

YKK AP America Inc.

YES 45 FI ALUMINUM 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.
- 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 501-15
 - ASTM E283-19
 - ASTM E330-14
 - ASTM E331-00(16)
- 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, AND 5, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 6 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.



YKK AP AMERICA
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

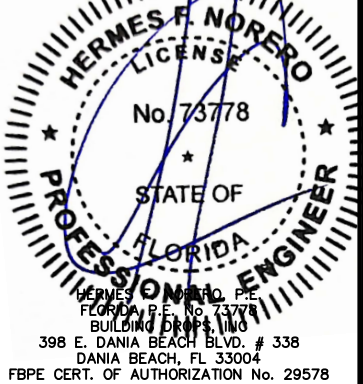
TITLE:
YES 45 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
A-VALIDATOR'S COMM.	AR	10.12.17
B-2023 FBC CODE UPDATE	MS	04.21.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.02 10:54:11 -0400



FL #:
FL12926

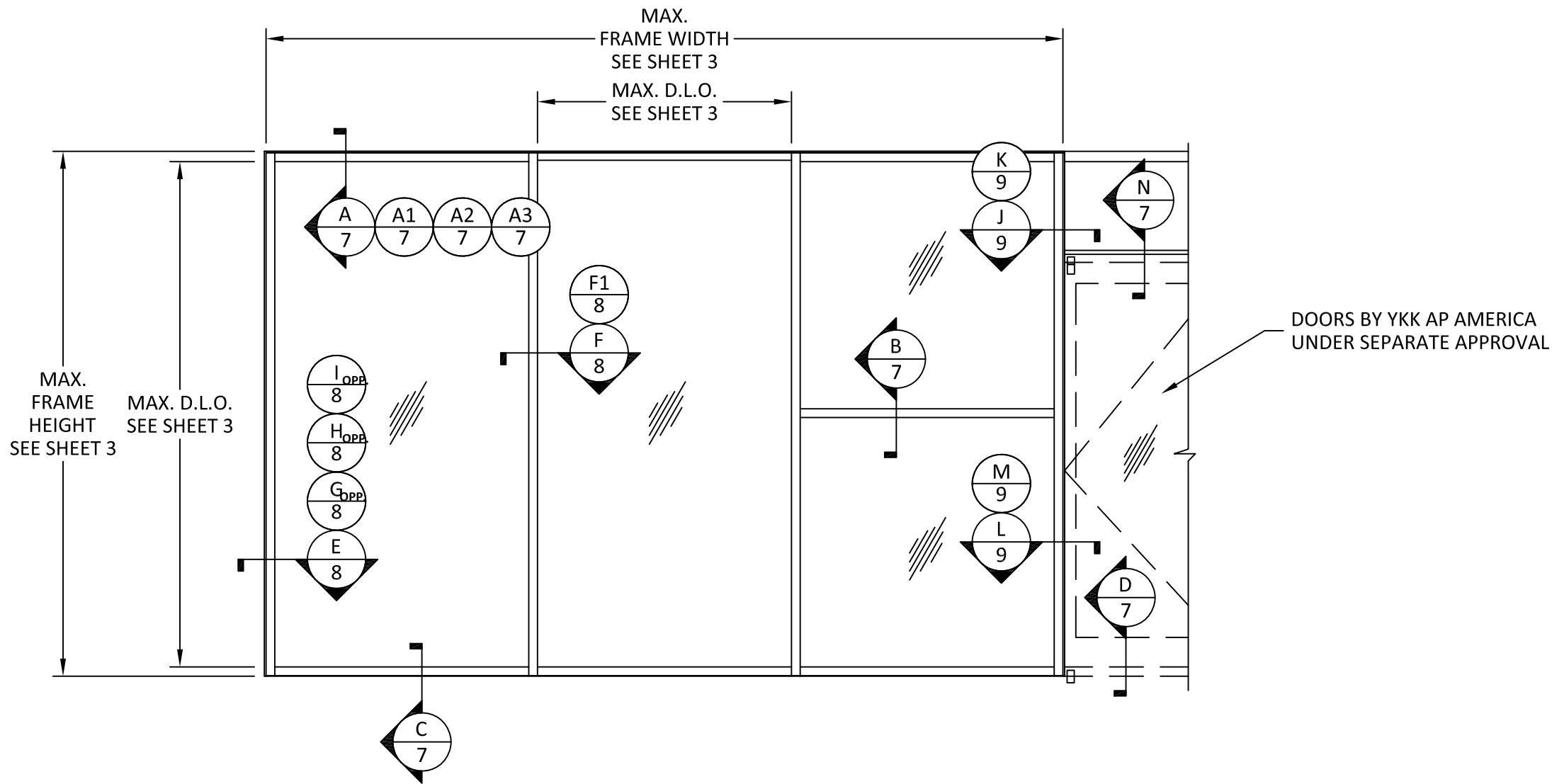
DATE: **08.10.17**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK216**

SHEET:
1
OF 10



ELEVATION
TYPICAL YES 45 FI STOREFRONT



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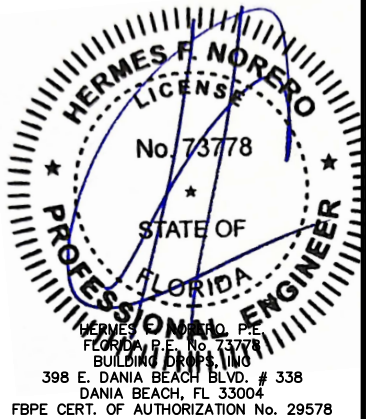
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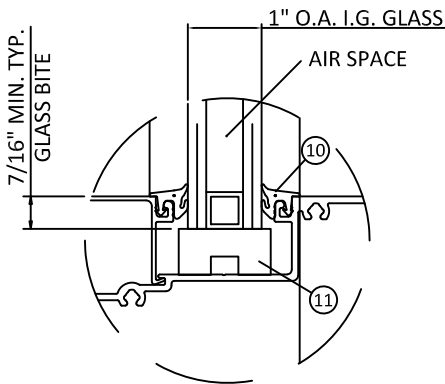


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SHEET:	2

GLASS LOAD TABLE

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	66	32.9
48		28.8
54		25.6
60		23.0
66		20.9
70		22.2
24	72	53.7
30		45.3
36		38.3
42		32.9
48		28.8
54		25.6
60	78	23.0
66		20.9
24		52.9
30		44.4
36		38.3
42	78	32.9
48		28.8
69		25.6
60		23.0
61		22.6
24	84	52.2
30		43.6
36		38.0
42		32.9
48		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



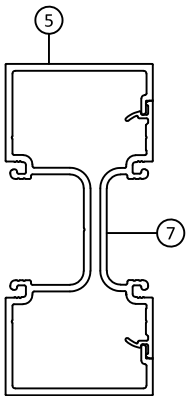
GLAZING DETAIL

- 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.

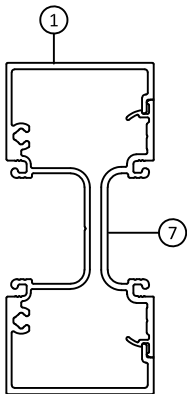
ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS

PRIMARY SEALANT:
POLYISOBUTYLENE (PIB)

SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.



STANDARD MULLION
M1



STANDARD MULLION
M2

MULLION LOAD TABLE

MULLION DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		DESIGN PRESSURE
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
24	60	56.0
30		56.0
36		56.0
42		56.0
48		54.0
54		48.0
60	66	43.2
66		39.3
72		36.0
24		56.0
30		56.0
36		56.0
42	66	56.0
48		49.1
54		43.6
60		39.3
66		35.7
72		32.7
24	72	56.0
30		56.0
36		56.0
42		51.4
48		45.0
54		40.0
60	78	36.0
66		32.7
72		30.0
24		56.0
30		56.0
36		55.4
42	78	47.5
48		41.5
54		36.9
60		33.2
66		30.2
24	84	56.0
30		56.0
36		51.4
42		44.1
48		38.6
54		34.3
60		30.9

MULLION DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		DESIGN PRESSURE
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
24	90	56.0
30		56.0
36		48.0
42		41.1
48		36.0
54		32.0
24	96	56.0
30		54.0
36		45.0
42		38.6
48		33.8
54		30.0
24	102	56.0
30		50.8
36		42.4
42		36.3
48		31.8
24	108	56.0
30		48.0
36		40.0
42		34.3
48		30.0
24	114	51.0
30		40.8
36		34.0
42		29.2
24	120	43.7
30		35.0
36		29.2
42		25.0



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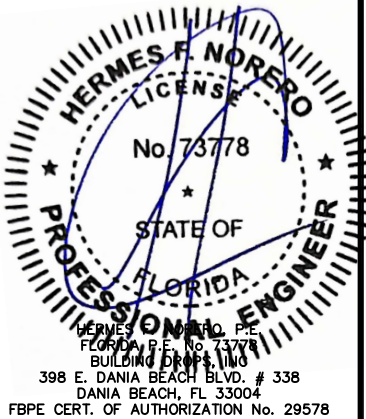
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GLASS AND MULLION LOAD TABLE &
GLAZING DETAIL

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DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

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SHEET:

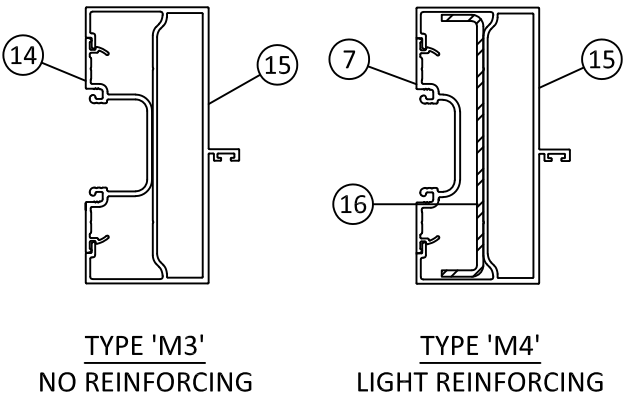
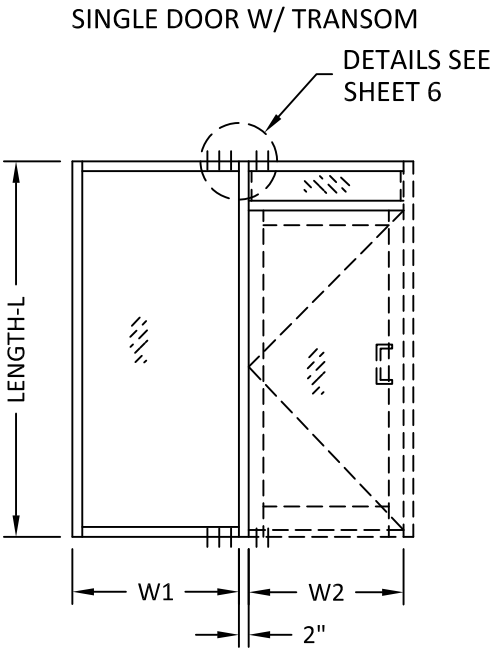
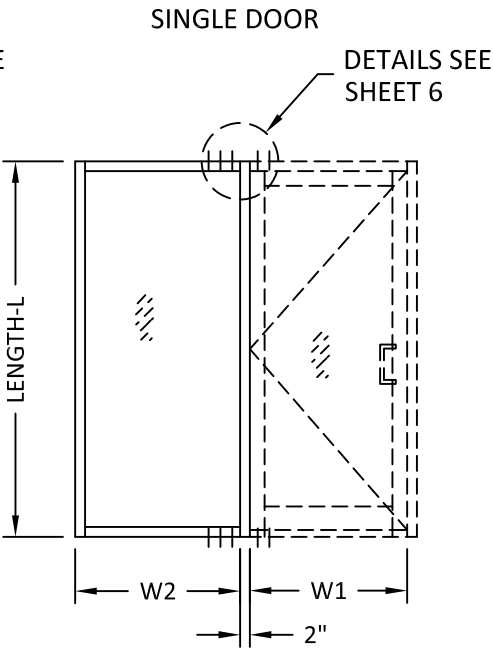
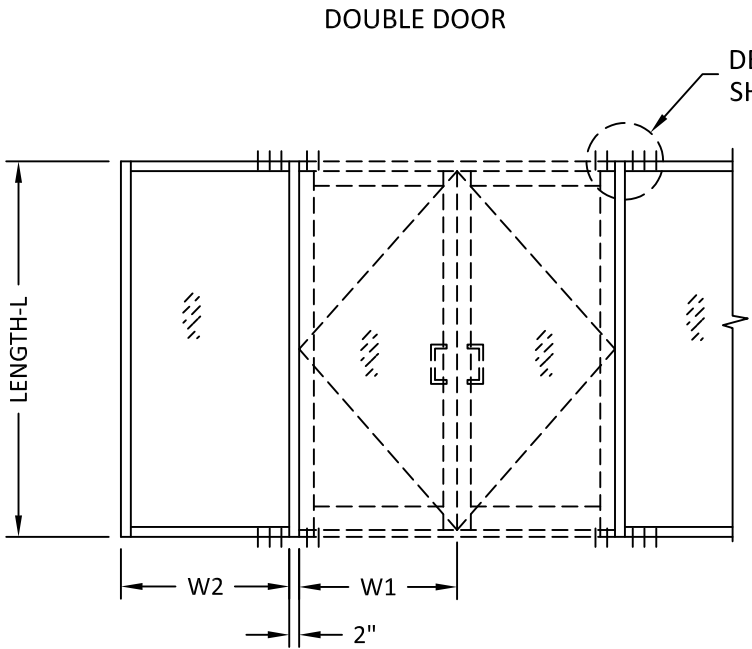
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DOOR MULLION LOAD TABLE

DOOR MULLION LOAD CAPACITY			
NOMINAL DIMS.		TYPE 'M3'	TYPE 'M4'
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 SHEET 6 FOR DETAIL.



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DOOR MULLION LOAD TABLE

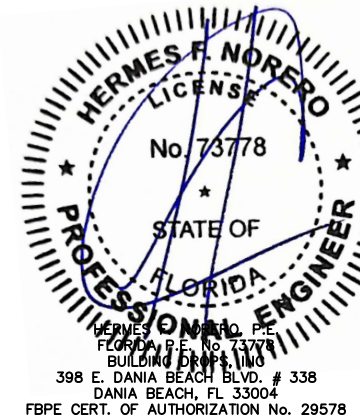
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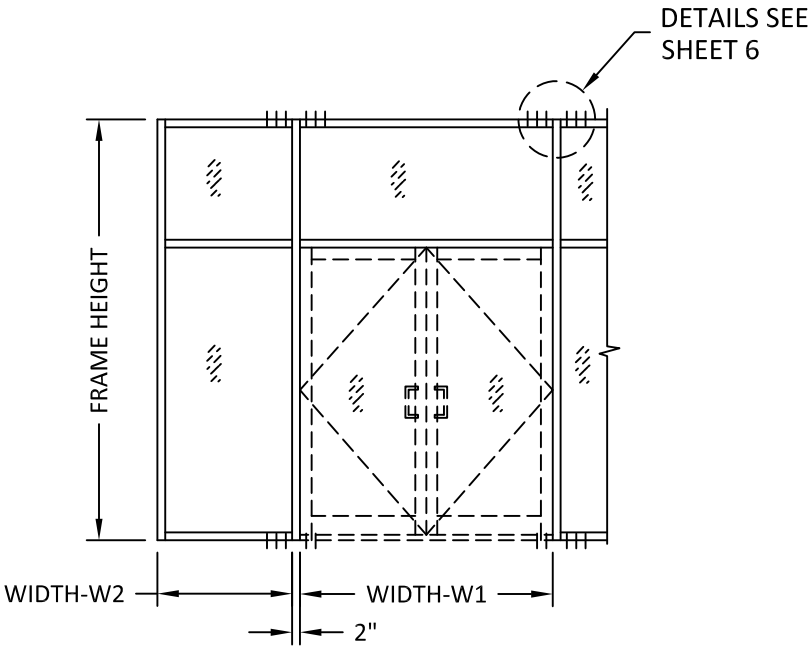
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DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK216
SHEET:	4

DOOR MULLION LOAD TABLE

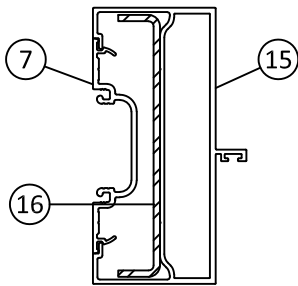
LIGHT REINFORCING

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
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
	42		37.0
	48		35.1
84	30		37.0
	36		35.1
60	30	120	42.3
	36		39.6
	42		37.3
	48		35.2
66	30		39.6
	36		37.3
	42		35.2
	48		33.4
72	30		37.3
	36		35.2
84	42		33.4
	30		33.4



DOUBLE DOOR W/ TRANSOM



TYPE 'M4'
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 SHEET 6 FOR DETAIL.



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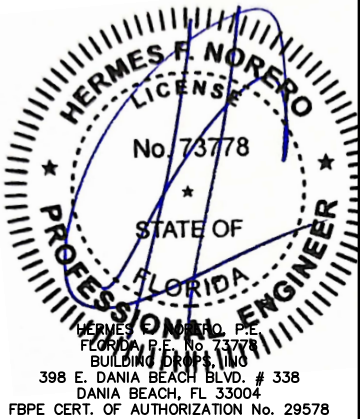
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SCALE: **NTS**

DWG. #: **YKK216**

SHEET:
5

ANCHOR LOAD TABLE

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)			
NOMINAL DIMS.		ANCHORS	ANCHORS
WIDTH (W)	FRAME HEIGHT	TYPE 'A'	TYPE 'B'
24.0	60.0	90.6	108.0
30.0		72.5	108.0
36.0		60.4	96.1
42.0		51.8	82.4
48.0		45.3	72.1
54.0		40.3	64.1
60.0		36.3	57.7
66.0		33.0	52.4
72.0	66.0	30.2	48.1
24.0		82.4	108.0
30.0		65.9	104.9
36.0		54.9	87.4
42.0		47.1	74.9
48.0		41.2	65.5
54.0		36.6	58.3
60.0		33.0	52.4
66.0	72.0	30.0	47.7
72.0		27.5	43.7
24.0		75.5	108.0
30.0		60.4	96.1
36.0		50.3	80.1
42.0		43.2	68.7
48.0		37.8	60.1
54.0		33.6	53.4
60.0	78.0	30.2	48.1
66.0		27.5	43.7
72.0		25.2	40.1
24.0		69.7	108.0
30.0		55.8	88.7
36.0		46.5	73.9
42.0		39.8	63.4
48.0		34.9	55.5
54.0	84.0	31.0	49.3
60.0		27.9	44.4
66.0		25.4	40.3
24.0		64.7	103.0
30.0		51.8	82.4
36.0		43.2	68.7
42.0		37.0	58.9
48.0		32.4	51.5
54.0	60.0	28.8	45.8
60.0		25.9	41.2

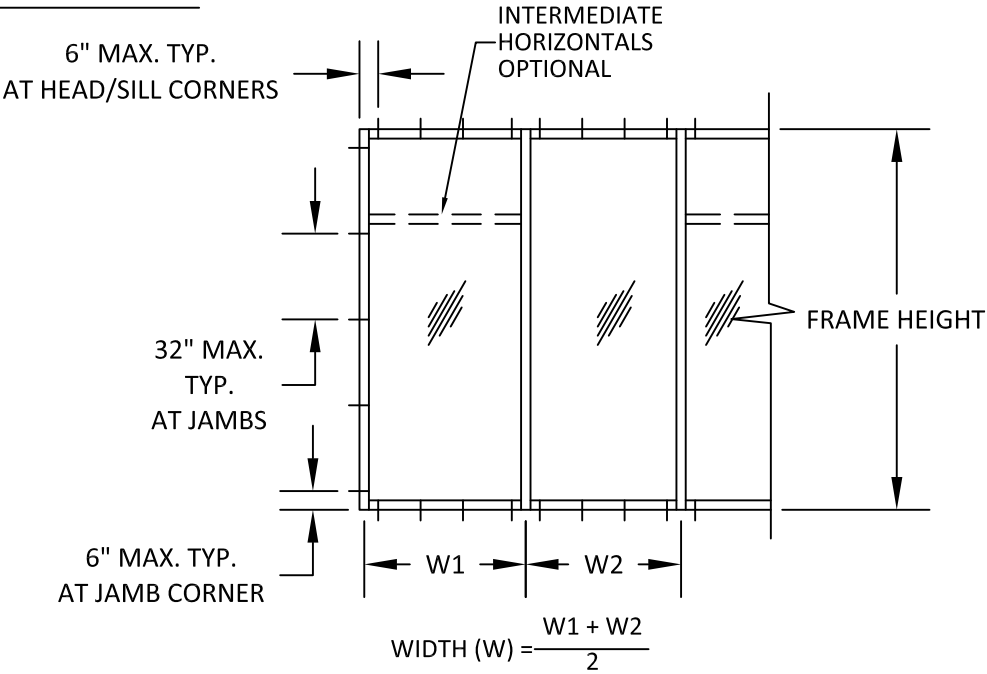
ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)			
NOMINAL DIMS.		ANCHORS	ANCHORS
WIDTH (W)	FRAME HEIGHT	TYPE 'A'	TYPE 'B'
24.0	90.0	60.4	96.1
30.0		48.3	76.9
36.0		40.3	64.1
42.0		34.5	54.9
48.0		30.2	48.1
54.0	96.0	26.9	42.7
24.0		56.6	90.1
30.0		45.3	72.1
36.0		37.8	60.1
42.0		32.4	51.5
48.0	102.0	28.3	45.1
54.0		25.2	40.1
24.0		53.3	84.8
30.0		42.6	67.9
36.0		35.5	56.5
42.0	108.0	30.5	48.5
48.0		26.7	42.4
24.0		50.3	80.1
30.0		40.3	64.1
36.0		33.6	53.4
42.0	114.0	28.8	45.8
48.0		25.2	40.1
24.0		47.7	75.9
30.0		38.2	60.7
36.0		31.8	50.6
42.0	120.0	27.3	43.4
24.0		45.3	72.1
30.0		36.3	57.7
36.0		30.2	48.1
42.0		25.9	41.2

TYPICAL ANCHORS

TYPE A

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

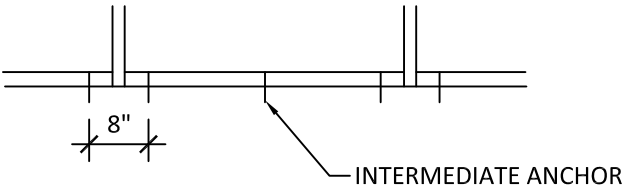
1/4" DIA. TAPCON BY ITW' (Fu= 125 KSI, Fy= 100 KSI)
1/4" DIA. ULTRACON+ BY DEWALT' (Fu= 177 KSI, Fy= 155 KSI)
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
DIRECTLY INTO CONC. OR MASONRY
1-3/4" MIN. EMBED INTO CONC. OR MASONRY



HEAD/SILL ANCHORS SPACING:

OPTION #1 (SHOWN ABOVE):
ANCHORS AT 16" O.C. MAX.

OPTION #2 (SHOWN BELOW):
ONE ANCHOR AT EACH SIDE OF MULLION
(1) INTERMEDIATE ANCHOR REQD. AT HEAD AND SILL
ONLY WHEN SPACING IN BETWEEN MULLIONS EXCEEDS 48 INCHES.



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



YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YES 45 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
ANCHOR LOAD TABLE & ANCHOR LAYOUT

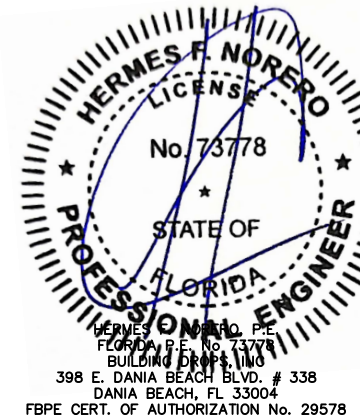
PREPARED BY:
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
A-VALIDATOR'S COMM.	AR	10.12.17
B-2023 FBC CODE UPDATE	MS	04.21.23

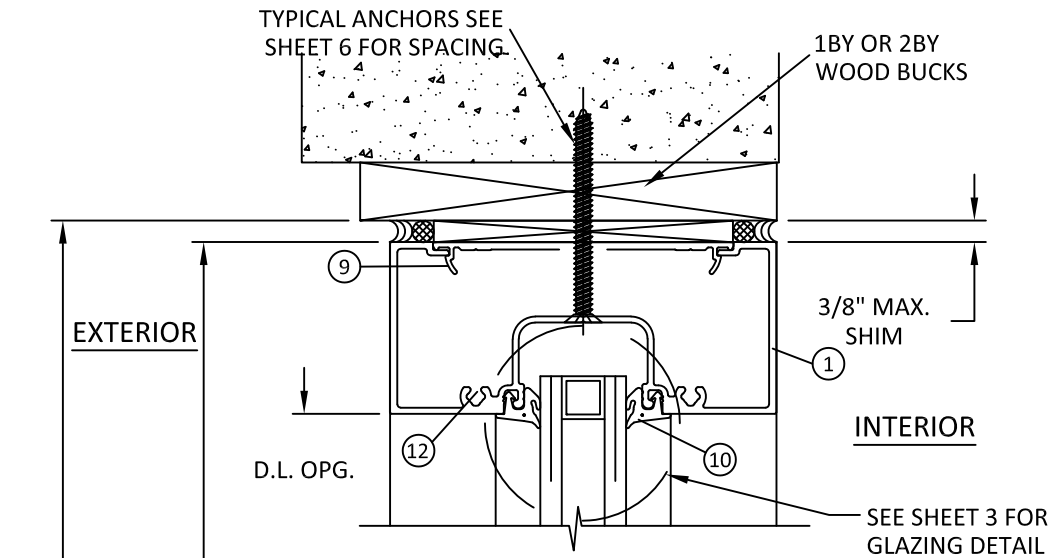
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
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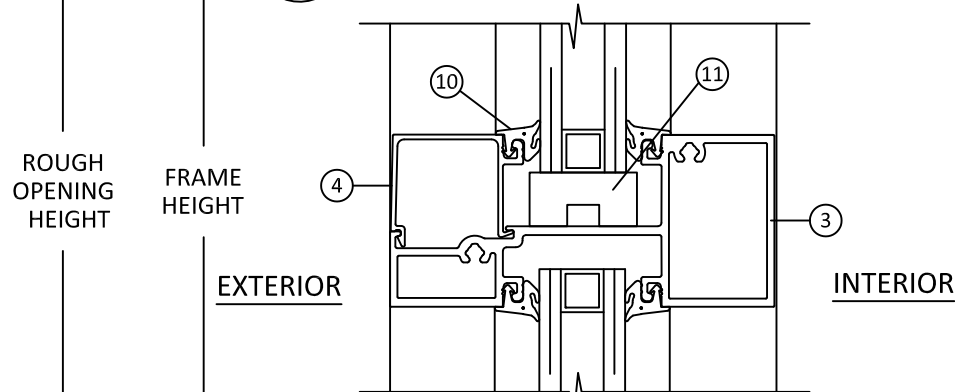
FL #:	FL12926
DATE:	08.10.17
DWG. BY: RV	CHK. BY: HFN
SCALE:	NTS
DWG. #:	YKK216
SHEET:	6

6/30/2023 10:38 AM

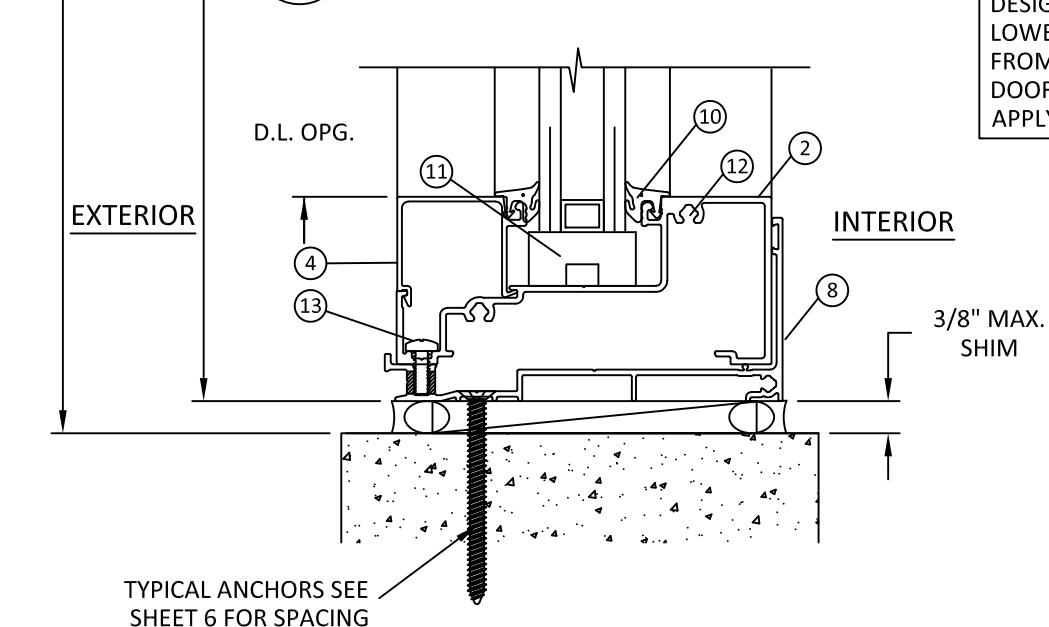
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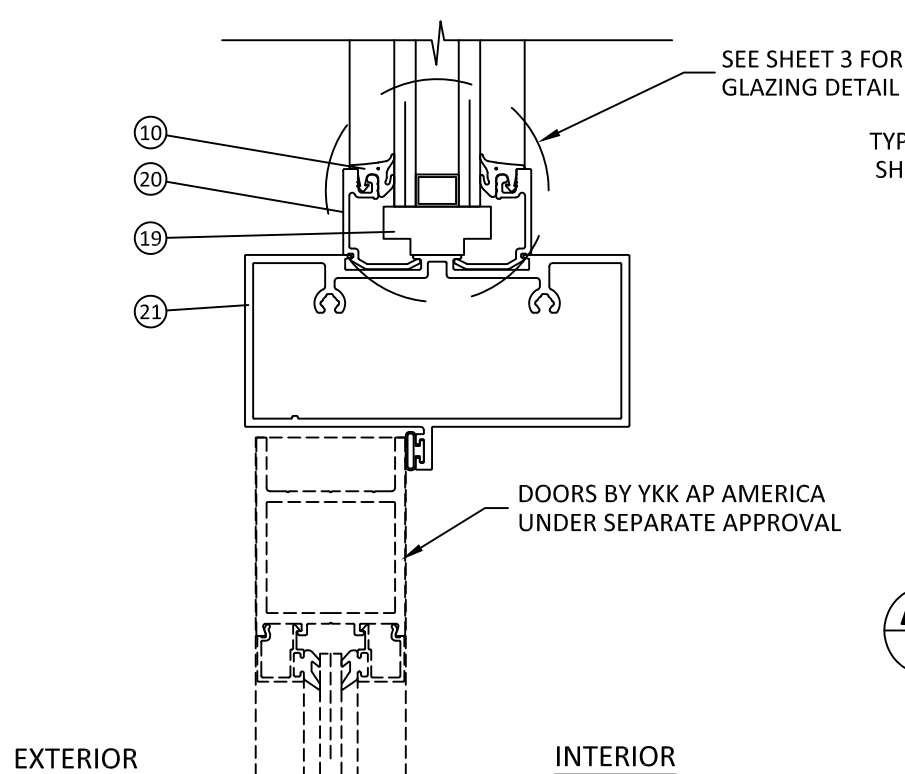
A-7 VERTICAL SECTION
HEAD



B-7 VERTICAL SECTION
HORIZONTAL INTERMEDIATE

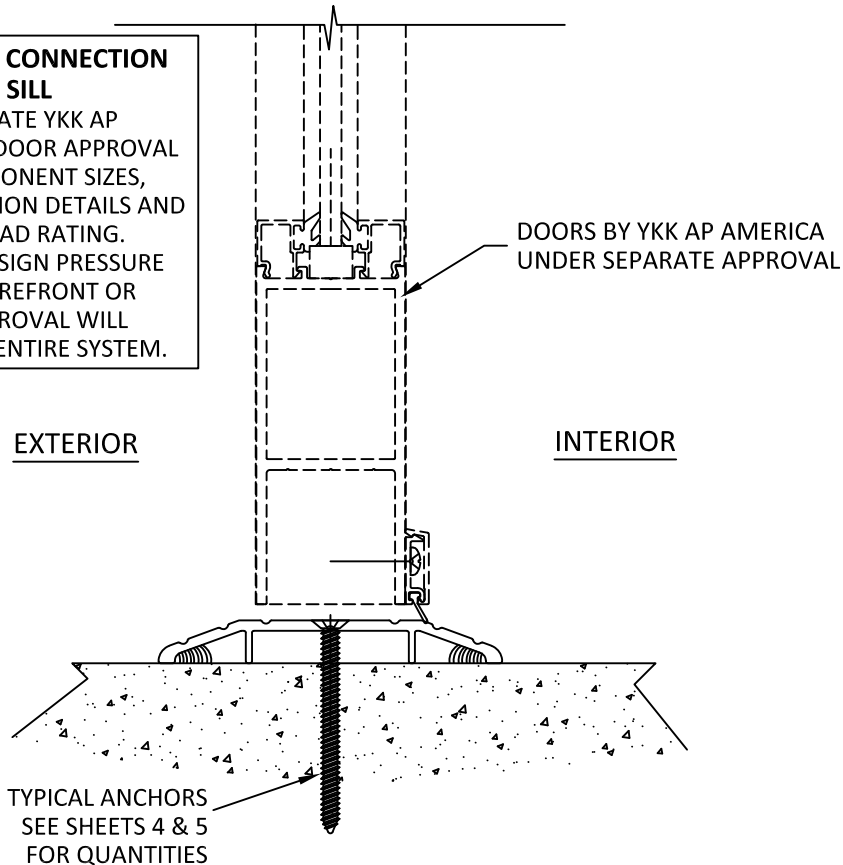


C-7 VERTICAL SECTION
SILL

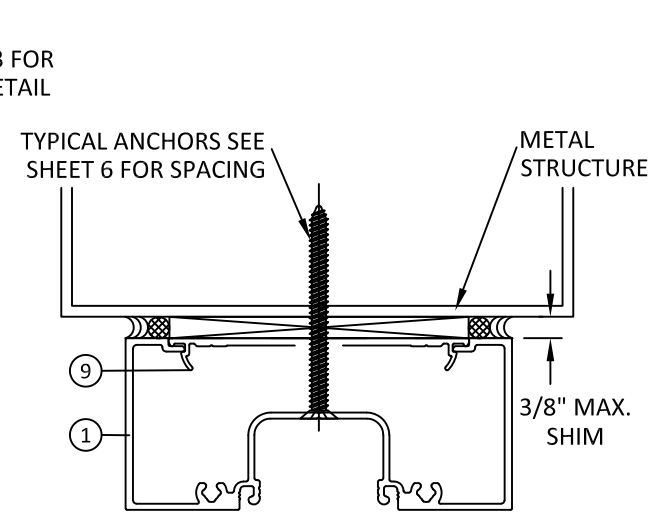


N-7 VERTICAL SECTION
DOOR HEAD W/ TRANSOM

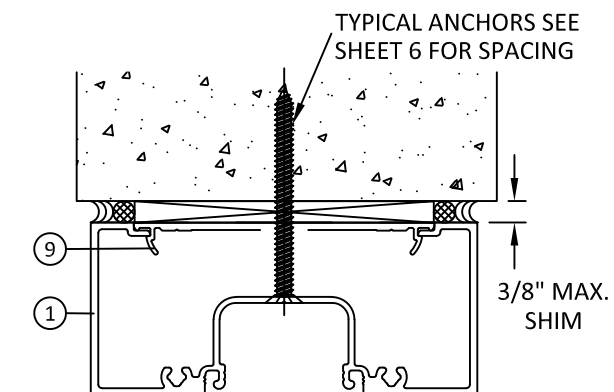
MULLION CONNECTION TO DOOR SILL
SEE SEPARATE YKK AP AMERICA DOOR APPROVAL FOR COMPONENT SIZES, INSTALLATION DETAILS AND DESIGN LOAD RATING. LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.



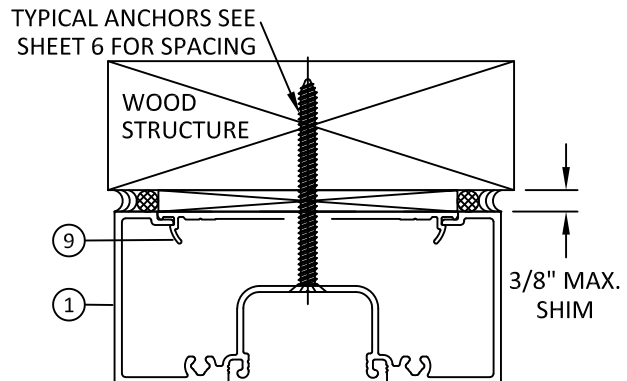
D-7 VERTICAL SECTION
DOOR SILL



A1-7 VERTICAL SECTION
HEAD



A2-7 VERTICAL SECTION
HEAD



A3-7 VERTICAL SECTION
HEAD



YKK AP AMERICA
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YES 45 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)

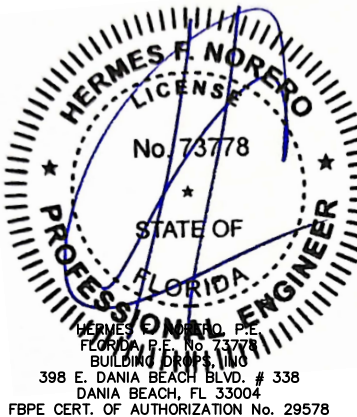
VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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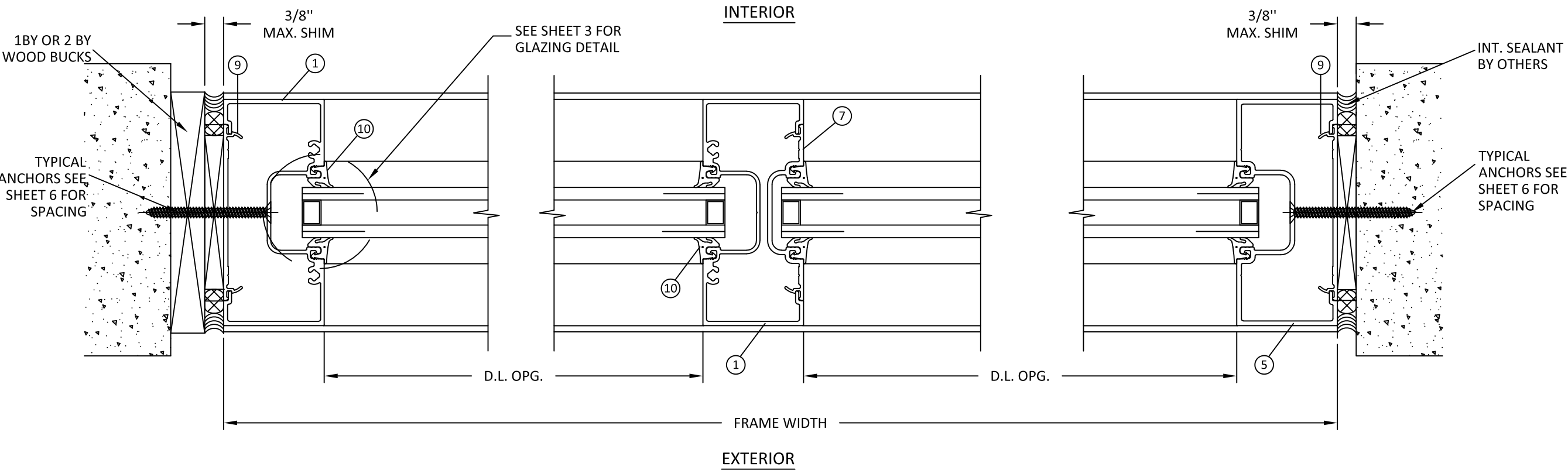
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DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK216
SHEET:	7

6/30/2023 10:39 AM

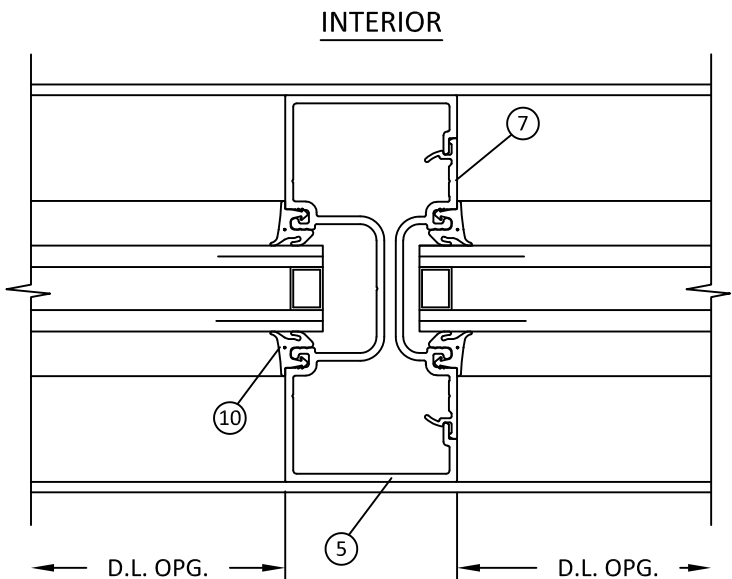
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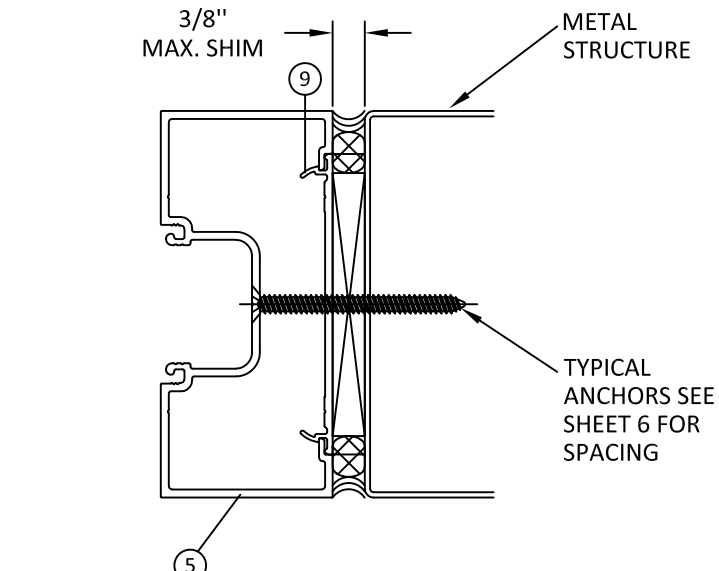
E
8 HORIZONTAL SECTION
JAMB

F
8 HORIZONTAL SECTION
INTERMEDIATE

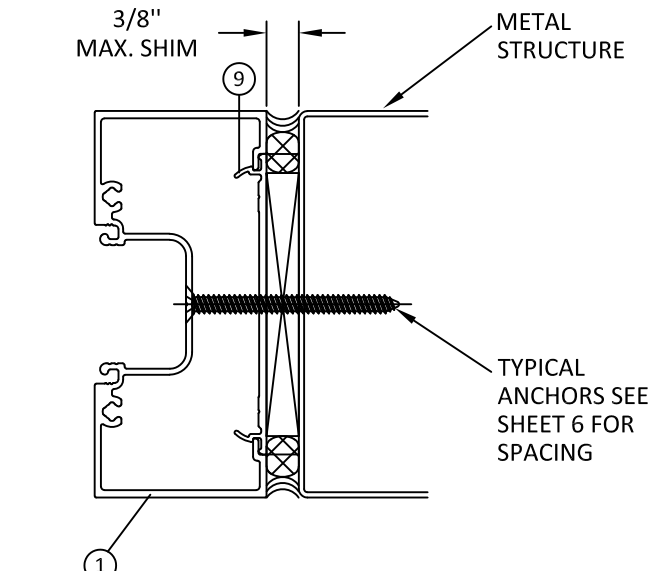
G
8 HORIZONTAL SECTION
JAMB



F1
8 HORIZONTAL SECTION
INTERMEDIATE



H
8 HORIZONTAL SECTION
JAMB



I
8 HORIZONTAL SECTION
JAMB/MULLION



YKK AP AMERICA
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

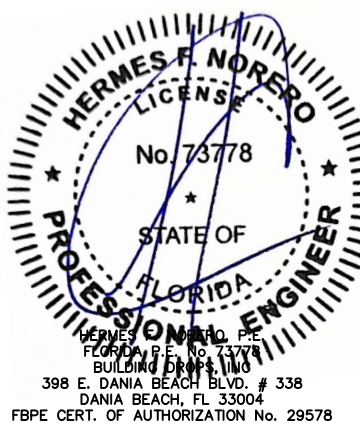
TITLE: YES 45 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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WEB: www.buildingdrops.com



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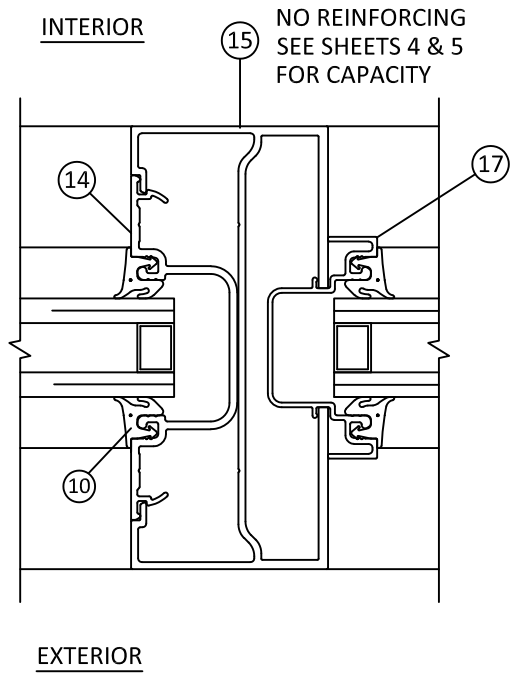
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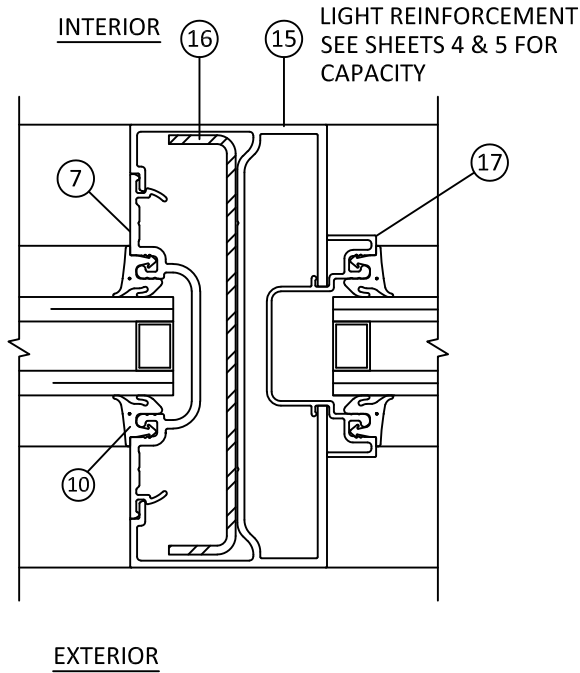
FL #:	FL12926
DATE:	08.10.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK216
SHEET:	8

6/30/2023 10:39 AM

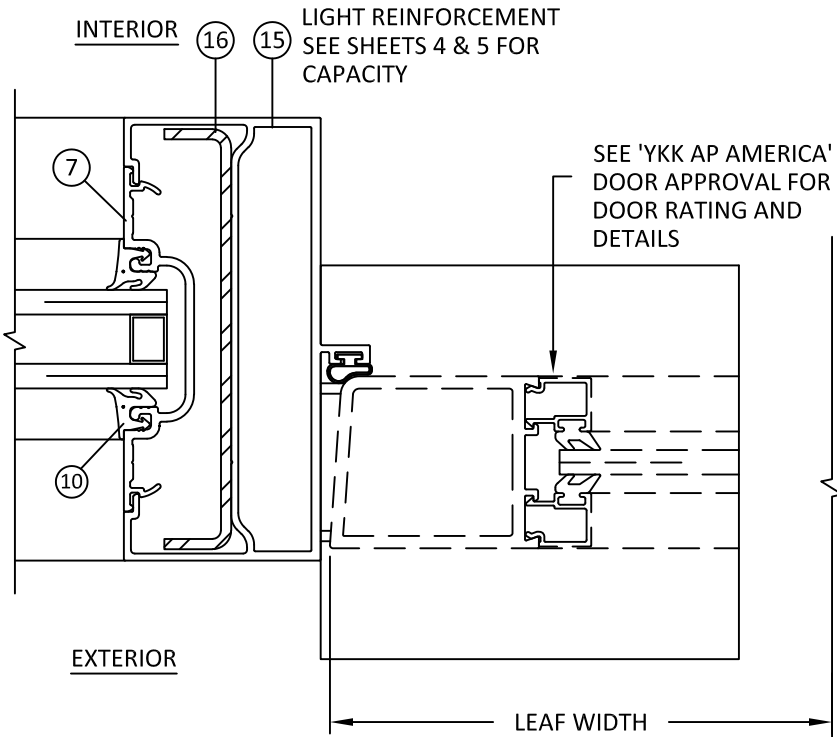
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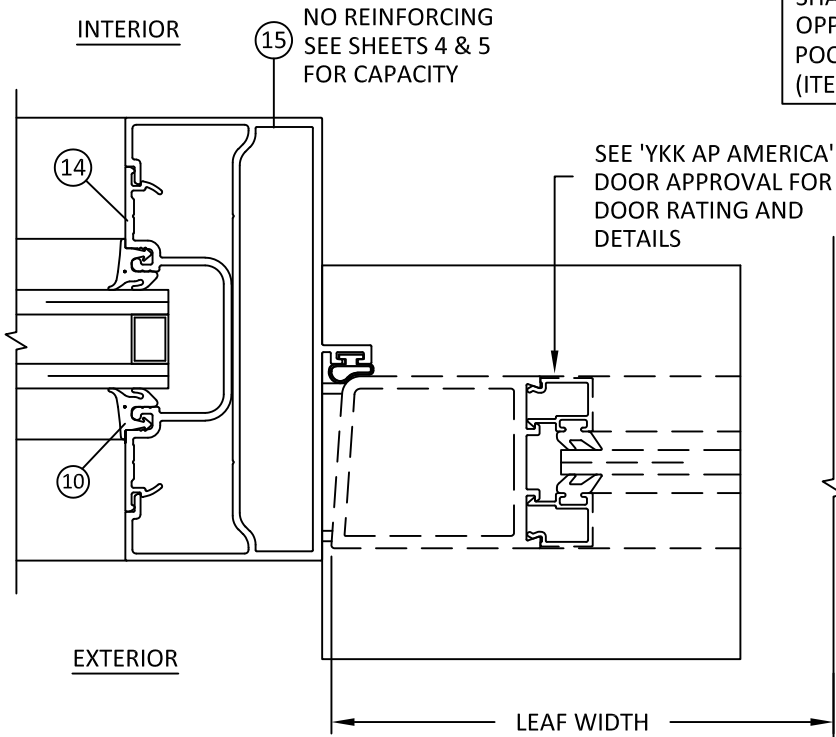
J
9 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE
NO REINFORCEMENT



K
9 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE
LIGHT REINFORCEMENT



L
9 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE
LIGHT REINFORCEMENT



M
9 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE
NO REINFORCEMENT

NOTE: WHERE REINFORCEMENT (ITEM #16) IS USED ADJACENT TO DOOR OPENING, USE SHALLOW POCKET FILLER (ITEM #7). AT OPPOSITE SIDE OF DLO, USE OF THE DEEP POCKET FILLER (ITEM #14) OR MULLION (ITEM #1 OR 5) IS REQUIRED.



YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YES 45 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
HORIZONTAL SECTIONS

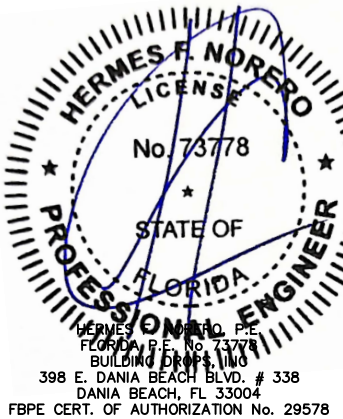
PREPARED BY:
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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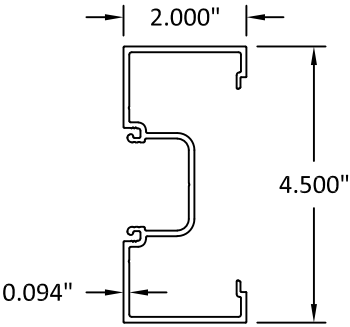


FL #:	FL12926
DATE:	08.10.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK216
SHEET:	9

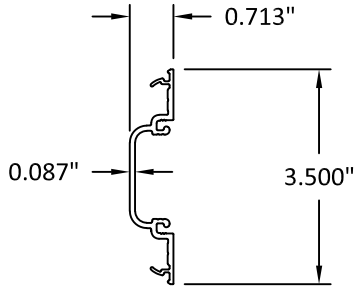
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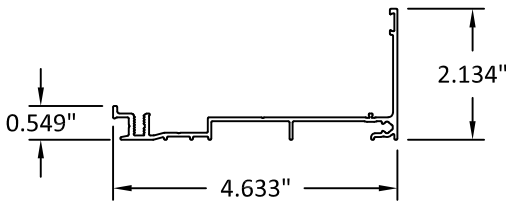
BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	E9-1013	HEAD/JAMB/ VERTICAL	6063-T5	YKK AP AMERICA
2	E9-1089	SILL HORIZONTAL	6063-T5	YKK AP AMERICA
3	E9-1016	HORIZONTAL	6063-T5	YKK AP AMERICA
4	E9-1015	GLASS STOP	6063-T5	YKK AP AMERICA
5	E9-1011	JAMB VERTICAL	6063-T5	YKK AP AMERICA
7	E9-1012	SHALLOW POCKET FILLER	6063-T5	YKK AP AMERICA
8	E9-1068	SILL FLASHING	6063-T5	YKK AP AMERICA
9	E1-1054	FLAT FILLER	6063-T5	YKK AP AMERICA
10	E2-0052	GLAZING GASKET	EPDM	YKK AP AMERICA
11	E2-0020	SETTING BLOCK	EPDM	-
12	PM-1220-SS	# 12 x 1-1/4" PHMS	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	.679 X 4.269 X .679 X .104"
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



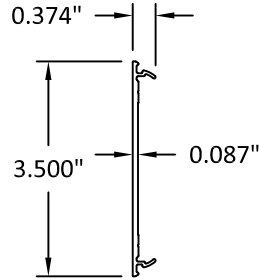
5 JAMB/ VERTICAL



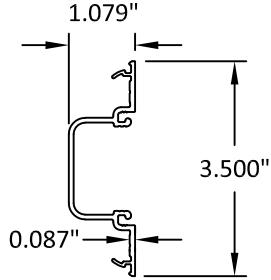
7 SHALLOW POCKET FILLER



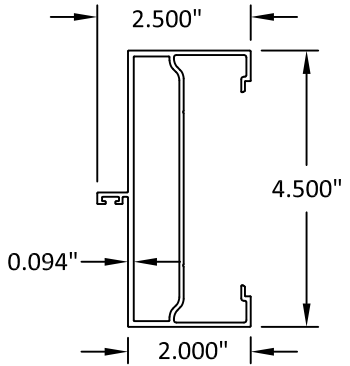
8 SILL FLASHING



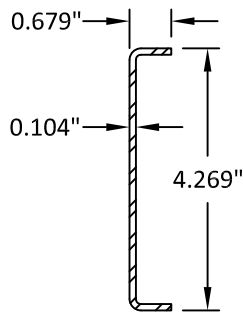
9 FLAT FILLER



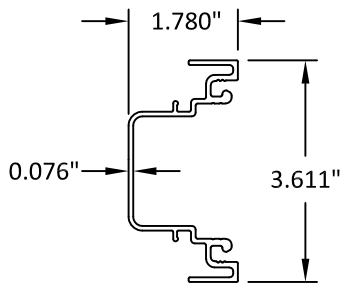
14 DEEP POCKET FILLER



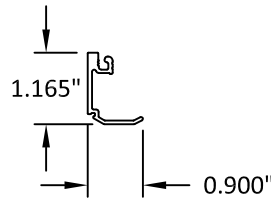
15 DOOR JAMB



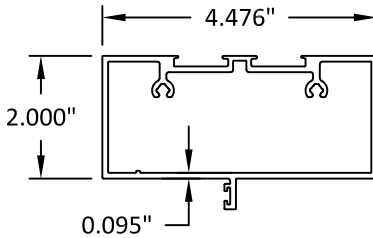
16 DOOR MULLION REINFORCING CHANNEL



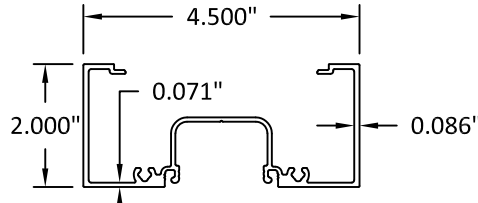
17 TRANSOM GLAZING POCKET



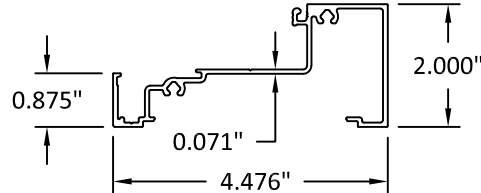
20 TRANSOM GLAZING STOP



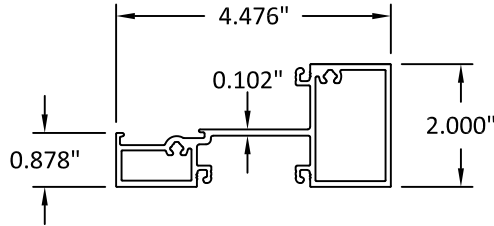
21 SINGLE ACTING TRANSOM BAR



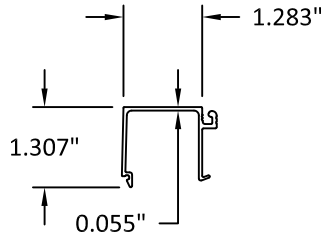
1 FRAME HEAD/ JAMB/ VERTICAL



2 SILL



3 HORIZONTAL



4 GLASS STOP



YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

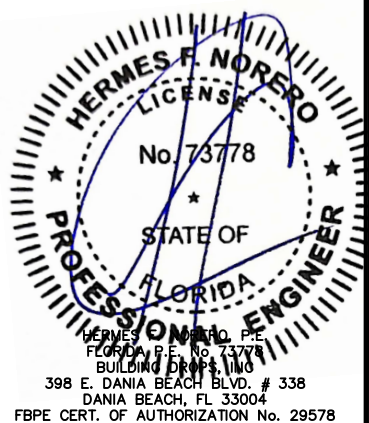
TITLE: YES 45 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
COMPONENTS & BILL OF MATERIALS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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