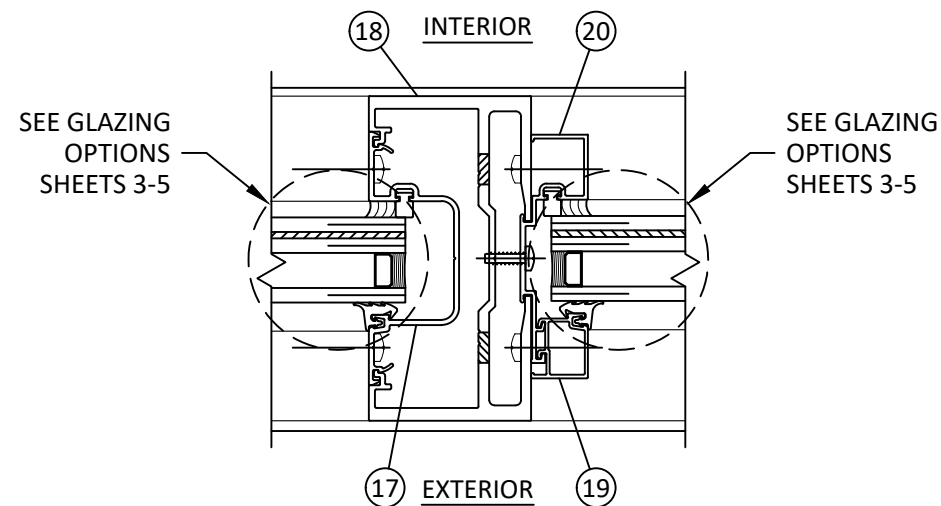
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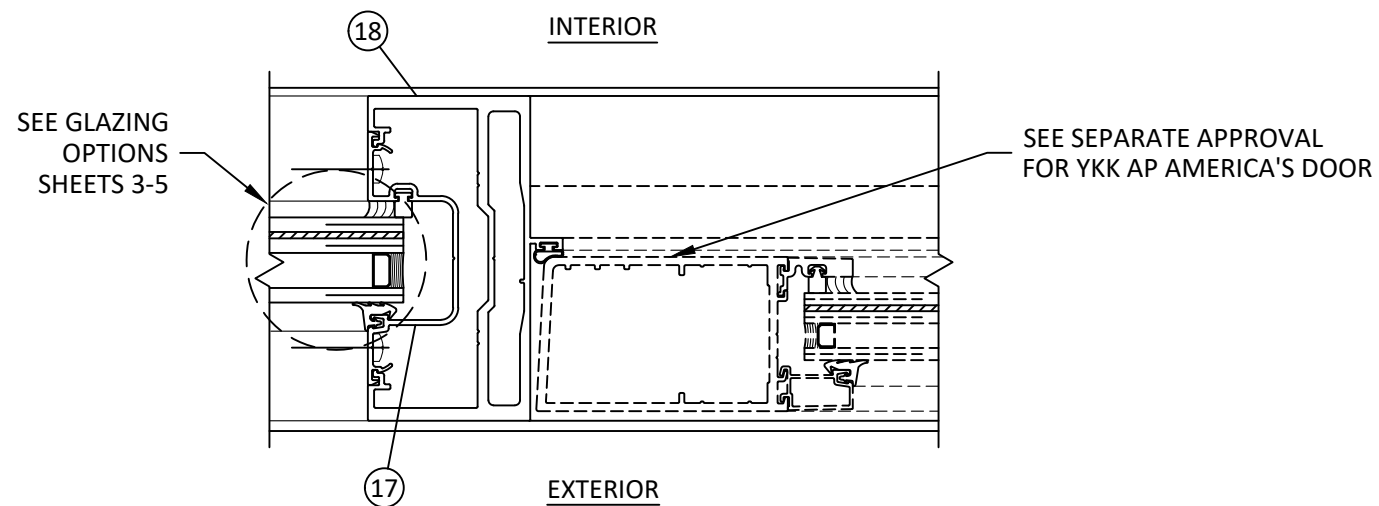
L
13 HORIZONTAL SECTION
90° CORNER MULLION



M
13 HORIZONTAL SECTION
135° CORNER MULLION



N
13 HORIZONTAL SECTION
DOOR TRANSOM MULLION



O
13 HORIZONTAL SECTION
DOOR JAMB MULLION



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
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TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:
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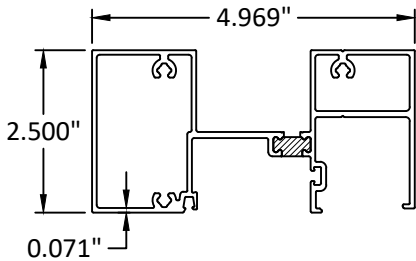
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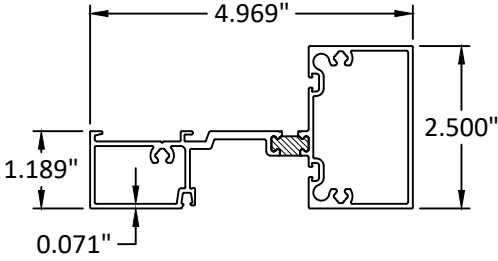


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MS	HFN
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SHEET	13

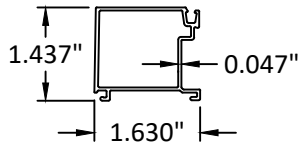
BILL OF MATERIAL			
ITEM	PART NO.	DESCRIPTION	MATERIAL
1	BE9-0631	OG HEAD	6063-T5
2	BE9-0683	OG HORIZONTAL	6063-T5
3	E9-0658	GLASS STOP	6063-T5
4	BE9-0632	OG SILL	6063-T5
5	BE9-0639	SILL FLASHING	6063-T5
6	E9-6342	SILL FLASHING INTERIOR COVER	6063-T5
7	BE9-0681	JAMB	6063-T5
8	BE9-0655	SHALLOW POCKET FILLER	6063-T5
9	BE9-0684	HEAVY DUTY JAMB	6063-T5
10	BE9-0634	VERTICAL (MALE)	6063-T5
11	BE9-0635	VERTICAL (FEMALE)	6063-T5
12	BE9-0667	CORNER MULLION	6063-T5
13	E9-0668	(LG.) 90° CORNER ADAP.	6063-T5
14	E9-0669	(SML.) 90° CORNER ADAP.	6063-T5
15	E9-0670	(LG.) 135° CORNER ADAP.	6063-T5
16	E9-0671	(SML.) 135° CORNER ADAP.	6063-T5
17	E9-0656	DEEP POCKET FILLER	6063-T5
18	AS-0504	DOOR JAMB	6063-T5
19	E9-0506	TRANSOM GLASS STOP	6063-T6
20	E9-0515	TRANSOM GLAZING POCKET FILLER	6063-T5
21	E2-0083	PUSH-IN GASKET	EPDM
22	E2-0084	PRE-SET SPACER	EPDM
23	E2-0673PC	SETTING BLOCK	EPDM
24	E2-0674PC	SETTING BLOCK	EPDM
25	E2-0095	SETTING BLOCK	EPDM (85±5)
26	E2-0807	W BLOCK	EPDM
27	E2-0096	SIDE BLOCK	EPDM
28	E2-0546	W BLOCK	EPDM
29	E2-0075	SIDE BLOCK	EPDM
30	E2-0088	DRY GLAZE GASKET	EPDM
31	E2-0065	WEATHERING GASKET	EPDM
32	E2-0051	ELASTOMER WEATHERING	EPDM
33	E2-0110	TAPE	POLYURETHANE
34	Y7-9599	FILLER	6063-T5
35	PC-1008	#10 X 1/2" PHSMS (ATTACHING SILL FLASHING TO SILL)	STEEL
36	PC-1220	#12 X 1-1/4" PHSMS (SCREW SPLINE ATT.)	STEEL
37	BY7-8506	5" OG HORIZONTAL	6063-T5



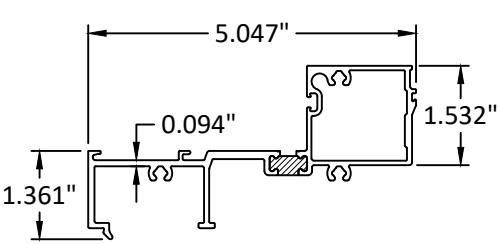
1 OG HEAD



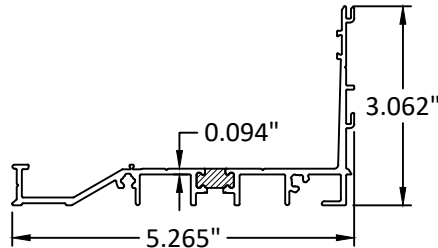
2 OG HORIZONTAL



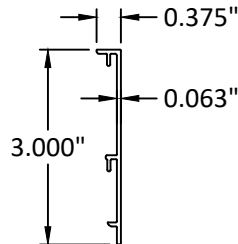
3 GLASS STOP



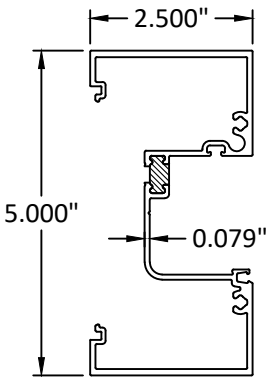
4 OG SILL



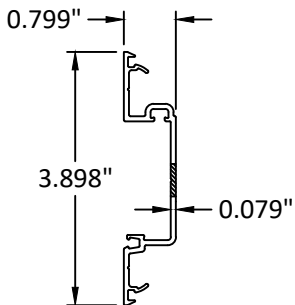
5 SILL FLASHING



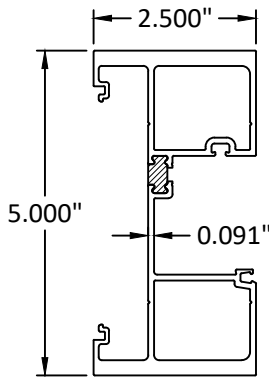
6 COVER



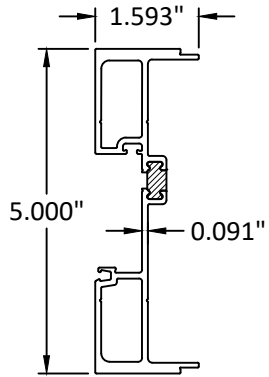
7 JAMB



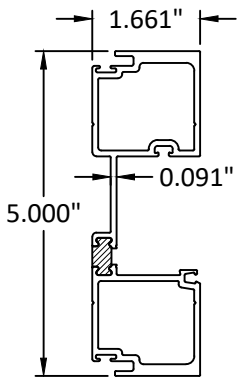
8 SHALLOW POCKET FILLER



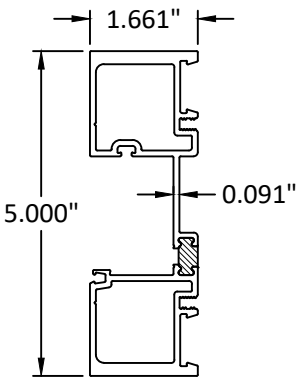
9 HD JAMB



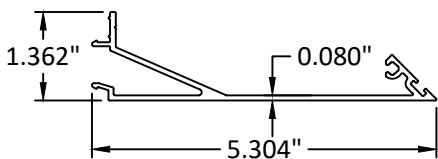
10 VERTICAL (MALE)



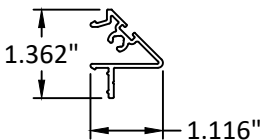
11 VERTICAL (FEMALE)



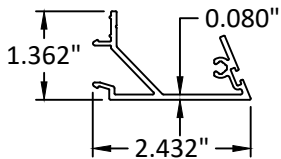
12 CORNER MULLION



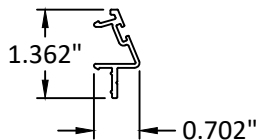
13 (LG.) 90° CORNER ADAP.



14 (SML.) 90° CORNER ADAP.



15 (LG.) 135° CORNER ADAP.



16 (SML.) 135° CORNER ADAP.



YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 TU PRE-GLAZED ALUMINUM
STOREFRONT SYSTEM - OUTSIDE GLAZED
(WZ3) (IMPACT)

COMPONENTS & 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
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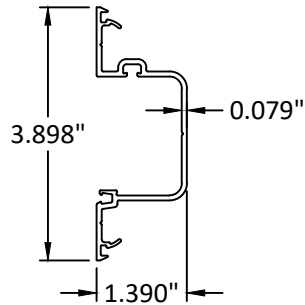
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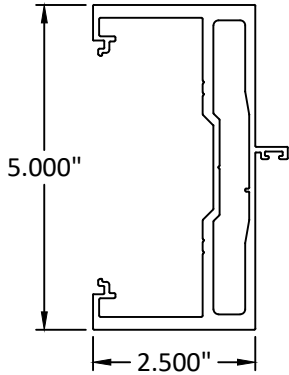
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SHEET	

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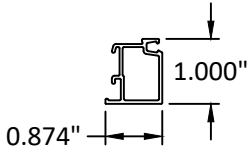
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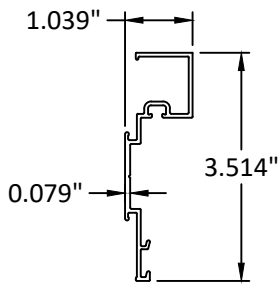
17 DEEP POCKET FILLER



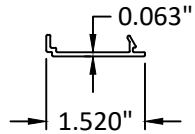
18 DOOR JAMB



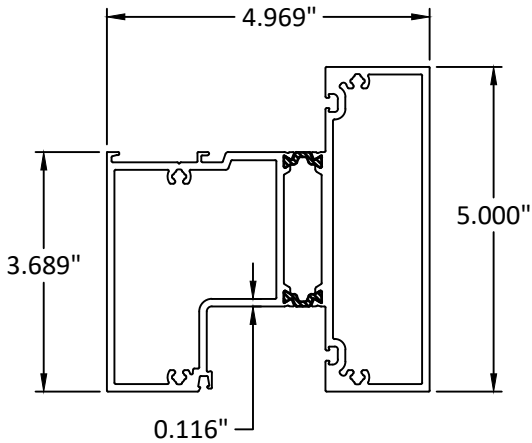
19 TRANSOM GLASS STOP



20 TRANSOM GLAZING POCKET POCKET



34 FILLER



37 5" OG HORIZONTAL



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COMPONENTS

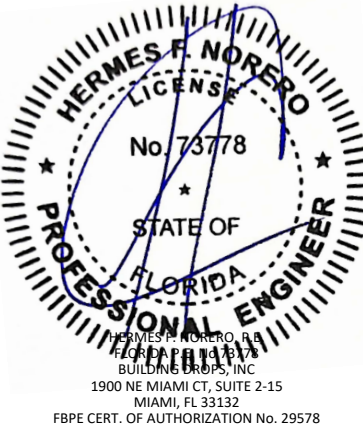
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SHEET

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