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YKK AP America Inc.

YWW 60 TU WINDOW WALL SYSTEM (PRE-GLAZED)

(HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

1. SEE SHEET 9 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENT, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
2. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
3. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
4. 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.
5. 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.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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.
9. 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.
- 10.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. 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.

D. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 12 GA. WALL THICKNESS.

E. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS WITH 2X WOOD BACKING.

F. ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.

GENERAL NOTES:

1. 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:

AAMA 501-15

ASTM E283-19

ASTM E330-14

ASTM E331-00(16)

TAS 202-94
2. 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.
3. 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.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE. SEE SHEETS 3 & 4 FOR GLAZING DETAILS. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300.
6. STOREFRONT FRAME MATERIAL: ALUMINUM 6063-T5
7. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.

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INSTRUCTIONS FOR USE:

1. DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG, HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
2. SEE CHART ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE. GLASS SELECTION SHALL BE IN ACCORDANCE WITH ASTM E1300.
3. CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHART ON SHEETS 5 THRU 8, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
4. USING CHART ON SHEETS 9 THRU 11 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
5. THE LOWEST VALUE RESULTING FROM STEP 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

YKK

ap

Quality
inspires™

YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021

PH: (478)277-1955 FAX: (678)838-6001

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BD

BUILDING DROPS

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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, P.E.
Reason: I am approving this document
Date: 2024.12.11 13:15:39 -05'00'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL12611

DATE:

11.27.19

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK271

SHEET:

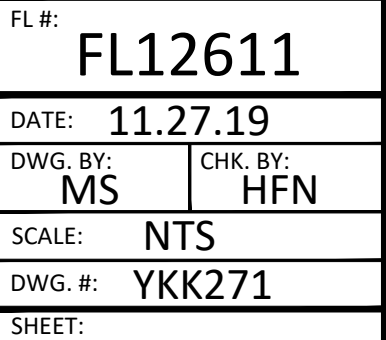
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OF 21

ELEVATION



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OF 21

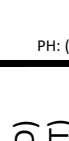


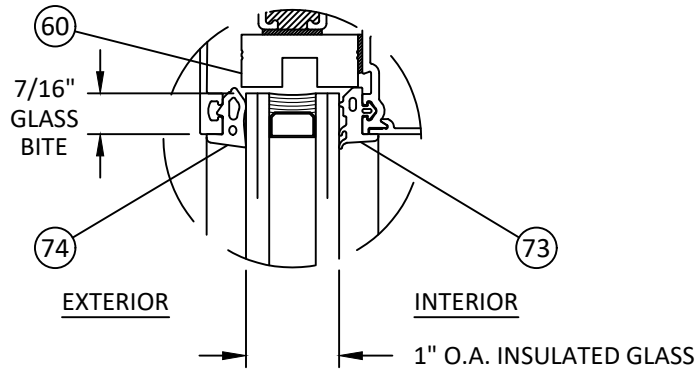
Diagram illustrating the cross-section of a window assembly, showing the exterior and interior surfaces, the insulated glass unit (1" O.A. INSULATED GLASS), and the glass bite (7/16" GLASS BITE). Callouts 73, 74, and 64 indicate specific components or features.

GLAZING NOTES:

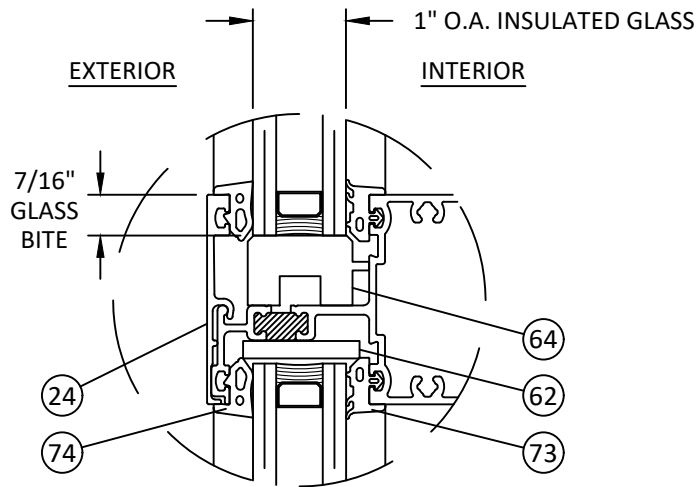
1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC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

GLASS LOAD CAPACITY (PSF)			
NOMINAL D.L.O. SIZE (IN)		IG/OG	SSG
WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30.125	102.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
54.125		45.0	45.0
60.125		44.9	44.9
66.125		40.7	40.7
69.125		38.8	38.8
30.125	108.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
54.125		45.0	45.0
60.125		44.9	44.9
65.125		41.3	41.3
30.125	114.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
54.125		45.0	45.0
60.125		44.9	44.9
30.125	120.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
54.125		45.0	45.0
60.125		30.0	-
30.125	126.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
54.125		45.0	45.0
30.125	132.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
30.125	138.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
30.125	144.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0

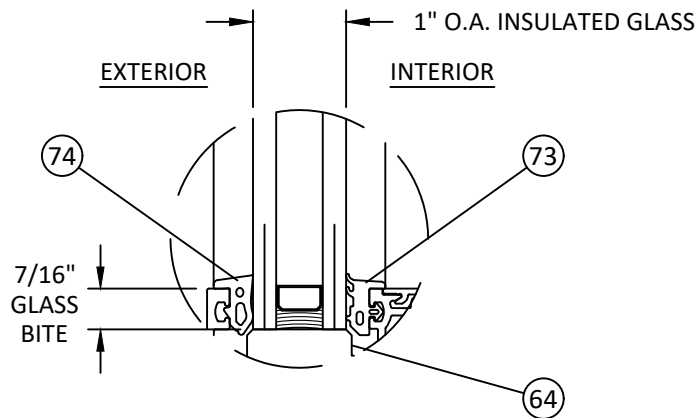
 Quality inspires™		
YKK AP AMERICA 1229 HWY 441 BYPASS DUBLIN, GEORGIA 31021 PH: (478)277-1955 FAX: (678)838-6001		
TITLE: YWW 60 TU WINDOW WALL SYSTEM (PRE-GLAZED) (HVHZ) (NON-IMPACT) GLAZING DETAILS & GLASS LOAD TABLE	PREPARED BY: BUILDING DROPS, INC. 1900 NE MIAMI COURT, SUITE 2-15 MIAMI, FL 33132 PH: (954)399-8478 FAX: (954)744-4738 WEB: www.buildingdrops.com  BUILDING DROPS	
REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
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 #: FL12611		
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DWG. BY: MS	CHK. BY: HFN	
SCALE: NTS		
DWG. #: YKK271		
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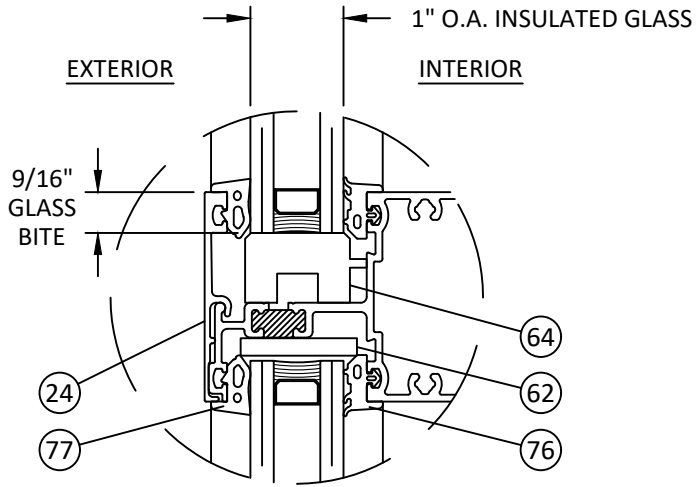
GLAZING DETAIL 4
TYPICAL AT HEAD FOR OUTSIDE
GLAZED (OG) SYSTEMS



GLAZING DETAIL 5
TYPICAL AT INTERMEDIATE
HORIZONTAL FOR OUTSIDE
GLAZED (OG) SYSTEMS



GLAZING DETAIL 6
TYPICAL AT SILL FOR OUTSIDE
GLAZED (OG) SYSTEMS

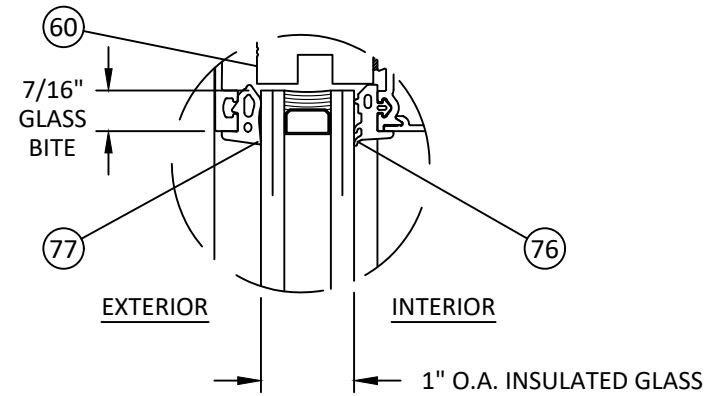


GLAZING DETAIL 7
TYPICAL AT INTERMEDIATE
HORIZONTAL FOR CAPTURED SSG
SYSTEMS

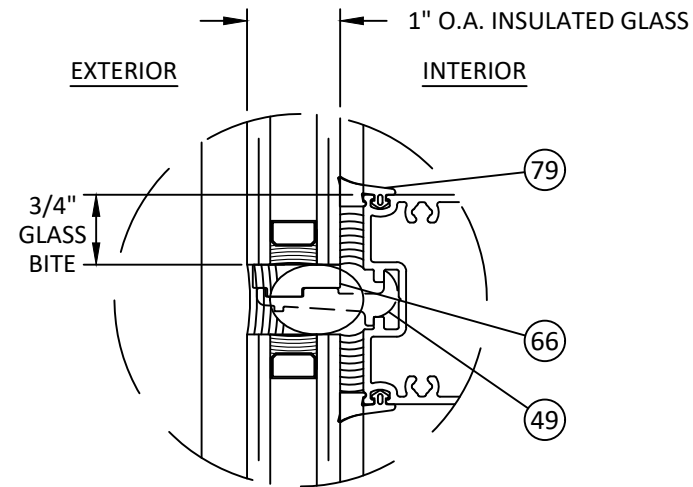
GLAZING NOTES:

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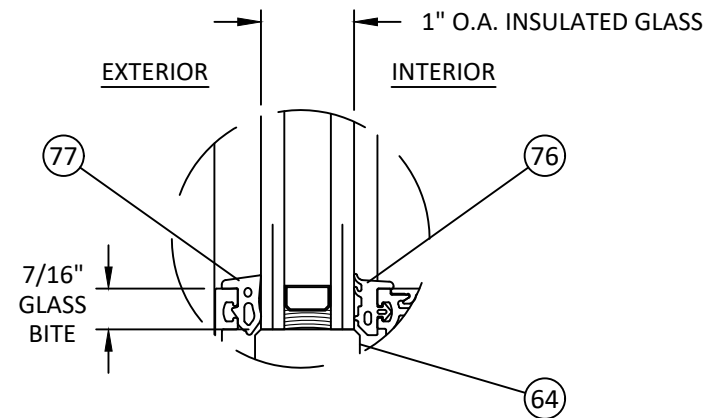
ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS.
PRIMARY SEALANT:
POLYISOBUTYLENE (PIB).
SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR
FABRICATION OF INSULATED GLASS UNITS.



GLAZING DETAIL 7
TYPICAL AT HEAD FOR SSG
SYSTEMS



GLAZING DETAIL 8
TYPICAL AT INTERMEDIATE
HORIZONTAL FOR SSG SYSTEMS



GLAZING DETAIL 9
TYPICAL AT SILL FOR SSG
SYSTEMS



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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

GLAZING DETAILS

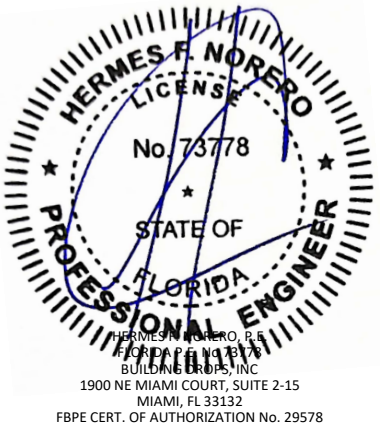
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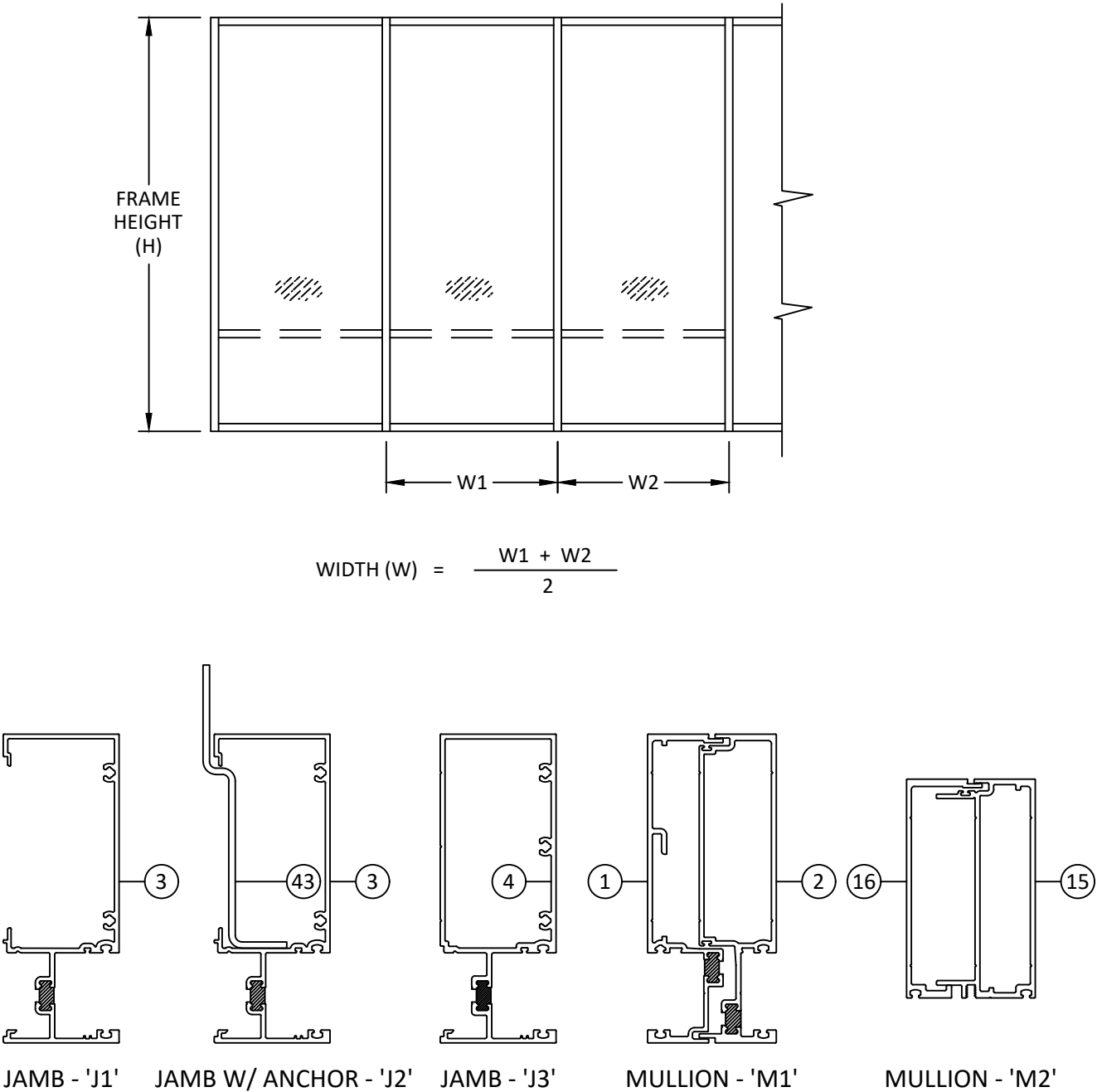
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MULLION LOAD TABLE

DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'	MULLION 'M1'	MULLION 'M2'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	66	45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60		45.0	45.0	45.0	45.0	45.0
66		45.0	45.0	45.0	45.0	45.0
72	72	45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60		45.0	45.0	45.0	45.0	45.0
66	78	45.0	45.0	45.0	45.0	45.0
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60	84	45.0	45.0	45.0	45.0	45.0
66		45.0	45.0	45.0	45.0	45.0
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54	90	45.0	45.0	45.0	45.0	45.0
60		45.0	45.0	45.0	45.0	45.0
66		45.0	45.0	45.0	45.0	45.0
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48	96	45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60		45.0	45.0	45.0	45.0	45.0
66		45.0	45.0	45.0	45.0	45.0
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42	102	45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60		45.0	45.0	45.0	45.0	45.0
66		45.0	45.0	45.0	45.0	45.0
72		45.0	45.0	45.0	45.0	45.0
72		45.0	45.0	45.0	45.0	45.0

DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'	MULLION 'M1'	MULLION 'M2'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	108	45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	43.2
54		45.0	45.0	45.0	45.0	38.4
60		45.0	45.0	45.0	45.0	34.5
66		45.0	45.0	45.0	45.0	31.4
72	114	45.0	45.0	45.0	45.0	28.8
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	44.3
48		45.0	45.0	45.0	45.0	38.7
54		45.0	45.0	45.0	45.0	34.4
60		45.0	45.0	45.0	45.0	31.0
66	120	45.0	45.0	45.0	45.0	28.2
72		45.0	45.0	45.0	44.1	25.8
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60	126	45.0	45.0	45.0	45.0	45.0
66		45.0	45.0	45.0	45.0	45.0
72		42.8	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		45.0	45.0	45.0	45.0	45.0
54	132	45.0	45.0	45.0	45.0	45.0
60		45.0	45.0	45.0	45.0	45.0
66		42.3	45.0	45.0	45.0	44.1
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48	138	45.0	45.0	45.0	45.0	45.0
54		45.0	45.0	45.0	45.0	45.0
60		42.4	45.0	45.0	45.0	42.2
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48	144	45.0	45.0	45.0	45.0	45.0
54		43.1	45.0	45.0	45.0	41.0
60		38.8	45.0	45.0	45.0	36.9
72		45.0	45.0	45.0	45.0	45.0
30		45.0	45.0	45.0	45.0	45.0
36		45.0	45.0	45.0	45.0	45.0
42		45.0	45.0	45.0	45.0	45.0
48		44.5	45.0	45.0	45.0	40.6
54		39.6	45.0	45.0	45.0	36.1
60		35.6	45.0	42.9	45.0	32.5
72						



NOTE: TYPE 'M1' IS APPLIED TO IG/OG,
TYPE 'M2' IS APPLIED TO SSG.

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)
MULLION LOAD TABLE

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

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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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
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

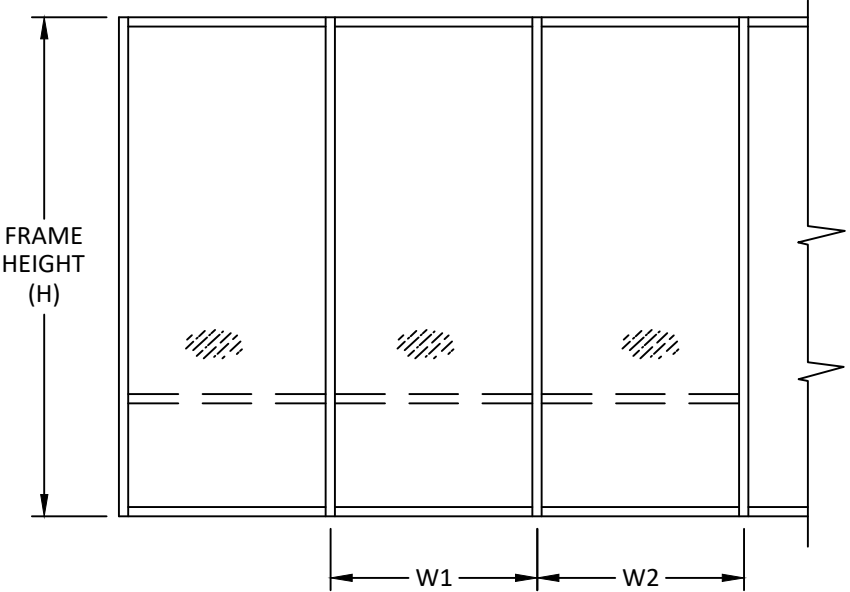
FL #:	FL12611
DATE:	11.27.19
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK271
SHEET:	5

REINFORCED MULLION LOAD TABLE
WITH STEEL

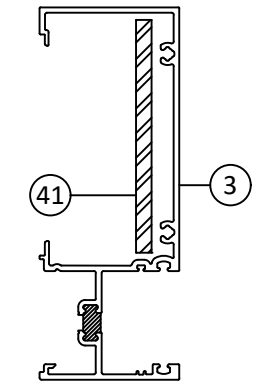
DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J4'	JAMB 'J5'	JAMB 'J6'	MULLION 'M3'	MULLION 'M4'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	66	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	72	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	78	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	84	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	90	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	96	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	97.6
72		100.0	100.0	100.0	100.0	89.5
30	102	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	95.1
66		100.0	100.0	100.0	100.0	86.5
72		100.0	100.0	100.0	100.0	79.3

DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J4'	JAMB 'J5'	JAMB 'J6'	MULLION 'M3'	MULLION 'M4'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	108	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	94.3
60		100.0	100.0	100.0	100.0	84.9
66		100.0	100.0	100.0	100.0	77.1
72		100.0	100.0	100.0	92.5	70.7
30	114	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	95.2
54		100.0	100.0	100.0	100.0	84.6
60		100.0	100.0	100.0	99.6	76.2
66		100.0	100.0	100.0	90.6	69.2
72		100.0	100.0	100.0	83.0	63.5
30	120	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		98.9	100.0	100.0	100.0	100.0
30	126	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0	100.0
66		93.8	100.0	98.4	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	132	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	100.0
54		99.8	100.0	100.0	100.0	100.0
60		89.8	100.0	94.2	100.0	100.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	138	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	100.0	100.0
48		98.2	100.0	100.0	100.0	100.0
54		87.3	100.0	91.6	100.0	100.0
60		78.6	100.0	82.4	100.0	92.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0
30	144	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		98.8	100.0	100.0	100.0	100.0
48		86.4	100.0	90.7	100.0	100.0
54		76.8	100.0	80.6	100.0	90.0
60		69.2	100.0	72.5	100.0	81.0
66		100.0	100.0	100.0	100.0	100.0
72		100.0	100.0	100.0	100.0	100.0

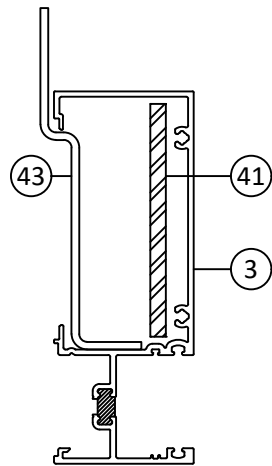
NOTE: TYPE 'M3' IS APPLIED TO IG/OG,
TYPE 'M4' IS APPLIED TO SSG.



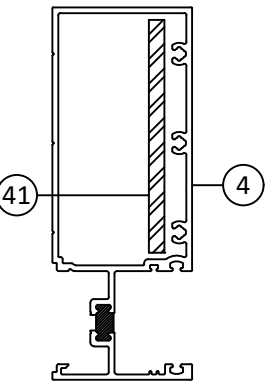
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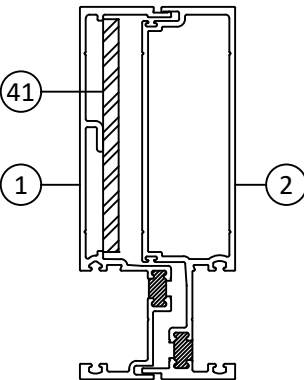
JAMB W/ STEEL - 'J4'



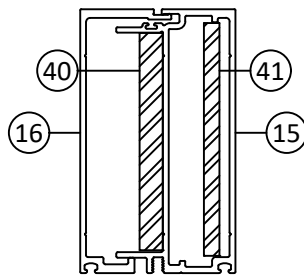
JAMB W/ ANCHOR - 'J5'



JAMB W/ STEEL - 'J6'



MULLION W/ STEEL - 'M3'



MULLION W/ STEEL - 'M4'



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

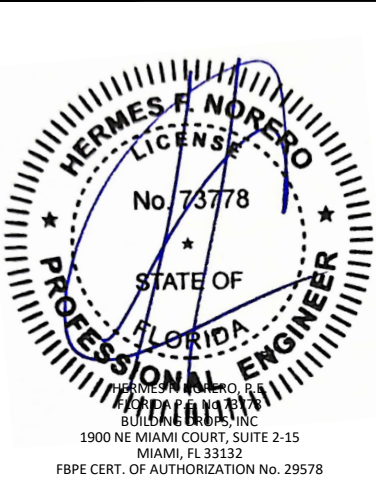
TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)
REINFORCED MULLION LOAD TABLE

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

BUILDING DROPS

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:
FL12611

DATE: **11.27.19**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

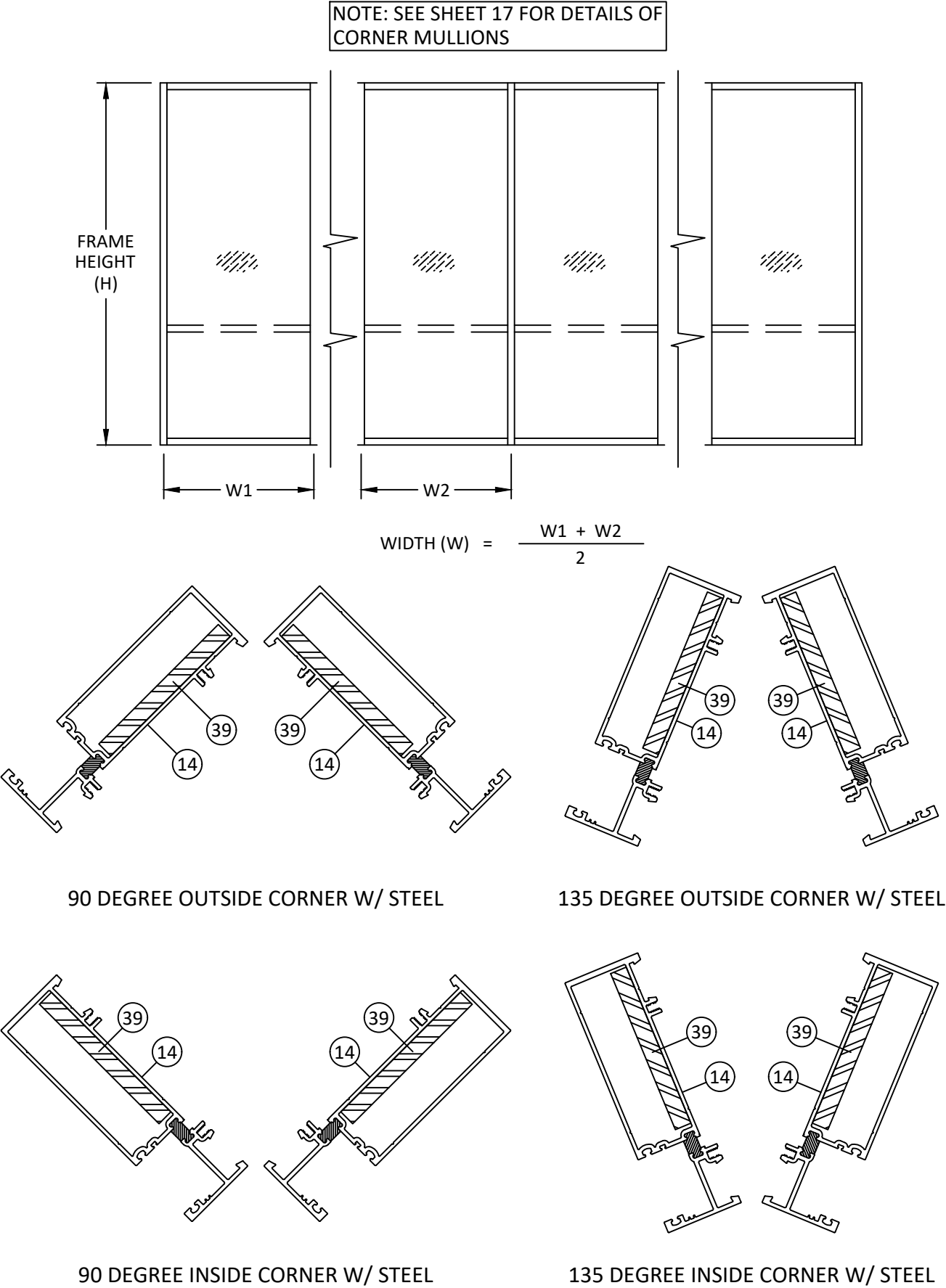
DWG. #: **YKK271**

SHEET:
6
OF 21

CORNER MULLION LOAD TABLE

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		90 DEGREE MULLION	135 DEGREE MULLION
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	66	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	72	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	78	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	84	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	90	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	96	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	102	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		90 DEGREE MULLION	135 DEGREE MULLION
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	108	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		96.9	100.0
72		88.8	100.0
30	114	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		90.6	100.0
66		82.4	100.0
72		75.5	100.0
30	120	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		97.1	100.0
54		86.3	100.0
60		77.7	100.0
66		70.6	100.0
72		64.7	100.0
30	126	100.0	100.0
36		100.0	100.0
42		95.9	100.0
48		83.9	100.0
54		74.6	100.0
60		67.1	100.0
66		61.0	95.8
30	132	100.0	100.0
36		97.3	100.0
42		83.4	100.0
48		73.0	100.0
54		64.8	100.0
60		58.4	91.7
30	138	100.0	100.0
36		85.1	100.0
42		73.0	100.0
48		63.8	100.0
54		56.8	89.1
60		51.1	80.2
30	144	89.9	100.0
36		74.9	100.0
42		64.2	100.0
48		56.2	88.2
54		49.9	78.4
60		45.0	70.6



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1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021

PH: (478)277-1955 FAX: (678)838-6001

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)
CORNER MULLION LOAD TABLE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

B.D.

BUILDING DROPS

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL12611

DATE: 11.27.19

DWG. BY:
MS

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK271

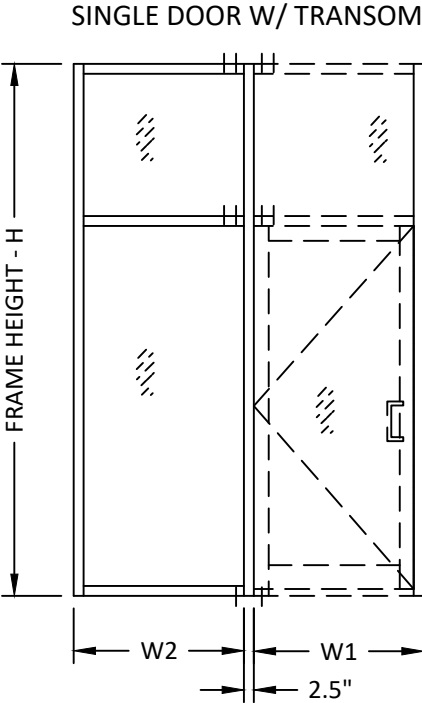
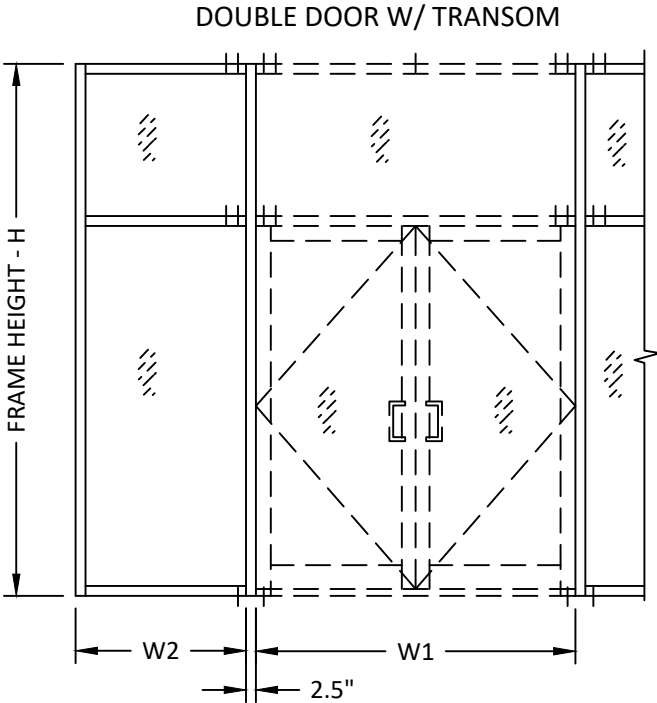
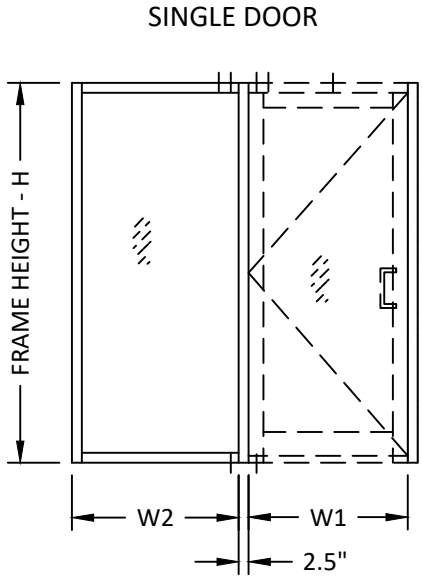
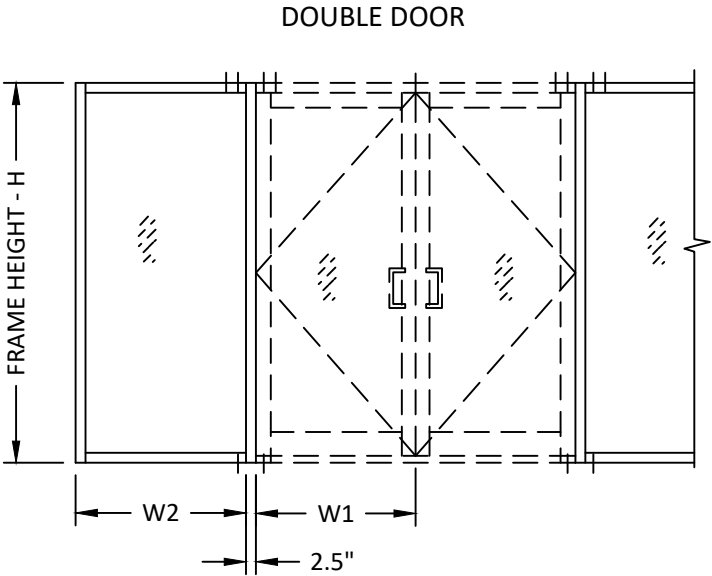
SHEET:
7
OF 21

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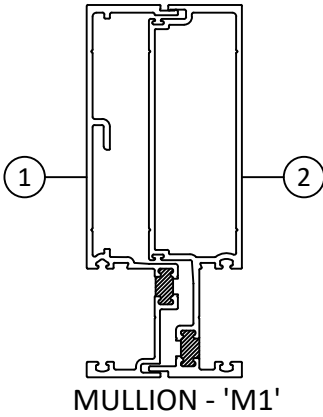
DOOR MULLION LOAD TABLE

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M3'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	66	45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72	72	45.0	100.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66	78	45.0	100.0
72		45.0	100.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60	84	45.0	100.0
66		45.0	100.0
72		45.0	100.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54	90	45.0	100.0
60		45.0	100.0
66		45.0	100.0
72		45.0	100.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48	96	45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72		45.0	100.0
30		45.0	100.0
36	102	45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72		45.0	100.0

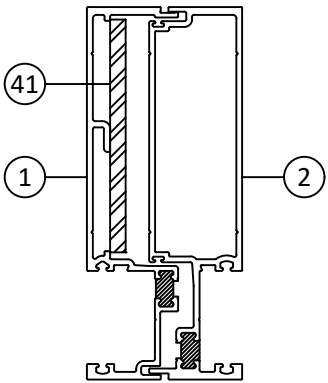
DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M3'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	108	45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72	114	45.0	92.5
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	99.6
66	120	45.0	90.6
72		44.1	83.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60	126	45.0	100.0
66		45.0	100.0
72		45.0	100.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48	132	45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72		45.0	100.0
30		45.0	100.0
36	138	45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72	144	45.0	100.0
30		45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0



$$WIDTH (W) = \frac{W1 + W2}{2} + 2.5"$$



MULLION - 'M1'



MULLION W/ STEEL - 'M3'

ELEVATIONS ABOVE SHOWS NUMBER OF ANCHORS REQUIRED AT HEAD/SILL OF DOOR MULLION FOR VARIOUS CONFIGURATIONS. SEE SHEETS 9 THRU 11 FOR DETAILS.



YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021

PH: (478)277-1955 FAX: (678)838-6001

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

DOOR MULLION LOAD TABLE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

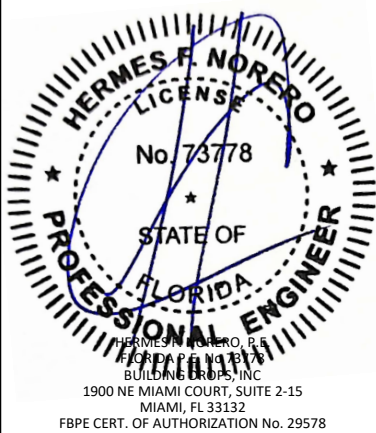
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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 #:

FL12611

DATE: 11.27.19

DWG. BY:
MS

CHK. BY:
HFN

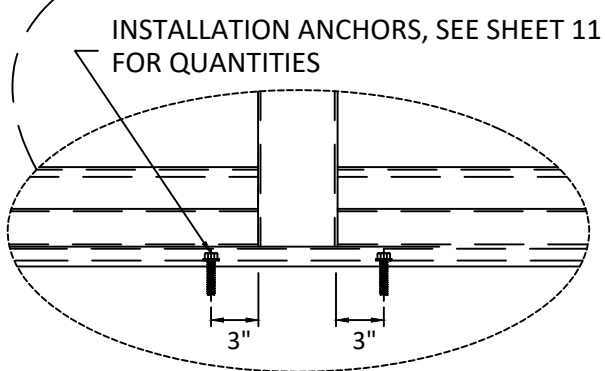
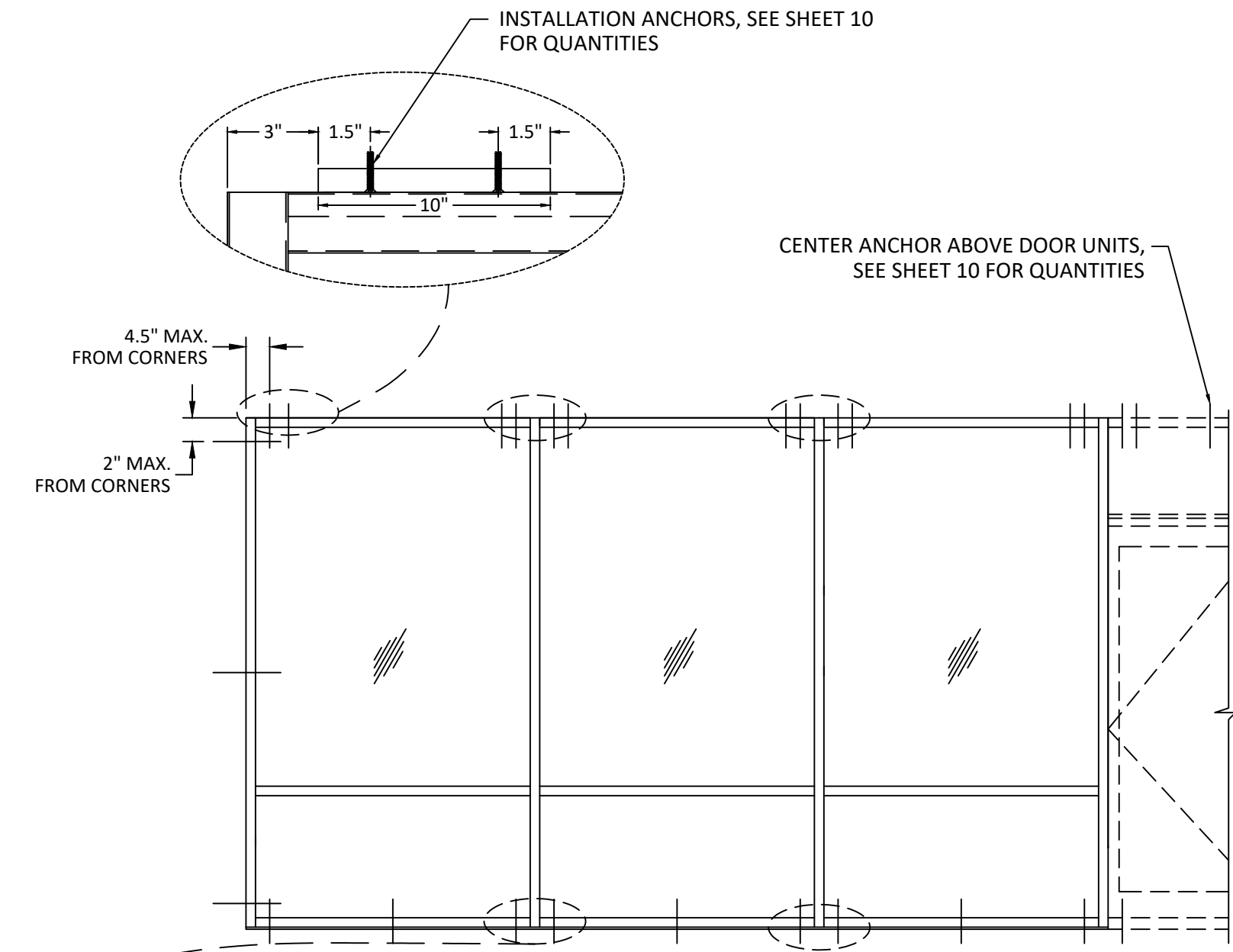
SCALE: NTS

DWG. #: YKK271

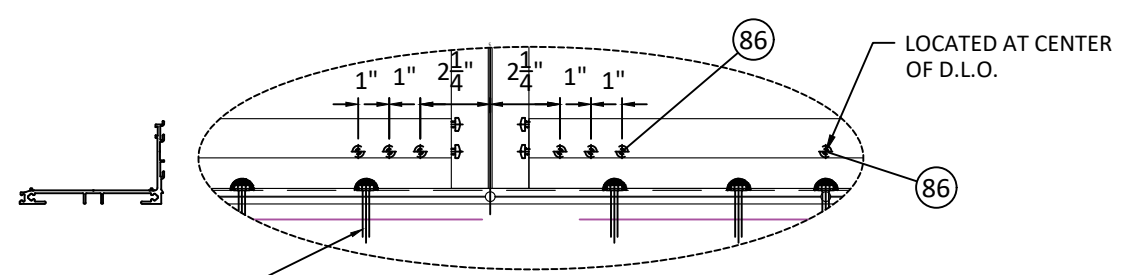
SHEET:

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ANCHOR LAYOUT



TYPICAL ANCHORS

TYPE A

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

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

TYPE B

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO FBC APPROVED MULLIONS (MIN. THK = .090")
(NO SHIM SPACE)
INTO METAL STRUCTURES
STEEL : 18 GA.(.048) MIN. (Fy = 33 KSI MIN.)
ALUMINUM : 1/8: THK. MIN. (6063-T5 MIN.)
STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCE

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

CONCRETE AT HEAD, SILL OR JAMB f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL FRAME CORNERS SEALED WITH JOINT SEALANT



Quality
inspires™

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

ANCHOR LAYOUT

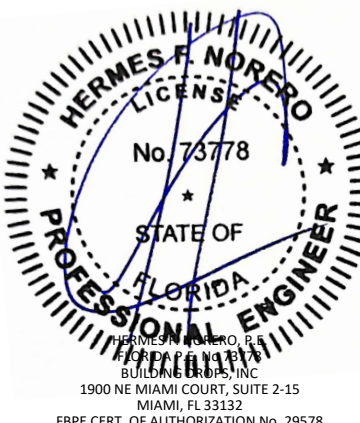
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



BUILDING DROPS

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL12611

DATE:

11.27.19

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK271

SHEET:

9

OF 21

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HEAD ANCHOR TABLE

DESIGN LOAD CAPACITY - PSF									
FRAME DIMENSIONS		ANCHOR TYPE A				ANCHOR TYPE B			
WIDTH, 'W' (IN.)	FRAME HEIGHT, 'H' (IN.)	HEAD				HEAD			
		OP. #1	OP. #2	OP. #2A	OP. #2B	OP. #1	OP. #2	OP. #2A	OP. #2B
30	66	100.0	64.1	64.1	96.1	100.0	66.4	66.4	99.5
36		100.0	53.4	53.4	100.0	100.0	55.3	55.3	100.0
42		100.0	45.8	68.6	100.0	100.0	47.4	71.1	100.0
48		100.0	40.0	60.0	100.0	100.0	41.5	62.2	100.0
54		100.0	53.4	53.4	100.0	100.0	55.3	55.3	100.0
60		100.0	48.0	64.1	96.1	100.0	49.8	66.4	99.5
66		95.3	43.7	58.2	100.0	100.0	45.2	60.3	100.0
72		87.4	40.0	53.4	100.0	100.0	41.5	55.3	100.0
30	72	100.0	58.7	58.7	88.1	100.0	60.8	60.8	91.2
36		100.0	48.9	48.9	97.9	100.0	50.7	50.7	100.0
42		100.0	41.9	62.9	100.0	100.0	43.4	65.2	100.0
48		100.0	36.7	55.0	91.7	100.0	38.0	57.0	95.0
54		100.0	48.9	48.9	97.9	100.0	50.7	50.7	100.0
60		96.1	44.0	58.7	88.1	100.0	45.6	60.8	91.2
66		87.4	40.0	53.4	93.4	100.0	41.5	55.3	96.8
72		80.1	36.7	48.9	97.9	100.0	38.0	50.7	100.0
30	78	100.0	54.2	54.2	81.3	100.0	56.1	56.1	84.2
36		100.0	45.2	45.2	90.3	100.0	46.8	46.8	93.6
42		100.0	38.7	58.1	96.8	100.0	40.1	60.2	100.0
48		100.0	33.9	50.8	84.7	100.0	35.1	52.6	87.7
54		98.6	45.2	45.2	90.3	100.0	46.8	46.8	93.6
60		88.7	40.6	54.2	81.3	100.0	42.1	56.1	84.2
66		80.7	37.0	49.3	86.2	100.0	38.3	51.0	89.3
72		73.9	33.9	45.2	90.3	94.0	35.1	46.8	93.6
30	84	100.0	50.3	50.3	75.5	100.0	52.1	52.1	78.2
36		100.0	41.9	41.9	83.9	100.0	43.4	43.4	86.9
42		100.0	35.9	53.9	89.9	100.0	37.2	55.9	93.1
48		100.0	31.5	47.2	78.6	100.0	32.6	48.9	81.5
54		91.5	41.9	41.9	83.9	100.0	43.4	43.4	86.9
60		82.4	37.7	50.3	75.5	100.0	39.1	52.1	78.2
66		74.9	34.3	45.8	80.1	95.2	35.5	47.4	82.9
72		68.7	31.5	41.9	83.9	87.3	32.6	43.4	86.9
30	90	100.0	47.0	47.0	70.5	100.0	48.7	48.7	73.0
36		100.0	39.1	39.1	78.3	100.0	40.6	40.6	81.1
42		100.0	33.6	50.3	83.9	100.0	34.8	52.1	86.9
48		96.1	29.4	44.0	73.4	100.0	30.4	45.6	76.0
54		85.4	39.1	39.1	78.3	100.0	40.6	40.6	81.1
60		76.9	35.2	47.0	70.5	97.8	36.5	48.7	73.0
66		69.9	32.0	42.7	74.7	88.9	33.2	44.2	77.4
72		64.1	29.4	39.1	78.3	81.5	30.4	40.6	81.1
30	96	100.0	44.0	44.0	66.1	100.0	45.6	45.6	68.4
36		100.0	36.7	36.7	73.4	100.0	38.0	38.0	76.0
42		100.0	31.5	47.2	78.6	100.0	32.6	48.9	81.5
48		90.1	27.5	41.3	68.8	100.0	28.5	42.8	71.3
54		80.1	36.7	36.7	73.4	100.0	38.0	38.0	76.0
60		72.1	33.0	44.0	66.1	91.7	34.2	45.6	68.4
66		65.5	30.0	40.0	70.1	83.3	31.1	41.5	72.6
72		60.1	27.5	36.7	73.4	76.4	28.5	38.0	76.0
30	102	100.0	41.4	41.4	62.2	100.0	42.9	42.9	64.4
36		100.0	34.5	34.5	69.1	100.0	35.8	35.8	71.6
42		96.9	29.6	44.4	74.0	100.0	30.7	46.0	76.7
48		84.8	25.9	38.9	64.8	100.0	26.8	40.3	67.1
54		75.4	34.5	34.5	69.1	95.9	35.8	35.8	71.6
60		67.8	31.1	41.4	62.2	86.3	32.2	42.9	64.4
66		61.7	28.3	37.7	65.9	78.4	29.3	39.0	68.3
72		56.5	25.9	34.5	69.1	71.9	26.8	35.8	71.6

DESIGN LOAD CAPACITY - PSF									
FRAME DIMENSIONS		ANCHOR TYPE A				ANCHOR TYPE B			
WIDTH, 'W' (IN.)	FRAME HEIGHT, 'H' (IN.)	HEAD				HEAD			
		OP. #1	OP. #2	OP. #2A	OP. #2B	OP. #1	OP. #2	OP. #2A	OP. #2B
30	108	100.0	39.1	39.1	58.7	100.0	40.6	40.6	60.8
36		100.0	32.6	32.6	65.2	100.0	33.8	33.8	67.6
42		91.5	28.0	41.9	69.9	100.0	29.0	43.4	72.4
48		80.1	24.5	36.7	61.2	100.0	25.3	38.0	63.4
54		71.2	32.6	32.6	65.2	90.5	33.8	33.8	67.6
60		64.1	29.4	39.1	58.7	81.5	30.4	40.6	60.8
66		58.3	26.7	35.6	62.3	74.1	27.6	36.9	64.5
72		53.4	24.5	32.6	65.2	67.9	25.3	33.8	67.6
30	114	100.0	37.1	37.1	55.6	100.0	38.4	38.4	57.6
36		100.0	30.9	30.9	61.8	100.0	32.0	32.0	64.0
42		86.7	26.5	39.7	66.2	100.0	27.4	41.2	68.6
48		75.9	23.2	34.8	57.9	96.5	24.0	36.0	60.0
54		67.5	30.9	30.9	61.8	85.8	32.0	32.0	64.0
60		60.7	27.8	37.1	55.6	77.2	28.8	38.4	57.6
66		55.2	25.3	33.7	59.0	70.2	26.2	34.9	61.1
72		50.6	23.2	30.9	61.8	64.3	24.0	32.0	64.0
30	120	100.0	35.2	35.2	52.8	100.0	36.5	36.5	54.7
36		96.1	29.4	29.4	58.7	100.0	30.4	30.4	60.8
42		82.4	25.2	37.7	62.9	100.0	26.1	39.1	65.2
48		72.1	22.0	33.0	55.0	91.7	22.8	34.2	57.0
54		64.1	29.4	29.4	58.7	81.5	30.4	30.4	60.8
60		57.7	26.4	35.2	52.8	73.3	27.4	36.5	54.7
66		52.4	24.0	32.0	56.0	66.7	24.9	33.2	58.1
72		48.1	22.0	29.4	58.7	61.1	22.8	30.4	60.8
30	126	100.0	33.6	33.6	50.3	100.0	34.8	34.8	52.1
36		91.5	28.0	28.0	55.9	100.0	29.0	29.0	57.9
42		78.5	24.0	35.9	59.9	99.8	24.8	37.2	62.1
48		68.7	21.0	31.5	52.4	87.3	21.7	32.6	54.3
54		61.0	28.0	28.0	55.9	77.6	29.0	29.0	57.9
60		54.9	25.2	33.6	50.3	69.8	26.1	34.8	52.1
66		49.9	22.9	30.5	53.4	63.5	23.7	31.6	55.3
72		100.0	32.0	32.0	48.0	100.0	33.2	33.2	49.8
30	132	87.4	26.7	26.7	53.4	100.0	27.6	27.6	55.3
36		74.9	22.9	34.3	57.2	95.2	23.7	35.5	59.2
42		65.5	20.0	30.0	50.0	83.3	20.7	31.1	51.8
48		58.3	26.7	26.7	53.4	74.1	27.6	27.6	55.3
54		52.4	24.0	32.0	48.0	66.7	24.9	33.2	49.8
60		100.0	30.6	30.6	46.0	100.0	31.7	31.7	47.6
66		83.6	25.5	25.5	51.1	100.0	26.4	26.4	52.9
72		71.6	21.9	32.8	54.7	91.1	22.7	34.0	56.7
30	138	62.7	19.1	28.7	47.9	79.7	19.8	29.8	49.6
36		55.7	25.5	25.5	51.1	70.9	26.4	26.4	52.9
42		50.1	23.0	30.6	46.0	63.8	23.8	31.7	47.6
48		96.1	29.4	29.4	44.0	100.0	30.4	30.4	45.6
54		80.1	24.5	24.5	48.9	100.0	25.3	25.3	50.7
60		68.7	21.0	31.5	52.4	87.3	21.7	32.6	54.3
66		60.1	18.3	27.5	45.9	76.4	19.0	28.5	47.5
72		53.4	24.5	24.5	48.9	67.9	25.3	25.3	50.7
30	144	48.5	22.2	29.6	44.5	61.7	23.0	30.7	46.1

ANCHOR REQUIREMENTS:

HEAD OPTION #1 (SEE DETAIL A12, D12, K13):
10" CHANNEL WITH 2 SCREWS IS LOCATED 3" AWAY FROM EACH SIDE MULLION
EDGE, EACH SCREW IS 1.5" FROM THE EDGE OF CHANNEL.

ONE ADDITIONAL ANCHOR IN THE CENTER ABOVE DOOR UNITS.

HEAD OPTION #2 (SEE DETAIL G13):
FOR ANCHOR WITH HEAD RECEPTOR, ANCHORS DISTRIBUTED AT 24" O.C. MAX.

- #2A: 18" SPACING.
- #2B: 12" SPACING.

JAMB ANCHOR LOCATION:

- 2" FROM CORNER (TOP AND BOTTOM)
- CENTER OF PANEL.

EACH LOCATION HAS TWO TYP. ANCHORS.



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

YKK

ap

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YKK AP AMERICA

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021

PH: (478)277-1955 FAX: (678)838-6001

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)
HEAD ANCHOR TABLE

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

B.D.

BUILDING DROPS

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
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DOCUMENTS FOR USE WITH THIS DOCUMENT.

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL12611

DATE: **11.27.19**

DWG. BY: **MS**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK271**

SHEET:
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OF 21

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SILL ANCHOR TABLE

DESIGN LOAD CAPACITY - PSF									
FRAME DIMENSIONS		ANCHOR TYPE A				ANCHOR TYPE B			
WIDTH, 'W' (IN.)	FRAME HEIGHT, 'H' (IN.)	SILL				SILL			
		2	4	6	8	2	4	6	8
30	66	73.1	100.0	100.0	100.0	72.3	100.0	100.0	100.0
36		60.9	100.0	100.0	100.0	60.2	100.0	100.0	100.0
42		52.2	87.0	100.0	100.0	51.6	86.0	100.0	100.0
48		45.7	76.1	100.0	100.0	45.2	75.3	100.0	100.0
54		40.6	67.7	94.8	100.0	40.1	66.9	93.7	100.0
60		36.5	60.9	85.3	100.0	36.1	60.2	84.3	100.0
66		33.2	55.4	77.5	99.7	32.8	54.7	76.6	98.5
72		30.5	50.8	71.1	91.4	30.1	50.2	70.3	90.3
30	72	67.0	100.0	100.0	100.0	66.2	100.0	100.0	100.0
36		55.8	93.1	100.0	100.0	55.2	92.0	100.0	100.0
42		47.9	79.8	100.0	100.0	47.3	78.9	100.0	100.0
48		41.9	69.8	97.7	100.0	41.4	69.0	96.6	100.0
54		37.2	62.0	86.9	100.0	36.8	61.3	85.9	100.0
60		33.5	55.8	78.2	100.0	33.1	55.2	77.3	99.4
66		30.5	50.8	71.1	91.4	30.1	50.2	70.3	90.3
72		27.9	46.5	65.1	83.8	27.6	46.0	64.4	82.8
30	78	61.9	100.0	100.0	100.0	61.1	100.0	100.0	100.0
36		51.5	85.9	100.0	100.0	51.0	84.9	100.0	100.0
42		44.2	73.6	100.0	100.0	43.7	72.8	100.0	100.0
48		38.7	64.4	90.2	100.0	38.2	63.7	89.2	100.0
54		34.4	57.3	80.2	100.0	34.0	56.6	79.3	100.0
60		30.9	51.5	72.2	92.8	30.6	51.0	71.3	91.7
66		28.1	46.9	65.6	84.3	27.8	46.3	64.9	83.4
72		25.8	43.0	60.1	77.3	25.5	42.5	59.4	76.4
30	84	57.4	95.7	100.0	100.0	56.8	94.6	100.0	100.0
36		47.9	79.8	100.0	100.0	47.3	78.9	100.0	100.0
42		41.0	68.4	95.7	100.0	40.6	67.6	94.6	100.0
48		35.9	59.8	83.8	100.0	35.5	59.1	82.8	100.0
54		31.9	53.2	74.5	95.7	31.5	52.6	73.6	94.6
60		28.7	47.9	67.0	86.2	28.4	47.3	66.2	85.2
66		26.1	43.5	60.9	78.3	25.8	43.0	60.2	77.4
72		23.9	39.9	55.8	71.8	23.7	39.4	55.2	71.0
30	90	53.6	89.3	100.0	100.0	53.0	88.3	100.0	100.0
36		44.7	74.5	100.0	100.0	44.2	73.6	100.0	100.0
42		38.3	63.8	89.3	100.0	37.9	63.1	88.3	100.0
48		33.5	55.8	78.2	100.0	33.1	55.2	77.3	99.4
54		29.8	49.6	69.5	89.3	29.4	49.1	68.7	88.3
60		26.8	44.7	62.5	80.4	26.5	44.2	61.8	79.5
66		24.4	40.6	56.9	73.1	24.1	40.1	56.2	72.3
72		22.3	37.2	52.1	67.0	22.1	36.8	51.5	66.2
30	96	50.3	83.8	100.0	100.0	49.7	82.8	100.0	100.0
36		41.9	69.8	97.7	100.0	41.4	69.0	96.6	100.0
42		35.9	59.8	83.8	100.0	35.5	59.1	82.8	100.0
48		31.4	52.3	73.3	94.2	31.1	51.8	72.5	93.2
54		27.9	46.5	65.1	83.8	27.6	46.0	64.4	82.8
60		25.1	41.9	58.6	75.4	24.8	41.4	58.0	74.5
66		22.8	38.1	53.3	68.5	22.6	37.6	52.7	67.7
72		20.9	34.9	48.9	62.8	20.7	34.5	48.3	62.1
30	102	47.3	78.8	100.0	100.0	46.8	77.9	100.0	100.0
36		39.4	65.7	92.0	100.0	39.0	64.9	90.9	100.0
42		33.8	56.3	78.8	100.0	33.4	55.7	77.9	100.0
48		29.6	49.3	69.0	88.7	29.2	48.7	68.2	87.7
54		26.3	43.8	61.3	78.8	26.0	43.3	60.6	77.9
60		23.6	39.4	55.2	70.9	23.4	39.0	54.6	70.1
66		21.5	35.8	50.2	64.5	21.3	35.4	49.6	63.8
72		19.7	32.8	46.0	59.1	19.5	32.5	45.5	58.4

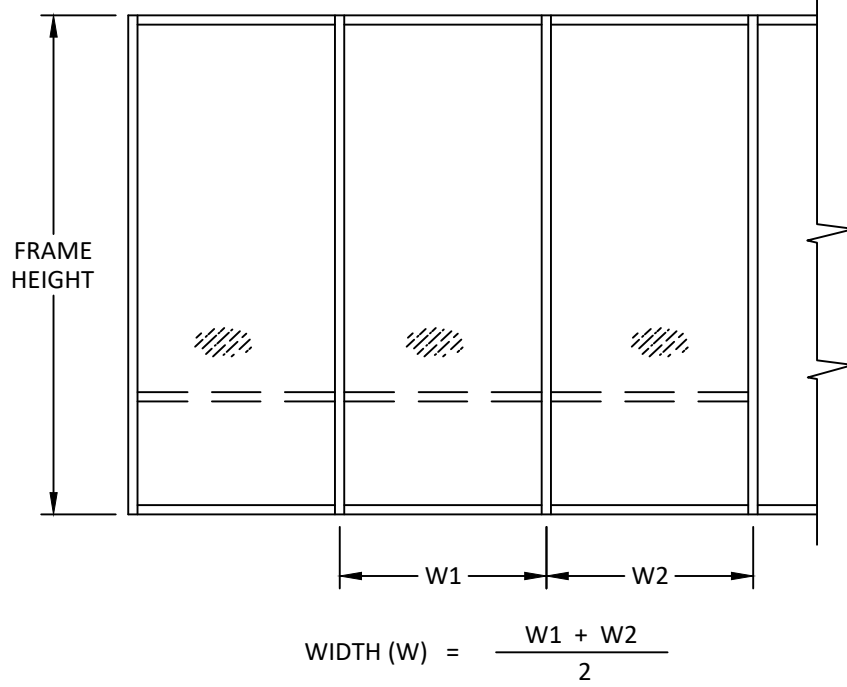
DESIGN LOAD CAPACITY - PSF									
FRAME DIMENSIONS		ANCHOR TYPE A				ANCHOR TYPE B			
WIDTH, 'W' (IN.)	FRAME HEIGHT, 'H' (IN.)	SILL				SILL			
		2	4	6	8	2	4	6	8
30	108	44.7	74.5	100.0	100.0	44.2	73.6	100.0	100.0
36		37.2	62.0	86.9	100.0	36.8	61.3	85.9	100.0
42		31.9	53.2	74.5	95.7	31.5	52.6	73.6	94.6
48		27.9	46.5	65.1	83.8	27.6	46.0	64.4	82.8
54		24.8	41.4	57.9	74.5	24.5	40.9	57.2	73.6
60		22.3	37.2	52.1	67.0	22.1	36.8	51.5	66.2
66		20.3	33.8	47.4	60.9	20.1	33.5	46.8	60.2
72		18.6	31.0	43.4	55.8	18.4	30.7	42.9	55.2
30	114	42.3	70.5	98.7	100.0	41.8	69.7	97.6	100.0
36		35.3	58.8	82.3	100.0	34.9	58.1	81.3	100.0
42		30.2	50.4	70.5	90.7	29.9	49.8	69.7	89.6
48		26.4	44.1	61.7	79.3	26.1	43.6	61.0	78.4
54		23.5	39.2	54.9	70.5	23.2	38.7	54.2	69.7
60		21.2	35.3	49.4	63.5	20.9	34.9	48.8	62.8
66		19.2	32.1	44.9	57.7	19.0	31.7	44.4	57.0
72		17.6	29.4	41.1	52.9	17.4	29.1	40.7	52.3
30	120	40.2	67.0	93.8	100.0	39.7	66.2	92.7	100.0
36		33.5	55.8	78.2	100.0	33.1	55.2	77.3	99.4
42		28.7	47.9	67.0	86.2	28.4	47.3	66.2	85.2
48		25.1	41.9	58.6	75.4	24.8	41.4	58.0	74.5
54		22.3	37.2	52.1	67.0	22.1	36.8	51.5	66.2
60		20.1	33.5	46.9	60.3	19.9	33.1	46.4	59.6
66		18.3	30.5	42.6	54.8	18.1	30.1	42.2	54.2
72		16.8	27.9	39.1	50.3	16.6	27.6	38.6	49.7
30	126	38.3	63.8	89.3	100.0	37.9	63.1	88.3	100.0
36		31.9	53.2	74.5	95.7	31.5	52.6	73.6	94.6
42		27.3	45.6	63.8	82.0	27.0	45.1	63.1	81.1
48		23.9	39.9	55.8	71.8	23.7	39.4	55.2	71.0
54		21.3	35.5	49.6	63.8	21.0	35.0	49.1	63.1
60		19.1	31.9	44.7	57.4	18.9	31.5	44.2	56.8
66		17.4	29.0	40.6	52.2	17.2	28.7	40.1	51.6
72		16.5	27.9	39.1	50.3	16.6	27.6	38.6	49.7
30	132	36.5	60.9	85.3	100.0	36.1	60.2	84.3	100.0
36		30.5	50.8	71.1	91.4	30.1	50.2	70.3	90.3
42		26.1	43.5	60.9	78.3	25.8	43.0	60.2	77.4
48		22.8	38.1	53.3	68.5	22.6	37.6	52.7	67.7
54		20.3	33.8	47.4	60.9	20.1	33.5	46.8	60.2
60		18.3	30.5	42.6	54.8	18.1	30.1	42.2	54.2
72		16.8	27.9	39.1	50.3	16.6	27.6	38.6	49.7
84		15.0	25.0	35.0	45.0	14.8	24.8	34.8	44.8
30	138	35.0	58.3	81.6	100.0	34.6	57.6	80.6	100.0
36		29.1	48.6	68.0	87.4	28.8	48.0	67.2	86.4
42		25.0	41.6	58.3	74.9	24.7	41.1	57.6	74.1
48		21.8	36.4	51.0	65.5	21.6	36.0	50.4	64.8
54		19.4	32.4	45.3	58.3	19.2	32.0	44.8	57.6
60		17.5	29.1	40.8	52.4	17.3	28.8	40.3	51.8
72		16.0	27.0	38.0	49.0	15.8	26.8	37.8	48.8
84		14.5	24.5	34.5	44.5	14.3	24.3	34.3	44.3
30	144	33.5	55.8	78.2	100.0	33.1	55.2	77.3	99.4
36		27.9	46.5	65.1	83.8	27.6	46.0	64.4	82.8
42		23.9	39.9	55.8	71.8	23.7	39.4	55.2	71.0
48		20.9	34.9	48.9	62.8	20.7	34.5	48.3	62.1
54		18.6	31.0	43.4	55.8	18.4	30.7	42.9	55.2
60		16.9	28.2	39.5	50.7	16.7	27.9	39.0	50.2
72		15.5	26.5	37.5	47.5	15.3	26.3	37.3	47.3
84		14.0	24.0	36.0	46.0	13.8	23.8	35.8	45.8

ANCHOR REQUIREMENTS:

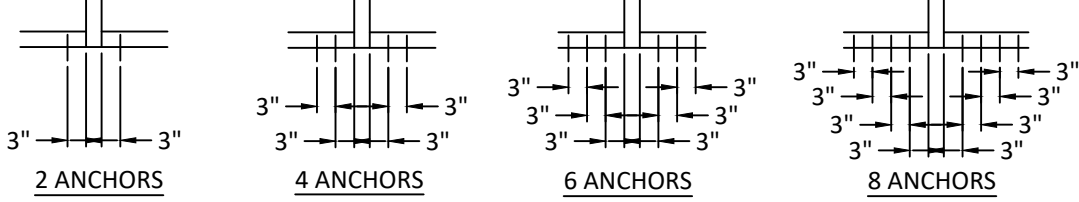
SILL ANCHOR DISTRIBUTION:

ANCHOR LOCATED 3 INCHES AWAY FROM EACH SIDE OF CORNER. ONE ANCHOR LOCATED IN THE CENTER OF PANEL.

SEE SILL CORNER DETAILS BELOW.



SILL DETAILS



YKK

ap

Quality inspires™

YKK AP AMERICA

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

SILL ANCHOR TABLE

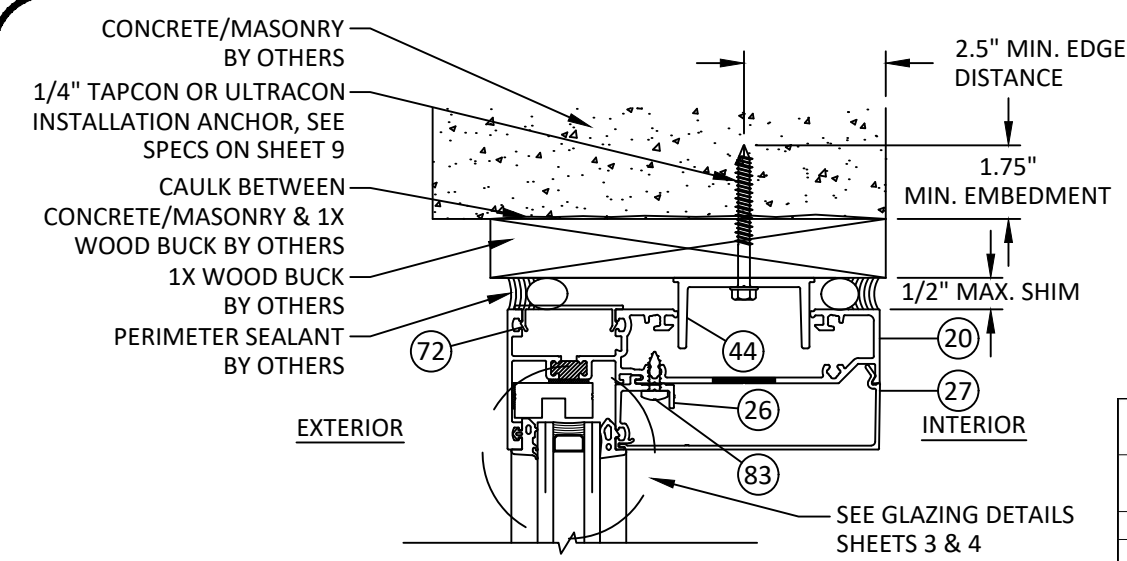
PREPARED BY:

BUILDING DROPS, INC.

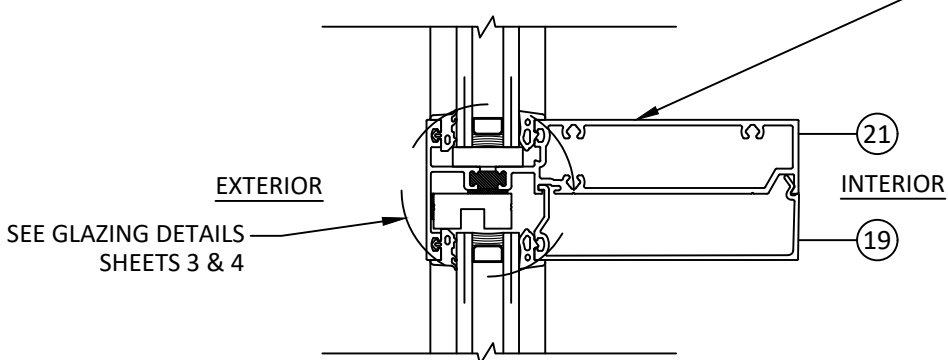
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

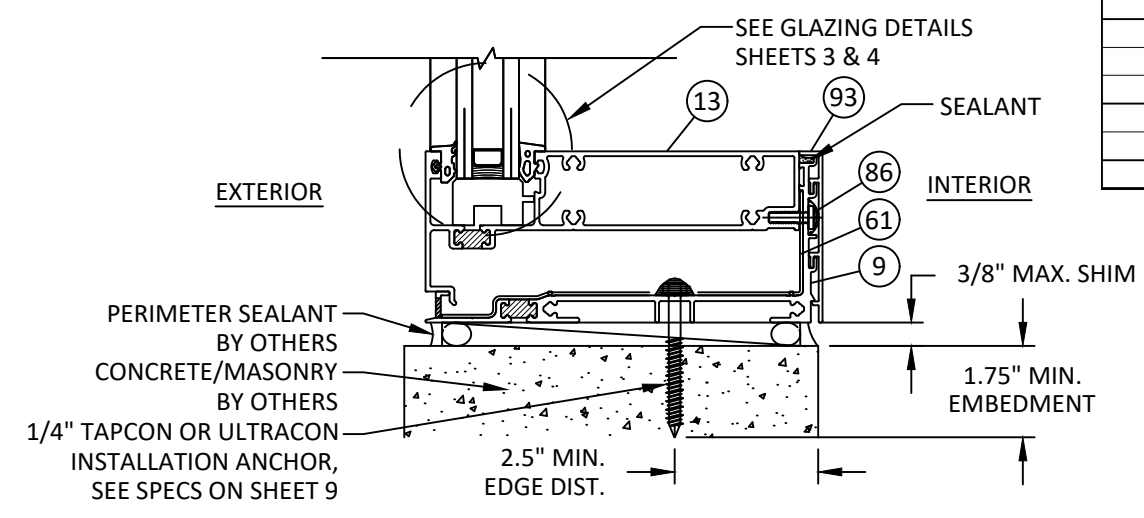
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A
12 VERTICAL SECTION
HEAD - CONCRETE/MASONRY W/ 1X BUCK
INSIDE GLAZED



B
12 VERTICAL SECTION
HORIZONTAL MEMBER
INSIDE GLAZED



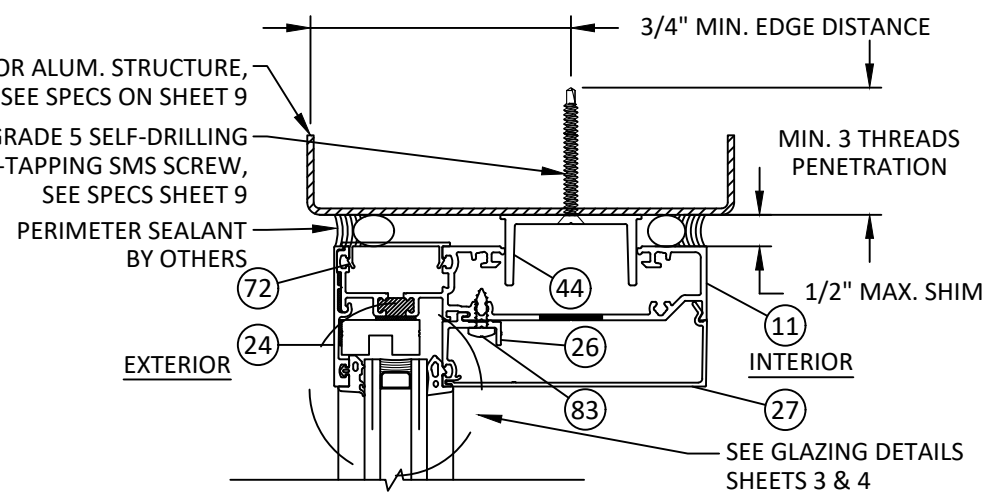
C
12 VERTICAL SECTION
SILL - DIRECT TO CONCRETE/MASONRY
INSIDE GLAZED

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
55-3/8"	114-3/4"	90 PSF
56-5/8"	114-3/4"	75 PSF
58-1/4"	114-3/4"	60 PSF
60"	114-3/4"	45 PSF
54"	120-3/4"	97 PSF
60"	120-3/4"	36 PSF
65"	120-3/4"	3 PSF
54"	126-3/4"	87 PSF
60"	126-3/4"	27 PSF
63"	126-3/4"	6 PSF

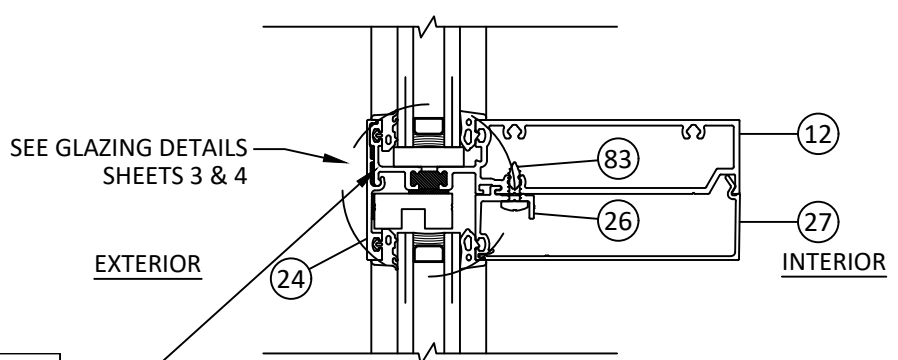
DESIGN LOADS SHOWN ABOVE ARE BASED ON MAX. GLASS AREA ABOVE HORIZONTAL

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
52-1/8"	114-3/4"	90 PSF
54-1/4"	114-3/4"	75 PSF
56-3/4"	114-3/4"	60 PSF
60"	114-3/4"	45 PSF
54"	120-3/4"	73 PSF
60"	120-3/4"	42 PSF
66"	120-3/4"	22 PSF
54"	126-3/4"	70 PSF
60"	126-3/4"	39 PSF
66"	126-3/4"	19 PSF

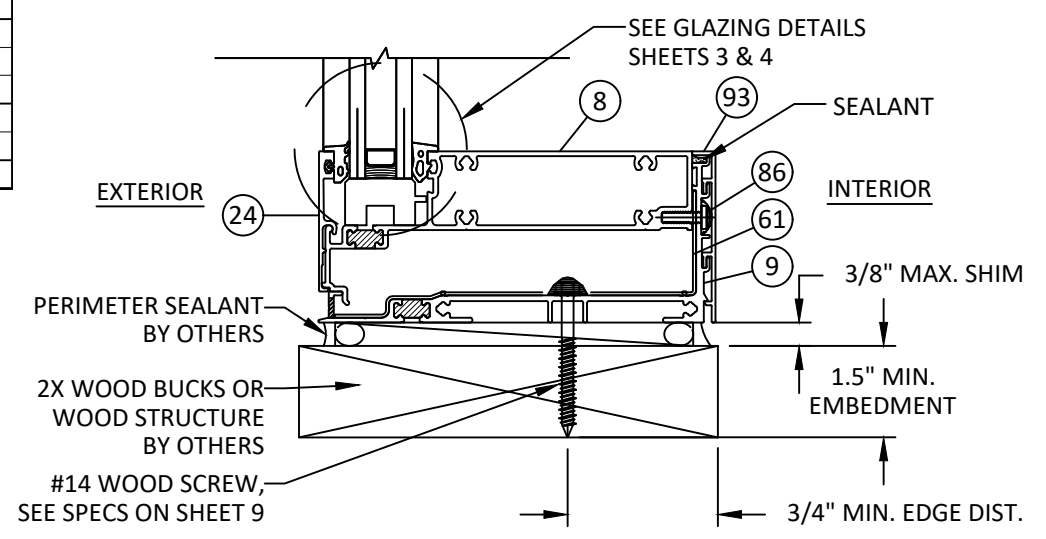
DESIGN LOADS SHOWN ABOVE ARE BASED ON MAX. GLASS AREA ABOVE HORIZONTAL



D
12 VERTICAL SECTION
HEAD - METAL SUBSTRATE
INSIDE GLAZED (OPTIONAL)



E
12 VERTICAL SECTION
HORIZONTAL MEMBER
INSIDE GLAZED (OPTIONAL)



F
12 VERTICAL SECTION
SILL - WOOD FRAMING
INSIDE GLAZED (OPTIONAL)



Quality
inspires™

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

VERTICAL SECTIONS (IG)

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



REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
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.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL12611

DATE: **11.27.19**

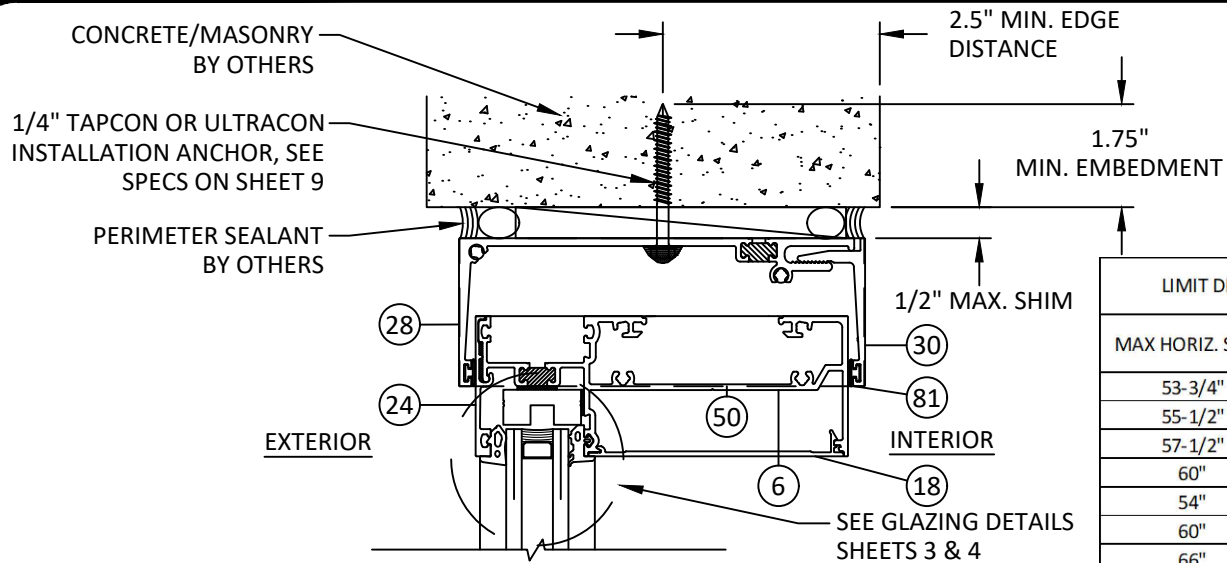
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SCALE: **NTS**

DWG. #: **YKK271**

SHEET:
12
OF 21

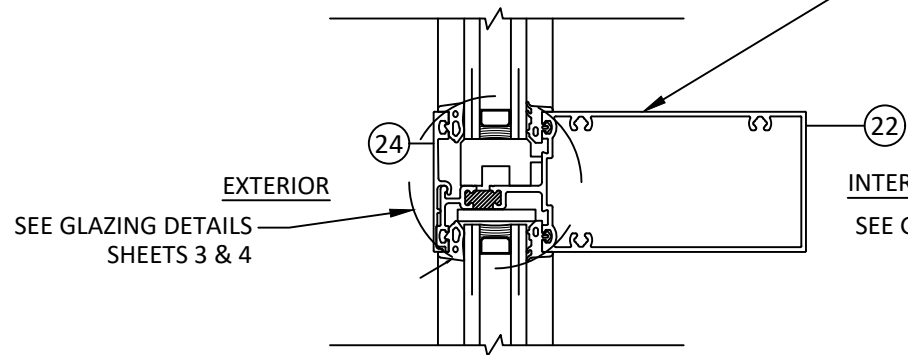
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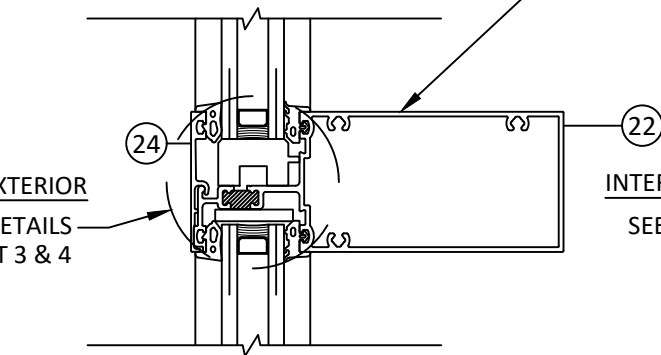
G
13
VERTICAL SECTION
HEAD - OPTIONAL HEAD RECEPTOR
OUTSIDE GLAZED

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
53-3/4"	114-3/4"	90 PSF
55-1/2"	114-3/4"	75 PSF
57-1/2"	114-3/4"	60 PSF
60"	114-3/4"	45 PSF
54"	120-3/4"	82 PSF
60"	120-3/4"	39 PSF
66"	120-3/4"	12 PSF
54"	126-3/4"	77 PSF
60"	126-3/4"	34 PSF
66"	126-3/4"	8 PSF

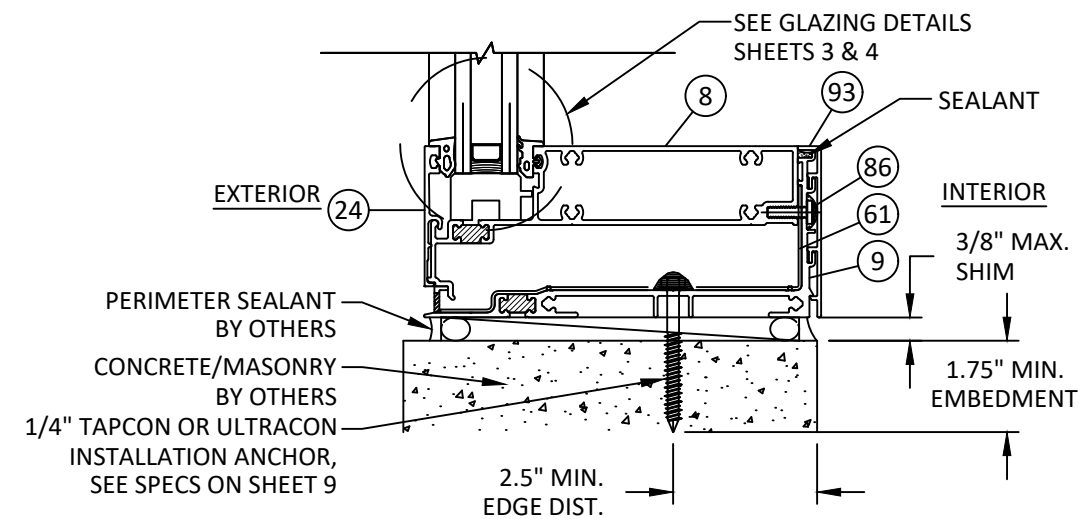
DESIGN LOADS SHOWN ABOVE ARE BASED ON MAX. GLASS AREA ABOVE HORIZONTAL



H
13
VERTICAL SECTION
HORIZONTAL MEMBER
OUTSIDE GLAZED



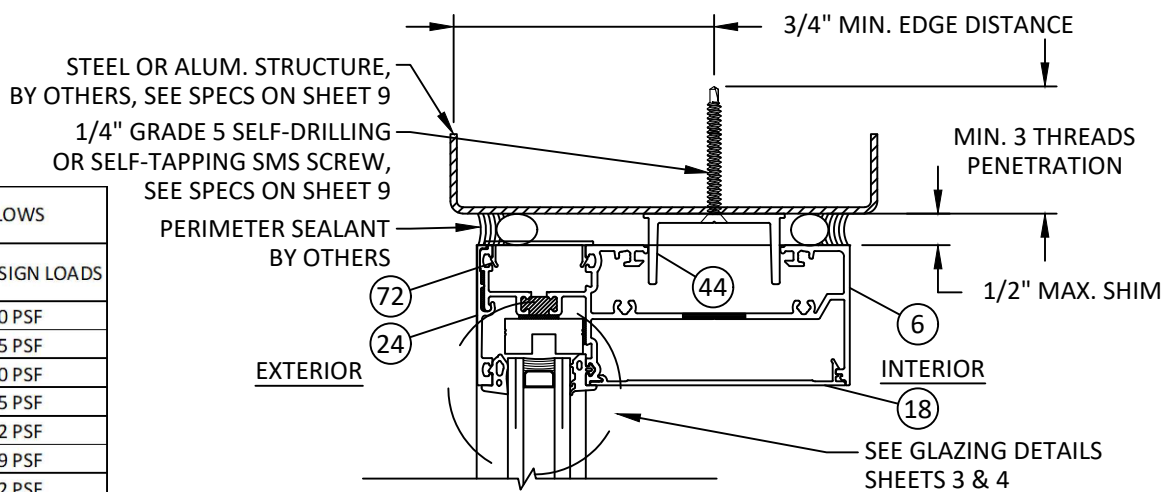
J
13
VERTICAL SECTION
HORIZONTAL MEMBER
SSG APPLICATION



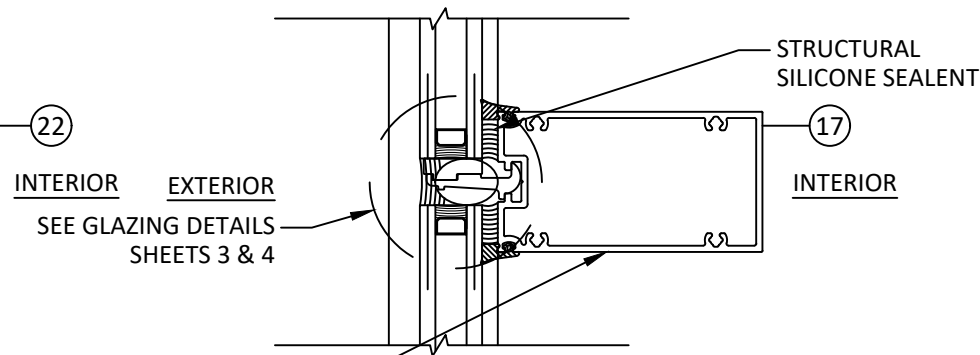
I
13
VERTICAL SECTION
SILL
OUTSIDE GLAZED

LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
49-3/8"	114-3/4"	90 PSF
52-1/8"	114-3/4"	75 PSF
55-1/2"	114-3/4"	60 PSF
60"	114-3/4"	45 PSF
54"	120-3/4"	65 PSF
60"	120-3/4"	44 PSF
66"	120-3/4"	30 PSF
54"	126-3/4"	64 PSF
60"	126-3/4"	43 PSF
66"	126-3/4"	29 PSF

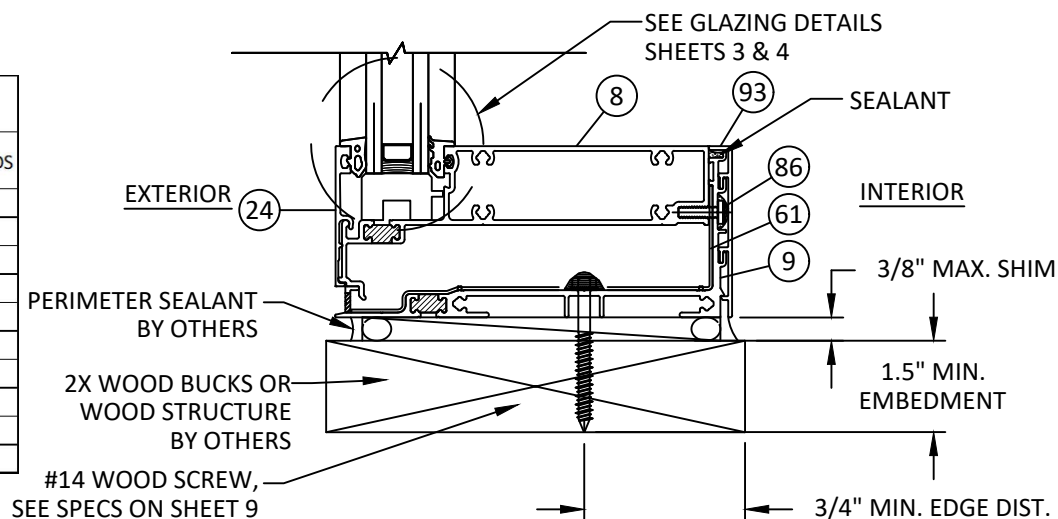
DESIGN LOADS SHOWN ABOVE ARE BASED ON MAX. GLASS AREA ABOVE HORIZONTAL



K
13
VERTICAL SECTION
HEAD
STRUCTURAL SILICONE GLAZED



L
13
VERTICAL SECTION
HORIZONTAL MEMBER
STRUCTURAL SILICONE GLAZED



M
13
VERTICAL SECTION
SILL
STRUCTURAL SILICONE GLAZED



YKK AP AMERICA

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)
VERTICAL SECTIONS (OG & SSG)

PREPARED BY:

BUILDING DROPS, INC.

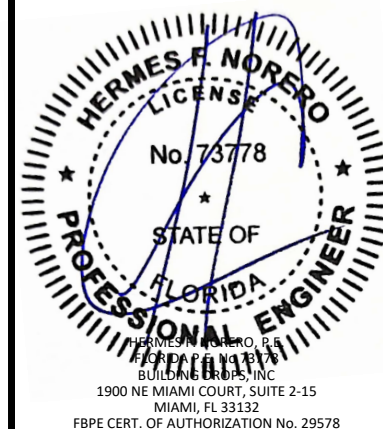
1900 NE MIAMI COURT, SUITE 2-15

MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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 #:	FL12611	
DATE:	11.27.19	
DWG. BY:	MS	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	YKK271	
SHEET:	13	

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

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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.

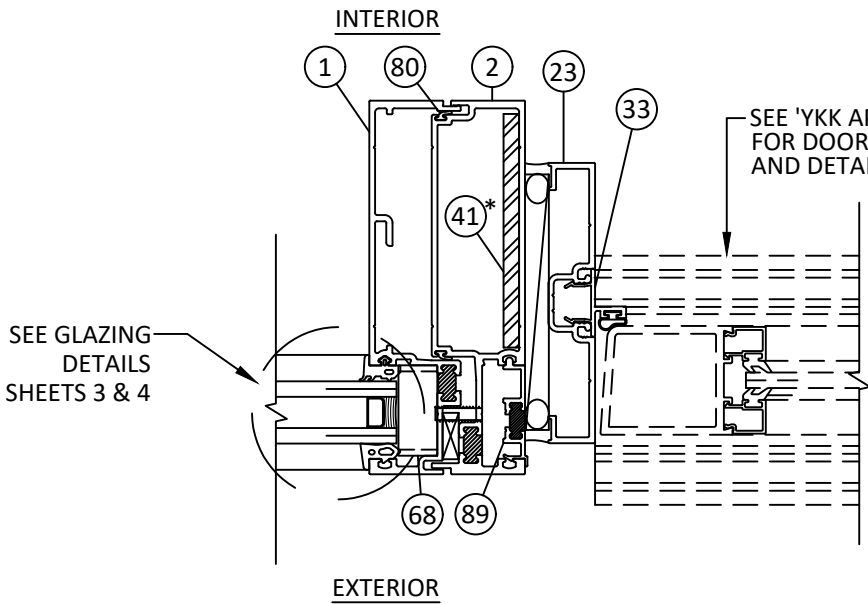


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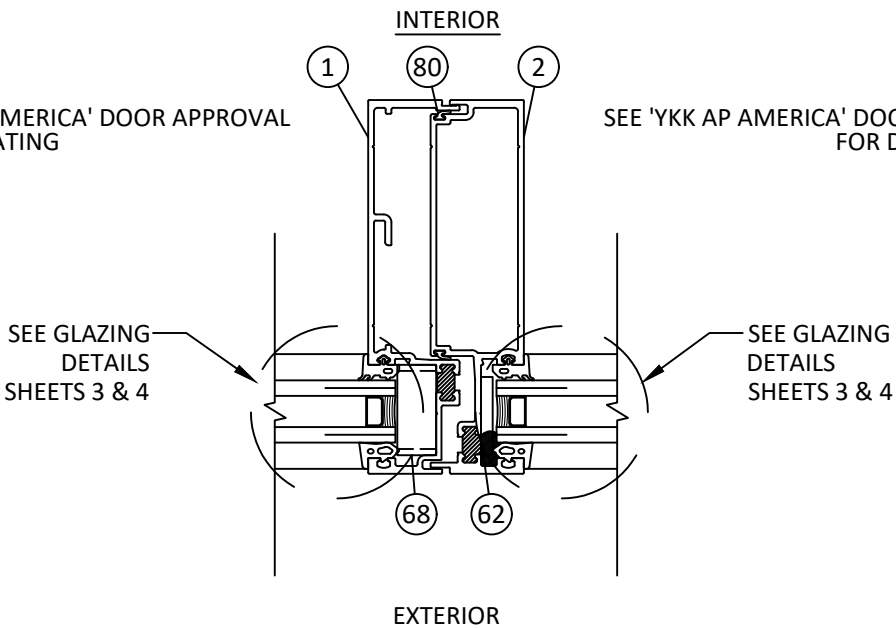


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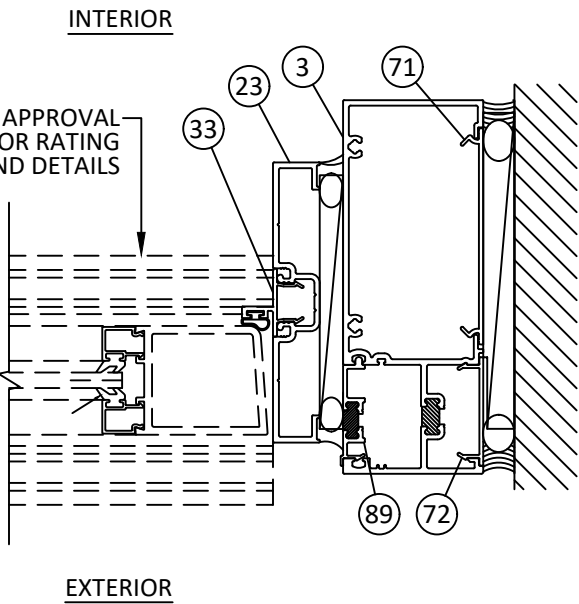
NOTE: COMPONENTS WITH * ARE OPTIONAL.



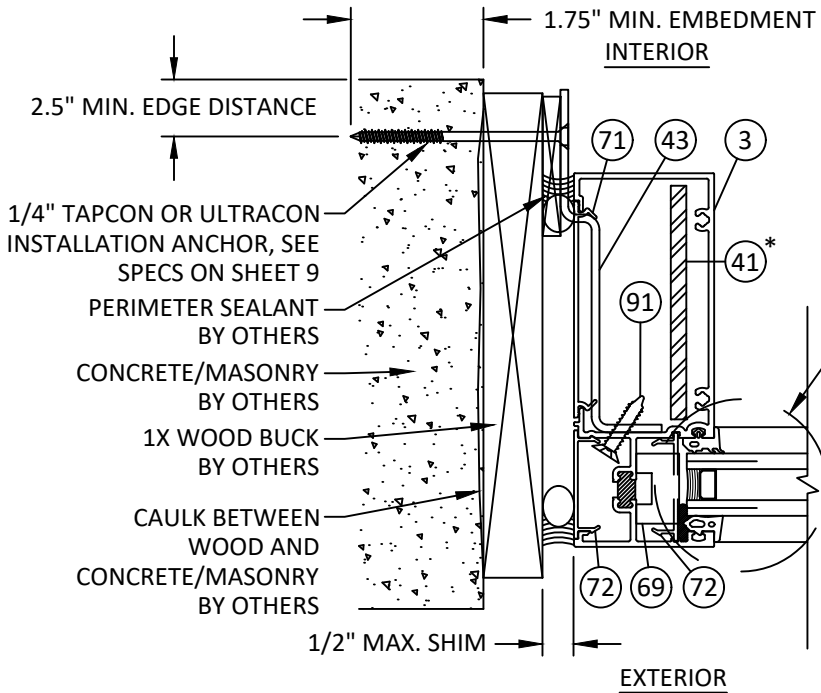
Q
15 HORIZONTAL SECTION
DOOR SIDELITE



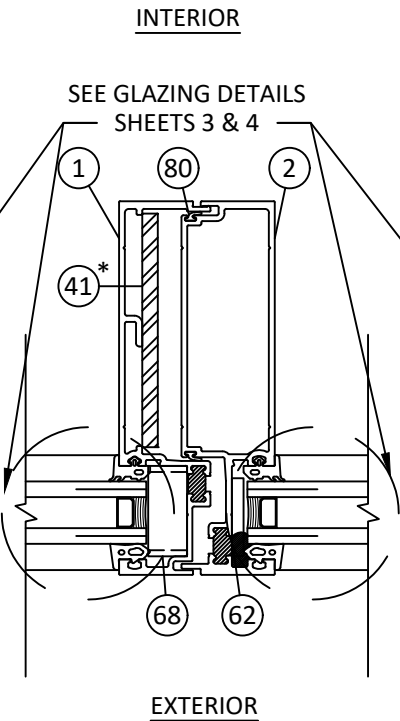
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15 HORIZONTAL SECTION
DOOR TRANSOM



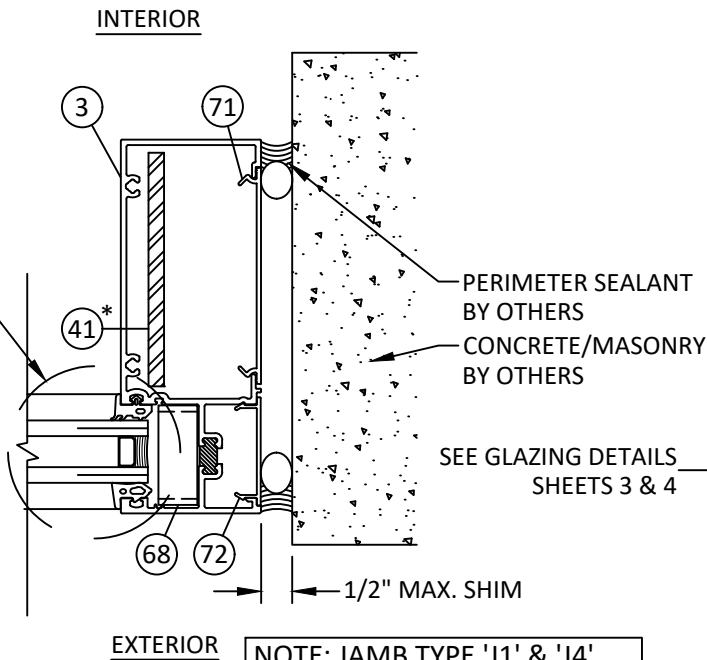
S
15 HORIZONTAL SECTION
DOOR JAMB



T
15 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK
OUTSIDE GLAZED

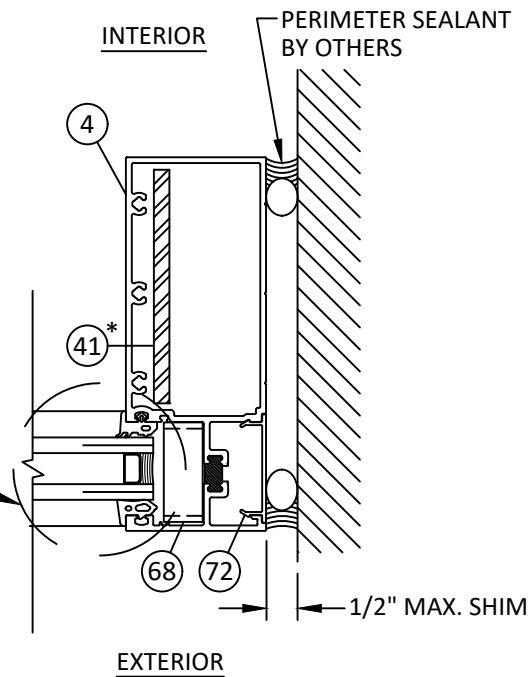


U
15 HORIZONTAL SECTION
VERTICAL MULLION
OUTSIDE GLAZED



V
15 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY
OUTSIDE GLAZED

NOTE: JAMB TYPE 'J1' & 'J4'
SHOWN IN OG, APPLICABLE TO
IG/SSG.



V1
15 HORIZONTAL SECTION
TUBULAR JAMB
OUTSIDE GLAZED



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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS (DOOR & OG)

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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FL #: **FL12611**

DATE: **11.27.19**

DWG. BY: **MS**

CHK. BY: **HFN**

SCALE: **NTS**

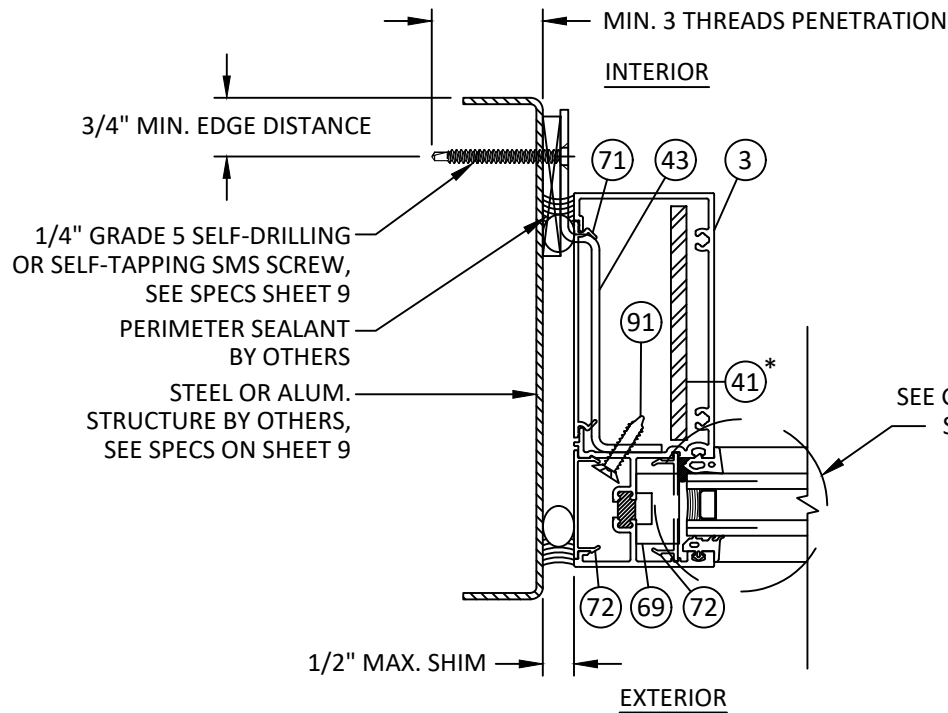
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SHEET:

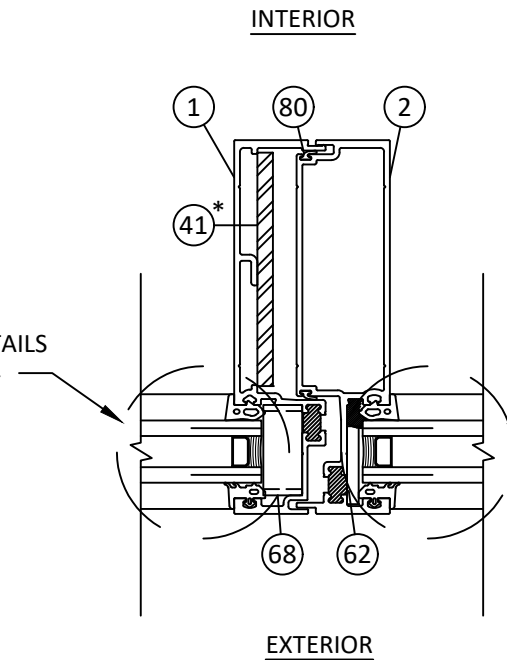
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OF 21

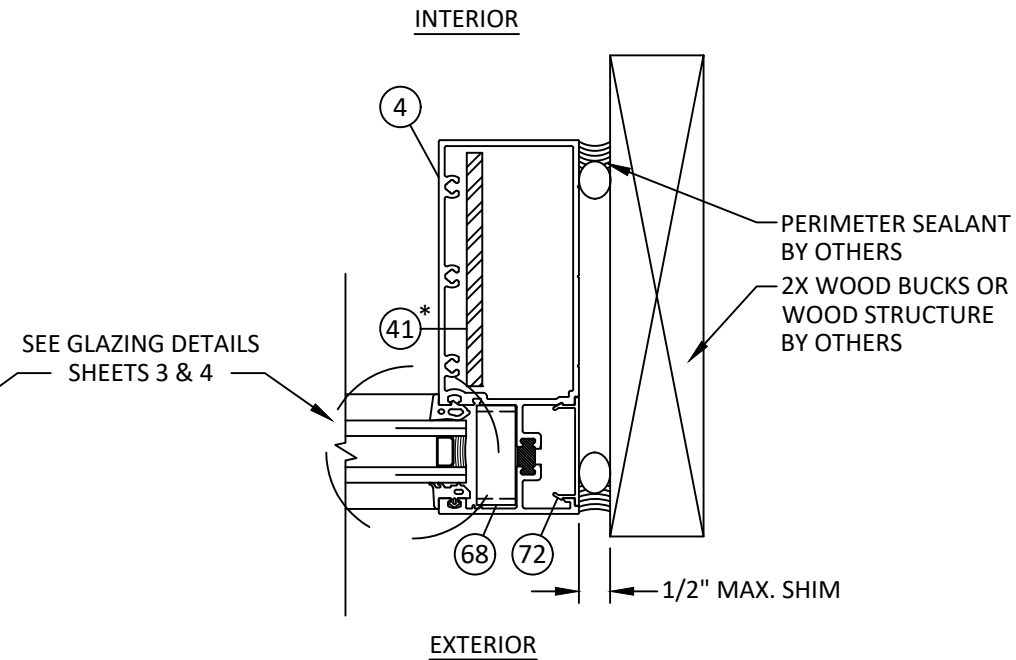
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W **HORIZONTAL SECTION**
16 JAMB - METAL SUBSTRATE
INSIDE GLAZED

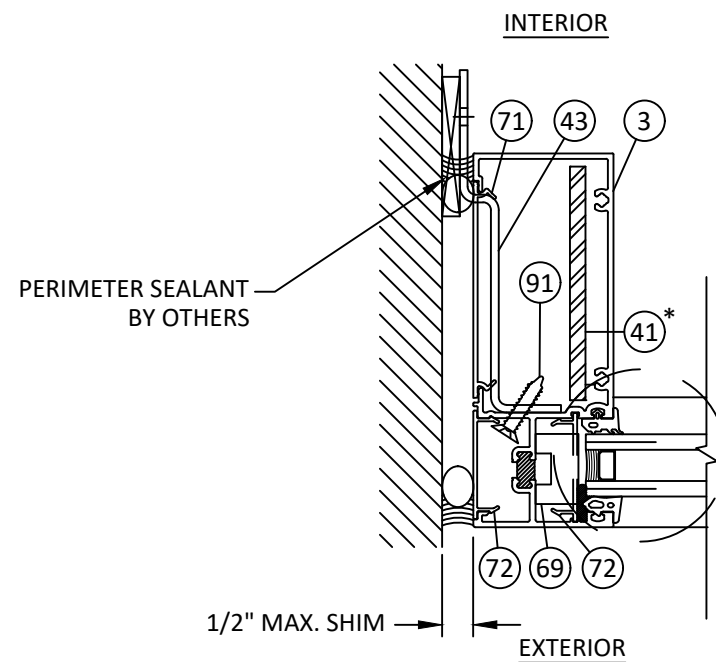


X **HORIZONTAL SECTION**
16 VERTICAL MULLION
INSIDE GLAZED

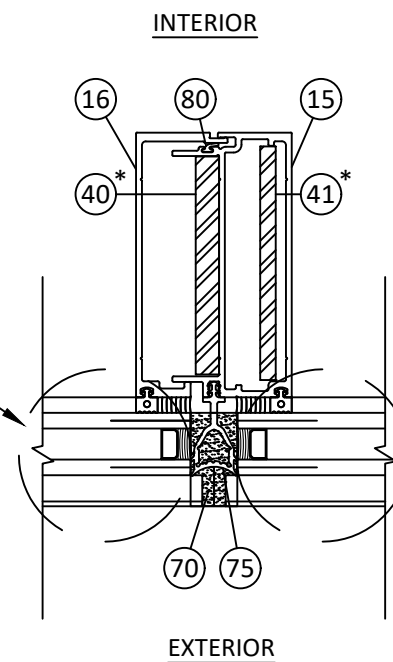


Y **HORIZONTAL SECTION**
16 TUBULAR JAMB - WOOD FRAMING
INSIDE GLAZED

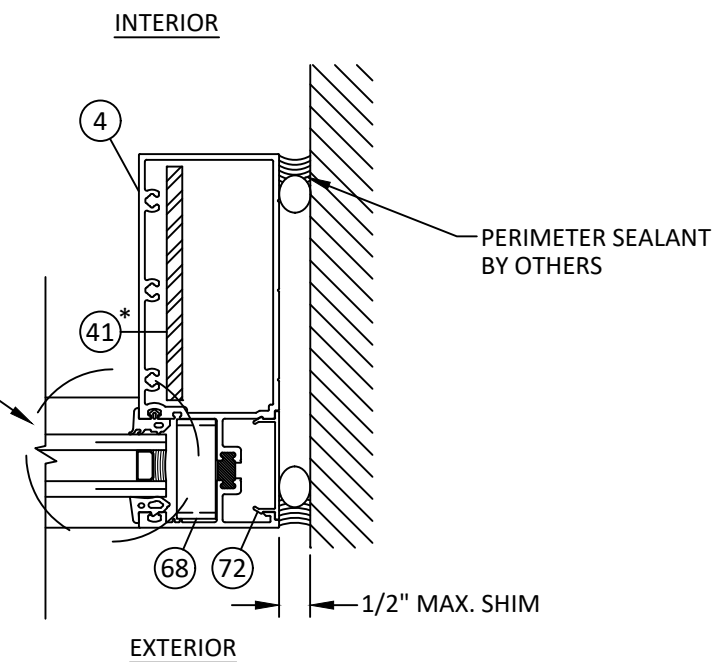
NOTE: COMPONENTS WITH * ARE OPTIONAL.



Z **HORIZONTAL SECTION**
16 JAMB
STRUCTURAL SILICONE GLAZED



AA **HORIZONTAL SECTION**
16 VERTICAL MULLION
STRUCTURAL SILICONE GLAZED



AB **HORIZONTAL SECTION**
16 TUBULAR JAMB
STRUCTURAL SILICONE GLAZED



YKK AP AMERICA

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS (IG & SSG)

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK271
SHEET:	16

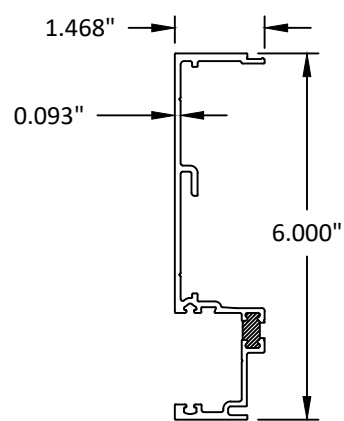
BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	BE9-2746	FEMALE MULLION	6063-T5	YKK AP AMERICA
2	BE9-2747	MALE MULLION	6063-T5	YKK AP AMERICA
3	BE9-2748	JAMB	6063-T5	YKK AP AMERICA
4	BE9-2793	TUBULAR JAMB	6063-T5	YKK AP AMERICA
5	-	-	-	-
6	BE9-2753	HEAD (OG)	6063-T5	YKK AP AMERICA
7	-	-	-	-
8	BE9-2863	SILL (OG)	6063-T5	YKK AP AMERICA
9	BE9-2865	SILL FLASHING	6063-T5	YKK AP AMERICA
10	BE9-2866	SILL FLASHING FOR SLAB EDGE	6063-T5	YKK AP AMERICA
11	BE9-2758	HEAD (IG)	6063-T5	YKK AP AMERICA
12	BE9-2759	HORIZONTAL IG	6063-T5	YKK AP AMERICA
13	BE9-2864	SILL (IG)	6063-T5	YKK AP AMERICA
14	BE9-2761	CORNER MULLION HALF	6063-T5	YKK AP AMERICA
15	E9-2751	SSG MALE MULLION	6063-T5	YKK AP AMERICA
16	E9-2750	SSG FEMALE MULLION	6063-T5	YKK AP AMERICA
17	E9-2752	SSG HORIZONTAL MULLION	6063-T5	YKK AP AMERICA
18	E9-2762	HEAD/SILL FLAT FILLER	6063-T5	YKK AP AMERICA
19	E9-2763	GLASS STOP	6063-T5	YKK AP AMERICA
20	BE9-2787	HEAD (IG) S.B.	6063-T5	YKK AP AMERICA
21	BE9-2788	HORIZONTAL (IG) S.B.	6063-T5	YKK AP AMERICA
22	BE9-2792	HORIZONTAL (FG OG)	6063-T5	YKK AP AMERICA
23	E9-2344	DOOR JAMB ADAPTER SUBFRAME	6063-T5	YKK AP AMERICA
24	E9-1715	EXTERIOR GLASS STOP	6063-T5	YKK AP AMERICA
25	E9-2732	ANCHOR (STOCK LENGTH)	6063-T5	YKK AP AMERICA
26	E9-7852	IG GLASS STOP	6063-T5	YKK AP AMERICA
27	E9-7853	INTERIOR TRIM COVER	6063-T5	YKK AP AMERICA
28	BE9-7736	THERMAL HEAD RECEPTOR	6063-T5	YKK AP AMERICA
29	BE9-7299	SLAB EDGE HEAD RECEPTOR	6063-T5	YKK AP AMERICA
30	E9-8157	HEAVY DUTY RECEPTOR SNAP COVER	6063-T5	YKK AP AMERICA
31	E9-8720	RECEPTOR SNAP COVER	6063-T5	YKK AP AMERICA
32	E9-8222	ALUMINUM PLATE ADAPTOR	6063-T5	YKK AP AMERICA
33	AS-017	SNAP-IN DOOR STOP	6063-T5	YKK AP AMERICA
34A	E9-8428	9" ALUMINUM PLATE	6063-T5	YKK AP AMERICA
34B	E9-8589	8" ALUMINUM PLATE	6063-T5	YKK AP AMERICA
34C	E9-8231	7-7/8" ALUMINUM PLATE	6063-T5	YKK AP AMERICA
34D	E9-8223	7-3/8" ALUMINUM PLATE	6063-T5	YKK AP AMERICA
34E	E9-7723	6-5/8" ALUMINUM PLATE	6063-T5	YKK AP AMERICA
34F	E9-8089	6-1/8" ALUMINUM PLATE	6063-T5	YKK AP AMERICA
35	E9-2740	90 DEG. CORNER COVER (LARGE)	6063-T5	YKK AP AMERICA
36	E9-2741	90 DEG. CORNER COVER (SMALL)	6063-T5	YKK AP AMERICA
37	E9-2742	135 DEG. CORNER COVER (LARGE)	6063-T5	YKK AP AMERICA
38	E9-2743	135 DEG. CORNER COVER (SMALL)	6063-T5	YKK AP AMERICA
39	-	STEEL REINFORCEMENT	STEEL	3/8" X 3-3/4"
40	-	STEEL REINFORCEMENT	STEEL	3/8" X 3-1/2"
41	-	STEEL REINFORCEMENT	STEEL	1/4" X 3-3/4"
42	E1-2852	END DAM FOR SILL FLASHING	ALUMINUM SHEET	-
43	E1-1149	JAMB STRAP ANCHOR	STEEL	6" LENGTH
44	E1-1190	ANCHOR (10" CUT)	6063-T5	YKK AP AMERICA
45	E1-2854	SILL STRAP ANCHOR (10" CUT)	6063-T5	YKK AP AMERICA
46	E1-1191	HEAD STRAP ANCHOR (10" CUT)	6063-T5	YKK AP AMERICA
47	E1-1197	END CAP FOR HEAD RECEPTOR	ALUMINUM SHEET	YKK AP AMERICA

BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
48	E1-2813	HEAD RECEPTOR SPLICE SLEEVE	6063-T5	YKK AP AMERICA
49	E1-3545	SETTING BLOCK CHAIR	6063-T5	YKK AP AMERICA
50	E1-9855	END DAM FOR HEAD RECEPTOR	ALUMINUM SHEET	-
51	E1-9951	END DAM FOR SILL FLASHING	ALUMINUM SHEET	-
52A	E1-9956	9" END CAP	ALUMINUM SHEET	-
52B	E1-9955	8" END CAP	ALUMINUM SHEET	-
52C	E1-9954	7-7/8" END CAP	ALUMINUM SHEET	-
52D	E1-9953	7-3/8" END CAP	ALUMINUM SHEET	-
52E	E1-9985	6-5/8" END CAP	ALUMINUM SHEET	-
52F	E1-9984	6-1/8" END CAP	ALUMINUM SHEET	-
53	-	-	-	-
54	E1-9957	END DAM FOR SLAB EDGE HEAD RECEPTOR	ALUMINUM SHEET	-
55	E1-9959	SPLICE SLEEVE	6063-T5	YKK AP AMERICA
56	E1-9961	SPLICE SLEEVE	ALUMINUM SHEET	-
57	E2-0019	SETTING BLOCK	EPDM	-
58	E2-0047	WATER DEFLECTOR	COMPOSITE	-
59	E2-0054	SETTING BLOCK	EPDM	-
60	E2-0068	SETTING BLOCK	EPDM	-
61	E2-0070	SILICONE SPLICE SLEEVE	SILICONE	-
62	E2-0133	SIDE BLOCK	EPDM	-
63	E2-0099	WEEP BAFFLE	SPONGE	-
64	E2-0150	SETTING BLOCK	EPDM	-
65	E2-0178	SETTING BLOCK	EPDM	-
66	E2-0224	SSG SETTING BLOCK	SILICONE RUBBER	-
67	E2-0259	BACKER TAPE	PVC SPONGE	-
68	E2-0546	ANTI-WALK BLOCK	EPDM	-
69	E2-0628	TOP BLOCK	EPDM	-
70	E2-9802	SSG JOINT PLUG	EPDM	-
71	E3-0023	FLAT FILLER	PVC	-
72	E3-3664	PVC PERIMETER FILLER	PVC	-
73	E2-0801	DART GASKET	EPDM	-
74	E2-0808	WEDGE GASKET	EPDM	-
75	E2-0540	SSG WEATHERSEAL	SILICONE	-
76	E2-0541	DART GASKET	EPDM	-
77	E2-0542	WEDGE GASKET	EPDM	-
78	E2-0544	VERTICAL SSG SPACER	-	-
79	E2-7001	HORIZONTAL SSG GASKET	SILICONE	-
80	E2-7010	WEATHER SEAL GASKET	EPDM	-
81	E2-0051	AIRTIGHT GASKET	SANTOPRENE	-
82	E2-0065	PUSH-IN SPACER	EPDM	-
83	PC-1210	#12 X 5/8" PHSMS TYPE AB	ZINC PLATED STEEL	-
84	PC-1220	#12 X 1-1/4" PHSMS TYPE AB	ZINC PLATED STEEL	-
85	PC-1224	#12 X 1-1/2" PHSMS TYPE AB	ZINC PLATED STEEL	-
86	PM-1010	#10-24 X 5/8" PHMS	STAINLESS STEEL	-
87	PM-1006-SS	#10-24 X 3/8" PHSMS/PHMS	STAINLESS STEEL	-
88	UA-1212	#12 X 3/4" UFHSMS TYPE A	ZINC PLATED STEEL	-
89	BY7-9241	FLAT FILLER	6063-T5	YKK AP AMERICA
90	-	-	-	-
91	FC-1216	#12 X 1" FHSMS	ZINC PLATED STEEL	-
92	E2-0110	1/4" X 1/4" SPACER TAPE	POLYURETHANE FOAM	-
93	E9-2868	SILL FLASHING INTERIOR COVER	6063-T5	YKK AP AMERICA
94	E9-2869	ALT. SILL FLASHING INTERIOR COVER	6063-T5	YKK AP AMERICA

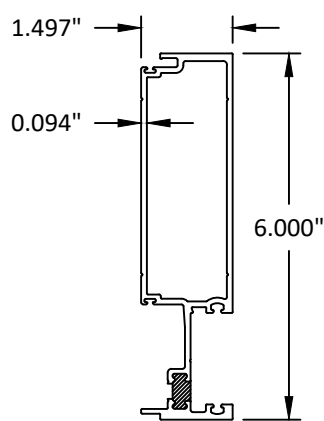
 Quality inspires™		
YKK AP AMERICA 1229 HWY 441 BYPASS DUBLIN, GEORGIA 31021 PH: (478)277-1955 FAX: (678)838-6001		
TITLE: YWW 60 TU WINDOW WALL SYSTEM (PRE-GLAZED) (HVHZ) (NON-IMPACT)	BILL OF MATERIALS BUILDING DROPS, INC. 1900 NE MIAMI COURT, SUITE 2-15 MIAMI, FL 33132 PH: (954)399-8478 FAX: (954)744-4738 WEB: www.buildingdrops.com	
PREPARED BY:  BUILDING DROPS		
REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
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 HERMES F. NORERO, P.E. 1900 NE MIAMI COURT, SUITE 2-15 MIAMI, FL 33132 BUILDING DROPS, INC. FBPE CERT. OF AUTHORIZATION NO. 29578		
FL #:		
FL12611		
DATE: 11.27.19		
DWG. BY: MS	CHK. BY: HFN	
SCALE: NTS		
DWG. #: YKK271		
SHEET:		
18		
OF 21		

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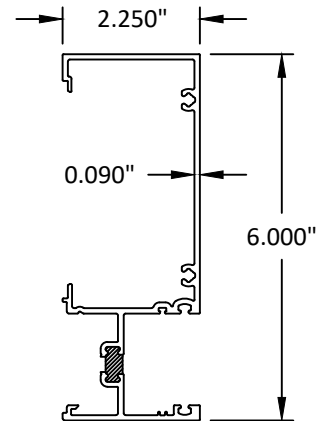
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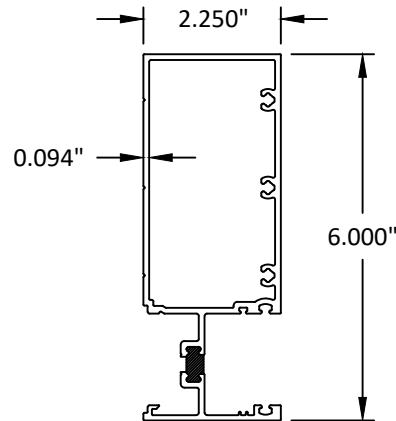
1 FEMALE MULLION



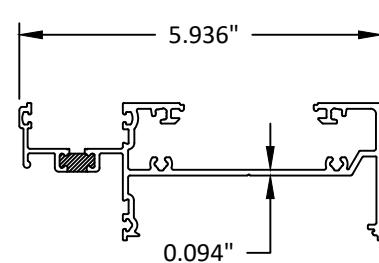
2 MALE MULLION



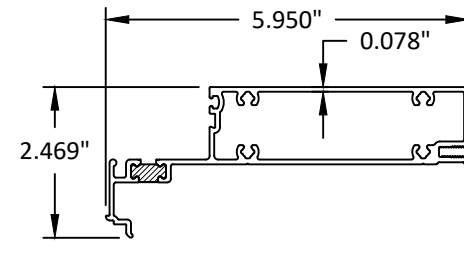
3 JAMB



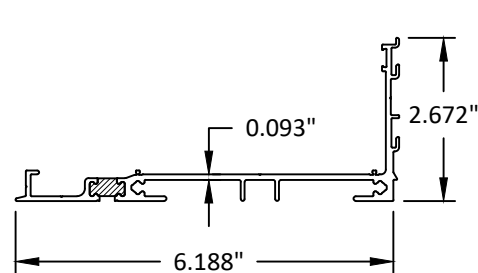
4 TUBULAR JAMB



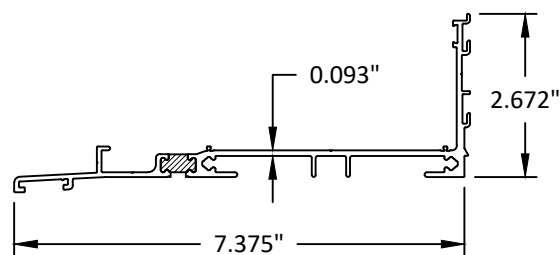
6 HEAD (OG)



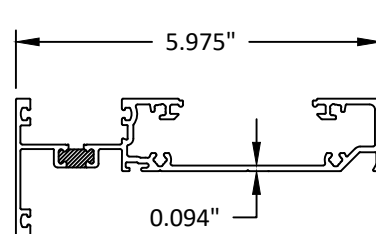
8 SILL (OG)



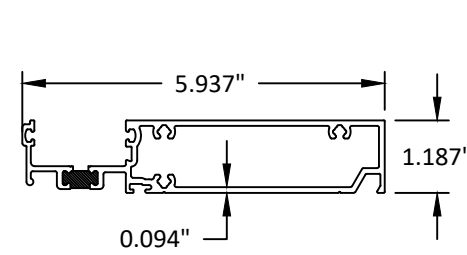
9 SILL FLASHING



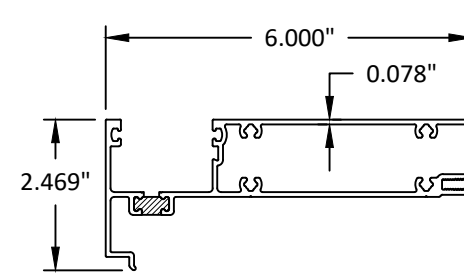
10 SILL FLASHING FOR SLAB EDGE



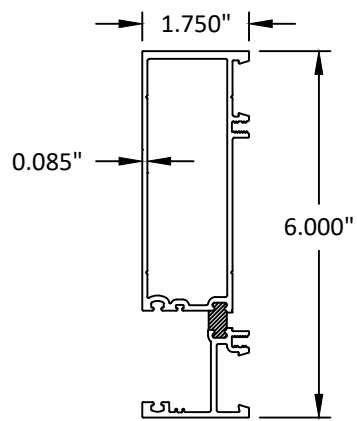
11 HEAD (IG)



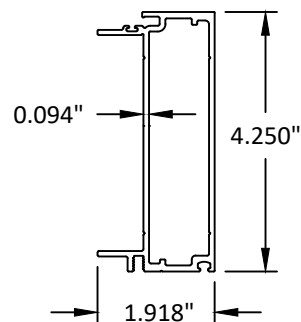
12 HORIZONTAL (IG)



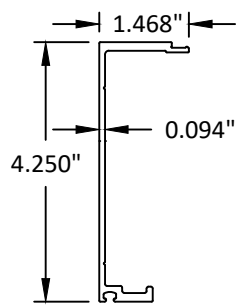
13 SILL (IG)



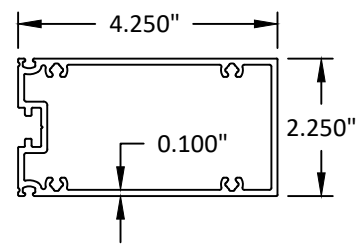
14 CORNER MULLION HALF



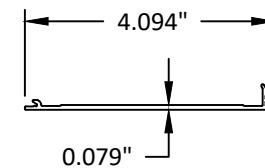
15 SSG MALE MULLION



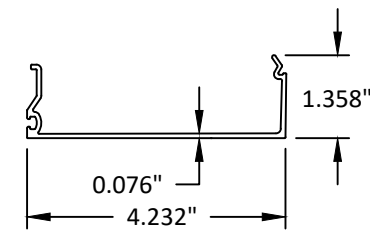
16 SSG MALE MULLION



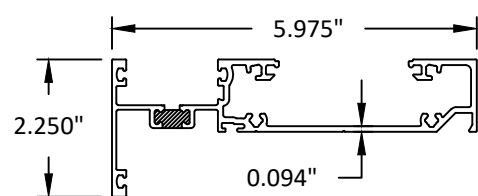
17 SSG HORIZONTAL MULLION



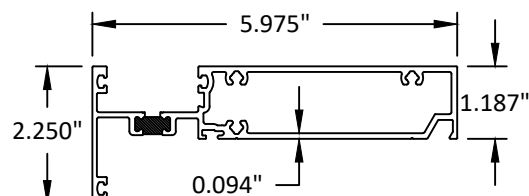
18 HEAD/SILL FLAT FILLER



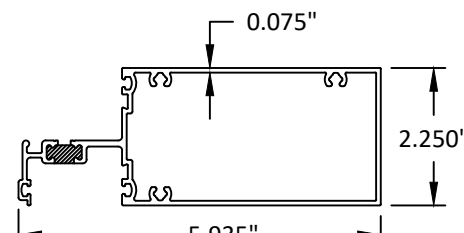
19 GLASS STOP



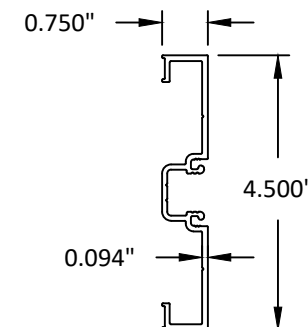
20 HEAD (IG) S.B.



21 HORIZONTAL (IG) S.B.



22 HORIZONTAL (OG)



23 DOOR JAMB ADPATER SUBFRAME



YKK AP AMERICA

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

TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)

COMPONENTS (1)

PREPARED BY:

BUILDING DROPS, INC.

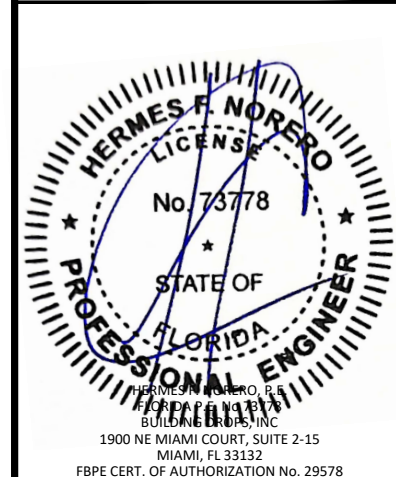
1900 NE MIAMI COURT, SUITE 2-15

MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



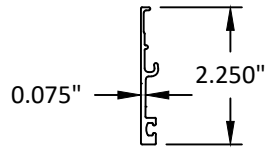
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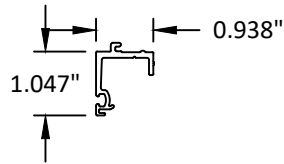


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SHEET:	19

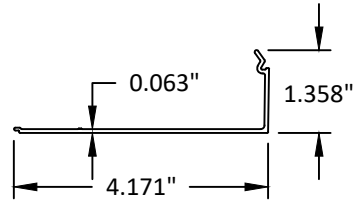
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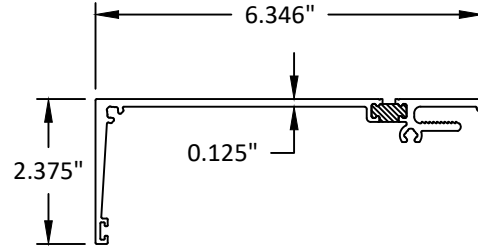
24 EXTERIOR GLASS STOP



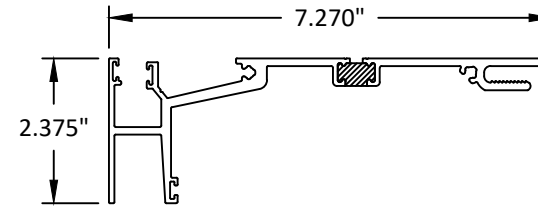
26 IG GLASS STOP



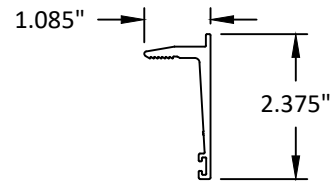
27 INTERIOR TRIM COVER



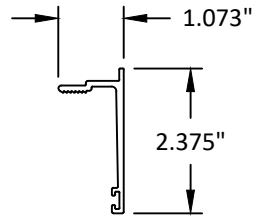
28 THERMAL HEAD RECEPTOR



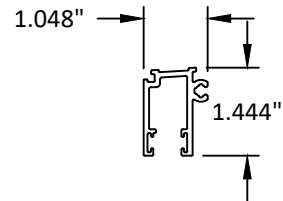
29 SLAB EDGE RECEPTOR



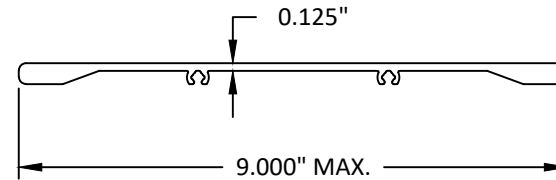
30 HEAVY DUTY RECEPTOR SNAP COVER



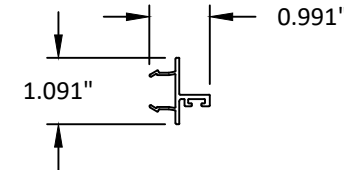
31 RECEPTOR SNAP COVER



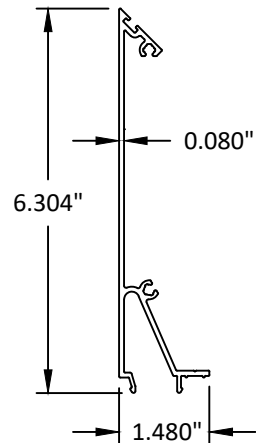
32 ALUMINUM PLATE ADAPTOR



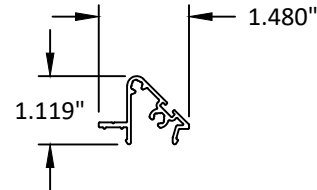
34 SLAB EDGE COVER



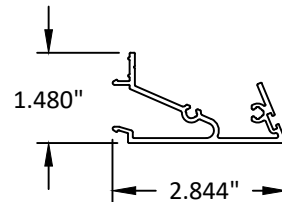
33 SNAP-IN DOOR STOP



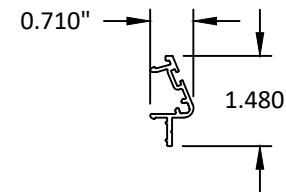
35 90 DEGREE CORNER COVER (LARGE)



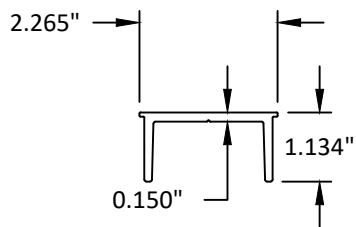
36 90 DEGREE CORNER COVER (SMALL)



37 135 DEGREE CORNER COVER (LARGE)

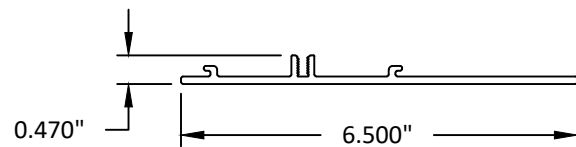


38 135 DEGREE CORNER COVER (SMALL)

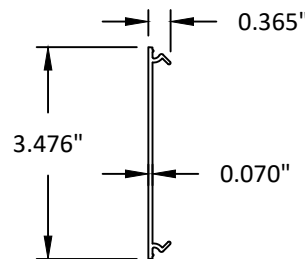


44 ANCHOR (10" CUT)

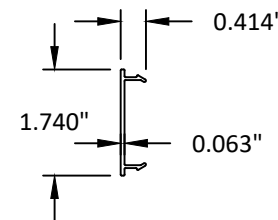
25 ANCHOR (STOCK LENGTH)



45 SILL STRAP ANCHOR



71 FLAT FILLER



72 PVC PERIMETER FILLER



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

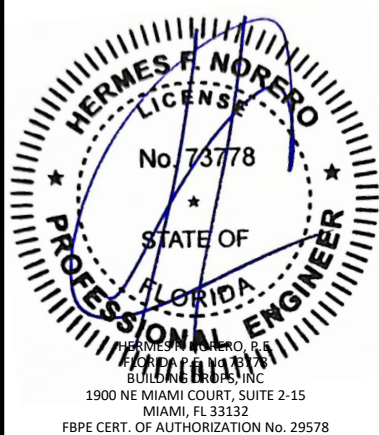
TITLE: YWW 60 TU WINDOW WALL
SYSTEM (PRE-GLAZED)
(HVHZ) (NON-IMPACT)
COMPONENTS (2)

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



REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24

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 #:
FL12611

DATE: **11.27.19**

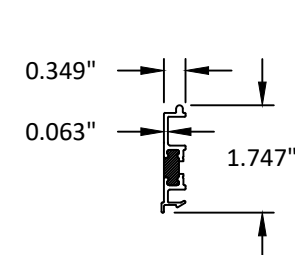
DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

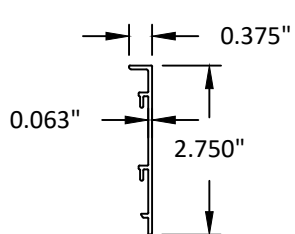
DWG. #: **YKK271**

SHEET:
20
OF 21

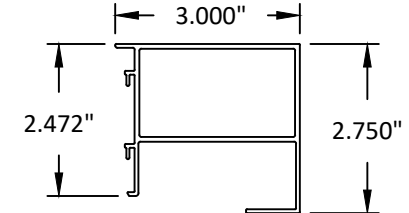
c:\users\sebastianherrerero\building drops, inc\building drops landing - common\projects\ykk ap america, inc\fbc-24-0737 - fbc submittal - aluminum window wall systems\dwgs\ykk271.dwg 12/12/2024 10:31 AM



89 FLAT FILLER



93 SILL FLASHING INTERIOR COVER



94 ALT. SILL FLASHING INTERIOR COVER



Quality
inspires™

YKK AP AMERICA

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

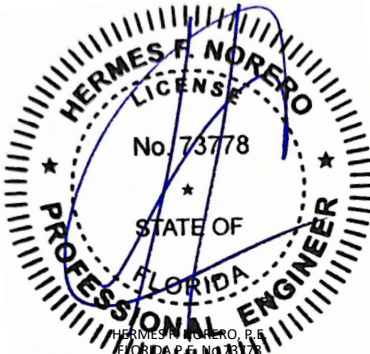
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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL12611

DATE:

11.27.19

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK271

SHEET:

21

OF 21