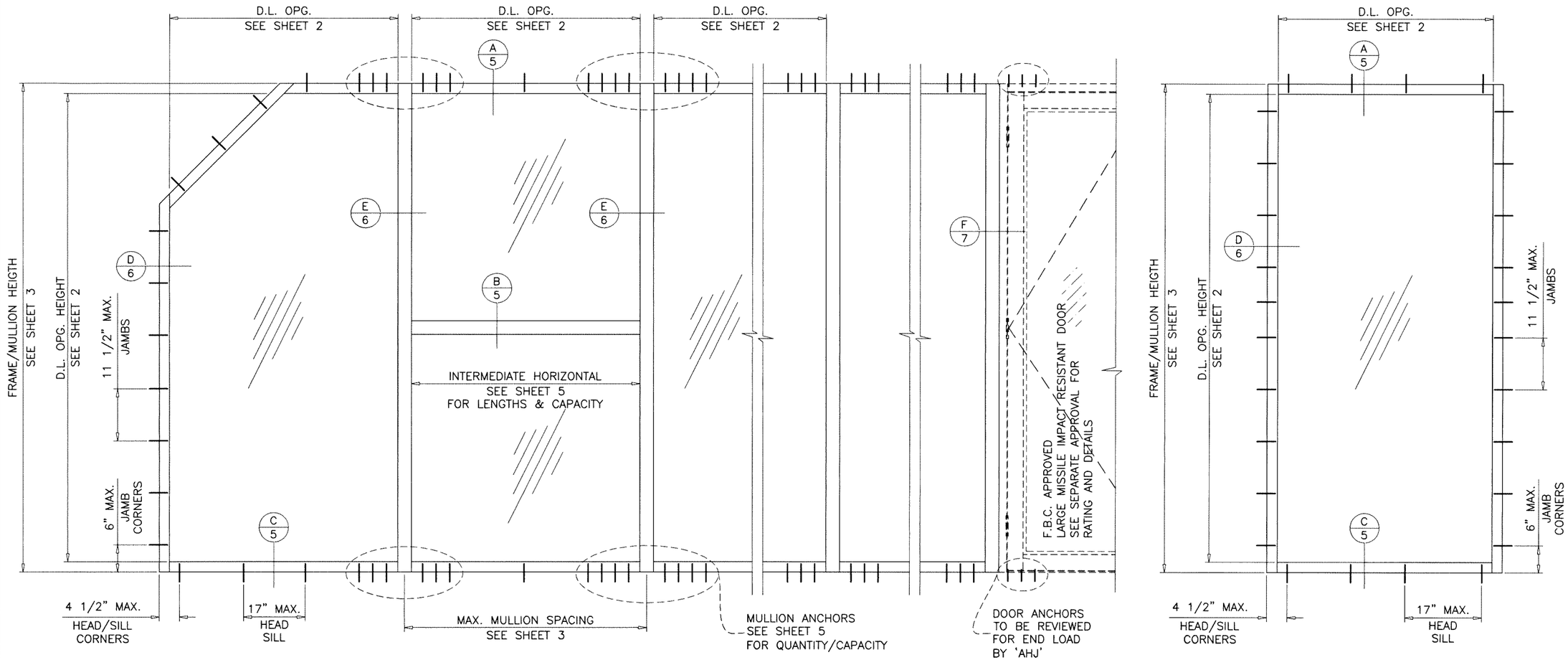


TYPICAL ELEVATIONS

SERIES S-5000 ALUMINUM WINDOW WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2 CHECK GLASS CAPACITY TABLE ON SHEET 2 FOR GLASS TYPE, GLASS DIMENSIONS (WIDTH & HEIGHT) AND PRESSURE CAPACITY.
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 3 CHECK WINDOW WALL SYSTEM CAPACITY FOR DESIRED HEIGHT AND MULLION SPACING USING CHARTS ON SHEET 3.
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 4 USING CHARTS ON SHEET 4 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 5 THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
LARGE MISSILE IMPACT

Sealed: 7/26/2023

FL #40533

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 WWW.AFCENG.COM
FBPE #3538

COMP-ANL\21-55F-EWI

S-5000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Empire Windows Industry, Inc.
6508 NW 77th Court
Miami, FL. 33166
Phone: (786) 203-1574 www.empirewindustry.com

revisions:

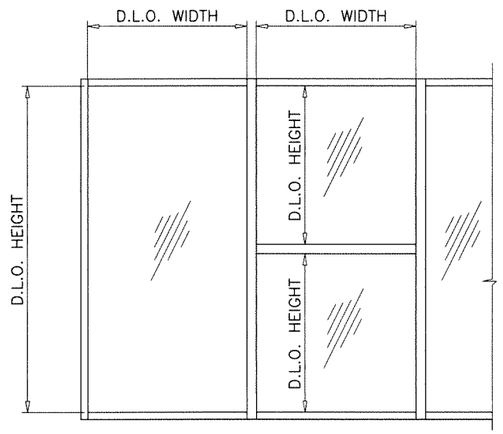
no	date	by	description
A	07.17.23		UPDATED TO 2023 FBC

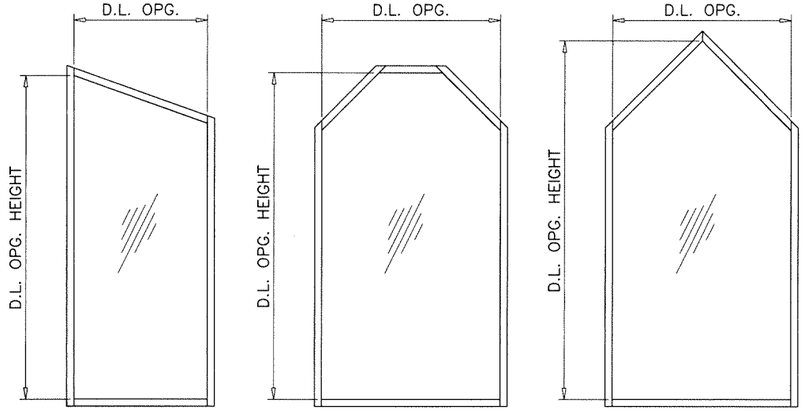
date: 06-28-21
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no. 21-55F

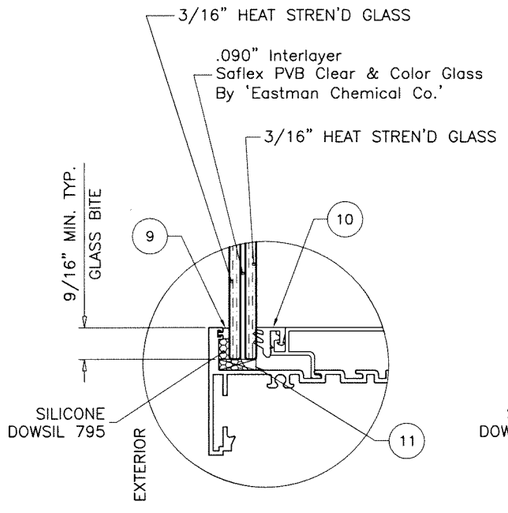
GLASS LOAD CAPACITY – PSF							
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
45"	76–7/16"	60.0	60.0	62.0	75.0	135.0	135.0
48"		60.0	60.0	62.0	75.0	135.0	135.0
50–5/8"		56.9	56.9	62.0	75.0	135.0	135.0
51"		56.5	56.5	62.0	75.0	134.0	134.0
57"		50.5	50.5	62.0	74.5	119.9	119.9
63"		45.7	45.7	62.0	67.4	108.5	108.5
68–1/2"		42.0	42.0	62.0	62.0	99.8	99.8
45"	79–1/2"	60.0	60.0	62.0	75.0	135.0	135.0
48"		60.0	60.0	62.0	75.0	135.0	135.0
50–5/8"		56.9	56.9	62.0	75.0	135.0	135.0
51"		56.5	56.5	62.0	75.0	134.0	134.0
57"		50.5	50.5	62.0	74.5	119.9	119.9
63"		45.7	45.7	62.0	67.4	108.5	108.5
68–1/2"		42.0	42.0	62.0	62.0	–	–
45"	91–1/2"	60.0	60.0	62.0	75.0	135.0	135.0
48"		60.0	60.0	62.0	75.0	135.0	135.0
50–5/8"		56.9	56.9	62.0	75.0	135.0	135.0
51"		56.5	56.5	62.0	75.0	134.0	134.0
57"		50.5	50.5	62.0	74.5	119.9	119.9
63"		–	–	62.0	67.4	–	–
68–1/2"		–	–	62.0	62.0	–	–
45"	103–1/2"	60.0	60.0	62.0	75.0	135.0	135.0
48"		60.0	60.0	62.0	75.0	135.0	135.0
50–5/8"		56.9	56.9	62.0	75.0	135.0	135.0
51"		56.5	56.5	62.0	75.0	–	–
57"		–	–	62.0	74.5	–	–
63"		–	–	62.0	67.4	–	–
68–1/2"		–	–	62.0	62.0	–	–
45"	115–1/2"	60.0	60.0	62.0	75.0	–	–
48"		60.0	60.0	62.0	75.0	–	–
50–5/8"		–	–	62.0	75.0	–	–
51"		–	–	62.0	75.0	–	–
57"		–	–	62.0	74.5	–	–
63"		–	–	62.0	67.4	–	–
68–1/2"		–	–	62.0	62.0	–	–
45"	127–1/2"	–	–	62.0	75.0	–	–
48"		–	–	62.0	75.0	–	–
50–5/8"		–	–	62.0	75.0	–	–
51"		–	–	62.0	75.0	–	–
57"		–	–	62.0	72.4	–	–
63"		–	–	62.0	67.4	–	–
68–1/2"		–	–	62.0	62.0	–	–
45"	139–1/2"	–	–	62.0	75.0	–	–
48"		–	–	62.0	75.0	–	–
50–5/8"		–	–	62.0	75.0	–	–
51"		–	–	62.0	75.0	–	–
57"		–	–	62.0	70.6	–	–
63"		–	–	62.0	65.7	–	–
68–1/2"		–	–	62.0	62.0	–	–

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

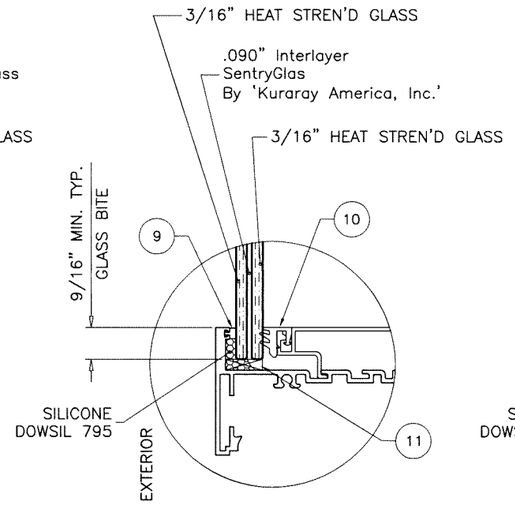




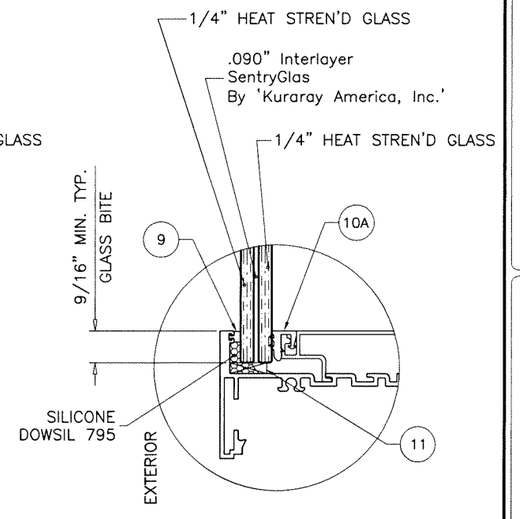
ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'C'
9/16" OVERALL LAM. GLASS

GLAZING OPTIONS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–09 (3 SEC. GUSTS).

GLASS

Sealed: 7/26/2023

FL #40533

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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revisions:			
no	date	by	description

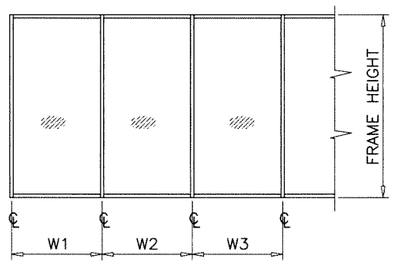
date: 06-28-21
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no. 21–55F

MULLION LOAD CAPACITY – PSF
MULLIONS WITHOUT INTERMEDIATE HORIZONTALS

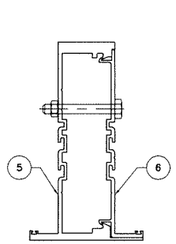
NOMINAL DIMS.		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
48"	81"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	135.0	135.0
60"		60.0	60.0	62.0	75.0	135.0	135.0
66"		60.0	60.0	62.0	75.0	135.0	135.0
71–1/2"		60.0	60.0	62.0	75.0	135.0	135.0
48"	84"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	135.0	135.0
60"		60.0	60.0	62.0	75.0	135.0	135.0
66"		60.0	60.0	62.0	75.0	135.0	135.0
71–1/2"		60.0	60.0	62.0	75.0	62.0	75.0
48"	96"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	135.0	135.0
60"		60.0	60.0	62.0	75.0	135.0	135.0
66"		–	–	62.0	75.0	62.0	75.0
71–1/2"		–	–	62.0	75.0	62.0	75.0
48"	108"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	62.0	75.0
60"		–	–	62.0	75.0	62.0	75.0
66"		–	–	62.0	75.0	62.0	75.0
71–1/2"		–	–	62.0	75.0	62.0	75.0
48"	120"	60.0	60.0	62.0	75.0	62.0	75.0
51"		60.0	60.0	62.0	75.0	62.0	75.0
53–5/8"		–	–	62.0	75.0	62.0	75.0
54"		–	–	62.0	75.0	62.0	75.0
60"		–	–	62.0	72.8	62.0	75.0
66"		–	–	62.0	67.4	62.0	75.0
71–1/2"		–	–	62.0	63.5	62.0	75.0
48"	132"	–	–	62.0	71.1	62.0	75.0
51"		–	–	62.0	67.3	62.0	75.0
53–5/8"		–	–	62.0	64.3	62.0	75.0
54"		–	–	62.0	63.9	62.0	75.0
60"		–	–	58.3	58.3	62.0	75.0
66"		–	–	53.8	53.8	62.0	73.4
71–1/2"		–	–	50.5	50.5	62.0	69.7
48"	144"	–	–	54.9	54.9	62.0	75.0
51"		–	–	52.0	52.0	62.0	75.0
53–5/8"		–	–	49.7	49.7	62.0	75.0
54"		–	–	49.4	49.4	62.0	75.0
60"		–	–	45.1	45.1	62.0	70.2
66"		–	–	41.6	41.6	62.0	65.5
71–1/2"		–	–	39.0	39.0	62.0	62.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



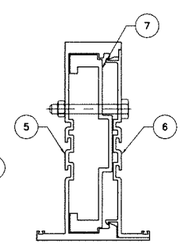
WIDTH (W) = W1
AT FRAME JAMB

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



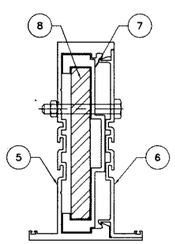
MULLION 'M1'

Ix IN^4	Sx IN^3
8.799	3.129



MULLION 'M2'

Ix IN^4	Sx IN^3
12.154	4.323



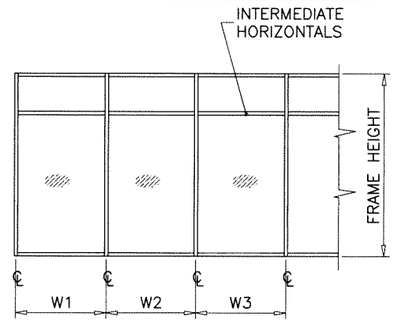
MULLION 'M3'

	Ix IN^4	Sx IN^3
ALUMINUM	12.154	4.323
STEEL	2.667	1.333
TOTAL Ix ALUM + Ix STL X 2.9	19.811	

MULLION LOAD CAPACITY – PSF
MULLIONS WITH INTERMEDIATE HORIZONTALS

NOMINAL DIMS.		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
48"	81"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	135.0	135.0
60"		60.0	60.0	62.0	75.0	135.0	135.0
66"		60.0	60.0	62.0	75.0	135.0	135.0
71–1/2"		60.0	60.0	62.0	75.0	135.0	135.0
48"	84"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	135.0	135.0
60"		60.0	60.0	62.0	75.0	135.0	135.0
66"		60.0	60.0	62.0	75.0	135.0	135.0
71–1/2"		60.0	60.0	62.0	75.0	62.0	75.0
48"	96"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	135.0	135.0
60"		60.0	60.0	62.0	75.0	135.0	135.0
66"		–	–	62.0	75.0	62.0	75.0
71–1/2"		–	–	62.0	75.0	62.0	75.0
48"	108"	60.0	60.0	62.0	75.0	135.0	135.0
51"		60.0	60.0	62.0	75.0	135.0	135.0
53–5/8"		60.0	60.0	62.0	75.0	135.0	135.0
54"		60.0	60.0	62.0	75.0	62.0	75.0
60"		–	–	62.0	75.0	62.0	75.0
66"		–	–	62.0	75.0	62.0	75.0
71–1/2"		–	–	62.0	70.3	62.0	75.0
48"	120"	60.0	60.0	62.0	75.0	62.0	75.0
51"		58.8	58.8	62.0	75.0	62.0	75.0
53–5/8"		–	–	62.0	74.8	62.0	75.0
54"		–	–	62.0	74.3	62.0	75.0
60"		–	–	62.0	66.8	62.0	75.0
66"		–	–	60.8	60.8	62.0	75.0
71–1/2"		–	–	56.1	56.1	62.0	75.0
48"	132"	–	–	62.0	68.0	62.0	75.0
51"		–	–	62.0	64.0	62.0	75.0
53–5/8"		–	–	60.9	60.9	62.0	75.0
54"		–	–	60.5	60.5	62.0	75.0
60"		–	–	54.4	54.4	62.0	75.0
66"		–	–	49.5	49.5	62.0	73.4
71–1/2"		–	–	45.7	45.7	62.0	68.9
48"	144"	–	–	52.6	52.6	62.0	75.0
51"		–	–	49.5	49.5	62.0	75.0
53–5/8"		–	–	47.1	47.1	62.0	75.0
54"		–	–	46.8	46.8	62.0	75.0
60"		–	–	42.1	42.1	62.0	68.6
66"		–	–	38.3	38.3	62.0	62.4
71–1/2"		–	–	35.3	35.3	57.6	57.6

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

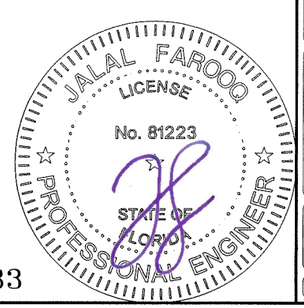


WIDTH (W) = W1
AT FRAME JAMB

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

MULLION

Sealed: 7/26/2023



FL #40533

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TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

COMP–ANL\21–55F–EWI

S–5000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Empire Windows Industry, Inc.
6508 NW 77th Court
Miami, FL. 33166
Phone: (786) 203–1574
www.empirewindustry.com

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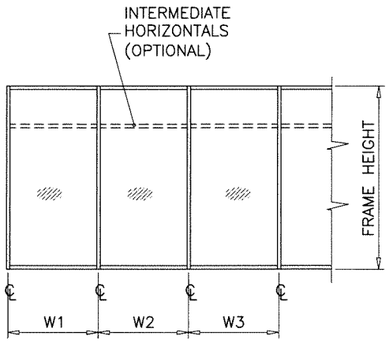
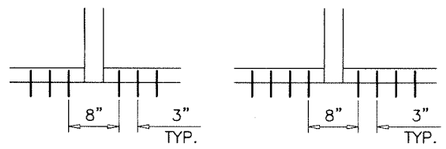
ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)			
NOMINAL DIMS.		ANCHORS 'A', 'B' OR 'C'	
WIDTH (W)	FRAME HEIGHT	A3/B3/C3	A4/B4/C4
48"	81"	75.0	135.0
51"		75.0	135.0
53–5/8"		75.0	135.0
54"		75.0	135.0
60"		75.0	135.0
66"		75.0	135.0
71–1/2"		75.0	135.0
48"	84"	75.0	135.0
51"		75.0	135.0
53–5/8"		75.0	135.0
54"		75.0	135.0
60"		75.0	135.0
66"		75.0	135.0
71–1/2"		75.0	75.0
48"	96"	75.0	135.0
51"		75.0	135.0
53–5/8"		75.0	135.0
54"		75.0	135.0
60"		75.0	135.0
66"		75.0	75.0
71–1/2"		75.0	75.0
48"	108"	75.0	135.0
51"		75.0	135.0
53–5/8"		75.0	135.0
54"		75.0	75.0
60"		75.0	75.0
66"		75.0	75.0
71–1/2"		75.0	75.0
48"	120"	75.0	75.0
51"		75.0	75.0
53–5/8"		75.0	75.0
54"		75.0	75.0
60"		75.0	75.0
66"		75.0	75.0
71–1/2"		75.0	75.0
48"	132"	75.0	75.0
51"		75.0	75.0
53–5/8"		75.0	75.0
54"		75.0	75.0
60"		75.0	75.0
66"		73.4	73.4
71–1/2"		69.7	69.7
48"	144"	75.0	75.0
51"		75.0	75.0
53–5/8"		75.0	75.0
54"		75.0	75.0
60"		70.2	70.2
66"		65.5	65.5
71–1/2"		62.0	62.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

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



A3, B3, C3 A4, B4, C4

ANCHORS TYPES: SEE SHEET 5 FOR DESCRIPTION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

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ANCHORS

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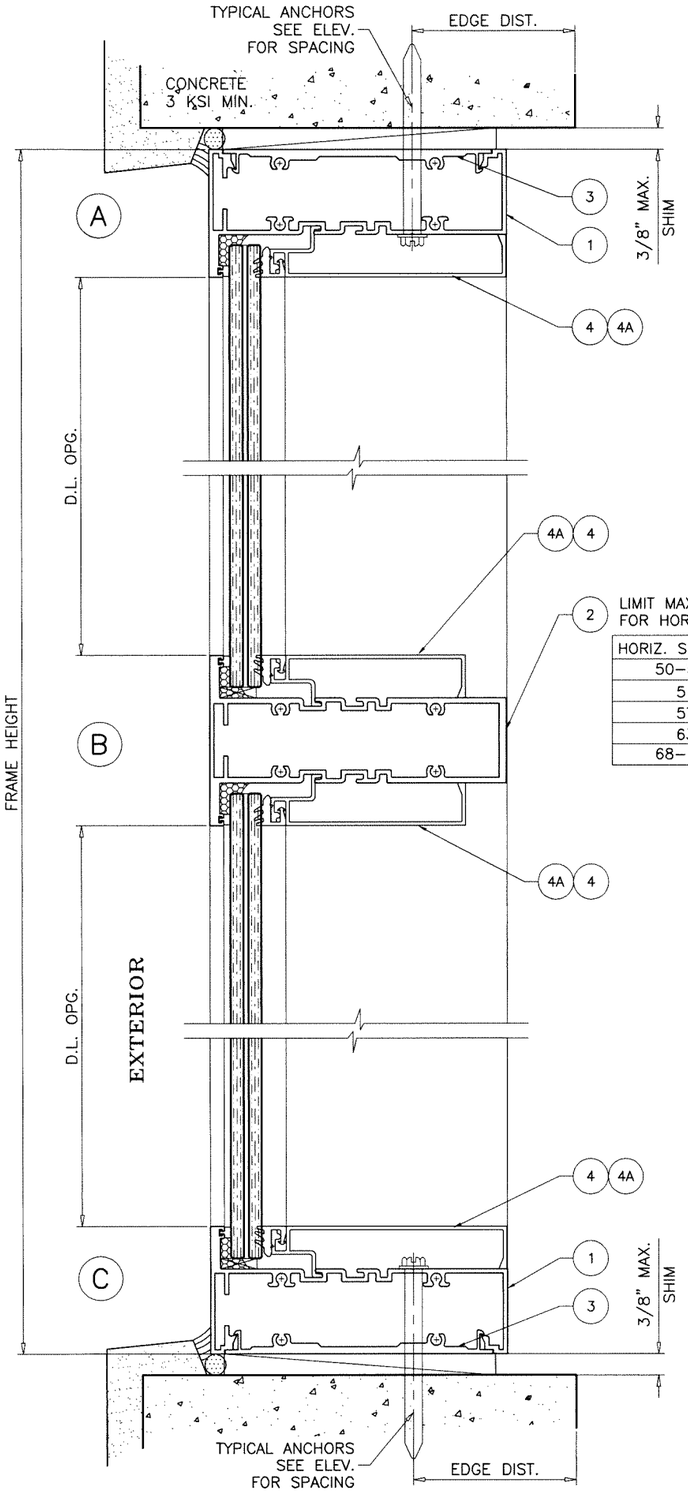

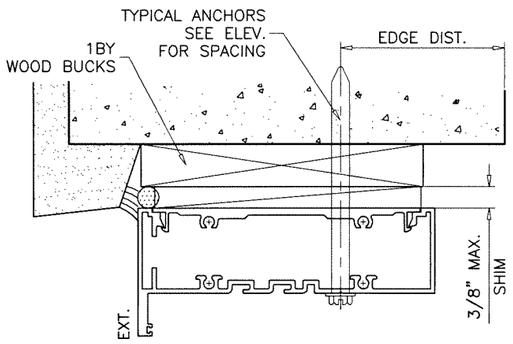

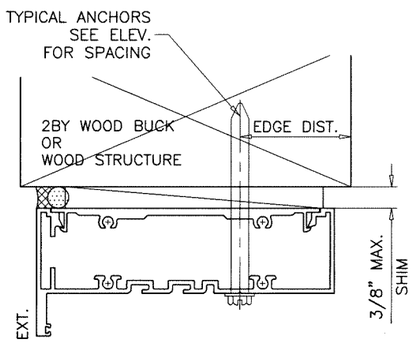

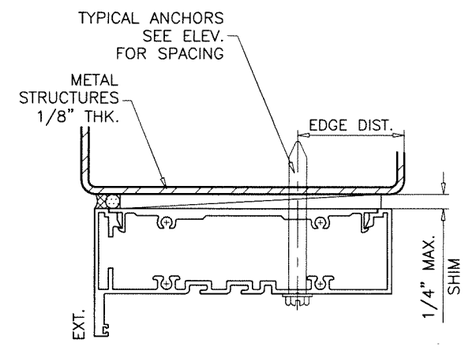

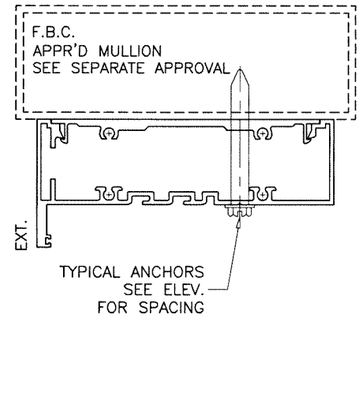

LIMIT MAX. DESIGN LOADS FOR HORIZONTAL AS FOLLOWS

HORIZ. SPAN MAX.	LOAD CAPACITY – PSF
50–5/8"	135.0
51"	134.0
57"	119.9
63"	108.5
68–1/2"	99.8

WOOD BUCKS AND METAL STRUCTURE NOT BY 'EMPIRE WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHOR 'A'– 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES
1–7/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS
1–3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1–3/4" MIN. EMBED INTO GROUT–FILLED BLOCKS (JAMBS)

ANCHOR 'B'– 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1–3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1–3/4" MIN. EMBED INTO GROUT–FILLED BLOCKS (JAMBS)

ANCHOR 'C'– 5/16" DIA. TEKS OR SELF–DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063–T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2–1/2" MIN.
INTO WOOD STRUCTURE = 1–1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C–90 GROUT–FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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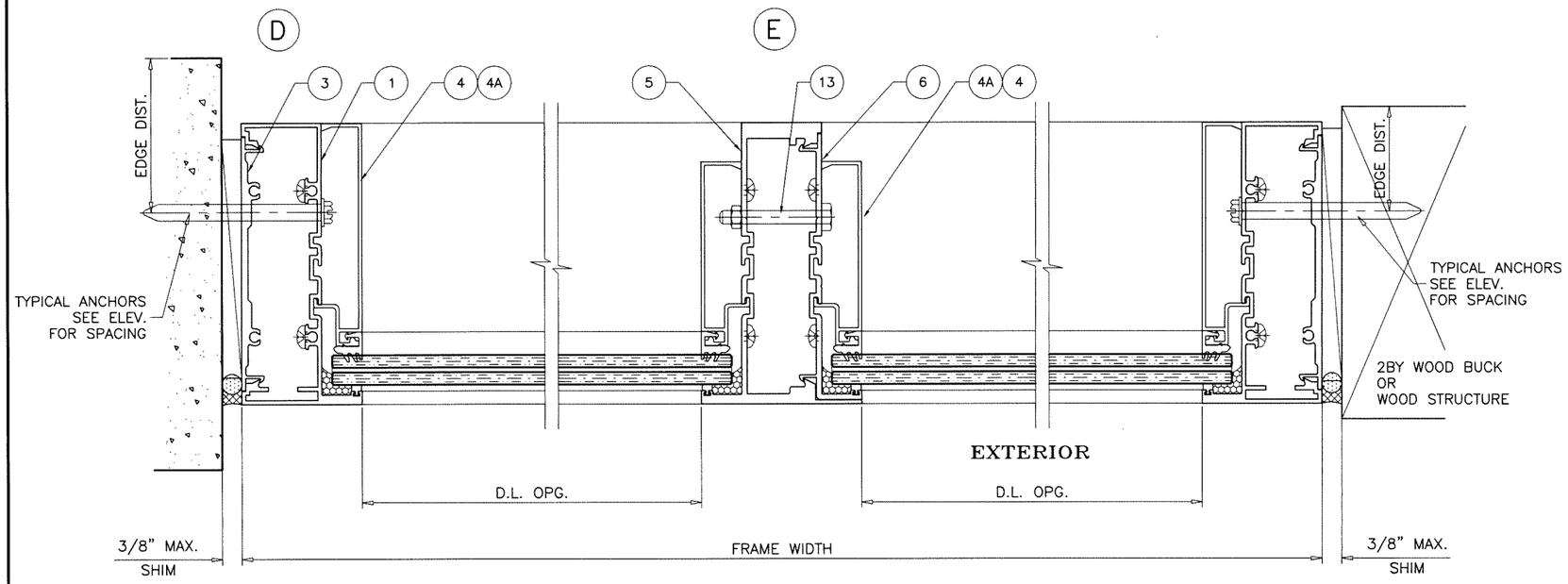

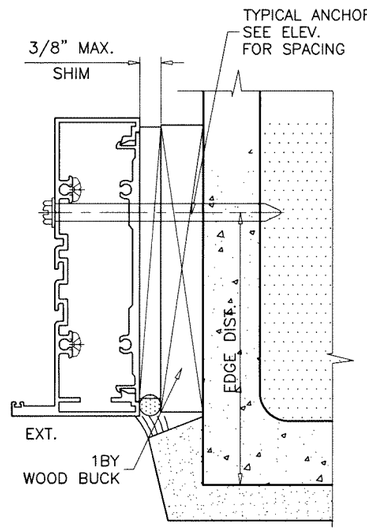

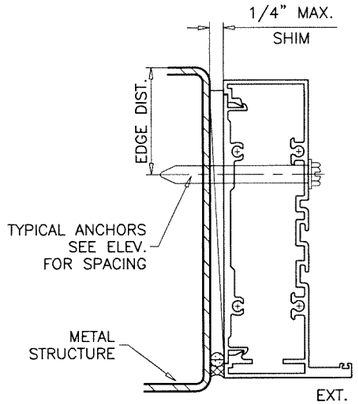

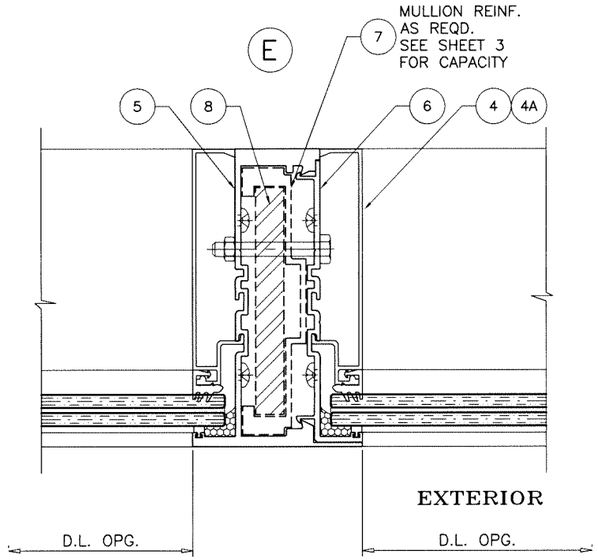

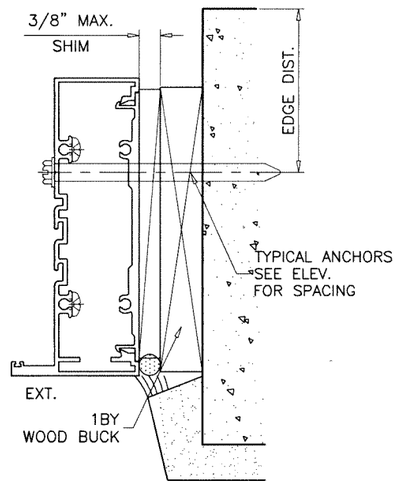

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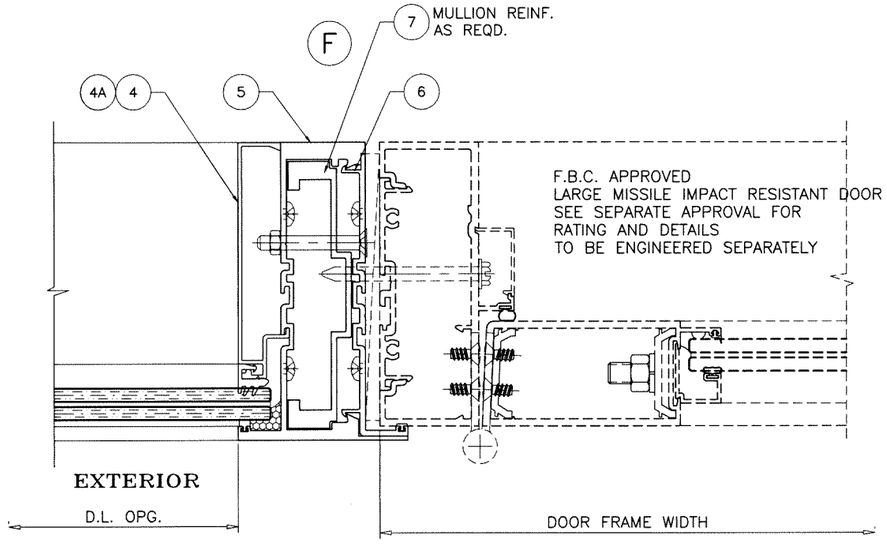
sheet 6 of 9



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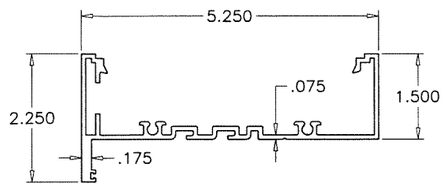
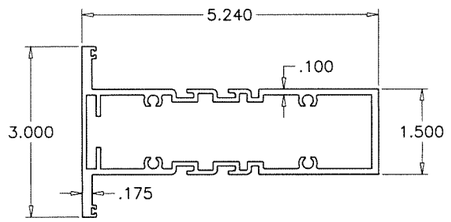
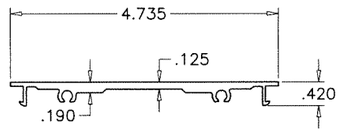


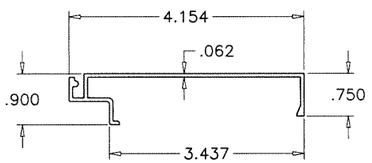
1 FRAME HEAD/SILL/JAMB



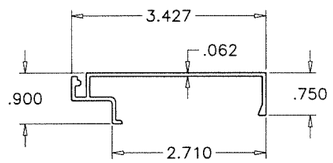
2 FRAME HORIZONTAL



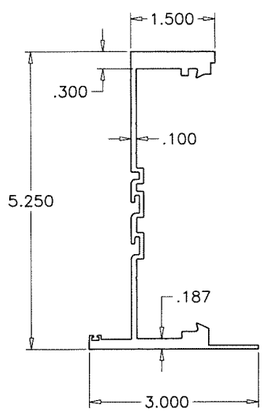
3 FLAT FILLER



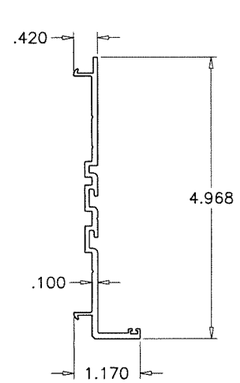
4 GLASS STOP



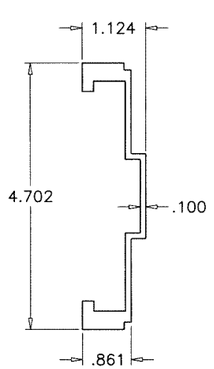
4A GLASS STOP



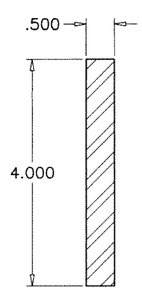
5 FRAME MULLION



6 POCKET FILLER



7 MULLION INSERT



8 MULLION REINF.

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E502	AS REQD.	FRAME HEAD/SILL/JAMB	6063–T6	–
2	E503	AS REQD.	FRAME HORIZONTAL	6063–T6	–
3	E505	AS REQD.	FLAT FILLER	6063–T6	–
4	E508	AS REQD.	GLASS STOP	6063–T6	–
4A	–	AS REQD.	GLASS STOP	6063–T6	–
5	E500	AS REQD.	FRAME MULLION	6063–T6	–
6	E501	AS REQD.	POCKET FILLER	6063–T6	–
7	E511	AS REQD.	MULLION INSERT	6063–T6	–
8	–	AS REQD.	MULLION REINF.	STEEL	–
9	G503	4/ LITE	EXTERIOR GLAZING GASKET	EPDM	–
10	G501	4/ LITE	INTERIOR GLAZING GASKET (7/16" GLASS)	EPDM	–
10A	G502	4/ LITE	INTERIOR GLAZING GASKET (9/16" GLASS)	EPDM	–
11	–	2/ LITE	SETTING BLOCKS, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
12	#14 X 1"	AS REQD.	ASSEMBLY FASTENERS	ST. STEEL	PH SMS
13	1/4–20 X 2"	AS REQD.	MULLION FASTENERS AT 6" FROM ENDS & 22" O.C.	ST. STEEL	HH MACHINE BOLT W/ NUT

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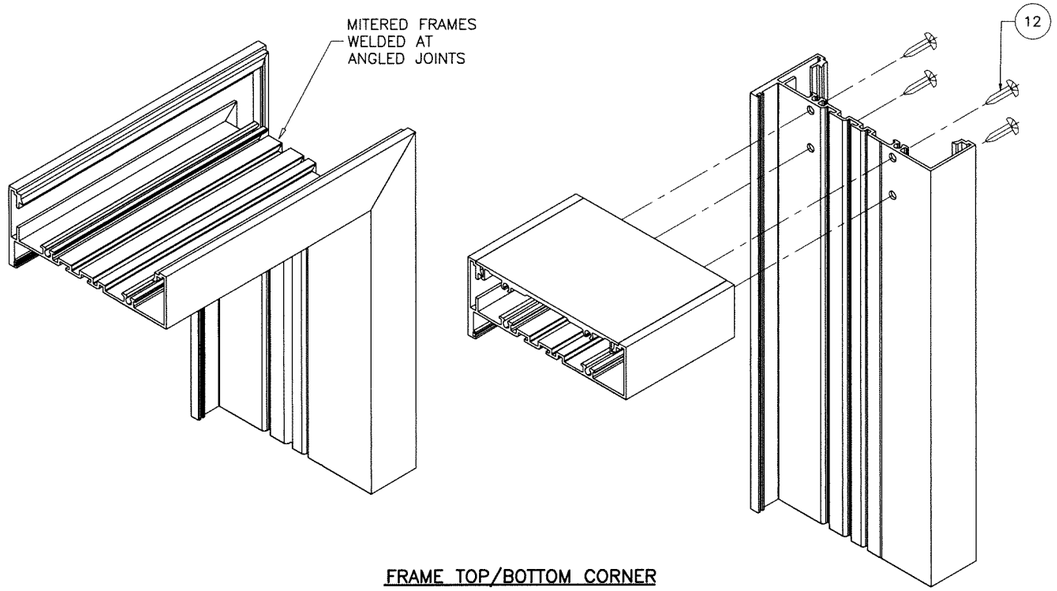
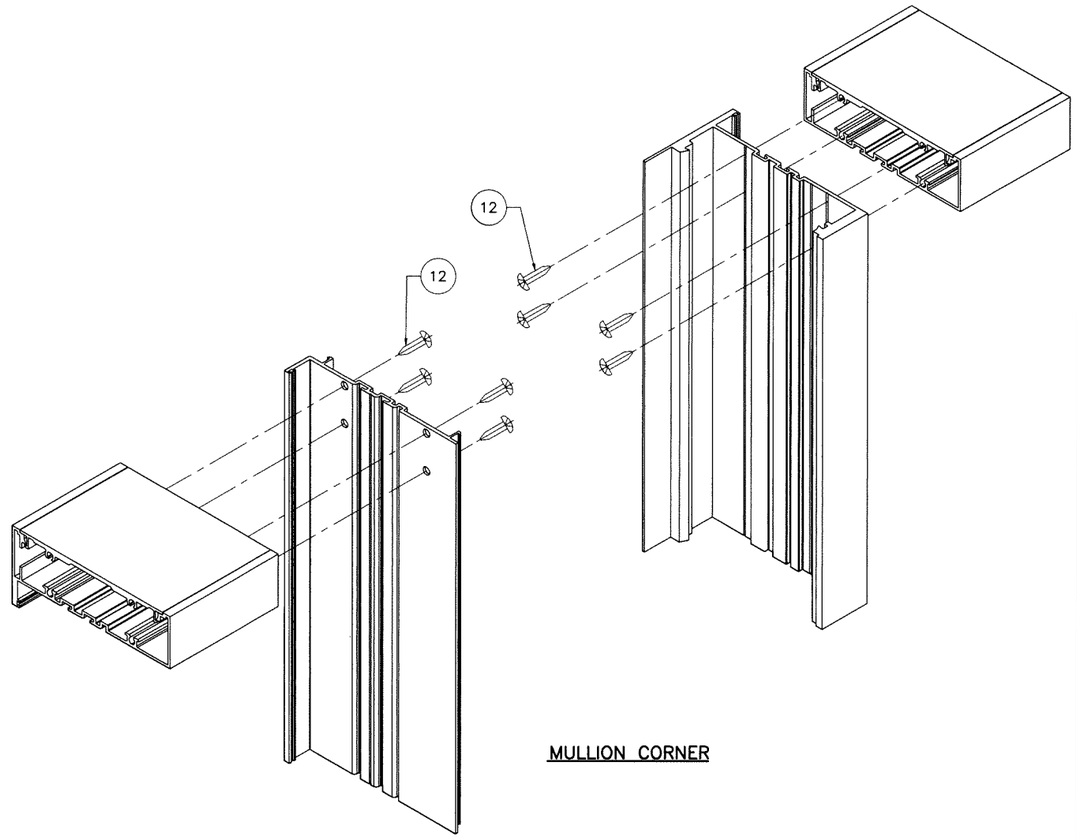
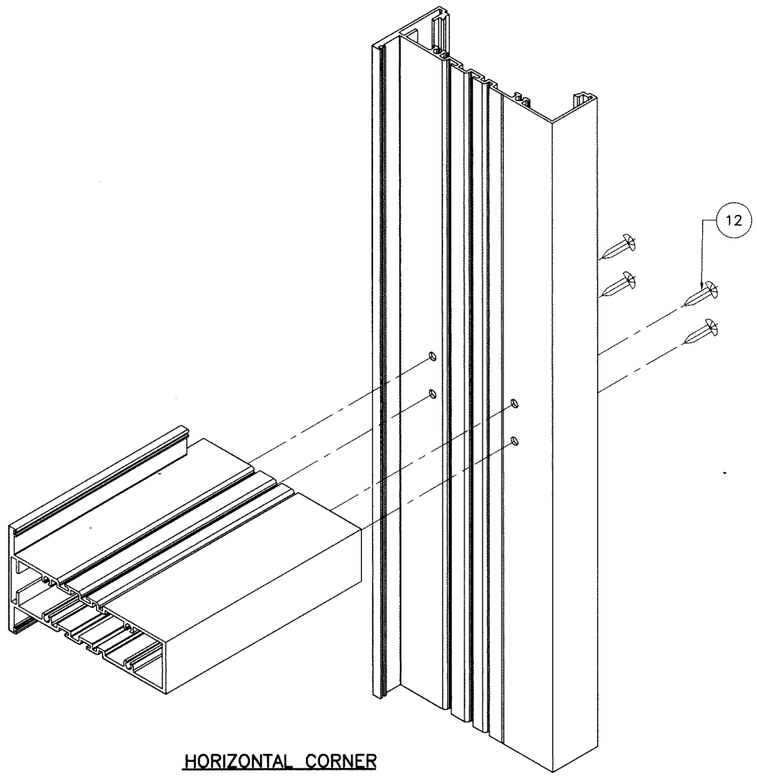


FRAME TOP/BOTTOM CORNER



MULLION CORNER



HORIZONTAL CORNER

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