

YKK AP AMERICA INC.

YES 60 FI ALUMINUM STOREFRONT (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

- SEE SHEET 6 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENTS, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 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 E 330-14
 - ASTM E 331-00(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.
- CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHART ON SHEETS 4 & 5, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 7 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
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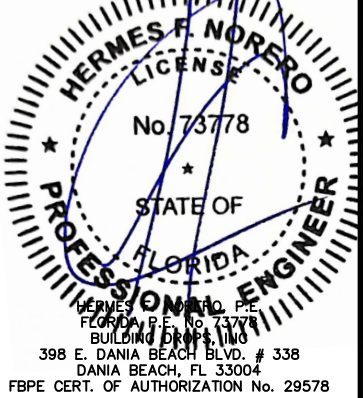
TITLE: YES 60 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE
A-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 13:11:15 -04'00'



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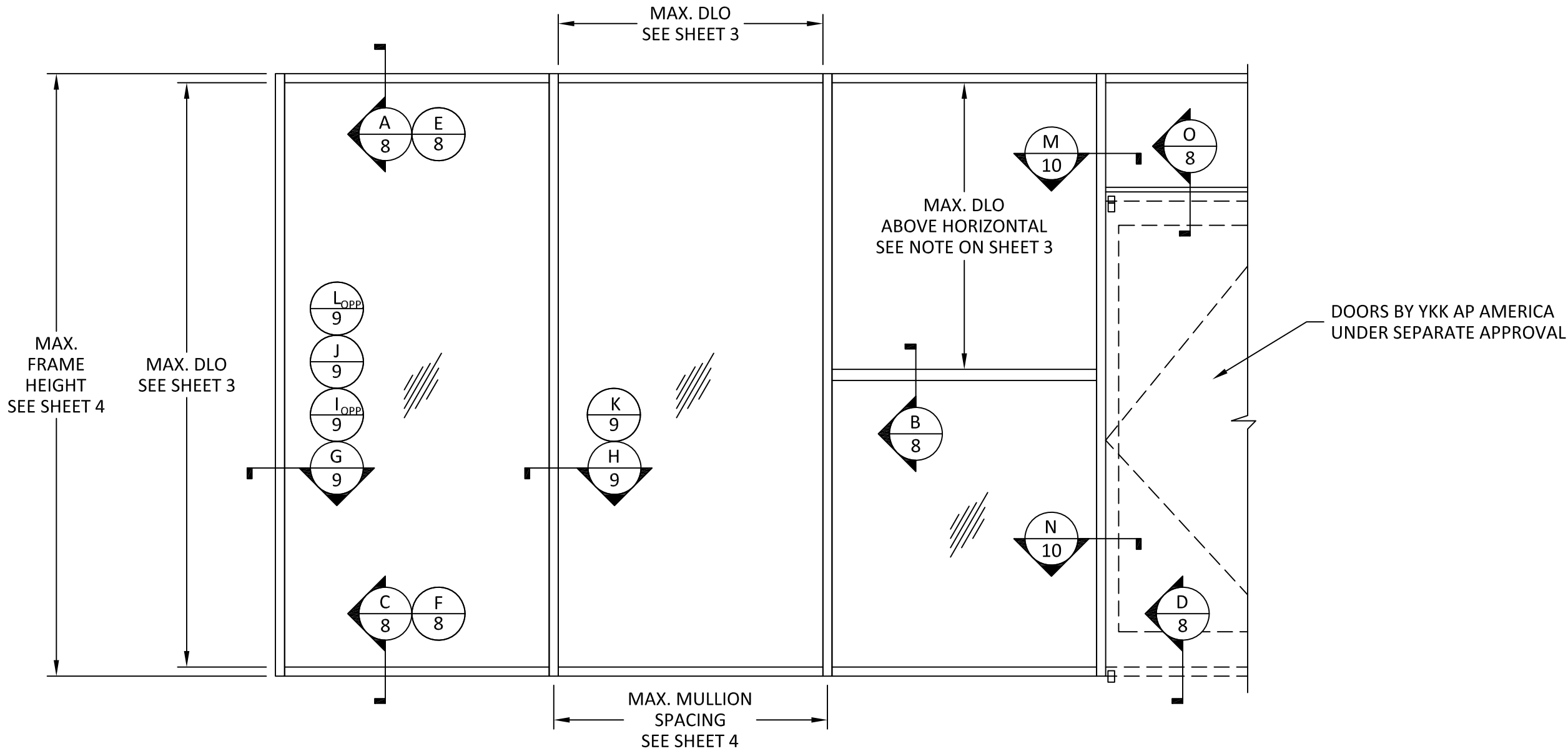
DATE: **04.11.17**

DWG. BY: **RL** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK197**

SHEET:
1
OF 11



ELEVATION
TYPICAL YES 60 FI STOREFRONT



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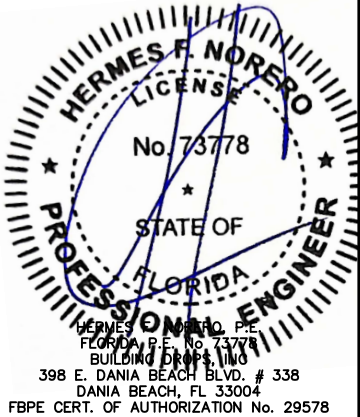
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ELEVATION

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SHEET:	

INSULATED GLASS LOAD CAPACITY (PSF)		
NOMINAL PANEL SIZE (in)		NON-IMPACT INSUL. GLASS
PANEL WIDTH (in)	PANEL HEIGHT (in)	EXT. (+) INT. (-)
30	16	36.7
36		28.8
42		23.8
48		20.2
54		17.6
60		15.5
66		13.9
72	22	12.6
30		42.5
36		32.3
42		26.1
48		21.8
54		18.8
60		16.5
66		14.7
72		13.2
30	28	50.5
36		36.7
42		28.8
48		23.8
54		20.2
60		17.6
66		15.5
72	34	13.9
30		48.2
36		42.5
42		32.3
48		26.1
54		21.8
60		18.8
66		16.5
72		14.7

INSULATED GLASS LOAD CAPACITY (PSF)		
NOMINAL PANEL SIZE (in)		NON-IMPACT INSUL. GLASS
PANEL WIDTH (in)	PANEL HEIGHT (in)	EXT. (+) INT. (-)
30	40	43.1
36		40.8
42		36.7
48		28.8
54		23.8
60		20.2
66		17.6
72	46	15.5
30		40.0
36		36.9
42		35.4
48		32.3
54		26.1
60		21.8
66		18.8
72	52	16.5
30		37.8
36		34.3
42		32.3
48		31.3
54		28.8
60		23.8
66	58	20.2
72		17.6
30		36.3
36		32.5
42		30.1
48		28.7
54		27.8
60		26.1
66		21.8
72		-

INSULATED GLASS LOAD CAPACITY (PSF)		
NOMINAL PANEL SIZE (in)		NON-IMPACT INSUL. GLASS
PANEL WIDTH (in)	PANEL HEIGHT (in)	EXT. (+) INT. (-)
30	64	35.2
36		31.2
42		28.6
48		26.9
54		25.9
60		25.0
66		-
72	66	-
30		34.8
36		30.8
42		28.2
48		26.4
54		25.3
60		-
66	68	-
72		-
30		34.5
36		30.5
42		27.8
48		26.0
54		24.8
60		-
66		-
72		-

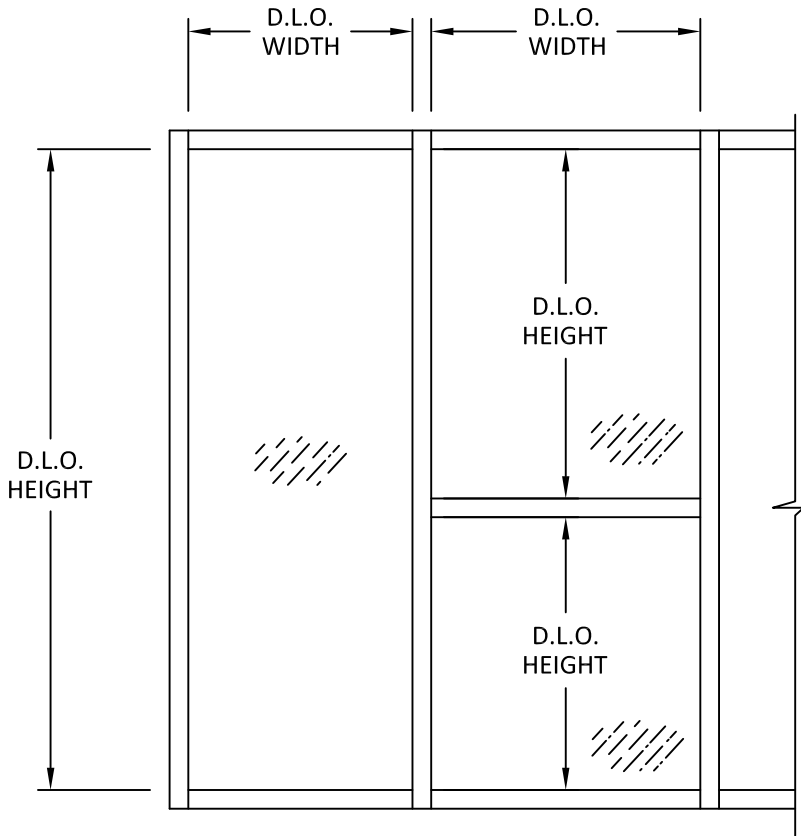
DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH
= NOMINAL PANEL WIDTH - 2.00"

DAYLITE OPENING HEIGHT
= FRAME HEIGHT - 4.4375"

MAX DAYLITE OPENING ABOVE
HORIZONTAL NOT TO EXCEED
58" x 62-25/32"

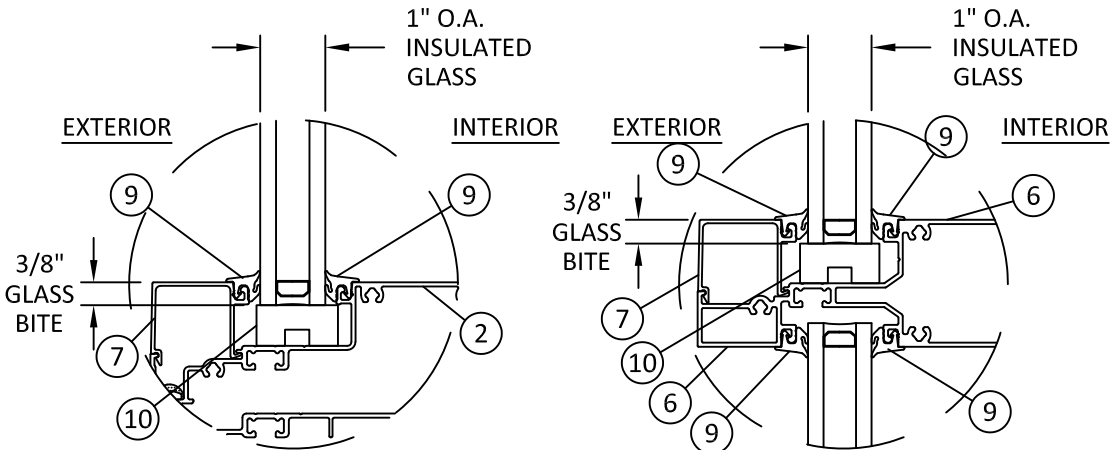
FRAME DIM. NOT SHOWN MAY BE
OBTAINED BY LINEAR INTERPOLATION OF
TABULATED VALUES. MAX AREA NOT TO
EXCEED = 3900.00 IN²

NOTE:
GLASS CAPACITIES ON THIS SHEET
ARE BASED ON CHAPTER 17 OF THE
FBC FOR SIZES OTHER THAN TESTED.



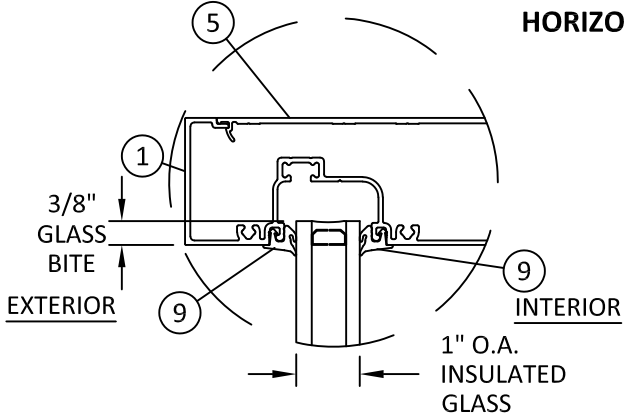
DRY GLAZED GLASS TYPES

NON IMPACT GLAZING



GLAZING DETAIL 1
TYPICAL AT SILL

GLAZING DETAIL 2
TYPICAL AT INTERMEDIATE
HORIZONTAL



GLAZING DETAIL 3
TYPICAL AT HEAD

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.



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GLAZING DETAILS &
DESIGN PRESSURE TABLE

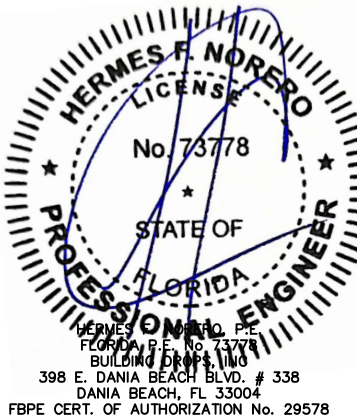
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SCALE: NTS

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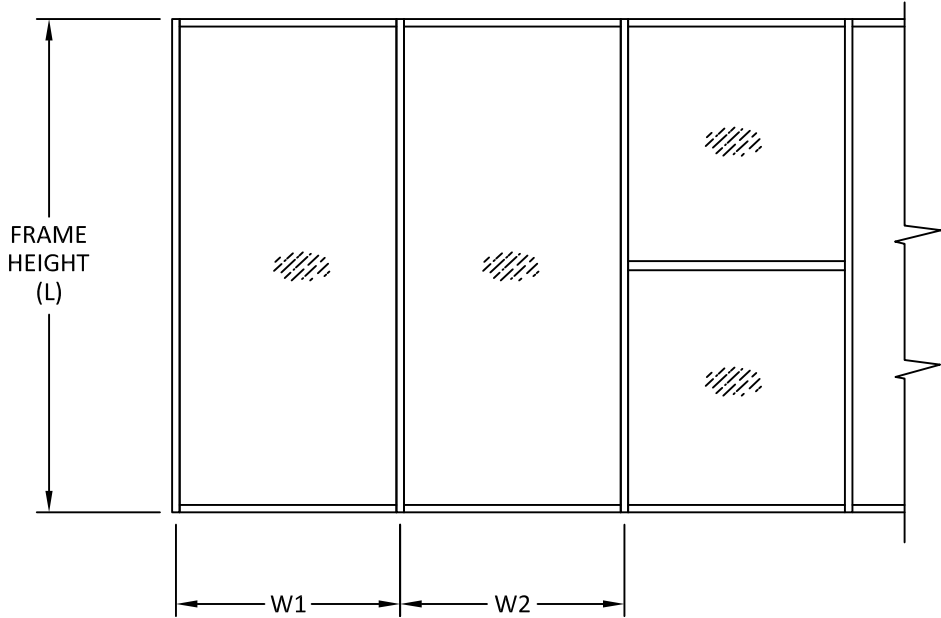
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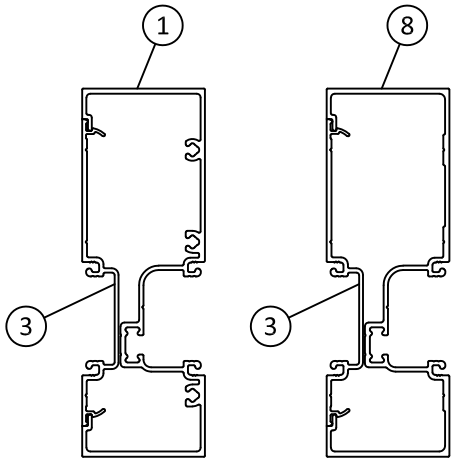
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Maximum Design Pressure Capacity Chart (psf) - Pressures						
WIDTH (in) W	FRAME HEIGHT (in) L	DESIGN PRESSURE (psf)		WIDTH (in) W	FRAME HEIGHT (in) L	DESIGN PRESSURE (psf)
30	80	80.0		30	116	56.9
36		68.8		36		47.4
42		58.9		42		40.6
48		51.6		48		35.6
54		45.8		54		31.6
60		41.3		60		28.4
66		37.5		66		25.9
72		34.4		72		-
30	86	76.7		30	122	54.1
36		64.0		36		45.1
42		54.8		42		38.6
48		48.0		48		33.8
54		42.6		54		30.1
60		38.4		60		27.0
66		34.9		66		-
72		32.0		72		-
30	92	71.7	30	128	51.6	
36		59.8	36		43.0	
42		51.2	42		36.8	
48		44.8	48		32.2	
54		39.9	54		28.6	
60		35.9	60		25.8	
66		32.6	66		-	
72		29.9	72		-	
30	98	67.3	30	132	50.0	
36		56.1	36		41.7	
42		48.1	42		35.7	
48		42.1	48		31.3	
54		37.4	54		27.8	
60		33.7	60		25.0	
66		30.6	66		-	
72		28.1	72		-	
30	104	63.5	30	136	45.7	
36		52.9	36		38.1	
42		45.3	42		32.7	
48		39.7	48		28.6	
54		35.3	54		25.4	
60		31.7	60		-	
66		28.8	66		-	
72		26.4	72		-	
30	110	60.0	NOTE: VALUES SHOWN ABOVE APPLICABLE TO BOTH MULLIONS SHOWN.			
36		50.0				
42		42.9				
48		37.5				
54		33.3				
60		30.0				
66		27.3				
72		25.0				

MULLION LOAD TABLE



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



MULLION



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MULLION LOAD TABLE

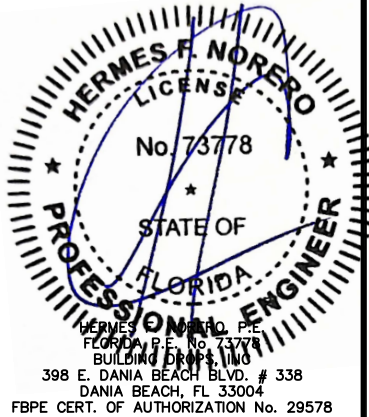
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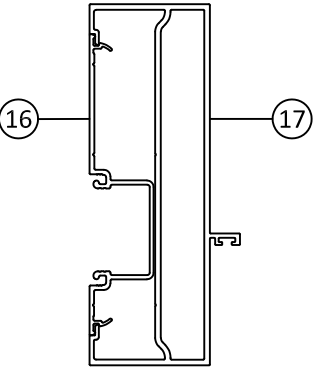
SCALE: **NTS**

DWG. #: **YKK197**

SHEET:
4

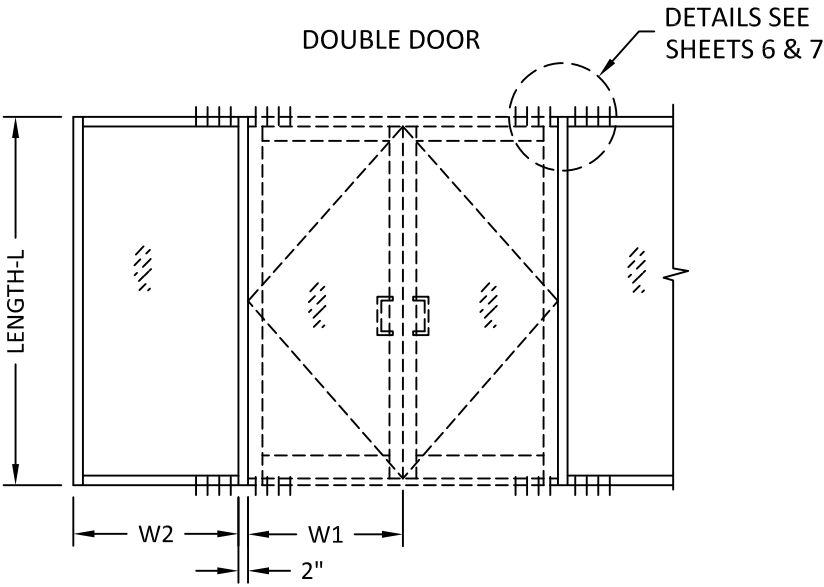
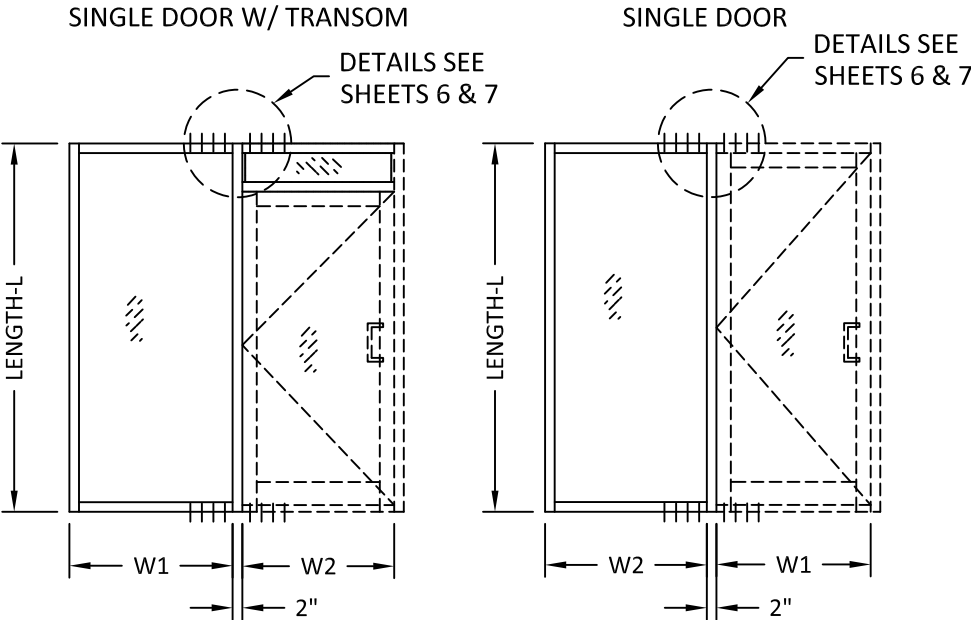
DOOR MULLION LOAD TABLES

DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		TYPE 'M1'
WIDTH (W) INCHES	LENGTH - L INCHES	EXT. (+) INT. (-)
30	96	80.0
36		80.0
42		77.3
48		67.6
54		60.1
60	102	54.1
66		49.2
30		80.0
36		79.9
42		68.5
48		59.9
54		53.2
60		47.9
30	108	80.0
36		71.2
42		61.1
48		53.4
54		47.5
60	114	42.7
30		76.7
36		63.9
42		54.8
48		47.9
54	120	42.6
30		69.2
36		57.7
42		49.5
48		43.3
54		38.5

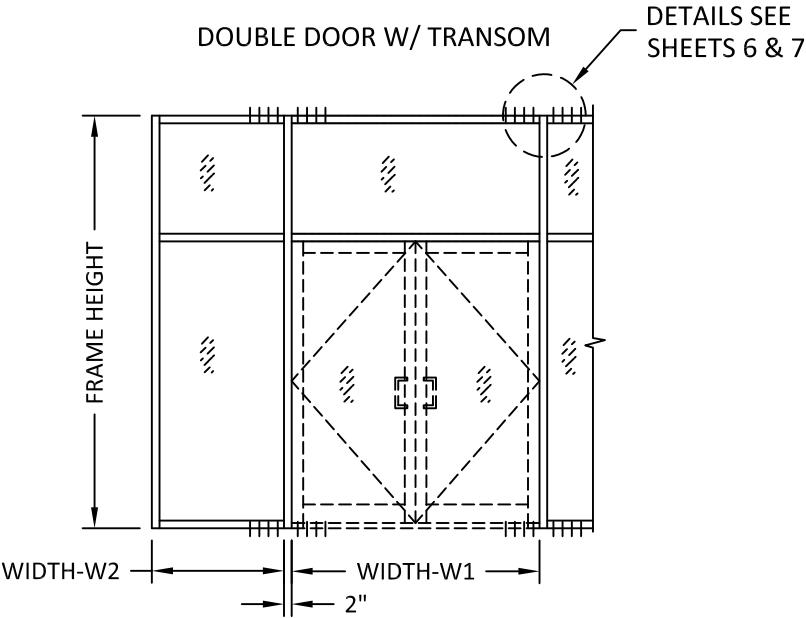


TYPE 'M1'
NO REINFORCING

ELEVATIONS ABOVE SHOW NUMBER OF ANCHORS REQD. AT HEAD/SILL OF DOOR MULLION FOR VARIOUS CONFIGURATIONS. SEE SHEETS 6 & 7 FOR DETAIL.



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



DOOR MULLION LOAD CAPACITY - DOUBLE DOOR WITH TRANSOM			
NOMINAL DIMS.			LOADS - PSF
WIDTH (W1)	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
60	30	102	63.9
	36		59.9
	42		56.4
	48		53.2
	54		50.4
66	60		47.9
	30		59.9
	36		56.4
	42		53.2
	48		50.4
72	54		47.9
	60		45.6
	30		56.4
	36		53.2
	42		50.4
84	48		47.9
	54		45.6
	60		43.6
	30		50.4
	36		47.9
60	42	108	45.6
	48		43.6
	54		40.7
	60		42.7
	30		53.4
66	36		50.3
	42		47.5
	48		45.0
	54		42.7
	60		40.7
72	30		50.3
	36		47.5
	42		45.0
	48		42.7
	54		40.7
84	30		45.0
	36		42.7
	42		40.7

DOOR MULLION LOAD CAPACITY - DOUBLE DOOR WITH TRANSOM			
NOMINAL DIMS.			LOADS - PSF
WIDTH (W1)	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
60	30	114	51.1
	36		47.9
	42		45.1
	48		42.6
	54		40.4
66	60		38.4
	30		47.9
	36		45.1
	42		42.6
	48		40.4
72	54		38.4
	60		45.1
	30		42.6
	36		40.4
	42		38.4
84	48		46.2
	54		43.3
	60		40.7
	30		38.5
	36		36.4
60	42	120	43.3
	48		40.7
	54		38.5
	60		36.4
	30		43.3
66	36		40.7
	42		38.5
	48		36.4
	54		40.7
	60		38.5
72	30		36.4
	36		36.4
84	42		36.4
	30		36.4



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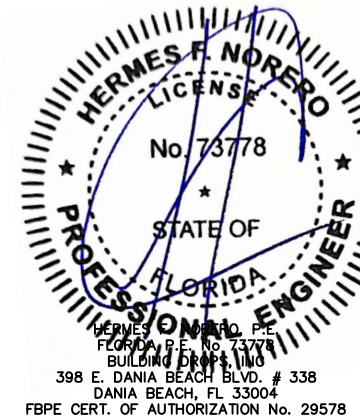
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A-2023 FBC CODE UPDATE	MS	04.21.23

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FL #:	FL12926
DATE:	04.11.17
DWG. BY:	RL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK197
SHEET:	5



YKK AP AMERICA

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

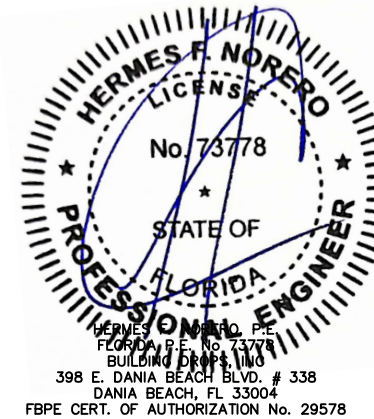
TITLE: YES 60 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
ANCHOR LAYOUT

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
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FL #:
FL12926

DATE: **04.11.17**

DWG. BY: **RL** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK197**

SHEET:
6

OF 11

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

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)

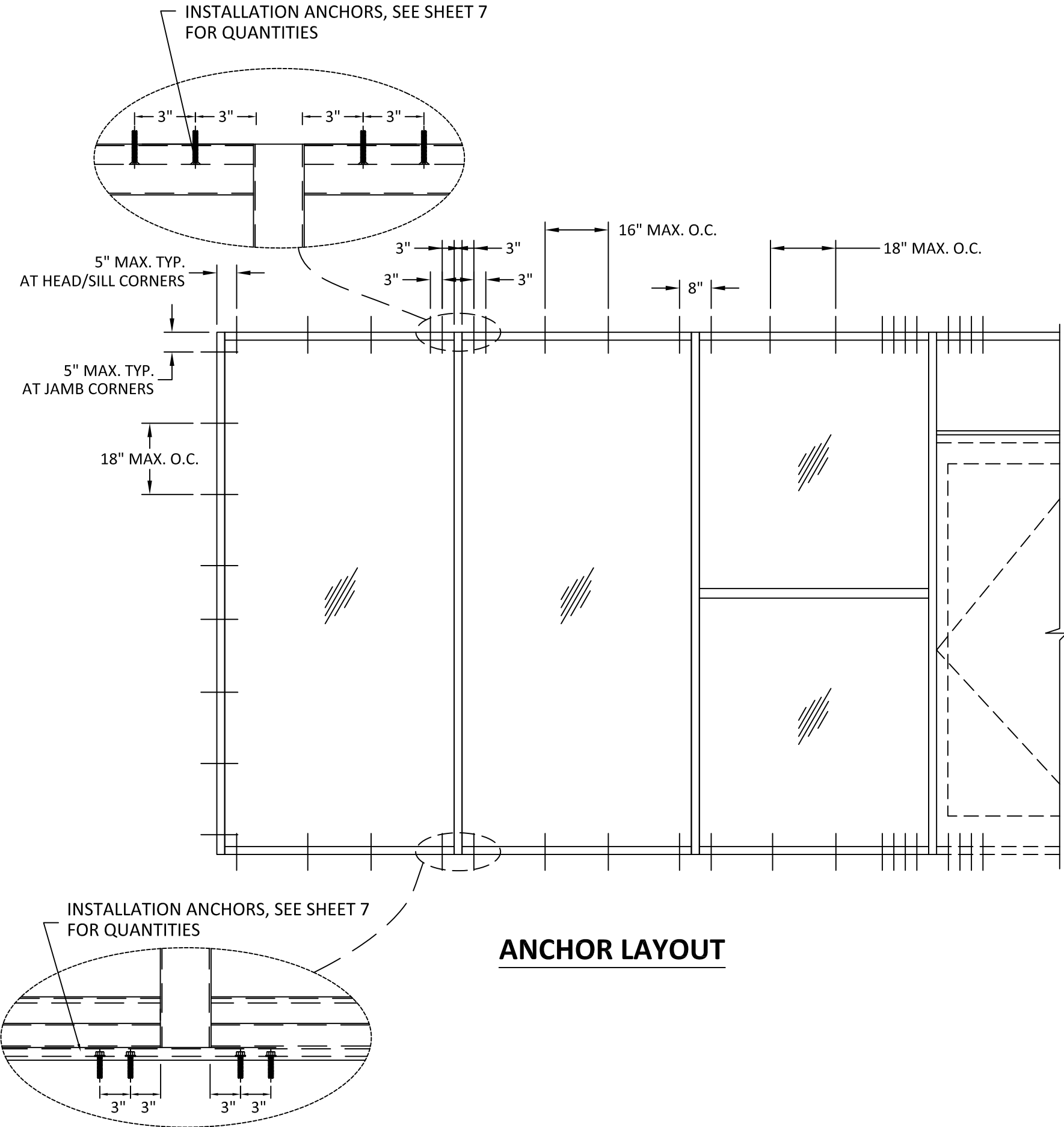
ANCHOR EDGE DISTANCE

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



HEADER, SILL AND JAMBS ANCHOR LOAD CAPACITY - QUANTITY OF ANCHORS CLUSTERED ON EACH SIDE OF MULLION PSF - EXT. (+) & INT. (-)							
NOMINAL DIMS.		INSTALLATION TO CONCRETE OR MASONRY (TYPE A ANCHOR)		INSTALLATION TO STEEL OR ALUMINUM (TYPE B ANCHOR)		INSTALLATION TO WOOD (TYPE A ANCHOR)	
WIDTH (in) (W)	FRAME HEIGHT (in)	1 ANCHOR	2 ANCHORS	1 ANCHOR	2 ANCHORS	1 ANCHOR	2 ANCHORS
30	80	47.4	80.0	39.0	78.0	61.3	80.0
36		41.4	80.0	34.1	68.1	53.6	80.0
42		37.3	74.6	30.7	61.4	48.3	80.0
48		34.4	68.7	28.3	56.6	44.5	80.0
54		32.3	64.6	26.6	53.1	41.8	80.0
60		30.8	61.6	25.3	50.7	39.9	79.7
66		29.8	59.6	24.5	49.0	38.6	77.1
72		29.2	58.3	24.0	48.0	37.8	75.5
30	86	43.4	80.0	35.7	71.4	56.2	80.0
36		37.7	75.5	31.1	62.1	48.9	80.0
42		33.8	67.7	27.8	55.7	43.8	80.0
48		31.0	62.1	25.5	51.1	40.2	80.0
54		29.0	58.0	23.9	47.7	37.5	75.1
60		27.5	55.0	22.6	45.3	35.6	71.2
66		26.4	52.8	21.7	43.5	34.2	68.4
72		25.7	51.3	21.1	42.2	33.2	66.5
30	92	40.0	80.0	32.9	65.8	51.8	80.0
36		34.7	69.4	28.5	57.1	44.9	80.0
42		31.0	62.0	25.5	51.0	40.1	80.0
48		28.3	56.6	23.3	46.6	36.6	73.3
54		26.3	52.6	21.7	43.3	34.1	68.2
60		24.8	49.7	20.4	40.9	32.2	64.3
66		23.7	47.5	19.5	39.0	30.7	61.4
72		22.9	45.8	18.9	37.7	29.7	59.3
30	98	37.1	74.2	30.5	61.1	48.0	80.0
36		32.1	64.2	26.4	52.8	41.5	80.0
42		28.6	57.1	23.5	47.0	37.0	74.0
48		26.0	52.0	21.4	42.8	33.7	67.4
54		24.1	48.2	19.8	39.7	31.2	62.4
60		22.6	45.3	18.6	37.3	29.3	58.6
66		21.5	43.1	17.7	35.4	27.9	55.8
72		20.7	41.4	17.0	34.1	26.8	53.6
30	104	34.6	69.2	28.5	56.9	44.8	80.0
36		29.8	59.7	24.6	49.1	38.6	77.3
42		26.5	53.0	21.8	43.6	34.3	68.6
48		24.1	48.1	19.8	39.6	31.2	62.3
54		22.2	44.4	18.3	36.6	28.8	57.5
60		20.8	41.6	17.1	34.2	26.9	53.9
66		19.7	39.4	16.2	32.4	25.5	51.1
72		18.9	37.7	15.5	31.1	24.4	48.9
30	110	32.4	64.8	26.7	53.3	42.0	80.0
36		27.9	55.8	23.0	45.9	36.1	72.2
42		24.7	49.4	20.3	40.7	32.0	64.0
48		22.4	44.8	18.4	36.8	29.0	58.0
54		20.6	41.2	17.0	33.9	26.7	53.4
60		19.2	38.5	15.8	31.7	24.9	49.8
66		18.2	36.4	15.0	29.9	23.5	47.1
72		17.3	34.7	14.3	28.5	22.5	44.9

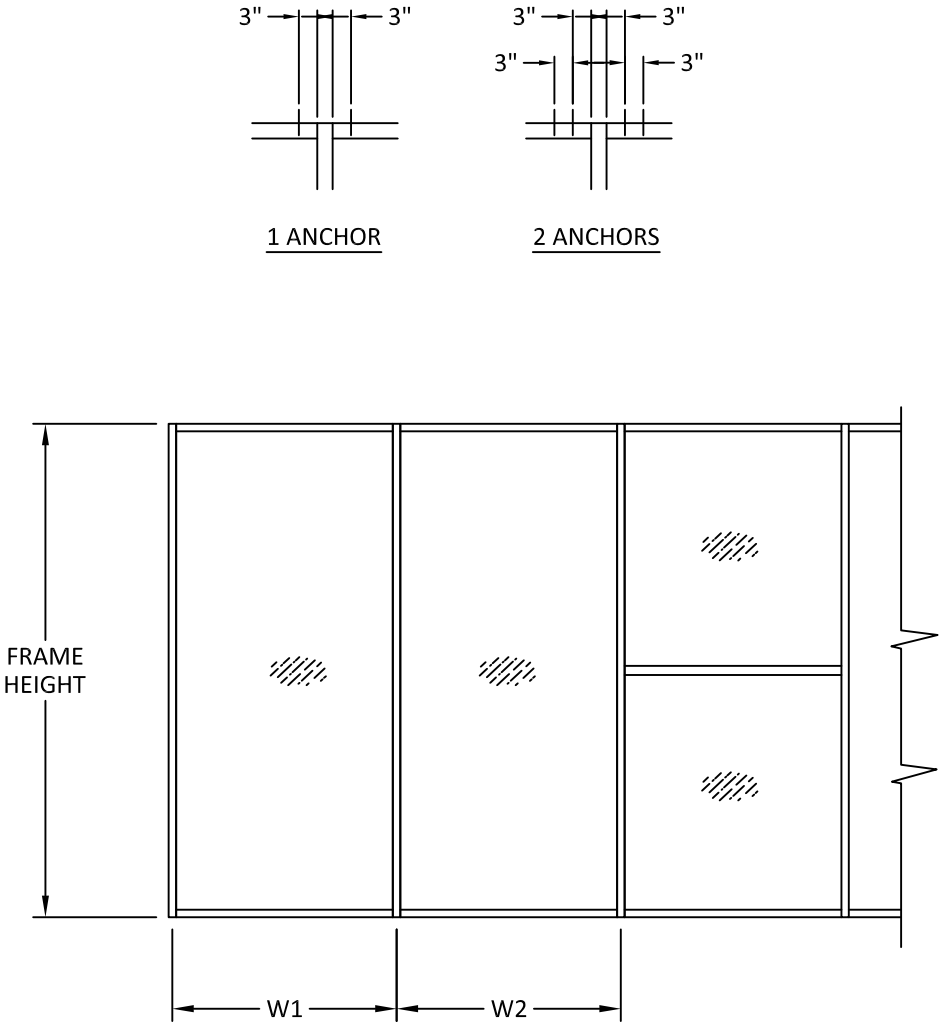
HEADER, SILL AND JAMBS ANCHOR LOAD CAPACITY - QUANTITY OF ANCHORS CLUSTERED ON EACH SIDE OF MULLION PSF - EXT. (+) & INT. (-)							
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WIDTH (in) (W)	FRAME HEIGHT (in)	1 ANCHOR	2 ANCHORS	1 ANCHOR	2 ANCHORS	1 ANCHOR	2 ANCHORS
30	116	30.5	61.0	25.1	50.2	39.5	79.0
36		26.2	52.4	21.5	43.1	33.9	67.8
42		23.2	46.3	19.1	38.1	30.0	60.0
48		20.9	41.8	17.2	34.4	27.1	54.2
54		19.2	38.4	15.8	31.6	24.9	49.8
60		17.9	35.8	14.7	29.5	23.2	46.4
66		16.9	33.7	13.9	27.8	21.8	43.7
72		16.0	32.1	13.2	26.4	20.8	41.5
30	122	28.8	57.6	23.7	47.4	37.3	74.5
36		24.7	49.4	20.3	40.6	31.9	63.9
42		21.8	43.6	17.9	35.8	28.2	56.4
48		19.6	39.3	16.2	32.3	25.4	50.9
54		18.0	36.0	14.8	29.6	23.3	46.6
60		16.7	33.5	13.8	27.5	21.7	43.3
66		15.7	31.5	12.9	25.9	20.4	40.7
72		14.9	29.8	12.3	24.6	19.3	38.6
30	128	27.3	54.5	22.4	44.8	35.3	70.6
36		23.3	46.7	19.2	38.4	30.2	60.4
42		20.6	41.1	16.9	33.8	26.6	53.2
48		18.5	37.0	15.2	30.5	24.0	47.9
54		16.9	33.9	13.9	27.9	21.9	43.9
60		15.7	31.4	12.9	25.9	20.3	40.7
66		14.7	29.5	12.1	24.2	19.1	38.2
72		13.9	27.9	11.5	23.0	18.1	36.1
30	132	26.3	52.6	21.7	43.3	34.1	68.2
36		22.5	45.0	18.5	37.0	29.1	58.3
42		19.8	39.6	16.3	32.6	25.7	51.3
48		17.8	35.6	14.7	29.3	23.1	46.1
54		16.3	32.6	13.4	26.8	21.1	42.2
60		15.1	30.2	12.4	24.8	19.5	39.1
66		14.1	28.3	11.6	23.3	18.3	36.6
72		13.4	26.7	11.0	22.0	17.3	34.6
30	136	25.5	50.9	20.9	41.9	33.0	65.9
36		21.7	43.5	17.9	35.8	28.2	56.3
42		19.1	38.3	15.7	31.5	24.8	49.5
48		17.2	34.4	14.1	28.3	22.3	44.5
54		15.7	31.4	12.9	25.8	20.3	40.6
60		14.5	29.1	12.0	23.9	18.8	37.6
66		13.6	27.2	11.2	22.4	17.6	35.2
72		12.8	25.7	10.6	21.1	16.6	33.2

ANCHOR TABLE

ANCHOR REQUIREMENTS:

DETERMINE REQUIRED QUANTITY OF ANCHORS CLUSTERED ON EACH SIDE OF MULLION FROM TABLE AT LEFT BASED ON NOMINAL PANEL SIZE AND SITE REQUIRED DP. INSTALL ANCHORS PER DETAILS BELOW.

ALL OTHER ANCHORS TO BE SPACED AS SHEET 6



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



YKK AP AMERICA

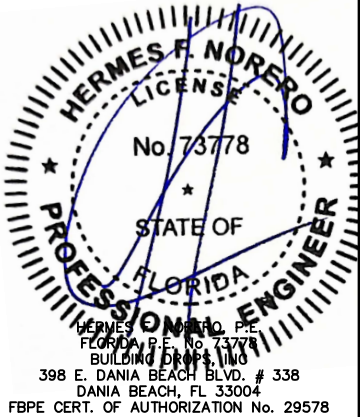
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YES 60 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
ANCHOR TABLE

PREPARED BY:
BUILDING DROPS, INC.
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DWG. BY: **RL** CHK. BY: **HFN**

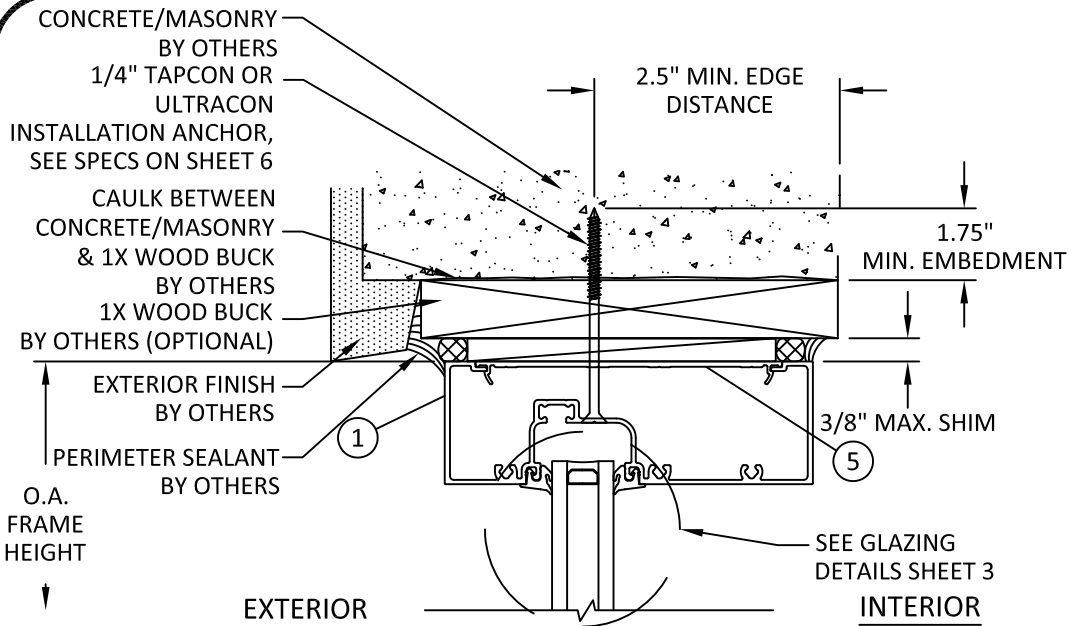
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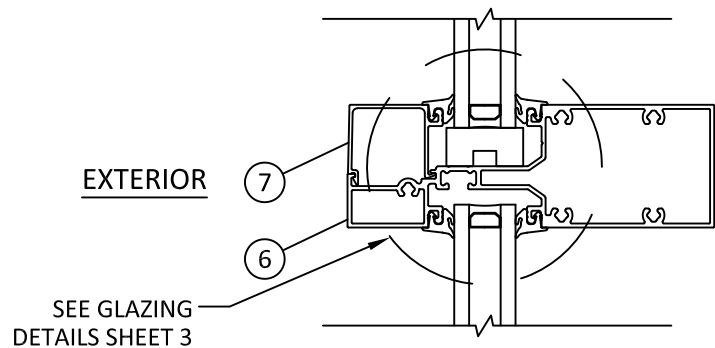
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7
OF 11

6/26/2023 12:37 PM

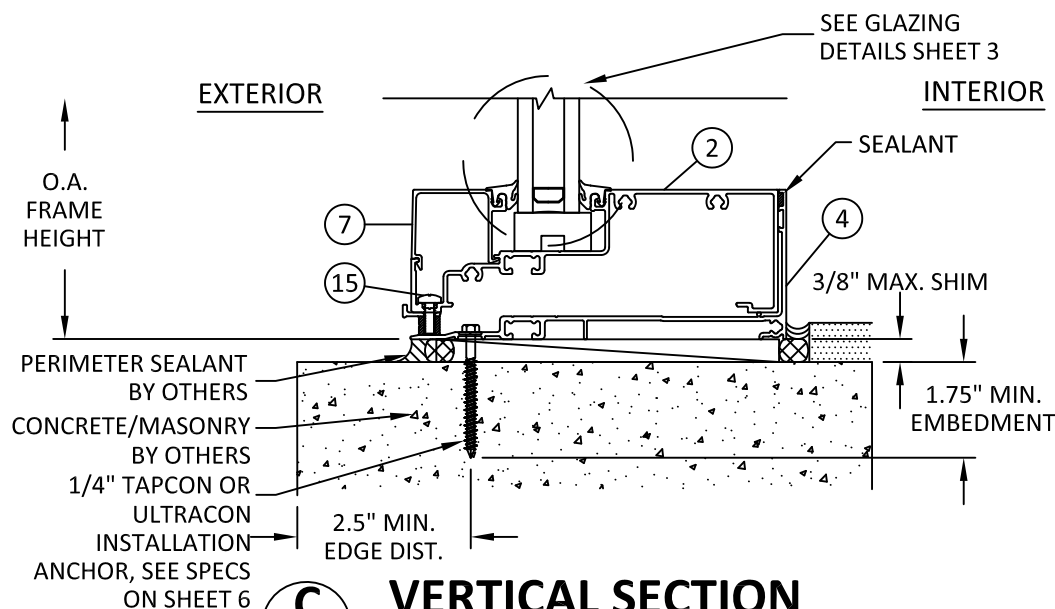
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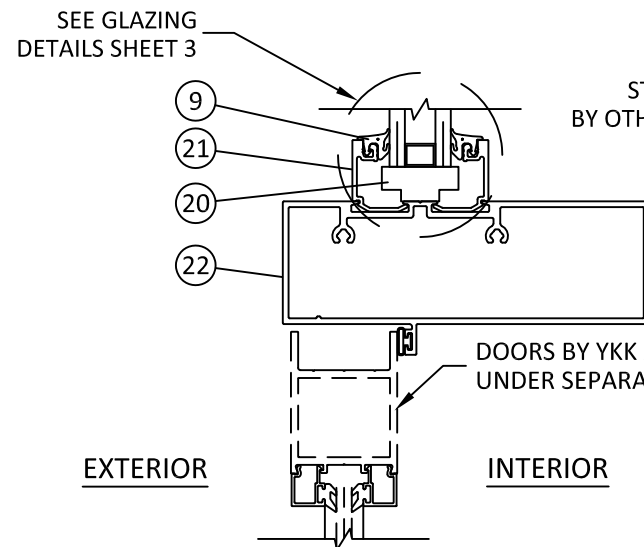
A
8 VERTICAL SECTION
HEAD - CONCRETE/MASONRY W/ 1X BUCK



B
8 VERTICAL SECTION
HORIZONTAL MEMBER



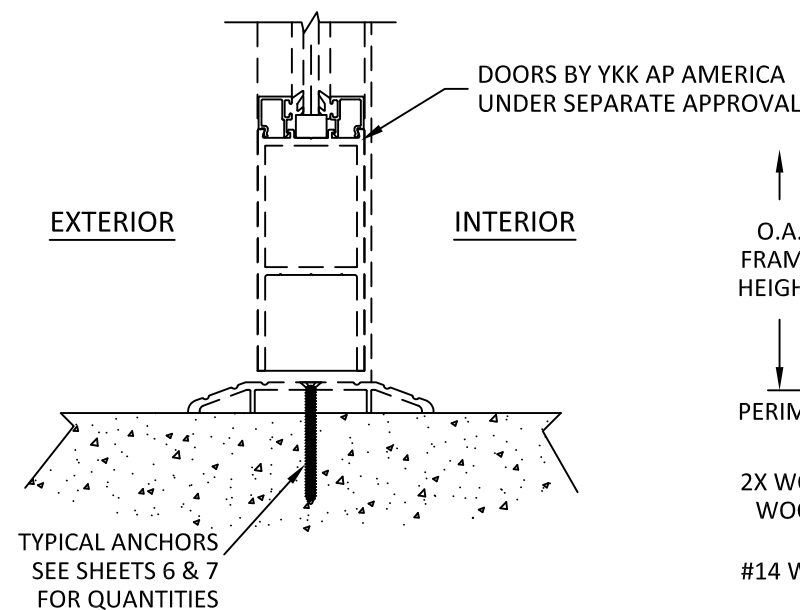
C
8 VERTICAL SECTION
SILL - DIRECT TO CONCRETE/MASONRY



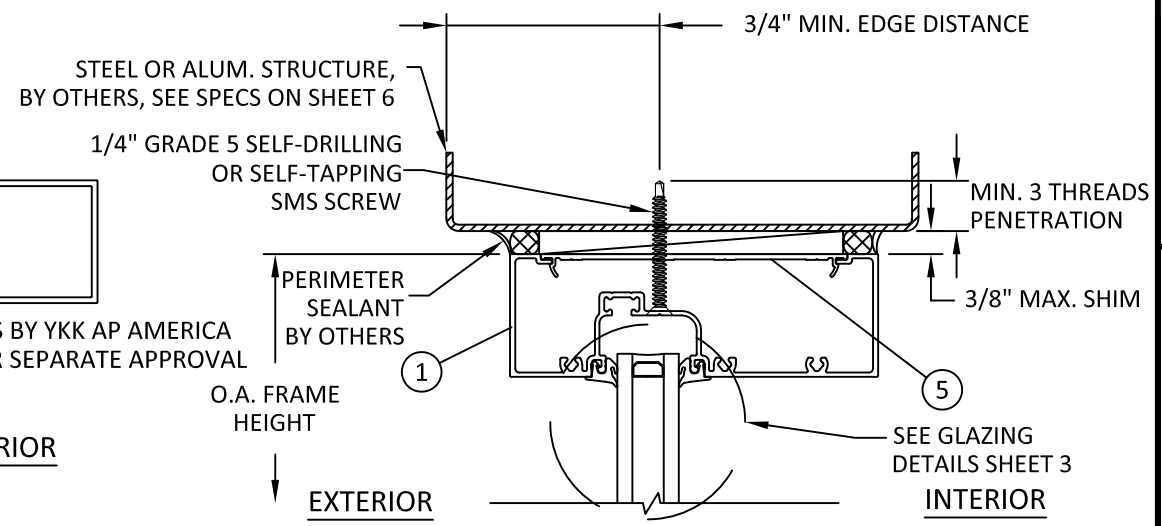
O
8 VERTICAL SECTION
DOOR HEAD W/ TRANSOM

LIMIT DESIGN LOADS FOR GLAZED HORIZONTAL MULLION AS FOLLOWS					
MAX NOMINAL PANEL WIDTH (in)	MAX GLASS DLO HEIGHT ABOVE HORIZONTAL (in)	MAX DESIGN LOADS (psf)	MAX NOMINAL PANEL WIDTH (in)	MAX GLASS DLO HEIGHT ABOVE HORIZONTAL (in)	MAX DESIGN LOADS (psf)
36	62.78125	80	36	80.78125	80
48	62.78125	66	48	80.78125	57
60	62.78125	24	60	80.78125	17
64	62.78125	17	64	80.78125	-
36	68.78125	80	36	86.78125	80
48	68.78125	63	48	86.78125	54
60	68.78125	22	60	86.78125	15
64	68.78125	15	64	86.78125	-
36	74.78125	80			
48	74.78125	60			
60	74.78125	19			
64	74.78125	-			

DESIGN LOADS SHOWN ABOVE ARE BASED ON MAXIMUM GLASS
AREA ABOVE HORIZONTAL

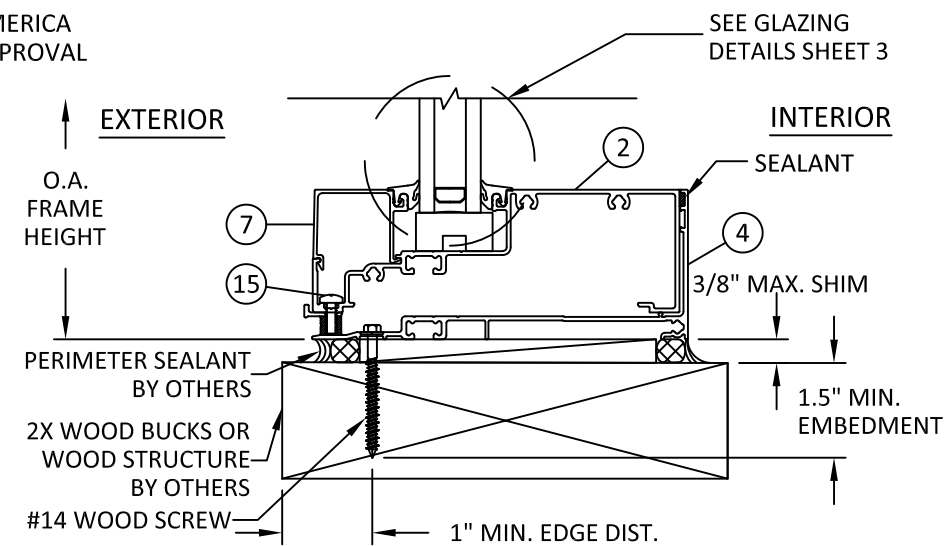


D
8 VERTICAL SECTION
DOOR SILL



E
8 VERTICAL SECTION
HEAD - METAL SUBSTRATE

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.



F
8 VERTICAL SECTION
SILL - WOOD FRAMING



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

TITLE: YES 60 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)

VERTICAL SECTIONS

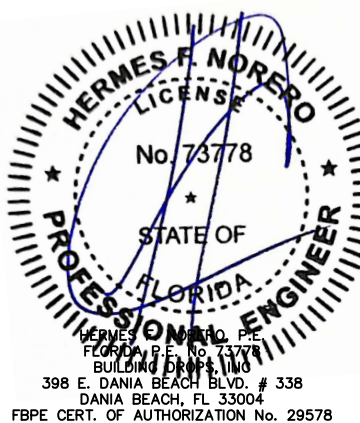
PREPARED BY:
BUILDING DROPS, INC.

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DANIA BEACH, FL 33004
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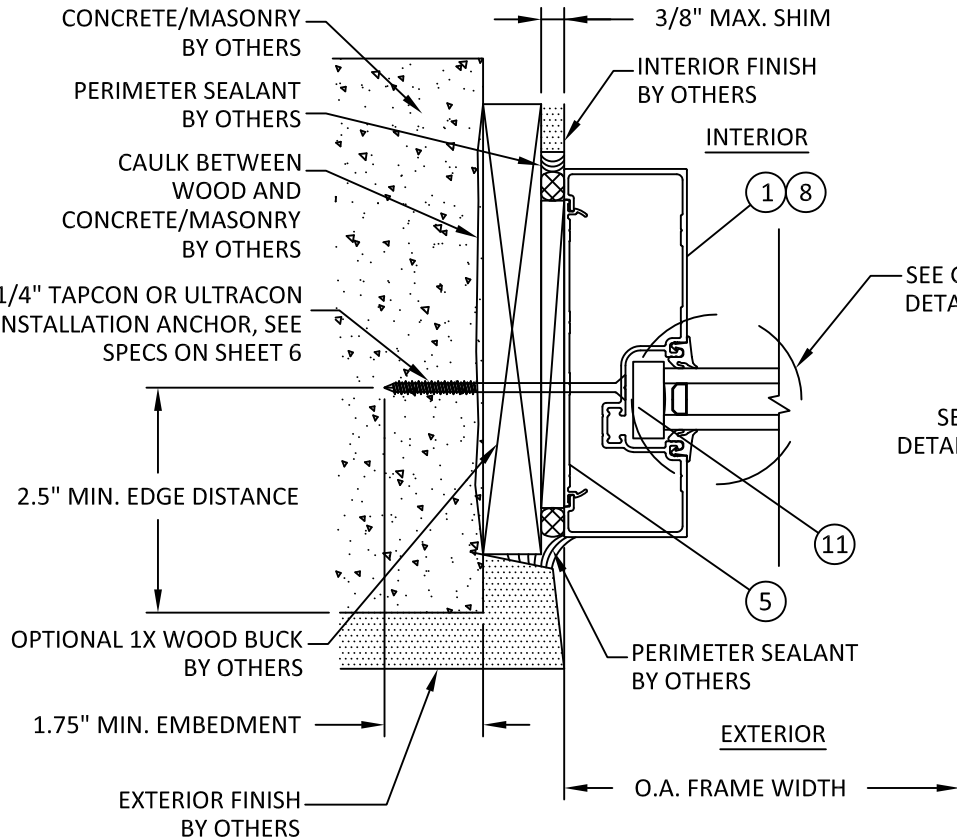
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DWG. BY:	RL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK197
SHEET:	

6/26/2023 12:37 PM

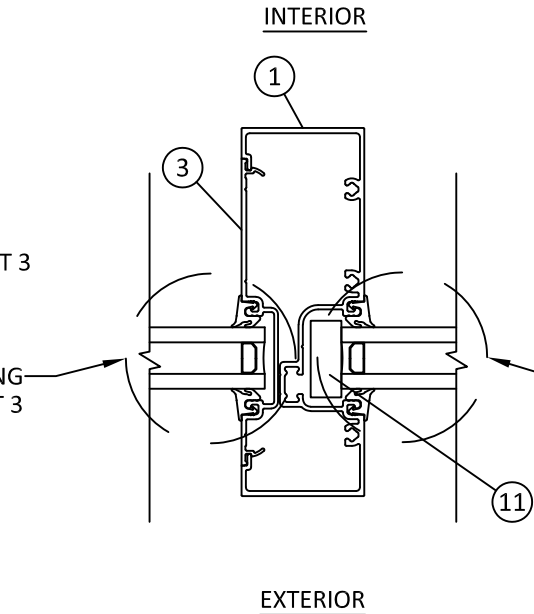
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G
9 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK

SEE GLAZING
DETAILS SHEET 3

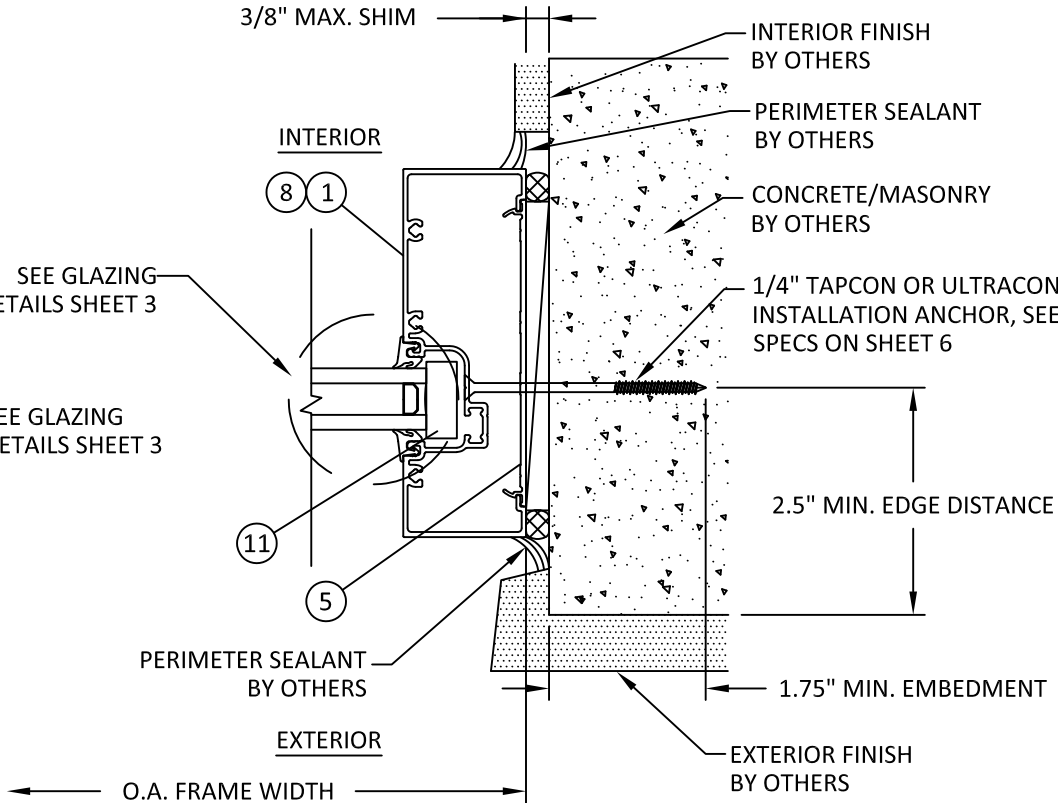
SEE GLAZING
DETAILS SHEET 3



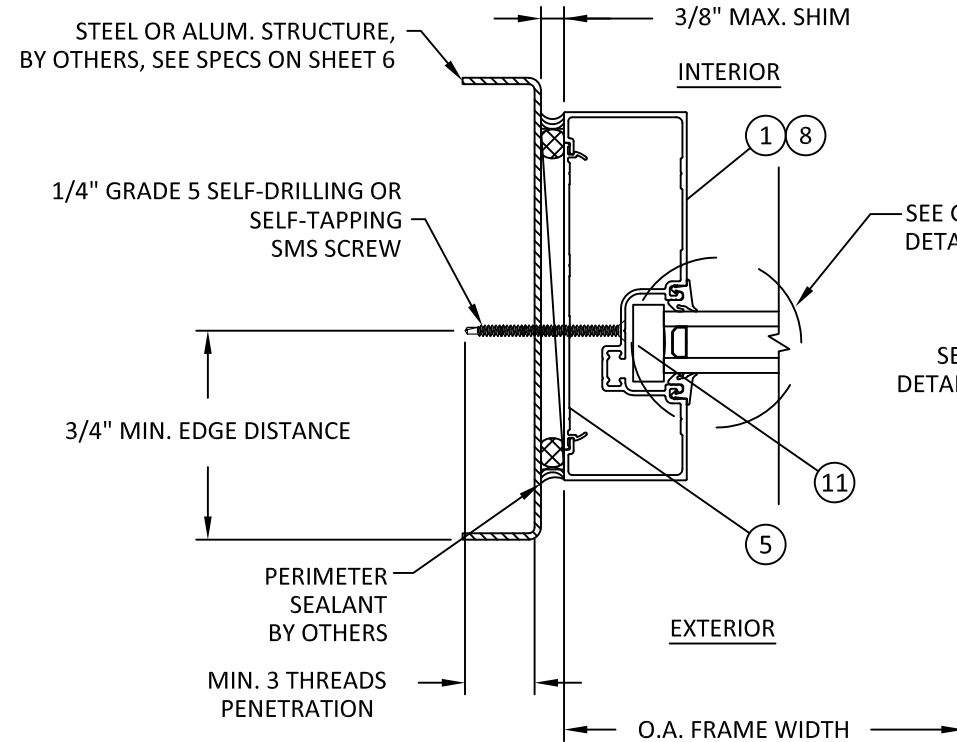
H
9 HORIZONTAL SECTION
VERTICAL MULLION

SEE GLAZING
DETAILS SHEET 3

SEE GLAZING
DETAILS SHEET 3



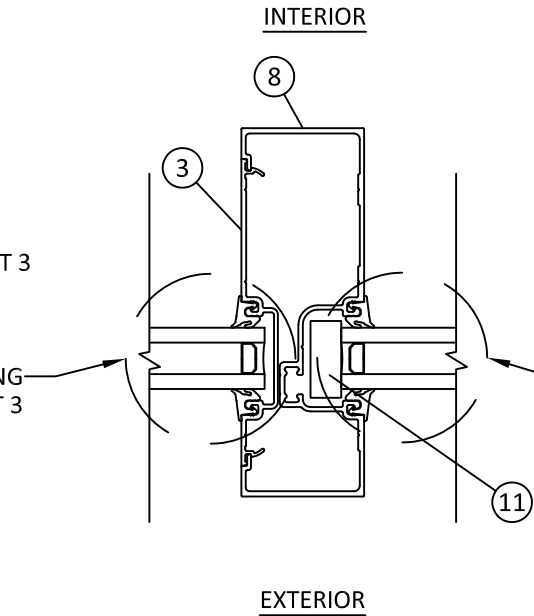
I
9 HORIZONTAL SECTION
JAMB - DIRECT TO CONCRETE/MASONRY



J
9 HORIZONTAL SECTION
JAMB - METAL SUBSTRATE

SEE GLAZING
DETAILS SHEET 3

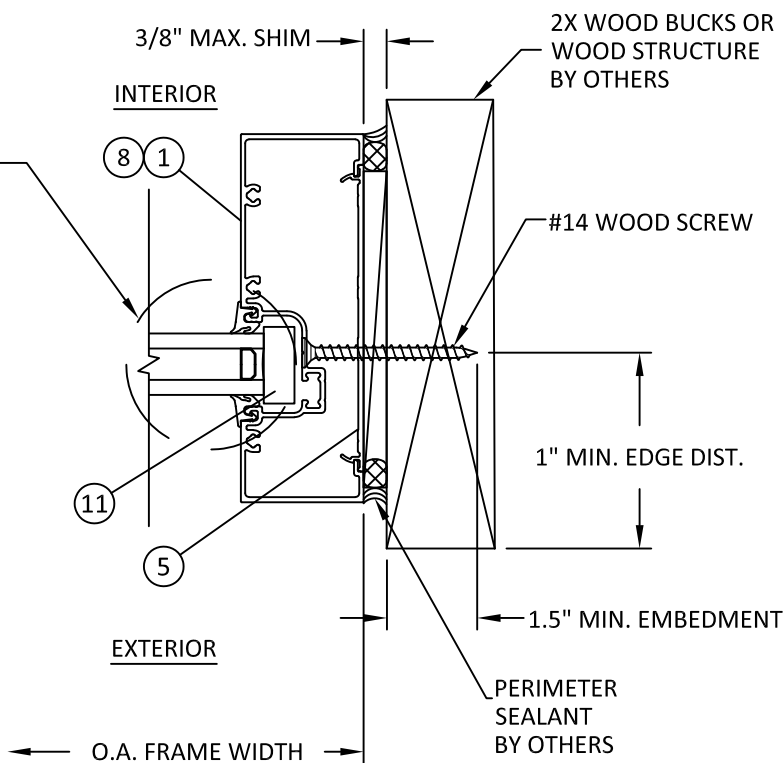
SEE GLAZING
DETAILS SHEET 3



K
9 HORIZONTAL SECTION
VERTICAL MULLION

SEE GLAZING
DETAILS SHEET 3

SEE GLAZING
DETAILS SHEET 3



L
9 HORIZONTAL SECTION
JAMB - WOOD FRAMING



YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS

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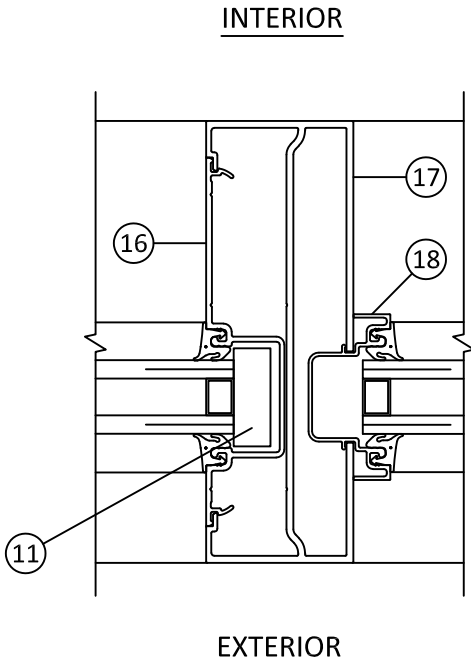


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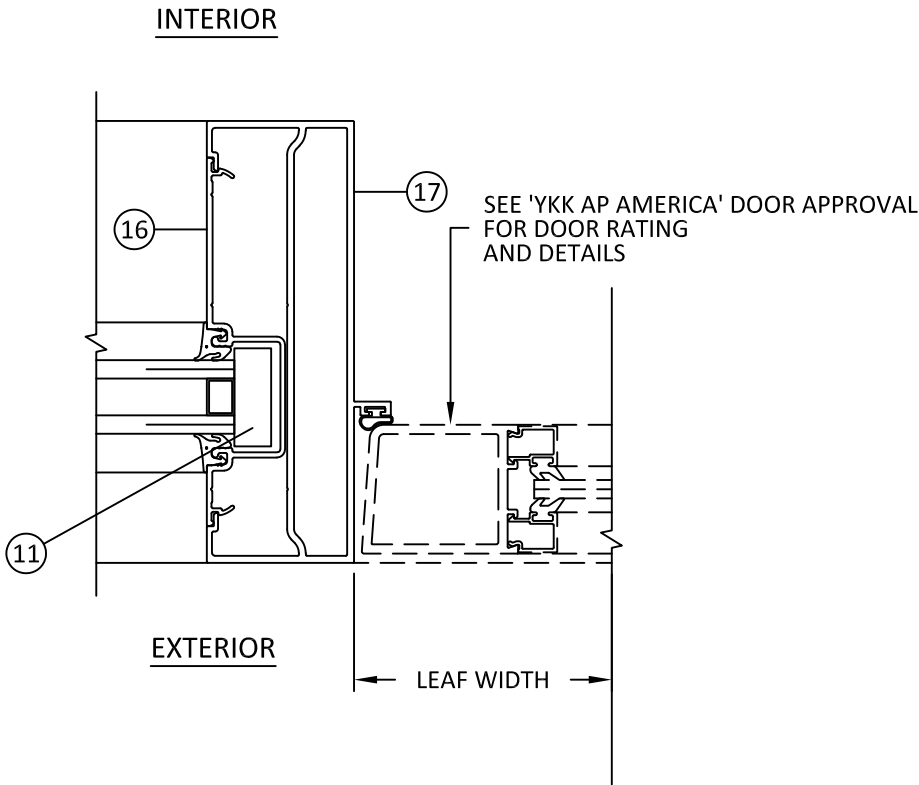
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DWG. #:	YKK197
SHEET:	9



M
10 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE
SIDELITE - TRANSOM



N
10 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE
SIDELITE - DOOR



YKK AP AMERICA
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HORIZONTAL SECTIONS

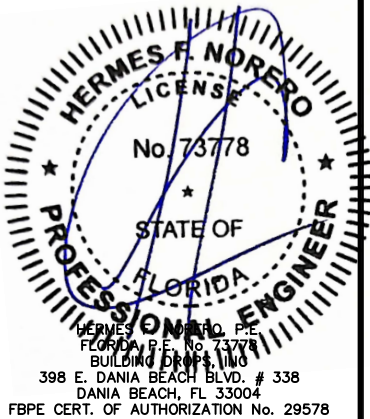
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DATE: **04.11.17**

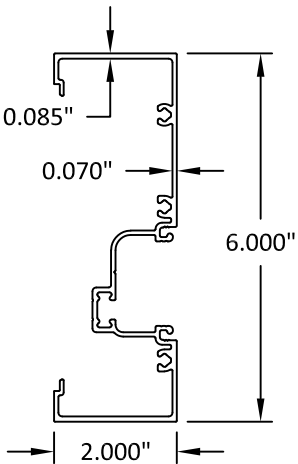
DWG. BY: RL	CHK. BY: HFN
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SCALE: **NTS**

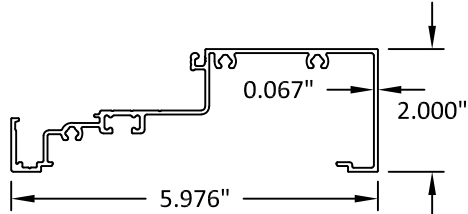
DWG. #: **YKK197**

SHEET:
10

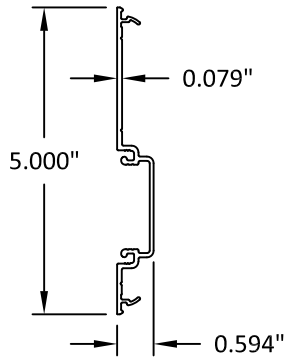
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-2904	AS NEEDED	FRAME HEAD/JAMB/MULLION	6063-T5	YKK AP AMERICA
2	E9-2902	AS NEEDED	FRAME SILL	6063-T5	YKK AP AMERICA
3	E9-2907	AS NEEDED	SHALLOW POCKET FILLER	6063-T5	YKK AP AMERICA
4	E9-2901	AS NEEDED	SILL FLASHING	6063-T5	YKK AP AMERICA
5	E1-2904	AS NEEDED	ANCHOR FILLER	6063-T5	MADE FROM E9-2908
6	E9-2903	AS NEEDED	HORIZONTAL	6063-T5	YKK AP AMERICA
7	E9-1015	AS NEEDED	GLAZING STOP	6063-T5	YKK AP AMERICA
8	E9-2911	AS NEEDED	FRAME JAMB/MULLION	6063-T5	YKK AP AMERICA
9	E2-0052	AS NEEDED	EXTERIOR GLAZING GASKET	EDPM	-
10	E2-0020	AS NEEDED	SETTING BLOCK	EDPM	-
11	E2-0153	AS NEEDED	ANTI WALK BLOCK	EDPM	-
12	E2-0047	AS NEEDED	WATER DEFLECTOR	COMPOSITE	-
13	PC-1220	AS NEEDED	ASSEMBLY SCREWS	ZINC PLATED STL	#12 X 1-1/4" PPHSMS
14	UA-1212	AS NEEDED	FOR END DAM ATTACHMENT	ZINC PLATED STL	#12 - 3/4" UFHSMS TYPE A
15	PM-1008-SS	AS NEEDED	FOR SILL ATTACHMENT	STAINLESS STEEL	#10-24 X 1/2" PHMS
16	E9-2934	AS NEEDED	DEEP POCKET FILLER	6063-T5	YKK AP AMERICA
17	Y7-9562	AS NEEDED	DOOR JAMB	6063-T5	YKK AP AMERICA
18	E9-0435	AS NEEDED	TRANSOM GLAZING POCKET	6063-T5	YKK AP AMERICA
19	E2-0051	AS NEEDED	AIRTIGHT GASKET	SANTOPRENE	-
20	E2-0056	AS NEEDED	SETTING BLOCK	EPDM	-
21	E9-0413	AS NEEDED	TRANSOM GLAZING STOP	6063-T5	YKK AP AMERICA
22	Y7-9480	AS NEEDED	DOOR HEAD O/P	6063-T5	YKK AP AMERICA



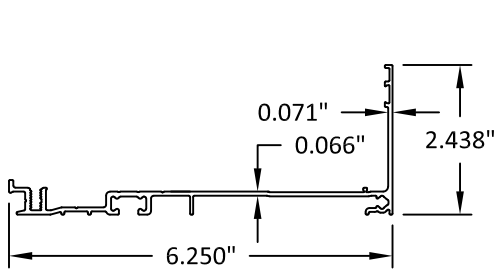
1 FRAME HEAD/JAMB/MULLION
6063-T5



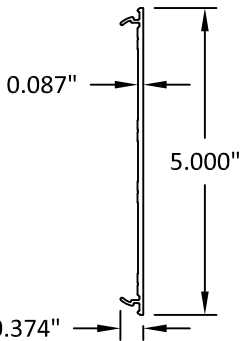
2 FRAME SILL
6063-T5



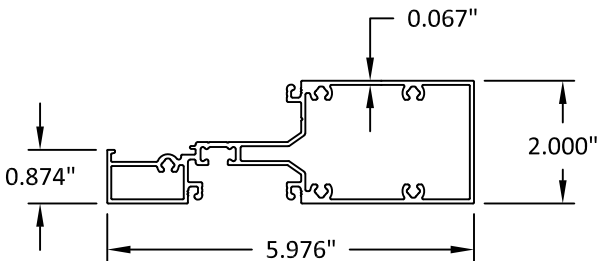
3 SHALLOW POCKET FILLER
6063-T5



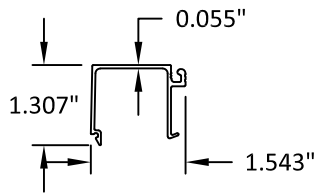
4 SILL FLASHING
6063-T5



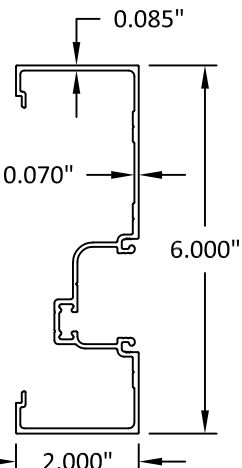
5 ANCHOR FILLER
6063-T5



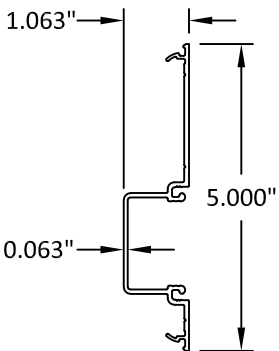
6 HORIZONTAL
6063-T5



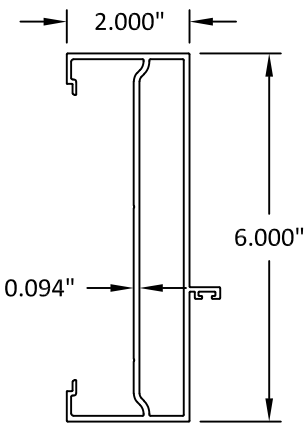
7 GLAZING STOP
6063-T5



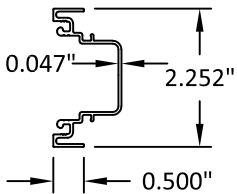
8 FRAME JAMB/MULLION
6063-T5



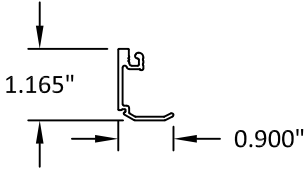
16 DEEP POCKET FILLER
6063-T5



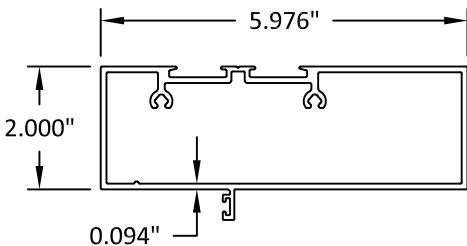
17 DOOR JAMB
6063-T5



18 TRANSOM GLAZING POCKET
6063-T5



21 TRANSOM GLAZING STOP
6063-T5



22 DOOR HEAD O/P
6063-T5



YKK AP AMERICA

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

TITLE: YES 60 FI
ALUMINUM STOREFRONT SYSTEM
(NON-HVHZ) (NON-IMPACT)
COMPONENTS & BILL OF MATERIALS

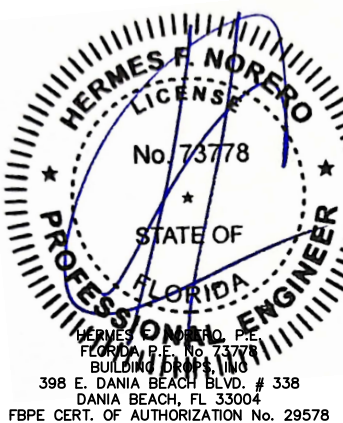
PREPARED BY:
BUILDING DROPS, INC.

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



REMARKS	BY	DATE
A-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 DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL12926
DATE:	04.11.17
DWG. BY:	RL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK197
SHEET:	11