

YKK AP America, Inc.

YHW 60 TU WINDOW WALL SYSTEM

(WZ3) (IMPACT)

INSTALLATION NOTES:

- SEE SHEETS 7-10 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. SEE SHEETS 7-10 FOR ANCHOR INFORMATION.
- 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 E1886-13
 - ASTM E1996-14
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- 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 IN WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
- 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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INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG, HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- SEE CHARTS ON SHEET 3 & 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 5 & 6 FOR STORE FRONT MULLION AND SHEETS 11 & 12 FOR DOOR MULLION, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- USING CHART ON SHEET 7 THRU 10 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:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (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

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.

Digitally signed by Hermes F. Norero
Reason: I am approving this document
Date: 2020.09.23 10:11:53 -0700

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 #:
FL24567

DATE: **12.08.17**

DWG. BY: RV	CHK. BY: HFN
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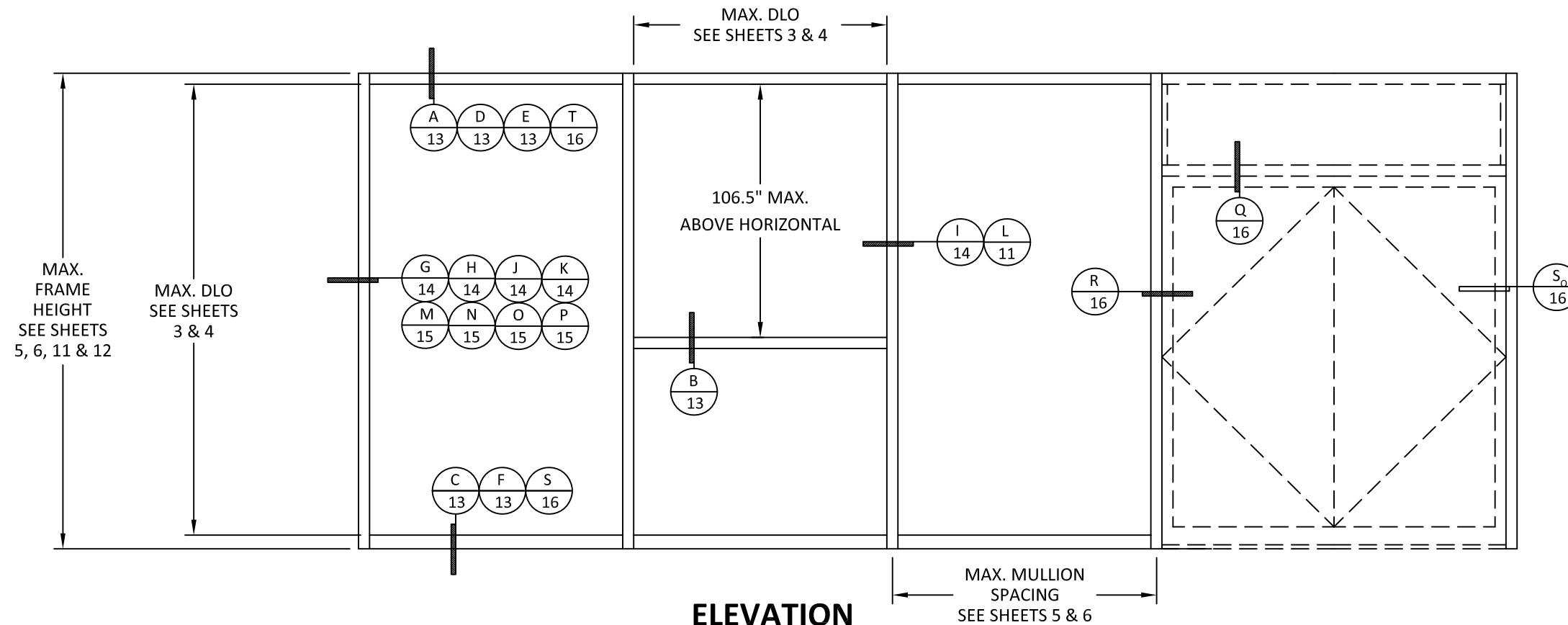
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DWG. #: **YKK255**

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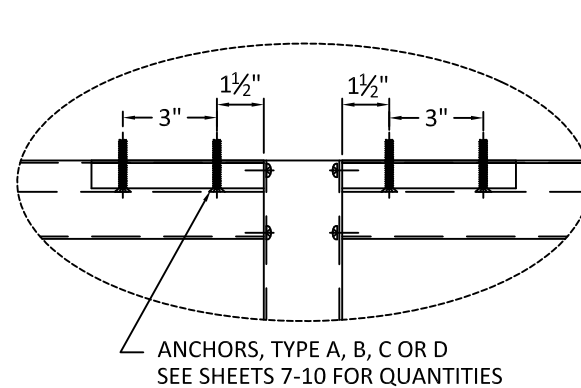
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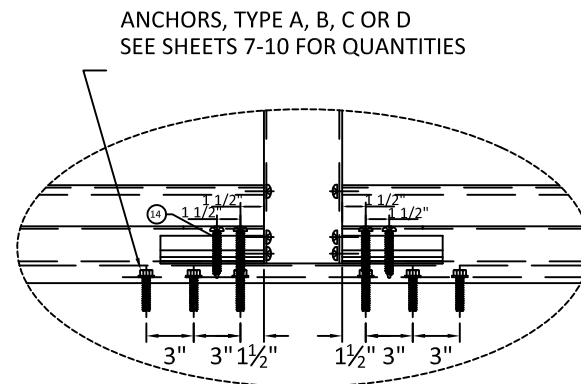


ELEVATION
TYPICAL YHW 60 TU STOREFRONT

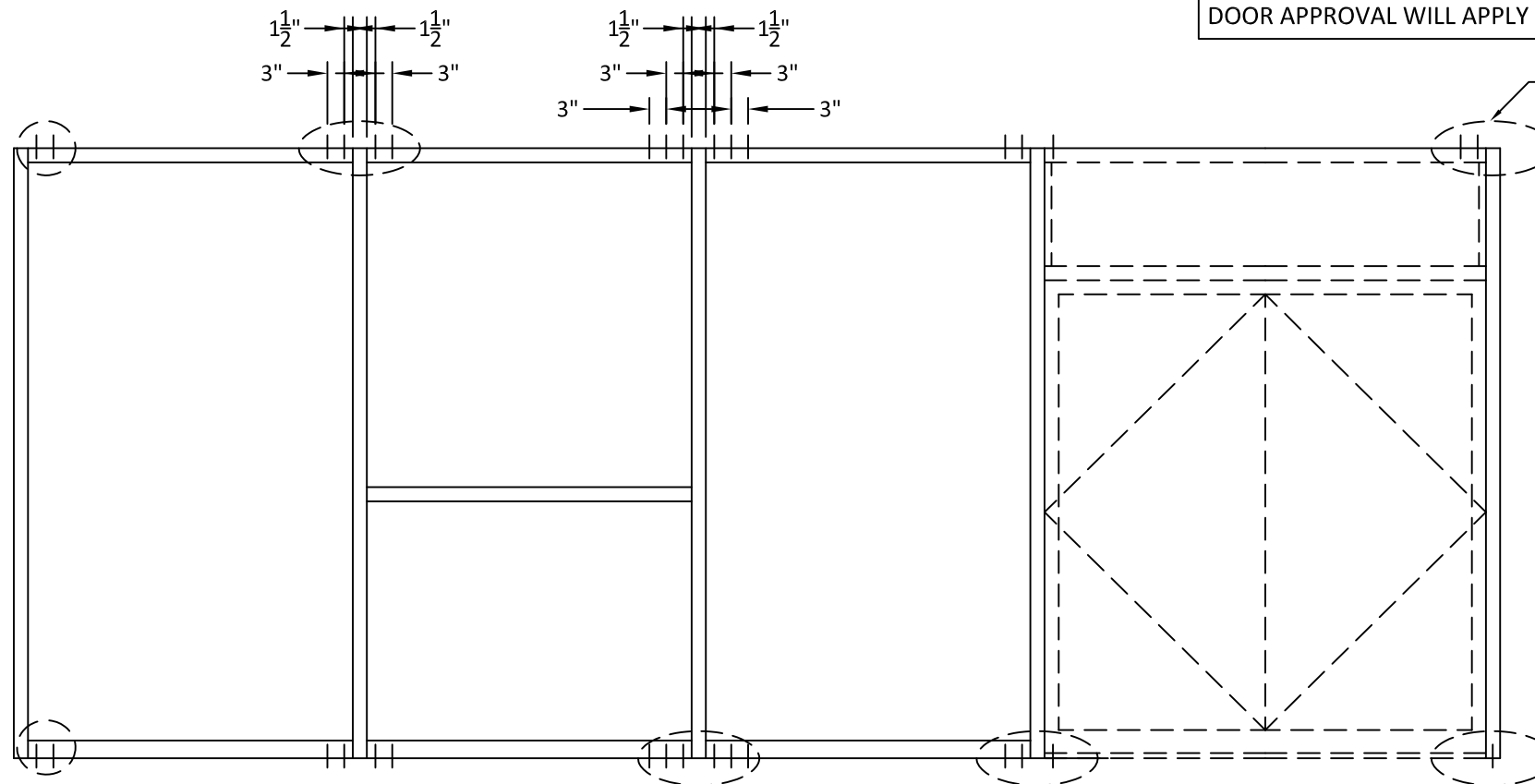
SEE SEPARATE DOOR APPROVAL FOR DOOR RATING & DETAILS.
LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.



ANCHORS, TYPE A, B, C OR D
SEE SHEETS 7-10 FOR QUANTITIES



ANCHORS, TYPE A, B, C OR D
SEE SHEETS 7-10 FOR QUANTITIES



TYPICAL ANCHOR LAYOUT

FOR DOOR ADJACENT
MULLION ANCHOR
REQUIREMENTS SEE
SHEETS 11 & 12

FOR DOOR JAMB
ANCHOR REQUIREMENTS
SEE SHEETS 11 & 12



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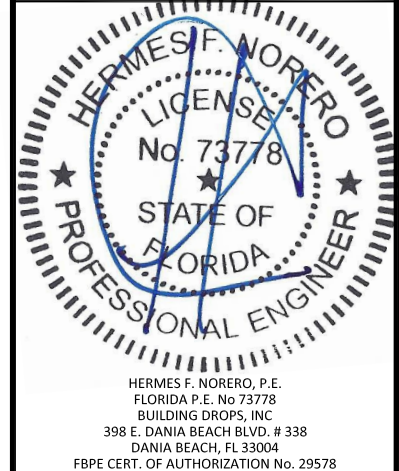
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(WZ3) (IMPACT)
ELEVATION &
ANCHOR LAYOUT

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FL #:
FL24567

DATE: **12.08.17**

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

SCALE: **NTS**

DWG. #: **YKK255**

SECTION:
2

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GLAZING DETAILS

LARGE & SMALL MISSILE IMPACT



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GLAZING DETAILS

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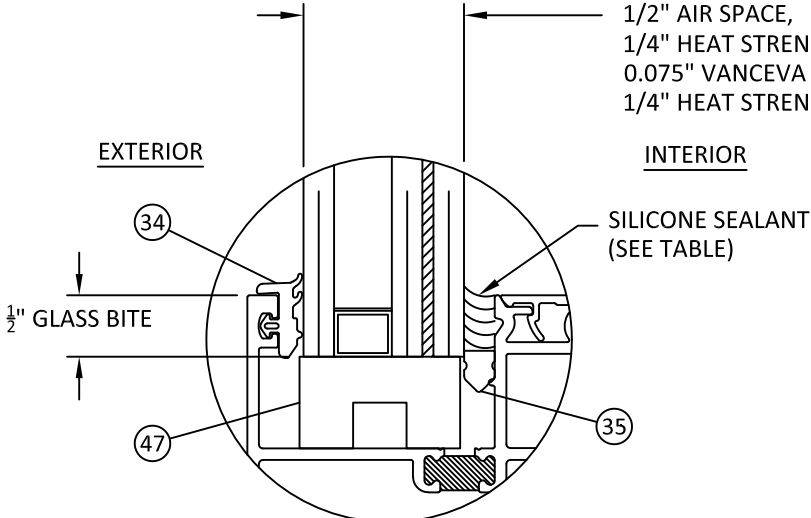
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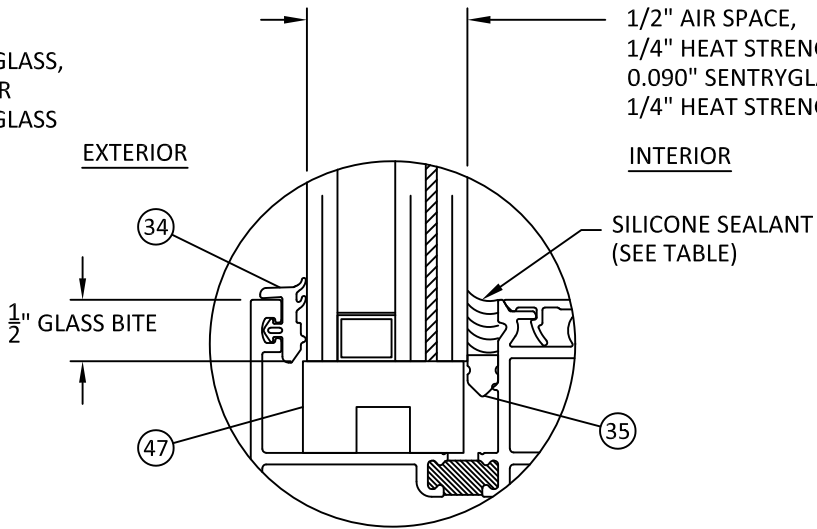
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SCALE:	NTS
DWG. #:	YKK255
SECTION:	3

1-5/16" O.A. LAMINATED INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS,
1/2" AIR SPACE,
1/4" HEAT STRENGTHENED GLASS,
0.075" VANCEVA INTERLAYER
1/4" HEAT STRENGTHENED GLASS



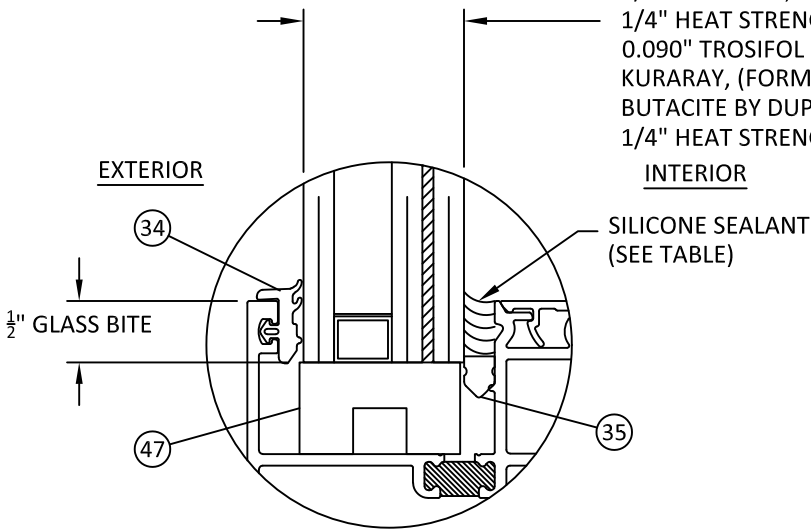
GLAZING DETAIL B
(WET GLAZED)

1-5/16" O.A. LAMINATED INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS,
1/2" AIR SPACE,
1/4" HEAT STRENGTHENED GLASS,
0.090" SENTRYGLAS INTERLAYER
1/4" HEAT STRENGTHENED GLASS



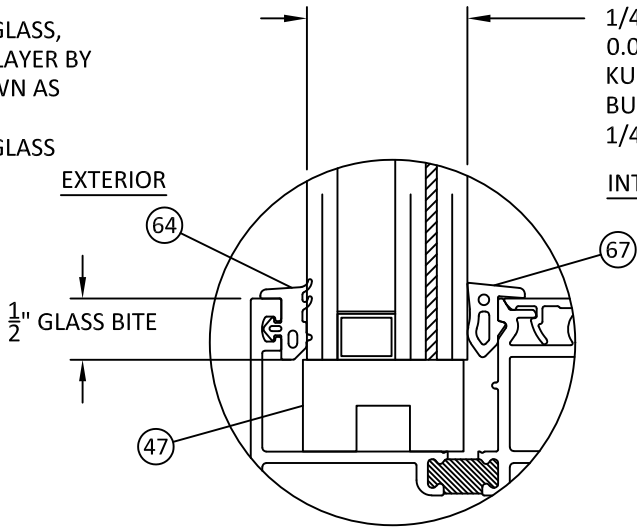
GLAZING DETAIL A
(WET GLAZED)

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

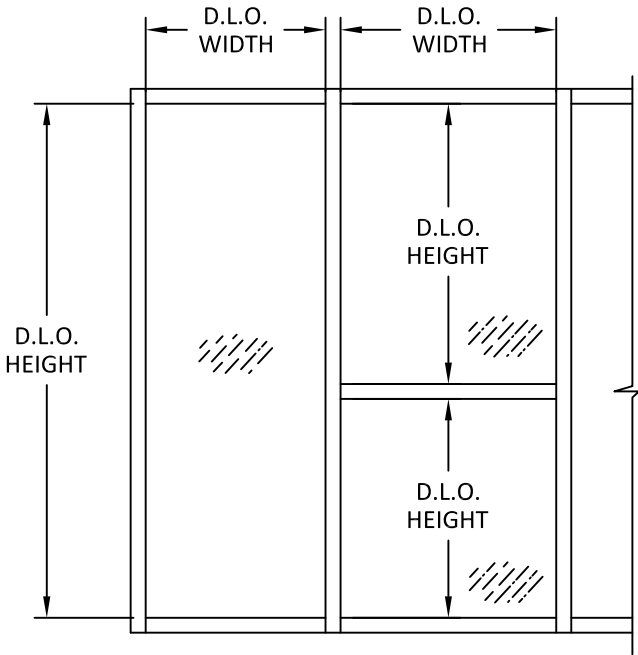


GLAZING DETAIL C
(WET GLAZED)

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



GLAZING DETAIL D
(DRY GLAZED)
S.M.I. ONLY



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND CHAPTER 17 OF THE FBC FOR SIZES OTHER THAN TESTED.

1/2" AIR SPACE CONSISTING OF :
- SPACER: ALUMINUM BOX SPACER.
- PRIMARY SEALANT: POLYISOBUTYLENE (PIB).
- SECONDARY SEALANT: STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATING GLASS UNITS.

GLASS CAPACITY TABLES

GLASS LOAD CAPACITY (PSF)								
NOMINAL DIMS.		GLASS TYPES A				GLASS TYPES B		
		Tremco P'glaze II	Pecora 895	Dow 995	Tremco P'glaze SSG	DOW 995	PECORA 895, TREMCO P'GLAZE SSG & TREMCO P'GLAZE II	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	INT. (-)
24	66	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
46		87.2	90.0	87.2	67.8	87.2	90.0	
54		77.5	90.0	77.5	60.3	77.5	90.0	
60		69.8	87.8	69.8	54.3	69.8	87.8	
66	72	63.4	79.8	63.4	49.3	63.4	79.8	
72		56.8	71.8	56.8	44.3	56.8	71.8	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
48		87.2	90.0	87.2	67.8	87.2	90.0	
54	78	77.5	90.0	77.5	60.3	77.5	90.0	
60		69.8	87.8	69.8	54.3	69.8	87.8	
66		63.4	79.8	63.4	49.3	63.4	79.8	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
48	84	87.2	90.0	87.2	67.8	87.2	90.0	
54		77.5	90.0	77.5	60.3	77.5	90.0	
60		69.8	87.8	69.8	54.3	69.8	87.8	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
48	90	87.2	90.0	87.2	67.8	87.2	90.0	
54		77.5	90.0	77.5	60.3	77.5	90.0	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
48		87.2	90.0	87.2	67.8	87.2	90.0	
54	96	77.5	90.0	77.5	60.3	77.5	90.0	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
48		87.2	90.0	87.2	67.8	87.2	90.0	
54		77.5	90.0	77.5	60.3	77.5	90.0	

GLASS LOAD CAPACITY (PSF)								
NOMINAL DIMS.		GLASS TYPES A				GLASS TYPES B		
		Tremco P'glaze II	Pecora 895	Dow 995	Tremco P'glaze SSG	DOW 995	PECORA 895, TREMCO P'GLAZE SSG & TREMCO P'GLAZE II	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	INT. (-)
24	96	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
46		87.2	90.0	87.2	67.8	87.2	90.0	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36	102	90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
46		90.0	90.0	90.0	70.0	90.0	90.0	
48		87.2	90.0	-	-	87.2	90.0	
24		90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	108	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	114	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	120	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	126	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	132	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	138	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	
24	144	90.0	90.0	90.0	70.0	90.0	90.0	
30		90.0	90.0	90.0	70.0	90.0	90.0	
36		90.0	90.0	90.0	70.0	90.0	90.0	
42		90.0	90.0	90.0	70.0	90.0	90.0	

GLASS LOAD CAPACITY (PSF)					
NOMINAL DIMS.		GLASS TYPES C '0.090'		GLASS TYPES D '0.060'	
		Dow 995		EPDM 0801	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	INT. (-)	INT. (-)	INT. (-)	INT. (-)
24	66	50.0	50.0	75.0	75.0
30		50.0	50.0	75.0	75.0
36		50.0	50.0	75.0	75.0
42		50.0	50.0	75.0	75.0
46		50.0	50.0	75.0	75.0
46		50.0	50.0	75.0	75.0
54		50.0	50.0	75.0	75.0
60		48.8	48.8	73.1	73.1
66		44.3	44.3	66.5	66.5
72		39.8	39.8	59.9	59.9
24	72	50.0	50.0	75.0	75.0
30		50.0	50.0	75.0	75.0
36		50.0	50.0	75.0	75.0
42		50.0	50.0	75.0	75.0
46		50.0	50.0	75.0	75.0
48		50.0	50.0	75.0	75.0
54		50.0	50.0	75.0	75.0
60		48.8	48.8	73.1	73.1
66		44.3	44.3	66.5	66.5
24	78	50.0	50.0	75.0	75.0
30		50.0	50.0	75.0	75.0
36		50.0	50.0	75.0	75.0
42		50.0	50.0	75.0	75.0
46		50.0	50.0	75.0	75.0
48		50.0	50.0	75.0	75.0
54		50.0	50.0	75.0	75.0
60		48.8	48.8	73.1	73.1
24		84	50.0	50.0	75.0
30	50.0		50.0	75.0	75.0
36	50.0		50.0	75.0	75.0
42	50.0		50.0	75.0	75.0
46	50.0		50.0	75.0	75.0
48	50.0		50.0	75.0	75.0
54	50.0		50.0	75.0	75.0
24	90		50.0	50.0	75.0
30		50.0	50.0	75.0	75.0
36		50.0	50.0	75.0	75.0
42		50.0	50.0	75.0	75.0
46		50.0	50.0	75.0	75.0
48		50.0	50.0	75.0	75.0
54		50.0	50.0	75.0	75.0

MULLION TABLES

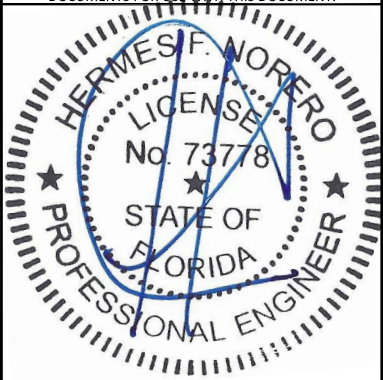
PREPARED BY:



BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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REMARKS	BY	DATE

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 #:

FL24567

DATE: 12.08.17

DWG. BY:

G. BY:

SCALE: NTS

DWG. #: YKK255

SECTION:

5

OF 19

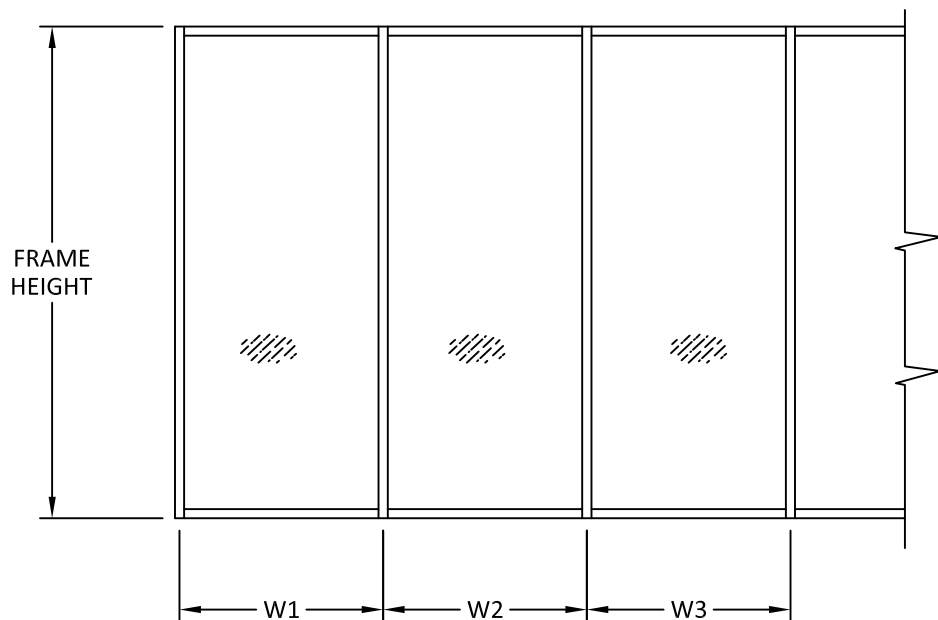
MULLION LOAD TABLES

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)						
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'	MULLION 'M1'	MULLION 'M2'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	54	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54	60.0000	70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42	66.0000	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30	72.0000	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18	78.0000	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54	84.0000	70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42	90.0000	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30	96.0000	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	63.8	70.0	70.0
18	102.0000	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54	108.0000	70.0	70.0	62.3	70.0	70.0
60		70.0	70.0	56.1	70.0	70.0

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)						
NOMINAL DIMS.		JAMB '1'	JAMB '2'	JAMB '3'	MULLION 'M1'	MULLION 'M2'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	102	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	62.1	70.0	70.0
54		70.0	70.0	55.2	70.0	70.0
60		64.5	70.0	49.7	64.5	70.0
18	109	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	61.6	70.0	70.0
48		70.0	70.0	53.9	70.0	70.0
54		62.2	70.0	47.9	62.2	70.0
60		56.0	70.0	43.1	56.0	70.0
18	114	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	66.3	70.0	70.0
42		70.0	70.0	56.8	70.0	70.0
48		62.0	70.0	49.7	62.0	70.0
54		55.1	70.0	44.2	55.1	70.0
60		49.6	70.0	39.8	49.6	70.0
18	120	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	59.8	70.0	70.0
42		60.8	70.0	51.3	60.8	70.0
48		53.2	70.0	44.9	53.2	70.0
54		47.3	70.0	39.9	47.3	70.0
60		42.5	70.0	35.9	42.5	70.0
18	126	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	62.8	70.0	70.0
36		61.3	70.0	52.3	61.3	70.0
42		52.5	70.0	44.8	52.5	70.0
48		45.9	70.0	39.2	45.9	70.0
54		40.8	69.7	34.9	40.8	70.0
60		36.8	62.8	31.4	36.8	70.0
18	132	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	68.2	70.0	70.0
30		63.9	70.0	54.6	63.9	70.0
36		53.3	70.0	45.5	53.3	70.0
42		45.7	70.0	39.0	45.7	70.0
48		40.0	68.2	34.1	40.0	70.0
54		35.5	60.7	30.3	35.5	70.0
60		32.0	54.6	27.3	32.0	70.0
18	138	70.0	70.0	70.0	70.0	70.0
24		69.9	70.0	59.7	69.9	70.0
30		56.0	70.0	47.8	56.0	70.0
36		46.6	70.0	39.8	46.6	70.0
42		40.0	68.2	34.1	40.0	70.0
48		35.0	59.7	29.9	35.0	70.0
54		31.1	53.1	26.5	31.1	70.0
60		28.0	47.8	23.9	28.0	69.8
18	144	70.0	70.0	70.0	70.0	70.0
24		61.6	70.0	52.6	61.6	70.0
30		49.2	70.0	42.0	49.2	70.0
36		41.0	70.0	35.0	41.0	70.0
42		35.2	60.1	30.0	35.2	70.0
48		30.8	52.6	26.3	30.8	70.0
54		27.4	46.7	23.4	27.4	68.3
60		24.6	42.0	21.0	24.6	61.5
18	150	70.0	70.0	62.0	70.0	70.0
24		54.5	70.0	46.5	54.5	70.0
30		43.6	70.0	37.2	43.6	70.0
36		36.3	62.0	31.0	36.3	70.0
42		31.1	53.1	26.6	31.1	70.0
48		27.2	46.5	23.3	27.2	68.0
54		24.2	41.3	20.7	24.2	60.4
60		21.8	37.2	18.6	21.8	54.4

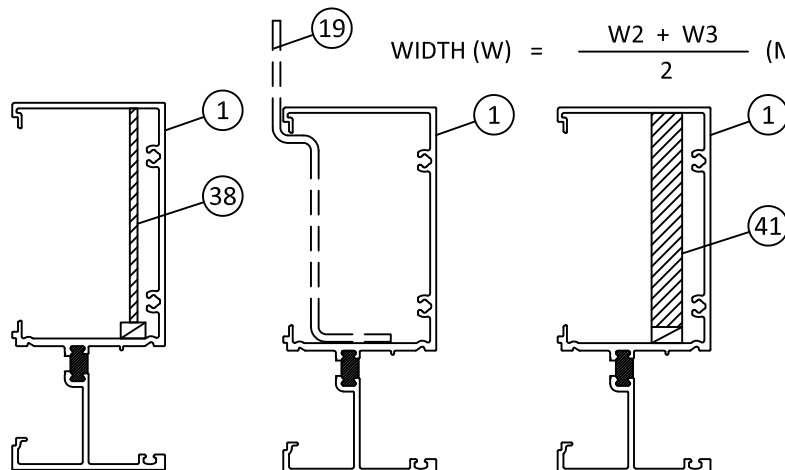
JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)			
NOMINAL DIMS.		MULLION 'M3'	MULLION 'M4'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	54	75.0	50.0
24		75.0	50.0
30		75.0	50.0
36		75.0	50.0
42		75.0	50.0
48		75.0	50.0
54	60	75.0	50.0
60		75.0	50.0
18		75.0	50.0
24		75.0	50.0
30		75.0	50.0
36		75.0	50.0
42	66	75.0	50.0
48		75.0	50.0
54		75.0	50.0
60		75.0	50.0
18		75.0	50.0
24		75.0	50.0
30	72	75.0	50.0
36		75.0	50.0
42		75.0	50.0
48		75.0	50.0
54		75.0	50.0
60		75.0	50.0
18	78	75.0	50.0
24		75.0	50.0
30		75.0	50.0
36		75.0	50.0
42		75.0	50.0
48		75.0	50.0
54	84	75.0	50.0
60		75.0	50.0
18		75.0	50.0
24		75.0	50.0
30		75.0	50.0
36		75.0	50.0
42	90	75.0	50.0
48		75.0	50.0
54		75.0	50.0
60		75.0	50.0
18		75.0	50.0
24		75.0	50.0
30	96	75.0	50.0
36		75.0	50.0
42		75.0	50.0
48		75.0	50.0
54		75.0	50.0
60		75.0	50.0

JAMBS/MULLION LOAD CAPACITY - Single Span (+/- PSF)			
NOMINAL DIMS.		MULLION 'M3'	MULLION 'M4'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	102		50.0
24			50.0
30			50.0
36			50.0
42			50.0
48			50.0
54			50.0
60			50.0
18	109		50.0
24			50.0
30			50.0
36			50.0
42			50.0
48			50.0
54			50.0
60			50.0
18	114		50.0
24			50.0
30			50.0
36			50.0
42			50.0
48			50.0
54			50.0
60			45.5
18	120		50.0
24			50.0
30			50.0
36			50.0
42			50.0
48			48.8
54			43.4
60			39.0
18	126		50.0
24			50.0
30			50.0
36			50.0
42			48.2
48			42.2
54			37.5
60			33.7
18	132		50.0
24			50.0
30			48.9
36			41.9
42			36.7
48			32.6
54			29.3
60			
18	138		50.0
24			50.0
30			50.0
36			42.8
42			36.7
48			32.1
54			28.5
60			25.7
18	144		50.0
24			50.0
30			45.2
36			37.7
42			32.3
48			28.2
54			25.1
60			22.6
18	150		50.0
24			50.0
30			40.0
36			33.3
42			28.6
48			25.0
54			22.2
60			20.0



WIDTH (W) = W1 (JAMB)

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

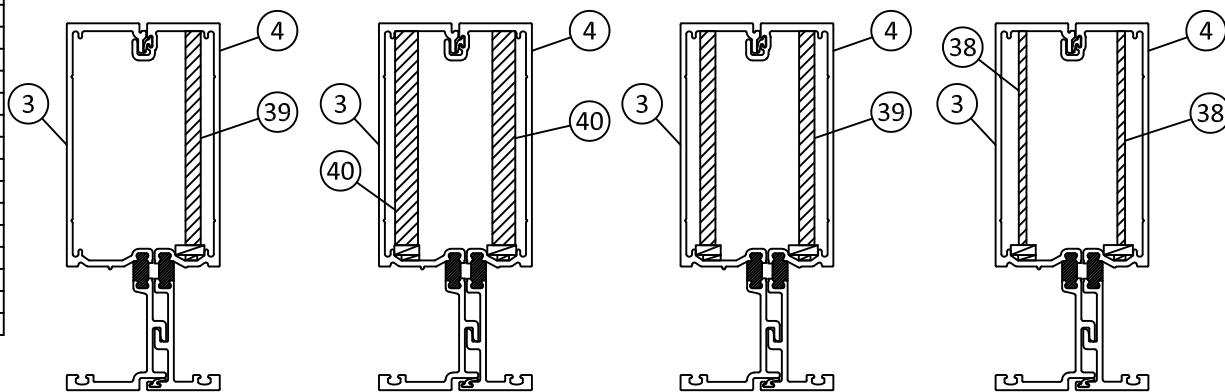


JAMB 'J1'

JAMB 'J2'

JAMB 'J3'

NOTE:
JAMB 'J2' SHOWN ABOVE IS TO BE USED ALWAYS WITH JAMB ANCHOR (ITEM #19). SEE DETAIL H/14 IN SECTION 14 FOR REFERENCE TO INSTALLATION.



MULLION 'M1'

MULLION 'M2'

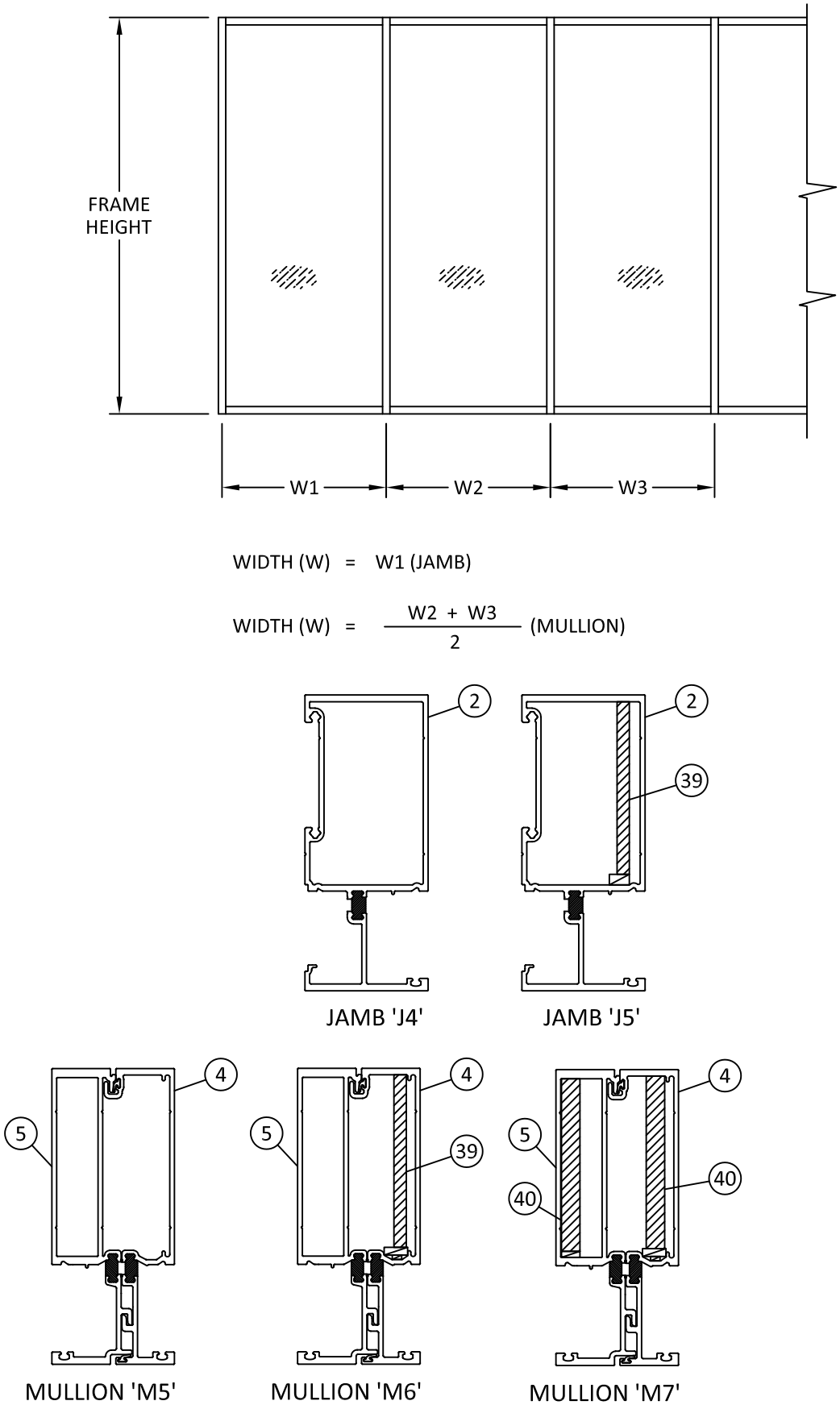
MULLION 'M3'

MULLION 'M4'

MULLION LOAD TABLES

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)						
NOMINAL DIMS.		JAMB 'J4'	JAMB 'J5'	MULLION 'M5'	MULLION 'M6'	MULLION 'M7'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	54	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54	60	90.0	90.0	90.0	90.0	90.0
60		90.0	90.0	90.0	90.0	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42	66	90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0	90.0
60		90.0	90.0	90.0	90.0	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30	72	90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0	90.0
60		90.0	90.0	90.0	90.0	90.0
18	78	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54	84	90.0	90.0	90.0	90.0	90.0
60		90.0	90.0	90.0	90.0	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42	90	90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0	90.0
60		82.7	90.0	90.0	90.0	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30	96	90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		80.8	90.0	90.0	90.0	90.0
60		72.7	90.0	90.0	90.0	90.0

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)						
NOMINAL DIMS.		JAMB 'J4'	JAMB 'J5'	MULLION 'M5'	MULLION 'M6'	MULLION 'M7'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	102	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54	109	90.0	90.0	90.0	90.0	90.0
60		90.0	90.0	84.9	90.0	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42	114	90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	81.8	90.0	90.0
60		90.0	90.0	73.7	88.6	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30	120	90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	82.5	90.0	90.0
54		90.0	90.0	73.4	90.0	90.0
60		90.0	90.0	66.0	81.8	90.0
18	126	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	80.9	90.0	90.0
48		90.0	90.0	70.8	90.0	90.0
54	132	90.0	90.0	62.9	82.0	90.0
60		90.0	90.0	56.6	73.8	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	81.5	90.0	90.0
42	138	90.0	90.0	69.8	90.0	90.0
48		90.0	90.0	61.1	80.7	90.0
54		90.0	90.0	54.3	71.7	90.0
60		81.4	90.0	48.9	64.6	90.0
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30	144	90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	85.0	90.0	90.0
42		90.0	90.0	70.9	90.0	90.0
48		90.0	90.0	60.7	80.2	90.0
54		88.5	90.0	53.2	70.2	90.0
60		78.6	90.0	47.2	62.4	90.0
18	150	90.0	90.0	42.5	56.1	87.6
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	62.0	81.9	90.0
42		88.5	90.0	53.2	70.2	90.0
48		77.4	90.0	46.5	61.4	90.0
54	150	68.8	87.3	41.4	54.6	85.2
60		61.9	78.6	37.2	49.1	76.7
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	81.9	90.0	90.0
30		90.0	90.0	65.5	86.5	90.0
36		90.0	90.0	54.6	72.1	90.0
42	150	77.9	90.0	46.8	61.8	90.0
48		68.1	86.4	40.9	54.1	84.3
54		60.6	76.8	36.4	48.1	75.0
60		54.5	69.2	32.8	43.2	67.5
18		90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	72.4	90.0	90.0
30	150	90.0	90.0	58.0	76.5	90.0
36		80.4	90.0	48.3	63.8	90.0
42		68.9	87.4	41.4	54.7	85.3
48		60.3	76.5	36.2	47.8	74.6
54		53.6	68.0	32.2	42.5	66.3
60		48.2	61.2	29.0	38.3	59.7



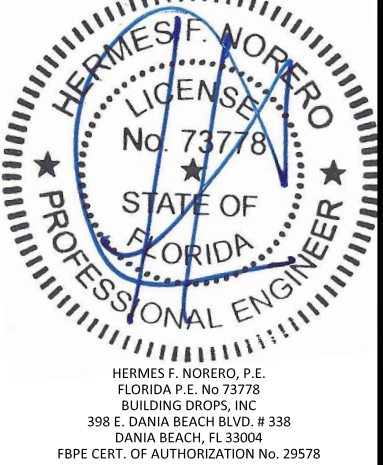
YKK AP America, Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YHW 60 TU WINDOW WALL SYSTEM (WZ3) (IMPACT)
MULLION TABLES

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE

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FL #:

FL24567

DATE: 12.08.17

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: YKK255

SECTION:

6

OF 19

ANCHOR TYPE 'A & B' TABLES

ANCHOR LOAD CAPACITY - 'J1', 'J2', 'J3', 'M1' & 'M2' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	54	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60	60	70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54	66	70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42	72	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30	78	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0
60		64.9	70.0	70.0	70.0	70.0
18	84	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54	90	67.0	70.0	70.0	70.0	70.0
60		60.3	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42	96	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0
54		62.5	70.0	70.0	70.0	70.0
60		56.3	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0

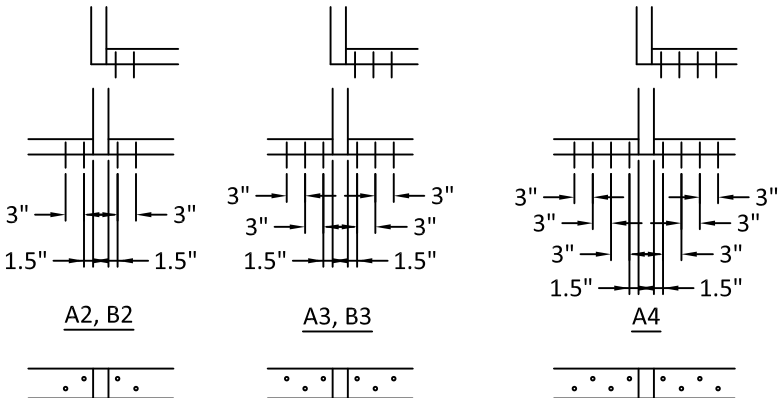
ANCHOR LOAD CAPACITY - 'J1', 'J2', 'J3', 'M1' & 'M2' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	102	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0
48		62.1	70.0	70.0	70.0	70.0
54	109	55.2	70.0	70.0	70.0	70.0
60		49.6	70.0	70.0	70.0	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42	114	66.1	70.0	70.0	70.0	70.0
48		57.8	70.0	70.0	70.0	70.0
54		51.4	70.0	70.0	70.0	70.0
60		46.2	69.4	70.0	67.2	70.0
18	120	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0
42		60.3	70.0	70.0	70.0	70.0
48		52.7	70.0	70.0	70.0	70.0
54	126	46.9	70.0	70.0	68.1	70.0
60		42.2	63.3	70.0	61.3	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		67.0	70.0	70.0	70.0	70.0
42	132	57.4	70.0	70.0	70.0	70.0
48		50.2	70.0	70.0	70.0	70.0
54		44.7	67.0	70.0	64.9	70.0
60		40.2	60.3	70.0	58.4	70.0
18	138	70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		63.9	70.0	70.0	70.0	70.0
42		54.8	70.0	70.0	70.0	70.0
48		47.9	70.0	70.0	69.7	70.0
54	144	42.6	63.9	70.0	61.9	70.0
60		38.4	57.5	70.0	55.7	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0	70.0
36		58.6	70.0	70.0	70.0	70.0
42	150	50.2	70.0	70.0	70.0	70.0
48		44.0	65.9	70.0	63.9	70.0
54		39.1	58.6	70.0	56.8	70.0
60		35.2	52.7	70.0	51.1	70.0
18		70.0	70.0	70.0	70.0	70.0
24		70.0	70.0	70.0	70.0	70.0

ANCHORS TYPES: SEE TABLE BELOW 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
A4 = (4) 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



NOTE:

1. FOR ITEM# 9: ANCHOR TYPE 'A' USE STAGGERED PATTERN
2. FOR ITEM# 16, 17 & 18: ANCHOR TYPE 'B' USE INLINE PATTERN

WIDTH (W) = W1 (JAMB)

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

YHW 60 TU WINDOW WALL 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) OR 5/16" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	CONCRETE AT HEAD, SILL OR JAMBS F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M = 2000 PSI MIN.	1-3/4"	3"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
		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) OR 1/4" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	CONCRETE AT HEAD, SILL OR JAMBS F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M = 2000 PSI MIN.	1-3/4"	2-1/2"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
		MIN. S.G. = 0.55 WOOD	1-1/2"	1"	--
D	1/4" DIA. SELF-DRILLING SCREWS (GRADE 5)	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
		18 GA. MIN. STEEL STUD, Fy = 33 KSI MIN. WITH WOOD BACKING	1-1/2" IN WOOD	1" IN WOOD	STAGGERED SEE SHEETS 6 & 7



YKK AP America, Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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TITLE: YHW 60 TU WINDOW WALL SYSTEM (WZ3) (IMPACT)

TYPE A & B ANCHOR TABLES

PREPARED BY:

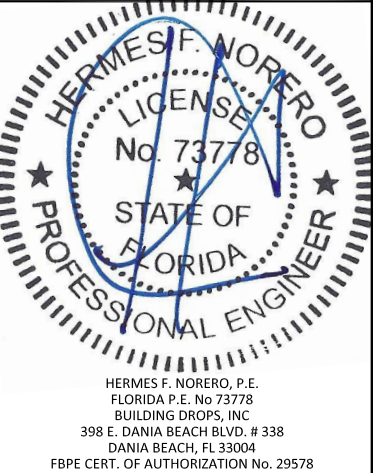
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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FL #: FL24567

DATE: 12.08.17

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: YKK255

SECTION:

7

ANCHOR TYPE 'A & B' TABLES

ANCHOR LOAD CAPACITY - 'J4', 'J5', 'M5', 'M6', 'M7' & 'M8' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	54	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0	90.0
60		90.0	90.0	90.0	90.0	90.0
18	60	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0	90.0
60		84.4	90.0	90.0	90.0	90.0
18	66	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0	90.0
60		85.2	90.0	90.0	90.0	90.0
18	72	76.7	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		87.9	90.0	90.0	90.0	90.0
54		78.1	90.0	90.0	90.0	90.0
60		70.3	90.0	90.0	90.0	90.0
18	78	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0	90.0
48		81.1	90.0	90.0	90.0	90.0
54		72.1	90.0	90.0	90.0	90.0
60		64.9	90.0	90.0	90.0	90.0
18	84	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		86.1	90.0	90.0	90.0	90.0
48		75.3	90.0	90.0	90.0	90.0
54		67.0	90.0	90.0	90.0	90.0
60		60.3	90.0	90.0	87.6	90.0
18	90	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0	90.0
42		80.4	90.0	90.0	90.0	90.0
48		70.3	90.0	90.0	90.0	90.0
54		62.5	90.0	90.0	90.0	90.0
60		56.3	84.4	90.0	81.7	90.0
18	96	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		87.9	90.0	90.0	90.0	90.0
42		75.3	90.0	90.0	90.0	90.0
48		65.9	90.0	90.0	90.0	90.0
54		58.6	87.9	90.0	85.2	90.0
60		52.7	79.1	90.0	76.6	90.0

ANCHOR LOAD CAPACITY - 'J4', 'J5', 'M5', 'M6', 'M7' & 'M8' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	102	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		82.7	90.0	90.0	90.0	90.0
42		70.9	90.0	90.0	90.0	90.0
48		62.1	90.0	90.0	90.0	90.0
54		55.2	82.7	90.0	80.1	90.0
60	49.6	74.5	90.0	72.1	90.0	
18	109	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		77.1	90.0	90.0	90.0	90.0
42		66.1	90.0	90.0	90.0	90.0
48		57.8	86.7	90.0	84.0	90.0
54		51.4	77.1	90.0	74.7	90.0
60	46.2	69.4	90.0	67.2	90.0	
18	114	90.0	90.0	90.0	90.0	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		88.8	90.0	90.0	90.0	90.0
42		74.0	90.0	90.0	90.0	90.0
48		63.5	90.0	90.0	90.0	90.0
54		55.5	83.3	90.0	80.7	90.0
60	49.4	74.0	90.0	71.7	90.0	
18	120	44.4	66.6	88.8	64.5	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		84.4	90.0	90.0	90.0	90.0
42		70.3	90.0	90.0	90.0	90.0
48		60.3	90.0	90.0	87.6	90.0
54		52.7	79.1	90.0	76.6	90.0
60	46.9	70.3	90.0	68.1	90.0	
18	126	42.2	63.3	84.4	61.3	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		80.4	90.0	90.0	90.0	90.0
42		67.0	90.0	90.0	90.0	90.0
48		57.4	86.1	90.0	83.4	90.0
54		50.2	75.3	90.0	73.0	90.0
60	44.7	67.0	89.3	64.9	90.0	
18	132	40.2	60.3	80.4	58.4	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		76.7	90.0	90.0	90.0	90.0
42		63.9	90.0	90.0	90.0	90.0
48		54.8	82.2	90.0	79.6	90.0
54		47.9	71.9	90.0	69.7	90.0
60	42.6	63.9	85.2	61.9	90.0	
18	138	38.4	57.5	76.7	55.7	90.0
24		90.0	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0	90.0
36		73.4	90.0	90.0	90.0	90.0
42		61.2	90.0	90.0	88.9	90.0
48		52.4	78.6	90.0	76.2	90.0
54		45.9	68.8	90.0	66.6	90.0
60	40.8	61.2	81.5	59.2	90.0	
18	144	36.7	55.0	73.4	53.3	90.0
24		90.0	90.0	90.0	90.0	90.0
30		87.9	90.0	90.0	90.0	90.0
36		70.3	90.0	90.0	90.0	90.0
42		58.6	87.9	90.0	85.2	90.0
48		50.2	75.3	90.0	73.0	90.0
54		44.0	65.9	87.9	63.9	90.0
60	39.1	58.6	78.1	56.8	90.0	
18	150	35.2	52.7	70.3	51.1	90.0
24		90.0	90.0	90.0	90.0	90.0
30		84.4	90.0	90.0	90.0	90.0
36		67.5	90.0	90.0	90.0	90.0
42		56.3	84.4	90.0	81.7	90.0
48		48.2	72.3	90.0	70.1	90.0
54		42.2	63.3	84.4	61.3	90.0
60	37.5	56.3	75.0	54.5	90.0	
60	33.8	50.6	67.5	49.0	90.0	

ANCHOR LOAD CAPACITY - 'M4' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	"FRAME HEIGHT	A2	A3	A4	B2	B3
18	54	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	60	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	66	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	72	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	78	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	84	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	90	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	
18	96	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60	50.0	50.0	50.0	50.0	50.0	

ANCHOR LOAD CAPACITY - 'M4' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	102	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60		49.6	50.0	50.0	50.0	50.0
18	109	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0
60		46.2	50.0	50.0	50.0	50.0
18	114	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		49.4	50.0	50.0	50.0	50.0
60		44.4	50.0	50.0	50.0	50.0
18	120	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		46.9	50.0	50.0	50.0	50.0
60		42.2	50.0	50.0	50.0	50.0
18	126	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0
54		44.7	50.0	50.0	50.0	50.0
60		40.2	50.0	50.0	50.0	50.0
18	132	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		47.9	50.0	50.0	50.0	50.0
54		42.6	50.0	50.0	50.0	50.0
60		38.4	50.0	50.0	50.0	50.0
18	138	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		45.9	50.0	50.0	50.0	50.0
54		40.8	50.0	50.0	50.0	50.0
60		36.7	50.0	50.0	50.0	50.0
18	144	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0
48		44.0	50.0	50.0	50.0	50.0
54		39.1	50.0	50.0	50.0	50.0
60		35.2	50.0	50.0	50.0	50.0
18	150	50.0	50.0	50.0	50.0	50.0
24		50.0	50.0	50.0	50.0	50.0
30		50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0
42		48.2	50.0	50.0	50.0	50.0
48		42.2	50.0	50.0	50.0	50.0
54		37.5	50.0	50.0	50.0	50.0
60		33.8	50.0	50.0	49.0	50.0

ANCHOR LOAD CAPACITY - 'M3'						
EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	54	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0
48		75.0	75.0	75.0	75.0	75.0
54		75.0	75.0	75.0	75.0	75.0
60	60	75.0	75.0	75.0	75.0	75.0
18		75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0
48		75.0	75.0	75.0	75.0	75.0
54	66	75.0	75.0	75.0	75.0	75.0
60		75.0	75.0	75.0	75.0	75.0
18		75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0
48	72	75.0	75.0	75.0	75.0	75.0
54		75.0	75.0	75.0	75.0	75.0
60		75.0	75.0	75.0	75.0	75.0
18		75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42	78	75.0	75.0	75.0	75.0	75.0
48		75.0	75.0	75.0	75.0	75.0
54		75.0	75.0	75.0	75.0	75.0
60		70.3	75.0	75.0	75.0	75.0
18		75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36	84	75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0
48		75.0	75.0	75.0	75.0	75.0
54		67.0	75.0	75.0	75.0	75.0
60		60.3	75.0	75.0	75.0	75.0
18		75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30	90	75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0
48		70.3	75.0	75.0	75.0	75.0
54		62.5	75.0	75.0	75.0	75.0
60		56.3	75.0	75.0	75.0	75.0
18		96	75.0	75.0	75.0	75.0
24	75.0		75.0	75.0	75.0	75.0
30	75.0		75.0	75.0	75.0	75.0
36	75.0		75.0	75.0	75.0	75.0
42	75.0		75.0	75.0	75.0	75.0
48	65.9		75.0	75.0	75.0	75.0
54	58.6		75.0	75.0	75.0	75.0
60	52.7	75.0	75.0	75.0	75.0	

ANCHOR LOAD CAPACITY - 'M3' EXT. (+) & INT. (-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
18	102	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42		70.9	75.0	75.0	75.0	75.0
48		62.1	75.0	75.0	75.0	75.0
54		55.2	75.0	75.0	75.0	75.0
60	49.6	74.5	75.0	72.1	75.0	
18	109	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0
42		66.1	75.0	75.0	75.0	75.0
48		57.8	75.0	75.0	75.0	75.0
54		51.4	75.0	75.0	74.7	75.0
60	46.2	69.4	75.0	67.2	75.0	
18	114	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		74.0	75.0	75.0	75.0	75.0
42		63.5	75.0	75.0	75.0	75.0
48		55.5	75.0	75.0	75.0	75.0
54		49.4	74.0	75.0	71.7	75.0
60	44.4	66.6	75.0	64.5	75.0	
18	120	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		70.3	75.0	75.0	75.0	75.0
42		60.3	75.0	75.0	75.0	75.0
48		52.7	75.0	75.0	75.0	75.0
54		46.9	70.3	75.0	68.1	75.0
60	42.2	63.3	75.0	61.3	75.0	
18	126	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		67.0	75.0	75.0	75.0	75.0
42		57.4	75.0	75.0	75.0	75.0
48		50.2	75.0	75.0	73.0	75.0
54		44.7	67.0	75.0	64.9	75.0
60	40.2	60.3	75.0	58.4	75.0	
18	132	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		75.0	75.0	75.0	75.0	75.0
36		63.9	75.0	75.0	75.0	75.0
42		54.8	75.0	75.0	75.0	75.0
48		47.9	71.9	75.0	69.7	75.0
54		42.6	63.9	75.0	61.9	75.0
60	38.4	57.5	75.0	55.7	75.0	
18	138	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		73.4	75.0	75.0	75.0	75.0
36		61.2	75.0	75.0	75.0	75.0
42		52.4	75.0	75.0	75.0	75.0
48		45.9	68.8	75.0	66.6	75.0
54		40.8	61.2	75.0	59.2	75.0
60	36.7	55.0	73.4	53.3	75.0	
18	144	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		70.3	75.0	75.0	75.0	75.0
36		58.6	75.0	75.0	75.0	75.0
42		50.2	75.0	75.0	73.0	75.0
48		44.0	65.9	75.0	63.9	75.0
54		39.1	58.6	75.0	56.8	75.0
60	35.2	52.7	70.3	51.1	75.0	
18	150	75.0	75.0	75.0	75.0	75.0
24		75.0	75.0	75.0	75.0	75.0
30		67.5	75.0	75.0	75.0	75.0
36		56.3	75.0	75.0	75.0	75.0
42		48.2	72.3	75.0	70.1	75.0
48		42.2	63.3	75.0	61.3	75.0
54		37.5	56.3	75.0	54.5	75.0
60	33.8	50.6	67.5	49.0	75.0	



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TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)

TYPE A & B ANCHOR TABLES

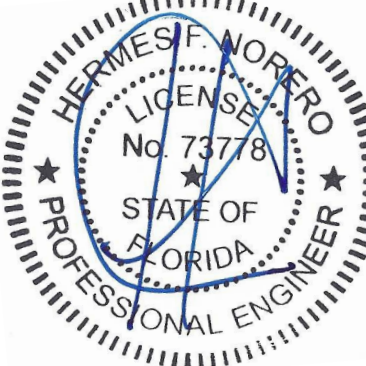
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REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE 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 #:

FL24567

DATE: 12.08.17

DWG. BY:
RV

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK255

SECTION:



ANCHOR TYPE 'C & D' TABLES

ANCHOR LOAD CAPACITY - 'J1', 'J2', 'J3', 'M1' & 'M2' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	54	70.0	70.0	70.0
24		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	60	70.0	70.0	70.0
60		70.0	70.0	70.0
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42	66	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
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30	72	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
18	78	70.0	70.0	70.0
24		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	84	70.0	70.0	70.0
60		70.0	70.0	70.0
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42	90	70.0	70.0	70.0
48		70.0	70.0	70.0
54		70.0	70.0	70.0
60		66.2	70.0	70.0
18	96	70.0	70.0	70.0
24		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		68.9	70.0	70.0
60		62.0	70.0	70.0

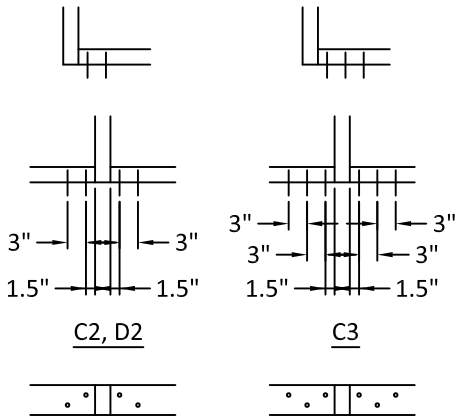
ANCHOR LOAD CAPACITY - 'J1', 'J2', 'J3', 'M1' & 'M2' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	102	70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		70.0	70.0	70.0
48		70.0	70.0	70.0
54	109	64.9	70.0	70.0
60		58.4	70.0	70.0
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42	114	70.0	70.0	70.0
48		68.0	70.0	70.0
54		60.4	70.0	70.0
60		54.4	70.0	70.0
18	120	70.0	70.0	70.0
24		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		65.3	70.0	70.0
54	126	58.0	70.0	70.0
60		52.2	70.0	69.6
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42	132	70.0	70.0	70.0
48		62.0	70.0	70.0
54		55.1	70.0	70.0
60		49.6	70.0	66.2
18	138	70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		67.5	70.0	70.0
48		59.1	70.0	70.0
54	144	52.5	70.0	70.0
60		47.3	70.0	63.0
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42	150	64.5	70.0	70.0
48		56.4	70.0	70.0
54		50.1	70.0	66.8
60		45.1	67.7	60.1
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		70.0	70.0	70.0
42		61.7	70.0	70.0
48		53.9	70.0	70.0
54		48.0	70.0	63.9
60		43.2	64.7	57.5
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		68.9	70.0	70.0
42		59.1	70.0	70.0
48		51.7	70.0	68.9
54		46.0	68.9	61.3
60		41.4	62.0	55.1
18		70.0	70.0	70.0
24		70.0	70.0	70.0
30		70.0	70.0	70.0
36		66.2	70.0	70.0
42		56.7	70.0	70.0
48		49.6	70.0	66.2
54		44.1	66.2	58.8
60		39.7	59.6	52.9

ANCHORS TYPES: SEE TABLE BELOW FOR DESCRIPTION

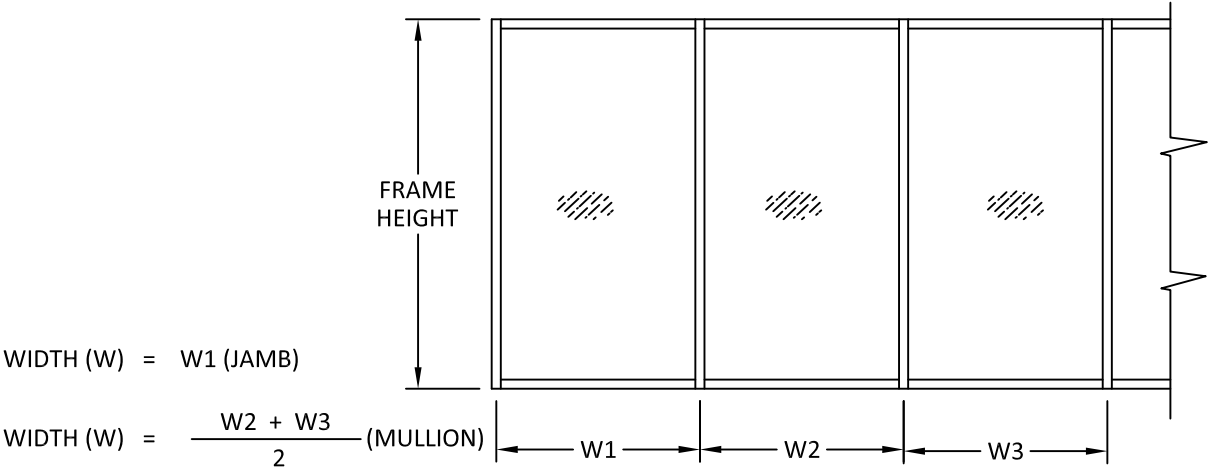
C2 = (2) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION
C3 = (3) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION

D2 = (2) ANCHORS TYPE 'D' AT JAMB OR EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION



- NOTE:
- FOR ITEM# 9: ANCHOR TYPE 'A' USE STAGGERED PATTERN
 - FOR ITEM# 16, 17 & 18: ANCHOR TYPE 'B' USE INLINE PATTERN



YHW 60 TU WINDOW WALL 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) OR 5/16" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	CONCRETE AT HEAD, SILL OR JAMBS F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M = 2000 PSI MIN.	1-3/4"	3"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
		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) OR 1/4" DIA. ULTRACON BY ELCO (Fu=177 KSI, Fy=155 KSI)	CONCRETE AT HEAD, SILL OR JAMBS F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M = 2000 PSI MIN.	1-3/4"	2-1/2"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
		MIN. S.G. = 0.55 WOOD	1-1/2"	1"	--
D	1/4" DIA. SELF-DRILLING SCREWS (GRADE 5)	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
		18 GA. MIN. STEEL STUD, Fy = 33 KSI MIN. WITH WOOD BACKING	1-1/2" IN WOOD	1" IN WOOD	STAGGERED SEE SHEETS 6 & 7



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

TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)

TYPE C & D ANCHOR TABLES

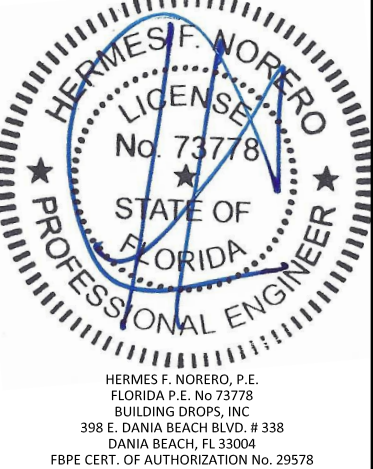
PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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FL #:	FL24567
DATE:	12.08.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK255
SECTION:	9

ANCHOR TYPE 'C & D' TABLES

ANCHOR LOAD CAPACITY - 'J4', 'J5', 'M5', 'M6', 'M7' & 'M8' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	54	90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42		90.0	90.0	90.0
48		90.0	90.0	90.0
54	60	90.0	90.0	90.0
60		90.0	90.0	90.0
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42	66	90.0	90.0	90.0
48		90.0	90.0	90.0
54		90.0	90.0	90.0
60		90.0	90.0	90.0
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30	72	90.0	90.0	90.0
36		90.0	90.0	90.0
42		90.0	90.0	90.0
48		90.0	90.0	90.0
54		90.0	90.0	90.0
60		82.7	90.0	90.0
18	78	90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42		90.0	90.0	90.0
48		90.0	90.0	90.0
54	84	84.8	90.0	90.0
60		76.4	90.0	90.0
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42	90	90.0	90.0	90.0
48		88.6	90.0	90.0
54		78.8	90.0	90.0
60		70.9	90.0	90.0
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30	96	90.0	90.0	90.0
36		90.0	90.0	90.0
42		88.6	90.0	90.0
48		77.6	90.0	90.0
54		68.9	90.0	90.0
60		62.0	90.0	82.7

ANCHOR LOAD CAPACITY - 'J4', 'J5', 'M5', 'M6', 'M7' & 'M8' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	102	90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42		83.4	90.0	90.0
48		73.0	90.0	90.0
54	109	64.9	90.0	86.5
60		58.4	87.6	77.8
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42	114	77.7	90.0	90.0
48		68.0	90.0	90.0
54		60.4	90.0	80.6
60		54.4	81.6	72.5
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30	120	90.0	90.0	90.0
36		87.1	90.0	90.0
42		74.6	90.0	90.0
48		65.3	90.0	87.1
54		58.0	87.1	77.4
60		52.2	78.4	69.6
18	126	90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		82.7	90.0	90.0
42		70.9	90.0	90.0
48		62.0	90.0	82.7
54	132	55.1	82.7	73.5
60		49.6	74.4	66.2
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30		90.0	90.0	90.0
36		78.8	90.0	90.0
42	138	67.5	90.0	90.0
48		59.1	88.6	78.8
54		52.5	78.8	70.0
60		47.3	70.9	63.0
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30	144	90.0	90.0	90.0
36		75.2	90.0	90.0
42		64.5	90.0	85.9
48		56.4	84.6	75.2
54		50.1	75.2	66.8
60		45.1	67.7	60.1
18	150	90.0	90.0	90.0
24		90.0	90.0	90.0
30		86.3	90.0	90.0
36		71.9	90.0	90.0
42		61.7	90.0	82.2
48		53.9	80.9	71.9
54		48.0	71.9	63.9
60		43.2	64.7	57.5
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30		82.7	90.0	90.0
36		68.9	90.0	90.0
42		59.1	88.6	78.8
48		51.7	77.6	68.9
54		46.0	68.9	61.3
60		41.4	62.0	55.1
18		90.0	90.0	90.0
24		90.0	90.0	90.0
30		79.4	90.0	90.0
36		66.2	90.0	88.2
42		56.7	85.1	75.6
48		49.6	74.4	66.2
54		44.1	66.2	58.8
60		39.7	59.6	52.9

ANCHOR LOAD CAPACITY - 'M4' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	54	50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54	60	50.0	50.0	50.0
60		50.0	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42	66	50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		50.0	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30	72	50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		50.0	50.0	50.0
18	78	50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54	84	50.0	50.0	50.0
60		50.0	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42	90	50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		50.0	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30	96	50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		50.0	50.0	50.0

ANCHOR LOAD CAPACITY - 'M4' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	102	50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54	109	50.0	50.0	50.0
60		50.0	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42	114	50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		50.0	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30	120	50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		49.6	50.0	50.0
18	126	50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54	132	50.0	50.0	50.0
60		47.3	50.0	50.0
18		50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42	138	50.0	50.0	50.0
48		50.0	50.0	50.0
54		50.0	50.0	50.0
60		48.0	50.0	50.0
18		43.2	50.0	50.0
24		50.0	50.0	50.0
30	144	50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		50.0	50.0	50.0
54		46.0	50.0	50.0
60		41.4	50.0	50.0
18	150	50.0	50.0	50.0
24		50.0	50.0	50.0
30		50.0	50.0	50.0
36		50.0	50.0	50.0
42		50.0	50.0	50.0
48		49.6	50.0	50.0
54		44.1	50.0	50.0
60		39.7	50.0	50.0

ANCHOR LOAD CAPACITY - 'M3' EXT. (+) & INT. (-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		ANCHORS TYPE 'D'
WIDTH (W)	FRAME HEIGHT	C2	C3	D2
18	54	75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54		75.0	75.0	75.0
60		75.0	75.0	75.0
18	60	75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54	66	75.0	75.0	75.0
60		75.0	75.0	75.0
18		75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54	72	75.0	75.0	75.0
60		75.0	75.0	75.0
18		75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54	78	75.0	75.0	75.0
60		75.0	75.0	75.0
18		75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54	84	75.0	75.0	75.0
60		75.0	75.0	75.0
18		75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54	90	75.0	75.0	75.0
60		70.9	75.0	75.0
18		75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42		75.0	75.0	75.0
48		75.0	75.0	75.0
54	96	73.5	75.0	75.0
60		66.2	75.0	75.0
18		75.0	75.0	75.0
24		75.0	75.0	75.0
30		75.0	75.0	75.0
36		75.0	75.0	75.0
42	96	75.0	75.0	75.0
48		75.0	75.0	75.0
54		68.9	75.0	75.0
60		62.0	75.0	75.0

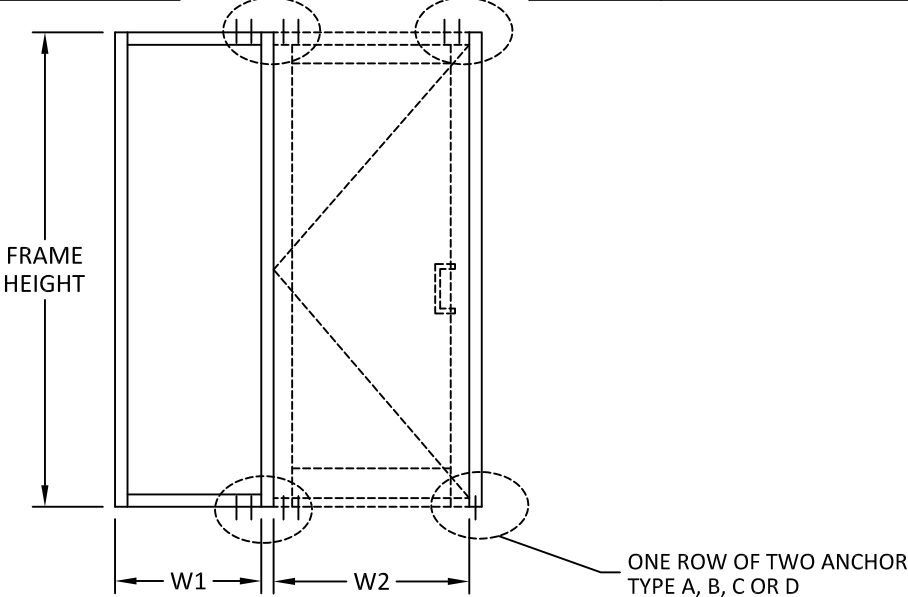
DOOR MULLION LOAD & ANCHOR TABLES

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD AND SILL
A	6
B	4
C	8
D	6

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR JAMB MULLION HEAD AND SILL
A	3
B	2
C	4
D	3

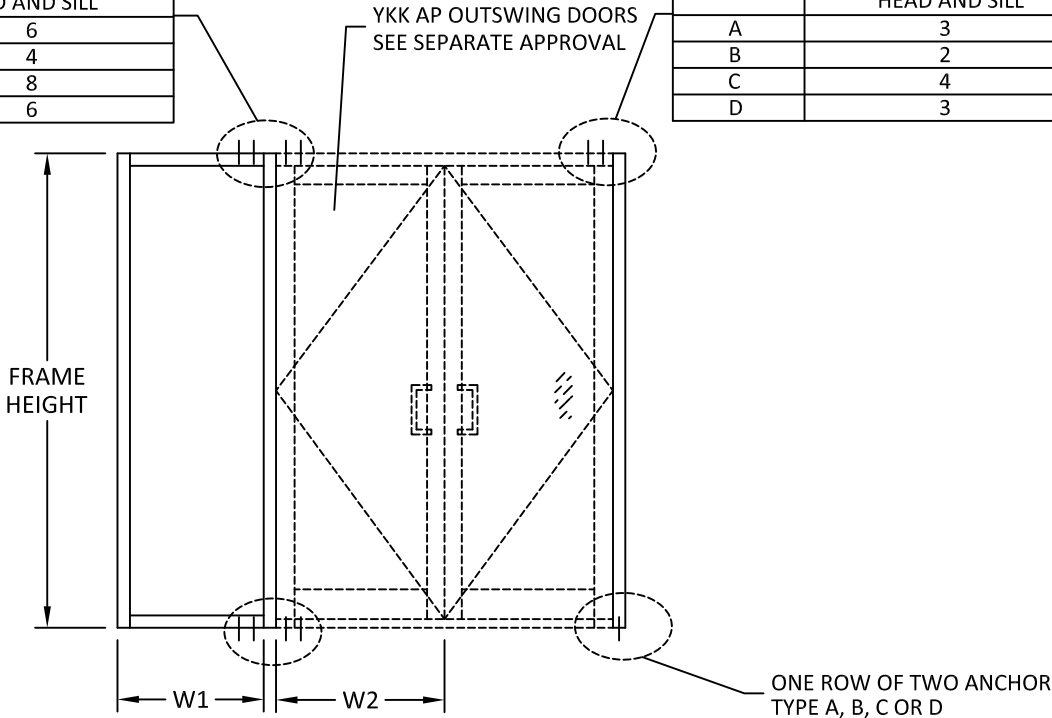
ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD AND SILL
A	6
B	4
C	8
D	6

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR JAMB MULLION HEAD AND SILL
A	3
B	2
C	4
D	3



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

SINGLE DOOR

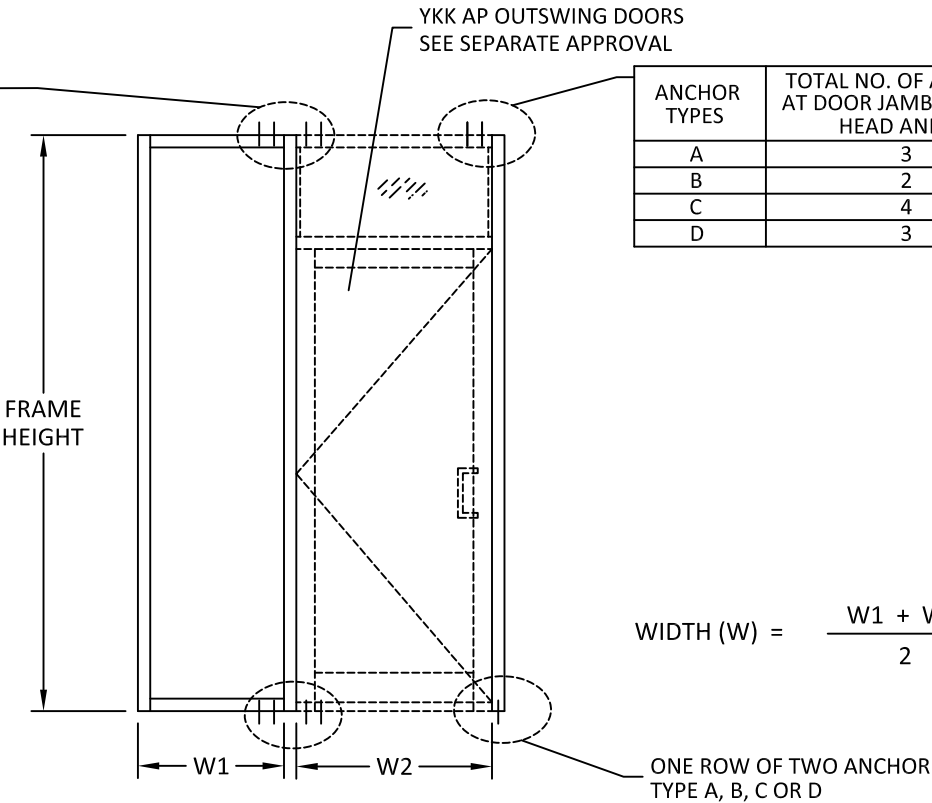


WIDTH (W) = $\frac{W1 + W2}{2}$

DOUBLE DOOR

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD AND SILL
A	6
B	4
C	8
D	6

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR JAMB MULLION HEAD AND SILL
A	3
B	2
C	4
D	3



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

SINGLE DOOR WITH TRANSOM



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

TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)
DOOR MULLION &
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

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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 #:
FL24567

DATE: **12.08.17**

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

SCALE: **NTS**

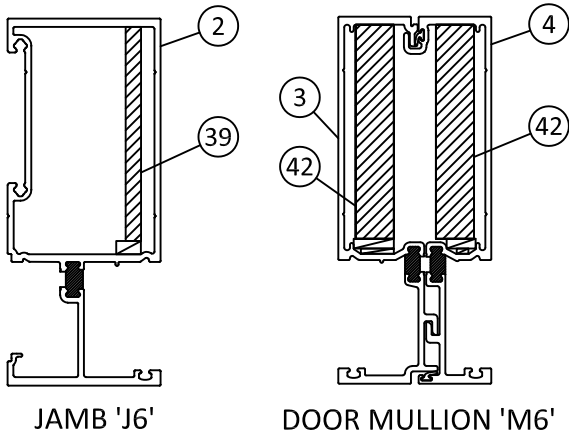
DWG. #: **YKK255**

SECTION:
11
OF 19

DOOR MULLION LOAD & ANCHOR TABLES

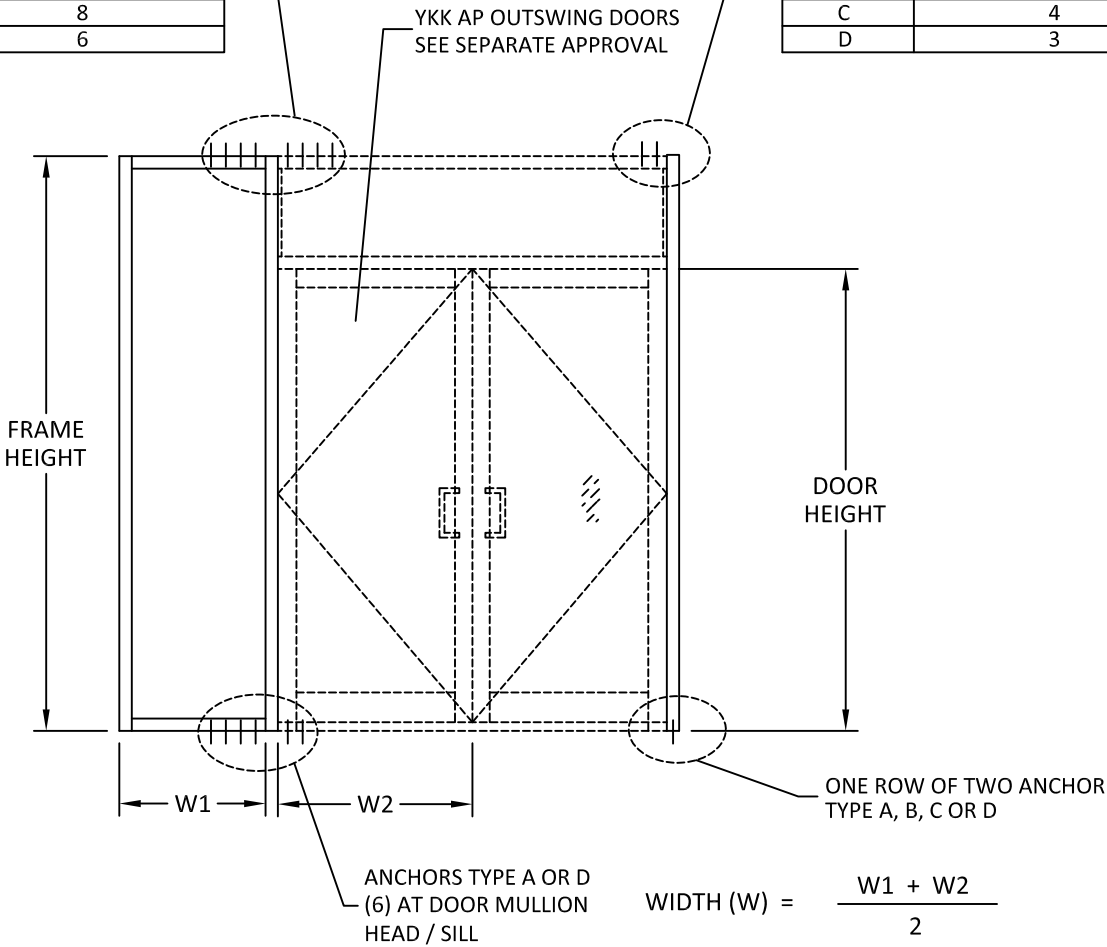
JAMB/MULLION LOAD CAPACITY - SINGLE SPAN (+/- PSF)			
NOMINAL DIMS.		JAMB 'J6'	MULLION 'M8'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	54	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	60	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	66	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	72	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	78	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	84	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	90	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
18	96	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)			
NOMINAL DIMS.		JAMB 'J6'	MULLION 'M8'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18	102	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		81.7	90.0
18	109	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		88.6	90.0
54		78.7	90.0
60		70.9	90.0
18	114	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		81.7	90.0
54		72.7	90.0
60		65.4	90.0
18	120	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		84.3	90.0
48		73.8	90.0
54		65.6	90.0
60		59.0	90.0
18	126	90.0	90.0
24		90.0	90.0
30		90.0	90.0
36		86.0	90.0
42		73.7	90.0
48		64.5	90.0
54		57.3	90.0
60		51.6	83.9
18	132	90.0	90.0
24		90.0	90.0
30		89.8	90.0
36		74.8	90.0
42		64.1	90.0
48		56.1	90.0
54		49.9	81.1
60		44.9	73.0
18	138	90.0	90.0
24		90.0	90.0
30		78.6	90.0
36		65.5	90.0
42		56.1	90.0
48		49.1	79.8
54		43.7	70.9
60		39.3	63.9
18	144	90.0	90.0
24		86.4	90.0
30		69.2	90.0
36		57.6	90.0
42		49.4	80.3
48		43.2	70.3
54		38.4	62.4
60		34.6	56.2
18	150	90.0	90.0
24		76.5	90.0
30		61.2	90.0
36		51.0	82.9
42		43.7	71.0
48		38.2	62.2
54		34.0	55.2
60		30.6	49.7



ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD AND SILL
A	6
B	4
C	8
D	6

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR JAMB MULLION HEAD AND SILL
A	3
B	2
C	4
D	3



DOUBLE DOOR WITH TRANSOM



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

TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)
DOOR MULLION &
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

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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 #:
FL24567

DATE: **12.08.17**

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

SCALE: **NTS**

DWG. #: **YKK255**

SECTION:
12
OF 19

VERTICAL SECTIONS

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



REMARKS	BY	DATE

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL24567

DATE: 12.08.17

DWG. BY:

RV

HK. BY:
HFN

SCALE: **NTS**

DWG. #: YKK255

SECTION:

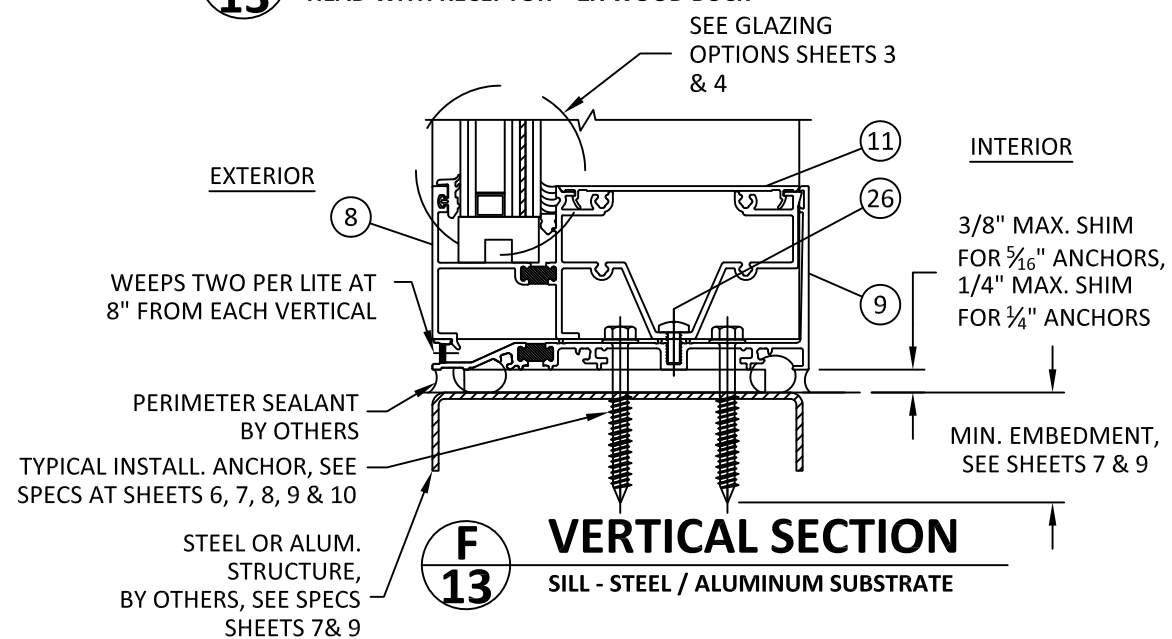
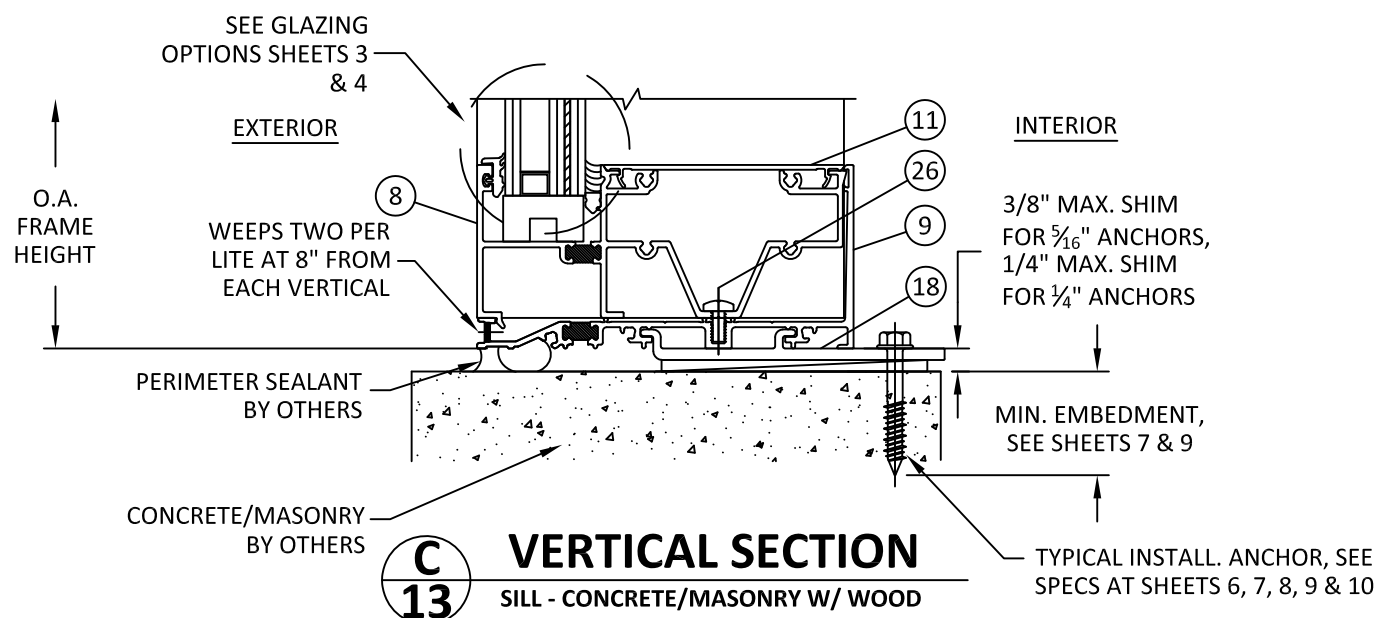
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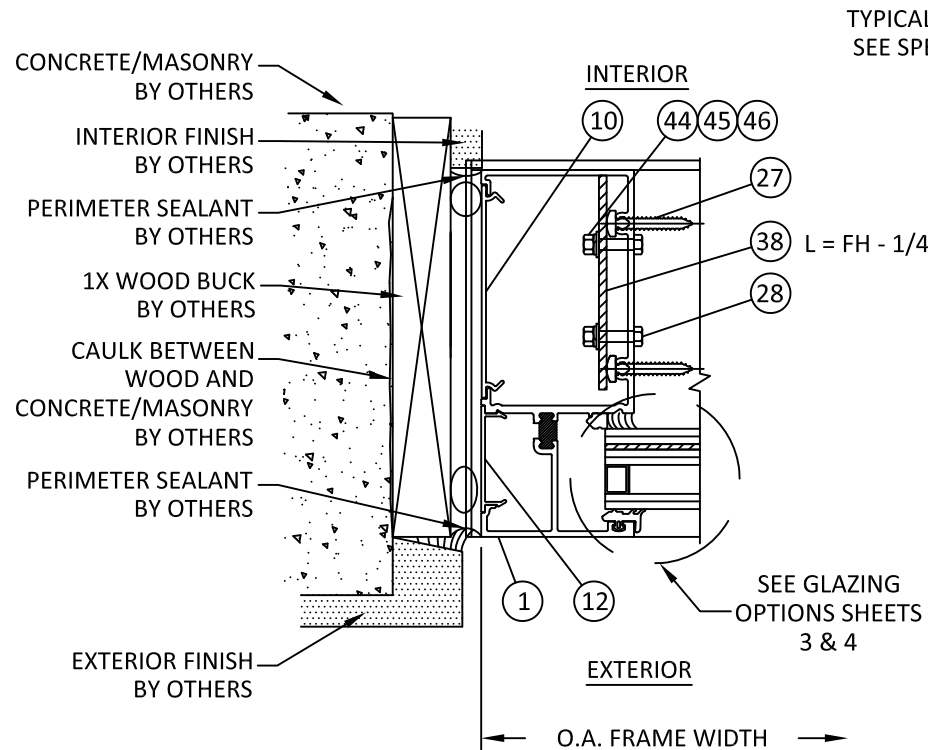
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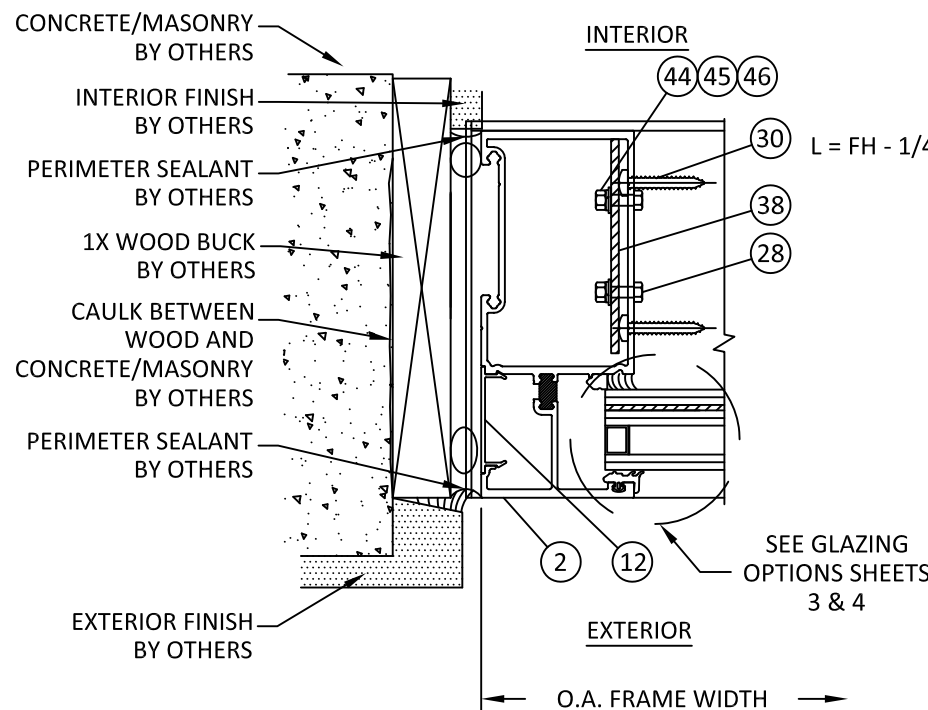
LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
58.5	83.8	90 PSF
45.5	106.5	90 PSF

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

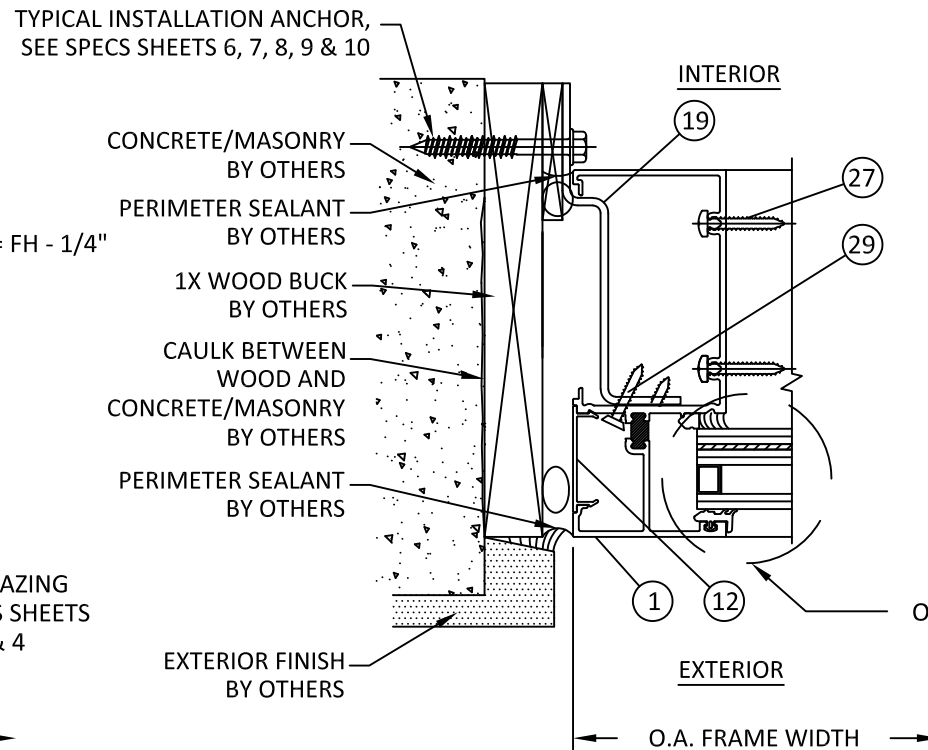




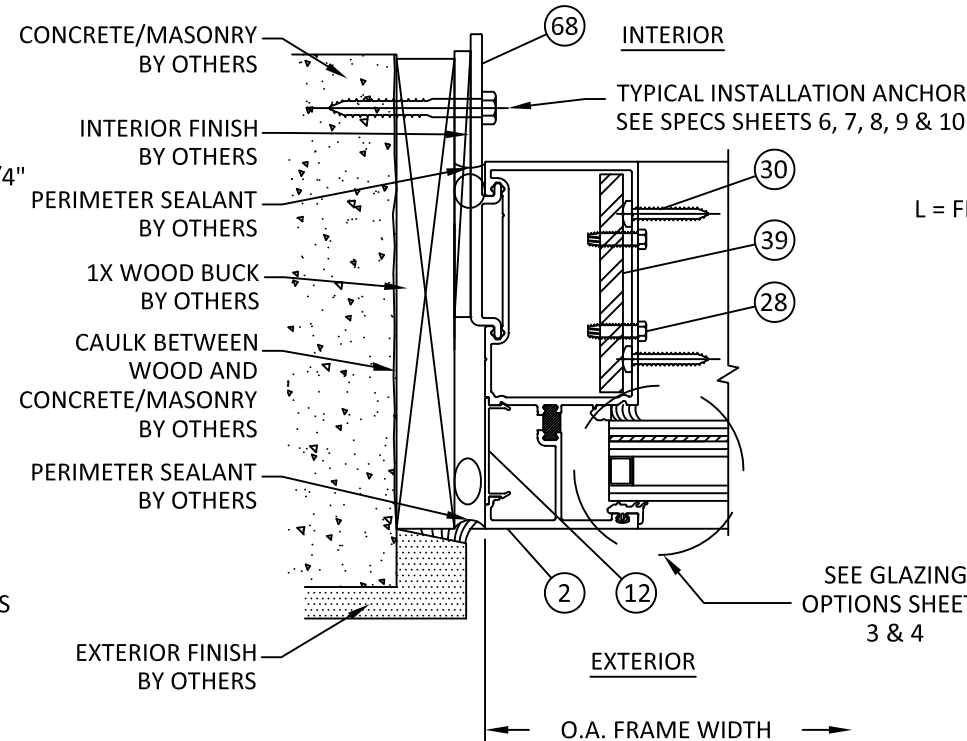
G **HORIZONTAL SECTION**
14 JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



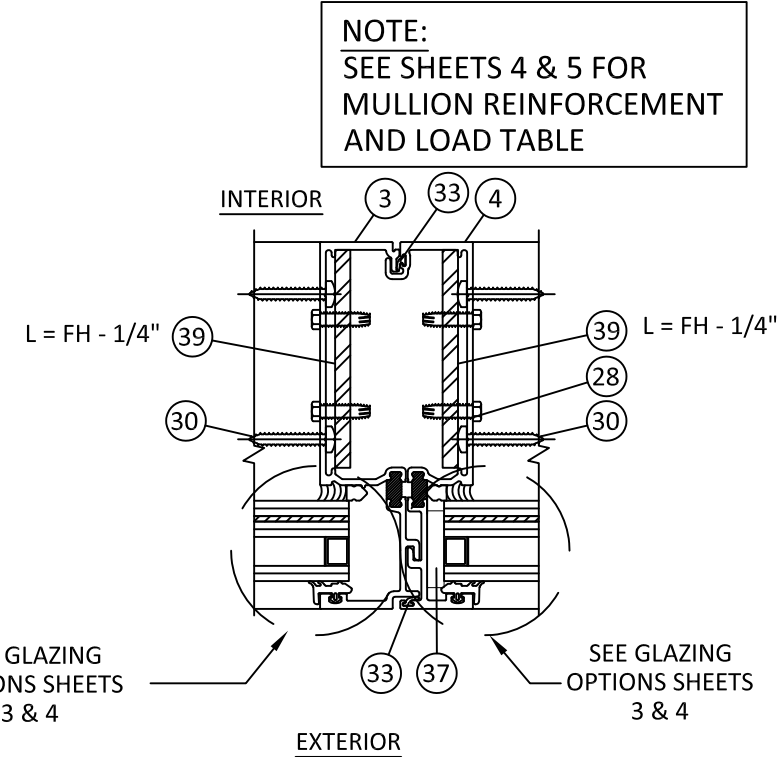
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14 JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



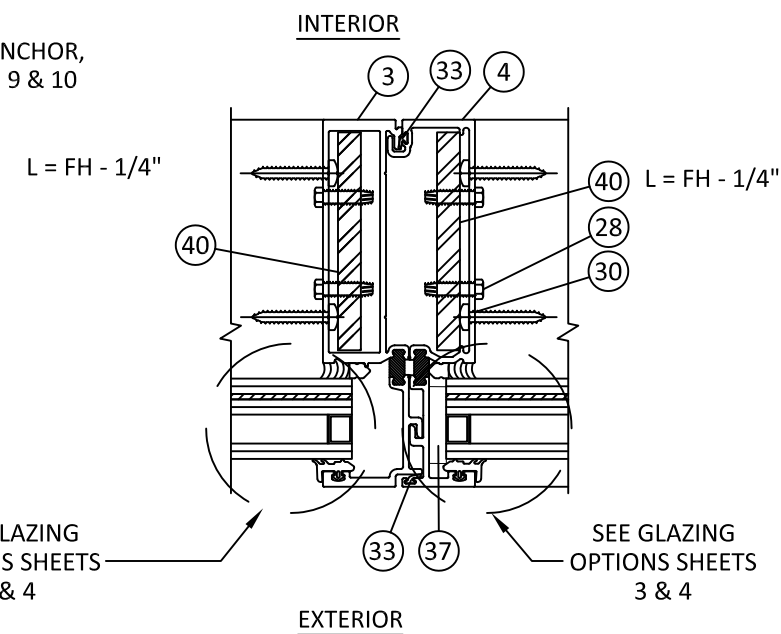
H **HORIZONTAL SECTION**
14 JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



K **HORIZONTAL SECTION**
14 JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



I **HORIZONTAL SECTION**
14 MULLION - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



L **HORIZONTAL SECTION**
14 MULLION - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION

NOTE:
SEE SHEETS 4 & 5 FOR
MULLION REINFORCEMENT
AND LOAD TABLE



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

TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)

HORIZONTAL SECTIONS

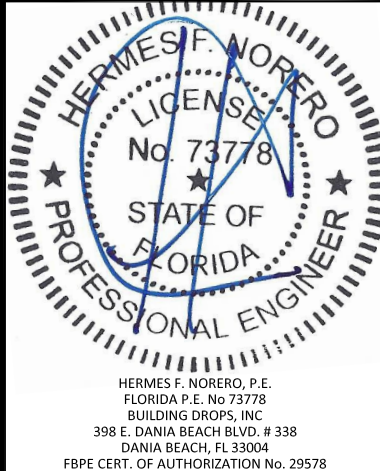
PREPARED BY:
BUILDING DROPS, INC.

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



REMARKS	BY	DATE

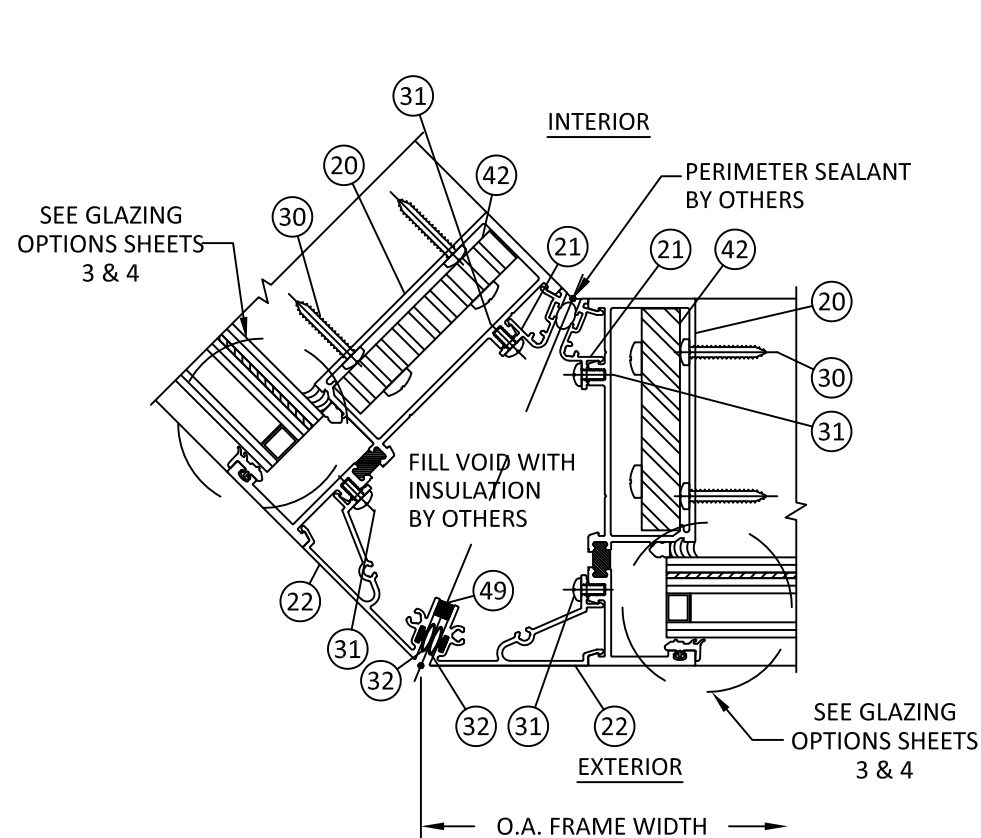
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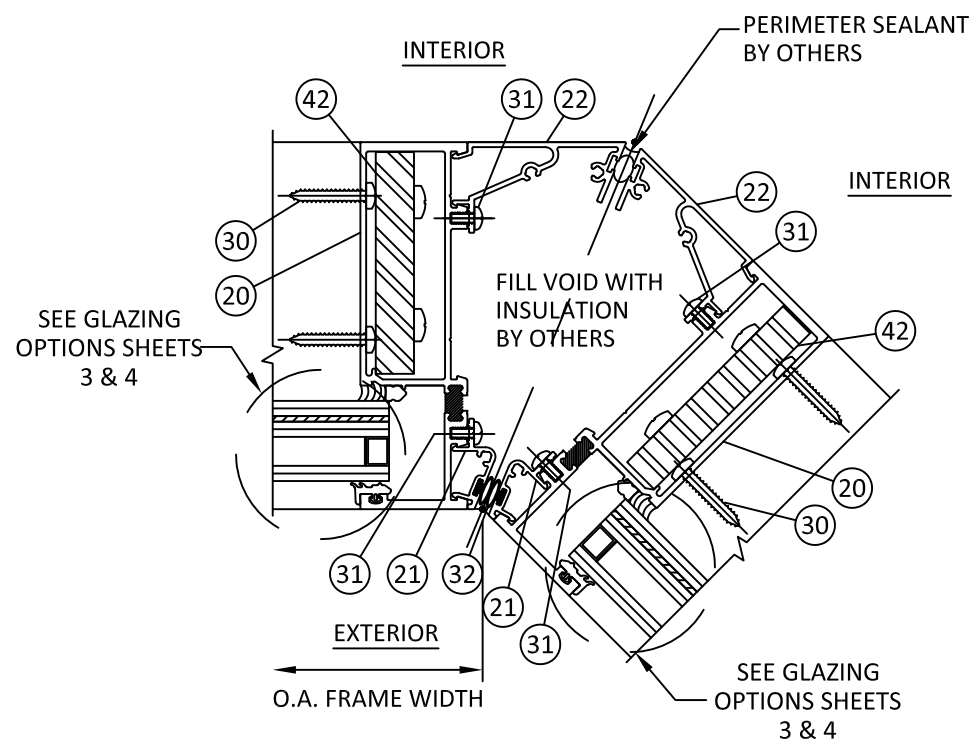
FL #:	FL24567
DATE:	12.08.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK255
SECTION:	14

9/14/2020 4:58 PM

s:\projects\ykk ap america, inc\cc-20-0238 fbc submittal - fbc 2020 code change\1724567-1\dwgs\ykk255 yhw 60 tu wz3.dwg

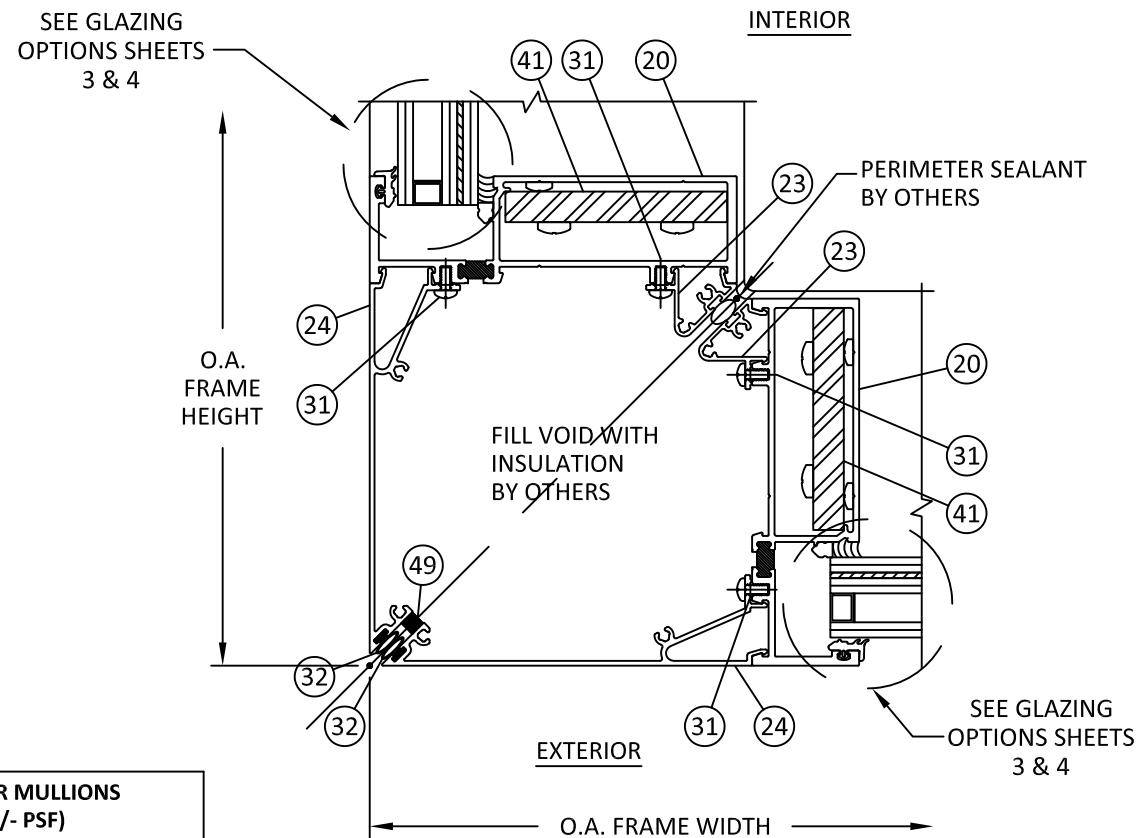


M
15 **HORIZONTAL SECTION**
135° OUTSIDE CORNER
STANDARD CONFIGURATION

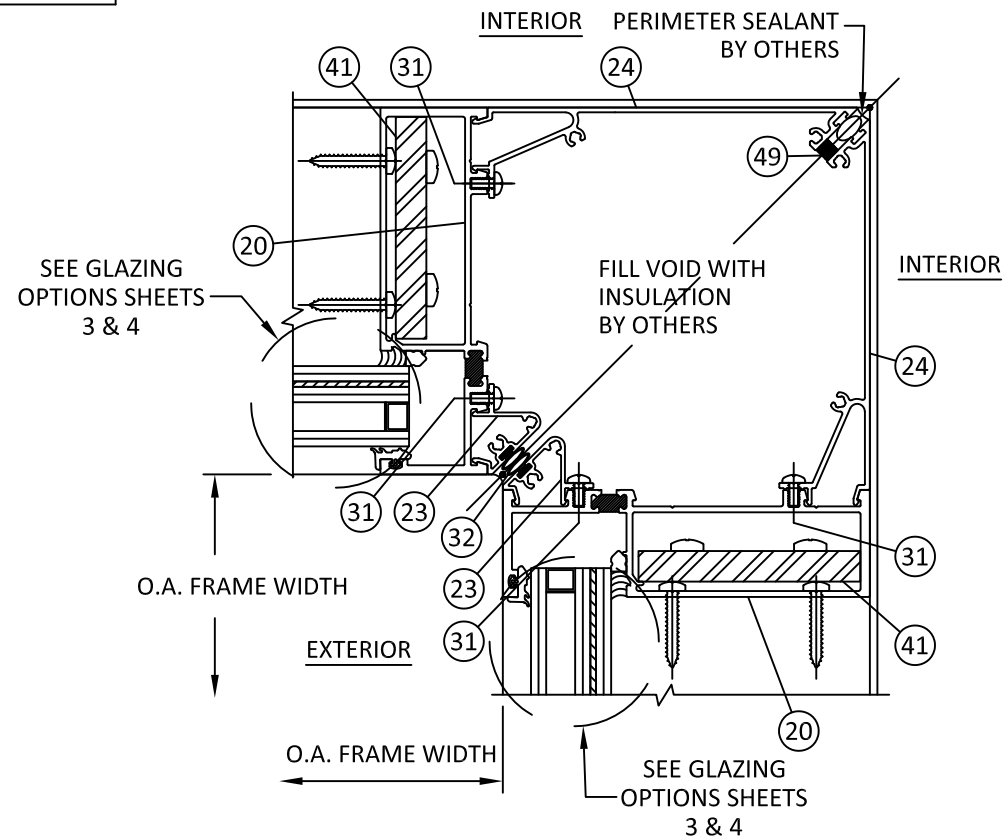


O
15 **HORIZONTAL SECTION**
135° INSIDE CORNER
STANDARD CONFIGURATION

CORNER MULLIONS (+/- PSF)	
MAX. 'Span'	EXT. (+) INT. (-)
120	90



N
15 **HORIZONTAL SECTION**
90° OUTSIDE CORNER
STANDARD CONFIGURATION



P
15 **HORIZONTAL SECTION**
90° INSIDE CORNER
STANDARD CONFIGURATION



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

TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)

CORNERS & DOOR DETAILS

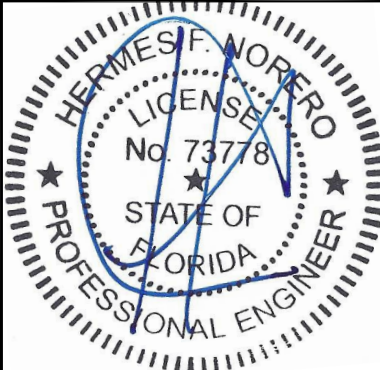
PREPARED BY:
BUILDING DROPS, INC.

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

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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 #:
FL24567

DATE: **12.08.17**

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

SCALE: **NTS**

DWG. #: **YKK255**

SECTION:

15

OF 19

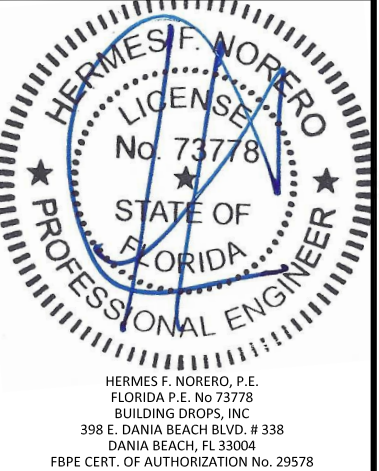
TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)
CORNERS & DOOR DETAILS

PREPARED BY:
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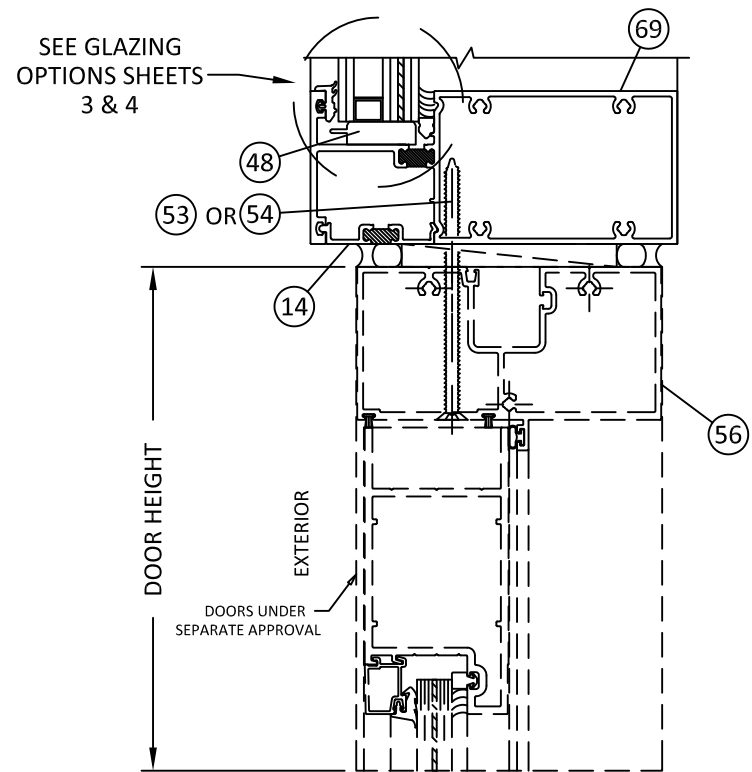


REMARKS	BY	DATE

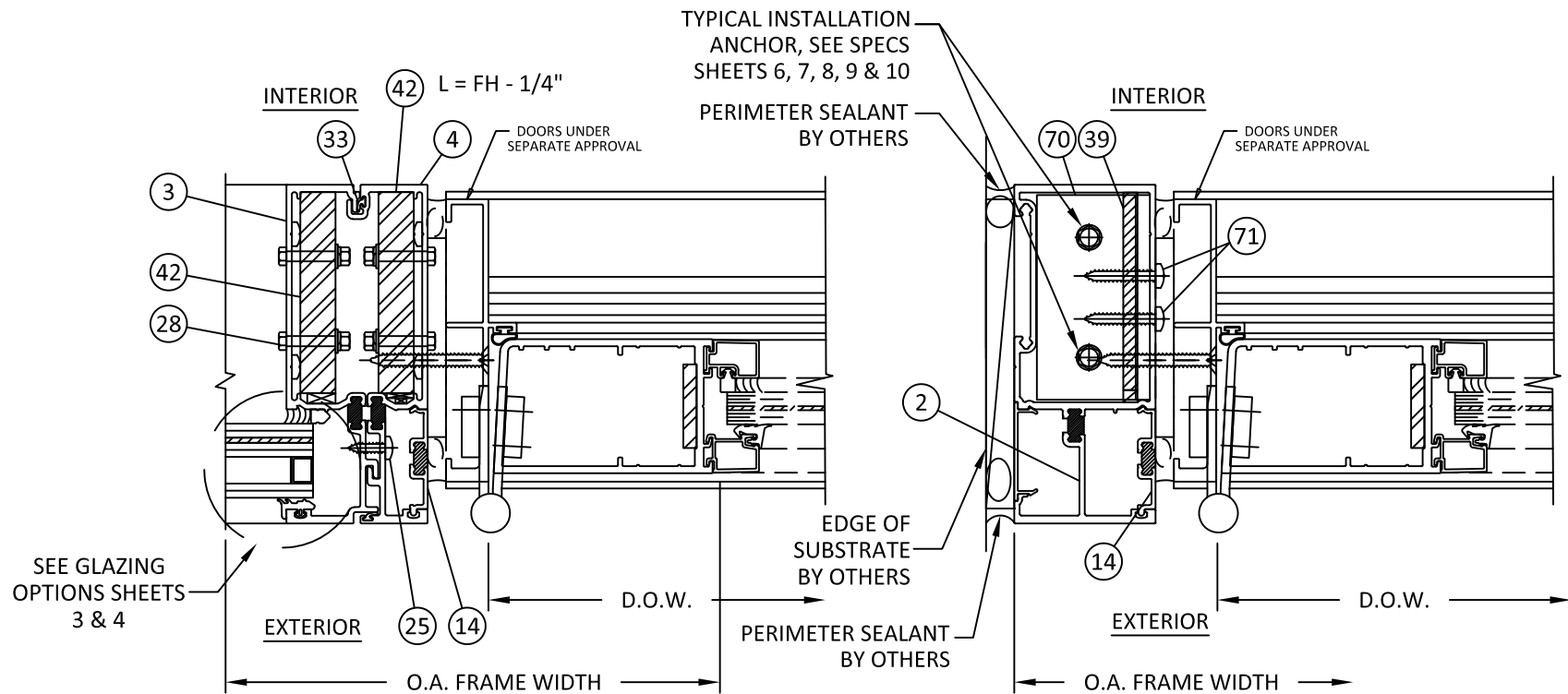
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FL #:	FL24567
DATE:	12.08.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK255
SECTION:	16

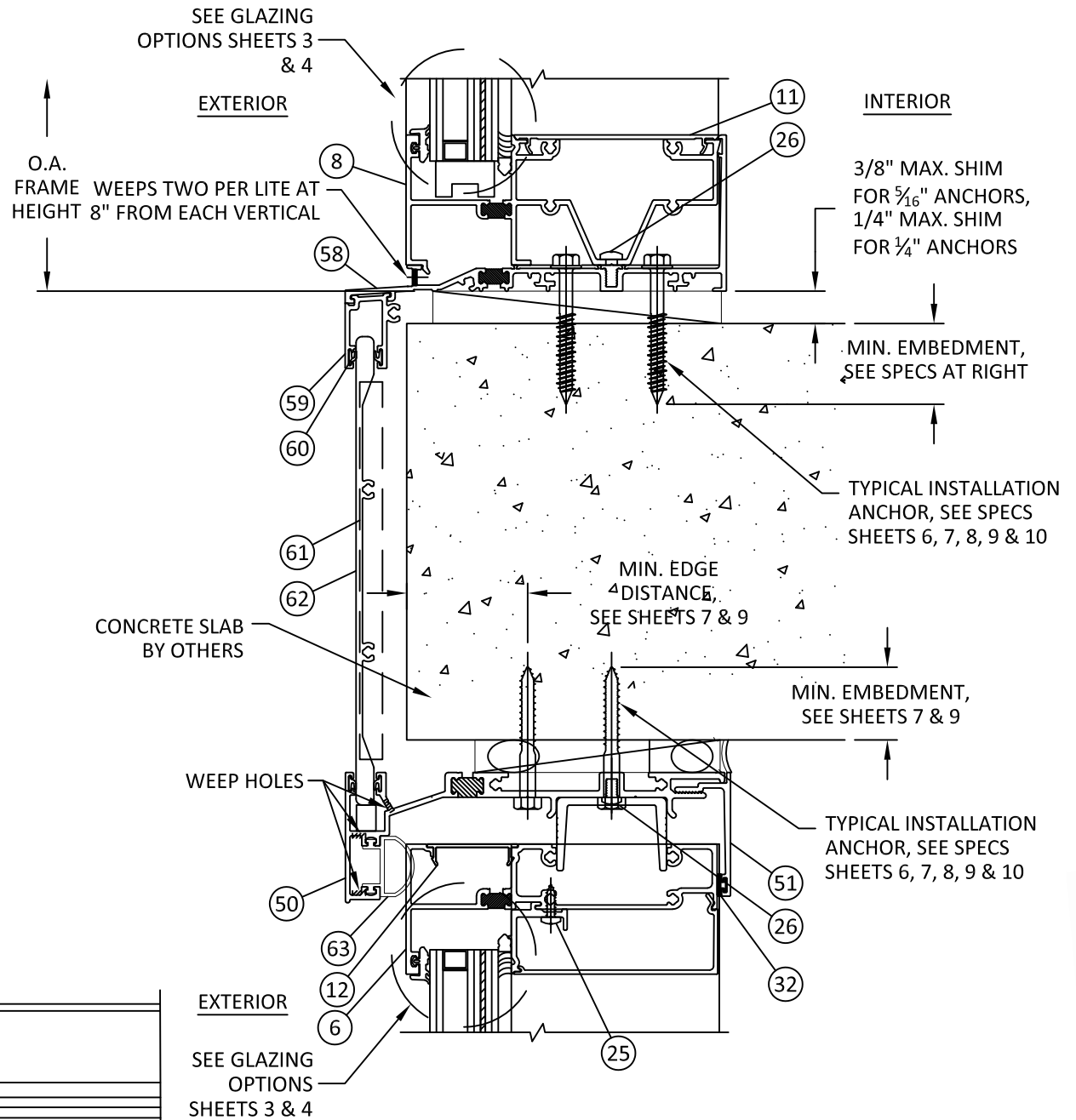


Q
16 VERTICAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION



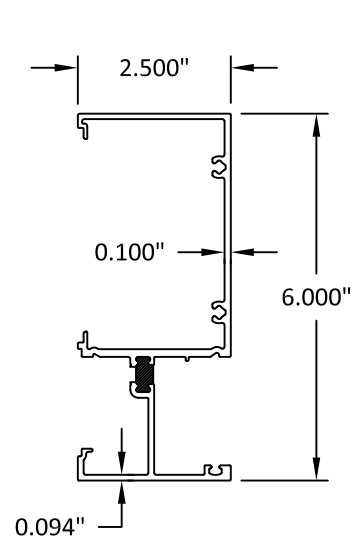
R
16 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION

S
16 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK
STANDARD CONFIGURATION

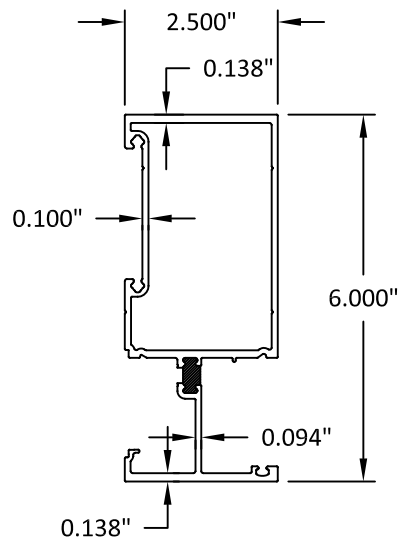


T
16 HORIZONTAL SECTION
SLAB EDGE CONFIGURATION

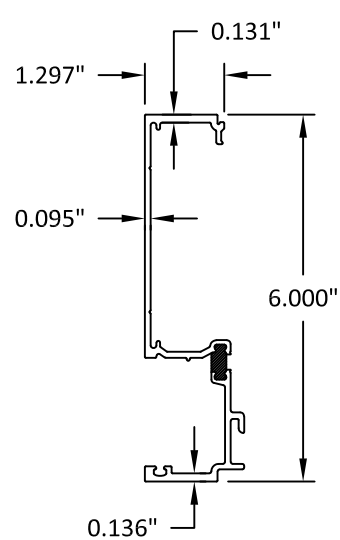
NOTE:
THE SLAB EDGE PLATE DETAIL SHOWN
QUALIFIES THE USE OF SMALLER SLAB EDGE
PLATES



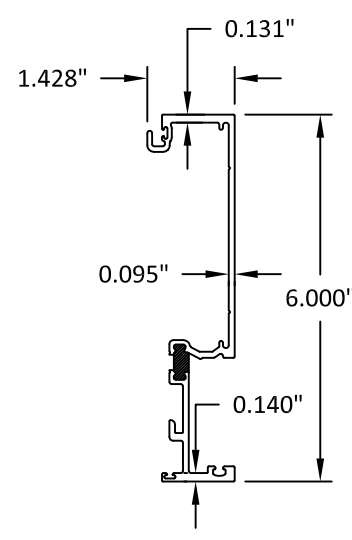
1 JAMB



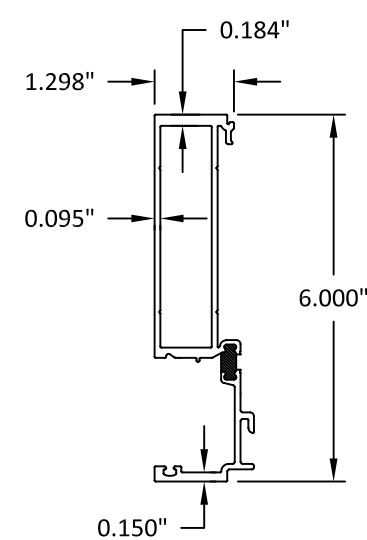
2 HEAVY DUTY JAMB MULLION



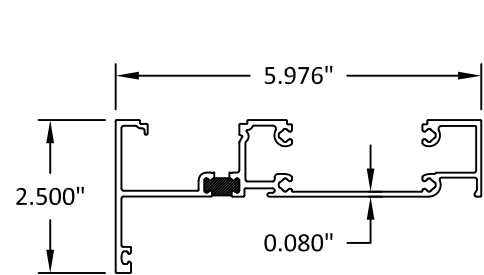
3 MALE MULLION



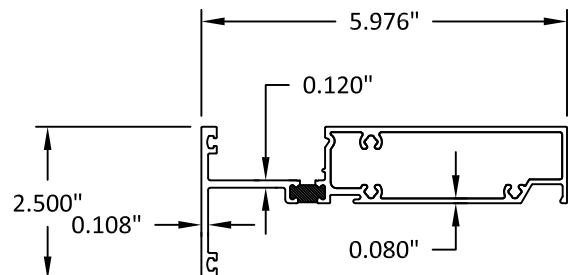
4 FEMALE MULLION



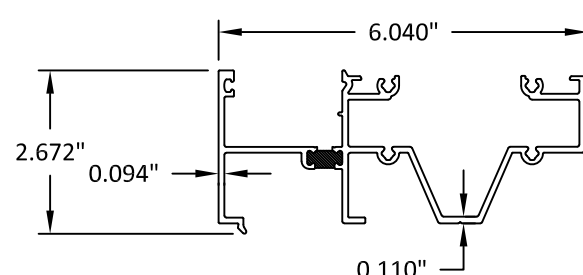
5 HEAVY DUTY MALE MULLION



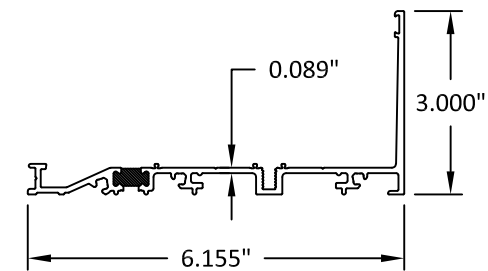
6 HEAD



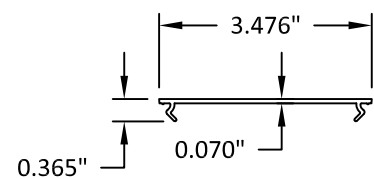
7 HORIZONTAL



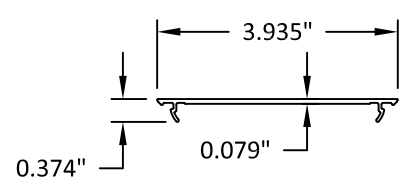
8 SILL



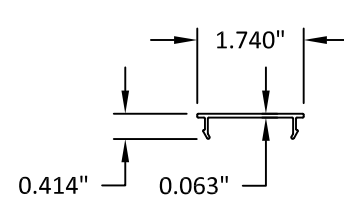
9 SILL FLASHING



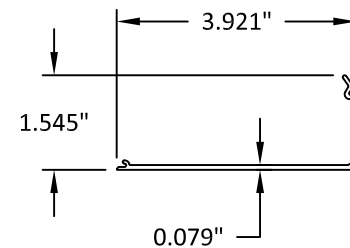
10 FLAT FILLER



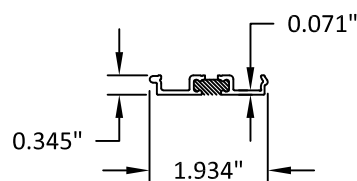
11 FLUSH FILLER



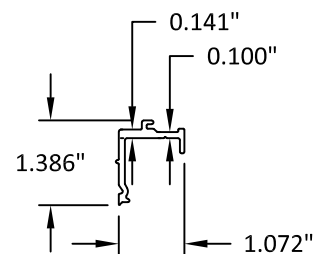
12 PVC PERIMETER FILLER



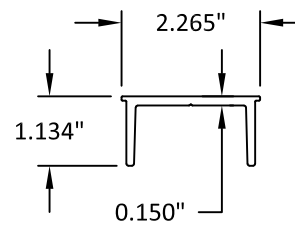
13 INTERIOR COVER



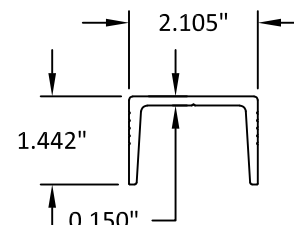
14 FLAT FILLER



15 GLASS STOP



16 ANCHOR



17 RECEPTOR ANCHOR



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

TITLE: YHW 60 TU WINDOW WALL SYSTEM (WZ3) (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

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FL #: FL24567

DATE: 12.08.17

DWG. BY: RV

CHK. BY: HFN

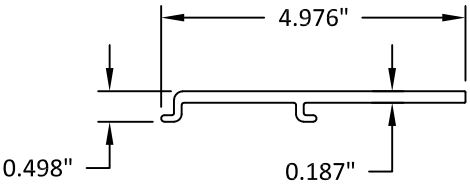
SCALE: NTS

DWG. #: YKK255

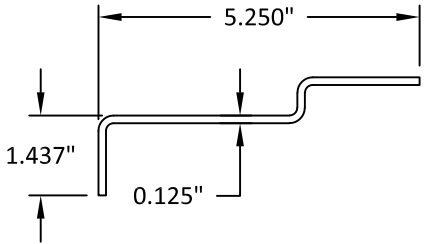
SECTION:

17

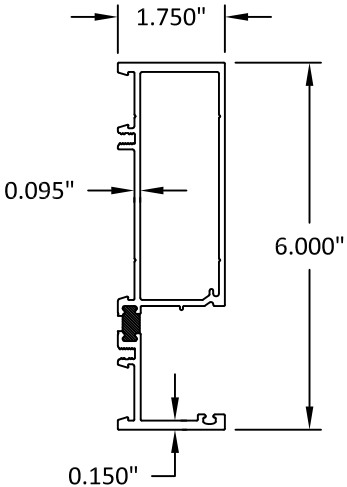
OF 19



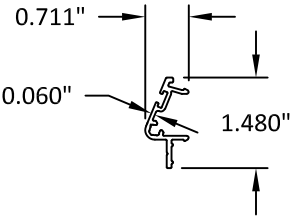
18 STRAP ANCHOR



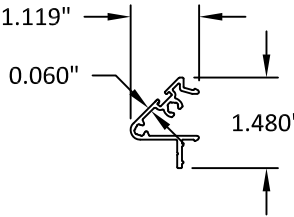
19 JAMB ANCHOR



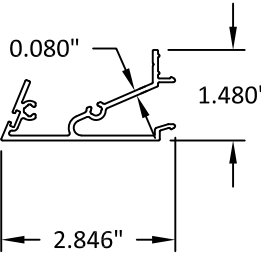
20 CORNER MULLION HALF



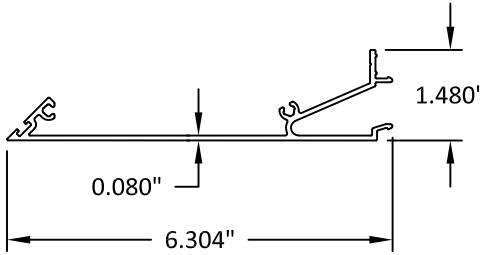
21 135° CORNER COVER (SMALL)



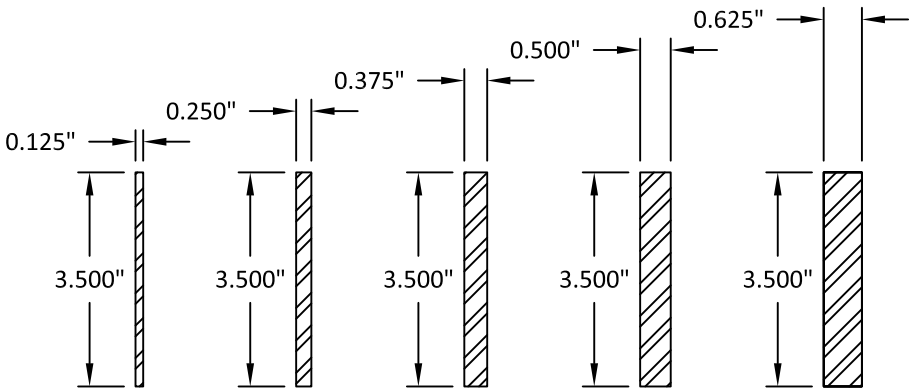
23 90° CORNER COVER (SMALL)



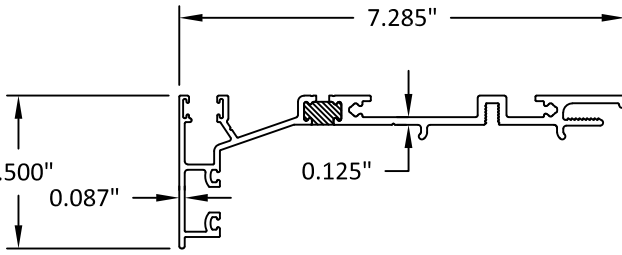
22 135° CORNER COVER (LARGE)



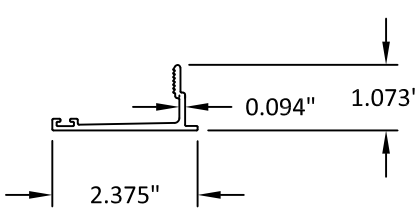
24 90° CORNER COVER (LARGE)



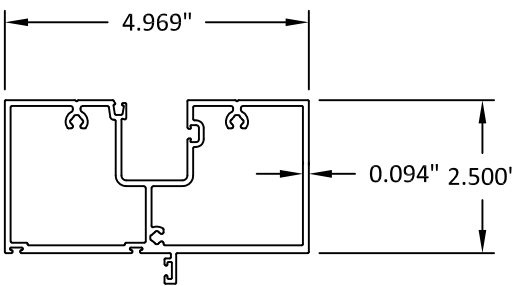
38 39 40 41 42 STEEL REINFORCEMENT BAR



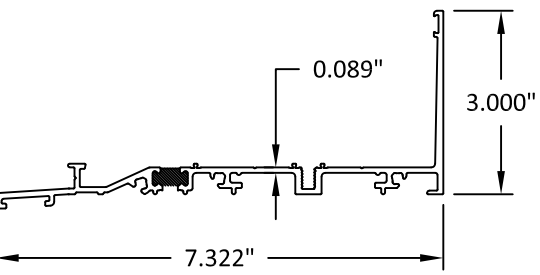
50 HEAD RECEPTOR



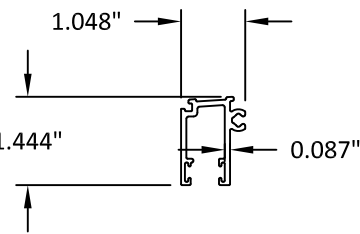
51 RECEPTOR SNAP COVER



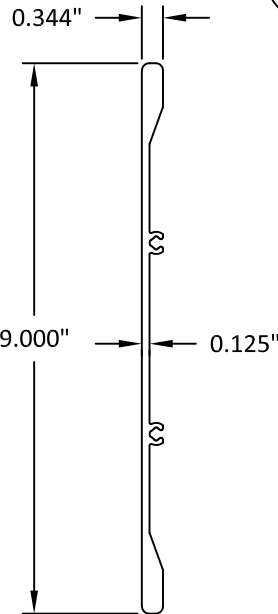
55 DOOR HEAD



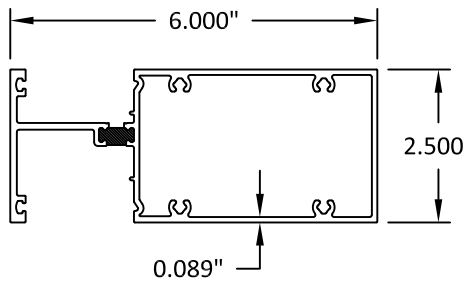
58 SILL FLASHING



59 ALUMINUM PLATE ADAPTOR



62 9" SLAB EDGE COVER



69 MULLION



YKK AP America, Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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TITLE: YHW 60 TU WINDOW WALL SYSTEM (WZ3) (IMPACT)

COMPONENTS

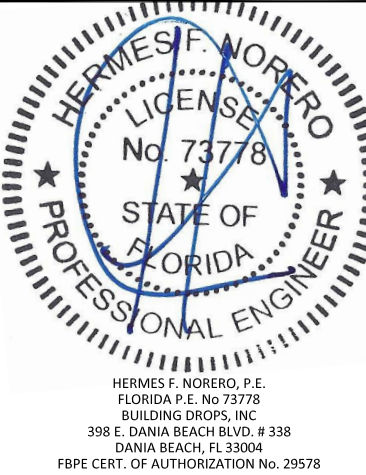
PREPARED BY:

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FL #:	FL24567
DATE:	12.08.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK255
SECTION:	18 OF 19

BILL OF MATERIALS				
ITEM	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	BE9-2725	JAMB	6063-T5	YKK AP
2	BE9-2738	HEAVY DUTY JAMB MULLION	6063-T5	YKK AP
3	BE9-2723	MALE MULLION	6063-T5	YKK AP
4	BE9-2724	FEMALE MULLION	6063-T5	YKK AP
5	BE9-2737	HEAVY DUTY MALE MULLION	6063-T5	YKK AP
6	BE9-2726	HEAD	6063-T5	YKK AP
7	BE9-2727	HORIZONTAL	6063-T5	YKK AP
8	BE9-2728	SILL	6063-T5	YKK AP
9	BE9-2729	SILL FLASHING	6063-T5	YKK AP
10	E3-0023	FLAT FILLER	PVC	---
11	E9-2293	FLUSH FILLER	6063-T5	YKK AP
12	E3-3664	PVC PERIMETER FILLER	PVC	---
13	E9-2731	INTERIOR COVER	6063-T5	YKK AP
14	BE9-2734	FLAT FILLER	6063-T5	YKK AP
15	E9-2730	GLASS STOP	6063-T5	YKK AP
16	E9-2732	ANCHOR	6063-T5	YKK AP
17	E9-2744	RECEPTOR ANCHOR	6063-T5	YKK AP
18	E9-2733	STRAP ANCHOR	6063-T5	YKK AP
19	E1-1192	JAMB ANCHOR	A36 STEEL	---
20	BE9-2736	CORNER MULLION HALF	6063-T5	YKK AP
21	E9-2743	135° CORNER COVER (SMALL)	6063-T5	YKK AP
22	E9-2742	135° CORNER COVER (LARGE)	6063-T5	YKK AP
23	E9-2741	90° CORNER COVER (SMALL)	6063-T5	YKK AP
24	E9-2740	90° CORNER COVER (LARGE)	6063-T6	YKK AP
25	PC-1210	#12 X 5/8" PHSMS TYPE AB	ZINC PLATED STEEL	---
26	PM-2508-SS	#1/4"-20 X 1/2" PHMS SS	STAINLESS STEEL	---
27	PC-1224	#12 X 1-1/2" PHSMS TYPE AB	ZINC PLATED STEEL	---
28	HF-2516-W1	#1/4"-20 X 1" HWHS TYPE F	ZINC PLATED STEEL	---
29	FC-1216	#12 X 1" FHSMS TYPE AB	ZINC PLATED STEEL	---
30	PC-1220	#12 X 1-1/4" PHSMS TYPE AB	ZINC PLATED STEEL	---
31	PM-1006-SS	#10-24 X 3/8" PHMS SS	STAINLESS STEEL	---
32	E2-0051	AIRTIGHT GASKET	SANTOPRENE	---
33	E2-7010	WEATHER SEAL GASKET	EPDM	---
34	E2-9801	DART GASKET	EPDM	---
35	E2-0359	PUSH-IN SPACER	SCR900	---
36	E2-0519	ANTI-WALK BLOCK	EPDM	---
37	E2-0096	SIDE BLOCK	EPDM	---
38	-	1/8" X 3-1/2" STEEL REINFORCEMENT BAR	A36 STEEL	---
39	E1-0164	1/4" X 3-1/2" STEEL REINFORCEMENT BAR	A36 STEEL	---
40	-	3/8" X 3-1/2" STEEL REINFORCEMENT BAR	A36 STEEL	---
41	-	1/2" X 3-1/2" STEEL REINFORCEMENT BAR	A36 STEEL	---
42	-	5/8" X 3-1/2" STEEL REINFORCEMENT BAR	A36 STEEL	---
44	WS-2500	1/4" LOCK WASHER	ZINC PLATED STEEL	---
45	HM-2500	1/4"-20 NUT HHMS	ZINC PLATED STEEL	---

BILL OF MATERIALS				
ITEM	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
46	WW-2500	1/4" FLAT WASHER	ZINC PLATED STEEL	---
47	E2-0095	SETTING BLOCK	EPDM (85±5)	---
48	E2-0168	SETTING BLOCK	EPDM (85±5)	---
49	E2-0110	SPACER TAPE	Polyurethane Foam	---
50	BE9-2739	HEAD RECEPTOR	6063-T5	YKK AP
51	E9-8720	RECEPTOR SNAP COVER	6063-T5	YKK AP
53		#14 X 4" FHSMS TYPE AB	ZINC PLATED STEEL	---
54		1/4" X 5" FH TAPCON MIN 2-1/8" EMBEDMENT	ZINC PLATED STEEL	---
56	AS-0501	DOOR HEAD O/P	6063-T5	YKK AP
58	BE9-2735	SILL FLASHING FOR SLAB EDGE	6063-T5	YKK AP
59	E9-8222	ALUMINUM PLATE ADAPTOR	6063-T5	YKK AP
60	E2-0065	WEATHERING GASKET	EPDM	---
61	E1-9956	END CAP	ALUM SHEET	---
62	E9-8428	9" ALUMINUM PLATE	6063-T5	YKK AP
63	E2-0097	HEAD RECEPTOR GASKET	SILICONE	---
64	E2-0801	DART GASKET	EPDM	---
67	E2-0802	WEDGE GASKET	EPDM	---
68	E1-1191	STRAP ANCHOR	6063-T5	YKK AP
69	BE9-2745	MULLION	6063-T5	YKK AP
70	E1-1199	DOOR JAMB ANCHOR	6063-T5	YKK AP
71	PC-1216	#12 X 1" PHSMS TYPE AB	ZINC PLATED STEEL	---

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YKK AP America, Inc.

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

TITLE:
YHW 60 TU WINDOW WALL SYSTEM
(WZ3) (IMPACT)

BILL OF MATERIALS

PREPARED BY:

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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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 #:
FL24567

DATE: **12.08.17**

DWG. BY:
RV

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK255**

SECTION:

19

OF 19