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YKK AP AMERICA, INC.

YHS 50 FS ALUMINUM STOREFRONT SYSTEM - INSIDE GLAZED (HVHZ) (IMPACT)

INSTALLATION NOTES:

- SEE SHEET 13 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.
 - 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).
- 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 12 GA. WALL THICKNESS.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.

GENERAL NOTES:

- 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
 - AAMA 501-25
 - ASTM E1886-19
 - ASTM E1996-23
- 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. SEE SHEETS 3 & 4 FOR LMI AND SMI GLASS TYPES.
- 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 SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEETS 3 & 4 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUT
3	SMI GLAZING DETAILS
4	LMI GLAZING DETAILS
5	LIGHT MULLION TABLES
6	MEDIUM MULLION TABLES
7	HEAVY MULLION TABLES & EXPANSION MULLION TABLE
8	HEAVY MULLION TABLES S.M.I. ONLY & EXPANSION MULLION TABLE
9	TYPE A & B ANCHOR TABLES
10	TYPE C & D ANCHOR TABLES
10A	TYPE E ANCHOR TABLES
11	DOOR MULLION TABLE
12	DOOR MULLION TABLES (1)
13	VERTICAL SECTIONS & ANCHOR DESCRIPTIONS
14	HORIZONTAL SECTIONS
15	HORIZONTAL SECTIONS
16	COMPONENTS & BILL OF MATERIALS
17	COMPONENTS

INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG, HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- SEE CHARTS ON SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 5, 6, 7, & 8 FOR STORE FRONT MULLION AND SHEETS 11 & 12 FOR DOOR MULLION, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 9, 10, & 10A SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- THE LOWEST VALUE RESULTING FROM STEP 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.



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

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

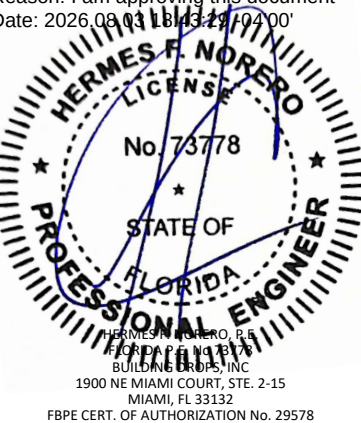


BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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REMARKS	BY	DATE
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.03 18:43:29 -04'00'



HERMES F. NORERO, P.E.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL14218

DATE:

10.26.15

DWG. BY:

SM

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK163

SHEET:

1

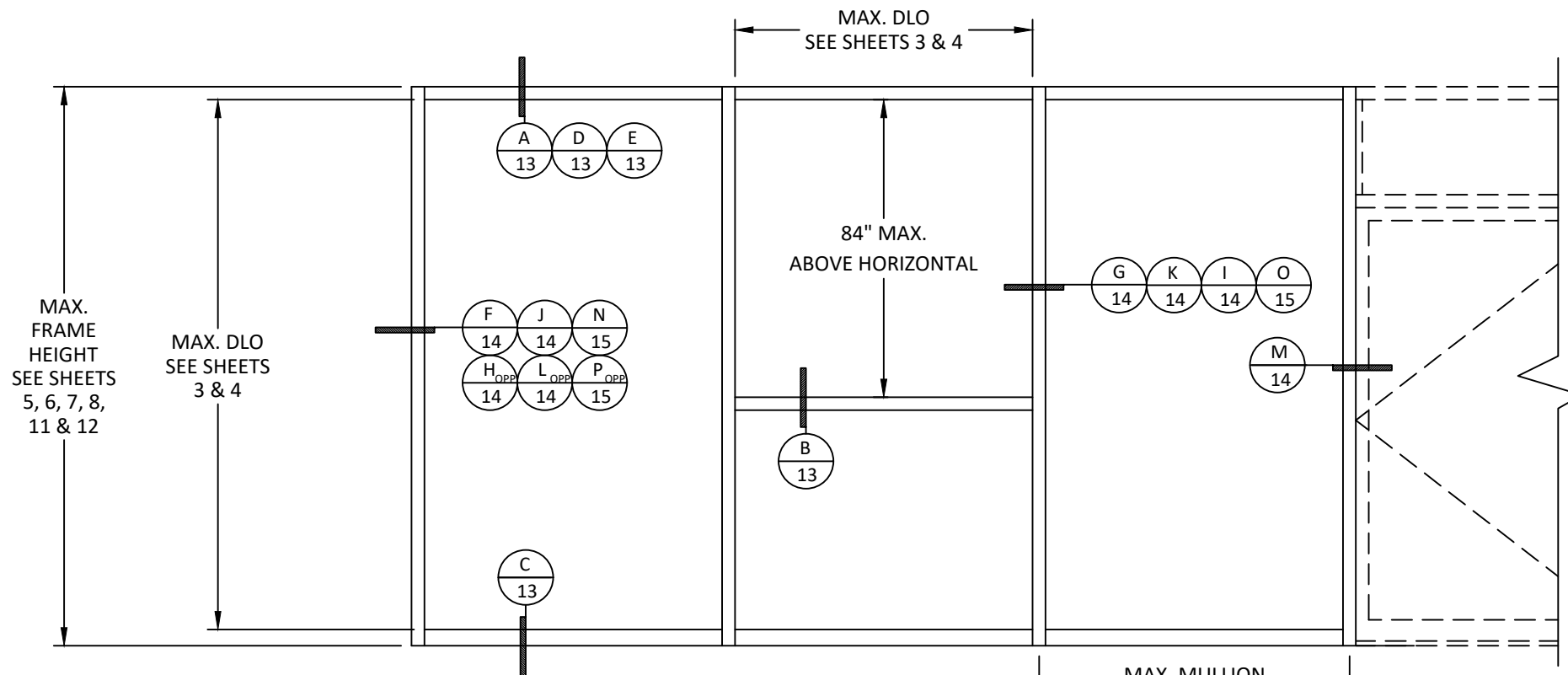
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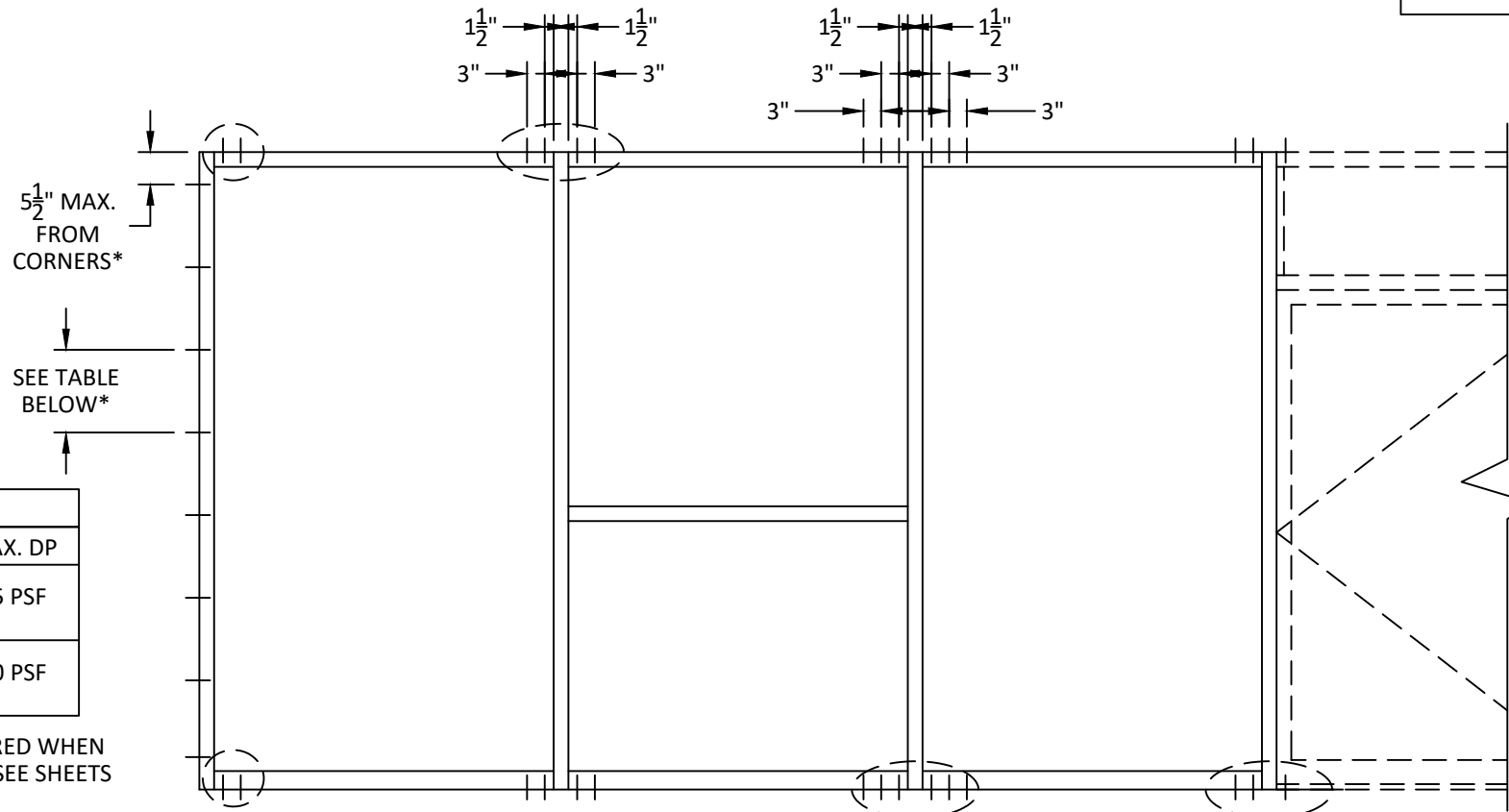


ELEVATION
TYPICAL YHS 50 FS STOREFRONT

SEE SEPARATE DOOR APPROVAL FOR DOOR RATING & DETAILS.
LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

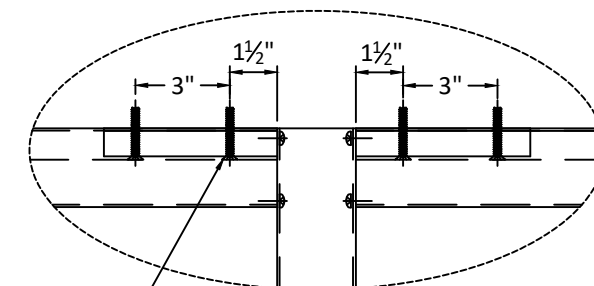
JAMB ANCHOR SPACING*		
ANCHOR TYPE	MAX. SPACING	MAX. DP
A OR B	18.75"	65 PSF
C, E OR D	13"	
A OR B	13.5"	90 PSF
C, E OR D	9.375"	

*NOTE: JAMB ANCHORS ARE ONLY REQUIRED WHEN USING "HEAVY" JAMB CONFIGURATIONS, SEE SHEETS 14 AND 15 FOR JAMB DETAILS

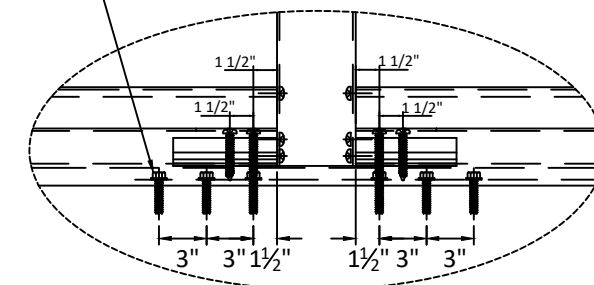


TYPICAL ANCHOR LAYOUT

FOR DOOR ADJACENT MULLION ANCHOR REQUIREMENTS SEE SHEETS 11 & 12



ANCHORS, TYPE A, B, C, D OR E
SEE SHEETS 9, 10, & 10A FOR QUANTITIES
AND SHEET 13 FOR DESCRIPTION



ANCHORS, TYPE A, B, C, D OR E
SEE SHEETS 9, 10, & 10A FOR QUANTITIES
AND SHEET 13 FOR DESCRIPTION



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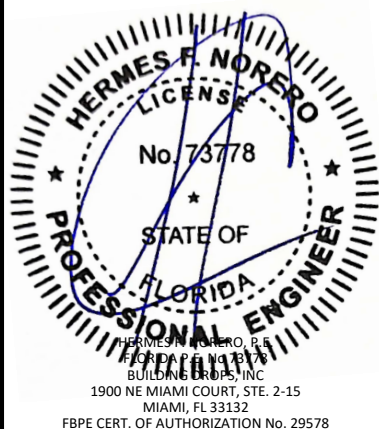
TITLE: YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
ELEVATION &
ANCHOR LAYOUT

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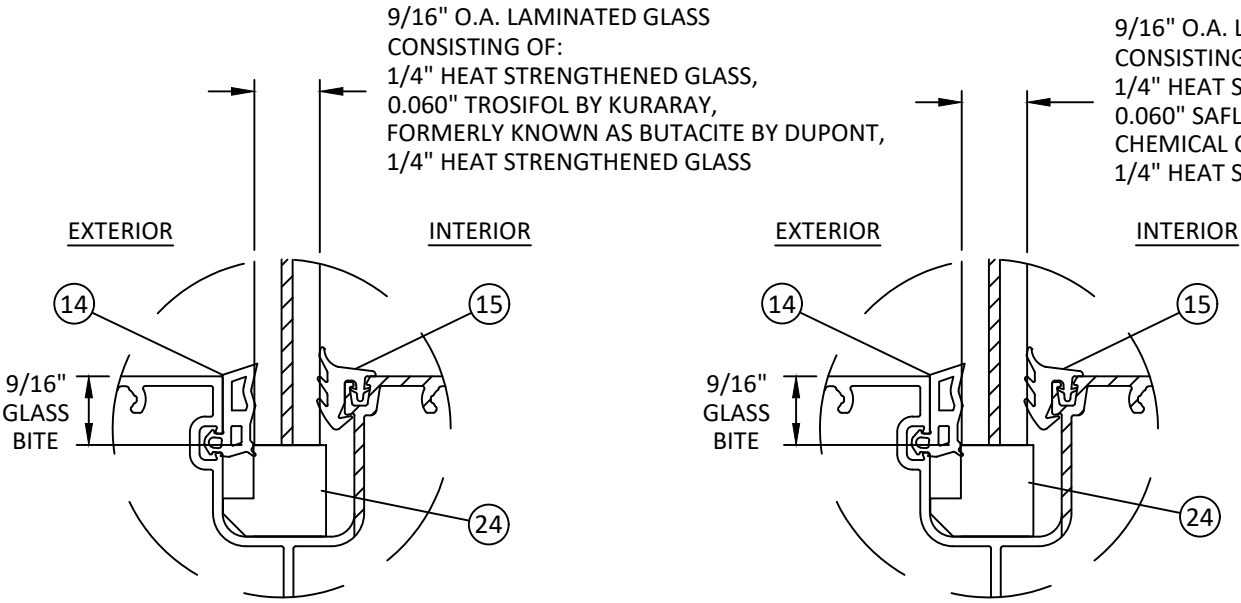
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GLASS TYPES
SMALL MISSILE IMPACT ONLY

GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)			
DAYLIGHT OPENING (IN)		GLASS TYPE A OR B	DAYLIGHT OPENING (IN)		GLASS TYPE A OR B	DAYLIGHT OPENING (IN)		GLASS TYPE A OR B	
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	
27.5	54.375	90.0	27.5	78.375	90.0	27.5	102.375	90.0	
33.5		90.0	33.5		90.0	33.5		90.0	
39.5		90.0	39.5		90.0	39.5		90.0	
45.5		90.0	45.5		90.0	45.5		90.0	
51.5		90.0	51.5		90.0	51.5		90.0	
57.5		90.0	57.5		90.0	57.5		90.0	
63.5		90.0	63.5		81.5	63.5		81.5	
69.5		90.0	69.5		74.5	27.5		108.375	90.0
27.5	60.375	90.0	27.5	90.0	33.5	90.0			
33.5		90.0	33.5	90.0	39.5	90.0			
39.5		90.0	39.5	90.0	45.5	90.0			
45.5		90.0	45.5	90.0	51.5	90.0			
51.5		90.0	51.5	90.0	57.5	90.0			
57.5		90.0	57.5	90.0	60.5	85.5			
63.5		90.0	63.5	81.5	27.5	114.375	90.0		
69.5		90.0	69.5	74.5	33.5		90.0		
27.5	66.375	90.0	27.5	90.0	39.5		90.0		
33.5		90.0	33.5	90.0	45.5		90.0		
39.5		90.0	39.5	90.0	51.5		90.0		
45.5		90.0	45.5	90.0	57.5		90.0		
51.5		90.0	51.5	90.0	27.5		120.375	90.0	
57.5		90.0	57.5	90.0	33.5			90.0	
63.5		81.5	63.5	81.5	38.5	90.0			
69.5		81.6	69.5	74.5	27.5	126.375		90.0	
27.5	72.375	90.0	27.5	90.0	33.5			90.0	
33.5		90.0	33.5	90.0	36.5			90.0	
39.5		90.0	39.5	90.0	27.5			132.375	90.0
45.5		90.0	45.5	90.0	33.5				90.0
51.5		90.0	51.5	90.0	34.5		90.0		
57.5		90.0	57.5	90.0	27.5		138.375		90.0
63.5		81.5	63.5	81.5	33.5				90.0
69.5		74.5	66.5	77.8					

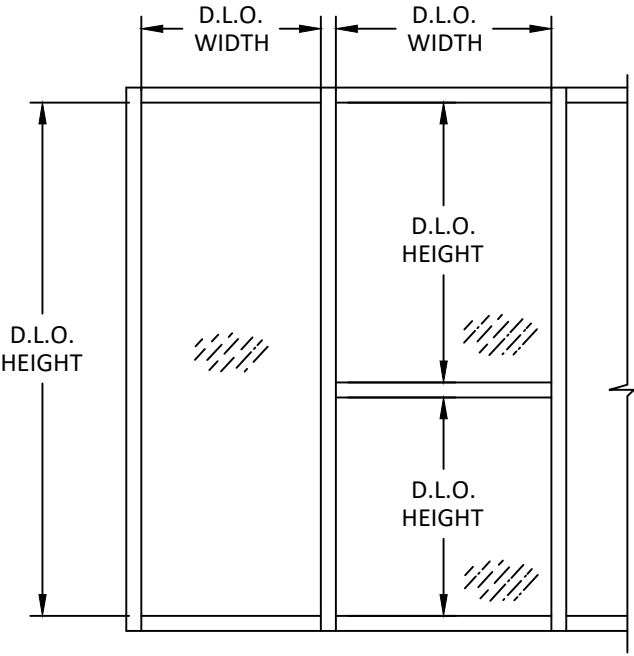
DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH:
• NOMINAL PANEL WIDTH - 2.500"
DAYLITE OPENING HEIGHT:
• FRAME HEIGHT - 5.625"

- * 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.



GLAZING DETAIL A
(DRY GLAZED)

GLAZING DETAIL B
(DRY GLAZED)



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SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)

SMI GLAZING DETAILS

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BD
BUILDING DROPS

REMARKS	BY	DATE
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ANCHOR UPDATE	SH	02.10.26
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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

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SM

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SCALE:
NTS

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SHEET:
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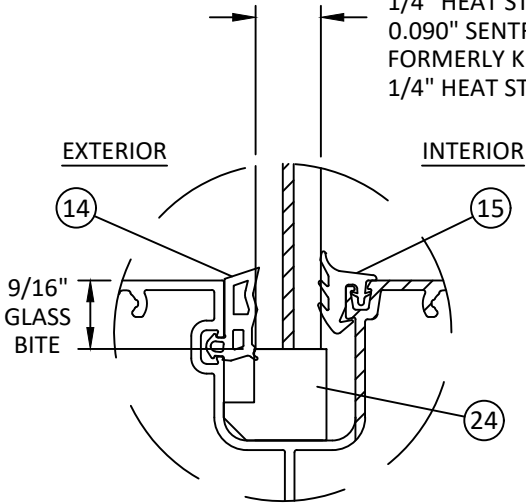
GLASS TYPES
LARGE & SMALL MISSILE IMPACT

GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING (IN)		GLASS TYPE C	DAYLIGHT OPENING (IN)		GLASS TYPE C	DAYLIGHT OPENING (IN)		GLASS TYPE C
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	DLO WIDTH	DLO HEIGHT	"EXT. (+) INT. (-)"
27.5	54.375	70.0	27.5	78.375	70.0	27.5	102.375	70.0
33.5		70.0	33.5		70.0	33.5		70.0
39.5		70.0	39.5		70.0	39.5		70.0
45.5		70.0	45.5		70.0	45.5		70.0
51.5		70.0	51.5		70.0	51.5		70.0
57.5	60.375	70.0	57.5	84.375	70.0	57.5	108.375	70.0
63.5		70.0	63.5		63.4	63.5		58.9
69.5		68.4	69.5		57.9	27.5		70.0
27.5		70.0	27.5		70.0	33.5		70.0
33.5		70.0	33.5		70.0	39.5		70.0
39.5	66.375	70.0	39.5	90.375	70.0	45.5	114.375	70.0
45.5		70.0	45.5		70.0	51.5		70.0
51.5		70.0	51.5		70.0	57.5		65.0
57.5		70.0	57.5		70.0	60.5		61.8
63.5		70.0	63.5		63.4	27.5	120.375	70.0
69.5	72.375	70.0	69.5		57.9	33.5		70.0
27.5		70.0	27.5		70.0	39.5		70.0
33.5		70.0	33.5		70.0	45.5		70.0
39.5		70.0	39.5		70.0	51.5		65.0
45.5		70.0	45.5	90.375	70.0	57.5		65.0
51.5		70.0	51.5		70.0	27.5	126.375	70.0
57.5		70.0	57.5		70.0	33.5		70.0
63.5		63.4	63.5		63.4	36.5		70.0
69.5		63.5	69.5		53.8	27.5	132.375	70.0
27.5		70.0	27.5		70.0	27.5		70.0
33.5		70.0	33.5		70.0	33.5		70.0
39.5		70.0	39.5		70.0	36.5		70.0
45.5		70.0	45.5		70.0	27.5	138.375	70.0
51.5		70.0	51.5		70.0	33.5		70.0
57.5		70.0	57.5		70.0	34.5		70.0
63.5		63.4	63.5		58.9	27.5		70.0
69.5		57.9	66.5		56.2	33.5		70.0

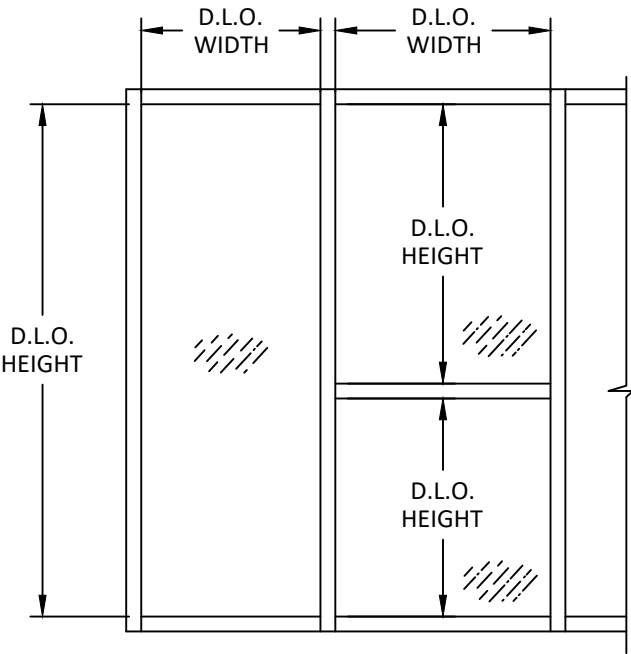
DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH:
• NOMINAL PANEL WIDTH - 2.500"
DAYLITE OPENING HEIGHT:
• FRAME HEIGHT - 5.625"

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- 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.

9/16" O.A. LAMINATED GLASS
CONSISTING OF:
1/4" HEAT STRENGTHENED GLASS,
0.090" SENTRYGLAS BY KURARAY,
FORMERLY KNOWN AS SGP BY DUPONT,
1/4" HEAT STRENGTHENED GLASS



GLAZING DETAIL C
(DRY GLAZED)



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SYSTEM - INSIDE GLAZED
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LMI GLAZING DETAILS

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SHEET: **4** REV. **D**

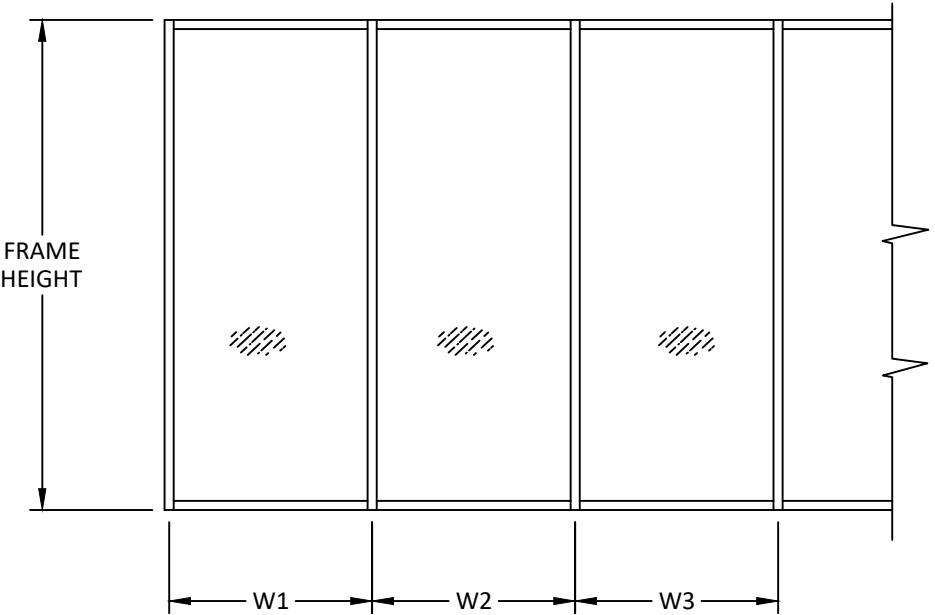
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MULLION LOAD TABLES

LIGHT CONFIGURATION

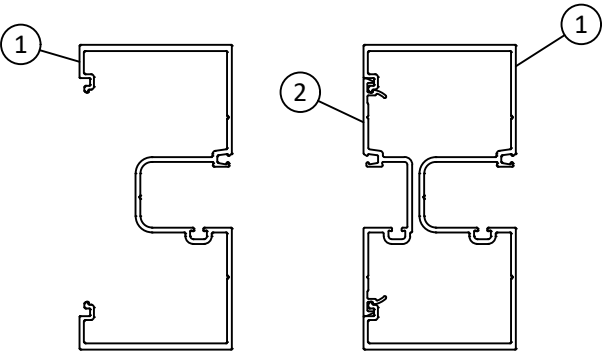
DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		LIGHT JAMB - J1	LIGHT MULLION - M1
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	72	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	50.0
42		50.0	50.0
45		50.0	50.0
48		50.0	50.0
51		50.0	50.0
54		50.0	50.0
57		50.0	50.0
60		50.0	50.0
63		50.0	50.0
30	78	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	50.0
42		50.0	50.0
45		50.0	50.0
48		50.0	50.0
51		50.0	50.0
54		50.0	50.0
57		50.0	50.0
60		50.0	50.0
63		50.0	50.0
30	84	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	50.0
42		50.0	50.0
45		50.0	50.0
48		50.0	50.0
51		50.0	50.0
54		50.0	50.0
57		50.0	50.0
60		50.0	50.0
63		50.0	50.0

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		LIGHT JAMB - J1	LIGHT MULLION - M1
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	90	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	50.0
42		50.0	50.0
45		50.0	50.0
48		50.0	50.0
51		50.0	50.0
54		50.0	50.0
57		50.0	47.6
30	96	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	50.0
42		50.0	50.0
45		50.0	50.0
48		50.0	49.7
51		50.0	46.8
54		50.0	44.2
30	102	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	50.0
42		50.0	50.0
45		50.0	47.0
48		50.0	44.0
51		50.0	41.5
30	108	50.0	50.0
33		50.0	50.0
36		50.0	50.0
39		50.0	48.4
42		50.0	44.9
45		50.0	41.9
48		50.0	39.3



WIDTH (W) = W1 (JAMB)

WIDTH (W) = $\frac{W2 + W3}{2}$ (MULLION)



LIGHT JAMB - J1 LIGHT MULLION - M1

LIGHT CONFIGURATION



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

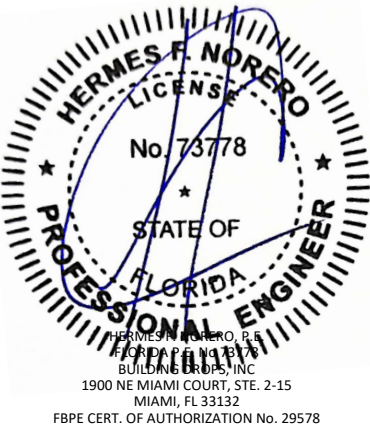
TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
LIGHT MULL TABLES

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
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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: **10.26.15**

DWG. BY: **SM** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK163**

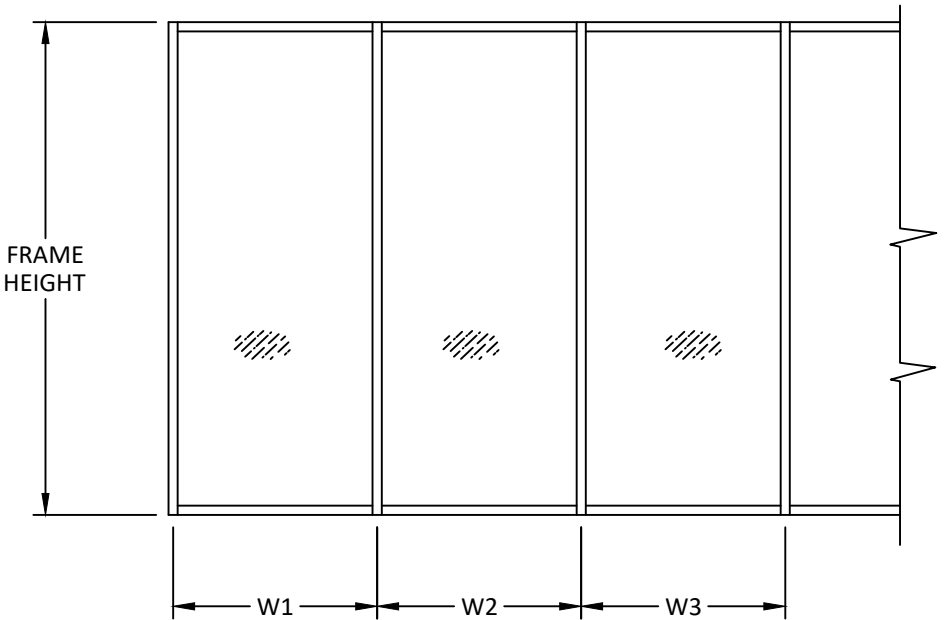
SHEET: **5** REV. **D**

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MULLION LOAD TABLES
MEDIUM CONFIGURATION

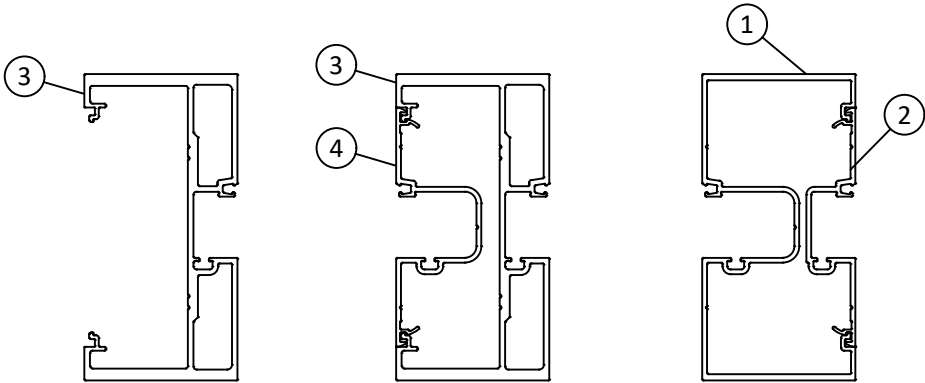
DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS.		MEDIUM JAMB - J2	MEDIUM JAMB - J3	MEDIUM MULLION - M2
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	72	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		70.0	70.0	70.0
51		70.0	70.0	70.0
54		70.0	70.0	70.0
57		70.0	70.0	70.0
60		70.0	70.0	70.0
63		70.0	70.0	70.0
66		70.0	70.0	70.0
69		70.0	70.0	70.0
72		70.0	70.0	70.0
30	78	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		70.0	70.0	70.0
51		70.0	70.0	70.0
54		70.0	70.0	70.0
57		70.0	70.0	70.0
60		70.0	70.0	70.0
63		70.0	70.0	70.0
66		70.0	70.0	70.0
69		70.0	70.0	70.0
72		70.0	70.0	70.0
30	84	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		70.0	70.0	70.0
51		70.0	70.0	70.0
54		70.0	70.0	70.0
57		70.0	70.0	70.0
60		70.0	70.0	70.0
63		70.0	70.0	70.0
66		70.0	70.0	70.0
69		70.0	70.0	70.0
72		70.0	70.0	70.0

DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS.		MEDIUM JAMB - J2	MEDIUM JAMB - J3	MEDIUM MULLION - M2
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	90	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		70.0	70.0	70.0
51		70.0	70.0	70.0
54		70.0	70.0	70.0
57		70.0	70.0	70.0
60		70.0	70.0	70.0
63		70.0	70.0	70.0
66		70.0	70.0	69.3
69		68.7	70.0	66.3
72		65.9	70.0	63.6
30	96	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		70.0	70.0	70.0
51		70.0	70.0	70.0
54		70.0	70.0	70.0
57		70.0	70.0	70.0
60		69.5	70.0	67.0
63		66.1	70.0	63.8
66		63.1	70.0	60.9
30	102	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		70.0	70.0	70.0
51		70.0	70.0	69.9
54		68.4	70.0	66.0
57		64.8	70.0	62.5
60		61.5	70.0	59.4
63		58.6	67.1	56.5
30	108	70.0	70.0	70.0
33		70.0	70.0	70.0
36		70.0	70.0	70.0
39		70.0	70.0	70.0
42		70.0	70.0	70.0
45		70.0	70.0	70.0
48		68.6	70.0	66.2
51		64.6	70.0	62.3
54		61.0	69.8	58.8
57		57.8	66.2	55.7
60		54.9	62.9	53.0



WIDTH (W) = W1 (JAMB)

WIDTH (W) = $\frac{W2 + W3}{2}$ (MULLION)



MEDIUM JAMB - J2 MEDIUM MULLION - M2 MEDIUM JAMB - J3

MEDIUM CONFIGURATION

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101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
MEDIUM MULL TABLES

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

BUILDING DROPS

REMARKS	BY	DATE
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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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 #:
FL14218

DATE: **10.26.15**

DWG. BY: **SM** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK163**

SHEET: **6** REV. **D**

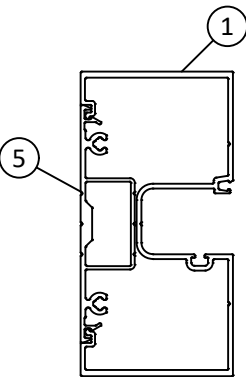
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MULLION LOAD TABLES

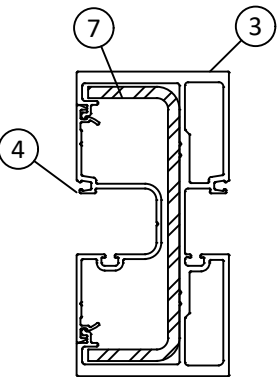
HEAVY CONFIGURATION

DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		HEAVY MULLION - M3
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)
72	96	65.0
69	102	65.0
66	108	65.0
63	114	65.0
60	120	65.0
41	126	65.0
39	132	65.0
37	138	65.0
36	144	65.0

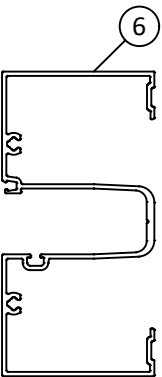
NOTE: HEAVY CONFIGURATION JAMBS ARE ANCHORED ALONG THEIR LENGTH AND THEREFORE DO NOT LIMIT DESIGN PRESSURE.



HEAVY JAMB - J4

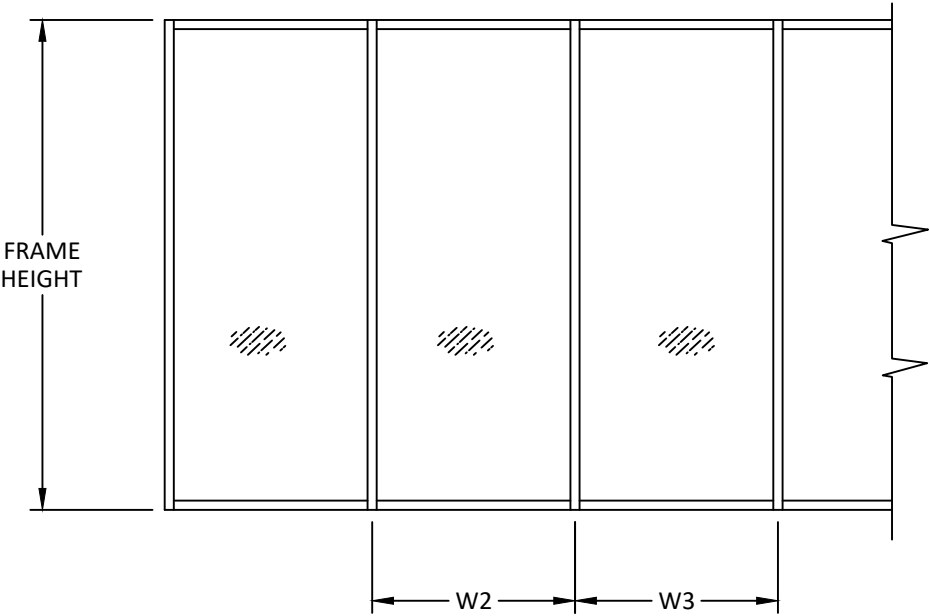


HEAVY MULLION - M3



HEAVY JAMB - J5

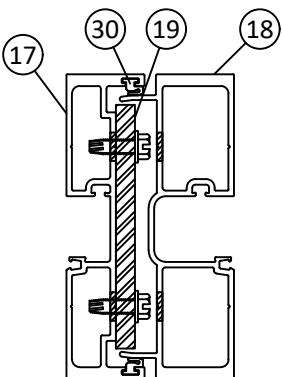
HEAVY CONFIGURATION



$$\text{WIDTH (W)} = \frac{W2 + W3}{2} \text{ (MULLION)}$$

DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		EXPANSION MULLION
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
72	96	65.0
69	102	65.0
66	108	65.0
63	114	65.0
60	120	65.0
41	126	65.0
39	132	65.0
37	138	65.0
36	144	65.0

NOTE: EXPANSION MULL MAY BE USED WITH ANY MULLION CONFIGURATION SUCH THAT ALLOWABLE SIZES AND PRESSURES ARE NOT EXCEEDED.



EXPANSION MULLION



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101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
HEAVY MULL TABLES &
EXPANSION MULLION TABLE

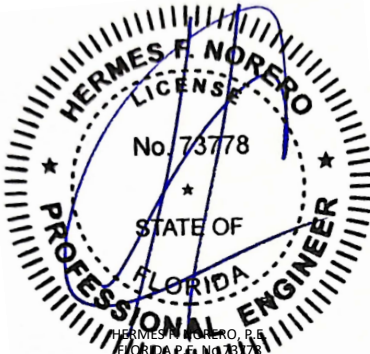
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



BUILDING DROPS

REMARKS	BY	DATE
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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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 #:
FL14218

DATE:
10.26.15

DWG. BY:
SM

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
YKK163

SHEET:
7

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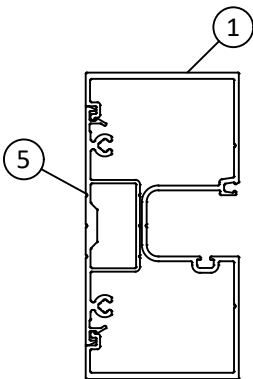
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SMI MULLION LOAD TABLES

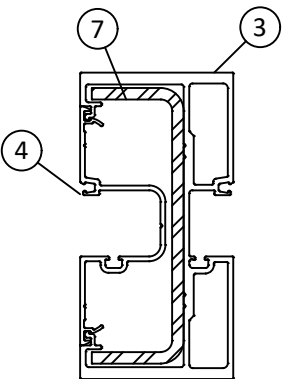
HEAVY CONFIGURATION FOR USE IN SMI IMPACT APPLICATIONS ONLY

DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		SMI HEAVY MULLION - M3
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
72	96	90.0
69	102	90.0
66	108	90.0
63	114	90.0
57	120	90.0
60		88.0
41	126	90.0
39	132	90.0
37	138	90.0
36	144	90.0

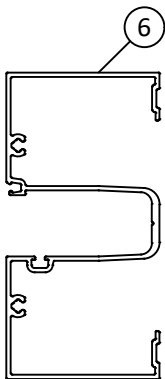
NOTE: HEAVY CONFIGURATION JAMBS ARE ANCHORED ALONG THEIR LENGTH AND THEREFORE DO NOT LIMIT DESIGN PRESSURE.



HEAVY JAMB - J4

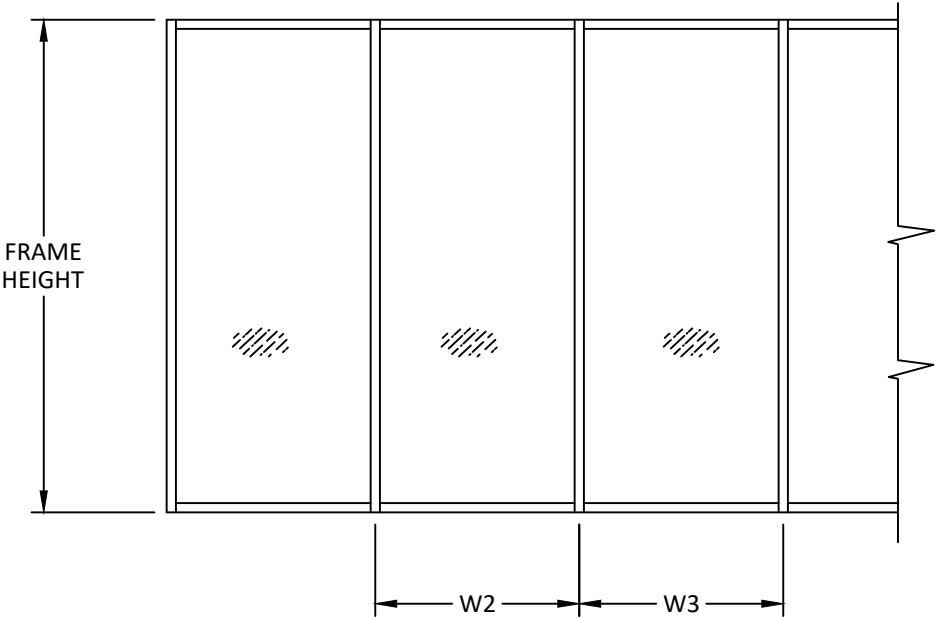


HEAVY MULLION - M3



HEAVY JAMB - J5

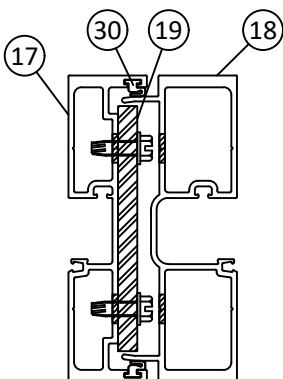
HEAVY CONFIGURATION



WIDTH (W) = $\frac{W2 + W3}{2}$ (MULLION)

DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		EXPANSION MULLION
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
72	96	65.0
69	102	65.0
66	108	65.0
63	114	65.0
60	120	65.0
41	126	65.0
39	132	65.0
37	138	65.0
36	144	65.0

NOTE: EXPANSION MULL MAY BE USED WITH ANY MULLION CONFIGURATION SUCH THAT ALLOWABLE SIZES AND PRESSURES ARE NOT EXCEEDED.



EXPANSION MULLION



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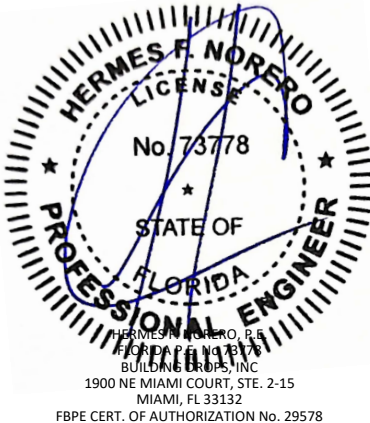
YKK AP AMERICA, INC.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
HEAVY MULLION TABLE S.M.I. ONLY &
EXPANSION MULLION TABLE

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
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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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 #:
FL14218

DATE: **10.26.15**

DWG. BY:
SM

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK163**

SHEET:
8

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[Page 8 of 18]

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ANCHOR TYPE 'A & B' TABLES

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)						ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)						ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)						
NOMINAL DIMS. (IN)		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		NOMINAL DIMS. (IN)		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		NOMINAL DIMS. (IN)		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	B4
30	72	90.0	90.0	90.0	90.0	30	90	90.0	90.0	90.0	90.0	30	108	90.0	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	90.0	33		90.0	90.0	90.0	90.0	33		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	36		90.0	90.0	90.0	90.0	36		90.0	90.0	90.0	90.0	90.0
39		90.0	90.0	90.0	90.0	39		90.0	90.0	90.0	90.0	39		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	42		90.0	90.0	90.0	90.0	42		90.0	90.0	90.0	90.0	90.0
45		90.0	90.0	90.0	90.0	45		90.0	90.0	90.0	90.0	45		90.0	90.0	87.4	90.0	90.0
48		90.0	90.0	90.0	90.0	48		90.0	90.0	90.0	90.0	48		90.0	90.0	81.9	90.0	90.0
51		90.0	90.0	90.0	90.0	51		90.0	90.0	90.0	90.0	51		90.0	90.0	77.1	90.0	90.0
54		90.0	90.0	90.0	90.0	54		90.0	90.0	87.4	90.0	54		85.2	90.0	72.8	90.0	90.0
57		90.0	90.0	90.0	90.0	57		90.0	90.0	82.8	90.0	57		80.7	90.0	69.0	90.0	90.0
60		90.0	90.0	90.0	90.0	60		90.0	90.0	78.6	90.0	60		76.7	90.0	65.5	90.0	90.0
63		90.0	90.0	90.0	90.0	63		87.6	90.0	74.9	90.0	63		73.0	90.0	62.4	90.0	90.0
66		90.0	90.0	89.4	90.0	66		83.6	90.0	71.5	90.0	66		69.7	90.0	59.6	89.4	90.0
69		90.0	90.0	85.5	90.0	69		80.0	90.0	68.4	90.0	69		90.0	90.0	90.0	90.0	90.0
72		90.0	90.0	81.9	90.0	72		76.7	90.0	65.5	90.0	72		90.0	90.0	90.0	90.0	90.0
30	78	90.0	90.0	90.0	90.0	30	96	90.0	90.0	90.0	90.0	30	114	90.0	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	90.0	33		90.0	90.0	90.0	90.0	33		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	36		90.0	90.0	90.0	90.0	36		90.0	90.0	88.7	90.0	90.0
39		90.0	90.0	90.0	90.0	39		90.0	90.0	90.0	90.0	39		90.0	90.0	82.8	90.0	90.0
42		90.0	90.0	90.0	90.0	42		90.0	90.0	90.0	90.0	42		90.0	90.0	77.6	90.0	90.0
45		90.0	90.0	90.0	90.0	45		90.0	90.0	90.0	90.0	45		85.4	90.0	73.0	90.0	90.0
48		90.0	90.0	90.0	90.0	48		90.0	90.0	90.0	90.0	48		80.7	90.0	69.0	90.0	90.0
51		90.0	90.0	90.0	90.0	51		90.0	90.0	86.7	90.0	51		76.5	90.0	65.3	90.0	90.0
54		90.0	90.0	90.0	90.0	54		90.0	90.0	81.9	90.0	54		72.6	90.0	62.1	90.0	90.0
57		90.0	90.0	90.0	90.0	57		90.0	90.0	77.6	90.0	57		69.2	90.0	59.1	88.7	90.0
60		90.0	90.0	90.0	90.0	60		86.3	90.0	73.7	90.0	60		90.0	90.0	90.0	90.0	90.0
63		90.0	90.0	86.4	90.0	63		82.1	90.0	70.2	90.0	63		90.0	90.0	90.0	90.0	90.0
66		90.0	90.0	82.5	90.0	66		78.4	90.0	67.0	90.0	66		90.0	90.0	90.0	90.0	90.0
69		90.0	90.0	78.9	90.0	69		75.0	90.0	64.1	90.0	69		90.0	90.0	90.0	90.0	90.0
72		88.5	90.0	75.6	90.0	72		71.9	90.0	61.4	90.0	72		90.0	90.0	84.3	90.0	90.0
30	84	90.0	90.0	90.0	90.0	30	102	90.0	90.0	90.0	90.0	30	120	90.0	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	90.0	33		90.0	90.0	90.0	90.0	33		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	36		90.0	90.0	90.0	90.0	36		90.0	90.0	90.0	90.0	90.0
39		90.0	90.0	90.0	90.0	39		90.0	90.0	90.0	90.0	39		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	42		90.0	90.0	90.0	90.0	42		90.0	90.0	90.0	90.0	90.0
45		90.0	90.0	90.0	90.0	45		90.0	90.0	90.0	90.0	45		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	48		90.0	90.0	86.7	90.0	48		90.0	90.0	90.0	90.0	90.0
51		90.0	90.0	90.0	90.0	51		90.0	90.0	81.6	90.0	51		86.3	90.0	73.7	90.0	90.0
54		90.0	90.0	90.0	90.0	54		90.0	90.0	77.1	90.0	54		81.2	90.0	69.4	90.0	90.0
57		90.0	90.0	88.7	90.0	57		85.4	90.0	73.0	90.0	57		76.7	90.0	65.5	90.0	90.0
60		90.0	90.0	84.3	90.0	60		81.2	90.0	69.4	90.0	60		72.6	90.0	62.1	90.0	90.0
63		90.0	90.0	80.2	90.0	63		77.3	90.0	66.1	90.0	63		69.0	90.0	59.0	88.5	90.0
66		89.6	90.0	76.6	90.0	66		73.8	90.0	63.1	90.0	66		90.0	90.0	90.0	90.0	90.0
69		85.7	90.0	73.3	90.0	69		70.6	90.0	60.3	90.0	69		90.0	90.0	90.0	90.0	90.0
72		82.1	90.0	70.2	90.0	72						72		90.0	90.0	90.0	90.0	90.0

7/29/2026 8:57 AM

ANCHOR TYPE 'C & D' TABLES

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)								
NOMINAL DIMS. (IN)		ANCHOR TYPE 'C'			ANCHOR TYPE 'D'			
WIDTH (W)	FRAME HEIGHT	C2	C3	C4	D2	D3	D4	D5
30	72	90.0	90.0	90.0	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	88.9	90.0	90.0	90.0
39		90.0	90.0	90.0	82.1	90.0	90.0	90.0
42		90.0	90.0	90.0	76.2	90.0	90.0	90.0
45		90.0	90.0	90.0	71.1	90.0	90.0	90.0
48		90.0	90.0	90.0	66.7	90.0	90.0	90.0
51		90.0	90.0	90.0	62.7	90.0	90.0	90.0
54		85.2	90.0	90.0	59.3	88.9	90.0	90.0
57		80.8	90.0	90.0	56.1	84.2	90.0	90.0
60		76.7	90.0	90.0	53.3	80.0	90.0	90.0
63		73.1	90.0	90.0	50.8	76.2	90.0	90.0
66		69.7	90.0	90.0	48.5	72.7	90.0	90.0
69		66.7	90.0	90.0	46.4	69.6	90.0	90.0
72		63.9	90.0	90.0	44.4	66.7	88.9	90.0
30	78	90.0	90.0	90.0	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	89.5	90.0	90.0	90.0
36		90.0	90.0	90.0	82.1	90.0	90.0	90.0
39		90.0	90.0	90.0	75.7	90.0	90.0	90.0
42		90.0	90.0	90.0	70.3	90.0	90.0	90.0
45		90.0	90.0	90.0	65.6	90.0	90.0	90.0
48		88.5	90.0	90.0	61.5	90.0	90.0	90.0
51		83.3	90.0	90.0	57.9	86.9	90.0	90.0
54		78.7	90.0	90.0	54.7	82.1	90.0	90.0
57		74.5	90.0	90.0	51.8	77.7	90.0	90.0
60		70.8	90.0	90.0	49.2	73.8	90.0	90.0
63		67.4	90.0	90.0	46.9	70.3	90.0	90.0
66		64.4	90.0	90.0	44.8	67.1	89.5	90.0
69		61.6	90.0	90.0	42.8	64.2	85.6	90.0
72		59.0	88.5	90.0	41.0	61.5	82.1	90.0
30	84	90.0	90.0	90.0	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	83.1	90.0	90.0	90.0
36		90.0	90.0	90.0	76.2	90.0	90.0	90.0
39		90.0	90.0	90.0	70.3	90.0	90.0	90.0
42		90.0	90.0	90.0	65.3	90.0	90.0	90.0
45		87.7	90.0	90.0	61.0	90.0	90.0	90.0
48		82.2	90.0	90.0	57.1	85.7	90.0	90.0
51		77.4	90.0	90.0	53.8	80.7	90.0	90.0
54		73.1	90.0	90.0	50.8	76.2	90.0	90.0
57		69.2	90.0	90.0	48.1	72.2	90.0	90.0
60		65.8	90.0	90.0	45.7	68.6	90.0	90.0
63		62.6	90.0	90.0	43.5	65.3	87.1	90.0
66		59.8	89.7	90.0	41.6	62.3	83.1	90.0
69		57.2	85.8	90.0	39.8	59.6	79.5	90.0
72		54.8	82.2	90.0	38.1	57.1	76.2	90.0

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)												
NOMINAL DIMS. (IN)		ANCHOR TYPE 'C'			ANCHOR TYPE 'D'							
WIDTH (W)	FRAME HEIGHT	C2	C3	C4	D2	D3	D4	D5	D6			
30	90	90.0	90.0	90.0	85.3	90.0	90.0	90.0	90.0			
33		90.0	90.0	90.0	77.6	90.0	90.0	90.0	90.0			
36		90.0	90.0	90.0	71.1	90.0	90.0	90.0	90.0			
39		90.0	90.0	90.0	65.6	90.0	90.0	90.0	90.0			
42		87.7	90.0	90.0	61.0	90.0	90.0	90.0	90.0			
45		81.8	90.0	90.0	56.9	85.3	90.0	90.0	90.0			
48		76.7	90.0	90.0	53.3	80.0	90.0	90.0	90.0			
51		72.2	90.0	90.0	50.2	75.3	90.0	90.0	90.0			
54		68.2	90.0	90.0	47.4	71.1	90.0	90.0	90.0			
57		64.6	90.0	90.0	44.9	67.4	89.8	90.0	90.0			
60		61.4	90.0	90.0	42.7	64.0	85.3	90.0	90.0			
63		58.5	87.7	90.0	40.6	61.0	81.3	90.0	90.0			
66		55.8	83.7	90.0	38.8	58.2	77.6	90.0	90.0			
69		53.4	80.1	90.0	37.1	55.7	74.2	90.0	90.0			
72		51.1	76.7	90.0	35.6	53.3	71.1	88.9	90.0			
30	96	90.0	90.0	90.0	80.0	90.0	90.0	90.0	90.0			
33		90.0	90.0	90.0	72.7	90.0	90.0	90.0	90.0			
36		90.0	90.0	90.0	66.7	90.0	90.0	90.0	90.0			
39		88.5	90.0	90.0	61.5	90.0	90.0	90.0	90.0			
42		82.2	90.0	90.0	57.1	85.7	90.0	90.0	90.0			
45		76.7	90.0	90.0	53.3	80.0	90.0	90.0	90.0			
48		71.9	90.0	90.0	50.0	75.0	90.0	90.0	90.0			
51		67.7	90.0	90.0	47.1	70.6	90.0	90.0	90.0			
54		63.9	90.0	90.0	44.4	66.7	88.9	90.0	90.0			
57		60.6	90.0	90.0	42.1	63.2	84.2	90.0	90.0			
60		57.5	86.3	90.0	40.0	60.0	80.0	90.0	90.0			
63		54.8	82.2	90.0	38.1	57.1	76.2	90.0	90.0			
66		52.3	78.5	90.0	36.4	54.5	72.7	90.0	90.0			
69		50.0	75.1	90.0	34.8	52.2	69.6	87.0	90.0			
72		48.0	71.9	90.0	33.3	50.0	66.7	83.3	90.0			
30	102	90.0	90.0	90.0	75.3	90.0	90.0	90.0	90.0			
33		90.0	90.0	90.0	68.4	90.0	90.0	90.0	90.0			
36		90.0	90.0	90.0	62.7	90.0	90.0	90.0	90.0			
39		83.3	90.0	90.0	57.9	86.9	90.0	90.0	90.0			
42		77.4	90.0	90.0	53.8	80.7	90.0	90.0	90.0			
45		72.2	90.0	90.0	50.2	75.3	90.0	90.0	90.0			
48		67.7	90.0	90.0	47.1	70.6	90.0	90.0	90.0			
51		63.7	90.0	90.0	44.3	66.4	88.6	90.0	90.0			
54		60.2	90.0	90.0	41.8	62.7	83.7	90.0	90.0			
57		57.0	85.5	90.0	39.6	59.4	79.3	90.0	90.0			
60		54.2	81.2	90.0	37.6	56.5	75.3	90.0	90.0			
63		51.6	77.4	90.0	35.9	53.8	71.7	89.6	90.0			
66		49.2	73.8	90.0	34.2	51.3	68.4	85.6	90.0			
69		47.1	70.6	90.0	32.7	49.1	65.5	81.8	90.0			

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)									
NOMINAL DIMS. (IN)		ANCHOR TYPE 'C'			ANCHOR TYPE 'D'				
WIDTH (W)	FRAME HEIGHT	C2	C3	C4	D2	D3	D4	D5	D6
30	108	90.0	90.0	90.0	71.1	90.0	90.0	90.0	90.0
33		90.0	90.0	90.0	64.6	90.0	90.0	90.0	90.0
36		85.2	90.0	90.0	59.3	88.9	90.0	90.0	90.0
39		78.7	90.0	90.0	54.7	82.1	90.0	90.0	90.0
42		73.1	90.0	90.0	50.8	76.2	90.0	90.0	90.0
45		68.2	90.0	90.0	47.4	71.1	90.0	90.0	90.0
48		63.9	90.0	90.0	44.4	66.7	88.9	90.0	90.0
51		60.2	90.0	90.0	41.8	62.7	83.7	90.0	90.0
54		56.8	85.2	90.0	39.5	59.3	79.0	90.0	90.0
57		53.8	80.8	90.0	37.4	56.1	74.9	90.0	90.0
60		51.1	76.7	90.0	35.6	53.3	71.1	88.9	90.0
63		48.7	73.1	90.0	33.9	50.8	67.7	84.7	90.0
66		46.5	69.7	90.0	32.3	48.5	64.6	80.8	90.0
30	114	90.0	90.0	90.0	67.4	90.0	90.0	90.0	90.0
33		88.1	90.0	90.0	61.2	90.0	90.0	90.0	90.0
36		80.8	90.0	90.0	56.1	84.2	90.0	90.0	90.0
39		74.5	90.0	90.0	51.8	77.7	90.0	90.0	90.0
42		69.2	90.0	90.0	48.1	72.2	90.0	90.0	90.0
45		64.6	90.0	90.0	44.9	67.4	89.8	90.0	90.0
48		60.6	90.0	90.0	42.1	63.2	84.2	90.0	90.0
51		57.0	85.5	90.0	39.6	59.4	79.3	90.0	90.0
54		53.8	80.8	90.0	37.4	56.1	74.9	90.0	90.0
57		51.0	76.5	90.0	35.5	53.2	70.9	88.6	90.0
60		48.5	72.7	90.0	33.7	50.5	67.4	84.2	90.0
63		46.1	69.2	90.0	32.1	48.1	64.2	80.2	90.0
30		120	90.0	90.0	90.0	64.0	90.0	90.0	90.0
33	83.7		90.0	90.0	58.2	87.3	90.0	90.0	90.0
36	76.7		90.0	90.0	53.3	80.0	90.0	90.0	90.0
39	70.8		90.0	90.0	49.2	73.8	90.0	90.0	90.0
42	65.8		90.0	90.0	45.7	68.6	90.0	90.0	90.0
45	61.4		90.0	90.0	42.7	64.0	85.3	90.0	90.0
48	57.5		86.3	90.0	40.0	60.0	80.0	90.0	90.0
51	54.2		81.2	90.0	37.6	56.5	75.3	90.0	90.0
54	51.1		76.7	90.0	35.6	53.3	71.1	88.9	90.0
57	48.5		72.7	90.0	33.7	50.5	67.4	84.2	90.0
60	46.0		69.0	90.0	32.0	48.0	64.0	80.0	90.0

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ANCHOR TYPE 'E' TABLES

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)							
NOMINAL DIMS. (IN)		ANCHOR TYPE 'E'					
WIDTH (W)	FRAME HEIGHT	E2	E3	E4	E5	E6	E7
30	72	77.2	90.0	90.0	90.0	90.0	90.0
33		70.2	90.0	90.0	90.0	90.0	90.0
36		64.4	90.0	90.0	90.0	90.0	90.0
39		59.4	89.1	90.0	90.0	90.0	90.0
42		55.2	82.7	90.0	90.0	90.0	90.0
45		51.5	77.2	90.0	90.0	90.0	90.0
48		48.3	72.4	90.0	90.0	90.0	90.0
51		45.4	68.1	90.0	90.0	90.0	90.0
54		42.9	64.4	85.8	90.0	90.0	90.0
57		40.6	61.0	81.3	90.0	90.0	90.0
60		38.6	57.9	77.2	90.0	90.0	90.0
63		36.8	55.2	73.5	90.0	90.0	90.0
66	78	35.1	52.7	70.2	87.8	90.0	90.0
69		33.6	50.4	67.2	83.9	90.0	90.0
72		32.2	48.3	64.4	80.4	90.0	90.0
30		71.3	90.0	90.0	90.0	90.0	90.0
33		64.8	90.0	90.0	90.0	90.0	90.0
36		59.4	89.1	90.0	90.0	90.0	90.0
39		54.8	82.3	90.0	90.0	90.0	90.0
42		50.9	76.4	90.0	90.0	90.0	90.0
45		47.5	71.3	90.0	90.0	90.0	90.0
48		44.6	66.8	89.1	90.0	90.0	90.0
51		41.9	62.9	83.9	90.0	90.0	90.0
54	84	39.6	59.4	79.2	90.0	90.0	90.0
57		37.5	56.3	75.0	90.0	90.0	90.0
60		35.6	53.5	71.3	89.1	90.0	90.0
63		33.9	50.9	67.9	84.9	90.0	90.0
66		32.4	48.6	64.8	81.0	90.0	90.0
69		31.0	46.5	62.0	77.5	90.0	90.0
72		29.7	44.6	59.4	74.3	89.1	90.0
30		66.2	90.0	90.0	90.0	90.0	90.0
33		60.2	90.0	90.0	90.0	90.0	90.0
36		55.2	82.7	90.0	90.0	90.0	90.0
39		50.9	76.4	90.0	90.0	90.0	90.0
42		47.3	70.9	90.0	90.0	90.0	90.0
45	90	44.1	66.2	88.3	90.0	90.0	90.0
48		41.4	62.1	82.7	90.0	90.0	90.0
51		38.9	58.4	77.9	90.0	90.0	90.0
54		36.8	55.2	73.5	90.0	90.0	90.0
57		34.8	52.3	69.7	87.1	90.0	90.0
60		33.1	49.6	66.2	82.7	90.0	90.0
63		31.5	47.3	63.0	78.8	90.0	90.0
66		30.1	45.1	60.2	75.2	90.0	90.0
69		28.8	43.2	57.6	72.0	86.3	90.0
72		27.6	41.4	55.2	69.0	82.7	90.0

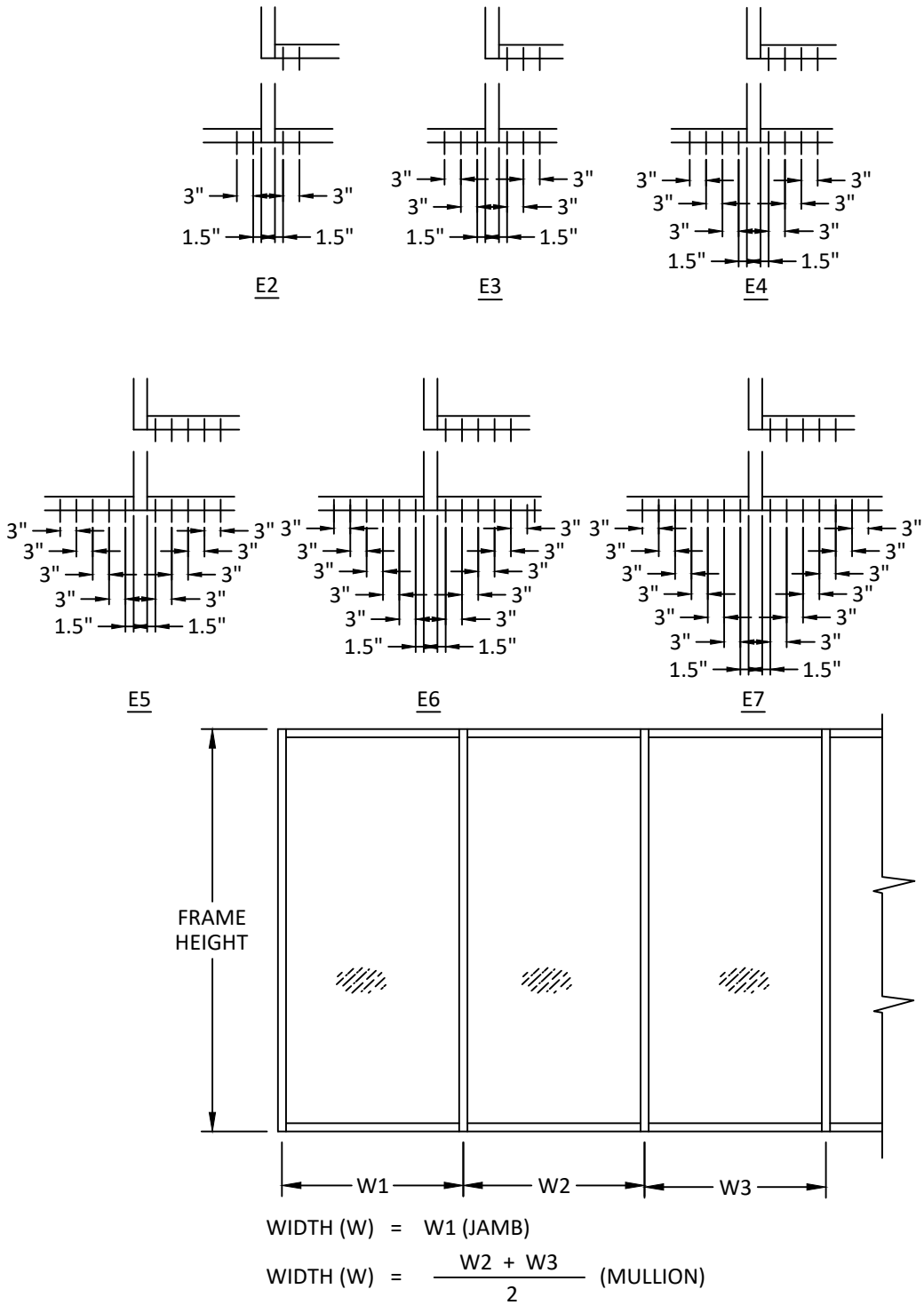
ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)							
NOMINAL DIMS. (IN)		ANCHOR TYPE 'E'					
WIDTH (W)	FRAME HEIGHT	E2	E3	E4	E5	E6	E7
30	90	61.8	90.0	90.0	90.0	90.0	90.0
33		56.2	84.2	90.0	90.0	90.0	90.0
36		51.5	77.2	90.0	90.0	90.0	90.0
39		47.5	71.3	90.0	90.0	90.0	90.0
42		44.1	66.2	88.3	90.0	90.0	90.0
45		41.2	61.8	82.4	90.0	90.0	90.0
48		38.6	57.9	77.2	90.0	90.0	90.0
51		36.3	54.5	72.7	90.0	90.0	90.0
54		34.3	51.5	68.6	85.8	90.0	90.0
57		32.5	48.8	65.0	81.3	90.0	90.0
60		30.9	46.3	61.8	77.2	90.0	90.0
63		29.4	44.1	58.8	73.5	88.3	90.0
66	96	28.1	42.1	56.2	70.2	84.2	90.0
69		26.9	40.3	53.7	67.2	80.6	90.0
72		25.7	38.6	51.5	64.4	77.2	90.0
30		57.9	86.9	90.0	90.0	90.0	90.0
33		52.7	79.0	90.0	90.0	90.0	90.0
36		48.3	72.4	90.0	90.0	90.0	90.0
39		44.6	66.8	89.1	90.0	90.0	90.0
42		41.4	62.1	82.7	90.0	90.0	90.0
45		38.6	57.9	77.2	90.0	90.0	90.0
48		36.2	54.3	72.4	90.0	90.0	90.0
51		34.1	51.1	68.1	85.2	90.0	90.0
54	102	32.2	48.3	64.4	80.4	90.0	90.0
57		30.5	45.7	61.0	76.2	90.0	90.0
60		29.0	43.4	57.9	72.4	86.9	90.0
63		27.6	41.4	55.2	69.0	82.7	90.0
66		26.3	39.5	52.7	65.8	79.0	90.0
69		25.2	37.8	50.4	63.0	75.5	88.1
72		24.1	36.2	48.3	60.3	72.4	84.5
30		54.5	81.8	90.0	90.0	90.0	90.0
33		49.6	74.3	90.0	90.0	90.0	90.0
36		45.4	68.1	90.0	90.0	90.0	90.0
39		41.9	62.9	83.9	90.0	90.0	90.0
42		38.9	58.4	77.9	90.0	90.0	90.0
45	108	36.3	54.5	72.7	90.0	90.0	90.0
48		34.1	51.1	68.1	85.2	90.0	90.0
51		32.1	48.1	64.1	80.2	90.0	90.0
54		30.3	45.4	60.6	75.7	90.0	90.0
57		28.7	43.0	57.4	71.7	86.1	90.0
60		27.3	40.9	54.5	68.1	81.8	90.0
63		25.7	38.6	51.5	64.4	77.2	90.0
66		24.4	36.6	48.8	61.0	73.2	85.4
69		23.2	34.8	46.3	57.9	69.5	81.1
72		22.0	33.0	44.1	54.5	66.2	77.2

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)							
NOMINAL DIMS. (IN)		ANCHOR TYPE 'E'					
WIDTH (W)	FRAME HEIGHT	E2	E3	E4	E5	E6	E7
30	108	51.5	77.2	90.0	90.0	90.0	90.0
33		46.8	70.2	90.0	90.0	90.0	90.0
36		42.9	64.4	85.8	90.0	90.0	90.0
39		39.6	59.4	79.2	90.0	90.0	90.0
42		36.8	55.2	73.5	90.0	90.0	90.0
45		34.3	51.5	68.6	85.8	90.0	90.0
48		32.2	48.3	64.4	80.4	90.0	90.0
51		30.3	45.4	60.6	75.7	90.0	90.0
54		28.6	42.9	57.2	71.5	85.8	90.0
57		27.1	40.6	54.2	67.7	81.3	90.0
60		25.7	38.6	51.5	64.4	77.2	90.0
63		24.5	36.8	49.0	61.3	73.5	85.8
66	114	23.4	35.1	46.8	58.5	70.2	81.9
30		48.8	73.2	90.0	90.0	90.0	90.0
33		44.3	66.5	88.7	90.0	90.0	90.0
36		40.6	61.0	81.3	90.0	90.0	90.0
39		37.5	56.3	75.0	90.0	90.0	90.0
42		34.8	52.3	69.7	87.1	90.0	90.0
45		32.5	48.8	65.0	81.3	90.0	90.0
48		30.5	45.7	61.0	76.2	90.0	90.0
51		28.7	43.0	57.4	71.7	86.1	90.0
54		27.1	40.6	54.2	67.7	81.3	90.0
57		25.7	38.5	51.3	64.2	77.0	89.8
60		24.4	36.6	48.8	61.0	73.2	85.4
63	120	23.2	34.8	46.5	58.1	69.7	81.3
30		46.3	69.5	90.0	90.0	90.0	90.0
33		42.1	63.2	84.2	90.0	90.0	90.0
36		38.6	57.9	77.2	90.0	90.0	90.0
39		35.6	53.5	71.3	89.1	90.0	90.0
42		33.1	49.6	66.2	82.7	90.0	90.0
45		30.9	46.3	61.8	77.2	90.0	90.0
48		29.0	43.4	57.9	72.4	86.9	90.0
51		27.3	40.9	54.5	68.1	81.8	90.0
54		25.7	38.6	51.5	64.4	77.2	90.0
57		24.4	36.6	48.8	61.0	73.2	85.4
60		23.2	34.8	46.3	57.9	69.5	81.1
30	126	44.1	66.2	88.3	90.0	90.0	90.0
33		40.1	60.2	80.2	90.0	90.0	90.0
36		36.8	55.2	73.5	90.0	90.0	90.0
39		33.9	50.9	67.9	84.9	90.0	90.0
41		32.3	48.4	64.6	80.7	90.0	90.0
30	132	42.1	63.2	84.2	90.0	90.0	90.0
33		38.3	57.4	76.6	90.0	90.0	90.0
36		35.1	52.7	70.2	87.8	90.0	90.0
39		32.4	48.6	64.8	81.0	90.0	90.0
30	138	40.3	60.4	80.6	90.0	90.0	90.0
33		36.6	54.9	73.3	90.0	90.0	90.0
36		33.6	50.4	67.2	83.9	90.0	90.0
37		32.7	49.0	65.3	81.7	90.0	90.0
30	144	38.6	57.9	77.2	90.0	90.0	90.0
33		35.1	52.7	70.2	87.8	90.0	90.0
36		32.2	48.3	64.4	80.4	90.0	90.0

ANCHORS TYPES: SEE SHEETS 14 FOR DESCRIPTION

- E2 = (2) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION
E3 = (3) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION
E4 = (4) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION
E5 = (5) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION
E6 = (6) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION
E7 = (7) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION



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

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
TYPE E ANCHOR TABLES

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

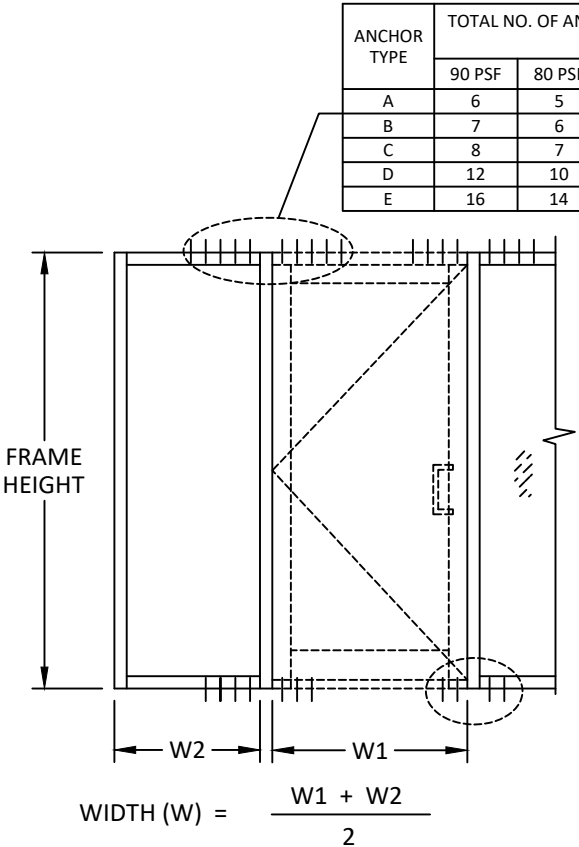
REMARKS	BY	DATE
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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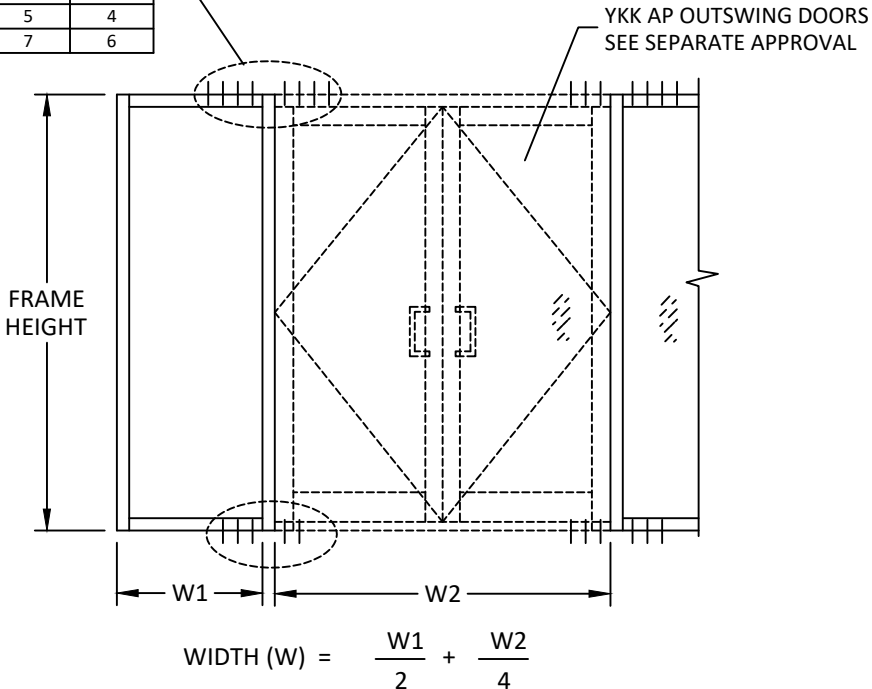
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DOOR MULLION LOAD & ANCHOR TABLES

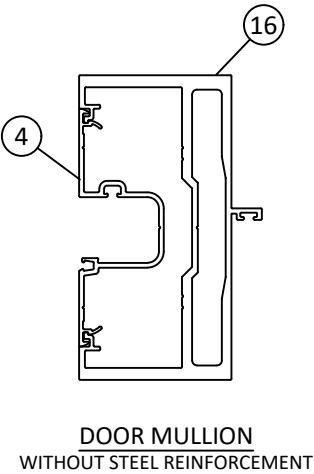
DOOR MULLION LOAD CAPACITY (PSF)					
NOMINAL DIMS.		WITHOUT STEEL REINF.		WITH STEEL REINF.	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24	102	70.0	70.0	70.0	90.0
30		70.0	70.0	70.0	90.0
36		70.0	70.0	70.0	90.0
42		70.0	70.0	70.0	90.0
48		70.0	70.0	70.0	90.0
54		70.0	70.0	70.0	90.0
60		70.0	70.0	70.0	90.0
24	108	70.0	70.0	70.0	90.0
30		70.0	70.0	70.0	90.0
36		70.0	70.0	70.0	90.0
42		70.0	70.0	70.0	90.0
48		70.0	70.0	70.0	90.0
54		70.0	70.0	70.0	90.0
60		70.0	70.0	70.0	90.0
24	114	70.0	70.0	70.0	90.0
30		70.0	70.0	70.0	90.0
36		70.0	70.0	70.0	90.0
42		70.0	70.0	70.0	90.0
48		70.0	70.0	70.0	90.0
54		70.0	70.0	70.0	90.0
60		70.0	70.0	70.0	90.0
24	120	70.0	70.0	70.0	90.0
30		70.0	70.0	70.0	90.0
36		70.0	70.0	70.0	90.0
42		70.0	70.0	70.0	90.0
48		70.0	70.0	70.0	90.0
54		69.2	69.2	70.0	90.0
60		62.3	62.3	70.0	90.0



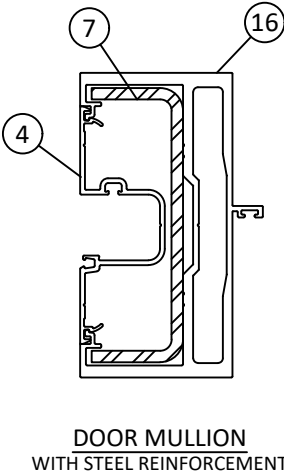
SINGLE DOOR



DOUBLE DOOR

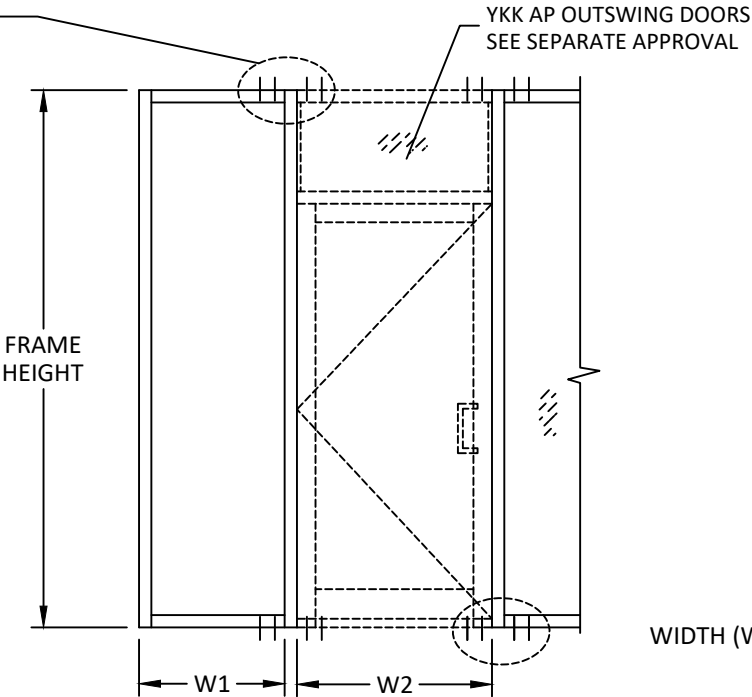


DOOR MULLION WITHOUT STEEL REINFORCEMENT



DOOR MULLION WITH STEEL REINFORCEMENT

ANCHOR TYPE	TOTAL NO. OF ANCHORS REQUIRED AT DOOR MULLION HEAD AND SILL BY DESIGN PRESSURE						
	90 PSF	80 PSF	70 PSF	60 PSF	50 PSF	40 PSF	30 PSF
A	6	5	5	4	3	3	2
B	7	6	5	5	4	3	3
C	8	7	7	6	5	4	3
D	12	10	9	8	7	5	4
E	16	14	13	11	9	7	6



SINGLE DOOR WITH TRANSOM

YKK
ap

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inspires™

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

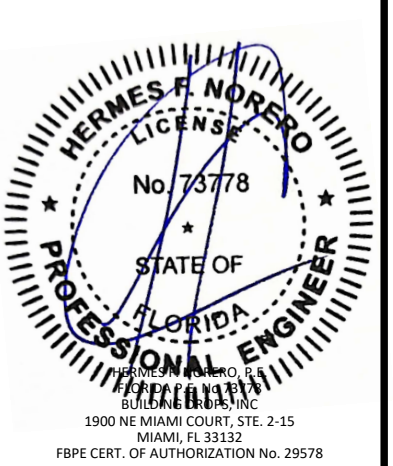
TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
DOOR MULLION TABLES

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

**BUILDING DROPS**

REMARKS	BY	DATE
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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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 #:
FL14218

DATE: **10.26.15**

DWG. BY: **SM** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK163**

SHEET: **11** REV. **D**

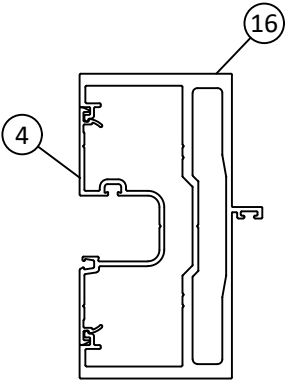
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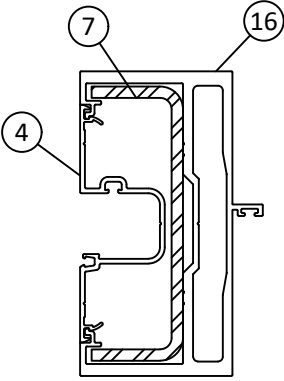
DOOR MULLION LOAD & ANCHOR TABLES

DOOR MULLION LOAD CAPACITY (PSF)						
NOMINAL DIMS.			WITHOUT STEEL REINF.		WITH STEEL REINF.	
FRAME HEIGHT (IN.)	DOOR PANEL WIDTH - W1 (IN.)	SIDELITE WIDTH - W2 (IN.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
96	36	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
	42	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
	48	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
102	36	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
	42	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
	48	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
108	36	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
	42	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	70.0	70.0	70.0	90.0
	48	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	57.1	57.1	70.0	90.0

DOOR MULLION LOAD CAPACITY (PSF)						
NOMINAL DIMS.			WITHOUT STEEL REINF.		WITH STEEL REINF.	
FRAME HEIGHT (IN.)	DOOR PANEL WIDTH - W1 (IN.)	SIDELITE WIDTH - W2 (IN.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
114	36	30	70.0	70.0	70.0	90.0
		36	70.0	70.0	70.0	90.0
		42	70.0	70.0	70.0	90.0
		48	69.8	69.8	70.0	90.0
	42	30	70.0	70.0	70.0	90.0
		36	69.8	69.8	70.0	90.0
		42	66.6	66.6	70.0	90.0
		48	63.6	63.6	70.0	90.0
	48	30	66.6	66.6	70.0	90.0
		36	63.6	63.6	70.0	90.0
		42	57.1	57.1	70.0	90.0
		48	57.1	57.1	70.0	90.0
120	36	30	69.9	69.9	70.0	90.0
		36	66.2	66.2	70.0	90.0
		42	62.8	62.8	70.0	90.0
		48	59.8	59.8	70.0	90.0
	42	30	62.8	62.8	70.0	90.0
		36	59.8	59.8	70.0	90.0
		42	57.1	57.1	70.0	90.0
		48	57.1	57.1	70.0	90.0
	48	30	57.1	57.1	70.0	90.0
		36	57.1	57.1	70.0	90.0
		42	57.1	57.1	70.0	90.0
		44	57.1	57.1	70.0	90.0

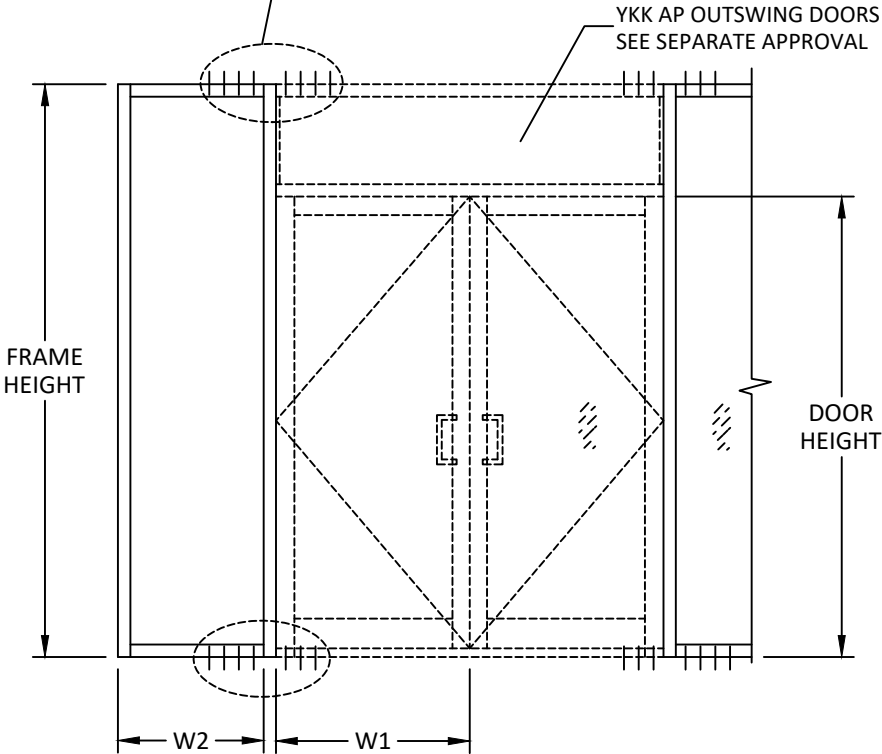


DOOR MULLION
WITHOUT STEEL REINFORCEMENT



DOOR MULLION
WITH STEEL REINFORCEMENT

ANCHOR TYPE	TOTAL NO. OF ANCHORS REQUIRED AT DOOR MULLION HEAD AND SILL BY DESIGN PRESSURE						
	90 PSF	80 PSF	70 PSF	60 PSF	50 PSF	40 PSF	30 PSF
A	7	6	5	5	4	3	3
B	8	7	6	5	4	4	3
C	10	9	8	7	6	5	4
D	14	12	11	9	8	6	5
E	19	17	15	13	11	9	7



DOUBLE DOOR WITH TRANSOM

YKK
ap

Quality
inspires™

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

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)
DOOR MULLION TABLES

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

BUILDING DROPS

REMARKS	BY	DATE
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL14218

DATE: **10.26.15**

DWG. BY:
SM

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK163**

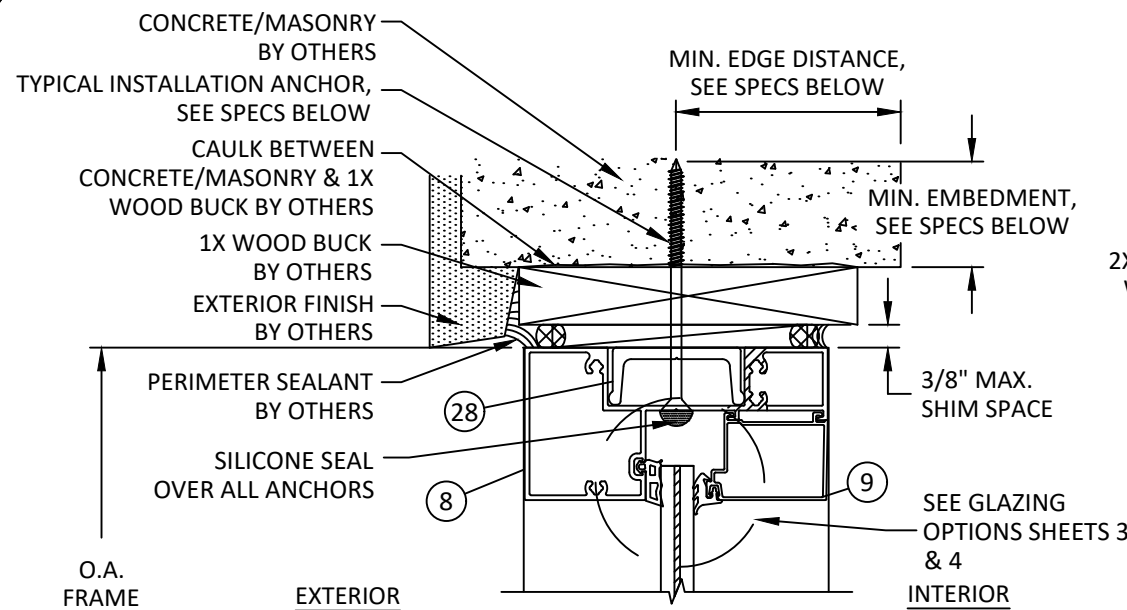
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12

REV.
D

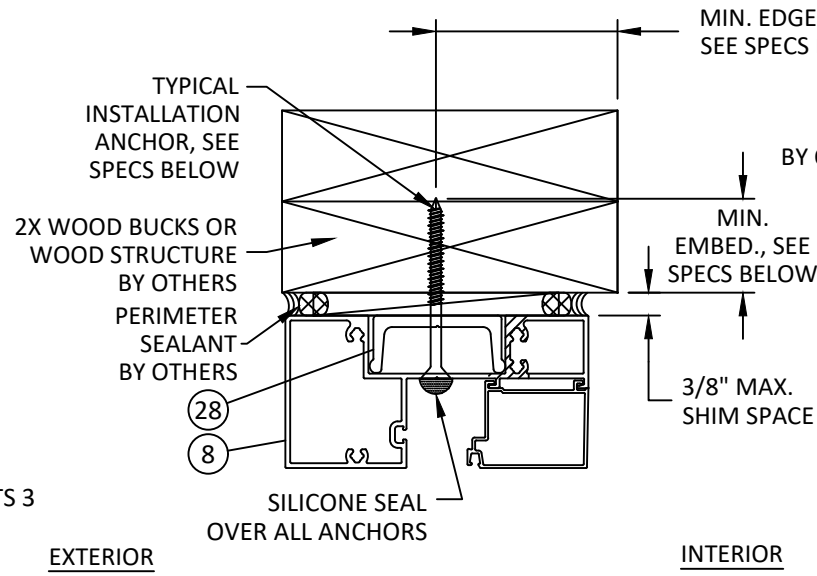
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7/29/2026 8:57 AM

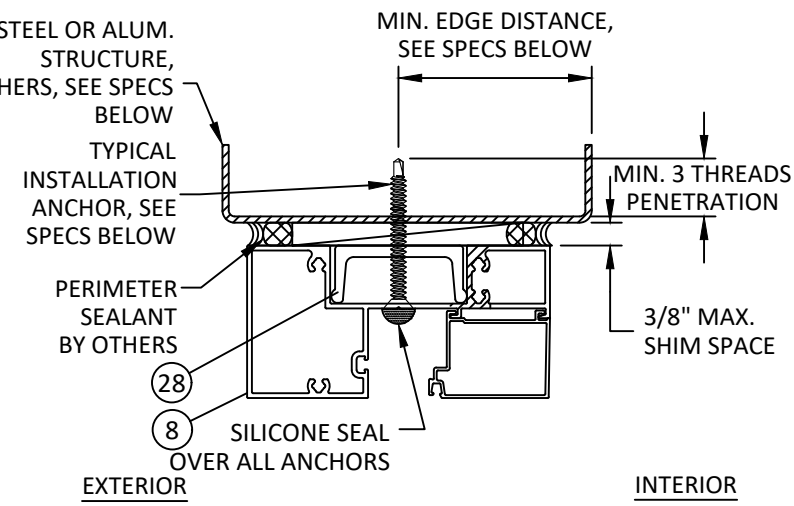
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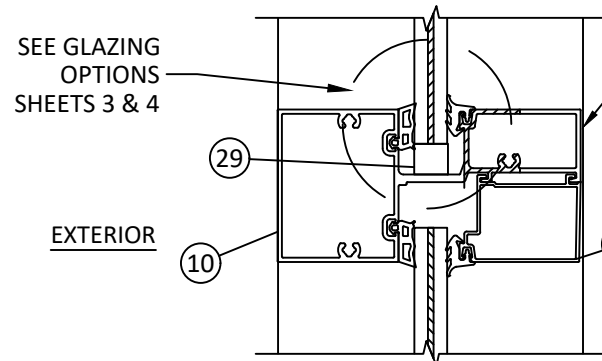
A
13 VERTICAL SECTION
HEAD - CONCRETE/MASONRY W/ 1X BUCK



D
13 VERTICAL SECTION
HEAD - WOOD FRAMING
TYPICAL INSTALLATION



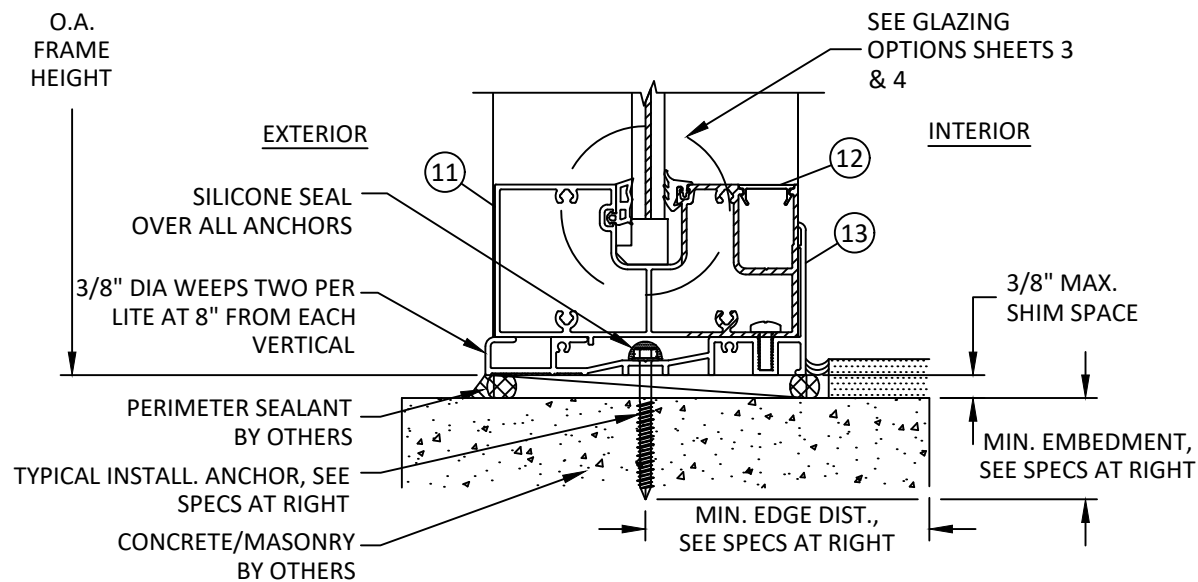
E
13 VERTICAL SECTION
HEAD - METAL SUBSTRATE
TYPICAL INSTALLATION



B
13 VERTICAL SECTION
HORIZONTAL MEMBER

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
60"	55-15/16"	65 PSF
60"	84"	55 PSF

DESIGN LOADS SHOWN ABOVE ARE BASED ON MAX. GLASS AREA ABOVE HORIZONTAL, FOR SIZES SMALLER THAN SHOWN ABOVE, ALLOWABLE DESIGN LOADS MAY BE CALCULATED SEPARATELY.



C
13 VERTICAL SECTION
SILL - DIRECT TO CONCRETE/MASONRY

YHS 50 FS 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. 18 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+	GROUT-FILLED BLOCK PER C-90, MIN. F'C = 2000 PSI	1-3/4"	1-1/2"
	1/4" ITW TAPCON		1"	2"



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

TITLE: YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)

VERTICAL SECTIONS
& ANCHOR DESCRIPTIONS

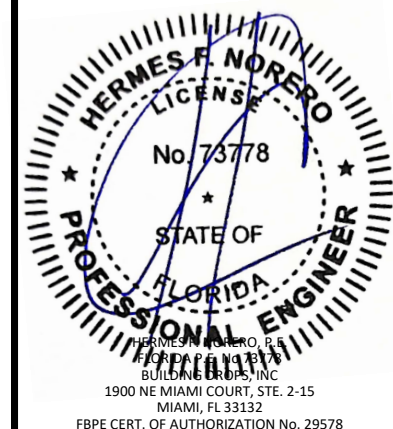
PREPARED BY: BUILDING DROPS, INC.

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
FBC CODE UPDATE	RV	07.12.17
MISC. UPDATE	SH	12.14.22
ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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FL14218

DATE: **10.26.15**

DWG. BY: **SM**

CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK163**

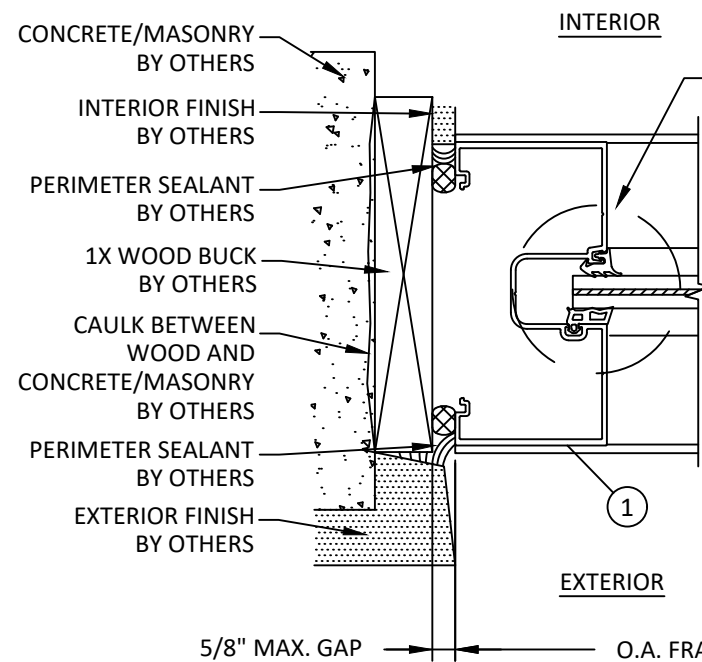
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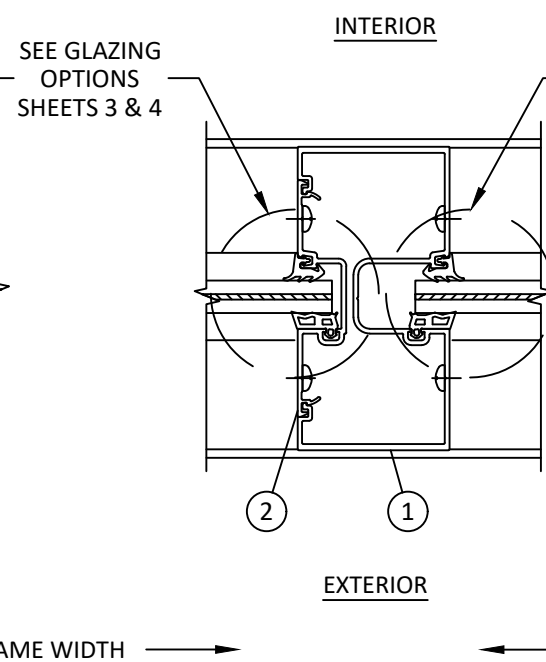
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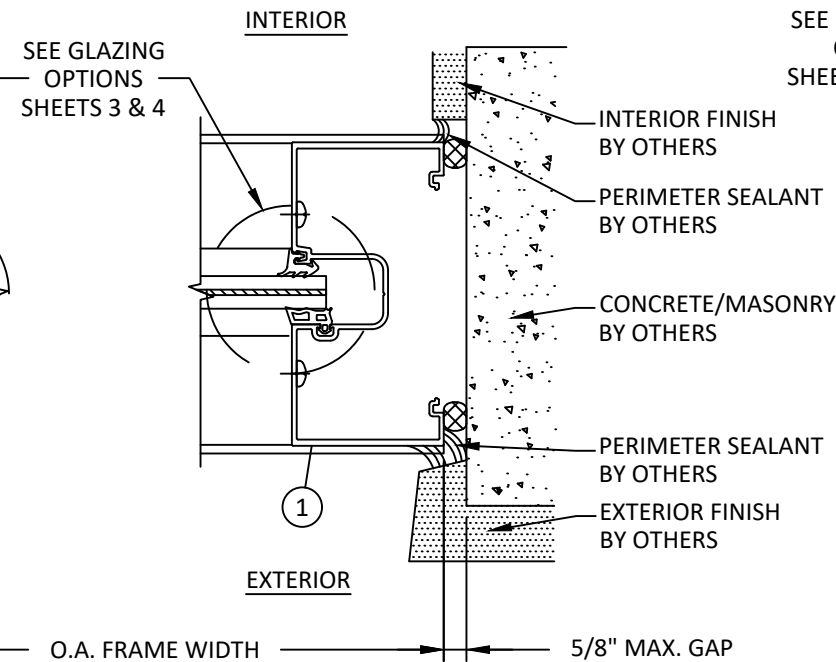
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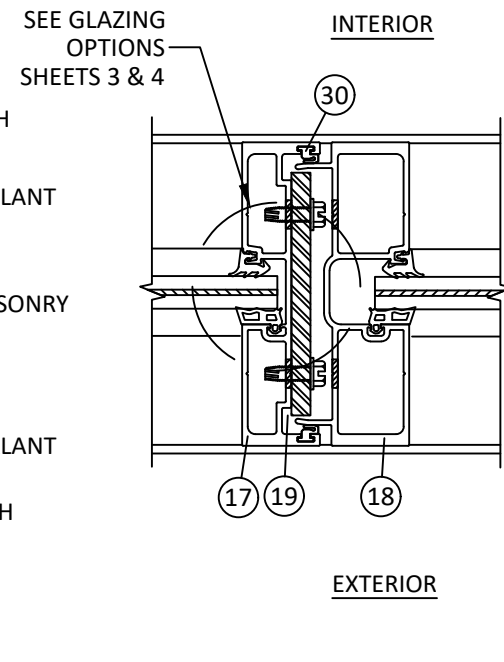
F **HORIZONTAL SECTION**
14 JAMB - CONCRETE/MASONRY W/ 1X BUCK
LIGHT CONFIGURATION



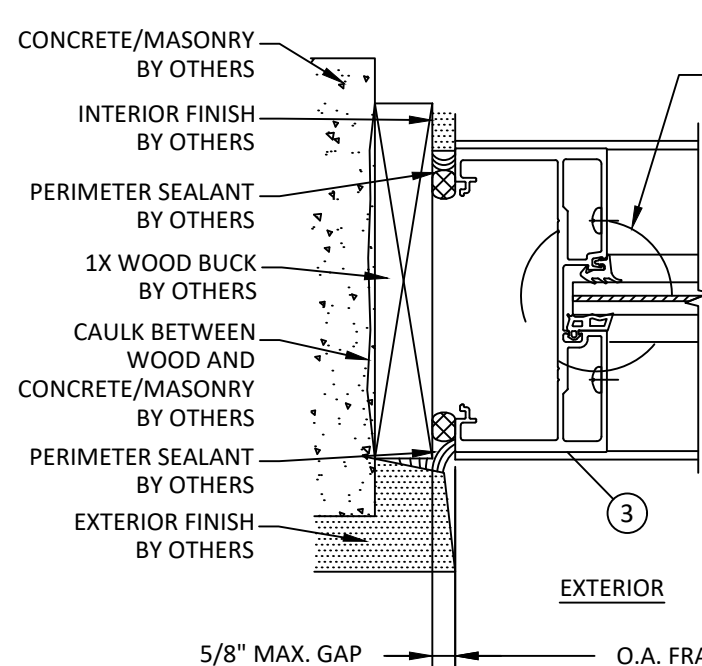
G **HORIZONTAL SECTION**
14 VERTICAL MULLION
LIGHT CONFIGURATION



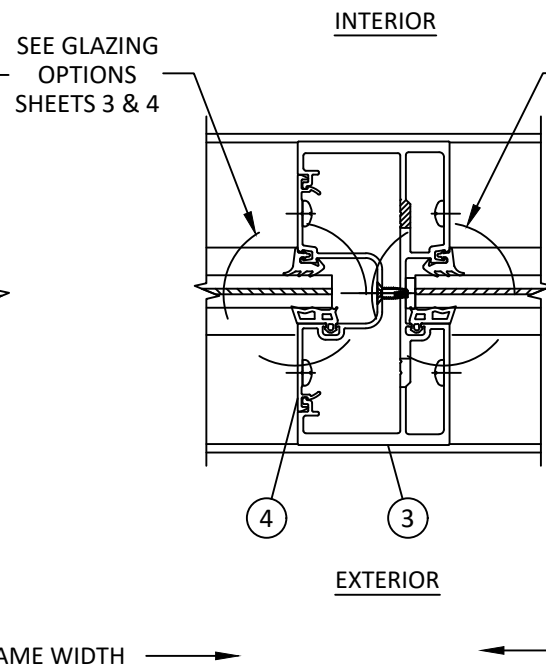
H **HORIZONTAL SECTION**
14 JAMB - DIRECT TO CONCRETE/MASONRY
LIGHT CONFIGURATION



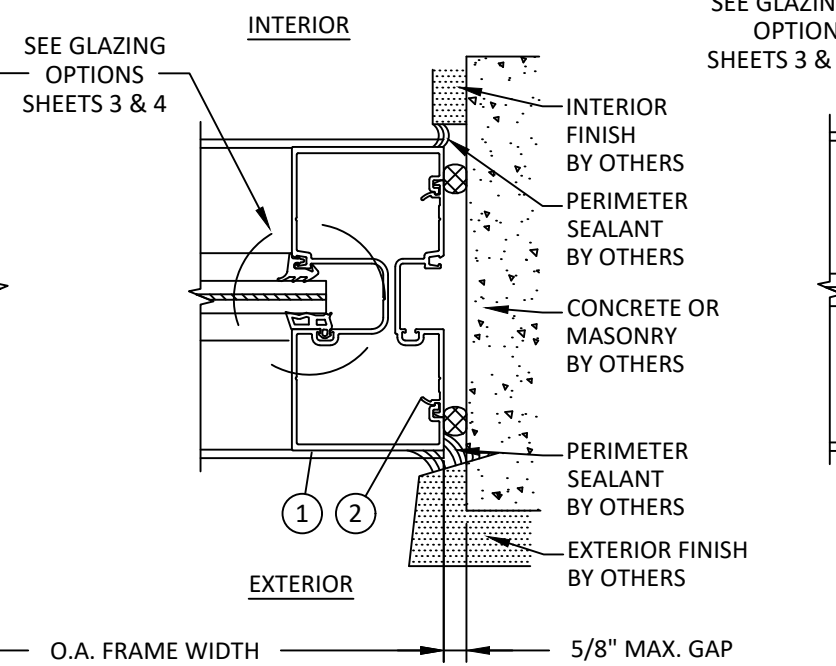
I **HORIZONTAL SECTION**
14 VERTICAL EXPANSION MULLION



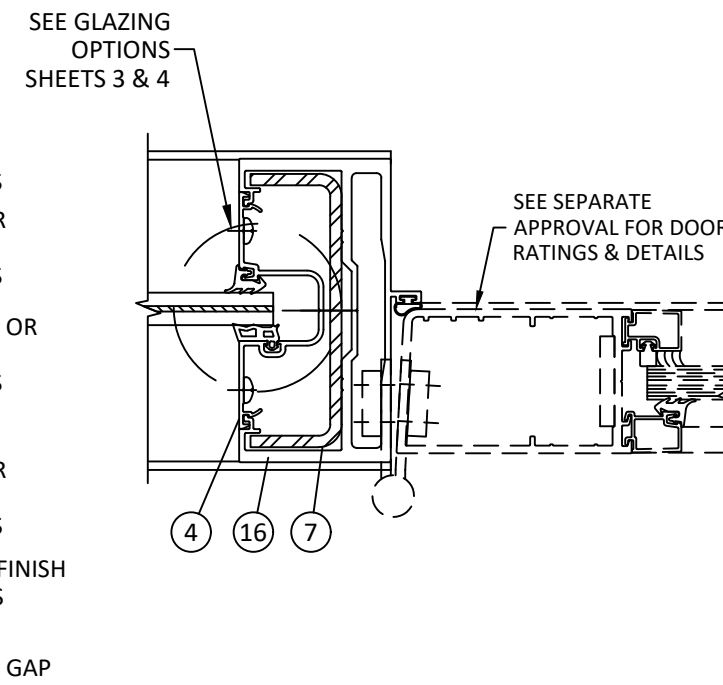
J **HORIZONTAL SECTION**
14 JAMB - CONCRETE/MASONRY W/ 1X BUCK
MEDIUM CONFIGURATION



K **HORIZONTAL SECTION**
14 VERTICAL MULLION
MEDIUM CONFIGURATION



L **HORIZONTAL SECTION**
14 JAMB - DIRECT TO CONCRETE/MASONRY
MEDIUM CONFIGURATION



M **HORIZONTAL SECTION**
14 DOOR JAMB MULLION



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

TITLE: YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)

HORIZONTAL SECTIONS

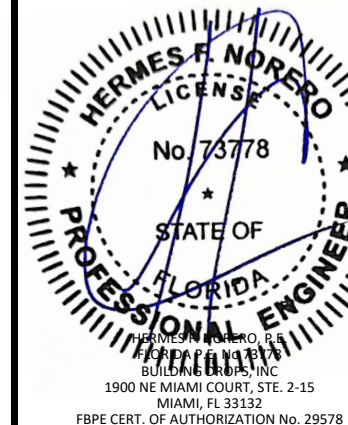
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
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ANCHOR UPDATE	SH	02.10.26
2026 CODE UPDATE	SH	07.28.26

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FL14218

DATE: **10.26.15**

DWG. BY:
SM

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK163**

SHEET:

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14

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HORIZONTAL SECTIONS

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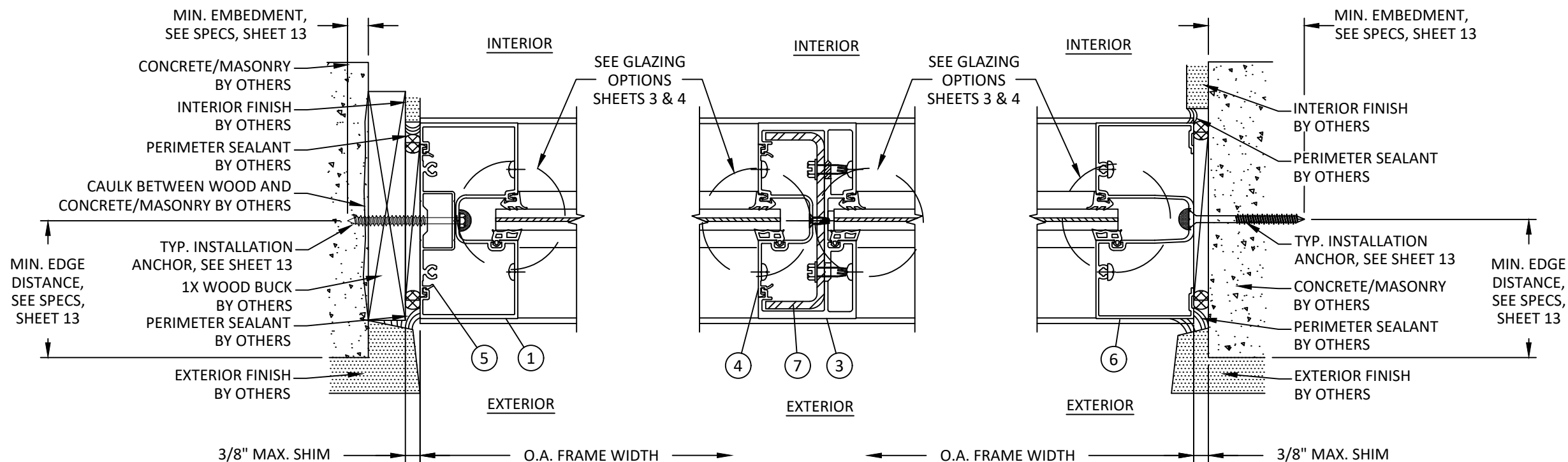
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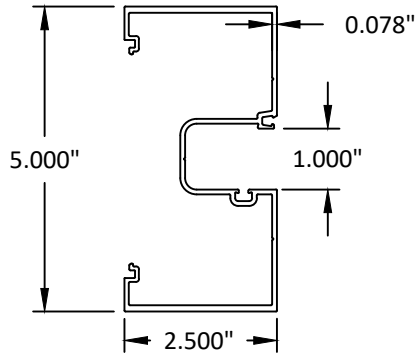
N HORIZONTAL SECTION
15 JAMB - CONCRETE/MASONRY W/ 1X BUCK
HEAVY CONFIGURATION

O HORIZONTAL SECTION
15 VERTICAL MULLION
HEAVY CONFIGURATION

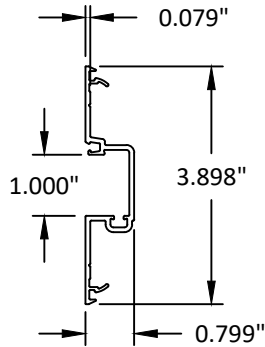
P HORIZONTAL SECTION
15 JAMB - DIRECT TO CONCRETE/MASONRY
HEAVY CONFIGURATION

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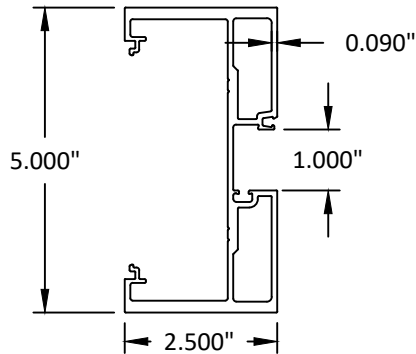
ITEM	PART NO.	DESCRIPTION	MATERIAL
1	E9-0623	JAMB / VERTICAL	6063-T5
2	E9-0617	SHALLOW POCKET FILLER	6063-T5
3	E9-0605	HEAVY DUTY VERTICAL	6063-T6
4	E9-0606	DEEP POCKET FILLER	6063-T5
5	E1-1068	FLAT FILLER AT PERIMETER ANCHOR	6063-T5
6	E9-0622	HEAD / JAMB	6063-T5
7	E1-1062	STEEL CHANNEL (1-1/2" X 4-1/2" X 3/16")	A36 STEEL
8	E9-8649	HEAD	6063-T5
9	E9-0608	GLASS STOP	6063-T5
10	E9-0603	HORIZONTAL	6063-T5
11	E9-8646	SILL	6063-T5
12	E9-8647	SILL HOLE SNAP COVER	6063-T5
13	E9-7993	SILL FLASHING	6063-T5
14	E2-0088	INTERIOR GLAZING GASKET	EPDM
15	E2-0083	EXTERIOR GLAZING GASKET	EPDM
16	E9-0504	DOOR JAMB O/P	6063-T6
17	E9-0518	EXPANSION MULLION (FEMALE)	6063-T6
18	E9-0519	EXPANSION MULLION (MALE)	6063-T6
19	---	EXPANSION MULLION REINFORCEMENT	A36 STEEL
24	E2-0080	SETTING BLOCK	EPDM (85±5)
28	E9-8650	HEAD ANCHOR	6063-T5
29	E2-0019	SETTING BLOCK	EPDM (85±5)
30	K2-2441	WEATHERING GASKET	EPDM



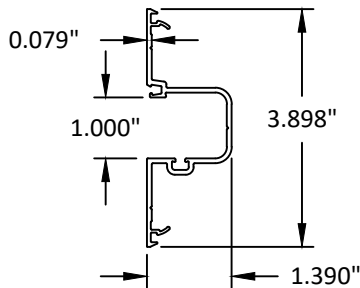
1 JAMB/VERTICAL



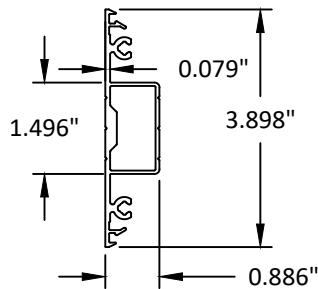
2 SHALLOW POCKET FILLER



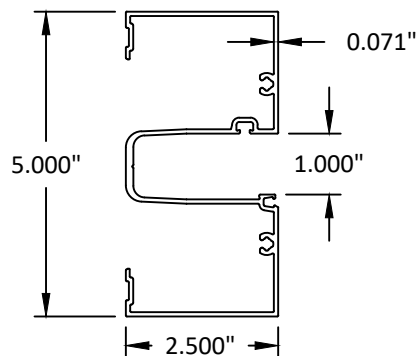
3 HEAVY DUTY VERTICAL



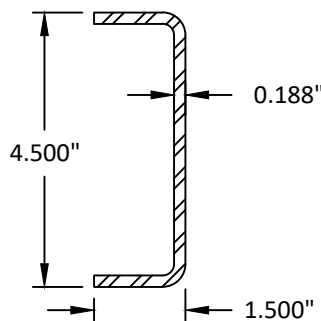
4 DEEP POCKET FILLER



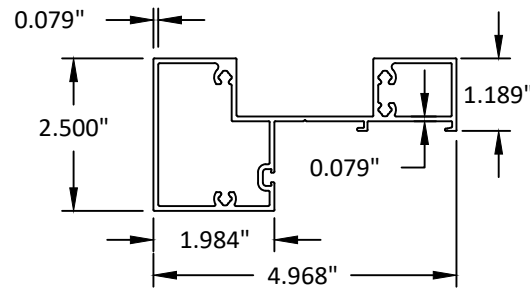
5 FLAT FILLER AT PERIMETER ANCHOR



6 HEAD/JAMB



7 STEEL CHANNEL (1-1/2" X 4-1/2" X 3/16")



8 HEAD



YKK AP AMERICA, INC.
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ATLANTA, GA 30303
PH: (678) 838-6000

TITLE:
YHS 50 FS ALUMINUM STOREFRONT
SYSTEM - INSIDE GLAZED
(HVHZ) (IMPACT)

COMPONENTS & BILL OF MATERIALS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

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FAX: (954) 744-4738

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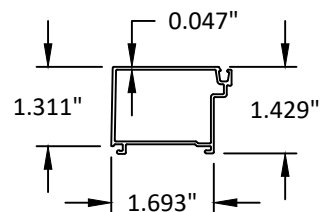
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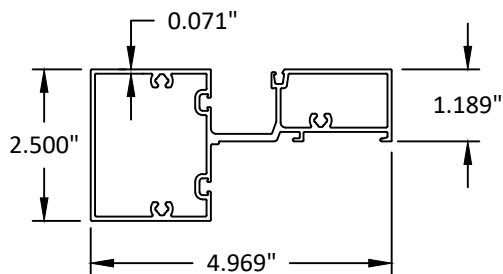


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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK163
SHEET:	16
REV.	D

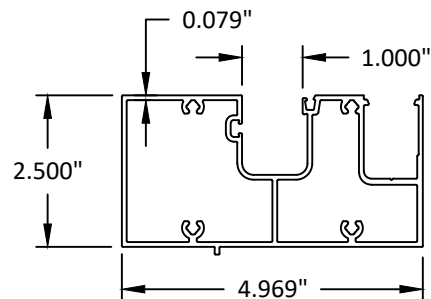
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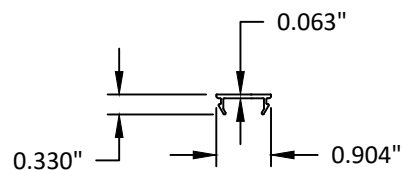
9 GLASS STOP



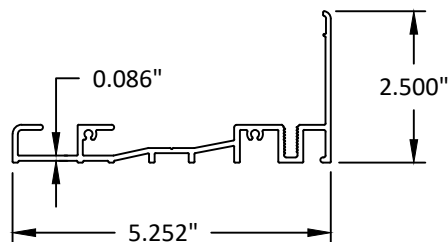
10 HORIZONTAL



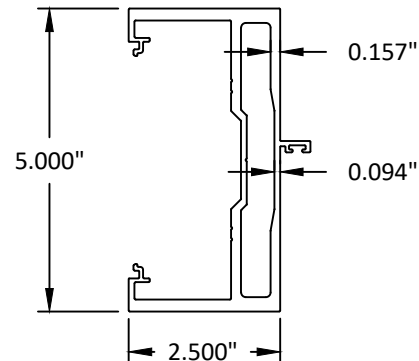
11 SILL



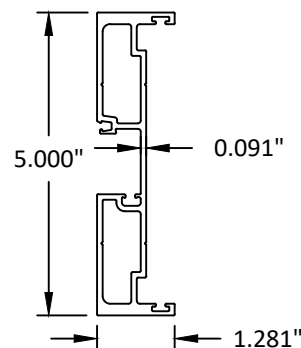
12 SILL HOLE COVER



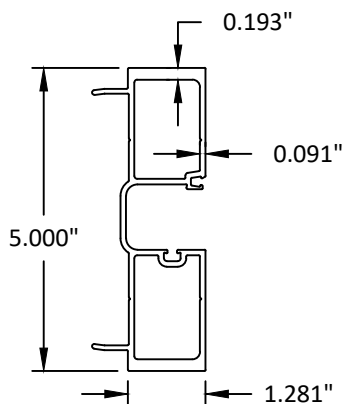
13 SILL FLASHING



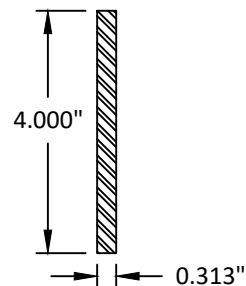
16 DOOR JAMB O/P



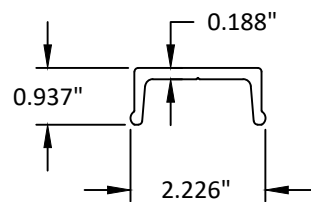
17 EXPANSION MULLION (FEMALE)



18 EXPANSION MULLION (MALE)



19 STEEL REINFORCEMENT BAR



28 HEAD ANCHOR



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ATLANTA, GA 30303
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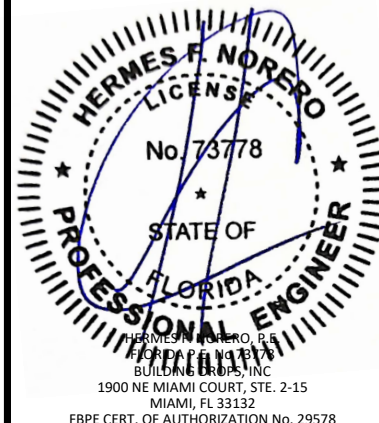
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SYSTEM - INSIDE GLAZED
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COMPONENTS

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SCALE: NTS

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