YKK AP America Inc.

YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL SYSTEM (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

1. SEE SHEET 3 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENTS, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
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 33 KSI. MINIMUM 18 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), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - AAMA 501-25
   - ASTM E283-19
   - ASTM E330-14
   - ASTM E331-00(23)
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 SHEET 4 FOR GLAZING DETAILS. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300.
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.

NOTE: TYPICAL YWW 45 TU PROFILES SHOWN THROUGHOUT. YWW 45 FI PROFILES WITHOUT THERMAL BREAK ARE QUALIFIED FOR THE SAME PERFORMANCE RATINGS AND OPTIONS SHOWN HEREIN.

TABLE OF CONTENTS

SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS
3	ANCHOR LAYOUTS & ANCHOR SCHEDULE
4	GLAZING DETAILS & DESIGN PRESSURE TABLE
5	MULLION DESIGN PRESSURE TABLES
6	ANCHOR LAYOUTS
7	ANCHOR LAYOUTS
8	VERTICAL SECTIONS
9	VERTICAL SECTIONS (CONT'D)
10	HORIZONTAL SECTIONS
11	COMPONENTS
12	BILL OF MATERIALS & COMPONENTS (CONT'D)

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 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
3. CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHART ON SHEET 5, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
4. USING CHARTS ON SHEETS 6 AND 7 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 Inc.
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TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT)
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 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	5.22.23
9TH FBC CODE CHANGE	SH	6.29.26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.07.31 15:45:42 -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, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 07.26.17

DWG. BY: AR | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK210

SHEET: 1 | REV. B

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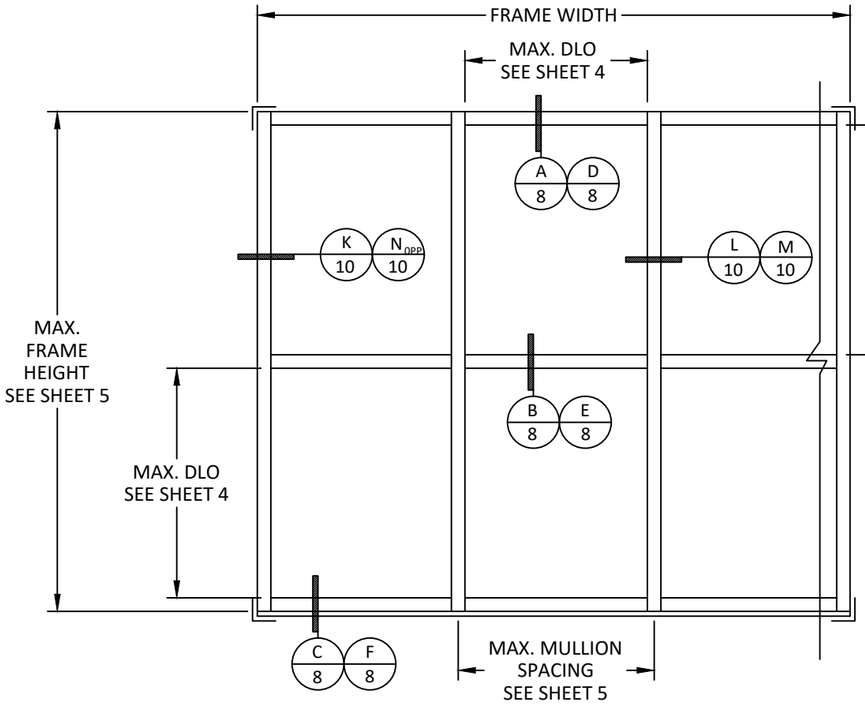
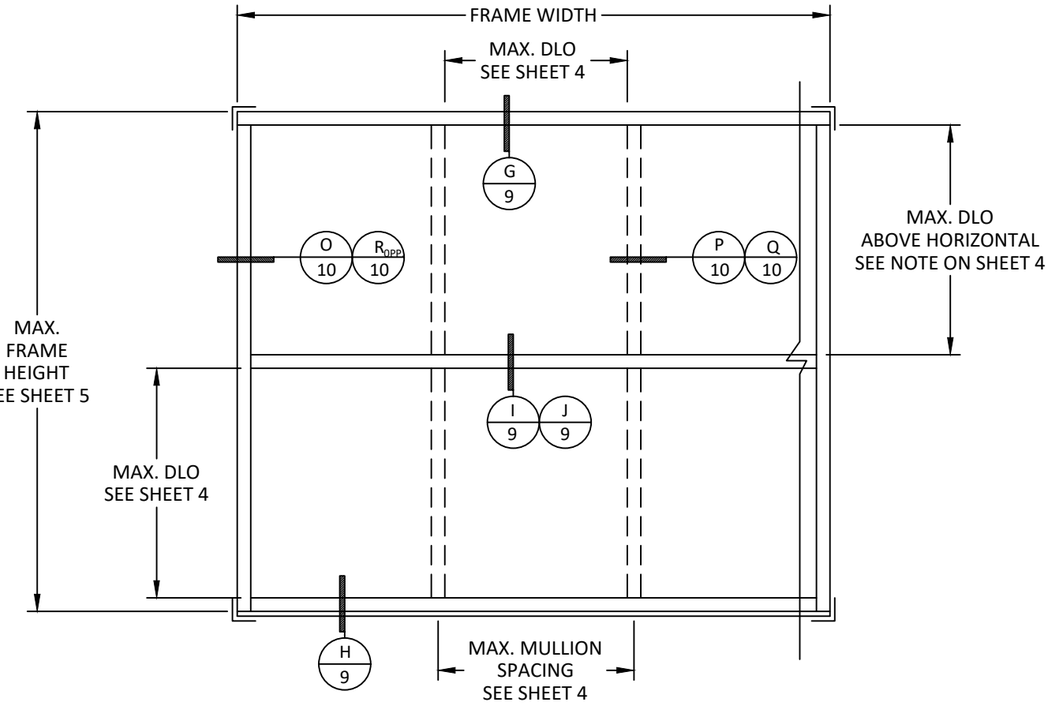


ELEVATION
VERTICAL THRU



ELEVATION
CONTINUOUS HEAD AND SILL

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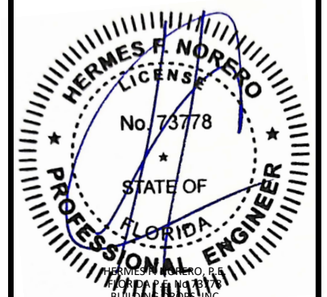

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SHEET: 2 | REV. B

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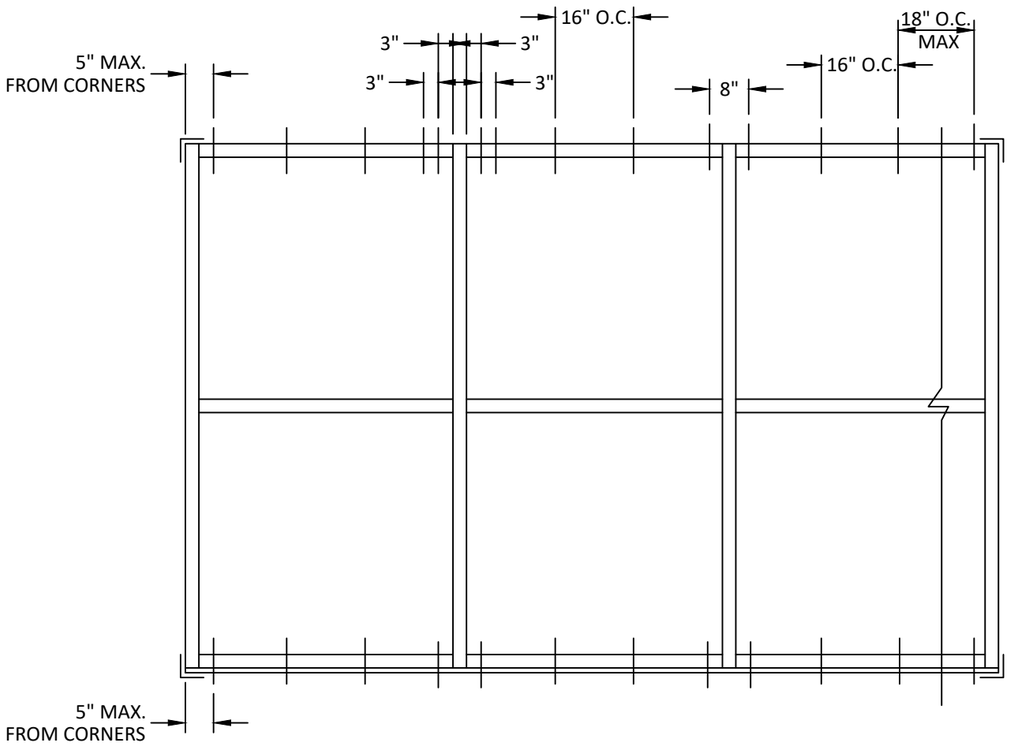
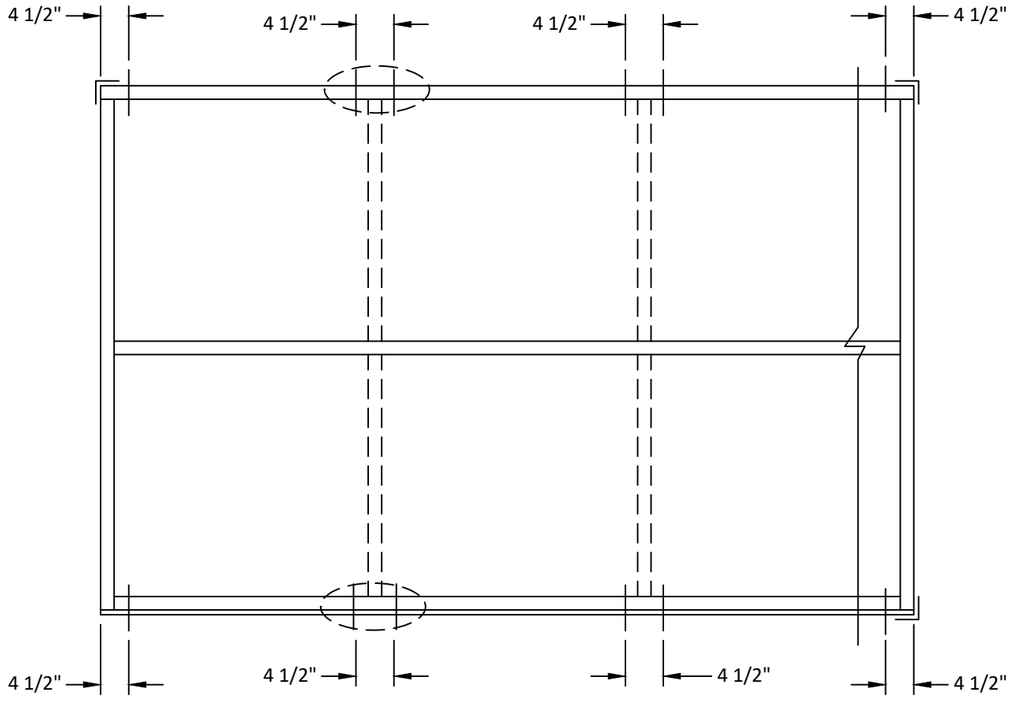
YWW 45 TU VERTICAL THRU ANCHOR TYPES				
ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	NOTES
1/4" Ø TAPCON BY ITW (F_u=125 KSI, F_y=100 KSI) OR 1/4" Ø ULTRACON+ BY DEWALT (F_u=177 KSI, F_y=155 KSI)	CONCRETE AT HEAD OR SILL F'_C=3000 PSI MIN.	1-3/4"	2-1/4"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
#12 WOOD SCREWS	MIN. S.G.=0.55 WOOD	1-1/2"	3/4"	--
1/4" Ø SELF-DRILLING OR SELF-TAPPING SCREWS (GRADE 5)	STEEL: 18 GA. MIN., F_y=33 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"	STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED
	18 GA. MIN. STEEL STUD, F_y=33 KSI MIN. WITH 2X WOOD BACKING	1-1/2" IN WOOD	1" IN WOOD	

YWW 45 TU CONTINUOUS HEAD AND SILL ANCHOR TYPES				
ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	NOTES
3/8" Ø LDT BY ITW (F_u=125 KSI, F_y=100 KSI)	CONCRETE AT HEAD OR SILL F'_C=3000 PSI MIN.	2"	2-1/2"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
3/8" LAG SCREW	MIN. S.G.=0.55 WOOD	3"	1"	--
3/8" Ø SELF-DRILLING OR SELF-TAPPING SCREWS (GRADE 5)	STEEL: 18 GA. MIN., F_y=33 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"	STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED
	18 GA. MIN. STEEL STUD, F_y=33 KSI MIN. WITH 2X WOOD BACKING	1-1/2" IN WOOD	1" IN WOOD	



TYPICAL ANCHOR LAYOUT

VERTICAL THRU
THROUGH FRAME ANCHORS



TYPICAL ANCHOR LAYOUT

CONTINUOUS HEAD AND SILL
HEAD & SILL ANCHORS

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TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT) ANCHOR LAYOUTS & ANCHOR SCHEDULE

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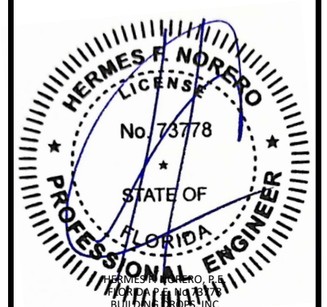

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SCALE: NTS

DWG. #: YKK210

SHEET: 3 | REV. B

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GLAZING DETAILS

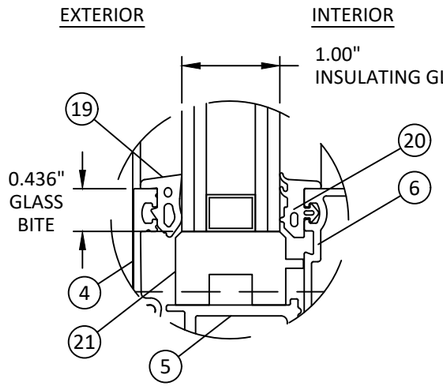
NON-IMPACT GLAZING

INSULATED GLASS LOAD CAPACITY (PSF)		
NOMINAL PANEL SIZE (in)		NON-IMPACT INSUL. GLASS
PANEL WIDTH	PANEL HEIGHT	EXT. (+) INT. (-)
30	30	58
36		42
42		32
48		27
54		22
58		20
60		19
66		17
72		15
30	36	50
36		49
42		36
48		29
54		24
58		22
60		21
30	39	47
36		45
42		39
48		31
54		25

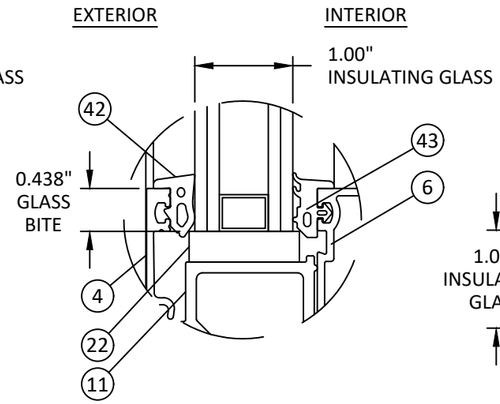
INSULATED GLASS LOAD CAPACITY (PSF)		
NOMINAL PANEL SIZE (in)		NON-IMPACT INSUL. GLASS
PANEL WIDTH	PANEL HEIGHT	EXT. (+) INT. (-)
30	42	45
36		43
42		42
48		32
30	48	42.4
36		38.9
42		37.0
30	54	40
36		36
30	60	39
36		35
30	66	38

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

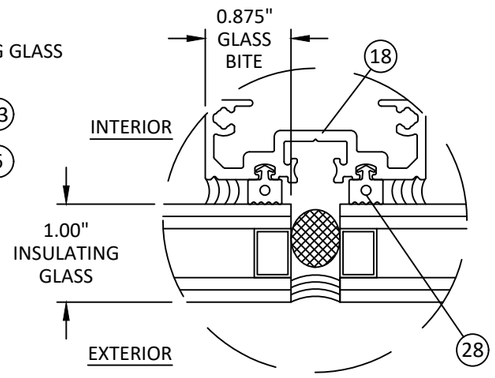
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON CHAPTER 17 OF THE FBC FOR SIZES OTHER THAN TESTED.



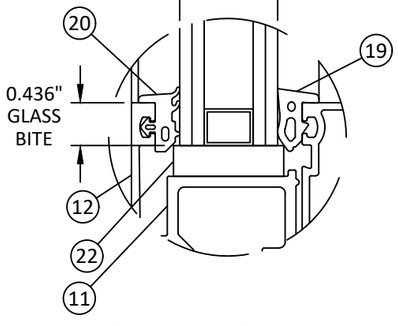
GLAZING DETAIL 1
TYPICAL AT SILL
OUTSIDE GLAZED



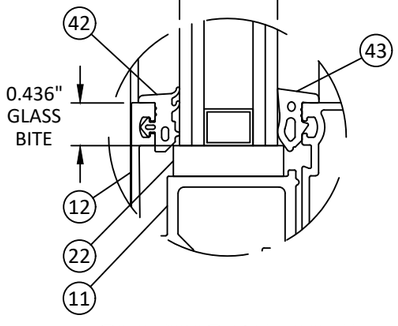
GLAZING DETAIL 2
TYPICAL AT SILL WITH SSG MULLION
OUTSIDE GLAZED



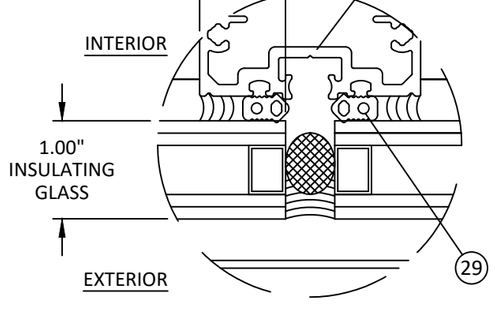
GLAZING DETAIL 3
TYPICAL AT INTERMEDIATE
SSG VERTICAL
OUTSIDE GLAZED



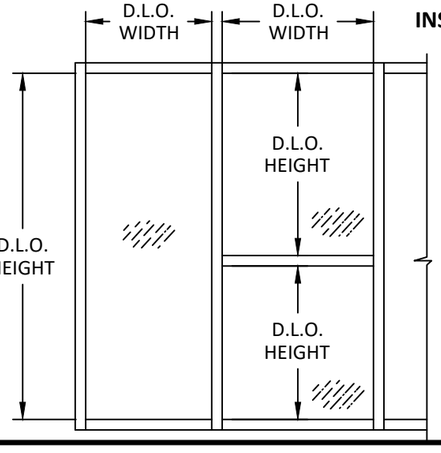
GLAZING DETAIL 4
TYPICAL AT SILL
INSIDE GLAZED



GLAZING DETAIL 5
TYPICAL AT SILL WITH SSG MULLION
INSIDE GLAZED



GLAZING DETAIL 6
TYPICAL AT INTERMEDIATE
SSG VERTICAL
INSIDE GLAZED



DAYLITE OPENING DIMENSIONS:
DAYLITE OPENING WIDTH
= NOMINAL PANEL WIDTH - 2.00"
= NOMINAL PANEL WIDTH - 2.25"

DAYLITE OPENING HEIGHT
= FRAME HEIGHT - 4.00" (HEAD TO SILL)
= HORIZ. END - 4.25" (HORIZONTAL TO HEAD/SILL)

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

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.

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

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT)
GLAZING DETAILS AND DESIGN PRESSURE TABLE

PREPARED BY:
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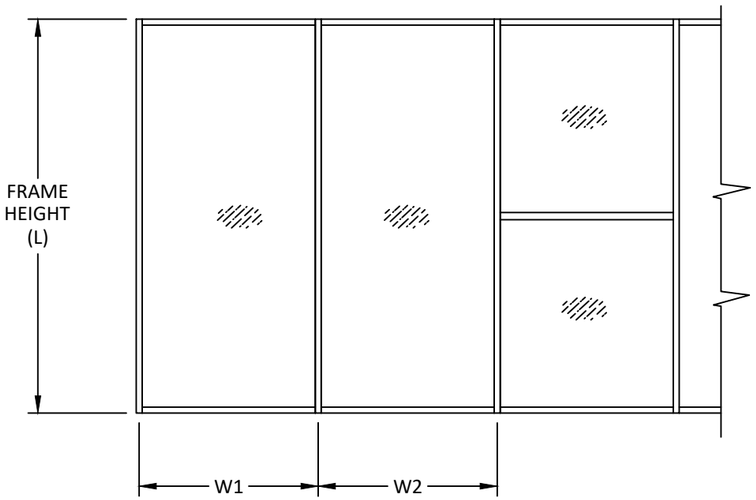
MULLION LOAD TABLES

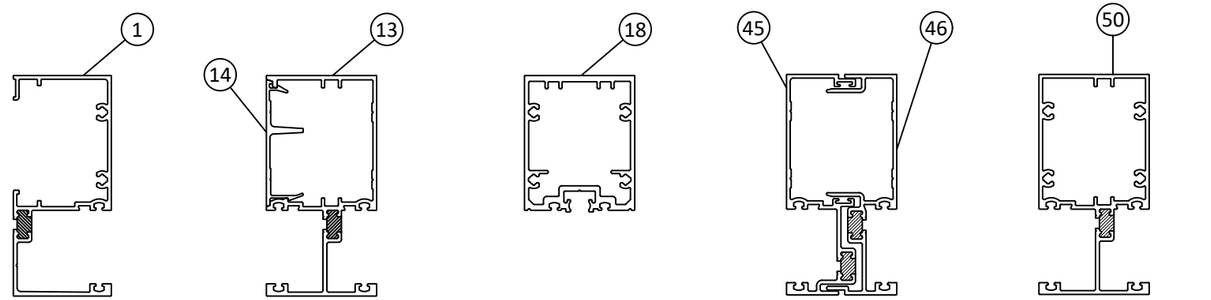
MAXIMUM DESIGN PRESSURE CAPACITY VERTICAL THRU		
WIDTH (in) W	FRAME HEIGHT (in) L	DESIGN PRESSURE (psf)
30	72	80.0
36		77.8
42		66.7
48		58.3
54		51.9
60		46.7
66		42.4
30	78	80.0
36		71.8
42		61.5
48		53.8
54		47.9
60		43.1
30	84	80.0
36		66.7
42		57.1
48		50.0
54		44.4
60		40.0
30	90	65.0
36		54.2
42		46.5
48		40.7
54		36.1
30	96	53.6
36		44.7
42		38.3
48		33.5
30	102	44.7
36		37.2
42		31.9
48		27.9
30	108	37.6
36		31.4
42		26.9
30	114	32.0
36		26.7
42		22.9
30	120	27.4
36		22.9
42		19.6

NOTE: VALUES SHOWN ABOVE APPLICABLE TO ALL VERTICAL MEMBERS SHOWN.

MAXIMUM DESIGN PRESSURE CAPACITY CONTINUOUS HEAD AND SILL		
WIDTH (in) W	FRAME HEIGHT (in)	DESIGN PRESSURE (psf)
30.0	66.0	80.0
36.0		73.6
42.0		63.1
48.0		55.2
54.0		49.1
30.0	72.0	80.0
36.0		67.5
42.0		57.9
48.0		50.6
30.0	78.0	63.7
36.0		53.1
42.0		45.5
30.0	84.0	51.0
36.0		42.5
42.0		36.4
30.0	90.0	41.5
36.0		34.6
30.0	102.0	28.5
36.0	102.0	23.7
30.0	108.0	24.0



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



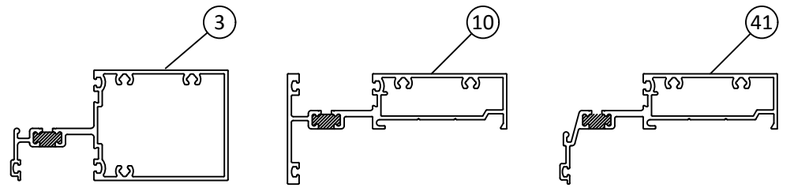
M1 JAMB/MULLION

M2 S.S. MULLION

M3 SSG MULLION

M4 EXPANSION MULLION

M5 CAPTURED MULLION



H1 O.G. HORIZONTAL

H2 I.G. HORIZONTAL

H3 I.G. HORIZONTAL

NOTE: TYPICAL YWW 45 TU PROFILES SHOWN THROUGHOUT. YWW 45 FI PROFILES WITHOUT THERMAL BREAK ARE QUALIFIED FOR THE SAME PERFORMANCE RATINGS AND OPTIONS SHOWN HEREIN.

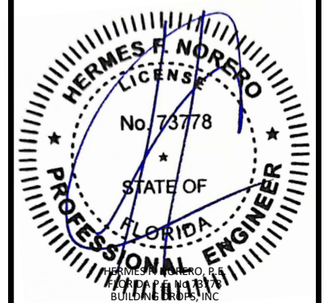
YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT)
MULLION DESIGN PRESSURE TABLES

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 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	5.22.23
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, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 07.26.17

DWG. BY: AR | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK210

SHEET: 5 | REV. B

OF 12

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HEADER, SILL AND JAMBS ANCHOR LOAD CAPACITY - QUANTITY OF ANCHORS CLUSTERED ON EACH SIDE OF MULLION PSF - EXT. (+) & INT. (-)							
NOMINAL DIMS.		INSTALLATION TO CONCRETE OR MASONRY		INSTALLATION TO STEEL OR ALUMINUM		INSTALLATION TO WOOD	
WIDTH (*in*) (W)	FRAME HEIGHT (*in*)	1 ANCHOR	2 ANCHORS	1 ANCHOR	2 ANCHORS	1 ANCHOR	2 ANCHORS
30	72	34.7	69.3	44.5	80.0	60.1	80.0
36		30.5	61.0	39.1	78.2	52.9	80.0
42		27.7	55.3	35.5	71.0	48.0	80.0
48		25.7	51.5	33.0	66.0	44.6	80.0
54		24.4	48.8	31.3	62.6	42.3	80.0
60		23.5	47.0	30.2	60.3	40.8	80.0
66		23.0	46.1	29.5	59.1	39.9	79.9
30	78	31.4	62.7	40.2	80.0	54.4	80.0
36		27.4	54.9	35.2	70.4	47.6	80.0
42		24.8	49.5	31.8	63.5	42.9	80.0
48		22.9	45.7	29.3	58.7	39.7	79.3
54		21.5	43.0	27.6	55.2	37.3	74.6
60		20.6	41.2	26.4	52.8	35.7	71.4
30	84	28.6	57.3	36.7	73.4	49.7	80.0
36		24.9	49.9	32.0	64.0	43.3	80.0
42		22.4	44.8	28.7	57.5	38.8	77.7
48		20.6	41.2	26.4	52.8	35.7	71.4
54		19.3	38.5	24.7	49.4	33.4	66.8
60		18.3	36.6	23.5	46.9	31.7	63.4
30	90	26.3	52.7	33.8	67.6	45.7	80.0
36		22.9	45.7	29.3	58.7	39.7	79.3
42		20.5	40.9	26.2	52.5	35.5	70.9
48		18.7	37.4	24.0	48.0	32.4	64.9
54		17.4	34.8	22.3	44.7	30.2	60.4
30	96	24.4	48.8	31.3	62.6	42.3	80.0
36		21.1	42.2	27.1	54.1	36.6	73.2
42		18.8	37.6	24.1	48.3	32.6	65.3
48		17.2	34.3	22.0	44.0	29.7	59.5
30	102.0	22.7	45.4	29.1	58.3	39.4	78.8
36		19.6	39.2	25.1	50.3	34.0	68.0
42		17.4	34.8	22.3	44.7	30.2	60.4
48		15.8	31.7	20.3	40.6	27.5	54.9
30	108.0	21.2	42.5	27.2	54.5	36.8	73.7
36		18.3	36.6	23.5	46.9	31.7	63.4
42		16.2	32.4	20.8	41.6	28.1	56.3
30	114.0	20.0	39.9	25.6	51.2	34.6	69.2
36		17.2	34.3	22.0	44.0	29.7	59.5
42		15.2	30.3	19.5	38.9	26.3	52.6
30	120.0	18.8	37.6	24.1	48.3	32.6	65.3
36		16.1	32.3	20.7	41.4	28.0	56.0
42		14.3	28.5	18.3	36.6	24.7	49.4

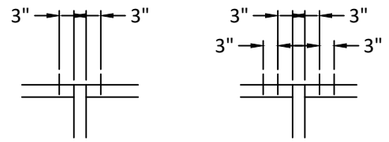
VERTICAL THRU ANCHOR TABLE

ANCHOR REQUIREMENTS:
SEE SHEET 3 FOR ANCHOR DESCRIPTIONS

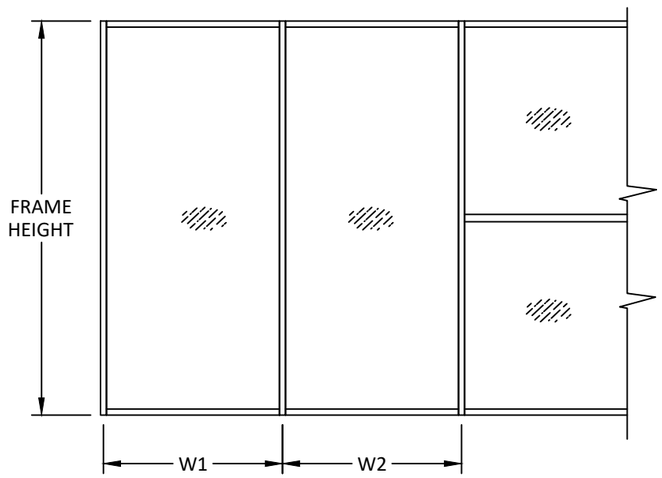
DETERMINE REQUIRED QUANTITY OF ANCHORS CLUSTERED ON EACH SIDE OF MULLION FROM TABLE AT LEFT BASED ON NOMINAL PANEL SIZE AND SITE REQUIRED DP. INSTALL ANCHORS PER DETAILS BELOW.

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION

MULLIONS



JAMBS



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

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

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT)
ANCHOR LAYOUTS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 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	5.22.23
9TH FBC CODE CHANGE	SH	6.29.26

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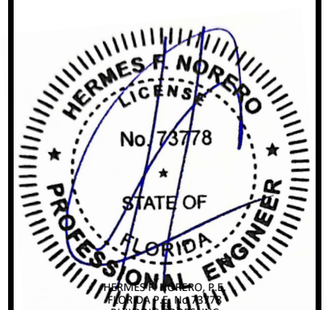

HERMES F. NORERO, P.E.
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 07.26.17

DWG. BY: AR | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK210

SHEET: 6 | REV. B

OF 12

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CONTINUOUS HEAD AND SILL ANCHOR TABLE

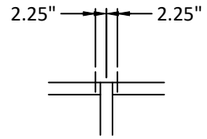
HEADER, SILL AND JAMBS ANCHOR LOAD CAPACITY - QUANTITY OF ANCHORS CLUSTERED ON EACH SIDE OF MULLION PSF - EXT. (+) & INT. (-)				
NOMINAL DIMS.		INSTALLATION TO CONCRETE OR MASONRY	INSTALLATION TO STEEL OR ALUMINUM	INSTALLATION TO WOOD
WIDTH (in) (W)	FRAME HEIGHT (in)	1 ANCHOR	1 ANCHOR	1 ANCHOR
30	66	80.0	80.0	80.0
36		80.0	80.0	80.0
42		80.0	80.0	80.0
48		80.0	80.0	80.0
54		80.0	80.0	80.0
30	72	80.0	80.0	80.0
36		80.0	80.0	80.0
42		80.0	80.0	80.0
48		79.5	80.0	80.0
30	78	80.0	80.0	80.0
36		80.0	80.0	80.0
42		76.5	80.0	80.0
30	84	80.0	80.0	80.0
36		77.1	80.0	80.0
42		69.2	80.0	80.0
30	90	80.0	80.0	80.0
36		70.7	80.0	80.0
30	96	75.4	80.0	80.0
36		65.2	80.0	80.0
30	102	70.2	80.0	80.0
36		60.6	75.2	76.1
30	108	65.7	80.0	80.0
30	114	61.7	76.6	77.5
30	120	58.1	72.2	73.0

ANCHOR REQUIREMENTS:
SEE SHEET 3 FOR ANCHOR DESCRIPTIONS

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

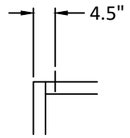
ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION

MULLIONS

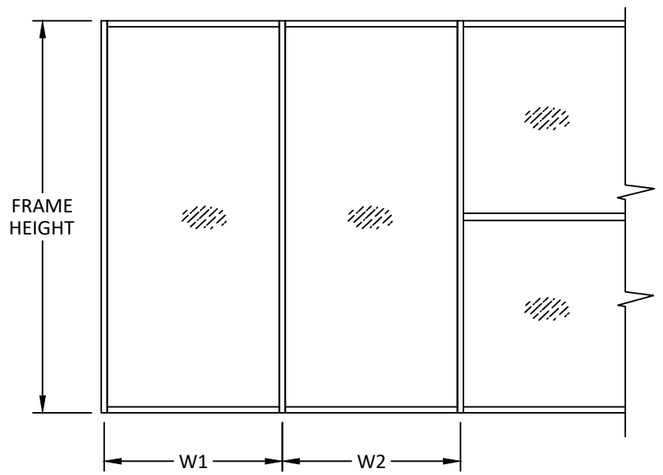


1 ANCHOR

JAMBS



1 ANCHOR



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

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

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT) ANCHOR LAYOUTS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 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	5.22.23
9TH FBC CODE CHANGE	SH	6.29.26

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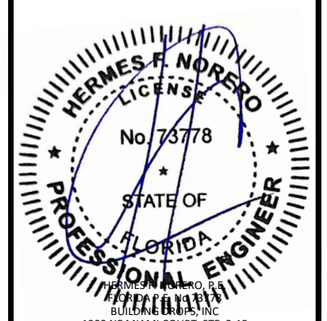

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 07.26.17

DWG. BY: AR | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK210

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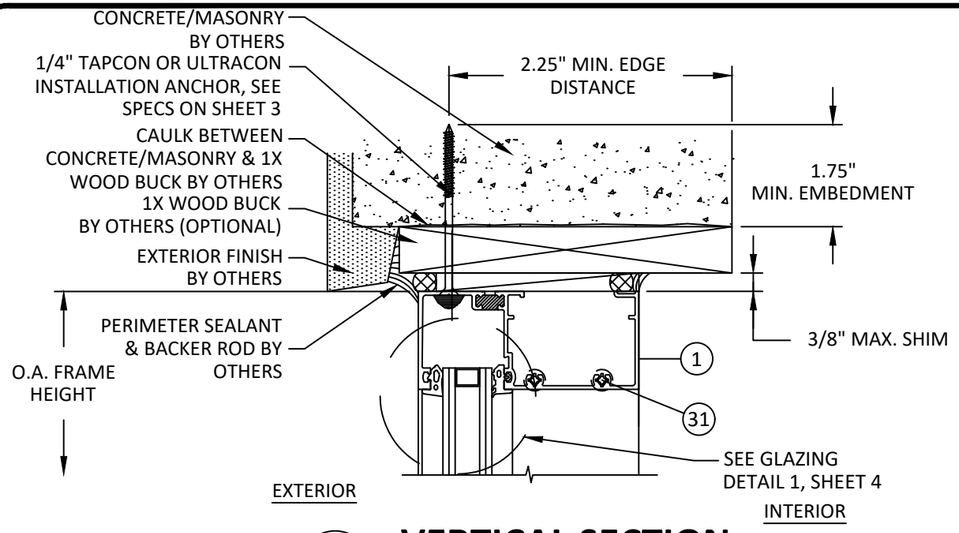
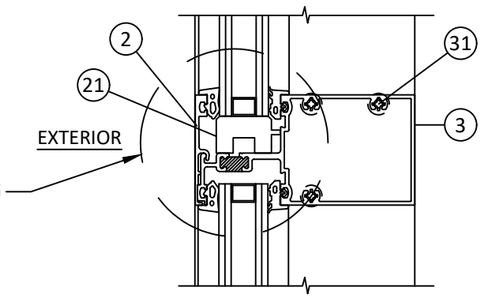


A/8 VERTICAL SECTION

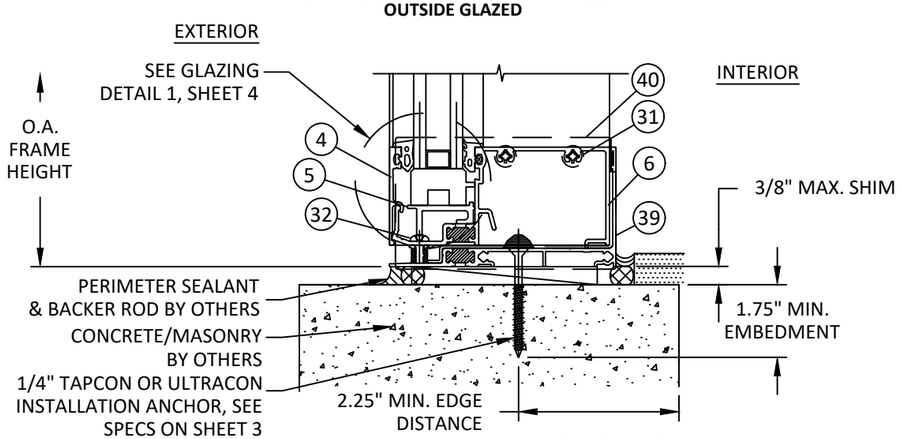
HEAD - CONCRETE/MASONRY W/ 1X BUCK
VERTICAL THROUGH FRAME INSTALLATION
OUTSIDE GLAZED



B/8 VERTICAL SECTION

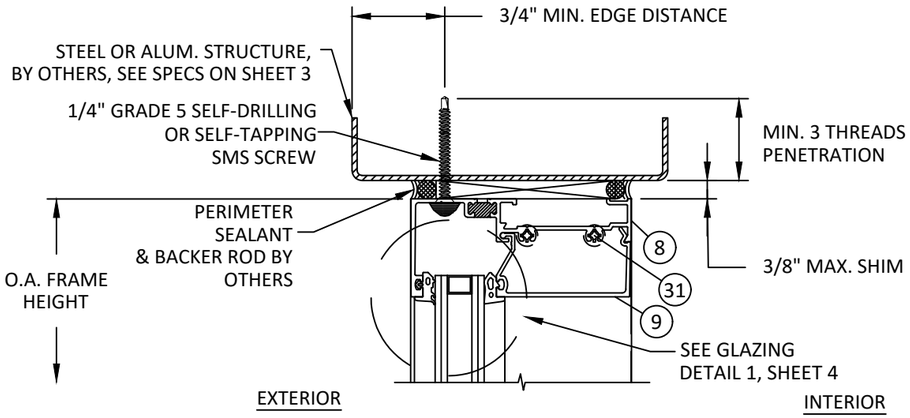
HORIZONTAL MEMBER
VERTICAL THROUGH FRAME INSTALLATION
OUTSIDE GLAZED

NOTE:
YWW 45 FI WINDOW WALL SYSTEMS HAS THE SAME SECTIONS. THE THERMAL BREAK IS NOT APPLICABLE TO YWW 45 FI SYSTEM.



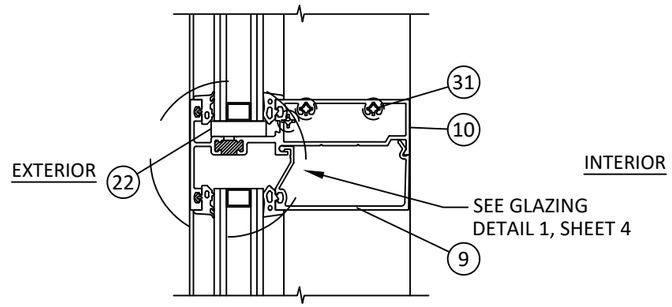
C/8 VERTICAL SECTION

SILL - DIRECT TO CONCRETE/MASONRY
VERTICAL THROUGH FRAME INSTALLATION
OUTSIDE GLAZED



D/8 VERTICAL SECTION

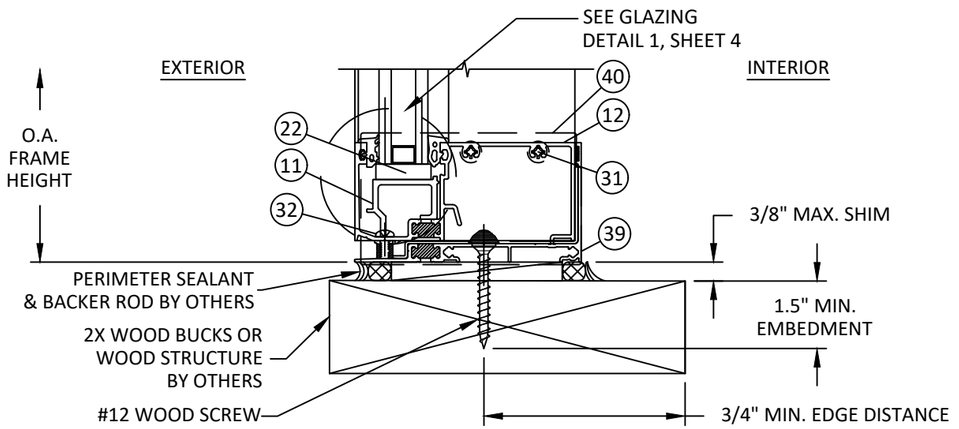
HEAD - METAL SUBSTRATE
VERTICAL THROUGH FRAME INSTALLATION
INSIDE GLAZED



E/8 VERTICAL SECTION

HORIZONTAL MEMBER
VERTICAL THROUGH FRAME INSTALLATION
INSIDE GLAZED

INSIDE GLAZED



F/8 VERTICAL SECTION

SILL - WOOD FRAMING
VERTICAL THROUGH FRAME INSTALLATION
INSIDE GLAZED

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

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT) VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

FL #: FL12611

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DWG. BY: AR | CHK. BY: HFN

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DWG. #: YKK210

SHEET: 8 | REV. B

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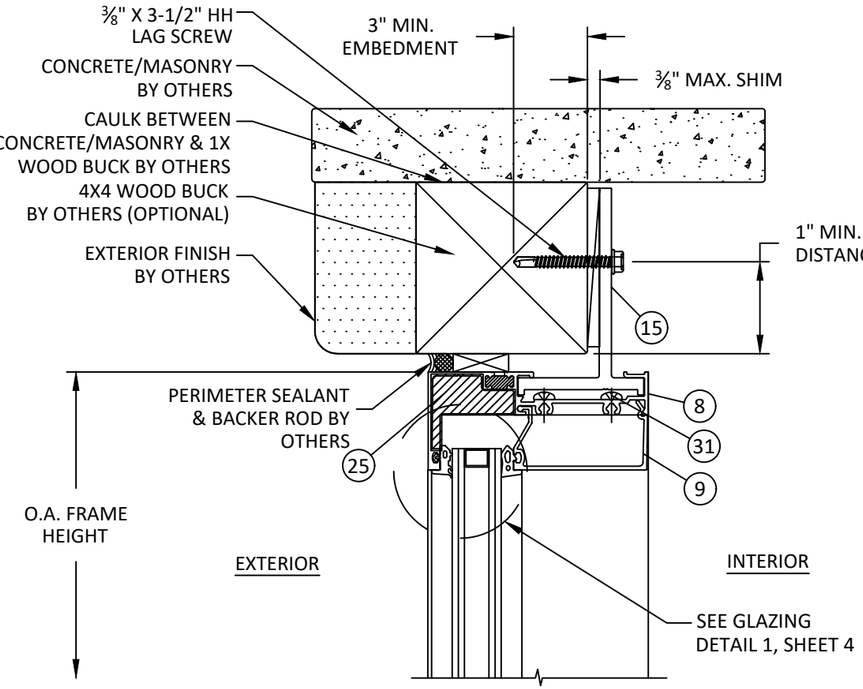
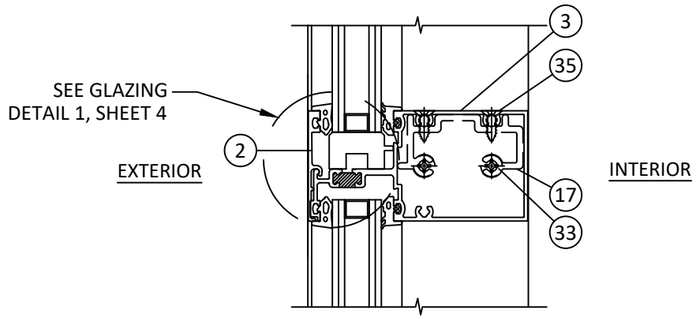


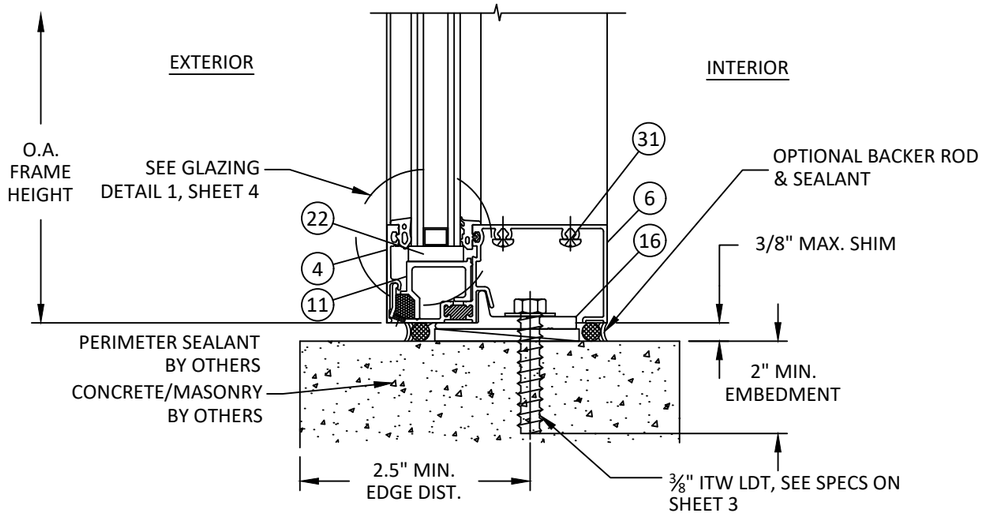
G/9 VERTICAL SECTION

HEAD - CONCRETE/MASONRY W/ 1X BUCK
HEAD ANCHOR
CONTINUOUS HEAD/SILL INSTALLATION
INSIDE GLAZED



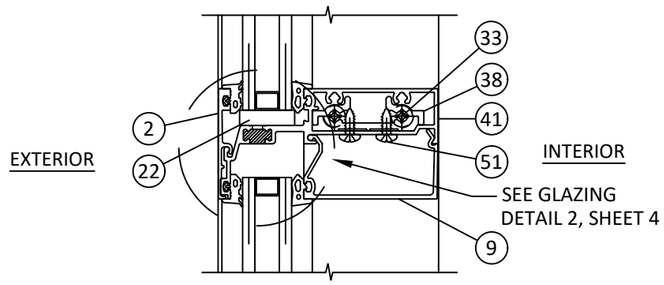
I/9 VERTICAL SECTION

INTERMEDIATE HORIZONTAL MULLION
CONTINUOUS HEAD/SILL INSTALLATION
OUTSIDE GLAZED



H/9 VERTICAL SECTION

SILL - DIRECT TO CONCRETE/MASONRY
SILL ANCHOR
CONTINUOUS HEAD & SILL INSTALLATION
OUTSIDE GLAZED



J/9 VERTICAL SECTION

INTERMEDIATE HORIZONTAL MULLION
CONTINUOUS HEAD/SILL INSTALLATION
INSIDE GLAZED

YKK AP America Inc.
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ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT) VERTICAL SECTIONS (CONT'D)

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 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	5.22.23
9TH FBC CODE CHANGE	SH	6.29.26

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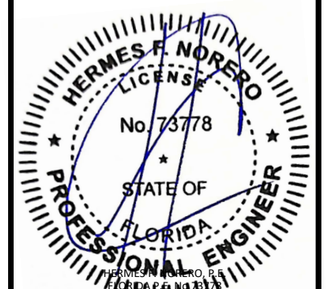

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL12611

DATE: 07.26.17

DWG. BY: AR | CHK. BY: HFN

SCALE: NTS

DWG. #: YKK210

SHEET: 9 | REV. B

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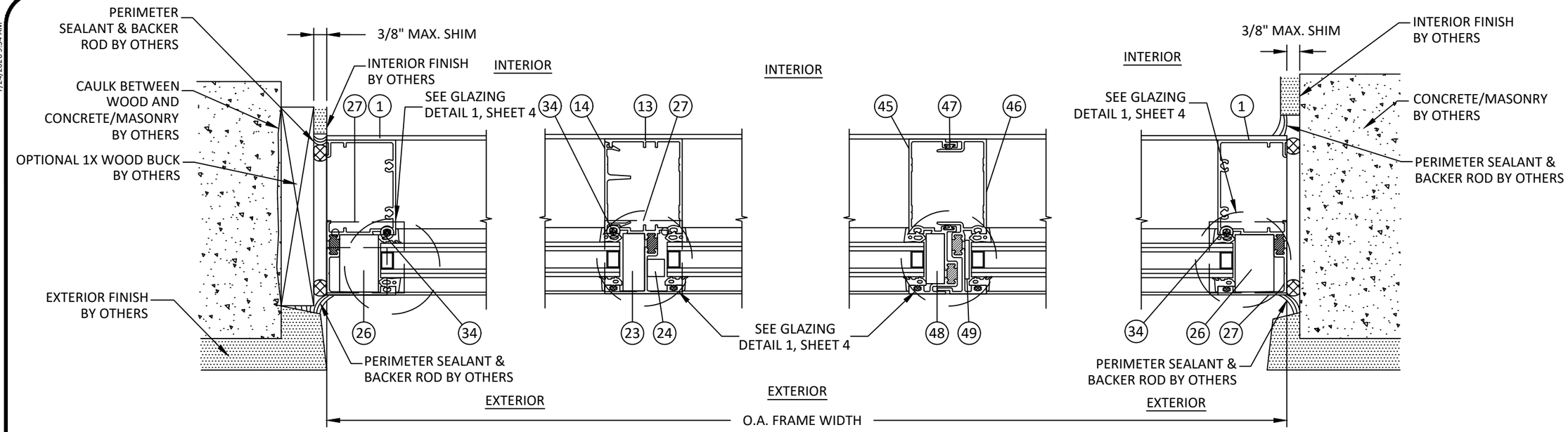
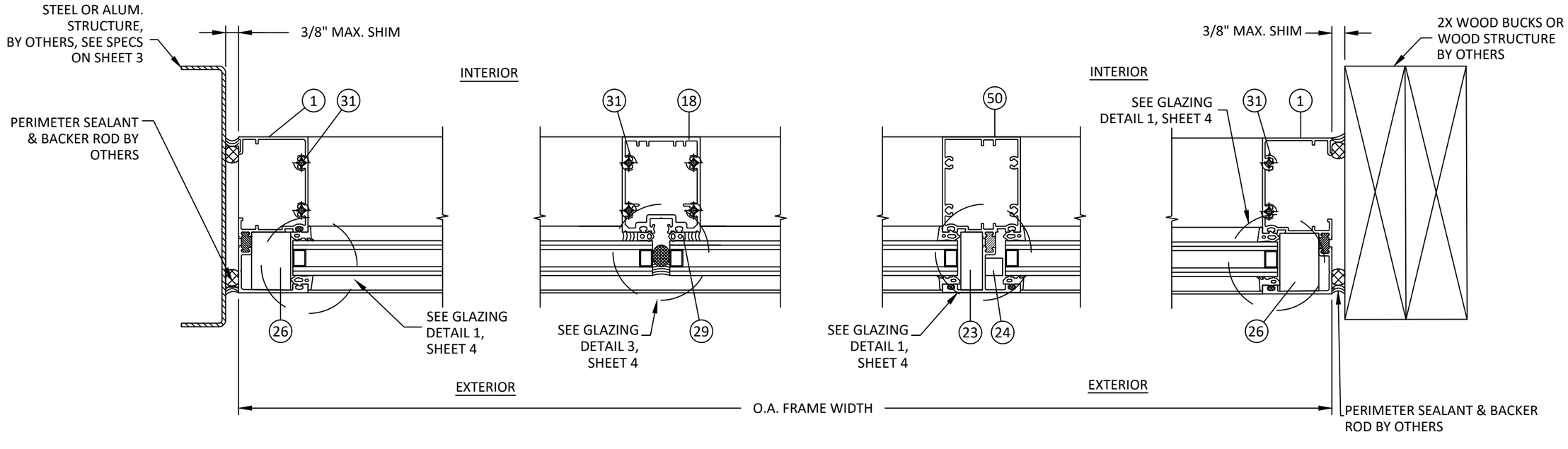


K/10 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY W/ 1X BUCK
VERTICAL THROUGH FRAME INSTALLATION
OUTSIDE GLAZED

L/10 HORIZONTAL SECTION
VERTICAL MULLION
VERTICAL THROUGH FRAME INSTALLATION
INSIDE GLAZED

M/10 HORIZONTAL SECTION
VERTICAL MULLION
VERTICAL THROUGH FRAME INSTALLATION
INSIDE GLAZED

N/10 HORIZONTAL SECTION
JAMB - DIRECT TO CONCRETE/MASONRY
VERTICAL THROUGH FRAME INSTALLATION
INSIDE GLAZED



O/10 HORIZONTAL SECTION
JAMB - METAL SUBSTRATE
CONTINUOUS HEAD/SILL FRAME INSTALLATION
OUTSIDE GLAZED

P/10 HORIZONTAL SECTION
VERTICAL MULLION
CONTINUOUS HEAD & SILL INSTALLATION
INSIDE GLAZED

Q/10 HORIZONTAL SECTION
VERTICAL MULLION
CONTINUOUS HEAD & SILL INSTALLATION
INSIDE GLAZED

R/10 HORIZONTAL SECTION
JAMB - WOOD FRAMING
CONTINUOUS HEAD/SILL INSTALLATION
INSIDE GLAZED

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

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT) HORIZONTAL SECTIONS

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

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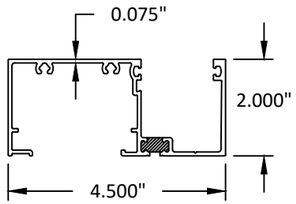
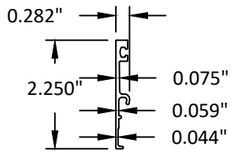
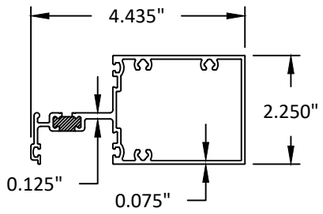
7/24/2026 9:34 AM



1 JAMB/HEAD (O.G.)



2 EXTERIOR GLASS STOP



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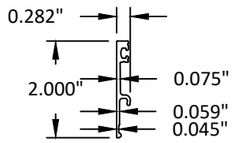

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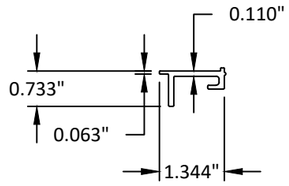
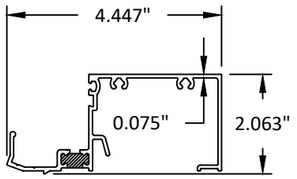
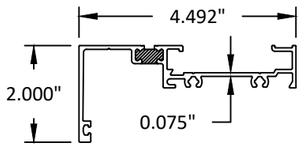


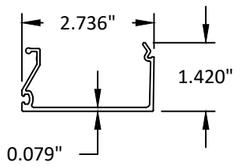
5 SETTING BLOCK CHAIR



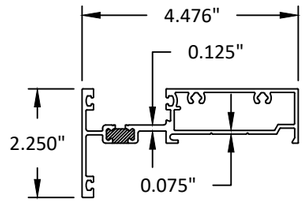
6 SILL (O.G)



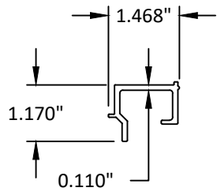
8 HEAD (I.G.)



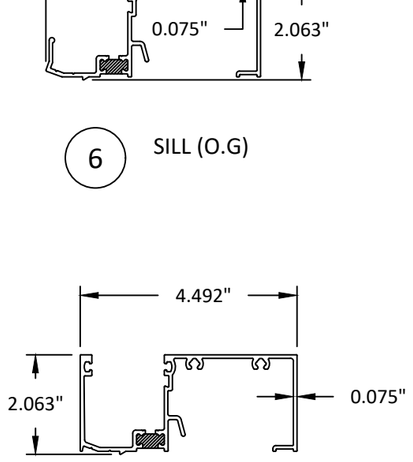
9 INTERIOR GLASS STOP



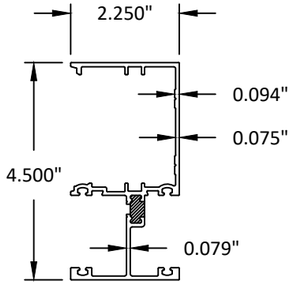
10 HORIZONTAL (I.G)



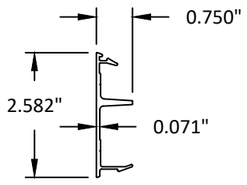
11 SETTING BLOCK CHAIR



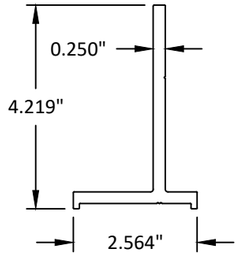
12 SILL (I.G.)



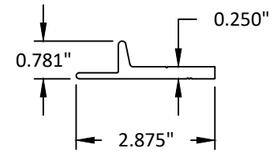
13 TWO PIECE VERTICAL



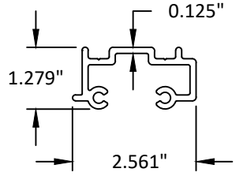
14 FLUSH FILLER



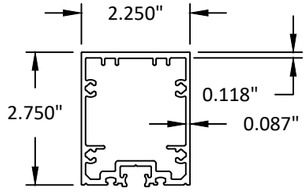
15 HEAD ANCHOR



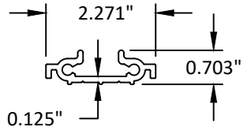
16 SILL ANCHOR



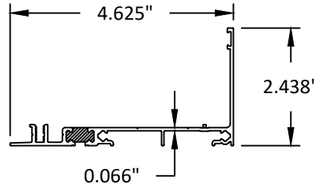
17 SHEAR BLOCK



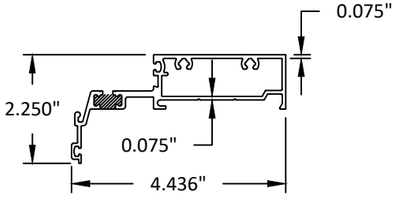
18 SSG VERTICAL MULLION



38 SHEAR BLOCK (I.G)



39 THERMAL SILL FLASHING



41 HORIZONTAL (I.G.)

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

TITLE: YWW 45 TU/FI (INSULATING GLASS) WINDOW WALL (NON-HVHZ)(NON-IMPACT) COMPONENTS

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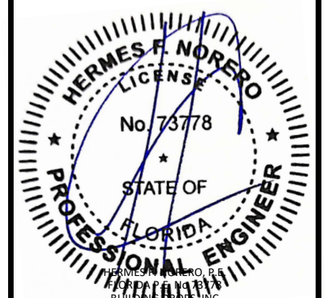

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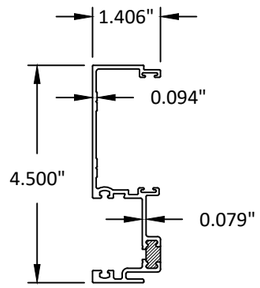
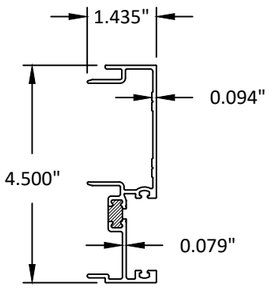
BILL OF MATERIALS

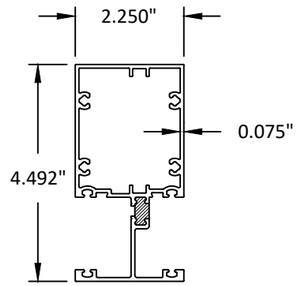
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/ REMARKS
1	BE9-2703	JAMB/HEAD (O.G.)	6063-T5	YKK AP AMERICA
2	E9-1715	EXTERIOR GLASS STOP	6063-T5	YKK AP AMERICA
3	BE9-2712	HORIZONTAL (O.G.)	6063-T5	YKK AP AMERICA
4	E9-2714	EXTERIOR GLASS STOP	6063-T5	YKK AP AMERICA
5	E1-1177	SETTING BLOCK CHAIR	6063-T5	YKK AP AMERICA
6	BE9-2713	SILL (O.G.)	6063-T5	YKK AP AMERICA
7	-	-	-	-
8	BE9-2720	HEAD (I.G.)	6063-T5	YKK AP AMERICA
9	E9-2707	INTERIOR GLASS STOP	6063-T5	YKK AP AMERICA
10	BE9-2705	HORIZONTAL (I.G.)	6063-T5	YKK AP AMERICA
11	E1-1173	SETTING BLOCK CHAIR	6063-T5	YKK AP AMERICA
12	BE9-2706	SILL (I.G.)	6063-T5	YKK AP AMERICA
13	BE9-2701	TWO PIECE VERTICAL	6063-T5	YKK AP AMERICA
14	E9-1702	FLUSH FILLER	6063-T5	YKK AP AMERICA
15	E1-1171	HEAD ANCHOR	6063-T5	YKK AP AMERICA
16	E1-1172	SILL ANCHOR	6063-T5	YKK AP AMERICA
17	E1-1037	SHEAR BLOCK	6063-T5	YKK AP AMERICA
18	E9-2715	SSG VERTICAL MULLION	6063-T5	YKK AP AMERICA
19	E2-0808	WEDGE GLAZING GASKET	EPDM	-
20	E2-0801	PUSH-IN GLAZING GASKET	EPDM	-
21	E2-0150	SETTING BLOCK	EPDM	-
22	E2-0178	SETTING BLOCK	EPDM	-
23	E2-0546	ANTI WALK BLOCK	EPDM	-
24	E2-0019	SIDE BLOCK	EPDM	-
25	E2-0548	END DAM (HEAD)	PVC SPONGE	-
26	E2-0545	ANTI WALK BLOCK	EPDM	-
27	E1-1184	MULLION END CAP	ALUMINUM SHEET	-
28	E2-0544	SSG GLAZING SPACER (O.G.)	EPDM	-
29	E2-0543	SSG GLAZING SPACER (I.G.)	EPDM	-
30	E1-0168	SILL FLASHING END DAM	ALUMINUM SHEET	-
31	PC-1220	#12X1 1/4" PHSMS TYPE AB	ZINC PLATED STEEL	-
32	PM-1006-SS	#10-24X3/8" PPHMS 18-8 SS	STAINLESS STEEL	-
33	PC-1228	#12X1 3/4" PHSMS TYPE AB	ZINC PLATED STEEL	-
34	PC-1006	#10X3/8" PHSMS TYPE AB	ZINC PLATED STEEL	-
35	FC-1210	#12X5/8" FHSMS TYPE AB	ZINC PLATED STEEL	-
36	-	3/8"X3 1/2" H.H. LAG SCREW	ZINC PLATED STEEL	-
37	-	3/8"X2" H.H. LAG SCREW	ZINC PLATED STEEL	-
38	E1-1170	SHEAR BLOCK (I.G.)	6063-T5	YKK AP AMERICA
39	BE9-2722	THERMAL SILL FLASHING	6063-T5	YKK AP AMERICA
40	E1-0140	SILL FLASHING END DAM	ALUMINUM SHEET	-
41	BE9-2717	HORIZONTAL (I.G.)	6063-T5	YKK AP AMERICA
42	E2-0541	GLAZING GASKET	EPDM	-
43	E2-0542	WEDGE GASKET	EPDM	-
44	E2-0547	END DAM (SILL)	PVC SPONGE	-
45	BE9-2709	EXPANSION MULLION (FEMALE)	6063-T5	YKK AP AMERICA
46	BE9-2710	EXPANSION MULLION (MALE)	6063-T5	YKK AP AMERICA
47	E2-0065	WEATHERING GASKET	EPDM	-
48	E2-0153	ANTI WALK BLOCK	EPDM	-
49	E2-0513	SIDE BLOCK	EPDM	-
50	BE9-2702	CAPTURED VERTICAL MULLION	6063-T5	YKK AP AMERICA
51	PC-1208	#12X1/2" PHSMS TYPE AB	ZINC PLATED STEEL	-
52	E2-0047	WATER DEFLECTOR	PVC/SUNPRENE RIGID	YKK AP AMERICA



45 EXPANSION MULLION (FEMALE)



46 EXPANSION MULLION (MALE)



50 CAPTURED VERTICAL MULLION

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

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BILL OF MATERIALS & COMPONENTS (CONT'D)

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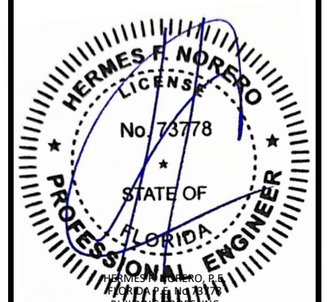

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