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.
   - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
   - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
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 501-25
   - ASTM E283-19
   - ASTM E330-14
   - ASTM E331-00(23)
   - 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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18	BILL OF MATERIALS
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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 AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
9TH FBC CODE CHANGE	SH	6.29.26

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: 2026.07.31 11:15:07 -04'00'

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
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: 1 | REV. C

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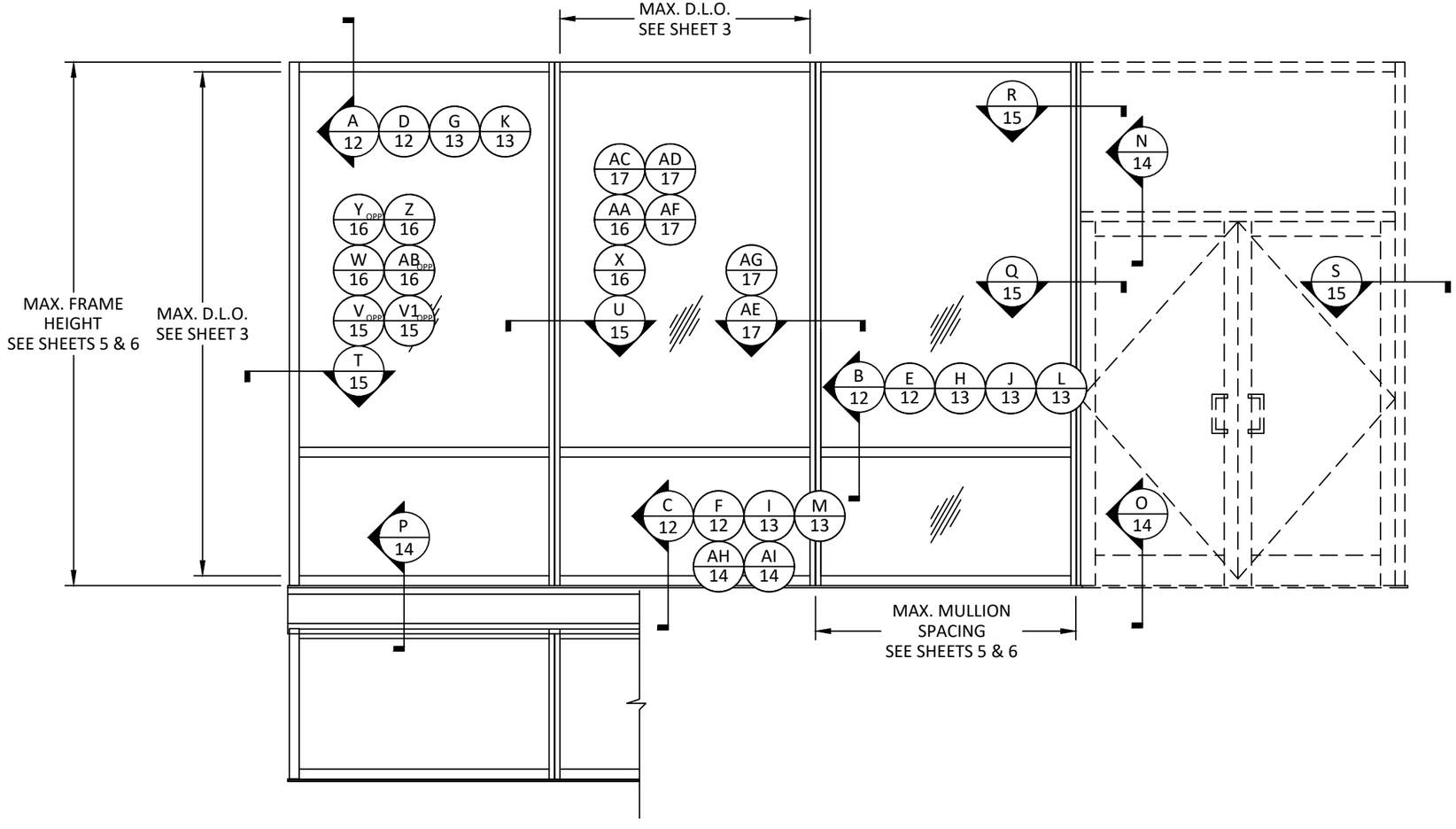

ELEVATION

TYPICAL YWW 60 TU WINDOW WALL

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
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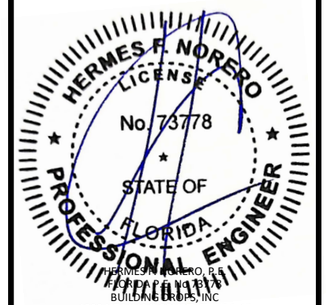

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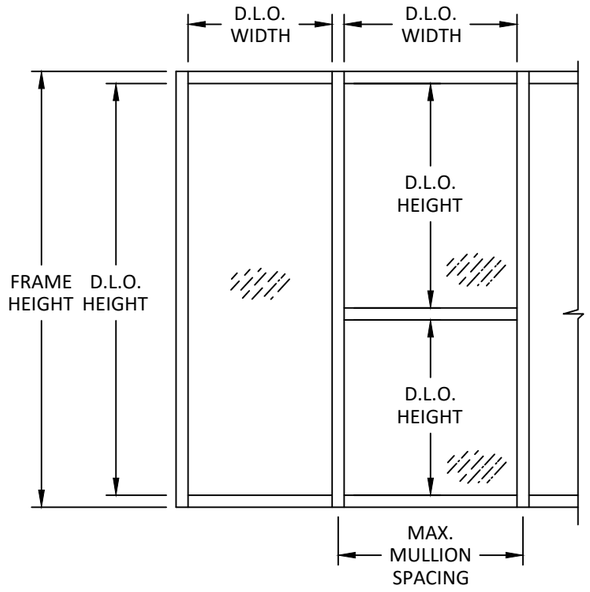
DRY GLAZED SYSTEMS

(NON-IMPACTED)

GLASS LOAD CAPACITY (PSF)			
NOMINAL D.L.O. SIZE (IN)		IG/OG	SSG
WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30.125	66.625	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		42.7	42.7
72.125		45.0	45.0
30.125	72.625	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
72.125		38.8	38.8
30.125	78.625	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
72.125		37.2	37.2
30.125	84.625	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
72.125		37.2	37.2
30.125	90.625	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
72.125		37.2	37.2
30.125	96.625	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
72.125		37.2	37.2

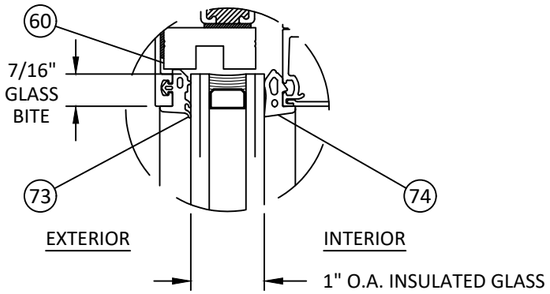
GLASS LOAD CAPACITY (PSF)			
NOMINAL D.L.O. SIZE (IN)		IG/OG	SSG
WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30.125	102.625	45.0	45.0
36.125		45.0	45.0
42.125		45.0	45.0
48.125		45.0	45.0
54.125		45.0	45.0
60.125		44.9	44.9
66.125		40.7	40.7
69.125		38.8	38.8
30.125	108.625	45.0	45.0
36.125		45.0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



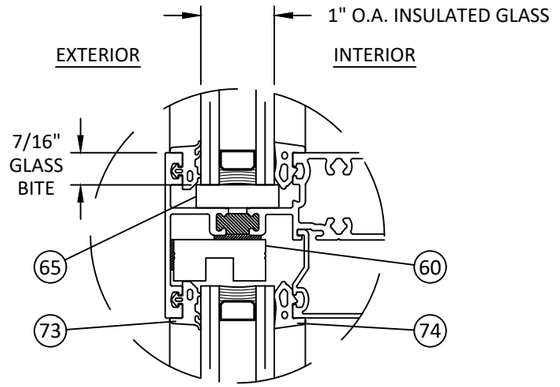
DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH:
- MAX. MULLION SPACING - 2.5"

DAYLITE OPENING HEIGHT:
- FRAME HEIGHT - 4.5"

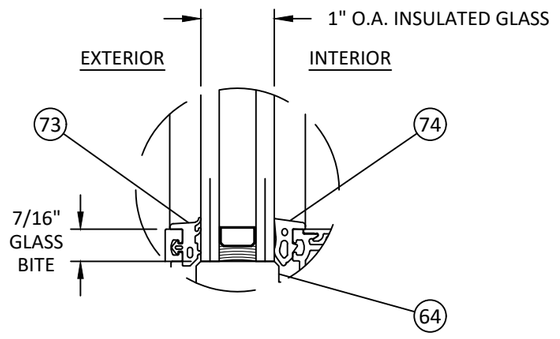
GLAZING NOTES:
1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS 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.



GLAZING DETAIL 1
TYPICAL AT HEAD FOR INSIDE GLAZED (IG) SYSTEMS



GLAZING DETAIL 2
TYPICAL AT INTERMEDIATE HORIZONTAL FOR INSIDE GLAZED (IG) SYSTEMS



GLAZING DETAIL 3
TYPICAL AT SILL FOR INSIDE GLAZED (IG) SYSTEMS

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TITLE: YWW 60 TU WINDOW WALL SYSTEM (PRE-GLAZED) (HVHZ) (NON-IMPACT)
GLAZING DETAILS & GLASS LOAD TABLE

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SILL UPDATES	SH	8.6.24
9TH FBC CODE CHANGE	SH	6.29.26

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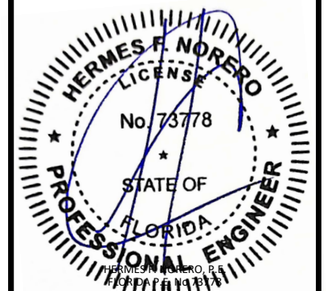

HERMES F. NORERO, P.E.
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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611
DATE: 11.27.19
DWG. BY: MS
CHK. BY: HFN
SCALE: NTS
DWG. #: YKK271
SHEET: 3
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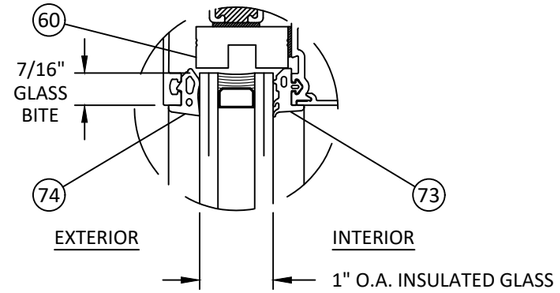
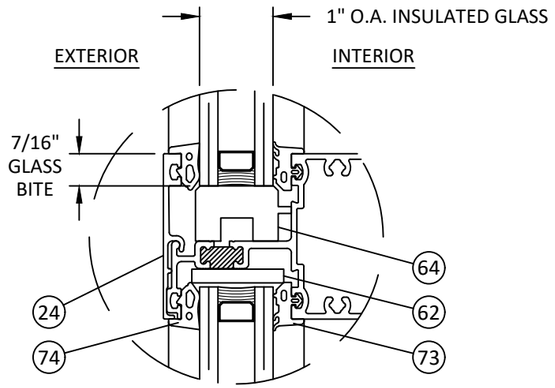
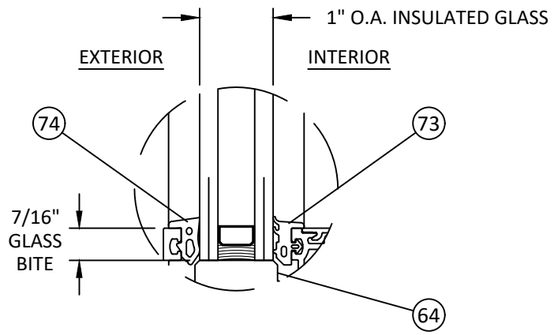


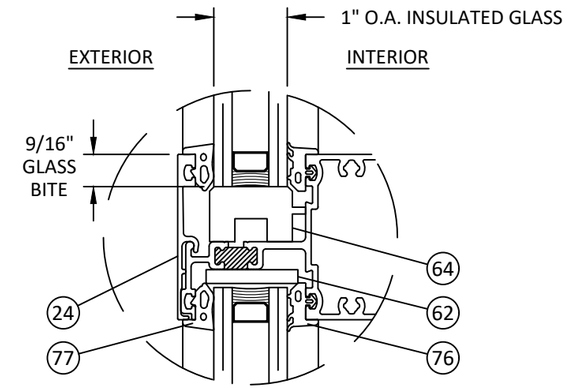
GLAZING DETAIL 4
TYPICAL AT HEAD FOR OUTSIDE GLAZED (OG) SYSTEMS



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



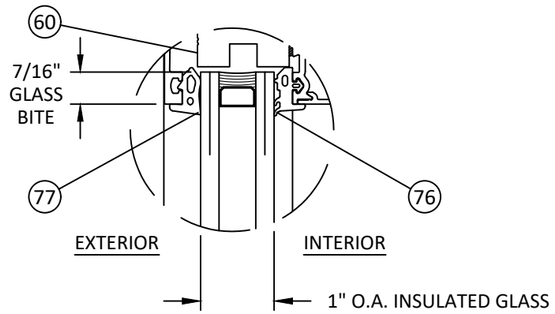
GLAZING DETAIL 6
TYPICAL AT SILL FOR OUTSIDE GLAZED (OG) SYSTEMS



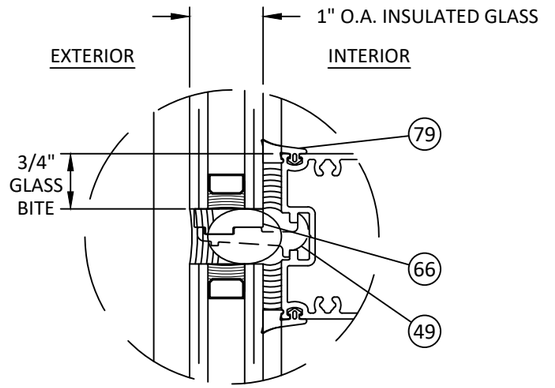
GLAZING DETAIL 7
TYPICAL AT INTERMEDIATE HORIZONTAL FOR CAPTURED SSG SYSTEMS

GLAZING NOTES:
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.

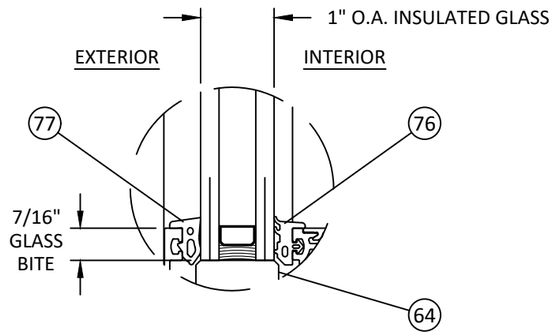
ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS.
PRIMARY SEALANT:
POLYISOBUTYLENE (PIB).
SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.



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

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GLAZING DETAILS

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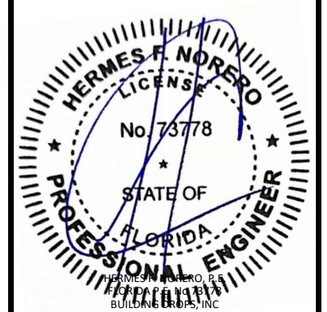
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
9TH FBC CODE CHANGE	SH	6.29.26

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
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: 4 | REV. C

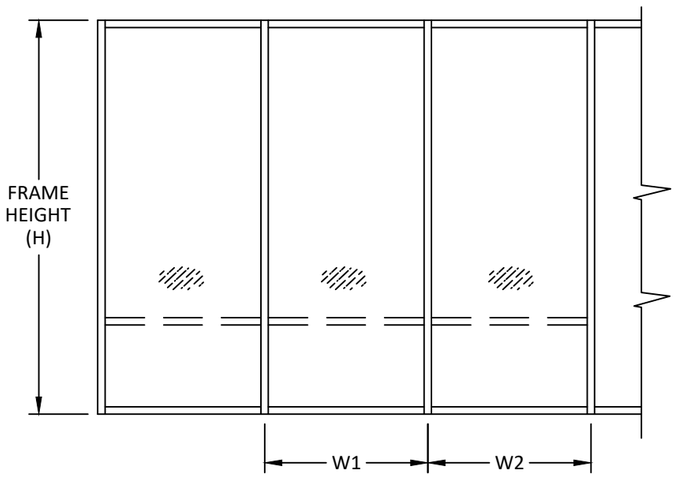
7/24/2026 9:39 AM
c:\users\sebastianherreros\desktop\ykk 2026 cc\fl12611\ykk271.dwg

7/24/2026 9:39 AM

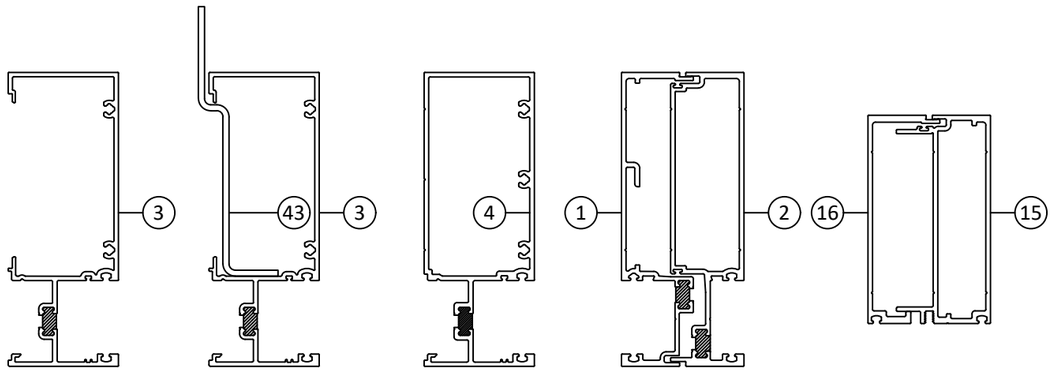
MULLION LOAD TABLE

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		45.0	45.0	45.0	45.0	45.0
30	72	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		45.0	45.0	45.0	45.0	45.0
30	78	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		45.0	45.0	45.0	45.0	45.0
30	84	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		45.0	45.0	45.0	45.0	45.0
30	90	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		45.0	45.0	45.0	45.0	41.4
30	96	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	43.7
66		45.0	45.0	45.0	45.0	39.7
72		45.0	45.0	45.0	45.0	36.4
30	102	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	43.0
60		45.0	45.0	45.0	45.0	38.7
66		45.0	45.0	45.0	45.0	35.2
72		45.0	45.0	45.0	45.0	32.3

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		45.0	45.0	45.0	45.0	28.8
30	114	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		45.0	45.0	45.0	45.0	28.2
72		45.0	45.0	45.0	44.1	25.8
30	120	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		42.8	45.0	45.0	45.0	45.0
30	126	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		42.3	45.0	45.0	45.0	44.1
30	132	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		42.4	45.0	45.0	45.0	42.2
30	138	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		43.1	45.0	45.0	45.0	41.0
60		38.8	45.0	45.0	45.0	36.9
30	144	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



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



JAMB - 'J1' | JAMB W/ ANCHOR - 'J2' | JAMB - 'J3' | MULLION - 'M1' | MULLION - 'M2'

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

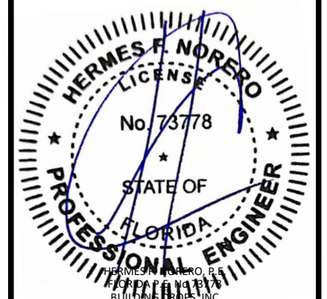
YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

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
9TH FBC CODE CHANGE	SH	6.29.26

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
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 | REV. C

OF 21

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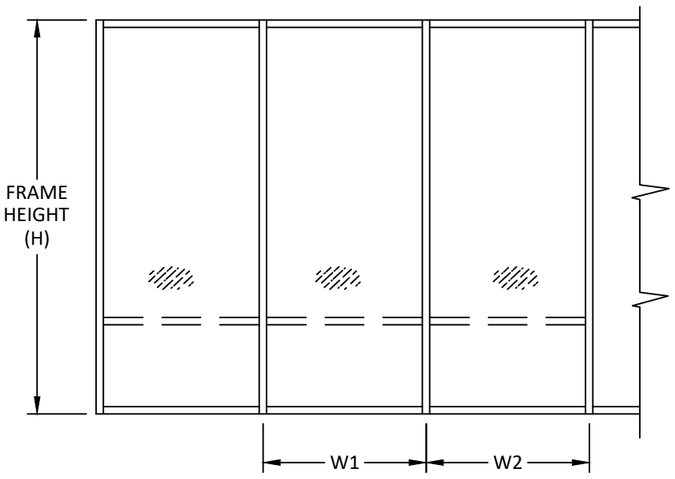
7/24/2026 9:39 AM

REINFORCED MULLION LOAD TABLE

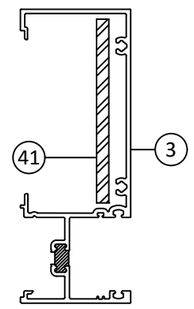
WITH STEEL

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

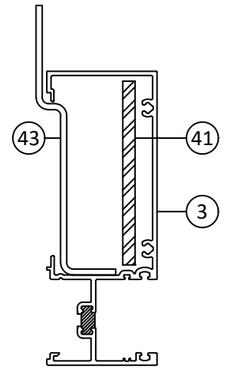
DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J4'	JAMB 'J5'	JAMB 'J6'	MULLION 'M3'	MULLION 'M4'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	108	100.0	100.0	100.0	100.0	100.0
36		100.0	100.0	100.0	100.0	100.0
42		100.0	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
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
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
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



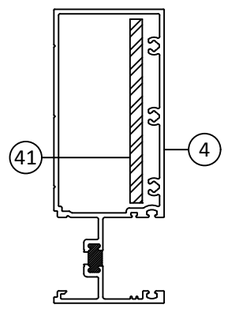
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



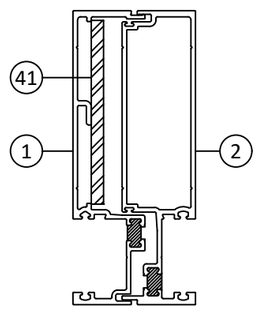
JAMB W/ STEEL - 'J4'



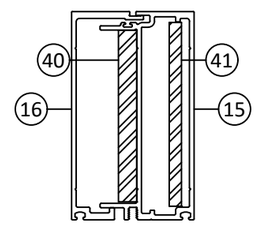
JAMB W/ ANCHOR -'J5'



JAMB W/ STEEL - 'J6'



MULLION W/ STEEL - 'M3'



MULLION W/ STEEL - 'M4'

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

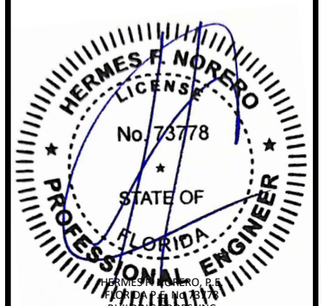
YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

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

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
9TH FBC CODE CHANGE	SH	6.29.26

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 LICENSE NO. 73778
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: 6 | REV. C

OF 21

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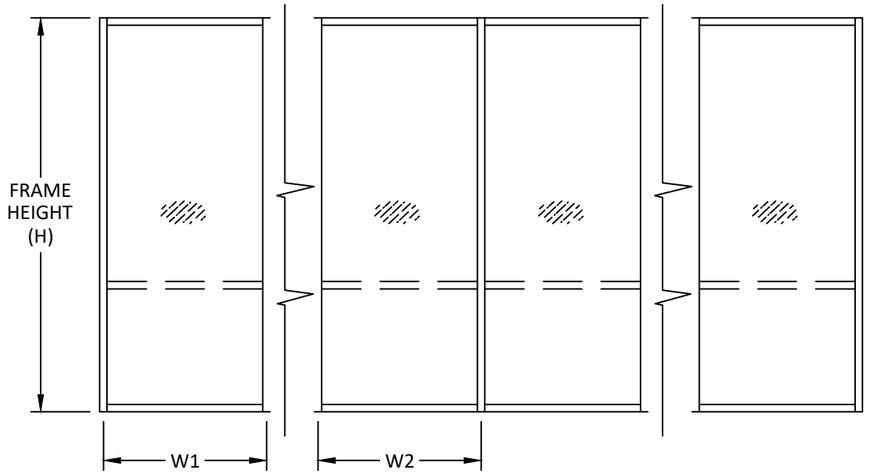
CORNER MULLION LOAD TABLE

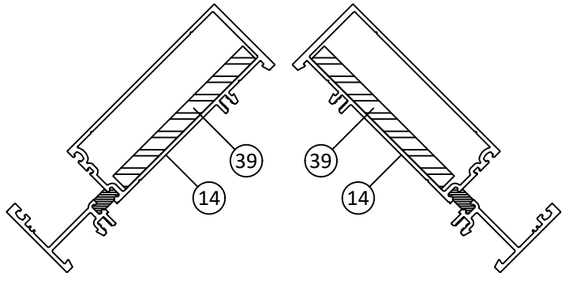
DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		90 DEGREE MULLION	135 DEGREE MULLION
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	66	100.0	100.0
36		100.0	100.0
42		100.0	100.0
48		100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
30	72	100.0	100.0
36		100.0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

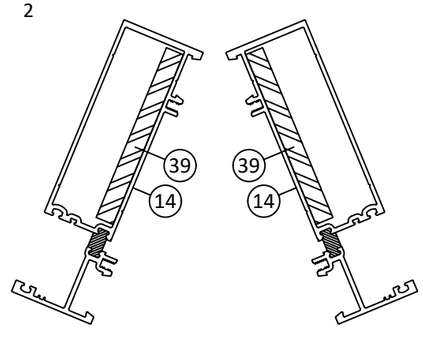
NOTE: SEE SHEET 17 FOR DETAILS OF CORNER MULLIONS



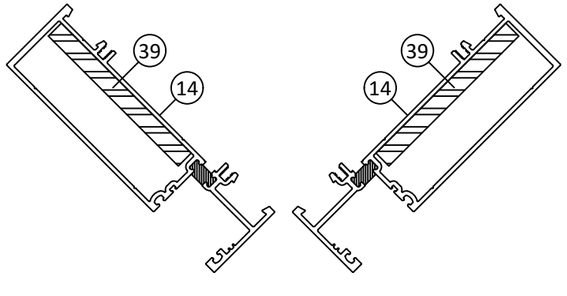
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



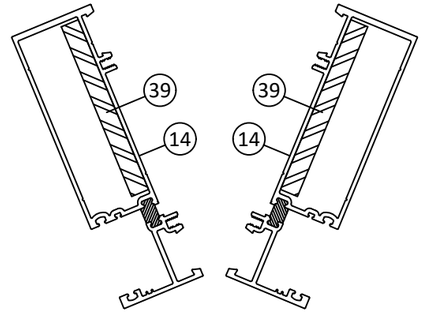
90 DEGREE OUTSIDE CORNER W/ STEEL



135 DEGREE OUTSIDE CORNER W/ STEEL



90 DEGREE INSIDE CORNER W/ STEEL



135 DEGREE INSIDE CORNER W/ STEEL

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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
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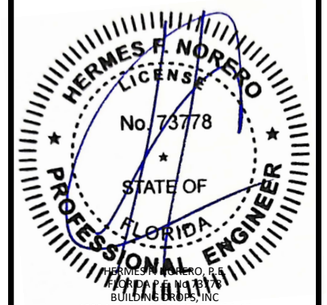

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 11.27.19

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK271

SHEET: 7 | REV. C

OF 21

7/24/2026 9:39 AM
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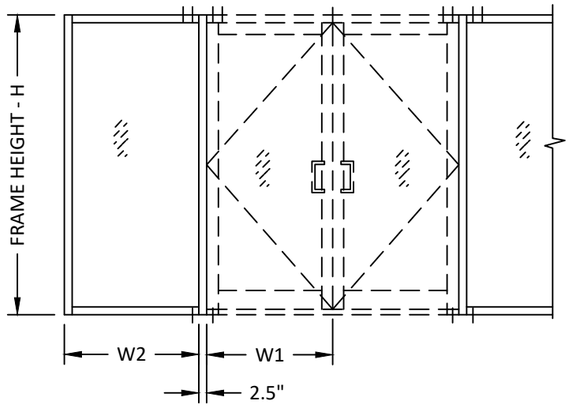
DOOR MULLION LOAD TABLE

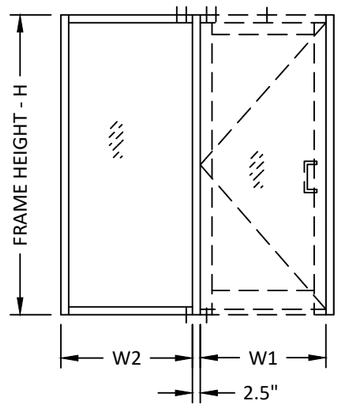
DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M3'
WIDTH (W)	FRAME HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	66	45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72		45.0	100.0
30	72	45.0	100.0
36		45.0	100.0
42		45.0	100.0
48		45.0	100.0
54		45.0	100.0
60		45.0	100.0
66		45.0	100.0
72		45.0	100.0
30	78	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		45.0	100.0
30	84	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		45.0	100.0
30	90	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		45.0	100.0
30	96	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		45.0	100.0
30	102	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		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		45.0	92.5
30	114	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		45.0	90.6
72		44.1	83.0
30	120	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		45.0	100.0
30	126	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
30	132	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
30	138	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
30	144	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

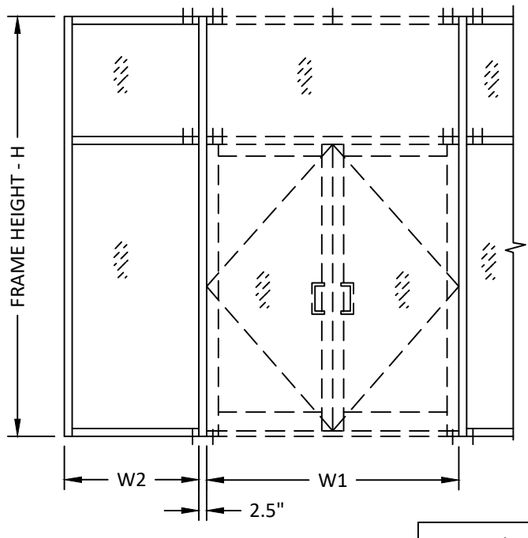
DOUBLE DOOR



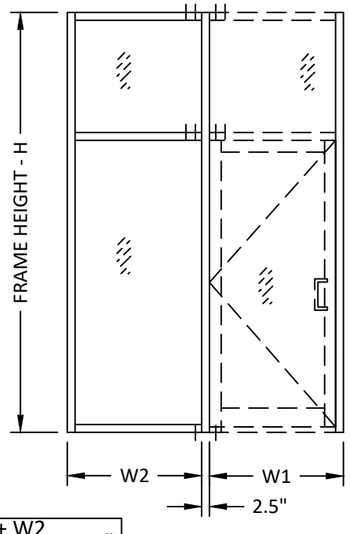
SINGLE DOOR



DOUBLE DOOR W/ TRANSOM

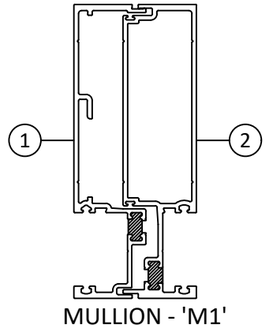


SINGLE DOOR W/ TRANSOM

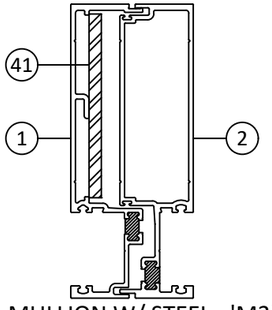


$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 2.5"$$

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



MULLION - 'M1'



MULLION W/ STEEL - 'M3'

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YW'W 60 TU WINDOW WALL SYSTEM (PRE-GLAZED) (HVHZ) (NON-IMPACT)
DOOR MULLION LOAD TABLE

PREPARED BY:
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1900 NE MIAMI COURT, SUITE 2-15
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REMARKS	BY	DATE
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1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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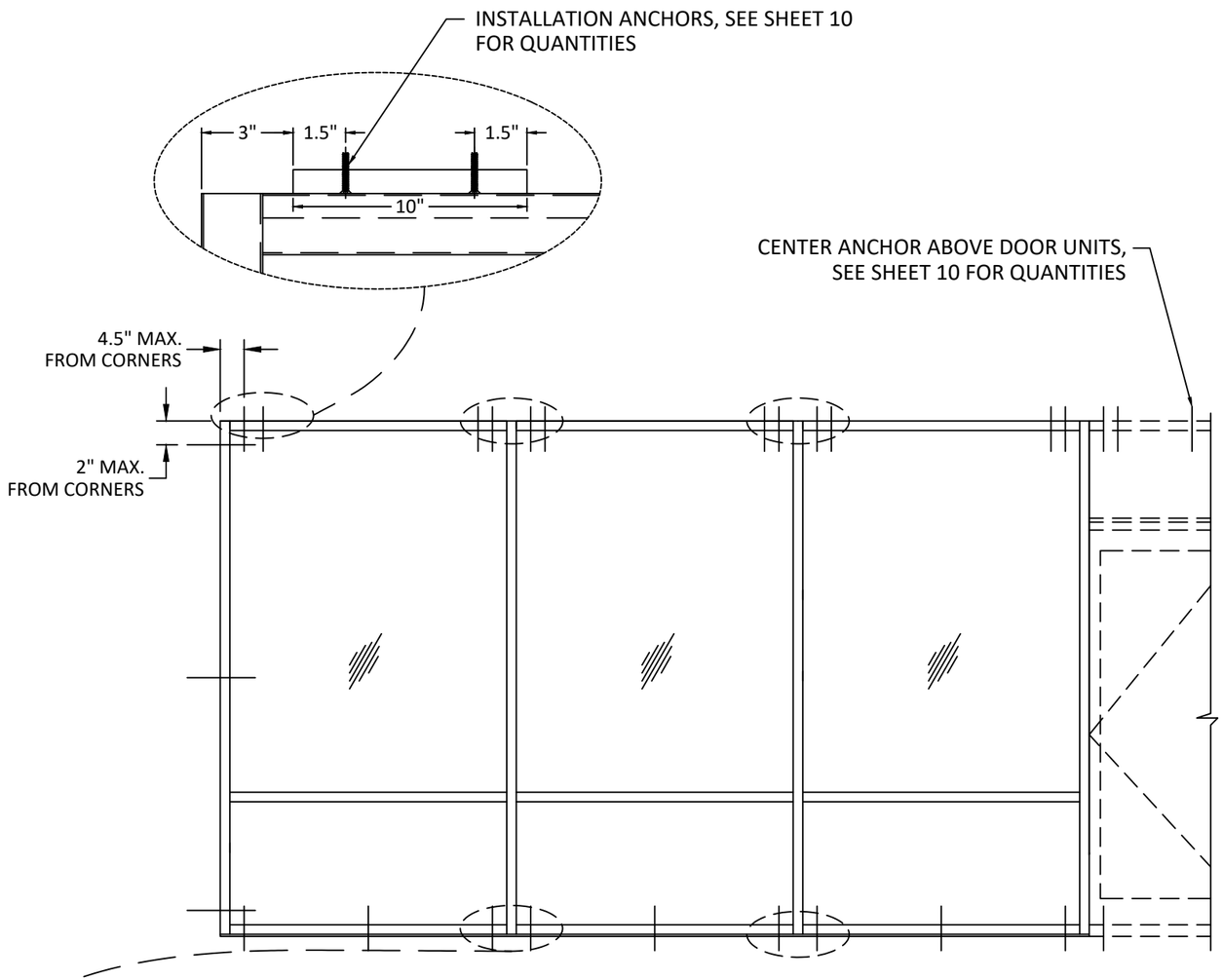
7/24/2026 9:39 AM



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

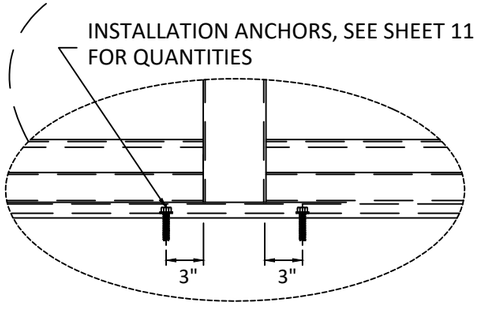
TYPE B

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)

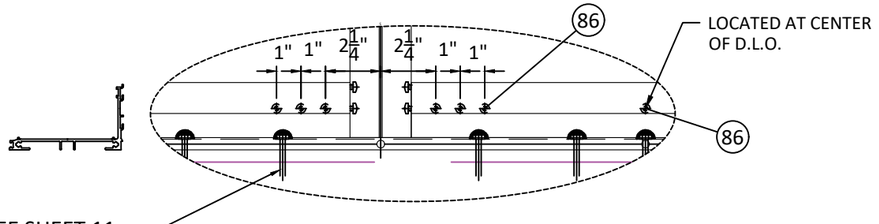
ANCHOR EDGE DISTANCE
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 3/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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



ANCHOR LAYOUT



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ANCHOR LAYOUT

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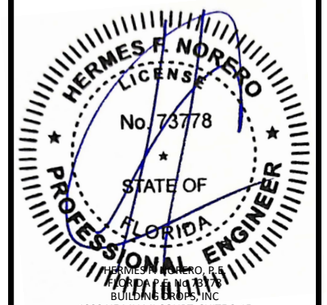

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HEAD ANCHOR TABLE

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
30	132	100.0	32.0	32.0	48.0	100.0	33.2	33.2	49.8
36		87.4	26.7	26.7	53.4	100.0	27.6	27.6	55.3
42		74.9	22.9	34.3	57.2	95.2	23.7	35.5	59.2
48		65.5	20.0	30.0	50.0	83.3	20.7	31.1	51.8
54		58.3	26.7	26.7	53.4	74.1	27.6	27.6	55.3
60		52.4	24.0	32.0	48.0	66.7	24.9	33.2	49.8
30	138	100.0	30.6	30.6	46.0	100.0	31.7	31.7	47.6
36		83.6	25.5	25.5	51.1	100.0	26.4	26.4	52.9
42		71.6	21.9	32.8	54.7	91.1	22.7	34.0	56.7
48		62.7	19.1	28.7	47.9	79.7	19.8	29.8	49.6
54		55.7	25.5	25.5	51.1	70.9	26.4	26.4	52.9
60		50.1	23.0	30.6	46.0	63.8	23.8	31.7	47.6
30	144	96.1	29.4	29.4	44.0	100.0	30.4	30.4	45.6
36		80.1	24.5	24.5	48.9	100.0	25.3	25.3	50.7
42		68.7	21.0	31.5	52.4	87.3	21.7	32.6	54.3
48		60.1	18.3	27.5	45.9	76.4	19.0	28.5	47.5
54		53.4	24.5	24.5	48.9	67.9	25.3	25.3	50.7
60		48.5	22.2	29.6	44.5	61.7	23.0	30.7	46.1

ANCHOR REQUIREMENTS:

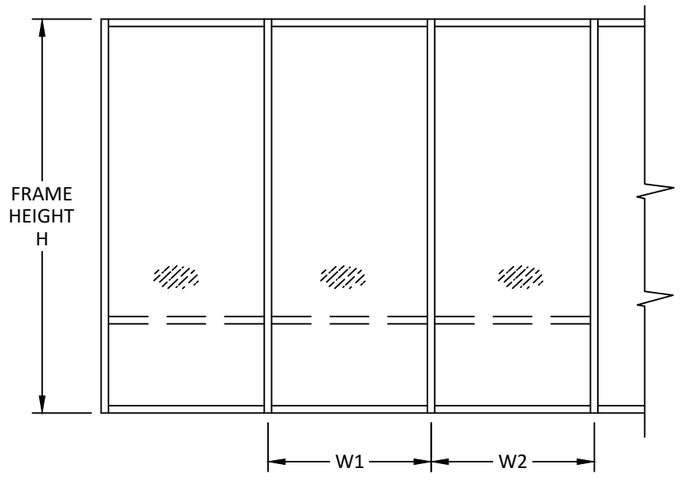
HEAD OPTION #1 (SEE DETAIL A12, D12, K13):
10" CHANNEL WITH 2 SCREWS IS LOCATED 3" AWAY FROM EACH SIDE MULLION EDGE, EACH SCREW IS 1.5" FROM THE EDGE OF CHANNEL.

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:
1. 2" FROM CORNER (TOP AND BOTTOM)
2. CENTER OF PANEL.

EACH LOCATION HAS TWO TYP. ANCHORS.



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

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
9TH FBC CODE CHANGE	SH	6.29.26

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
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: 10 | REV. C

OF 21

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7/24/2026 9:39 AM

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

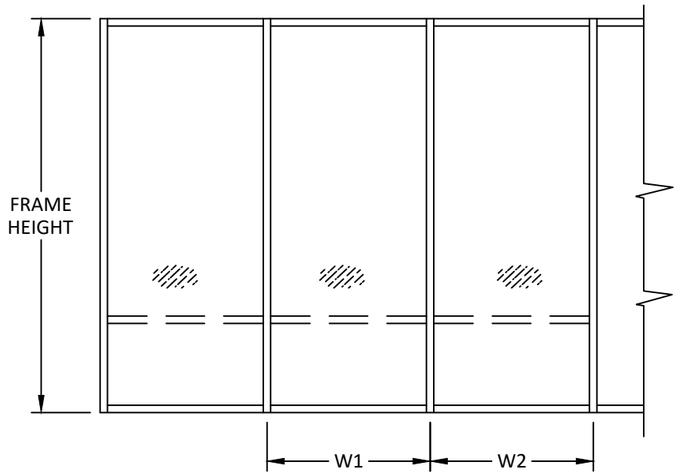
DESIGN LOAD CAPACITY - PSF									
FRAME DIMENSIONS		ANCHOR TYPE A				ANCHOR TYPE B			
WIDTH, 'W' (IN.)	FRAME HEIGHT, 'H' (IN.)	SILL				SILL			
		2	4	6	8	2	4	6	8
30	108	44.7	74.5	100.0	100.0	44.2	73.6	100.0	100.0
36		37.2	62.0	86.9	100.0	36.8	61.3	85.9	100.0
42		31.9	53.2	74.5	95.7	31.5	52.6	73.6	94.6
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
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
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
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

ANCHOR REQUIREMENTS:

SILL ANCHOR DISTRIBUTION:

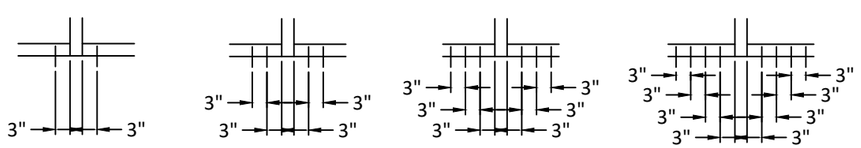
ANCHOR LOCATED 3 INCHES AWAY FROM EACH SIDE OF CORNER. ONE ANCHOR LOCATED IN THE CENTER OF PANEL.

SEE SILL CORNER DETAILS BELOW.



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

SILL DETAILS



YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

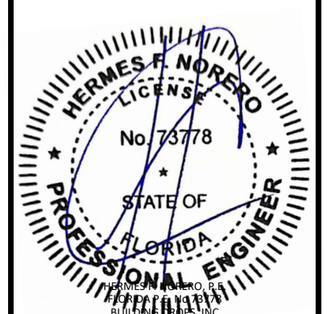
TITLE: YWW 60 TU WINDOW WALL SYSTEM (PRE-GLAZED) (HVHZ) (NON-IMPACT)

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
9TH FBC CODE CHANGE	SH	6.29.26

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.
ARCHITECT OF RECORD
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: 11 | REV. C

OF 21

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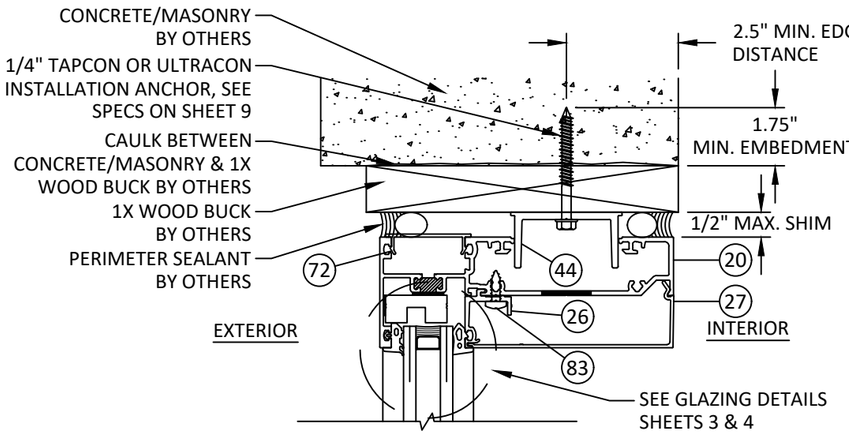
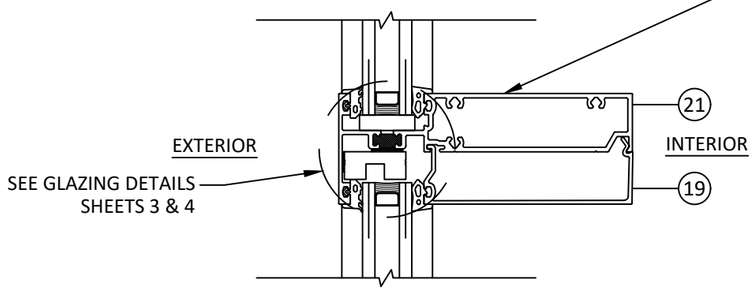


A/12 VERTICAL SECTION

HEAD - CONCRETE/MASONRY W/ 1X BUCK
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

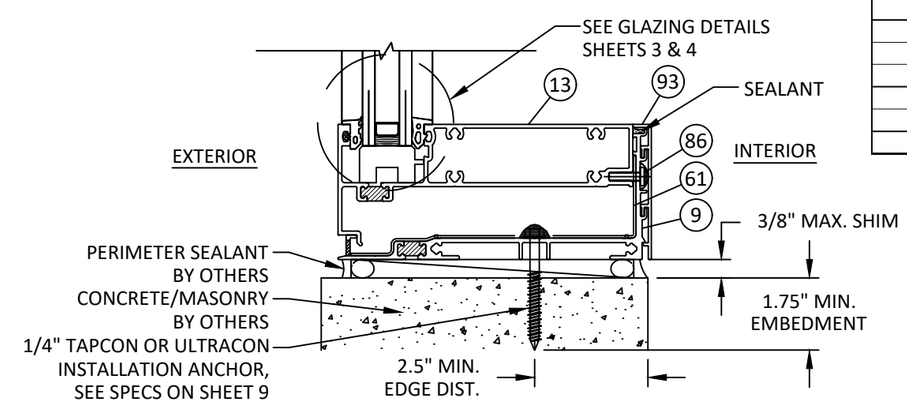


B/12 VERTICAL SECTION

HORIZONTAL MEMBER
INSIDE GLAZED

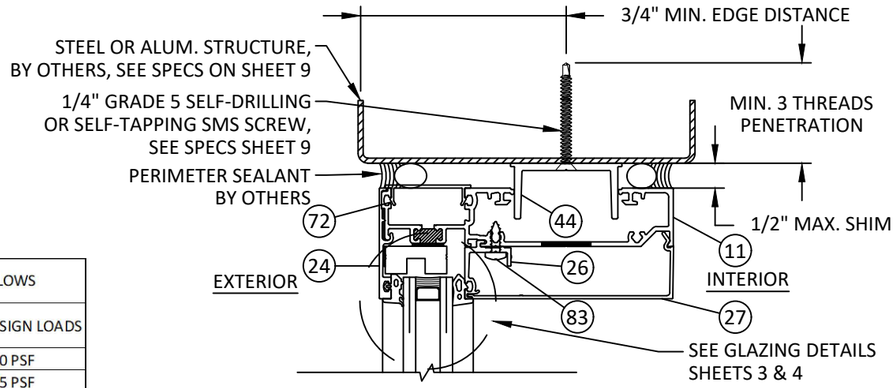
LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
52-1/8"	114-3/4"	90 PSF
54-1/4"	114-3/4"	75 PSF
56-3/4"	114-3/4"	60 PSF
60"	114-3/4"	45 PSF
54"	120-3/4"	73 PSF
60"	120-3/4"	42 PSF
66"	120-3/4"	22 PSF
54"	126-3/4"	70 PSF
60"	126-3/4"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

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



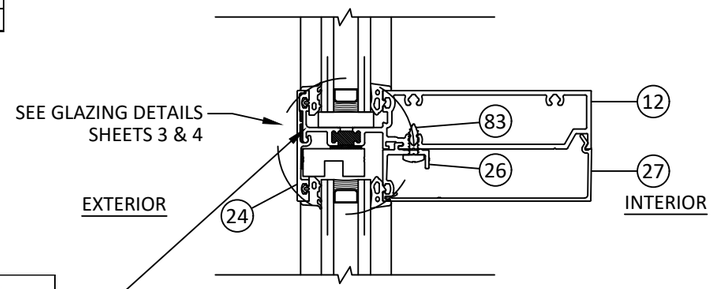
C/12 VERTICAL SECTION

SILL - DIRECT TO CONCRETE/MASONRY
INSIDE GLAZED



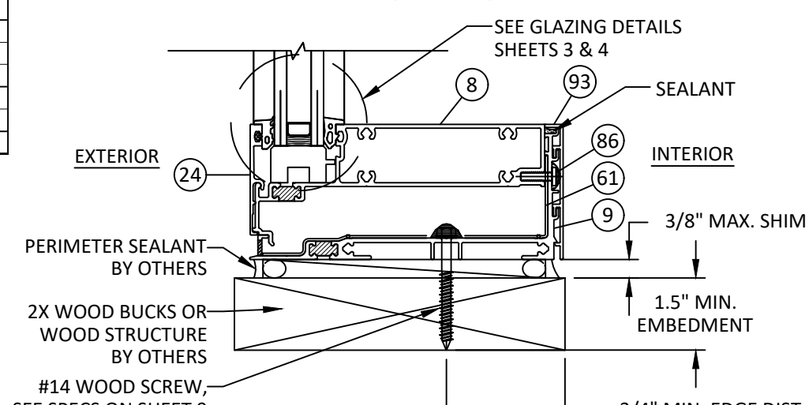
D/12 VERTICAL SECTION

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)

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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
9TH FBC CODE CHANGE	SH	6.29.26

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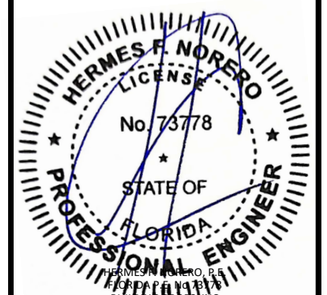

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 11.27.19

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK271

SHEET: 12 | REV. C

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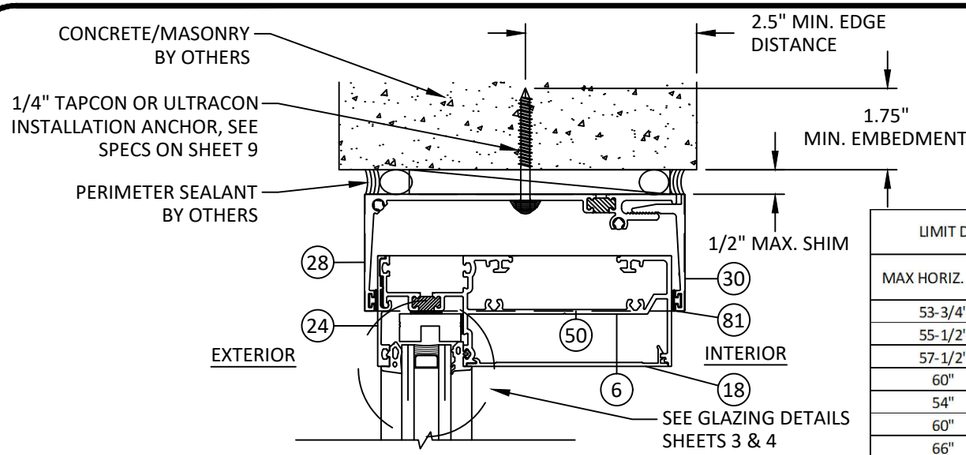
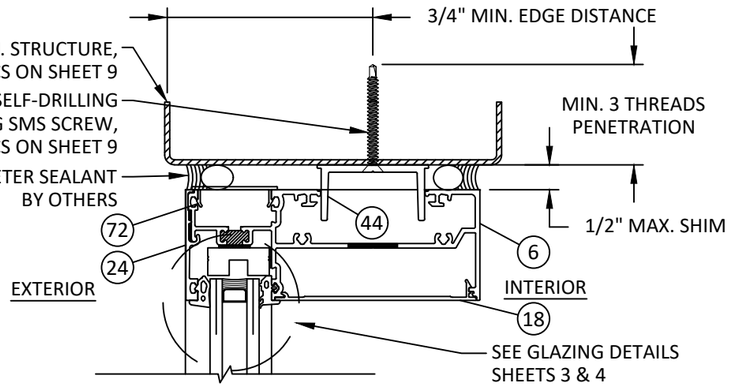


G/13 VERTICAL SECTION

HEAD - OPTIONAL HEAD RECEPTOR
OUTSIDE GLAZED

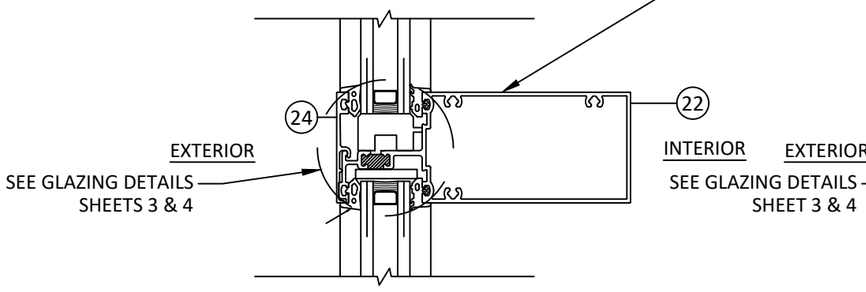
LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS		
MAX HORIZ. SPAN	MAX GLASS D.L.O. HEIGHT ABOVE HORIZ.	MAX DESIGN LOADS
53-3/4"	114-3/4"	90 PSF
55-1/2"	114-3/4"	75 PSF
57-1/2"	114-3/4"	60 PSF
60"	114-3/4"	45 PSF
54"	120-3/4"	82 PSF
60"	120-3/4"	39 PSF
66"	120-3/4"	12 PSF
54"	126-3/4"	77 PSF
60"	126-3/4"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

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



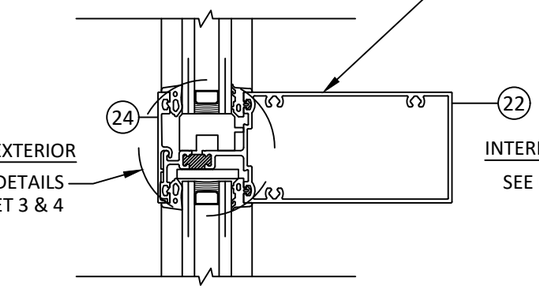
K/13 VERTICAL SECTION

HEAD
STRUCTURAL SILICONE GLAZED



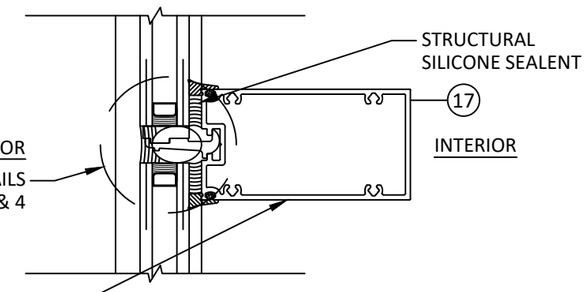
H/13 VERTICAL SECTION

HORIZONTAL MEMBER
OUTSIDE GLAZED



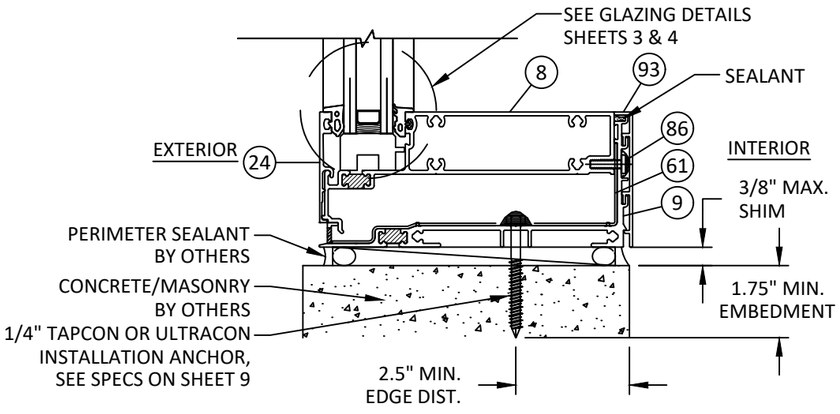
J/13 VERTICAL SECTION

HORIZONTAL MEMBER
SSG APPLICATION



L/13 VERTICAL SECTION

HORIZONTAL MEMBER
STRUCTURAL SILICONE GLAZED

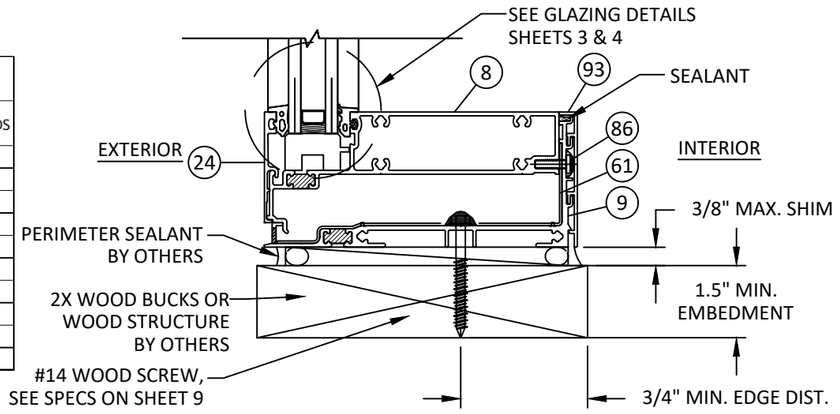


I/13 VERTICAL SECTION

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



M/13 VERTICAL SECTION

SILL
STRUCTURAL SILICONE GLAZED

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YW/W 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
9TH FBC CODE CHANGE	SH	6.29.26

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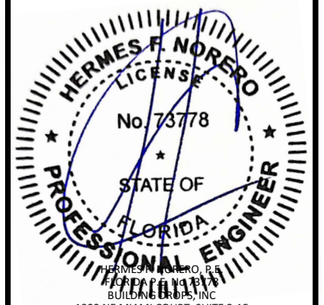

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 11.27.19

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK271

SHEET: 13 | REV. C

OF 21

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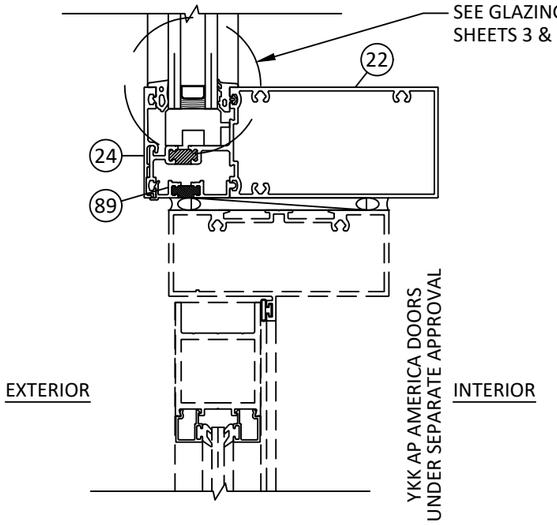
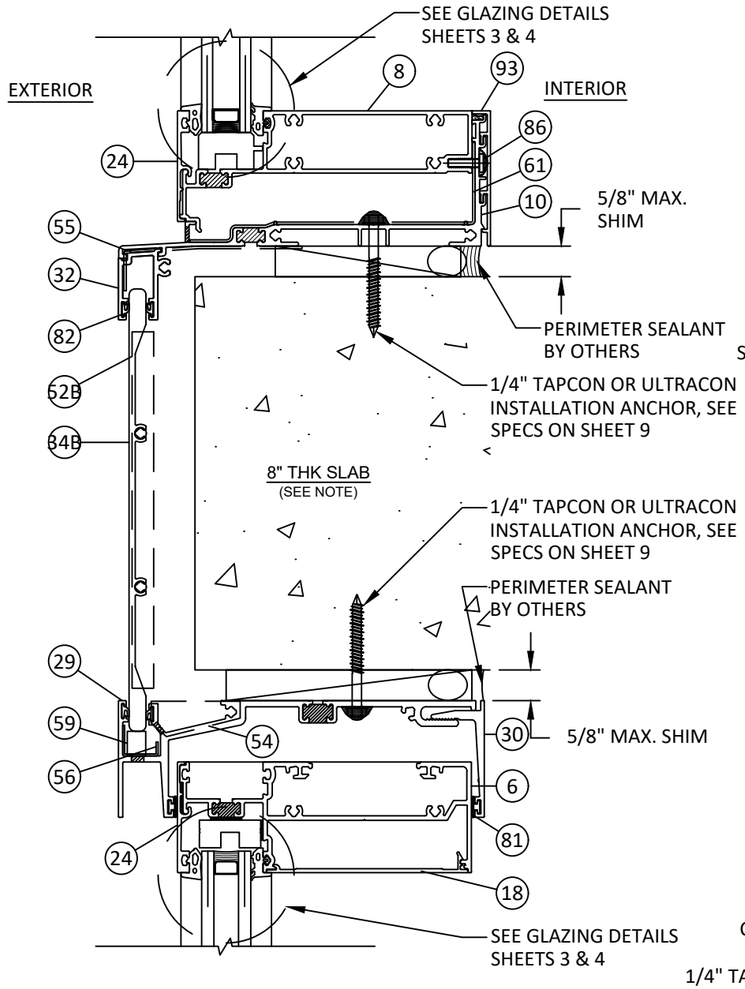
7/24/2026 9:39 AM



N/14 VERTICAL SECTION

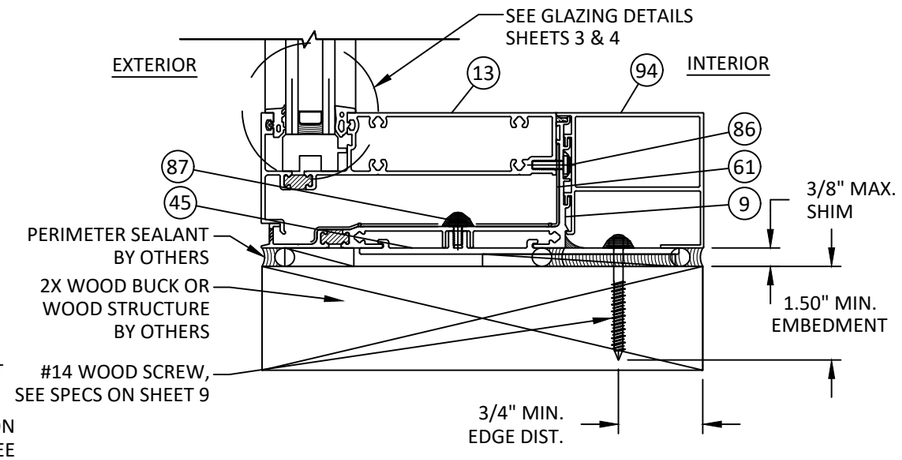
DOOR HEAD W/ TRANSOM
OUTSIDE GLAZED



NOTE: 8" SLAB EDGE COVER SHOWN. 34A - 34F CAN BE USED INTERCHANGEABLY BASED ON SLAB.

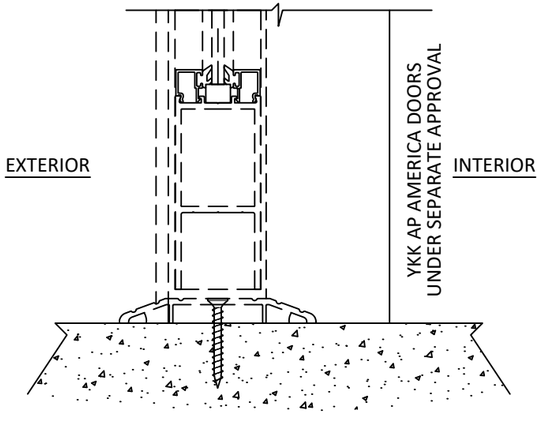
P/14 VERTICAL SECTION

SLAB EDGE



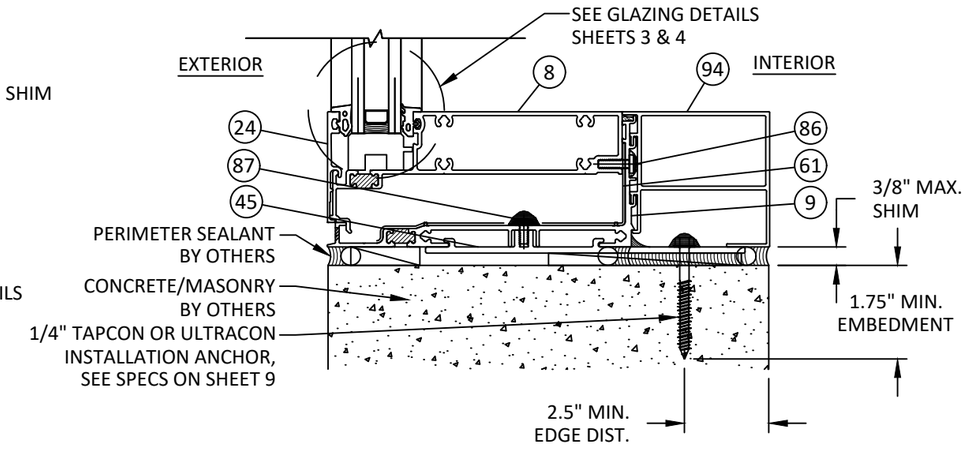
AH/14 VERTICAL SECTION

SILL - STRAP INSTALLATION
INSIDE GLAZED



O/14 VERTICAL SECTION

DOOR SILL



AI/14 VERTICAL SECTION

SILL - STRAP INSTALLATION
OUTSIDE GLAZED

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

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

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
9TH FBC CODE CHANGE	SH	6.29.26

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
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: 14 | REV. C

OF 21

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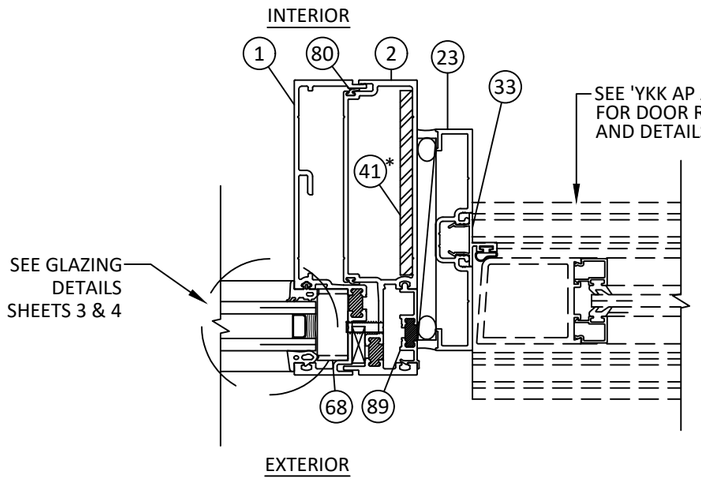
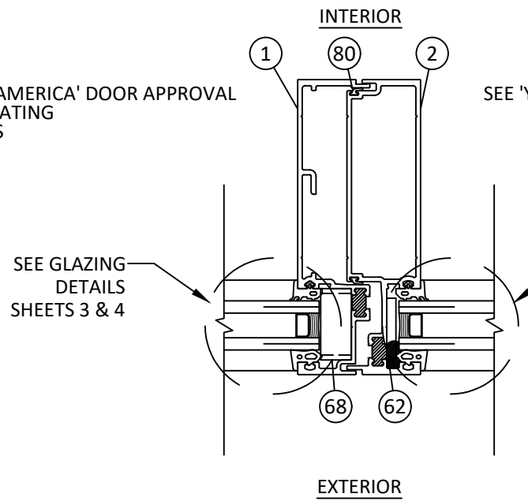
NOTE: COMPONENTS WITH * ARE OPTIONAL.



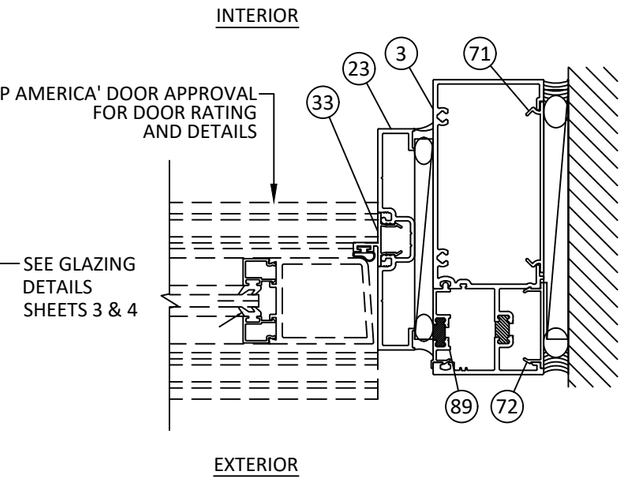
Q 15 HORIZONTAL SECTION

DOOR SIDELITE



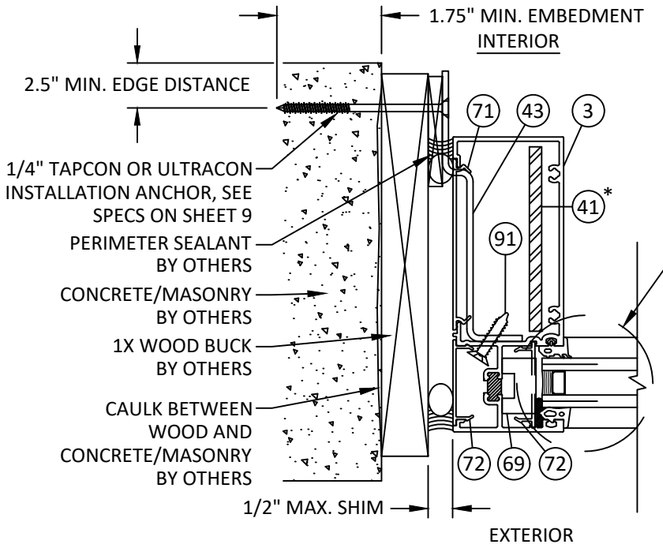
R 15 HORIZONTAL SECTION

DOOR TRANSOM



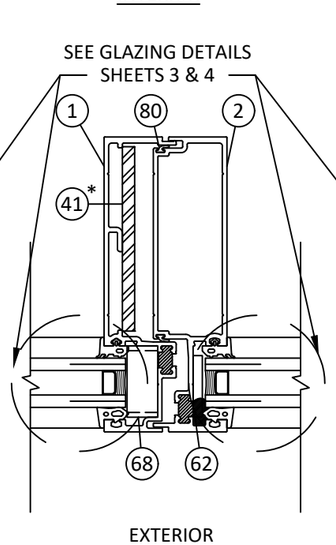
S 15 HORIZONTAL SECTION

DOOR JAMB



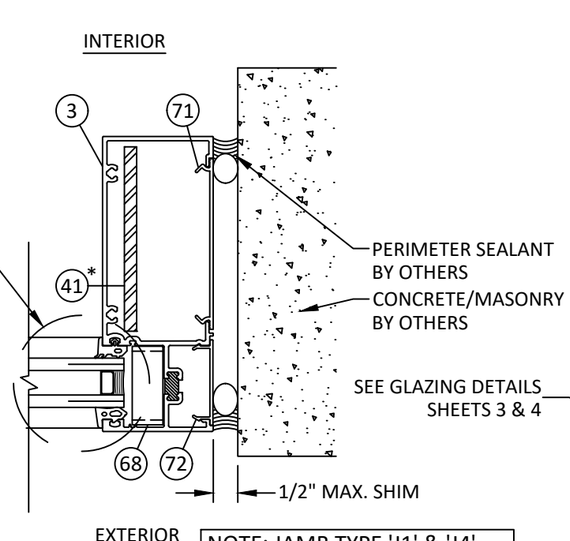
T 15 HORIZONTAL SECTION

JAMB - CONCRETE/MASONRY W/ 1X BUCK
OUTSIDE GLAZED



U 15 HORIZONTAL SECTION

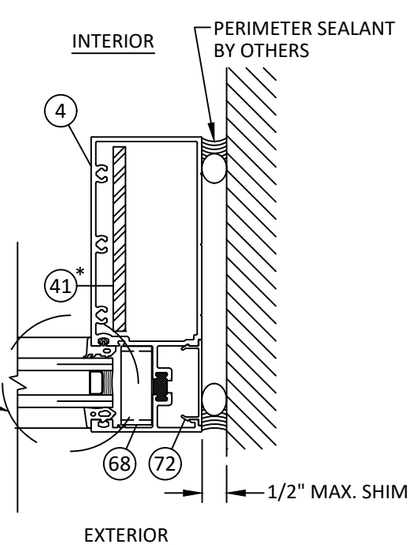
VERTICAL MULLION
OUTSIDE GLAZED



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

V 15 HORIZONTAL SECTION

JAMB - CONCRETE/MASONRY
OUTSIDE GLAZED



V1 15 HORIZONTAL SECTION

TUBULAR JAMB
OUTSIDE GLAZED

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YW/W 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
9TH FBC CODE CHANGE	SH	6.29.26

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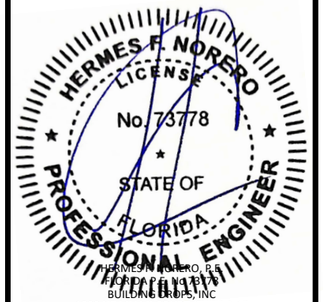

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 11.27.19

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK271

SHEET: 15 | REV. C

OF 21

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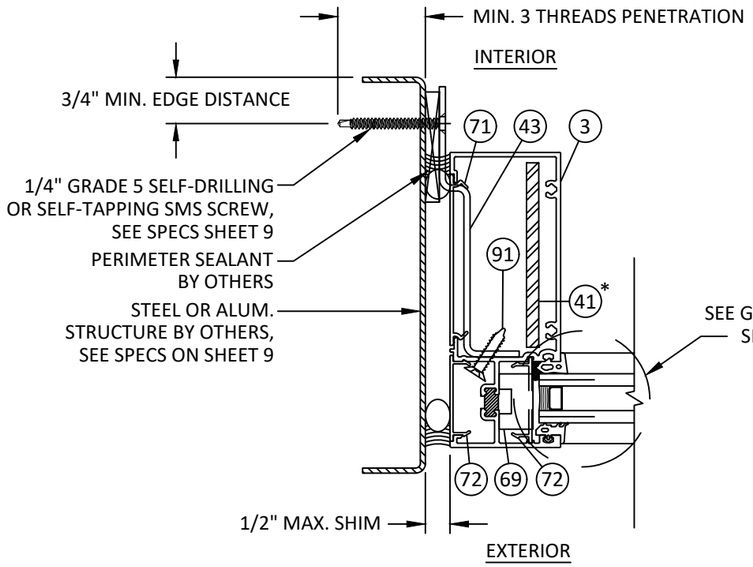
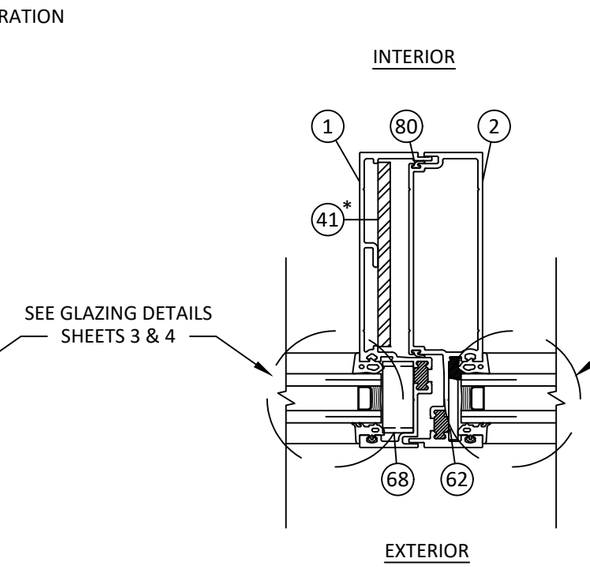
7/24/2026 9:39 AM



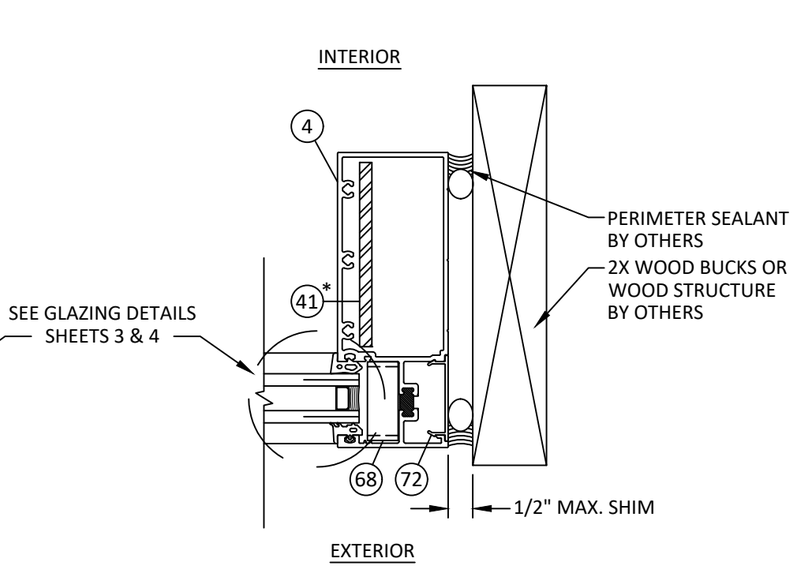
W 16 HORIZONTAL SECTION

JAMB - METAL SUBSTRATE
INSIDE GLAZED



X 16 HORIZONTAL SECTION

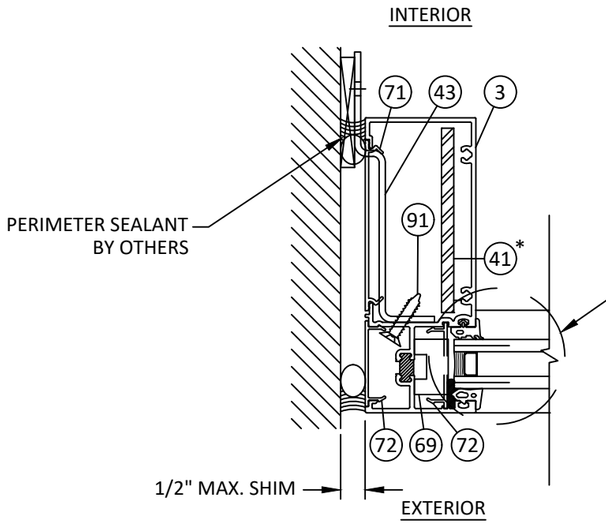
VERTICAL MULLION
INSIDE GLAZED



Y 16 HORIZONTAL SECTION

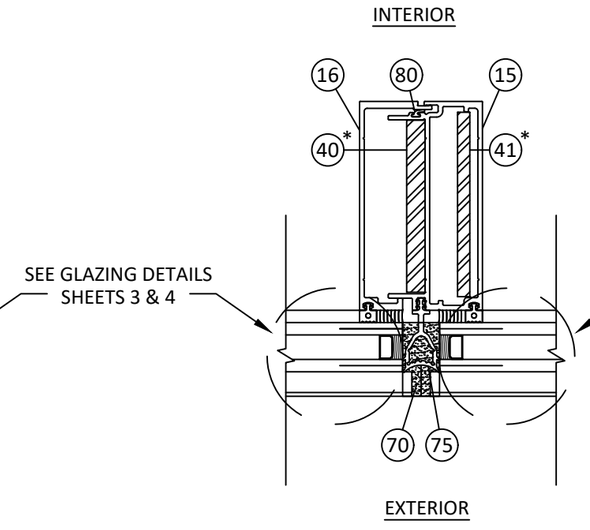
TUBULAR JAMB - WOOD FRAMING
INSIDE GLAZED

NOTE: COMPONENTS WITH * ARE OPTIONAL.



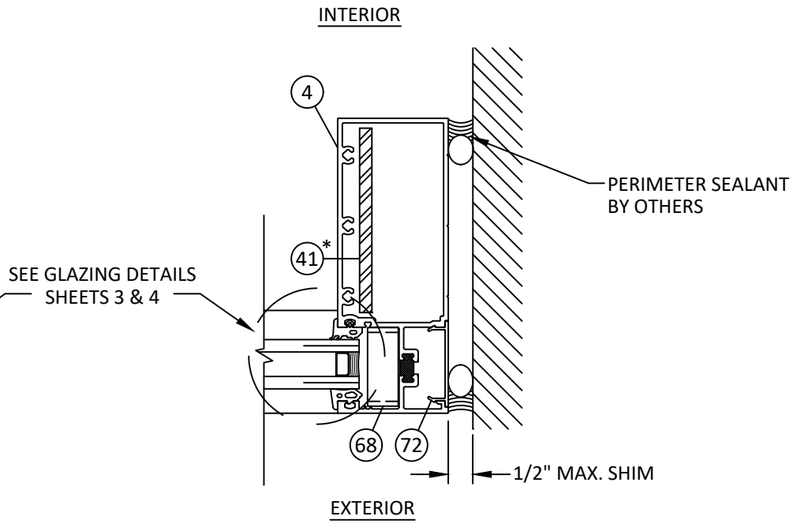
Z 16 HORIZONTAL SECTION

JAMB
STRUCTURAL SILICONE GLAZED



AA 16 HORIZONTAL SECTION

VERTICAL MULLION
STRUCTURAL SILICONE GLAZED



AB 16 HORIZONTAL SECTION

TUBULAR JAMB
STRUCTURAL SILICONE GLAZED

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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
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
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: 16 | REV. C

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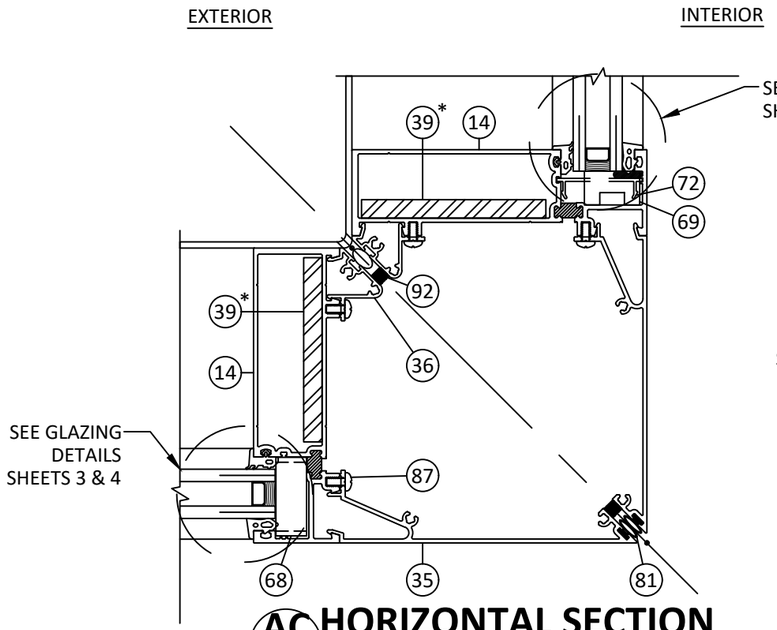
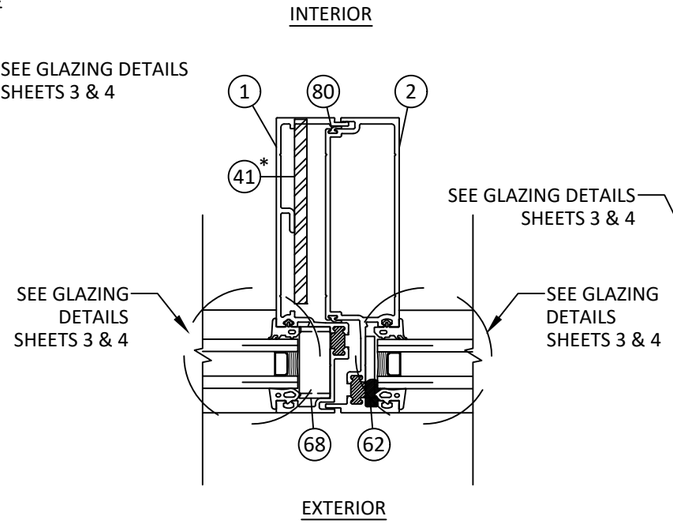


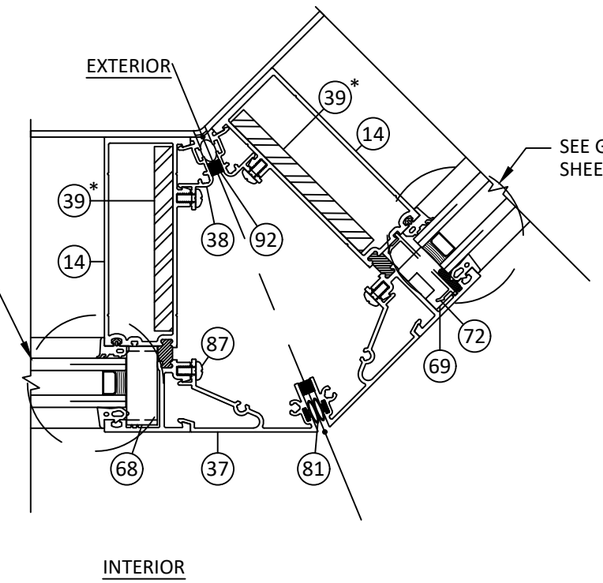
AC 17 HORIZONTAL SECTION

90 DEGREE OUTSIDE CORNER MULLION



AD 17 HORIZONTAL SECTION

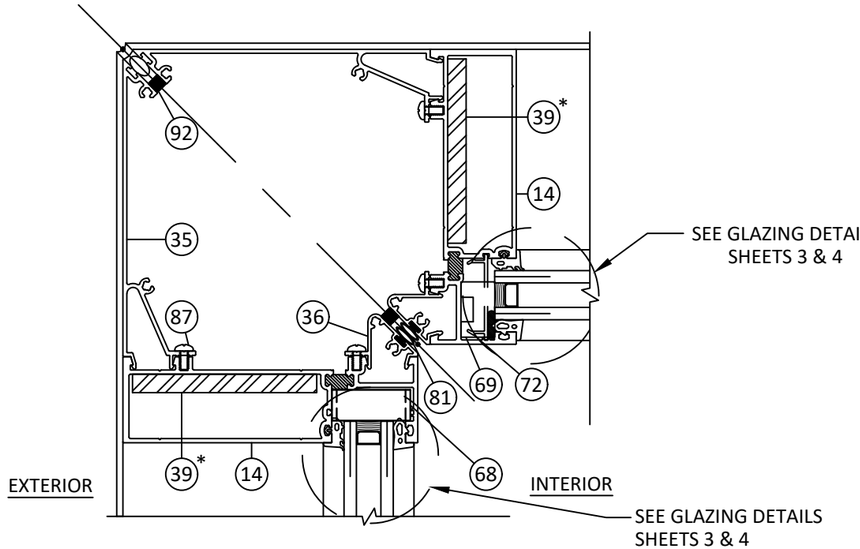
VERTICAL MULLION
STRUCTURAL SILICONE APPLICATION



AE 17 HORIZONTAL SECTION

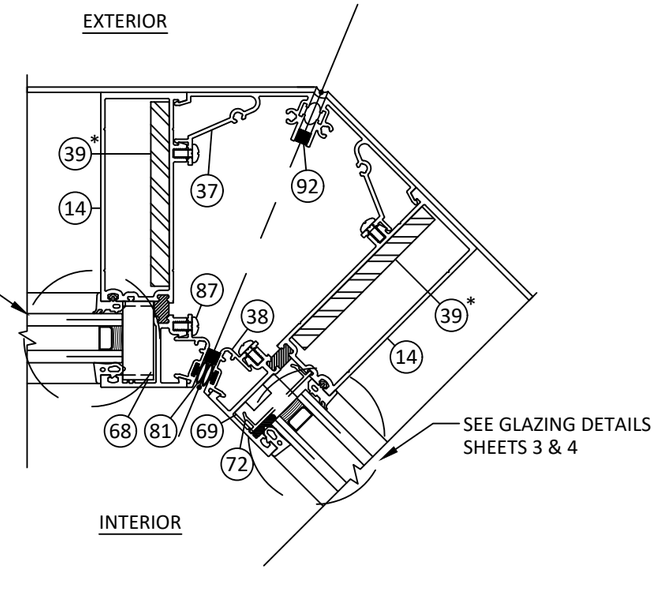
135 DEGREE OUTSIDE CORNER MULLION

NOTE: COMPONENTS WITH * ARE OPTIONAL.



AF 17 HORIZONTAL SECTION

90 DEGREE INSIDE CORNER MULLION



AG 17 HORIZONTAL SECTION

135 DEGREE INSIDE CORNER MULLION

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

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

HORIZONTAL SECTIONS (SSG & CORNER)

PREPARED BY:
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1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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REMARKS	BY	DATE
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FLORIDA P.E. No. 73778
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: 17 | REV. C

OF 21

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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-SS	#10-24 X 5/8" PHMS	18-8 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

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YW 60 TU WINDOW WALL SYSTEM (PRE-GLAZED) (HVHZ) (NON-IMPACT)
BILL OF MATERIALS

PREPARED BY:
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1900 NE MIAMI COURT, SUITE 2-15
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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
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

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DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK271

SHEET: 18 | REV. C

OF 21

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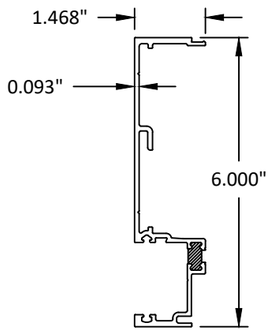
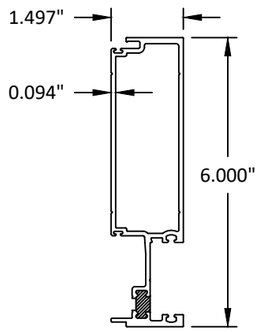
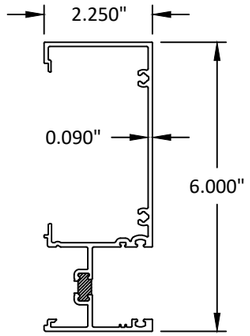


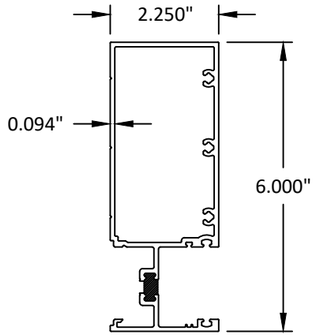
1 FEMALE MULLION



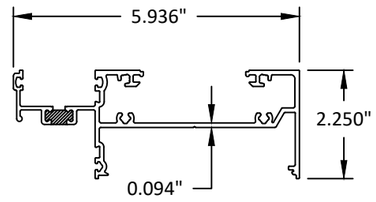
2 MALE MULLION



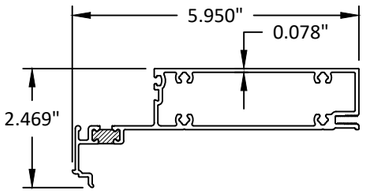
3 JAMB



4 TUBULAR JAMB



6 HEAD (OG)



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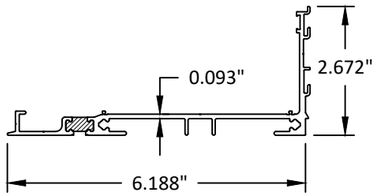
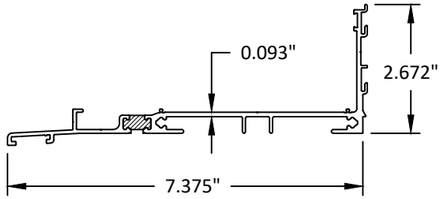
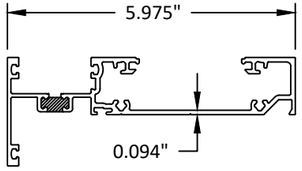


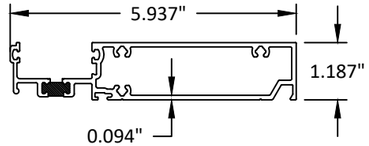
9 SILL FLASHING



10 SILL FLASHING FOR SLAB EDGE



11 HEAD (IG)



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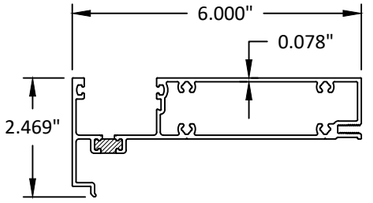

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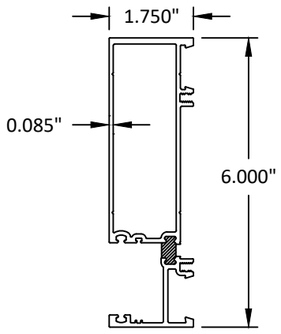
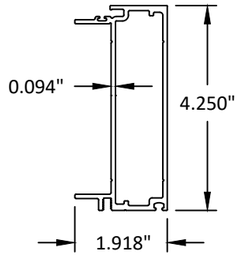
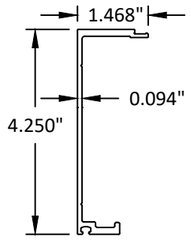


14 CORNER MULLION HALF



15 SSG MALE MULLION



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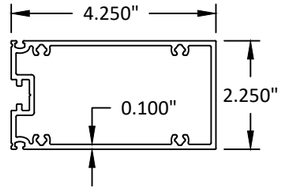

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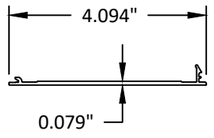
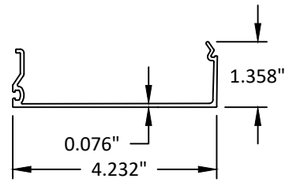
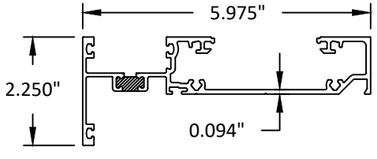


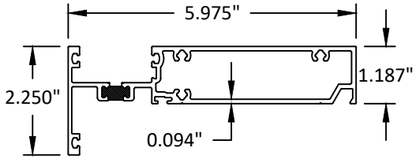
18 HEAD/SILL FLAT FILLER



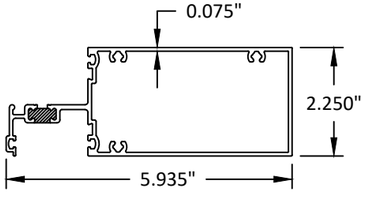
19 GLASS STOP



20 HEAD (IG) S.B.



21 HORIZONTAL (IG) S.B.



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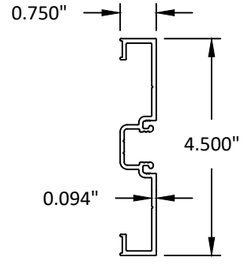

23 DOOR JAMB ADPATER SUBFRAME

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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

REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	6.1.23
SILL UPDATES	SH	8.6.24
9TH FBC CODE CHANGE	SH	6.29.26

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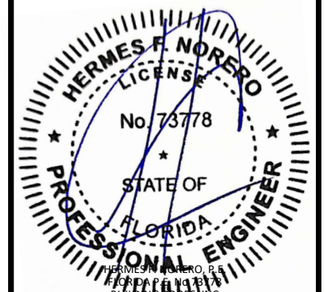

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 11.27.19

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK271

SHEET: 19 | REV. C

OF 21

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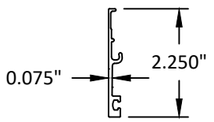
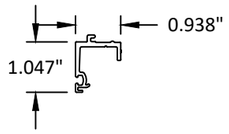
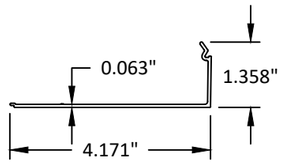


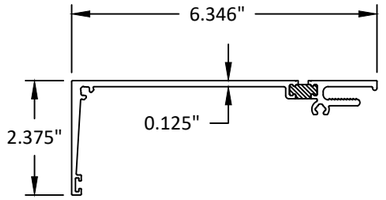
24 EXTERIOR GLASS STOP



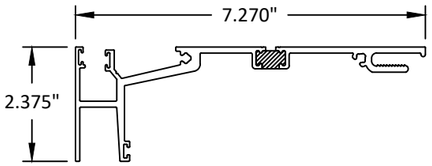
26 IG GLASS STOP



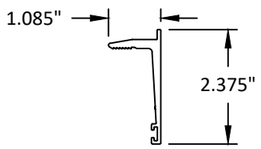
27 INTERIOR TRIM COVER



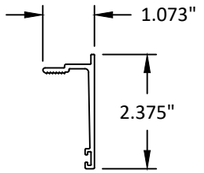
28 THERMAL HEAD RECEPTOR



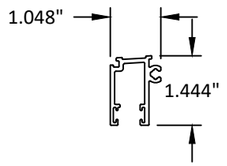
29 SLAB EDGE RECEPTOR



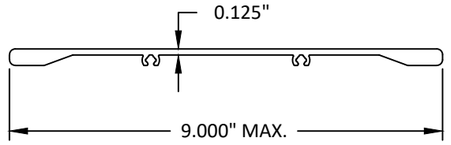
30 HEAVY DUTY RECEPTOR SNAP COVER



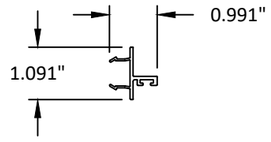
31 RECEPTOR SNAP COVER



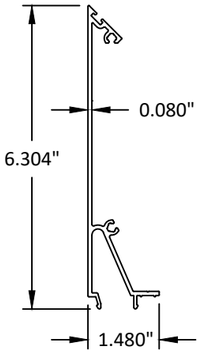
32 ALUMINUM PLATE ADAPTOR



34 SLAB EDGE COVER

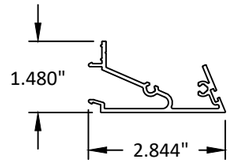


33 SNAP-IN DOOR STOP

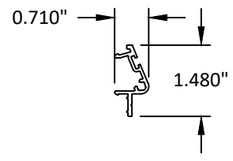


35 90 DEGREE CORNER COVER (LARGE)

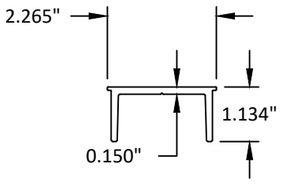
36 90 DEGREE CORNER COVER (SMALL)



37 135 DEGREE CORNER COVER (LARGE)

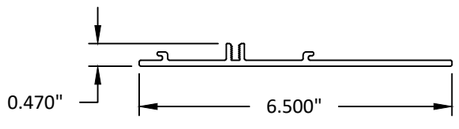


38 135 DEGREE CORNER COVER (SMALL)

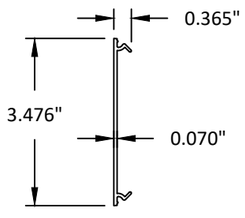


44 ANCHOR (10" CUT)

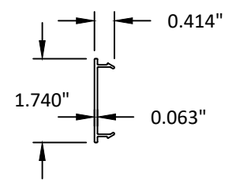
25 ANCHOR (STOCK LENGTH)



45 SILL STRAP ANCHOR



71 FLAT FILLER



72 PVC PERIMETER FILLER

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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
9TH FBC CODE CHANGE	SH	6.29.26

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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
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: 20 | REV. C

OF 21

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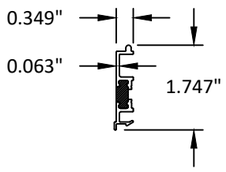
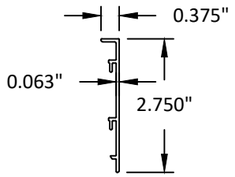
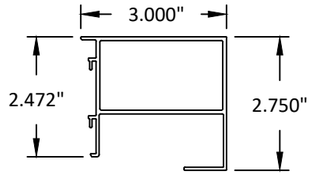


89 FLAT FILLER



93 SILL FLASHING INTERIOR COVER



94 ALT. SILL FLASHING INTERIOR COVER

YKK AP AMERICA
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

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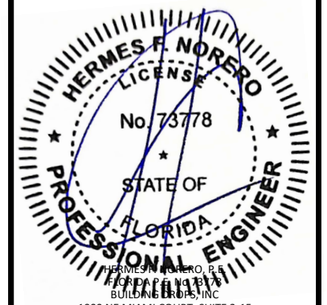

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FLORIDA P.E. No. 73778
BUILDING DROPS, INC
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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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SCALE: NTS

DWG. #: YKK271

SHEET: 21 | REV. C

OF 21

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