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YKK AP America Inc.

YES 45 TU (CENTER SET) STOREFRONT SYSTEM (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

- SEE SHEET 6 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENT, 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 WITH 2X WOOD BACKING.
 - 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), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 501-25
 - ASTM E283-19
 - ASTM E330-14
 - ASTM E331-00(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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE. SEE SHEET 3 FOR GLAZING DETAIL. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300.
- 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.

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INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG, HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- SEE CHART ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE. GLASS SELECTION SHALL BE IN ACCORDANCE WITH ASTM E1300.
- CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHART ON SHEETS 3, 4, 5 AND 6 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- THE LOWEST VALUE RESULTING FROM STEP 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.



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

TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
INSTALLATION & GENERAL NOTES

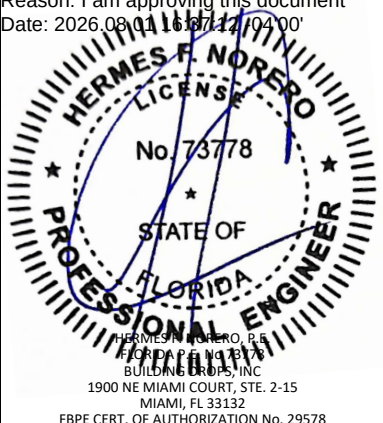
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
VALIDATOR'S COMM.	AR	10.12.17
2023 FBC CODE UPDATE	MS	04.21.23
2026 FBC CODE UPDATE	SH	07.06.26

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.

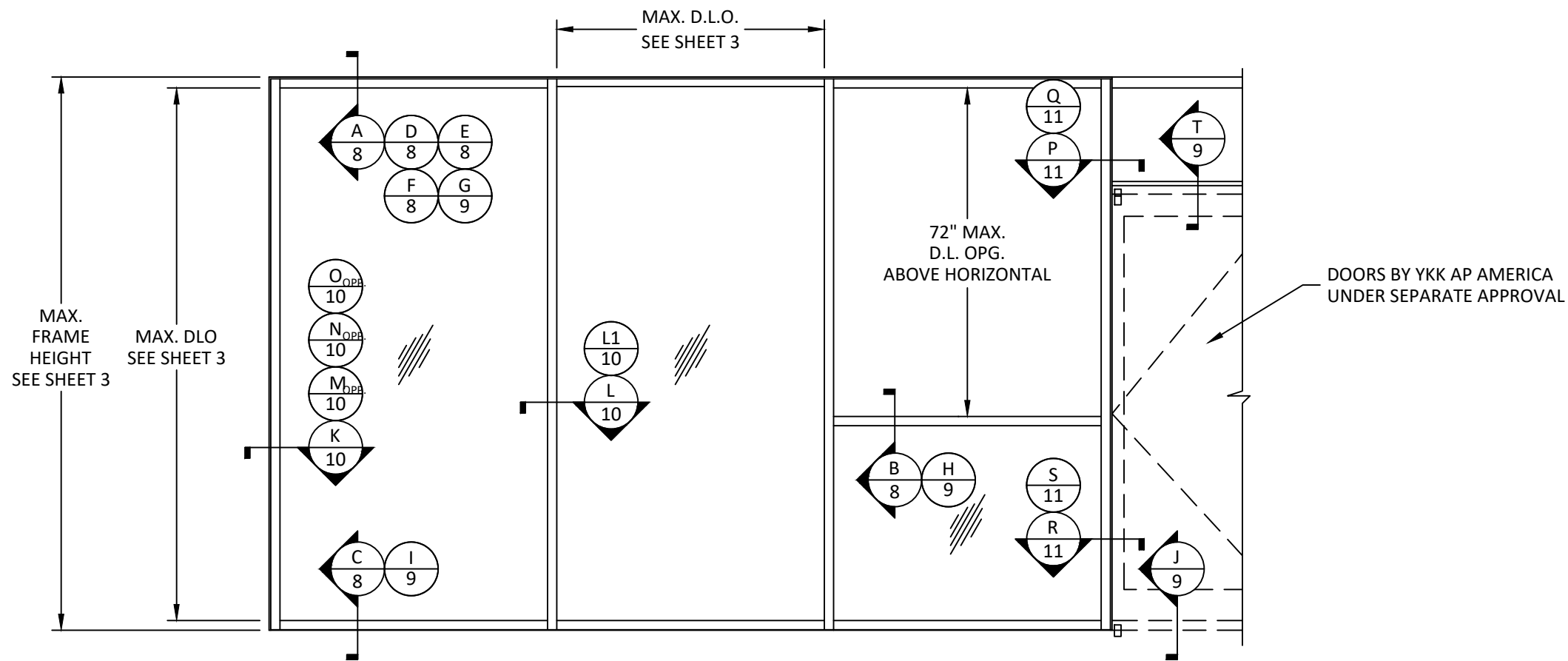
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Reason: I am approving this document
Date: 2026.08.01 16:17:17 -04'00'



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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SCALE:	NTS
DWG. #:	YKK218
SHEET:	1
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ELEVATION
TYPICAL YES 45 TU (CENTER SET) STOREFRONT



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(NON-HVHZ) (NON-IMPACT)
ELEVATION

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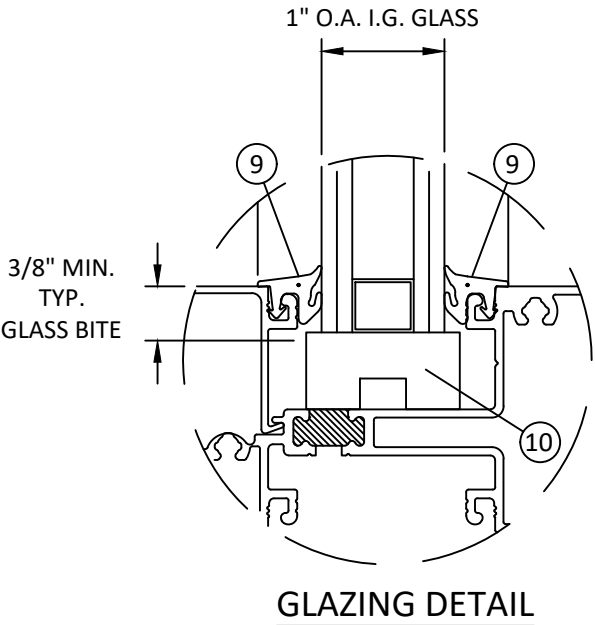
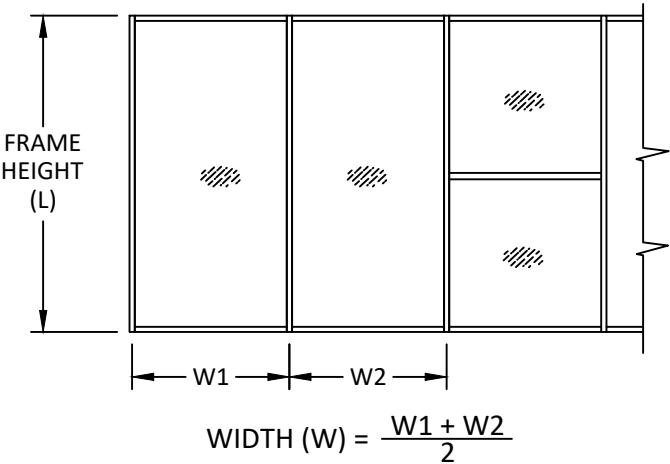


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SHEET:	2 OF 12	
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MULLION LOAD TABLES

DESIGN LOAD CAPACITY - PSF			
FRAME DIMENSIONS		ANCHOR TYPE A	ANCHOR TYPE B
WIDTH, 'W' (IN.)	HEIGHT, 'H' (IN.)	(+/- PSF)	(+/- PSF)
24	66	100.0	90.4
30		81.8	81.8
36		68.2	68.2
42		58.4	58.4
48		51.1	51.1
54		45.5	45.5
60	72	40.9	40.9
66		37.2	37.2
72		34.1	34.1
24		93.8	82.9
30		75.0	75.0
36		62.5	62.5
42	78	53.6	53.6
48		46.9	46.9
54		41.7	41.7
60		37.5	37.5
66		34.1	34.1
72		31.3	31.3
24	84	86.5	76.5
30		69.2	69.2
36		57.7	57.7
42		49.5	49.5
48		43.3	43.3
54		38.5	38.5
60	90	34.6	34.6
66		31.5	31.5
72		28.8	28.8
24		80.4	71.0
30		64.3	64.3
36		53.6	53.6
42	96	45.9	45.9
48		40.2	40.2
54		35.7	35.7
60		32.1	32.1
66		29.2	29.2
72		26.8	26.8
24	102	70.7	66.3
30		56.6	56.6
36		47.1	47.1
42		40.4	40.4
48		35.3	35.3
54		31.4	31.4
60	108	28.3	28.3
66		25.7	25.7
72		23.6	23.6

DESIGN LOAD CAPACITY - PSF			
FRAME DIMENSIONS		ANCHOR TYPE A	ANCHOR TYPE B
WIDTH, 'W' (IN.)	HEIGHT, 'H' (IN.)	(+/- PSF)	(+/- PSF)
24	96	62.1	62.1
30		49.7	49.7
36		41.4	41.4
42		35.5	35.5
48		31.1	31.1
54		27.6	27.6
60	102	24.9	24.9
66		22.6	22.6
72		22.6	22.6
24		55.0	55.0
30		44.0	44.0
36		36.7	36.7
42	108	31.4	31.4
48		27.5	27.5
54		24.5	24.5
60		22.0	22.0
24		49.1	49.1
30		39.3	39.3
36	114	32.7	32.7
42		28.1	28.1
48		24.5	24.5
54		21.8	21.8
60		19.6	19.6
24	120	44.1	44.1
30		35.2	35.2
36		29.4	29.4
42		25.2	25.2
48		22.0	22.0
54		19.6	19.6
24	126	39.8	39.8
30		31.8	31.8
36		26.5	26.5
42		22.7	22.7
48		19.9	19.9
54		17.7	17.7



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

DRY GLAZED GLASS TYPES
NON IMPACT GLAZING

GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN)		INSUL. GLASS
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)
24	60	56.0
30		46.0
36		38.3
42		32.9
48		28.8
54		25.6
60	66	23.0
66		25.3
70		26.8
24		54.7
30		46.0
36		38.3
42	72	32.9
48		28.8
54		25.6
60		23.0
66		20.9
70		22.2
24	78	53.7
30		45.3
36		38.3
42		32.9
48		28.8
54		25.6
60	84	23.0
61		22.6
24		52.2
30		43.6
36		38.0
42		32.9
48	84	28.8
54		25.6
56		24.6

GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (IN)		INSUL. GLASS
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)
24	90	51.7
30		43.0
36		37.3
42		32.9
48		28.8
53		26.0
24	96	51.2
30		42.5
36		36.7
42		32.8
48		28.8
49		28.2
24	102	50.8
30		42.0
36		36.3
42		32.2
46		30.0
24	104	50.6
30		41.9
36		36.1
42		32.1
46		30.0
24	108	50.4
30		41.6
36		35.8
42		31.8
24	114	50.1
30		41.3
36		35.5
41		32.0
24	116	50.0
30		41.1
36		35.3
41		31.8

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



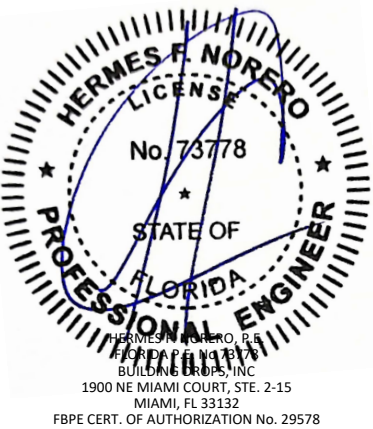
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GLASS AND MULLION LOAD TABLE &
GLAZING DETAIL

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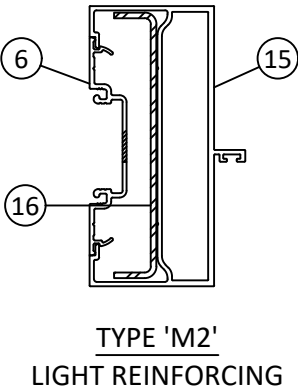
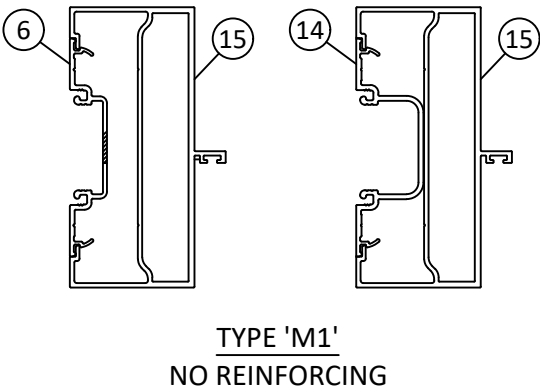
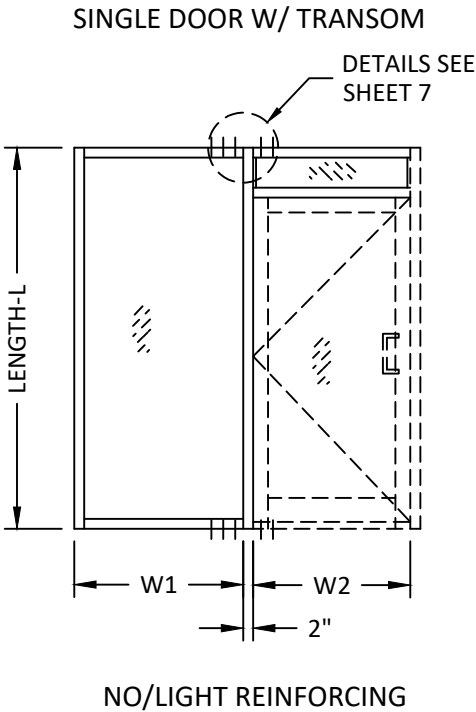
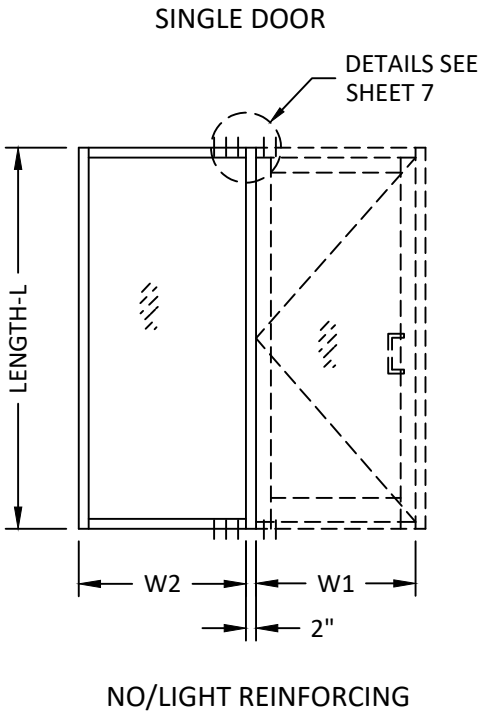
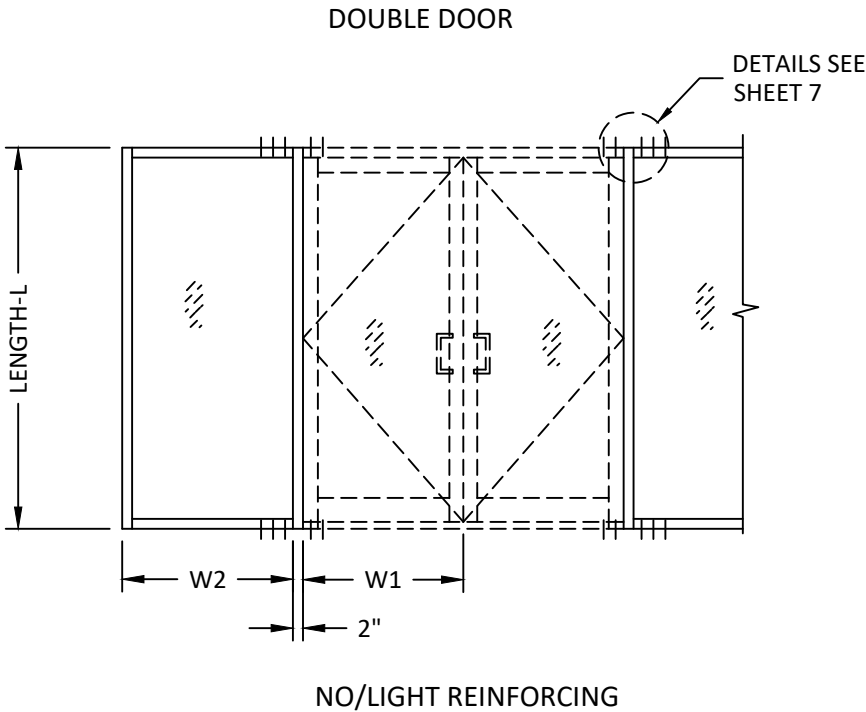
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DOOR MULLION LOAD TABLE

DOOR MULLION LOAD CAPACITY			
NOMINAL DIMS.		TYPE 'M1'	TYPE 'M2'
WIDTH (W) INCHES	LENGTH - L INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	81.75	84.6	100.0
36		70.5	100.0
42		60.4	97.6
48		52.9	85.4
54		47.0	75.9
30	85.75	76.9	100.0
36		64.1	100.0
42		54.9	88.7
48		48.0	77.6
54		42.7	69.0
30	91.75	67.1	100.0
36		56.0	90.4
42		48.0	77.5
48		42.0	67.8
54		37.3	60.3
30	97.75	59.2	95.6
36		49.3	79.7
42		42.3	68.3
48		37.0	59.7
51.875		34.2	55.3



$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 2"$$

ELEVATIONS ABOVE SHOW NUMBER OF ANCHORS REQD. AT HEAD/SILL OF DOOR MULLION FOR VARIOUS CONFIGURATIONS. SEE SHEETS 8 & 9 FOR DETAIL.



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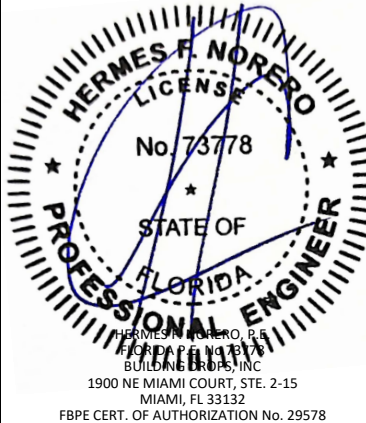
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DOOR MULLION LOAD TABLE

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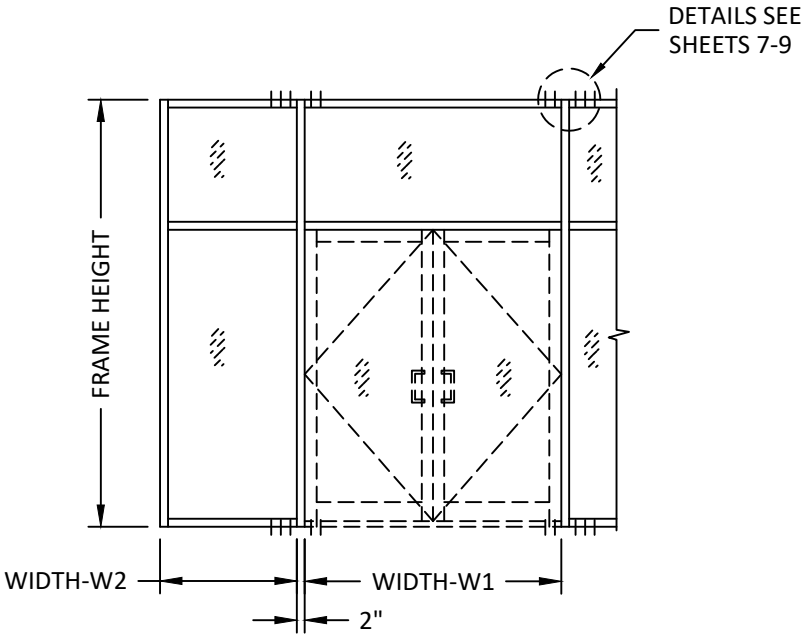
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DOOR MULLION LOAD TABLE

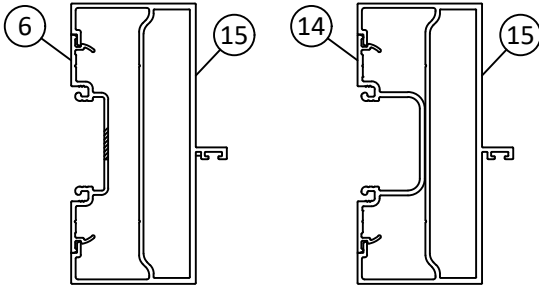
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DOOR MULLION LOAD CAPACITY - NO REINFORCING			
NOMINAL DIMS.			LOADS - PSF
WIDTH (W1)	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
60	30	102	37.1
	36		34.8
	42		32.7
	48		30.9
	54		29.3
	60		27.8
66	30		34.8
	36		32.7
	42		30.9
	48		29.3
	54		27.8
	60		26.5
72	30		32.7
	36		30.9
	42		29.3
	48		27.8
	54		26.5
	60		25.3
84	30		29.3
	36		27.8
	42		26.5
	48		25.3
60	30	108	33.1
	36		31.0
	42		29.2
	48		27.6
	54		26.1
	60		24.8
66	30		31.0
	36		29.2
	42		27.6
	48		26.1
	54		24.8
	60		23.6
72	30		29.2
	36		27.6
	42		26.1
	48		24.8
	54		23.6
	60		22.3
84	30		26.1
	36		24.8
	42		23.6

DOOR MULLION LOAD CAPACITY - NO REINFORCING			
NOMINAL DIMS.			LOADS - PSF
WIDTH (W1)	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
60	30	114	29.7
	36		27.9
	42		26.2
	48		24.8
	54		23.5
	60		22.3
66	30		27.9
	36		26.2
	42		24.8
	48		23.5
	54		22.3
	60		21.2
72	30		26.2
	36		24.8
	42		23.5
84	30		23.5
	36		22.3
	42		21.2
60	30	120	26.8
	36		25.1
	42		23.7
	48		22.3
	54		21.2
	60		20.0
66	30		23.7
	36		22.3
	42		21.2
72	30		23.7
	36		22.3
	42		21.2
84	30		21.2



DOUBLE DOOR W/ TRANSOM



TYPE "M1"
NO REINFORCING

$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 2"$$

ELEVATION ABOVE SHOWS NUMBER OF ANCHORS REQD.
AT HEAD/SILL OF DOOR MULLION FOR VARIOUS
CONFIGURATIONS. SEE SHEET 7-9 FOR DETAIL.



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

TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
DOOR MULLION LOAD 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
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2023 FBC CODE UPDATE	MS	04.21.23
2026 FBC CODE UPDATE	SH	07.06.26

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FL #:
FL12926

DATE: 05.15.18

DWG. BY: HE
CHK. BY: HFN

SCALE: NTS

DWG. #: YKK218

SHEET: 5
REV. C

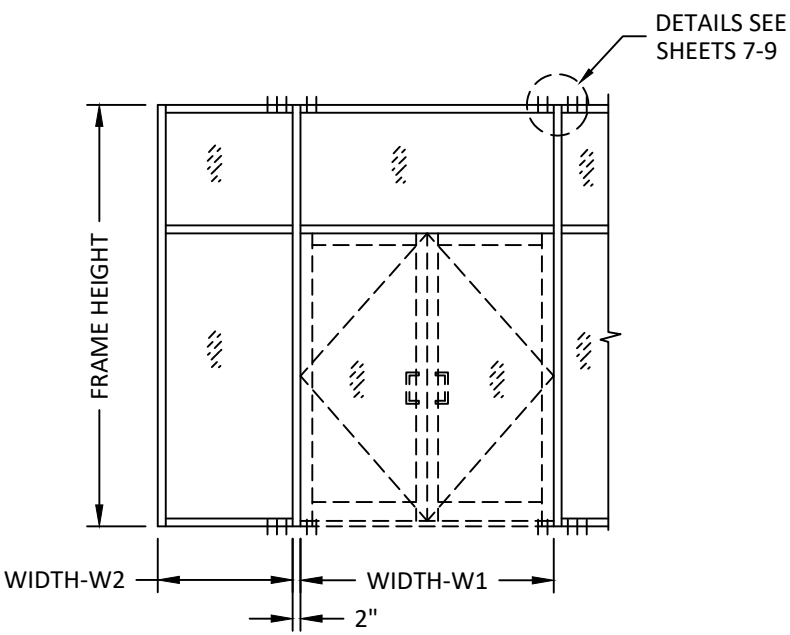
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DOOR MULLION LOAD TABLE

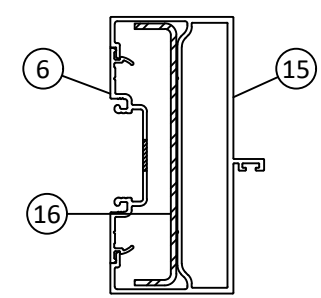
LIGHT REINFORCING

DOOR MULLION LOAD CAPACITY - LIGHT REINFORCING			
NOMINAL DIMS.			LOADS - PSF
WIDTH (W1)	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
60	30	102	58.5
	36		54.9
	42		51.6
	48		48.8
	54		46.2
	60		43.9
66	30		54.9
	36		51.6
	42		48.8
	48		46.2
	54		43.9
	60		41.8
72	30		51.6
	36		48.8
	42		46.2
	48		43.9
	54		41.8
	60		39.9
84	30		46.2
	36		43.9
	42		41.8
	48		39.9
60	30	108	52.2
	36		48.9
	42		46.1
	48		43.5
	54		41.2
	60		39.2
66	30		48.9
	36		46.1
	42		43.5
	48		41.2
	54		39.2
	60		37.3
72	30		46.1
	36		43.5
	42		41.2
	48		39.2
	54		37.3
	60		35.2
84	30		41.2
	36		39.2
	42		37.3

DOOR MULLION LOAD CAPACITY - LIGHT REINFORCING			
NOMINAL DIMS.			LOADS - PSF
WIDTH (W1)	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
60	30	114	46.9
	36		43.9
	42		41.3
	48		39.0
	54		37.0
	60		35.1
66	30		43.9
	36		41.3
	42		39.0
	48		37.0
	54		35.1
	60		41.3
72	30		39.0
	36		37.0
	42		35.1
	48		37.0
84	30		37.0
	36		35.1
	42		32.3
60	30	120	39.6
	36		37.3
	42		35.2
	48		33.4
	54		33.4
	60		39.6
66	30		37.3
	36		35.2
	42		33.4
	48		33.4
72	30		37.3
	36		35.2
	42		33.4
84	30		33.4



DOUBLE DOOR W/ TRANSOM



TYPE 'M2'
LIGHT REINFORCING

$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 2"$$

ELEVATION ABOVE SHOWS NUMBER OF ANCHORS REQD.
AT HEAD/SILL OF DOOR MULLION FOR VARIOUS
CONFIGURATIONS. SEE SHEETS 7-9 FOR DETAIL.



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

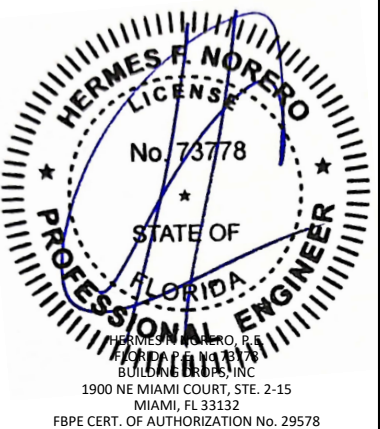
TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
DOOR MULLION LOAD TABLE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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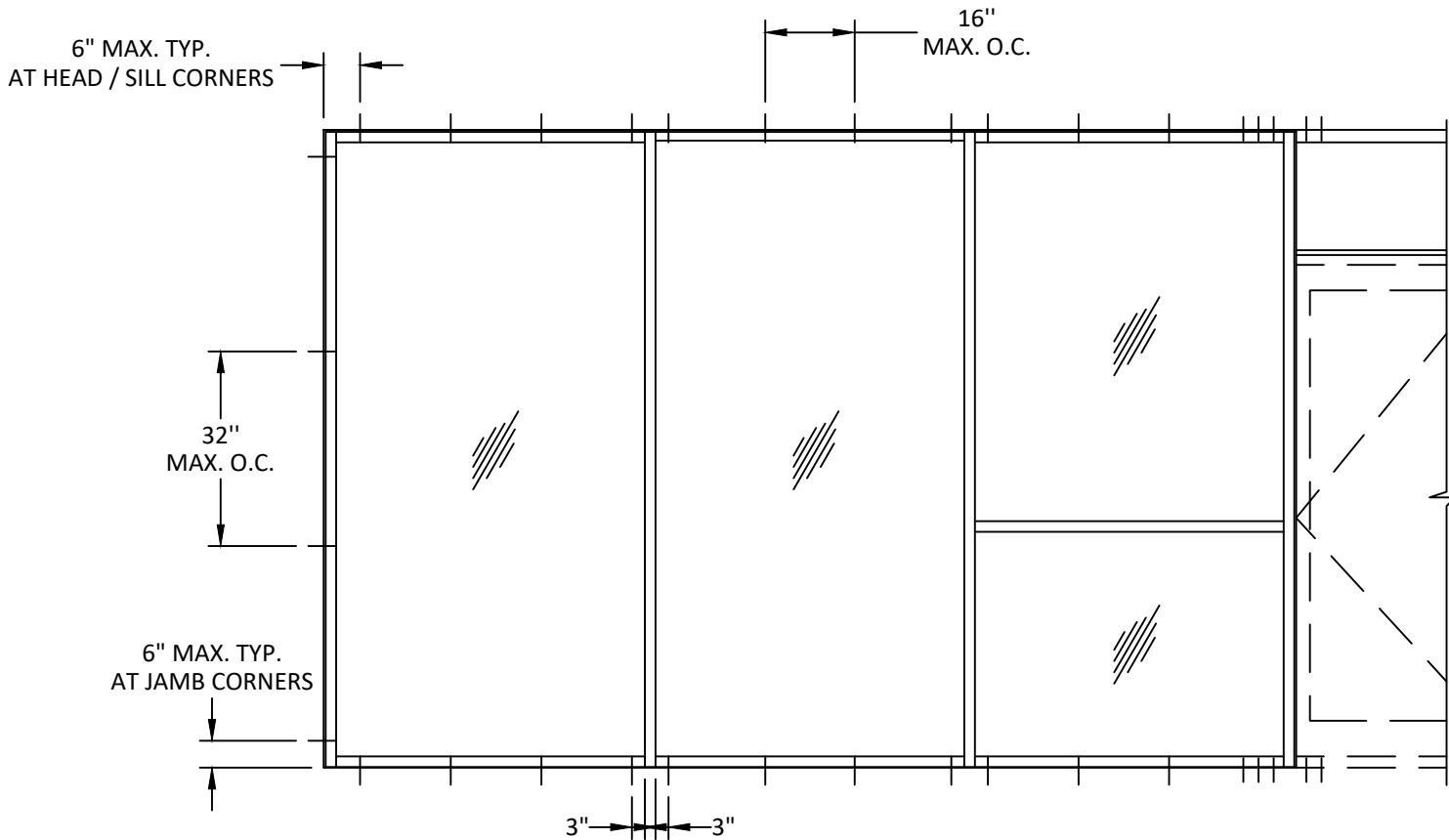
REMARKS	BY	DATE
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SCALE:	NTS
DWG. #:	YKK218
SHEET:	6
REV.	C

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ANCHOR LAYOUT
TYPICAL YES 45 TU (CENTER SET) STOREFRONT

TYPICAL ANCHORS

(SEE SHEET 3 FOR ANCHOR TABLE)

TYPE A

#14 WOOD SCREW:

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (MIN. S.G. = 0.55)
1-1/2" MIN. PENETRATION INTO WOOD

1/4" DIA. TAPCON BY ITW' (Fu= 125 KSI, Fy= 100 KSI)

1/4" DIA. ULTRACON+ BY DEWALT' (Fu= 177 KSI, Fy= 155 KSI)
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
DIRECTLY INTO CONC. OR MASONRY
1-3/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE B

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO FBC APPROVED MULLIONS (MIN. THK = .090")
(NO SHIM SPACE)
INTO METAL STRUCTURES
STEEL : 18 GA.(.048) MIN. (Fy = 33 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 3/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMB f_c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f_m = 2000 PSI MIN.

SEALANTS:

ALL FRAME CORNERS SEALED WITH JOINT SEALANT



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TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
ANCHOR LAYOUT

PREPARED BY:

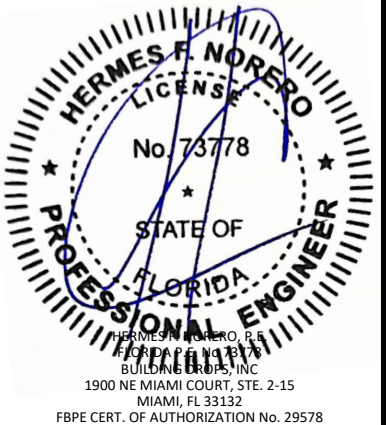
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HE	HFN

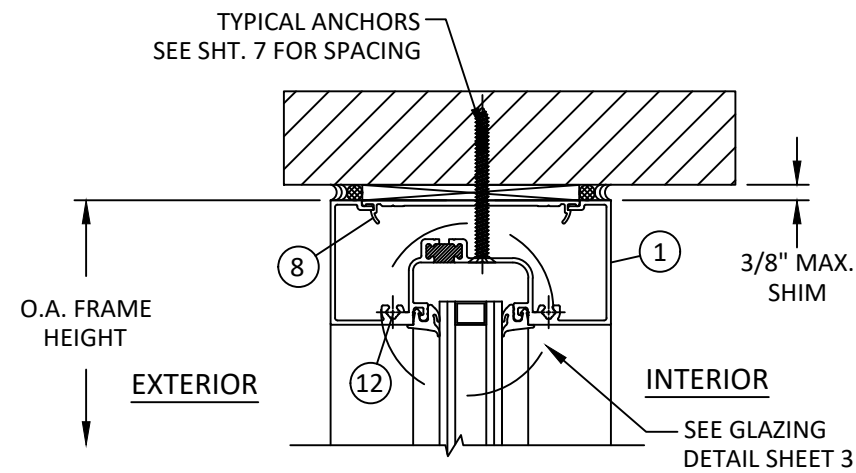
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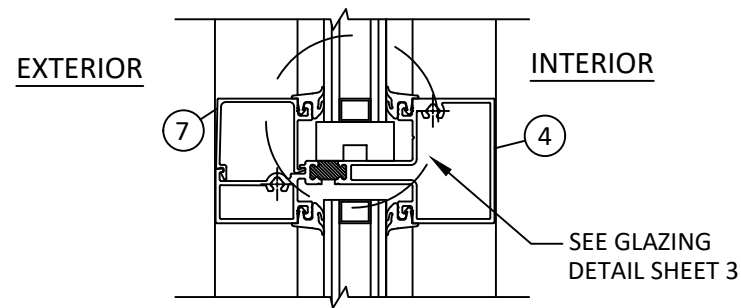
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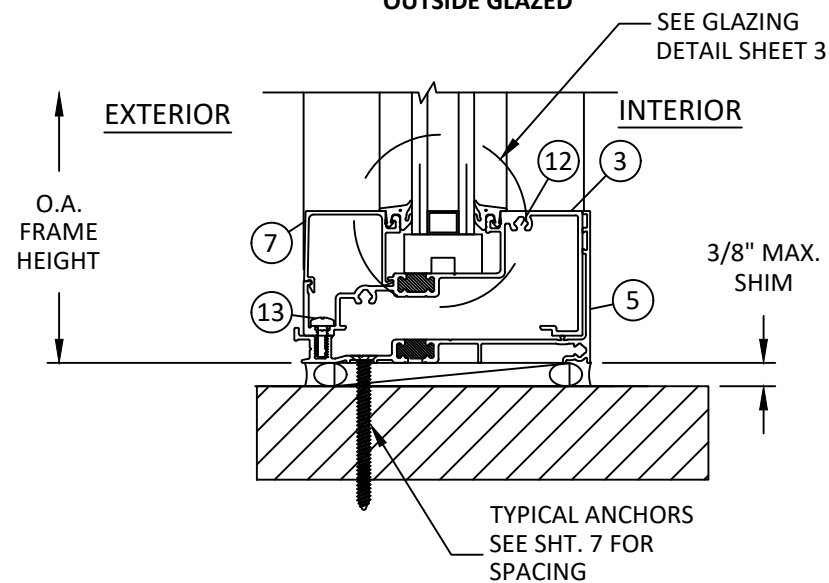
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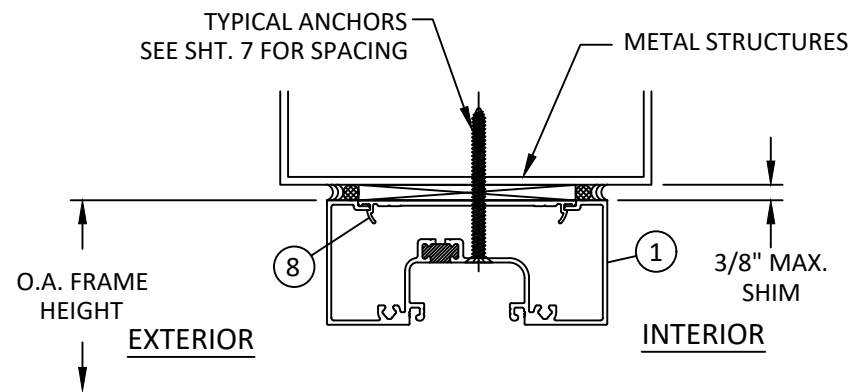
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8 **VERTICAL SECTION**
HEAD - OUTSIDE GLAZED



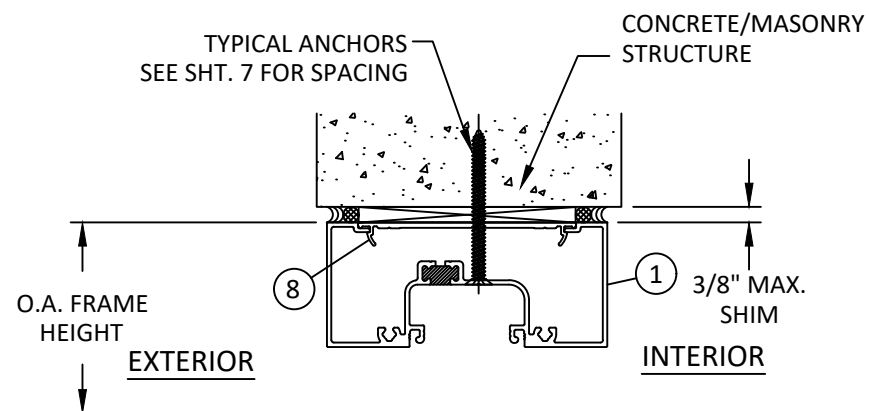
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8 **VERTICAL SECTION**
HORIZONTAL MEMBER
OUTSIDE GLAZED



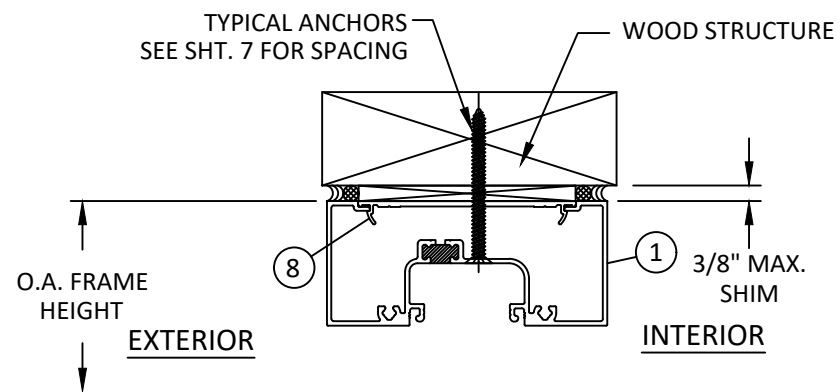
C
8 **VERTICAL SECTION**
SILL - INSIDE/OUTSIDE GLAZED



D
8 **VERTICAL SECTION**
HEAD - METAL SUBSTRATE



E
8 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY



F
8 **VERTICAL SECTION**
HEAD - WOOD FRAMING



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ALUMINUM STOREFRONT SYSTEM
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VERTICAL SECTIONS

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



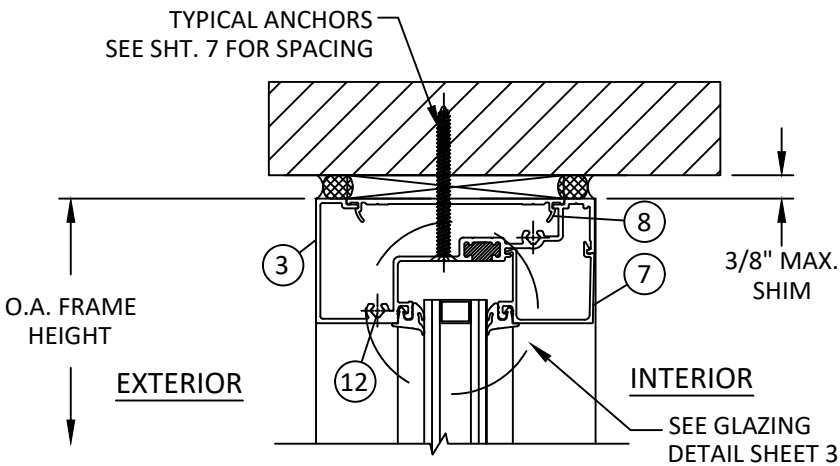
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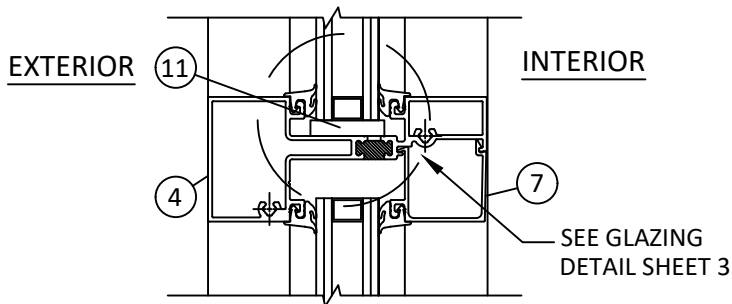


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DWG. BY:	HE
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK218
SHEET:	8
REV.	C

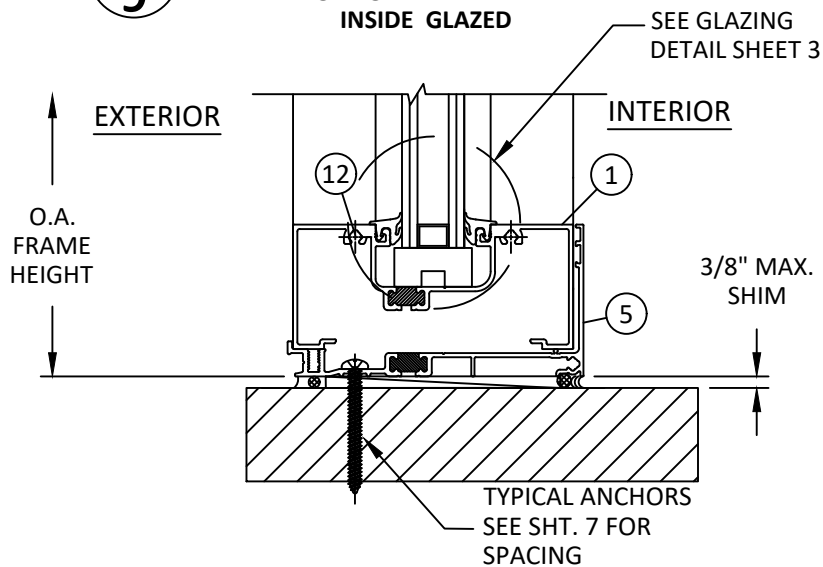
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G
9 **VERTICAL SECTION**
HEAD
INSIDE GLAZED

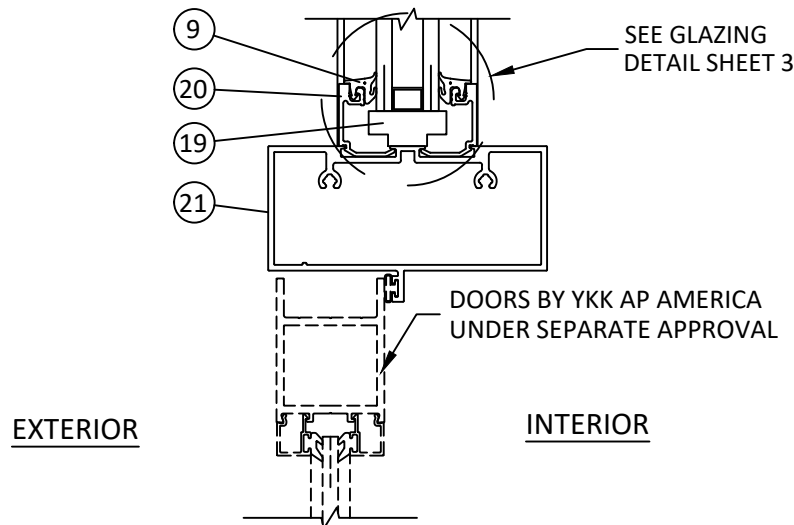


H
9 **VERTICAL SECTION**
HORIZONTAL MEMBER
INSIDE GLAZED



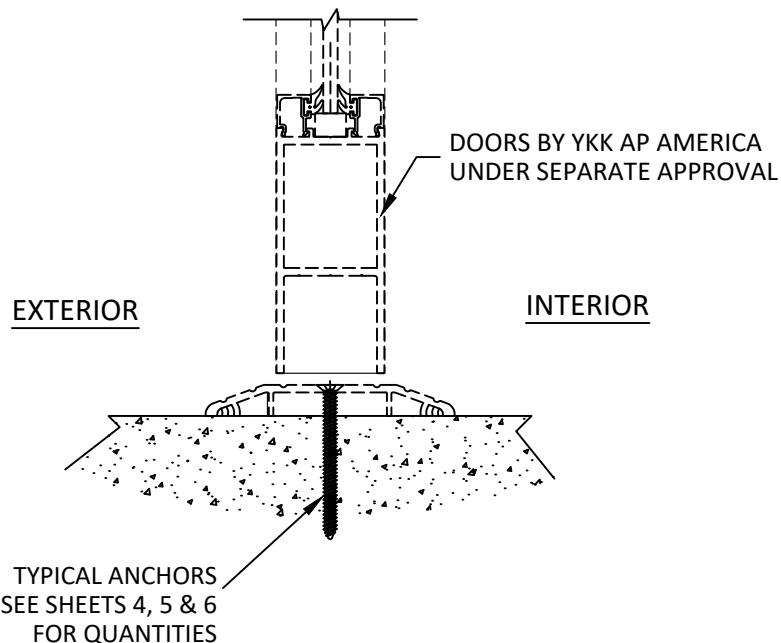
IF MULLION END LOAD REACTION IS 500 LBS OR LESS
(INSIDE GLAZED), USE THIS SILL CONDITION.

I
9 **VERTICAL SECTION**
SILL - INSIDE GLAZED



T
9 **VERTICAL SECTION**
DOOR HEAD W/ TRANSOM

MULLION CONNECTION TO DOOR SILL
SEE SEPARATE YKK AP AMERICA DOOR APPROVAL
FOR COMPONENT SIZES, INSTALLATION DETAILS
AND DESIGN LOAD RATING. LOWER DESIGN
PRESSURE FROM STOREFRONT OR DOOR
APPROVAL WILL APPLY TO ENTIRE SYSTEM.



J
9 **VERTICAL SECTION**
DOOR SILL



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

TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)

VERTICAL SECTIONS

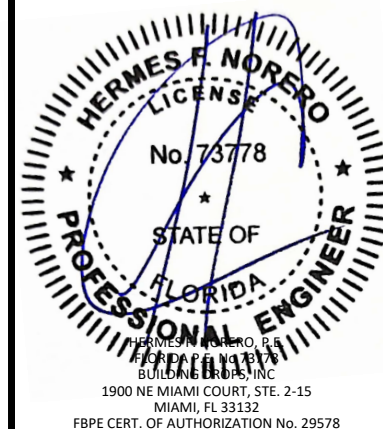
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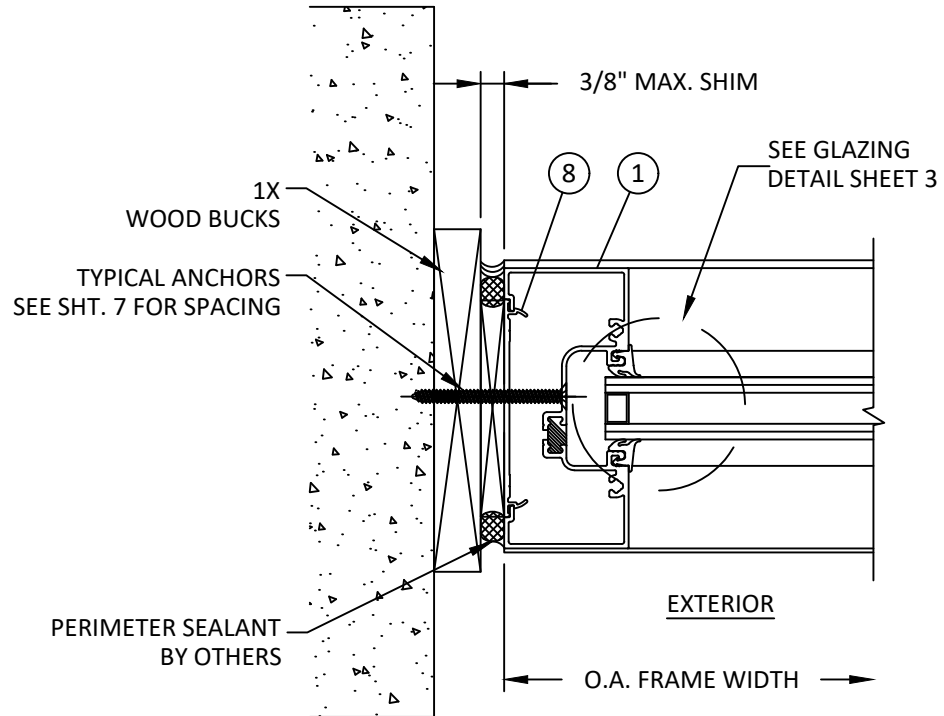
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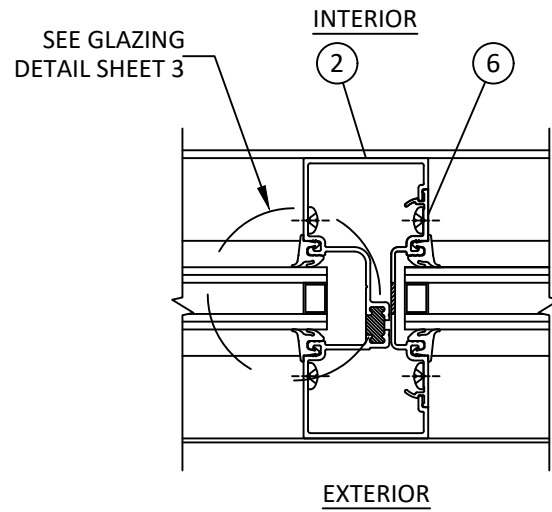
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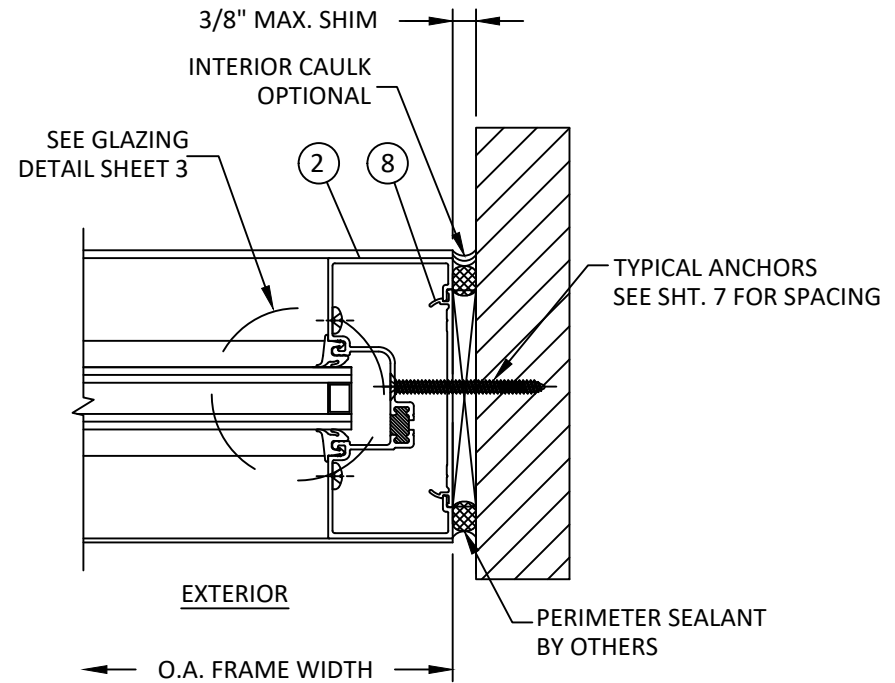
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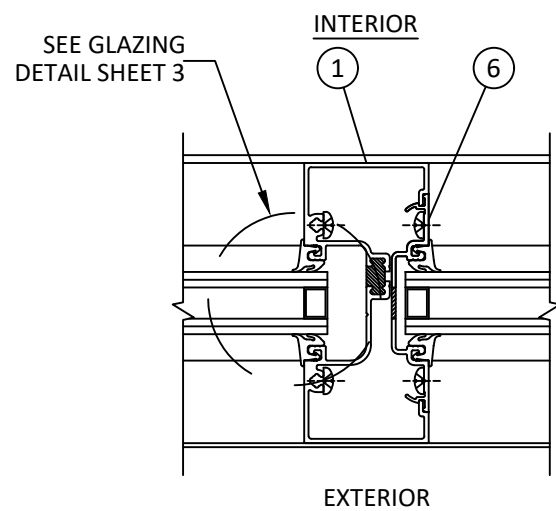
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10 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK
INSIDE/OUTSIDE GLAZED



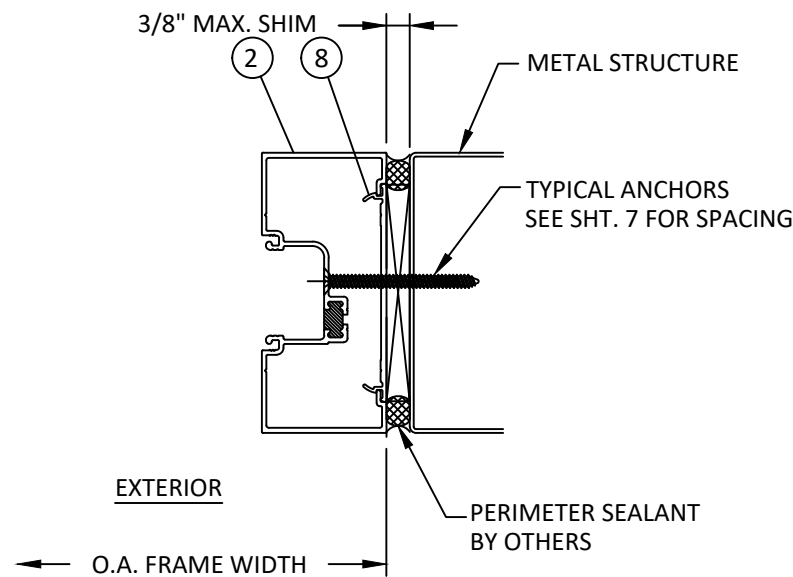
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10 HORIZONTAL SECTION
VERTICAL MULLION
INSIDE/OUTSIDE GLAZED



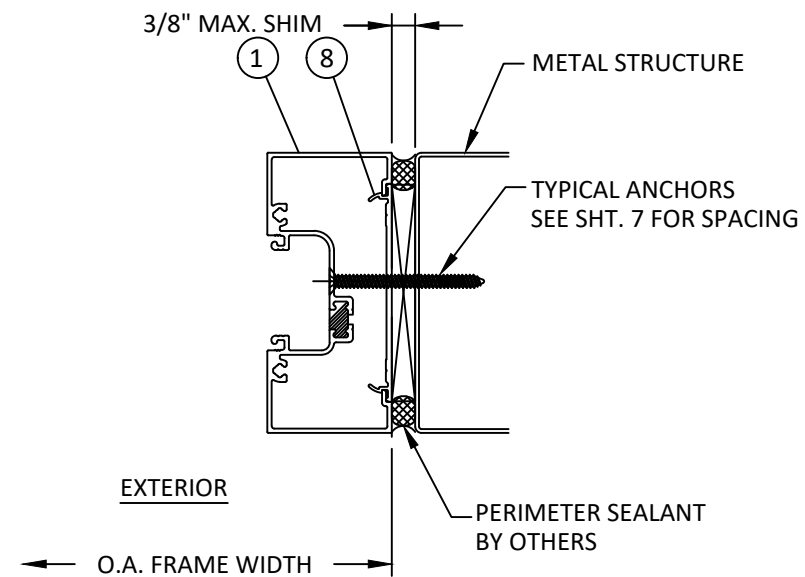
M
10 HORIZONTAL SECTION
JAMB - INSIDE/OUTSIDE GLAZED



L1
10 HORIZONTAL SECTION
VERTICAL MULLION
INSIDE/OUTSIDE GLAZED



N
10 HORIZONTAL SECTION
JAMB - METAL STRUCTURE
INSIDE/OUTSIDE GLAZED



O
10 HORIZONTAL SECTION
JAMB - METAL STRUCTURE
INSIDE/OUTSIDE GLAZED



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

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ALUMINUM STOREFRONT SYSTEM
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HORIZONTAL SECTIONS

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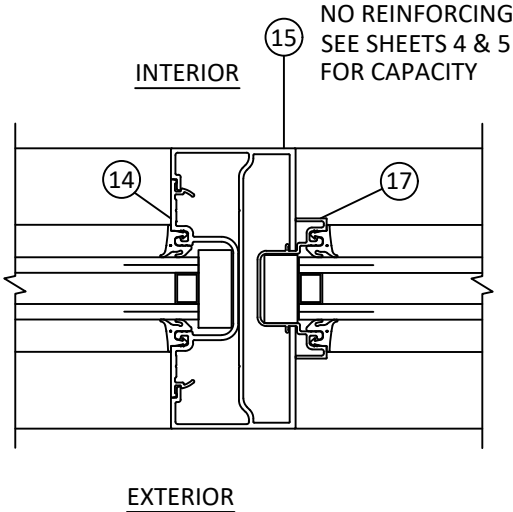
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SCALE: **NTS**

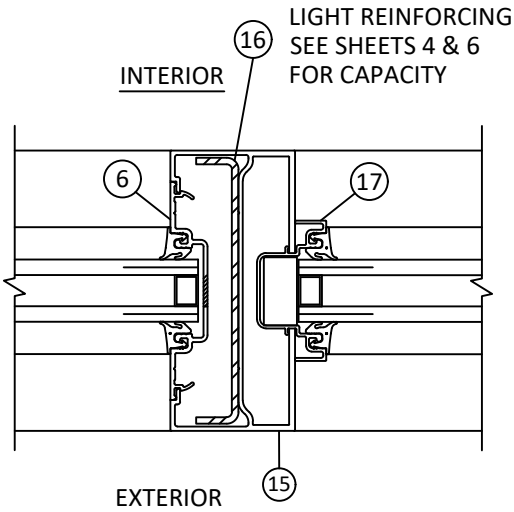
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SHEET: **10** REV. **C**

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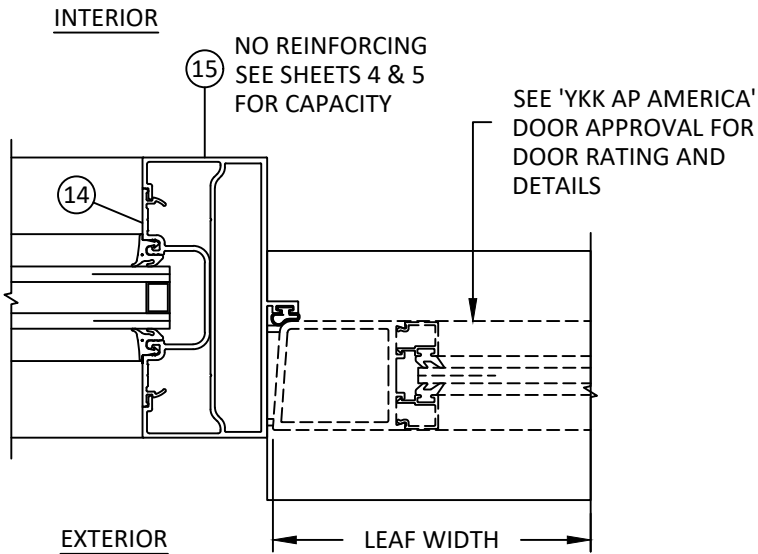


P11 HORIZONTAL SECTION
VERTICAL INTERMEDIATE
NO REINFORCEMENT

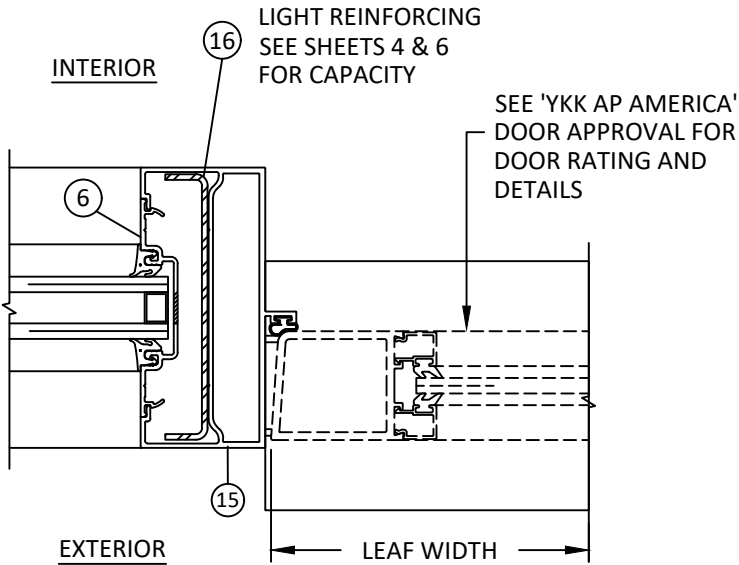


Q11 HORIZONTAL SECTION
VERTICAL INTERMEDIATE
LIGHT REINFORCEMENT

NOTE: WHERE REINFORCEMENT (ITEM #16) IS USED ADJACENT TO DOOR OPENING, USE SHALLOW POCKET FILLER (ITEM #14A). AT OPPOSITE SIDE OF DLO, USE OF THE DEEP POCKET FILLER (ITEM #14) OR MULLION (ITEM #2) IS REQUIRED.



R11 HORIZONTAL SECTION
VERTICAL INTERMEDIATE
NO REINFORCEMENT



S11 HORIZONTAL SECTION
VERTICAL INTERMEDIATE
LIGHT REINFORCEMENT



Quality
inspires™

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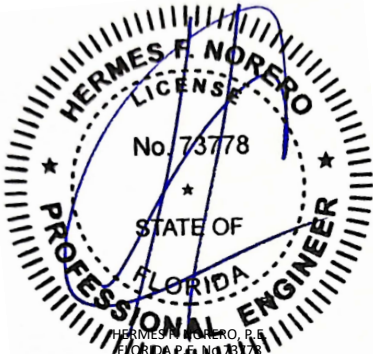
TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
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HERMES F. NORERO, P.E.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL12926

DATE: **05.15.18**

DWG. BY:
HE

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK218**

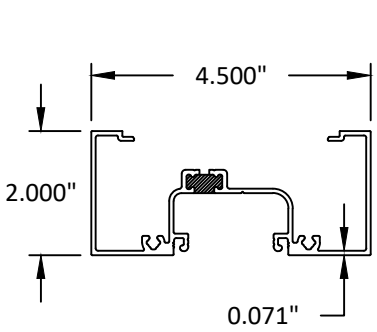
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REV.
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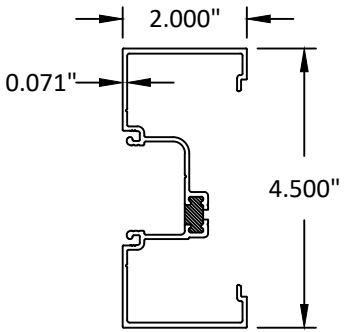
OF 12

7/24/2026 10:12 AM

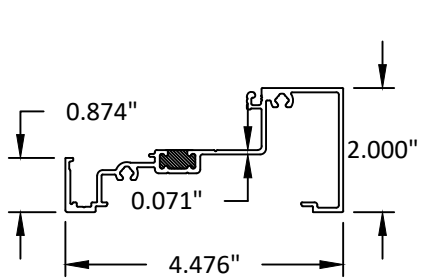
BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	BE9-2553	HEAD (O.G.) / SILL (I.G.)	6063-T5	YKK AP AMERICA
2	BE9-2551	MULLION JAMB	6063-T5	YKK AP AMERICA
3	BE9-2579	SILL (I.G. / O.G.) / HEAD (I.G.)	6063-T5	YKK AP AMERICA
4	BE9-2556	HORIZONTAL	6063-T5	YKK AP AMERICA
5	BE9-2578	SILL FLASHING	6063-T5	YKK AP AMERICA
6	BE9-2552	SHALLOW POCKET FILLER (SLOTTED)	6063-T5	YKK AP AMERICA
7	E9-1015	GLAZING STOP	6063-T5	YKK AP AMERICA
8	E1-1054	SNAP IN COVER/2 1/2" LONG	6063-T5	YKK AP AMERICA
9	E2-0052	GLAZING GASKET	EPDM	-
10	E2-0020	SETTING BLOCK	EPDM	-
11	E2-0611	SETTING BLOCK	EPDM	-
12	PC-1220	ASSEMBLY SCREW (#12 X 1-1/4" PPH SMS TYPE AB)	ZINC PLATED STEEL	-
13	PM-1008-SS	# 10 X 1/2" PHMS	STAINLESS STEEL	-
14	E9-1019	DEEP POCKET FILLER	6063-T5	YKK AP AMERICA
15	E9-0411	DOOR JAMB	6063-T5	YKK AP AMERICA
16	E1-0194	REINFORCING CHANNEL (Fy=38 KSI)	STEEL	YKK AP AMERICA
17	E9-0435	TRANSOM GLAZING POCKET	6063-T5	YKK AP AMERICA
18	E2-0051	AIRTIGHT GASKET	SANTOPRENE	-
19	E2-0056	SETTING BLOCK	EPDM	-
20	E9-0413	TRANSOM GLAZING STOP	6063-T5	YKK AP AMERICA
21	E9-0412	SINGLE ACTING TRANSOM BAR	6063-T5	YKK AP AMERICA



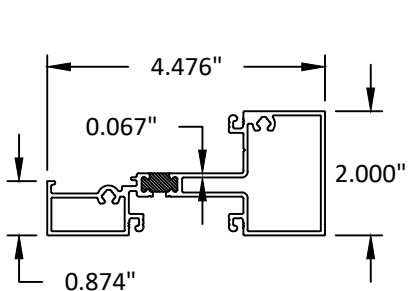
1 HEAD (O.G.)
SILL (I.G.)



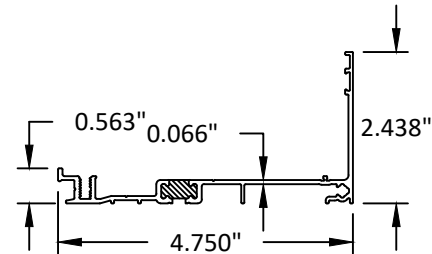
2 MULLION JAMB



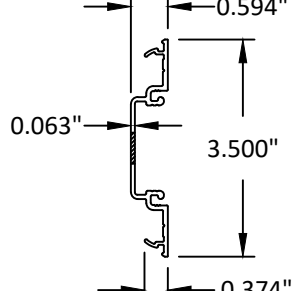
3 SILL (I.G. / O.G.)
HEAD (I.G.)



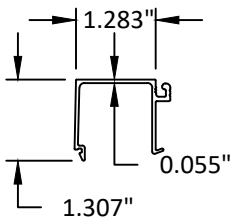
4 HORIZONTAL



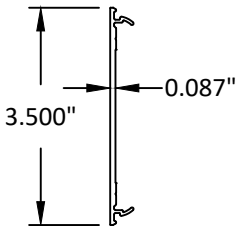
5 SILL FLASHING



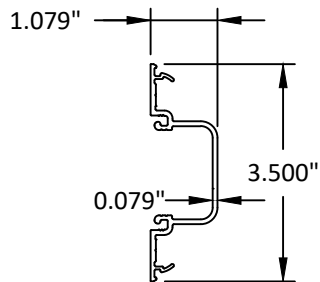
6 SHALLOW POCKET FILLER
(SLOTTED)



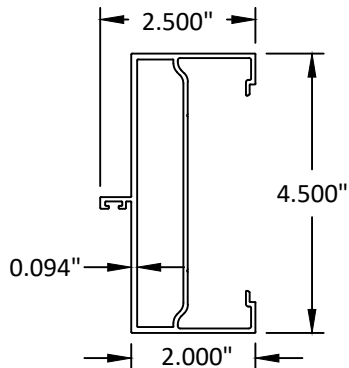
7 GLAZING STOP



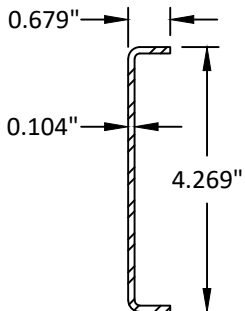
8 SNAP IN COVER



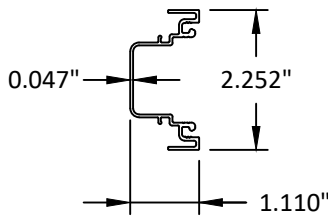
14 DEEP POCKET FILLER



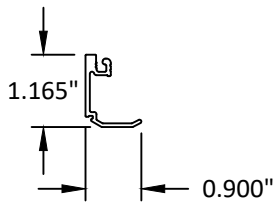
15 DOOR JAMB



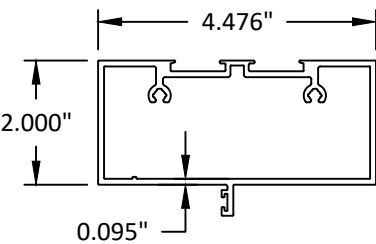
16 DOOR MULLION
REINFORCING CHANNELS



17 TRANSOM GLAZING POCKET



20 TRANSOM GLAZING STOP



21 SINGLE ACTING TRANSOM BAR



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

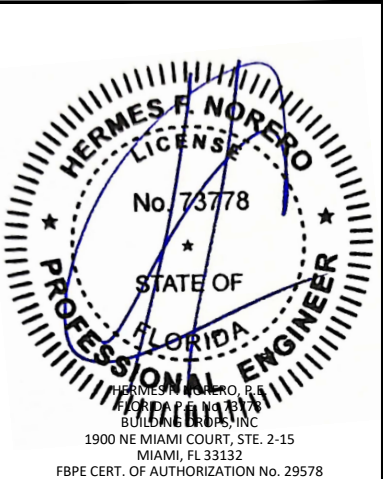
TITLE: YES 45 TU - CENTER SET
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
COMPONENTS & BILL OF MATERIALS

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



REMARKS	BY	DATE
VALIDATOR'S COMM.	AR	10.12.17
2023 FBC CODE UPDATE	MS	04.21.23
2026 FBC CODE UPDATE	SH	07.06.26

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 #:

FL12926

DATE: 05.15.18

DWG. BY: HE
CHK. BY: HFN

SCALE: NTS

DWG. #: YKK218

SHEET:

12
REV. C

OF 12

c:\users\sebastianherrerros\desktop\Ykk 2026 ca\112926\Ykk218.dwg