

YKK AP AMERICA, INC

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

INSTALLATION NOTES:

- SEE SHEET 10 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENTS, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 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), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - AAMA 501-15
 - ASTM E1886-13a
 - ASTM E1996-17
- 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.

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13	COMPONENTS & BILL OF MATERIALS

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 FOR STORE FRONT MULLION AND SHEETS 8 & 9 FOR DOOR MULLION, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 6 & 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, INC.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

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

INSTALLATION & GENERAL NOTES

PREPARED BY:

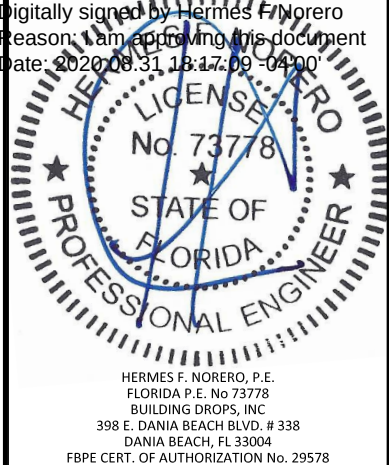


BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
A-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17
C-FBC CODE UPDATE	RV	07.12.17

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.

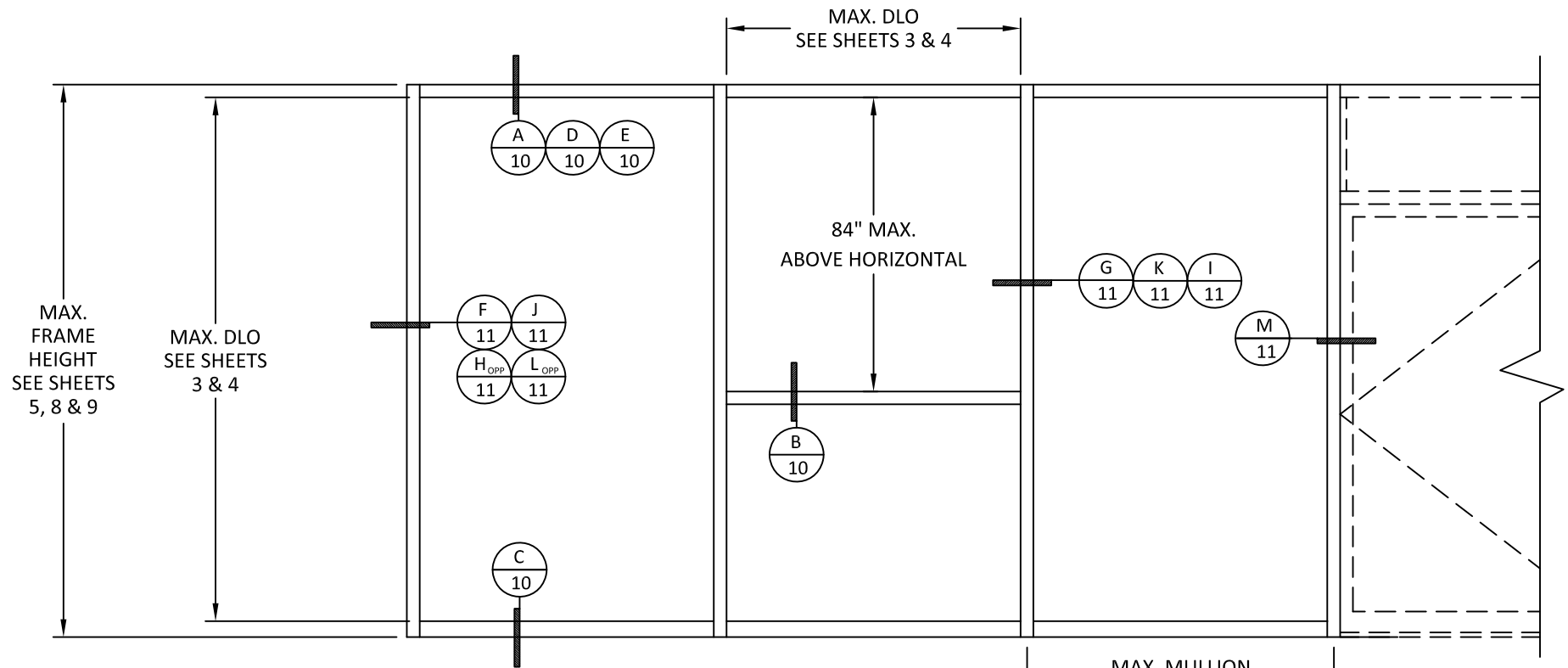
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Reason: I am approving this document
Date: 2020.08.31 13:17:09 -0400



FL #:	FL14218
DATE:	10.20.15
DWG. BY: SM	CHK. BY: HFN
SCALE:	NTS
DWG. #:	YKK161
SHEET:	1

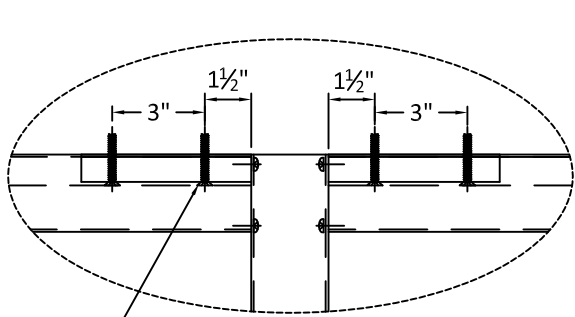
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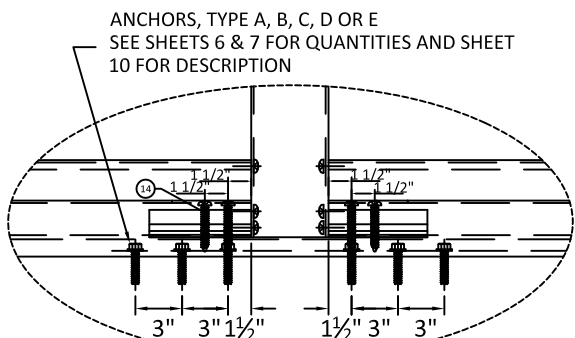


ELEVATION
TYPICAL YHS 50 TU STOREFRONT

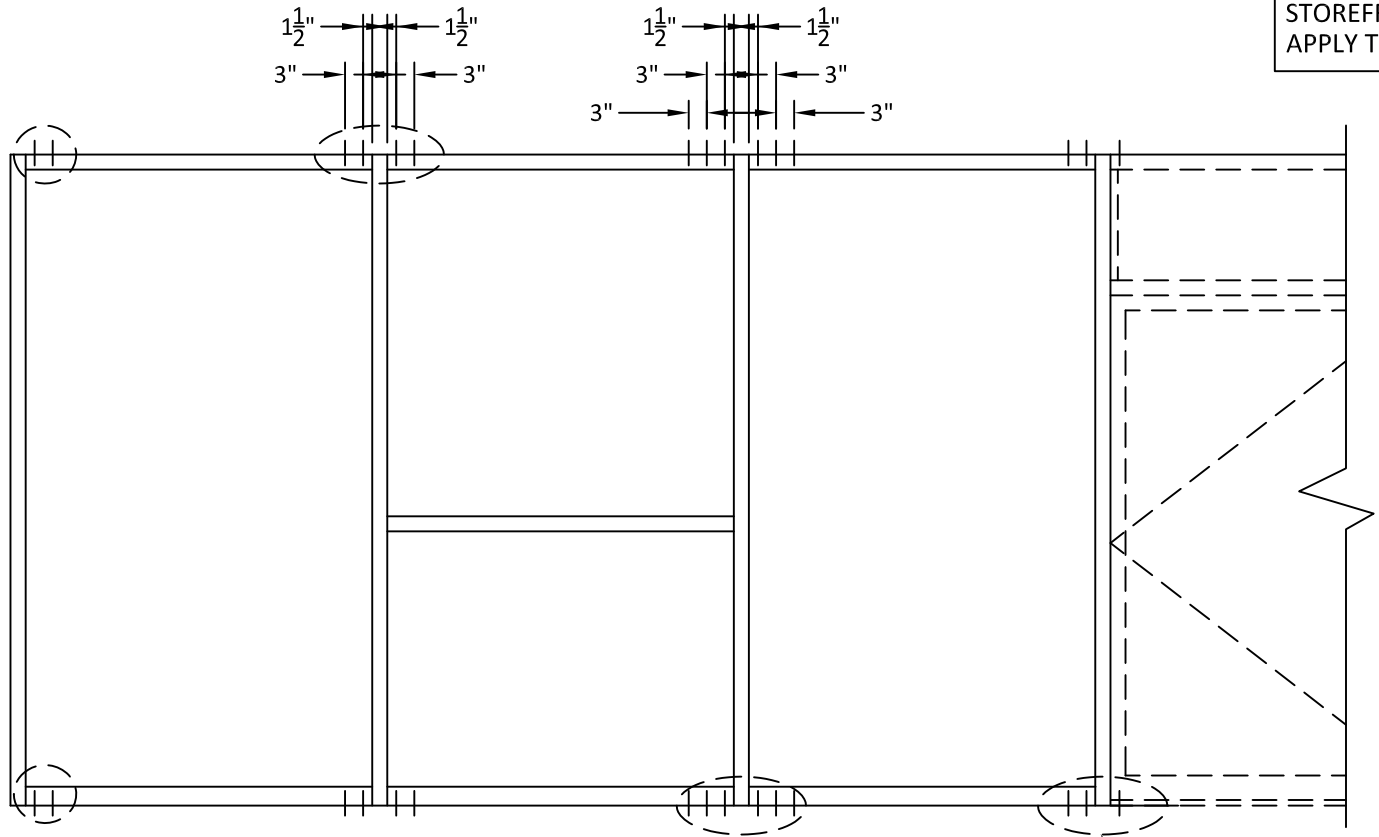
SEE SEPARATE DOOR APPROVAL FOR DOOR RATING & DETAILS.
LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.



ANCHORS, TYPE A, B, C, D OR E
SEE SHEETS 6 & 7 FOR QUANTITIES AND SHEET 10 FOR DESCRIPTION



ANCHORS, TYPE A, B, C, D OR E
SEE SHEETS 6 & 7 FOR QUANTITIES AND SHEET 10 FOR DESCRIPTION



TYPICAL ANCHOR LAYOUT

FOR DOOR ADJACENT MULLION ANCHOR REQUIREMENTS SEE SHEETS 8 & 9



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ELEVATION & ANCHOR LAYOUT

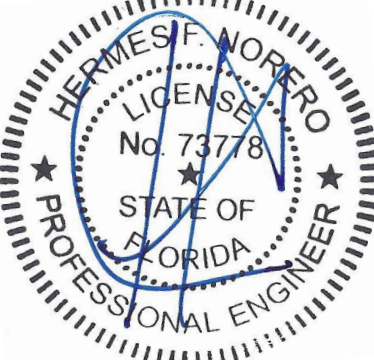
PREPARED BY: **BUILDING DROPS, INC.**

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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL14218**

DATE: **10.20.15**

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

SCALE: **NTS**

DWG. #: **YKK161**

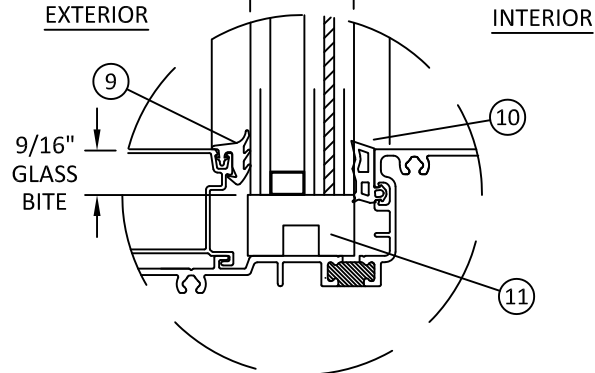
SHEET: **2**

GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (in)		INSUL. LAM. GLASS
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)
27.5	54.375	70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5	60.375	70.0
69.5		68.4
27.5		70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5	66.375	70.0
57.5		70.0
63.5		70.0
69.5		70.0
27.5		70.0
33.5		70.0
39.5	72.375	70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5		63.4
69.5		63.5
27.5	78.375	70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5	84.375	63.4
69.5		57.9
27.5		70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5	90.375	70.0
57.5		70.0
63.5		63.4
69.5		70.0
27.5		70.0
33.5		70.0
39.5	96.375	70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5		70.0
69.5		70.0
27.5	102.375	70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5	108.375	70.0
69.5		70.0
27.5		50.0
33.5		50.0
39.5		50.0
45.5		50.0
51.5	114.375	50.0
57.5		50.0
63.5		50.0
69.5		50.0
27.5		50.0
33.5		50.0

GLASS LOAD CAPACITY (PSF)		
NOMINAL DIMS. (in)		INSUL. LAM. GLASS
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)
27.5	54.375	70.0
33.5		70.0
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69.5		68.4
27.5		70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5	66.375	70.0
57.5		70.0
63.5		70.0
69.5		70.0
27.5		70.0
33.5		70.0
39.5	72.375	70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5		63.4
69.5		63.5
27.5	78.375	70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5	84.375	63.4
69.5		57.9
27.5		70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5	90.375	70.0
57.5		70.0
63.5		63.4
69.5		70.0
27.5		70.0
33.5		70.0
39.5	96.375	70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5		70.0
69.5		70.0
27.5	102.375	70.0
33.5		70.0
39.5		70.0
45.5		70.0
51.5		70.0
57.5		70.0
63.5	108.375	70.0
69.5		70.0
27.5		50.0
33.5		50.0
39.5		50.0
45.5		50.0
51.5	114.375	50.0
57.5		50.0
63.5		50.0
69.5		50.0
27.5		50.0
33.5		50.0

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

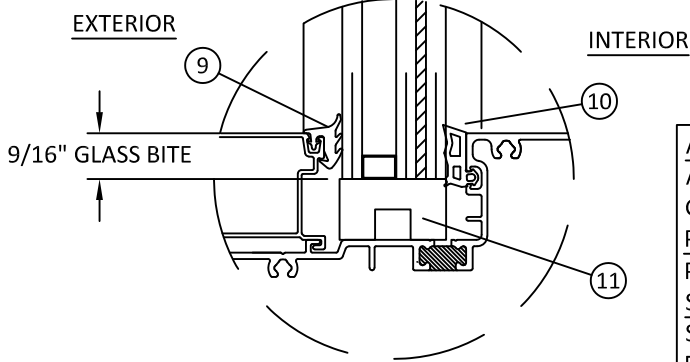
1-5/16" O.A. LAMINATED INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS,
1/2" AIR SPACE,
1/4" HEAT STRENGTHENED GLASS,
0.060" EASTMAN CHEM. CO. SAFLEX PVB,
1/4" HEAT STRENGTHENED GLASS



GLAZING DETAIL B
(DRY GLAZED)

DRY GLAZED GLASS TYPES LARGE & SMALL MISSILE IMPACT

1-5/16" O.A. LAMINATED INSULATED GLASS CONSISTING OF:
1/4" HEAT STRENGTHENED OR TEMPERED GLASS,
1/2" AIR SPACE,
1/4" HEAT STRENGTHENED GLASS,
0.090" SENTRYGLAS BY KURARAY,
FORMERLY KNOWN AS SGP BY DUPONT,
1/4" HEAT STRENGTHENED GLASS

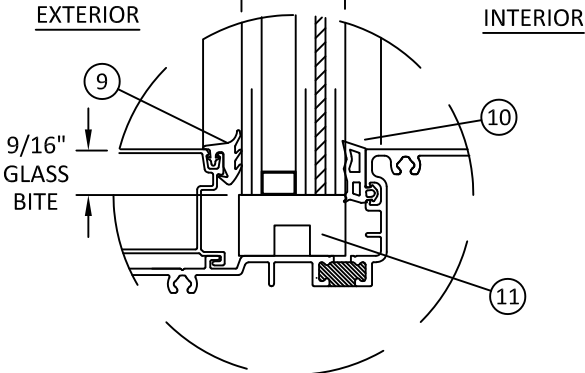


GLAZING DETAIL A
(DRY GLAZED)

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

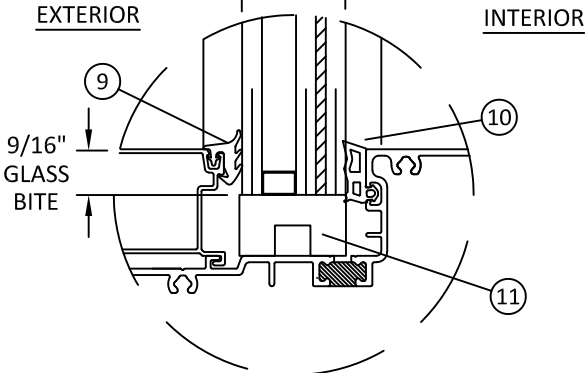
DRY GLAZED GLASS TYPES SMALL MISSILE IMPACT ONLY

1-5/16" O.A. LAMINATED INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS,
1/2" AIR SPACE,
1/4" HEAT STRENGTHENED GLASS,
0.060" TROSIFOL BY KURARAY,
FORMERLY KNOWN AS BUTACITE BY DUPONT,
1/4" HEAT STRENGTHENED GLASS

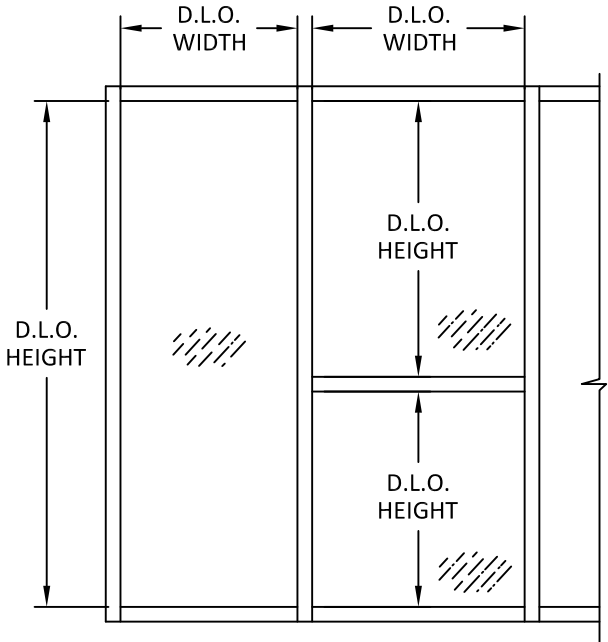


GLAZING DETAIL C
(DRY GLAZED)

1-5/16" O.A. LAMINATED INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS,
1/2" AIR SPACE,
1/4" HEAT STRENGTHENED GLASS,
0.035" SENTRYGLAS BY KURARAY,
FORMERLY KNOWN AS SGP BY DUPONT,
1/4" HEAT STRENGTHENED GLASS



GLAZING DETAIL D
(DRY GLAZED)



- * 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.

Quality inspires™

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DRY GLAZING DETAILS

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SHEET:

3

OF 13

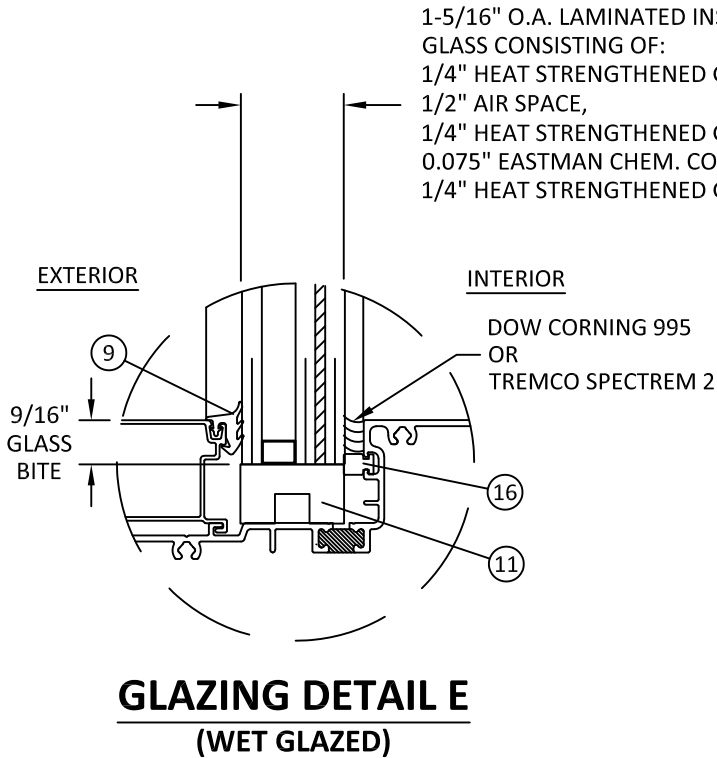
WET GLAZED GLASS TYPES
LARGE & SMALL MISSILE IMPACT

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS. (in)		GLASS TYPE 'E'	GLASS TYPE 'F' & 'G'
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
27.5	54.375	70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5		70.0	44.2
57.5		70.0	44.2
63.5	60.375	70.0	48.7
69.5		68.4	41.8
27.5		70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5		70.0	44.2
57.5		70.0	39.6
63.5	66.375	70.0	39.6
69.5		70.0	43.4
27.5		70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5	72.375	70.0	44.2
57.5		70.0	39.6
63.5		63.4	35.8
69.5		57.9	-
27.5		70.0	50.0
33.5		70.0	50.0
39.5	78.375	70.0	50.0
45.5		70.0	50.0
51.5		70.0	44.2
57.5		70.0	39.6
63.5		63.4	-
69.5		57.9	-
27.5	84.375	70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5		70.0	44.2
57.5		70.0	-
63.5		63.4	-
69.5		57.9	-

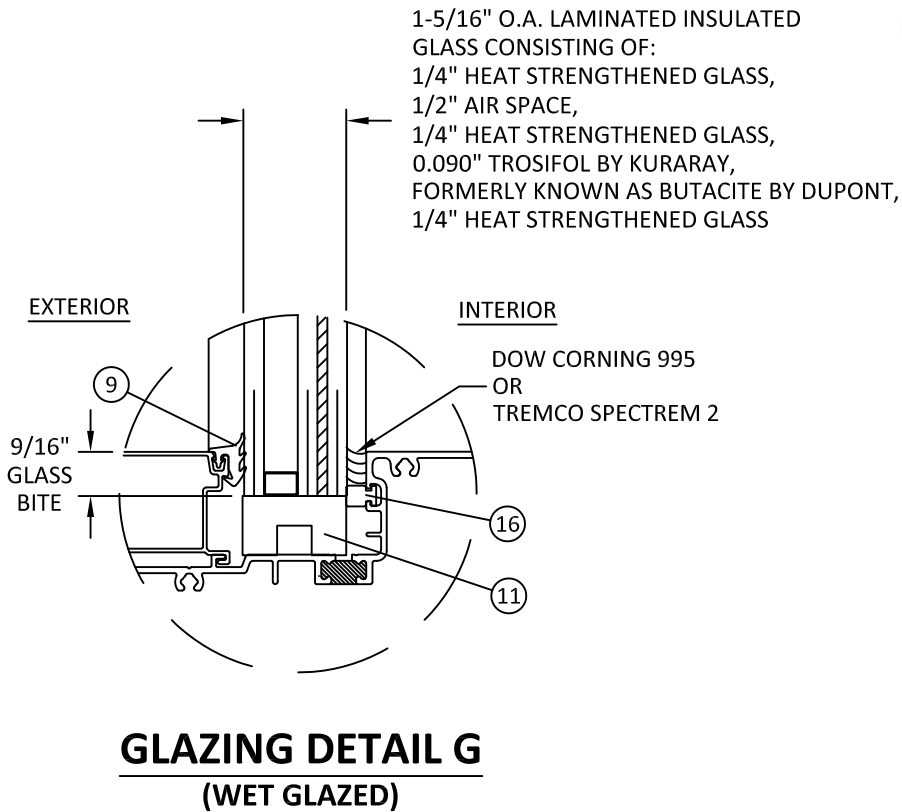
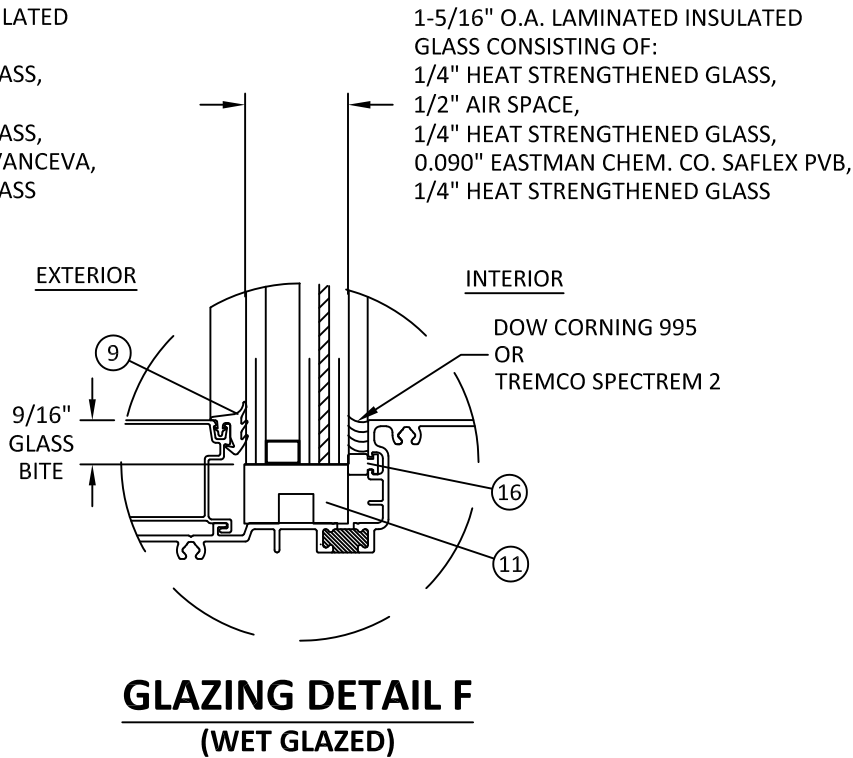
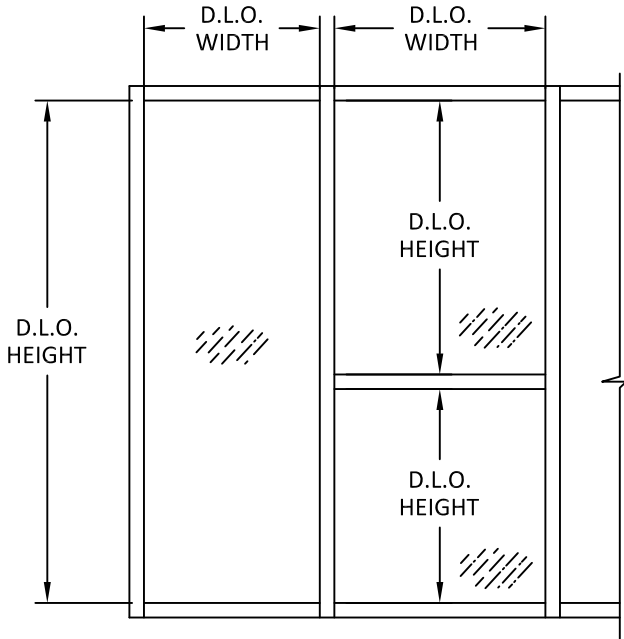
GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS. (in)		GLASS TYPE 'E'	GLASS TYPE 'F' & 'G'
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
27.5	90.375	70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5		70.0	44.2
57.5		70.0	-
63.5	96.375	63.4	-
27.5		70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5		70.0	-
57.5	102.375	70.0	-
27.5		70.0	50.0
33.5		70.0	50.0
39.5		70.0	50.0
45.5		70.0	50.0
51.5		70.0	-
57.5	108.375	70.0	-
27.5		50.0	50.0
33.5		50.0	50.0
39.5		50.0	50.0
45.5		50.0	-
51.5		50.0	-
27.5	114.375	50.0	50.0
33.5		50.0	50.0
39.5		50.0	50.0
45.5		50.0	-

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.



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



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

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

WET GLAZING DETAILS

PREPARED BY:

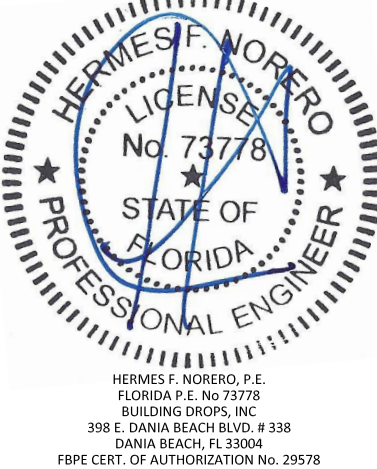
BUILDING DROPS, INC.

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-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17
C-FBC CODE UPDATE	RV	07.12.17

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



HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL14218

DATE: 10.20.15

DWG. BY:
SM

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK161

SHEET:

4

OF 13

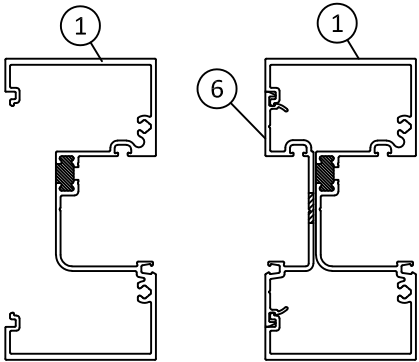
8/21/2020 8:08 PM

s:\projects\ykk ap america, inc\cc-20-0238 fbc submittal - fbc 2020 code change\114218-r9\dwgs\114218-r9\ykk161 rls 50 tu og hvhz.dwg

MULLION LOAD TABLES

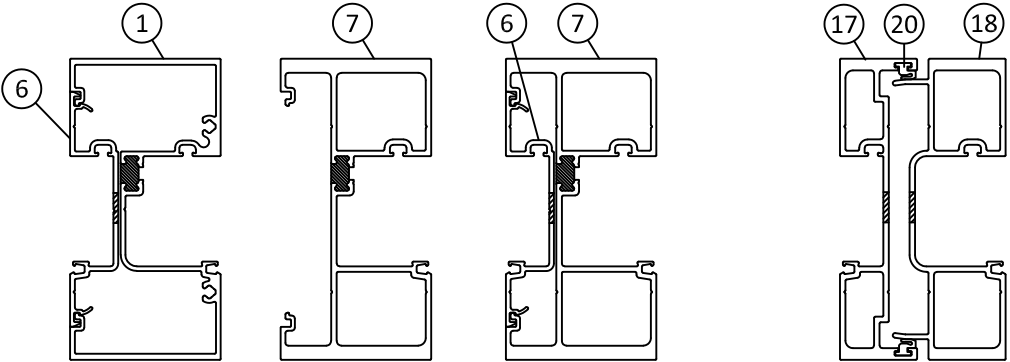
JAMB/MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.	EXP. MULLION
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	60	70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54		70.0	70.0	70.0
60		70.0	70.0	70.0
66		70.0	70.0	70.0
72	66	70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54		70.0	70.0	70.0
60		70.0	70.0	70.0
66		70.0	70.0	70.0
72	72	50.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54		70.0	70.0	70.0
60		70.0	70.0	70.0
66	78	50.0	70.0	70.0
72		50.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54		70.0	70.0	70.0
60	84	50.0	70.0	70.0
66		--	70.0	70.0
72		--	70.0	--
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54	90	50.0	70.0	70.0
60		--	70.0	70.0
66		--	70.0	--
72		--	70.0	--

JAMB/MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.	EXP. MULLION
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	96	70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54		50.0	70.0	70.0
60		--	70.0	70.0
66		--	70.0	--
30	102	70.0	70.0	70.0
36		70.0	70.0	70.0
42		66.7	70.0	70.0
48		50.0	70.0	70.0
54		--	70.0	70.0
60		--	70.0	--
30	108	70.0	70.0	70.0
36		65.6	70.0	70.0
42		56.2	70.0	70.0
48		50.0	70.0	70.0
54		--	70.0	70.0
60		--	70.0	--
30	114	--	50.0	50.0
36		--	50.0	50.0
42		--	50.0	50.0
48		--	50.0	50.0
54		--	50.0	50.0
30	120	--	50.0	50.0
36		--	50.0	50.0
42		--	50.0	50.0
48		--	50.0	50.0
54		--	50.0	50.0



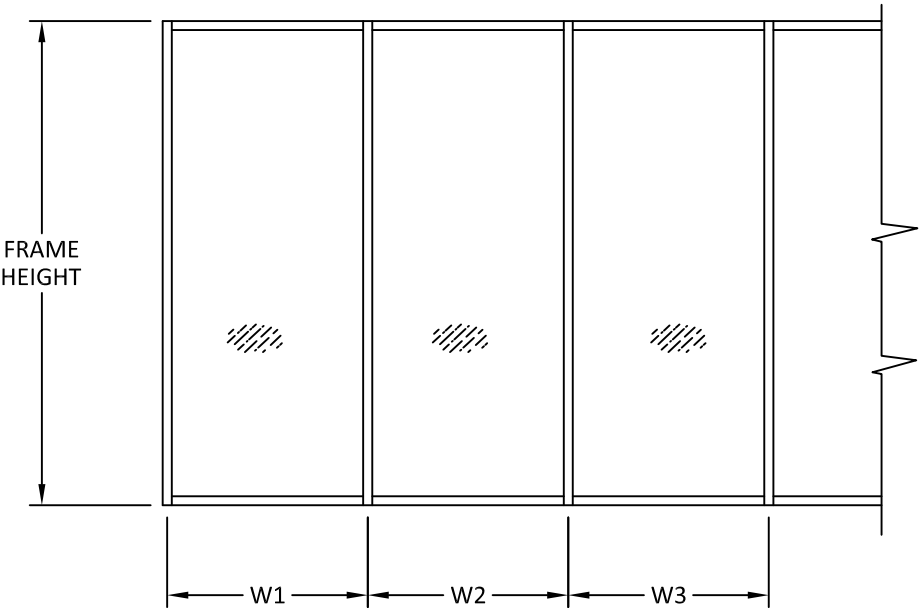
JAMB MULLION

STD. CONFIGURATION



JAMB JAMB MULLION

EXPANSION MULLION



WIDTH (W) = W1 (JAMB)

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



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

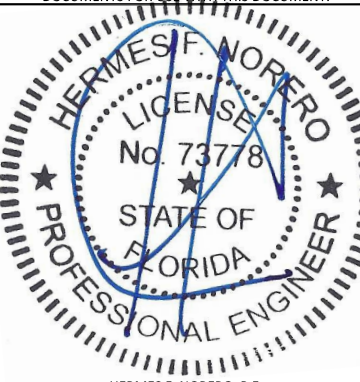
TITLE:
YHS 50 TU ALUMINUM STOREFRONT
SYSTEM - OUTSIDE GLAZED
(HVHZ) (IMPACT)

MULLION TABLES

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-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17

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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL14218
DATE:	10.20.15
DWG. BY:	CHK. BY:
SM	HFN
SCALE:	NTS
DWG. #:	YKK161
SHEET:	5

OF 13

ANCHOR TYPE 'A & B' TABLES

ANCHOR LOAD CAPACITY - PSF					
EXT. (+) & INT. (-)					
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3
30.0	60.0	70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		70.0	70.0	70.0	70.0
48.0		70.0	70.0	70.0	70.0
54.0		70.0	70.0	70.0	70.0
60.0		70.0	70.0	70.0	70.0
66.0	66.0	70.0	70.0	70.0	70.0
72.0		70.0	70.0	70.0	70.0
30.0		70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		70.0	70.0	70.0	70.0
48.0		70.0	70.0	70.0	70.0
54.0	72.0	70.0	70.0	70.0	70.0
60.0		70.0	70.0	70.0	70.0
66.0		70.0	70.0	70.0	70.0
72.0		65.7	70.0	70.0	70.0
30.0		70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0	78.0	70.0	70.0	70.0	70.0
48.0		70.0	70.0	70.0	70.0
54.0		70.0	70.0	70.0	70.0
60.0		66.7	70.0	70.0	70.0
66.0		60.6	70.0	70.0	70.0
72.0		55.6	70.0	70.0	70.0
30.0	84.0	70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		70.0	70.0	70.0	70.0
48.0		70.0	70.0	70.0	70.0
54.0		68.8	70.0	70.0	70.0
60.0		61.9	70.0	70.0	70.0
66.0		56.3	70.0	70.0	70.0
72.0		51.6	70.0	70.0	70.0

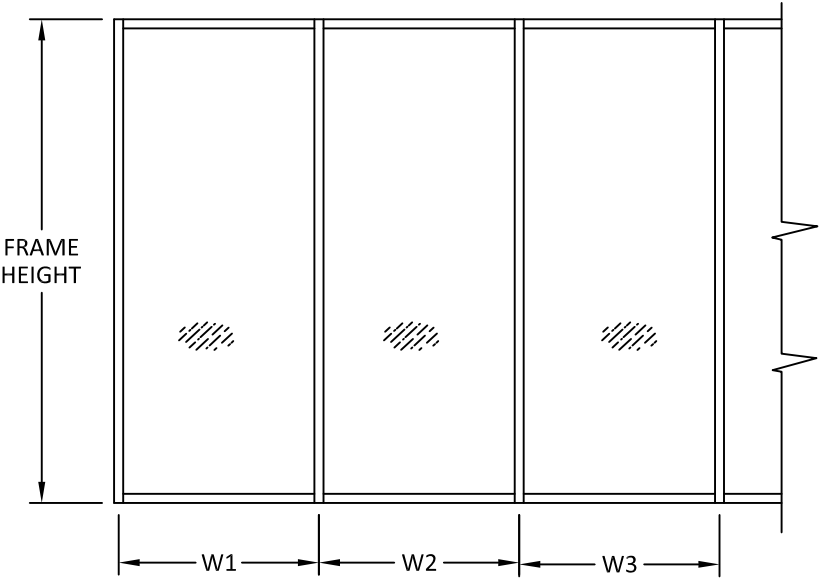
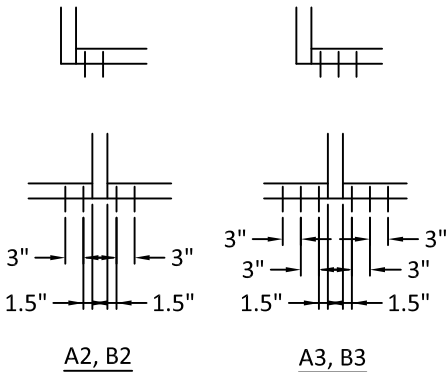
ANCHOR LOAD CAPACITY - PSF					
EXT. (+) & INT. (-)					
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3
30.0	90.0	70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		70.0	70.0	70.0	70.0
48.0		70.0	70.0	70.0	70.0
54.0		64.2	70.0	70.0	70.0
60.0		57.8	70.0	70.0	70.0
66.0	96.0	52.6	70.0	70.0	70.0
72.0		48.2	70.0	68.1	70.0
30.0		70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		70.0	70.0	70.0	70.0
48.0		67.8	70.0	70.0	70.0
54.0	102.0	60.2	70.0	70.0	70.0
60.0		54.2	70.0	70.0	70.0
66.0		49.3	70.0	69.7	70.0
30.0		70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		70.0	70.0	70.0	70.0
48.0	108.0	63.8	70.0	70.0	70.0
54.0		56.7	70.0	70.0	70.0
60.0		51.0	70.0	70.0	70.0
30.0		70.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0	70.0
42.0		68.8	70.0	70.0	70.0
48.0	114.0	60.2	70.0	70.0	70.0
54.0		53.5	70.0	70.0	70.0
60.0		48.2	70.0	68.1	70.0
30.0		50.0	50.0	50.0	50.0
36.0		50.0	50.0	50.0	50.0
42.0		50.0	50.0	50.0	50.0
48.0	120.0	50.0	50.0	50.0	50.0
54.0		50.0	50.0	50.0	50.0
30.0		50.0	50.0	50.0	50.0
36.0		50.0	50.0	50.0	50.0
42.0		50.0	50.0	50.0	50.0
48.0		50.0	50.0	50.0	50.0
54.0		48.2	50.0	50.0	50.0

ANCHORS TYPES: SEE SHEET 10 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION

B2 = (2) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION



WIDTH (W) = W1 (JAMB)

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



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

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

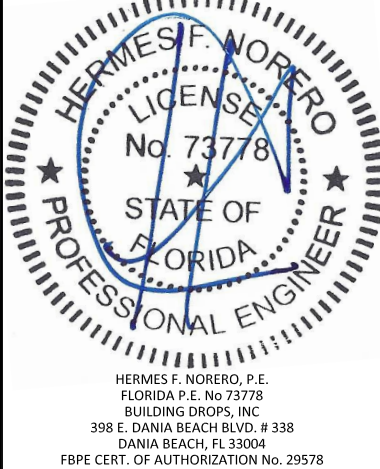
TYPE A & B ANCHOR TABLES

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-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17

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FL #:	FL14218
DATE:	10.20.15
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK161
SHEET:	6

ANCHOR TYPE 'C, D & E' TABLES

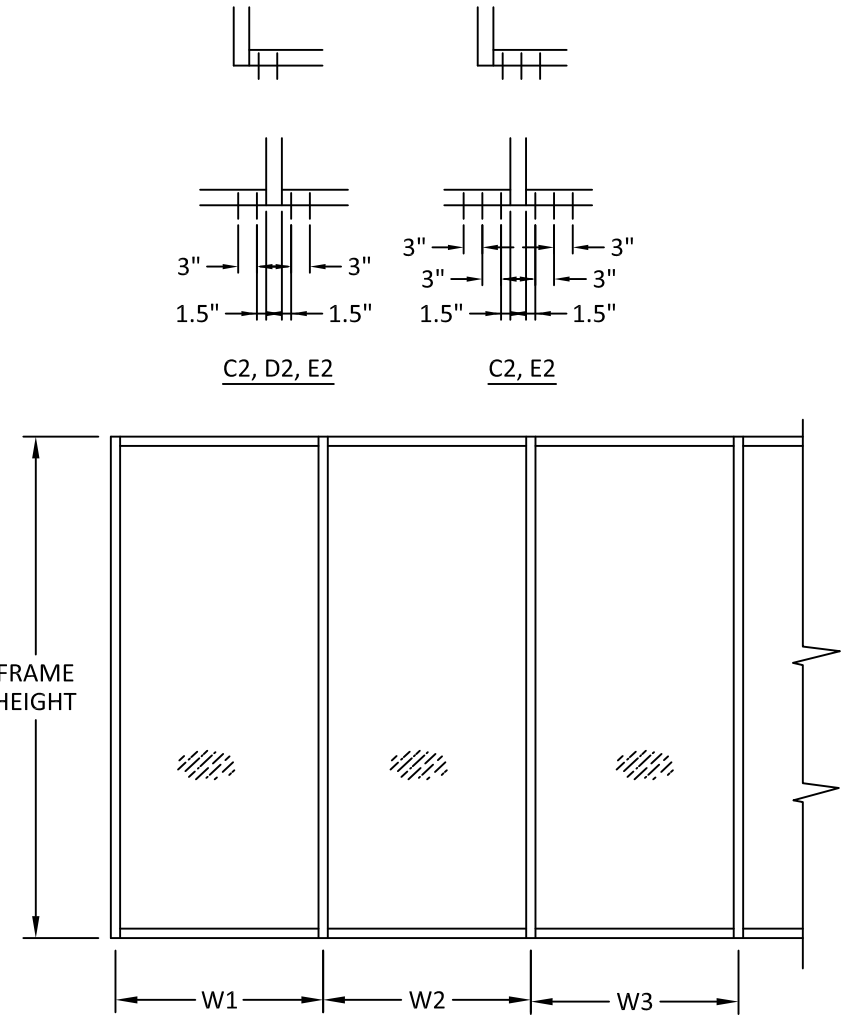
ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'/'E'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2/E2	C3/E3	D2
30.0	60.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		70.0	70.0	70.0
60.0		70.0	70.0	70.0
66.0		70.0	70.0	70.0
72.0		70.0	70.0	70.0
30.0	66.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		70.0	70.0	70.0
60.0		70.0	70.0	70.0
66.0		70.0	70.0	70.0
72.0		70.0	70.0	70.0
30.0	72.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		70.0	70.0	70.0
60.0		70.0	70.0	70.0
66.0		70.0	70.0	70.0
72.0		64.2	70.0	70.0
30.0	78.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		70.0	70.0	70.0
60.0		70.0	70.0	70.0
66.0		64.6	70.0	70.0
72.0		59.2	70.0	70.0
30.0	84.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		70.0	70.0	70.0
60.0		66.0	70.0	70.0
66.0		60.0	70.0	70.0
72.0		55.0	70.0	70.0

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'/'E'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2/E2	C3/E3	D2
30.0	90.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		68.4	70.0	70.0
60.0		61.6	70.0	70.0
66.0		56.0	70.0	70.0
72.0		51.3	70.0	70.0
30.0	96.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		70.0	70.0	70.0
54.0		64.2	70.0	70.0
60.0		57.7	70.0	70.0
66.0		52.5	70.0	70.0
72.0		70.0	70.0	70.0
30.0	102.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		67.9	70.0	70.0
54.0		60.4	70.0	70.0
60.0		54.3	70.0	70.0
66.0		70.0	70.0	70.0
72.0		70.0	70.0	70.0
30.0	108.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		70.0	70.0	70.0
48.0		64.2	70.0	70.0
54.0		57.0	70.0	70.0
60.0		51.3	70.0	70.0
66.0		70.0	70.0	70.0
72.0		70.0	70.0	70.0
30.0	114.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		69.5	70.0	70.0
48.0		60.8	70.0	70.0
54.0		54.0	70.0	70.0
60.0		70.0	70.0	70.0
66.0		70.0	70.0	70.0
72.0		66.0	70.0	70.0
30.0	120.0	70.0	70.0	70.0
36.0		70.0	70.0	70.0
42.0		66.0	70.0	70.0
48.0		57.7	70.0	70.0
54.0		51.3	70.0	70.0
60.0		70.0	70.0	70.0
66.0		70.0	70.0	70.0
72.0		70.0	70.0	70.0

ANCHORS TYPES: SEE SHEET 10 FOR DESCRIPTION

- C2 = (2) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION
C3 = (3) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION
D2 = (2) ANCHORS TYPE 'D' AT JAMB OR EACH SIDE OF MULLION
E2 = (2) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION
E3 = (3) ANCHORS TYPE 'E' AT JAMB OR EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION



WIDTH (W) = W1 (JAMB)

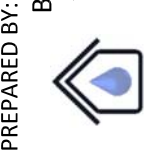
WIDTH (W) = $\frac{W2 + W3}{2}$ (MULLION)



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

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

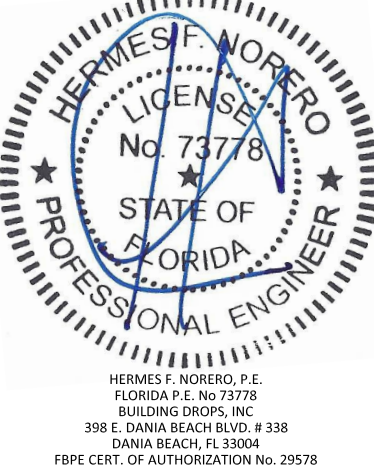
TYPE C, D & E ANCHOR TABLES



PREPARED BY:
BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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REMARKS	BY	DATE
A-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17

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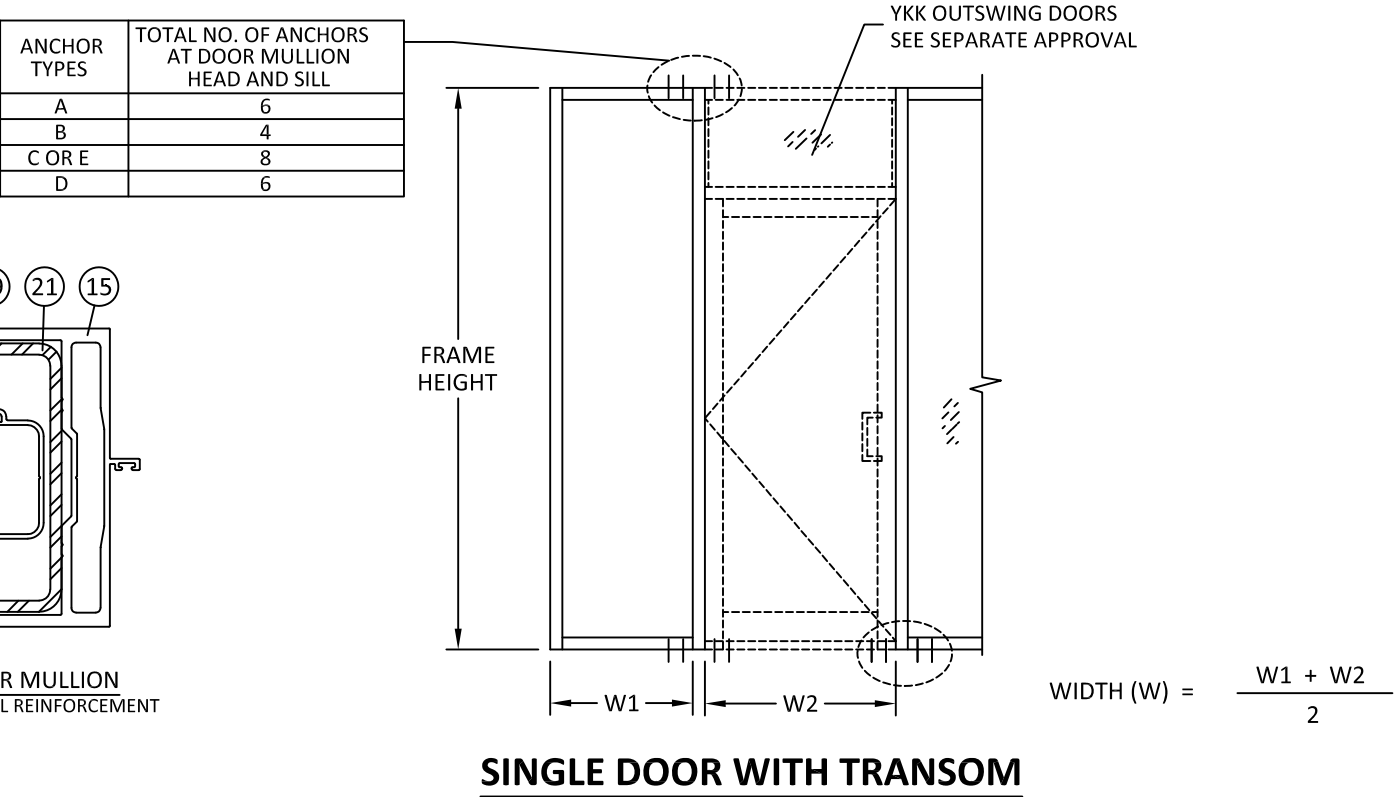
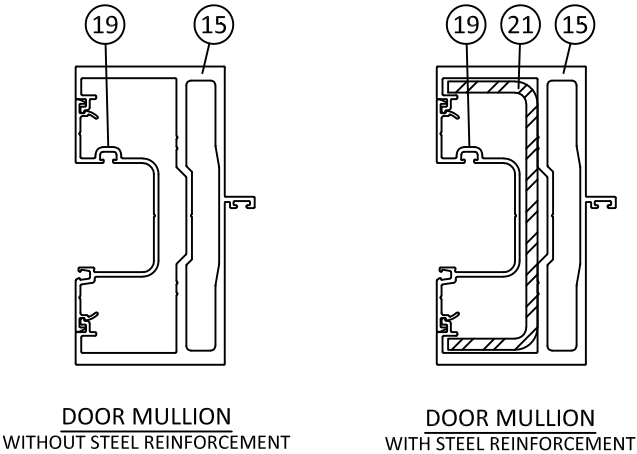
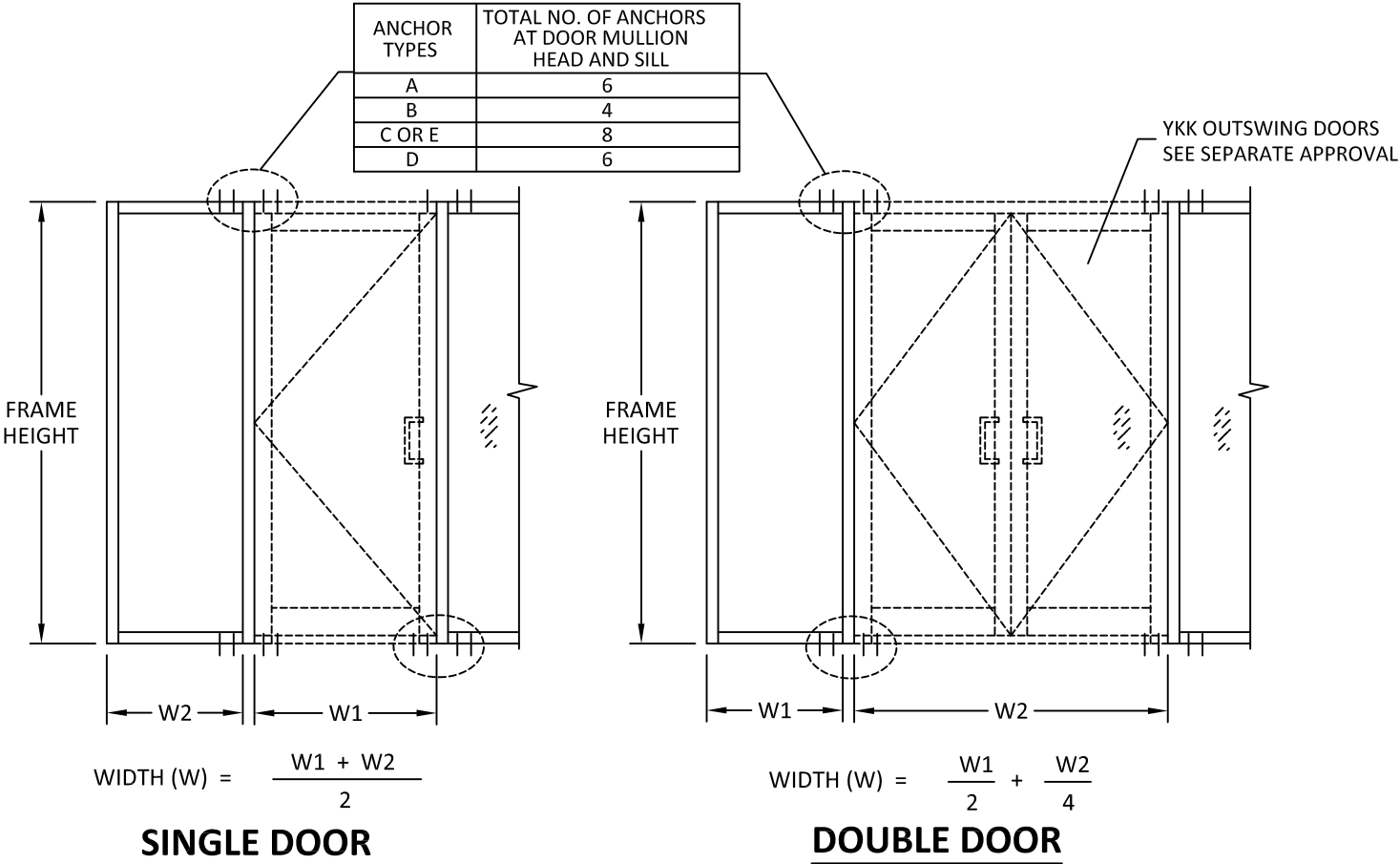
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DATE:	10.20.15
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK161
SHEET:	7

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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



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

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

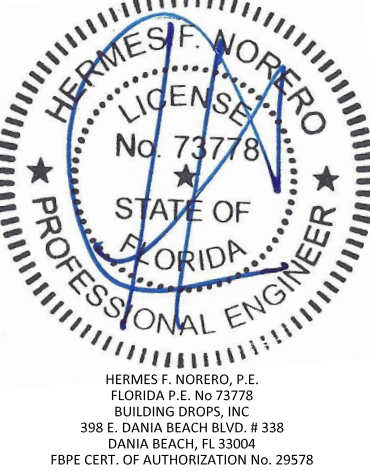
DOOR MULLION TABLE

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-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17

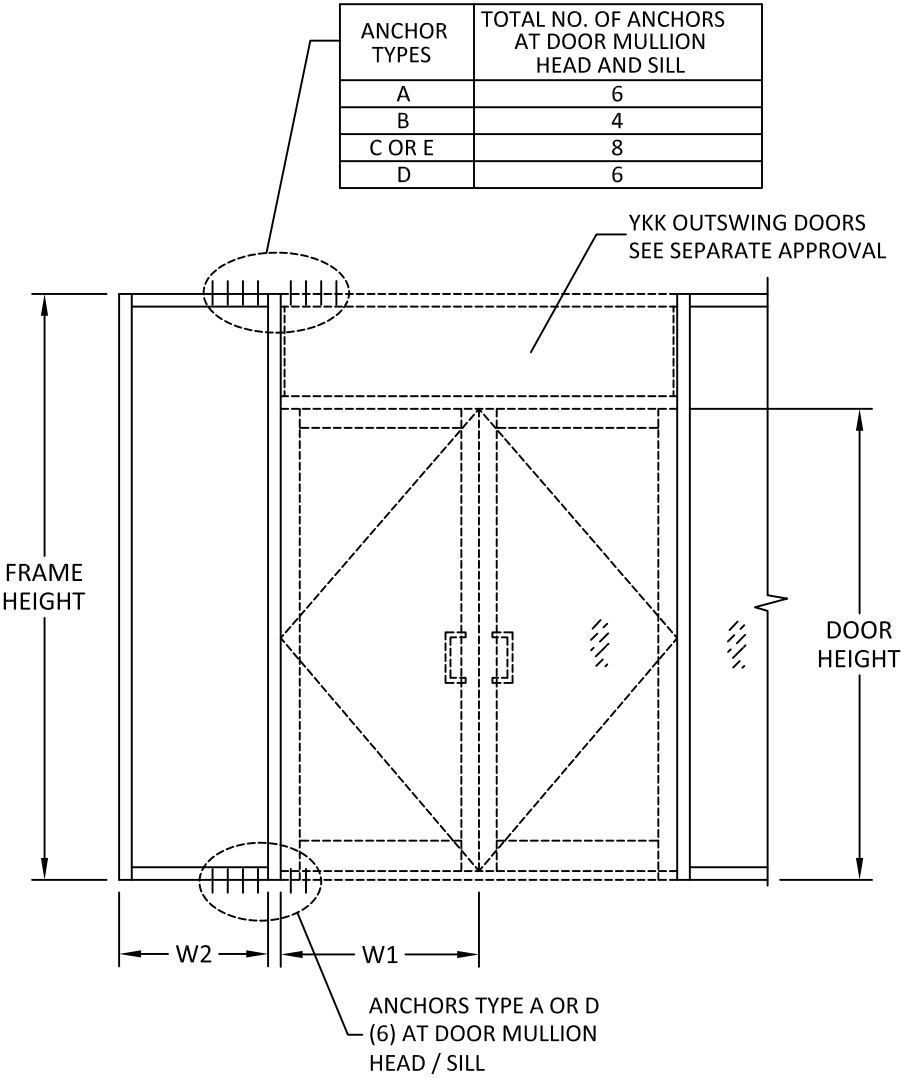
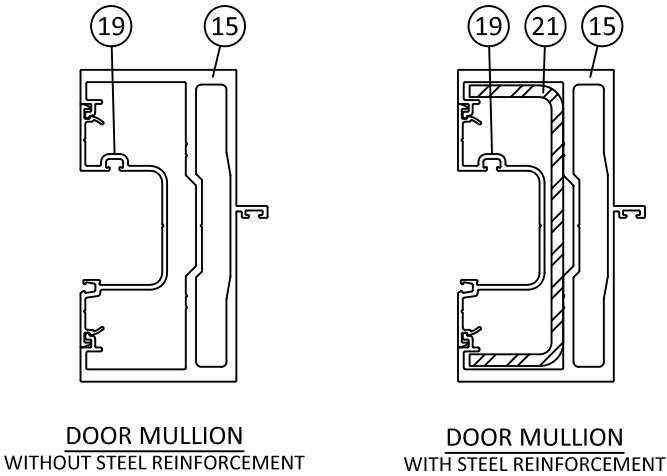
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DWG. #:	YKK161
SHEET:	8

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



DOUBLE DOOR WITH TRANSOM



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

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

DOOR MULLION TABLES (1)

PREPARED BY:

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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-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17

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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL14218

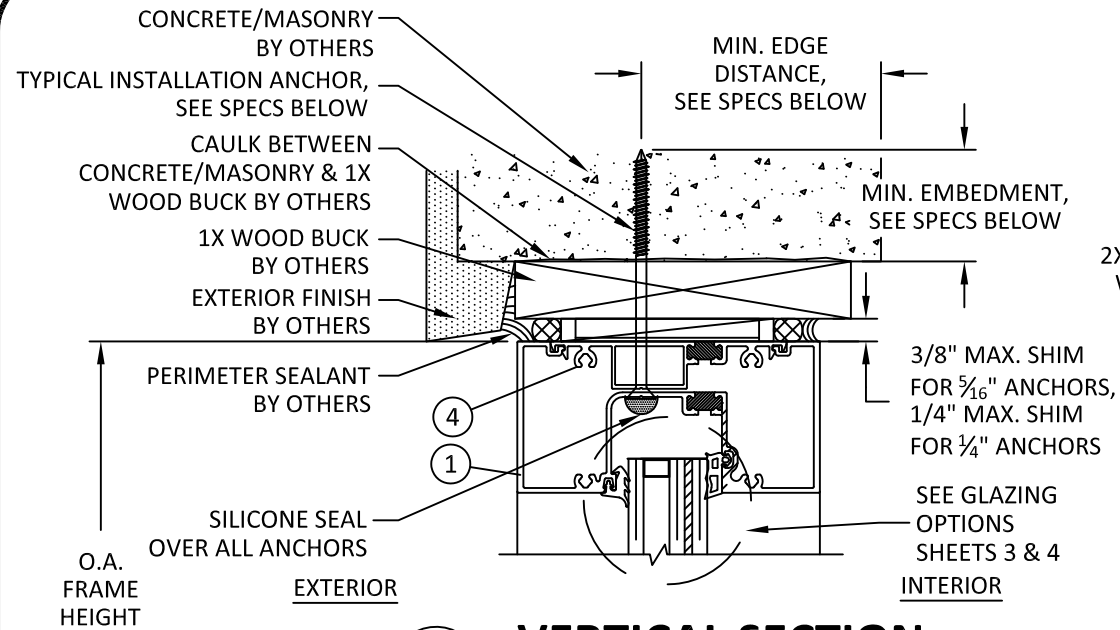
DATE: **10.20.15**

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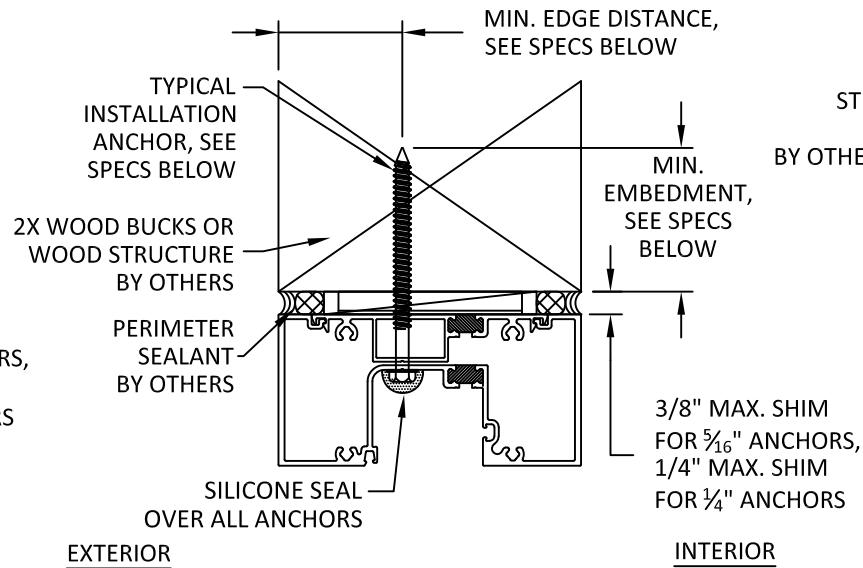
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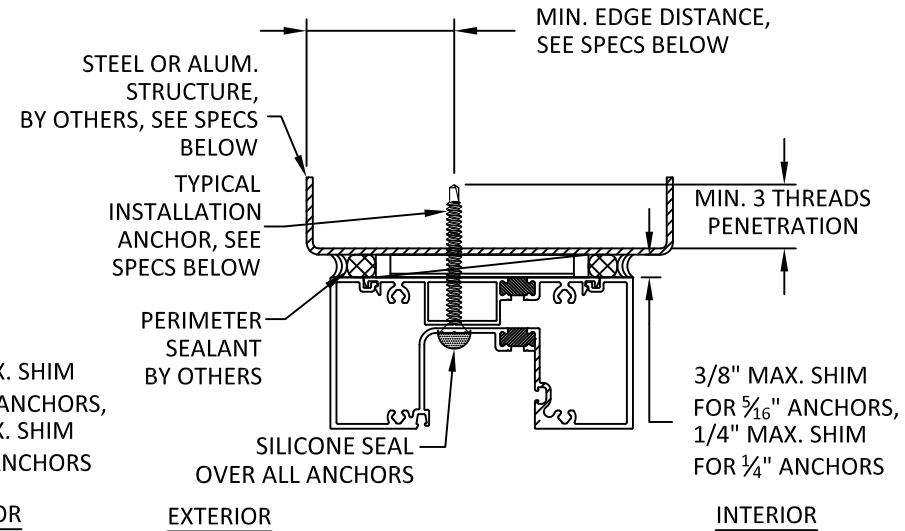
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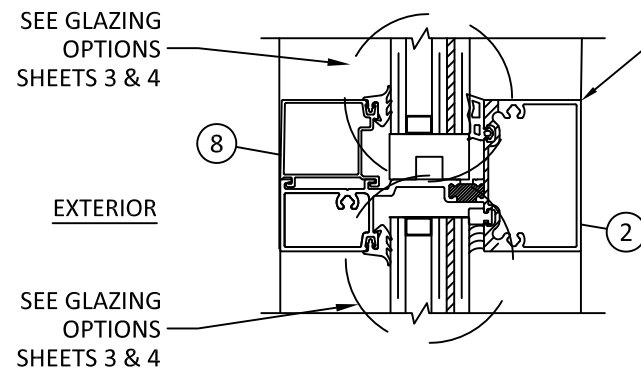
A
10 VERTICAL SECTION
HEAD - CONCRETE/MASONRY W/ 1X BUCK



D
10 VERTICAL SECTION
HEAD - WOOD FRAMING
TYPICAL INSTALLATION



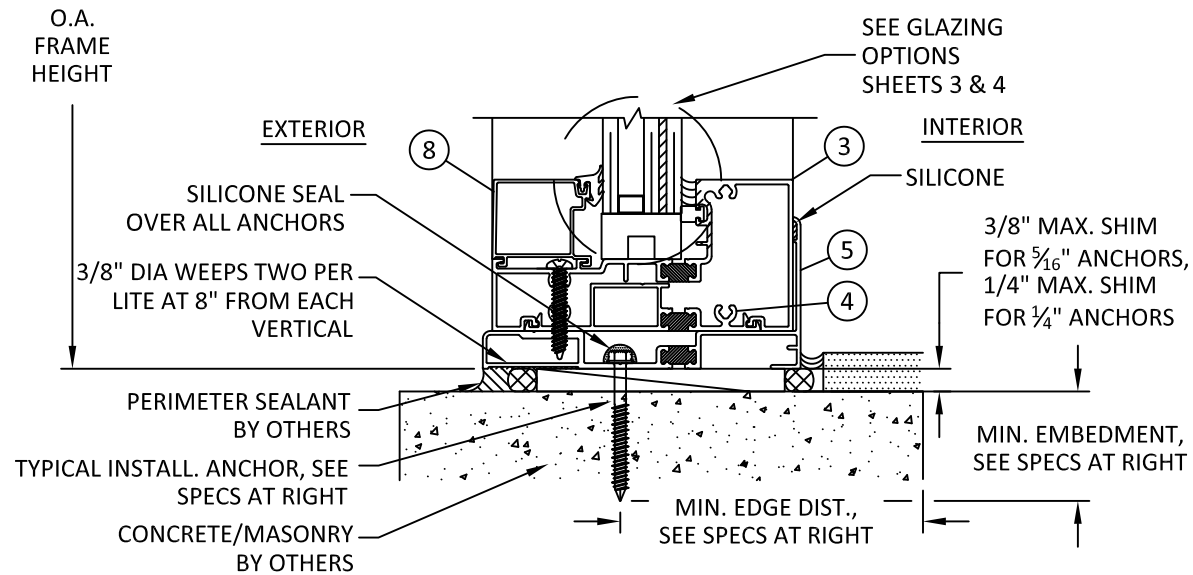
E
10 VERTICAL SECTION
HEAD - METAL SUBSTRATE
TYPICAL INSTALLATION



B
10 VERTICAL SECTION
HORIZONTAL MEMBER

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
60"	54"	70 PSF
60"	84"	54 PSF

DESIGN LOADS SHOWN ABOVE ARE BASED ON MAX. GLASS AREA ABOVE HORIZONTAL FOR SMALLER GLASS ABOVE HORIZONTAL DESIGN LOADS TO BE CALCULATED SEPARATELY.



C
10 VERTICAL SECTION
SILL - DIRECT TO CONCRETE/MASONRY

YHS 50 TU ANCHOR TYPES					
ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	NOTES
A	5/16" DIA. TAPCON BY ITW (Fu=125 KSI, Fy=100 KSI)	CONCRETE AT HEAD, SILL OR JAMBS F'C = 3000 PSI MIN.	1-3/4"	3"	FOR USE THROUGH OPTIONAL 1X BUCKS, BY OTHERS
	OR 5/16" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M = 2000 PSI MIN.	1"	3"	
	5/16" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	MIN. S.G. = 0.55 WOOD	1-1/2"	1"	--
B	5/16" DIA. SELF-DRILLING SCREWS (GRADE 5)	STEEL: 12 GA. MIN., Fy=36 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	THREE THREADS PENETRATION PAST METAL STRUCTURE	3/4"	STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED
C	1/4" DIA. TAPCON BY ITW (Fu=125 KSI, Fy=100 KSI)	CONCRETE AT HEAD, SILL OR JAMBS F'C = 3000 PSI MIN.	1-3/4"	2-1/2"	FOR USE THROUGH OPTIONAL 1X BUCKS, BY OTHERS
	OR 1/4" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M = 2000 PSI MIN.	1-3/4"	2-1/2"	
	1/4" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	MIN. S.G. = 0.55 WOOD	1-1/2"	1"	--
D	1/4" DIA. SELF-DRILLING SCREWS	STEEL: 12 GA. MIN., Fy=36 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"	STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED
E	1/4" DIA. SELF-DRILLING SCREWS	18 GA. MIN. STEEL STUD, Fy = 33 KSI MIN. WITH WOOD BACKING	1-1/2" IN WOOD	1" IN WOOD	--

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

VERTICAL SECTIONS & ANCHOR DESCRIPTIONS

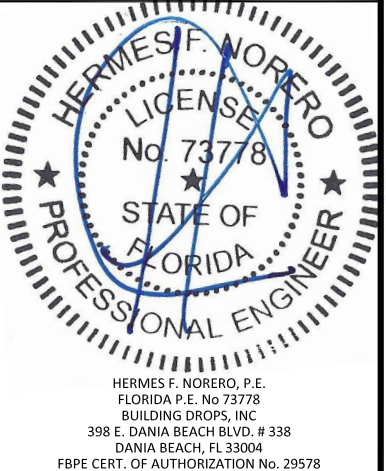
PREPARED BY: BUILDING DROPS, INC.

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DANIA BEACH, FL 33004
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REMARKS	BY	DATE
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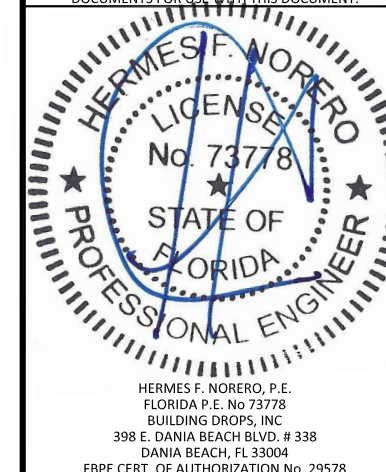
HORIZONTAL SECTIONS (continued)

UILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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CHK. BY:
HFN

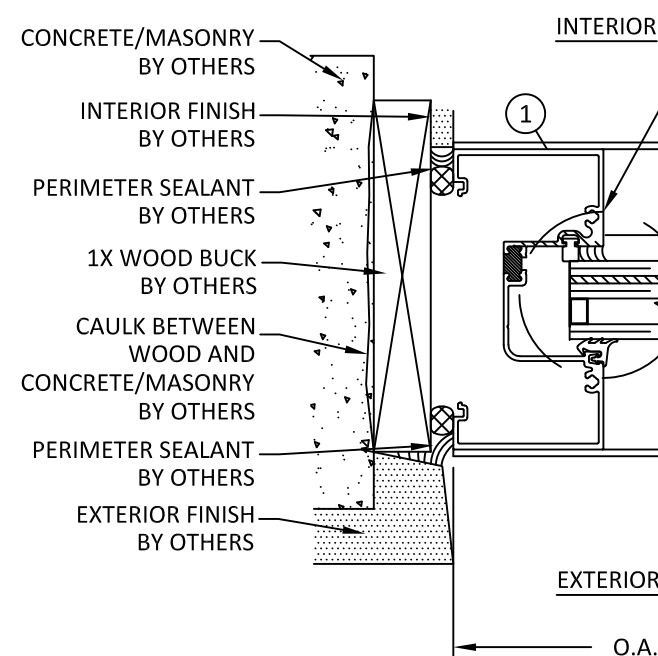
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DWG. #: YKK161

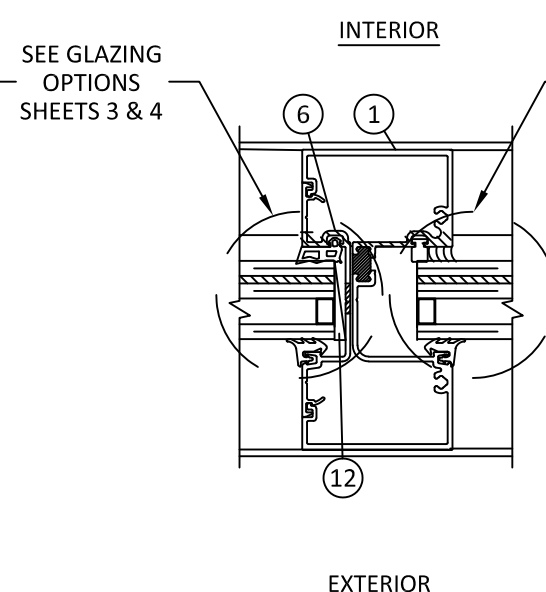
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OF 13

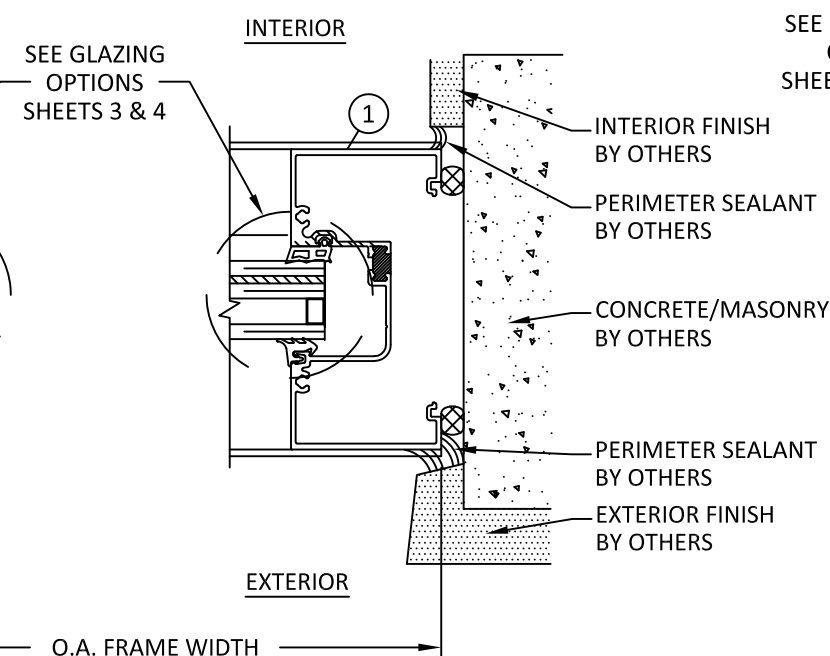


F HORIZONTAL SECTION
11 JAMB - CONCRETE/MASONRY W/ 1X BUCK
 STANDARD CONFIGURATION

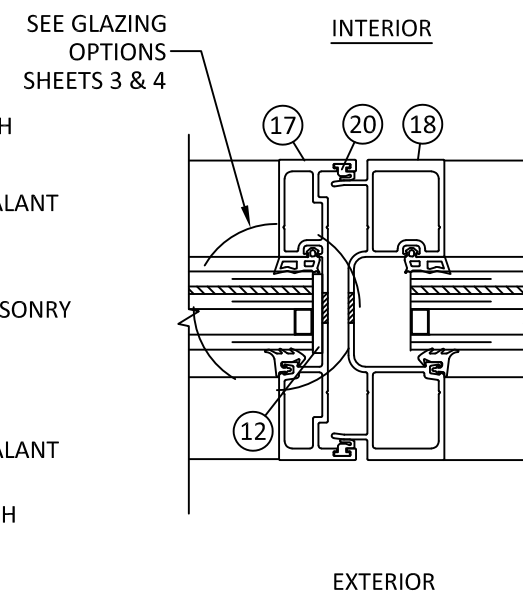


G HORIZONTAL SECTION

11 VERTICAL MULLION
STANDARD CONFIGURATION

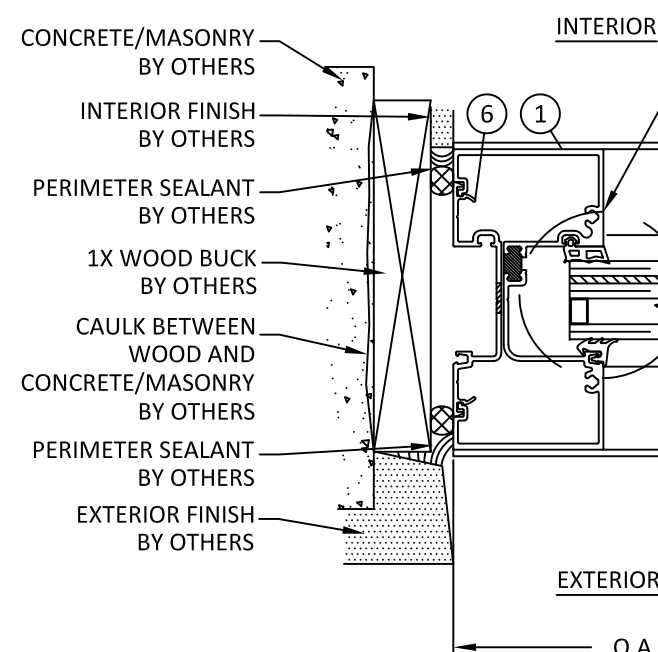


HORIZONTAL SECTION



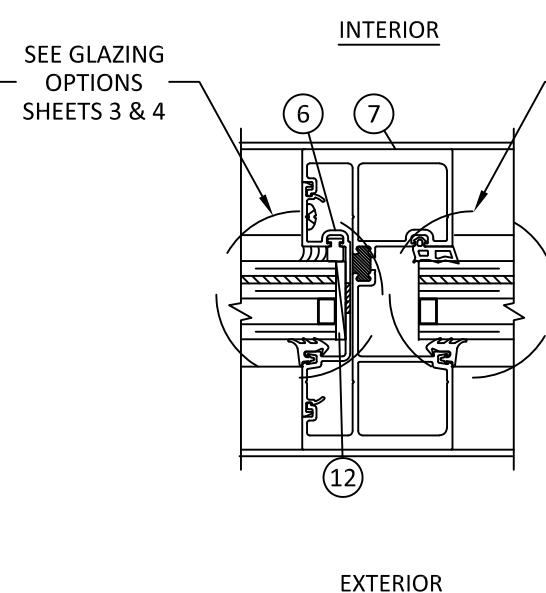
HORIZONTAL SECTION

VERTICAL EXPANSION MULLION

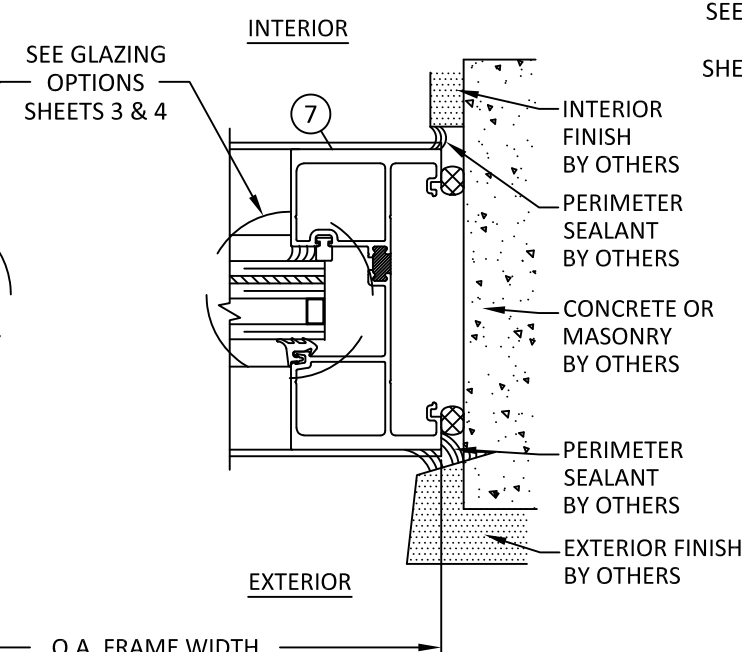


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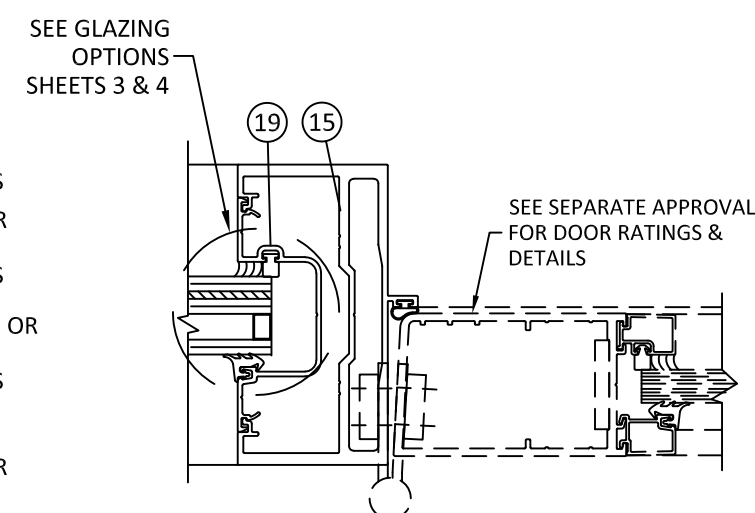
11 JAMB - CONCRETE/MASONRY W/ 1X BUCK HEAVY CONFIGURATION



K11 HORIZONTAL SECTION



HORIZONTAL SECTION



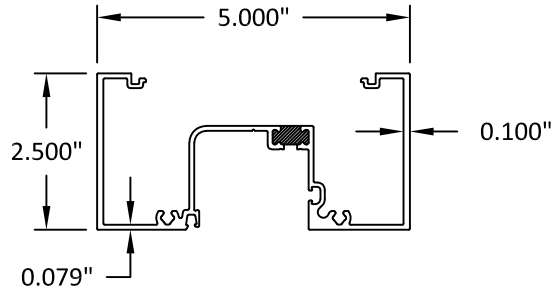
M HORIZONTAL SECTION

11 DOOR JAMB MULLION

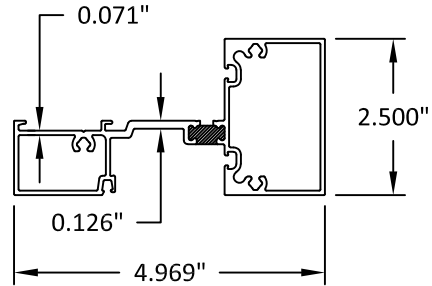
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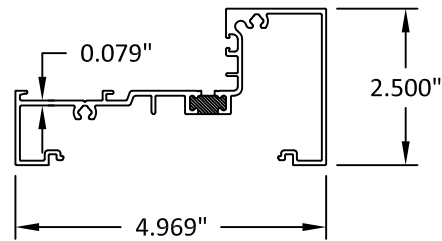
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2	BE9-0683	HORIZONTAL	6063-T5
3	BE9-0682	SILL	6063-T5
4	E1-1060	ANCHOR FILLER	6063-T5
5	BE9-0687	SILL FLASHING	6063-T5
6	BE9-0655	SHALLOW POCKET FILLER	6063-T5
7	BE9-0684	HEAVY DUTY VERTICAL	6063-T5
8	E9-0658	GLASS STOP	6063-T5
9	E2-0083	EXTERIOR GLAZING GASKET	EPDM
10	E2-0088	INTERIOR GLAZING GASKET	EPDM
11	E2-0095	SETTING BLOCK	EPDM (85±5)
12	E2-0096	SIDE BLOCK	EPDM
13	PC-1220	#12 x 1-1/4" PHSMS Type AB	ZINC PLATED STEEL
14	PC-1424	#14 x 1-1/2" PHSMS Type AB	ZINC PLATED STEEL
15	E9-0504	DOOR JAMB O/P	6063-T6
16	E2-0084	INTERIOR SILICONE SPACER	SILICONE
17	BE9-0688	EXPANSION MULLION (FEMALE)	6063-T6
18	BE9-0689	EXPANSION MULLION (MALE)	6063-T6
19	E9-0656	DEEP POCKET FILLER	6063-T5
20	K2-2441	WEATHERING GASKET	EPDM
21	E1-1062	STEEL CHANNEL (1-1/2" X 4-1/2" X 3/16")	A36 STEEL



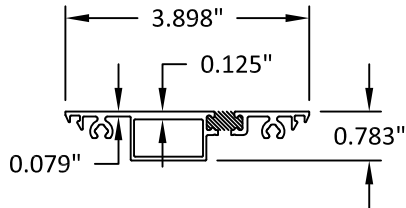
1 HEAD/JAMB/VERTICAL



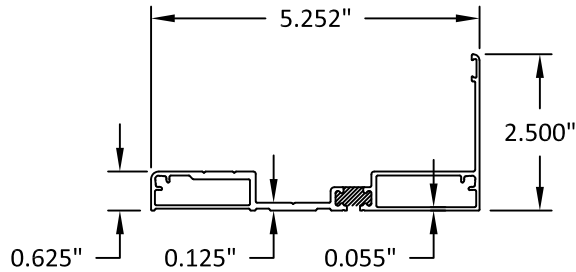
2 HORIZONTAL



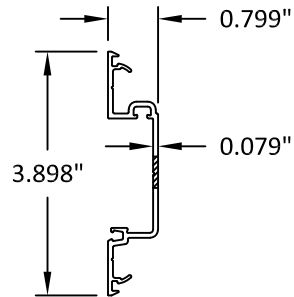
3 SILL



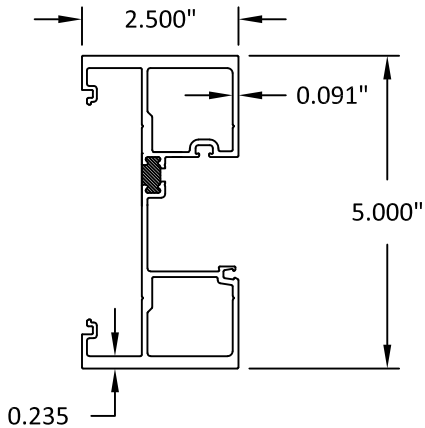
4 ANCHOR FILLER



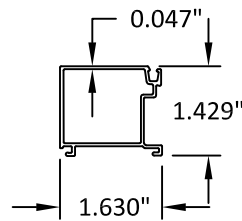
5 SILL FLASHING



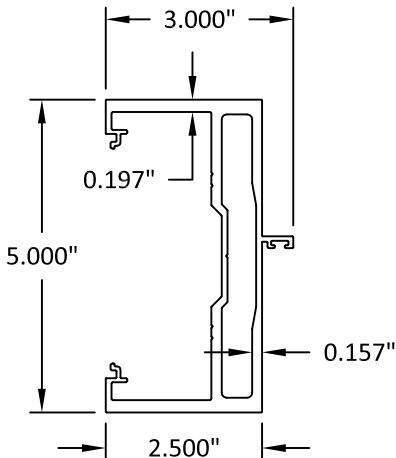
6 SHALLOW POCKET FILLER



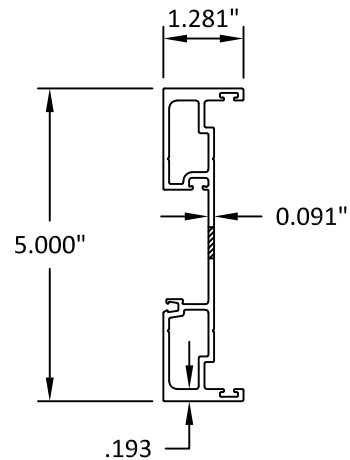
7 HEAVY DUTY VERTICAL



8 GLASS STOP



15 DOOR MULLION O/P



17 EXPANSION MULLION (FEMALE)



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

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

COMPONENTS & BILL OF MATERIALS

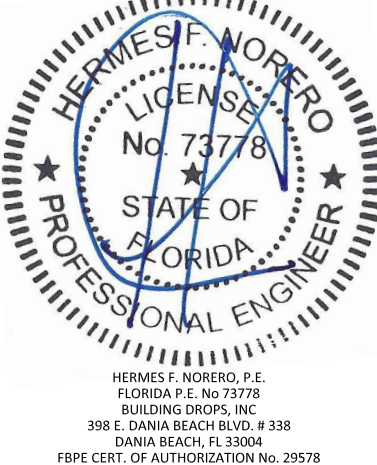
PREPARED BY:

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REMARKS	BY	DATE
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B-10' HEIGHT ADDITION	LS	04.12.17

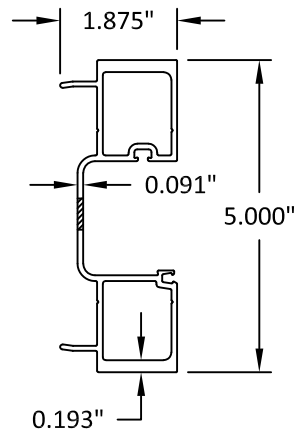
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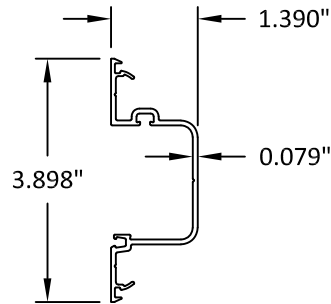
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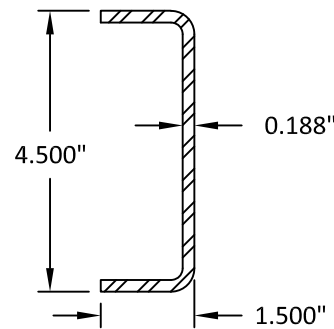
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18 EXPANSION MULLION (MALE)



19 DEEP POCKET FILLER



21 DOOR MULLION REINFORCEMENT



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

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

COMPONENTS

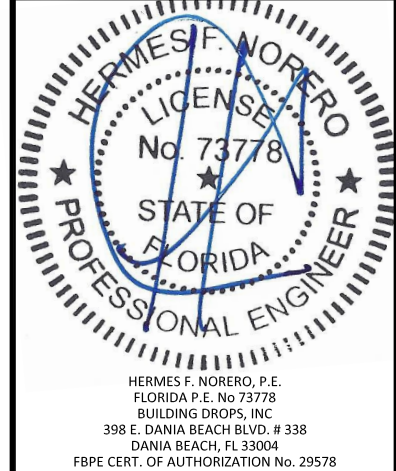
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

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



REMARKS	BY	DATE
A-GASKET REVISION	LS	10.19.16
B-10' HEIGHT ADDITION	LS	04.12.17

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: 10.20.15	
DWG. BY: SM	CHK. BY: HFN
SCALE: NTS	
DWG. #: YKK161	
SHEET:	
13	
OF 13	