

TYPICAL ELEVATIONS

**RAMPART SERIES 5500
ALUMINUM WINDOW WALL SYSTEM (L.M.I.)**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH 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 2014 FLORIDA BUILDING 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.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1710.8.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1710.8.2.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 3** CHECK DESIGN LOAD CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 2 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHARTS ON SHEET 2 SELECT ANCHOR OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 6** FOR SYSTEMS WITH UNANCHORED JAMBS, USING SHEET 4, DETERMINE THE MIN. & MAX. GAP DIMENSIONS.

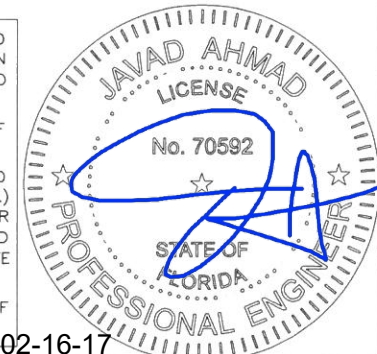
DAYLITE OPENINGS SINGLE 'O' PANEL:

DLO WIDTH = FRAME WIDTH - 4.50"
DLO HEIGHT = FRAME HEIGHT - 5.50"

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

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

FL #21899



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AL-FAROOQ CORPORATION
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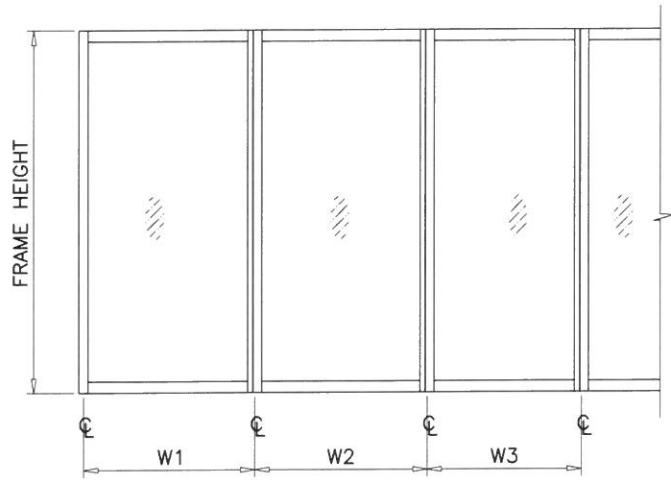
RAMPART SERIES 5500 WINDOW WALL (L.M.I.)
EGS INTERNATIONAL, LLC
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 PEMBROKE PARK, FL. 33009
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revisions:	no	date	by	description

date: 11-05-16
 scale: 1/2"=1'-0"
 dr. by: TARIQ
 chk. by:

drawing no.
W16-66
 sheet 1 of 6

DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		MULLION 'M1'		MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	96"	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		90.9	100.0	90.9	100.0
72"		83.3	100.0	83.3	100.0
36"	102"	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		90.9	100.0	90.9	100.0
70"		83.3	100.0	83.3	100.0
36"	108"	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		90.9	100.0	90.9	100.0
36"	114"	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
63"		90.9	100.0	90.9	100.0
36"	120"	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0



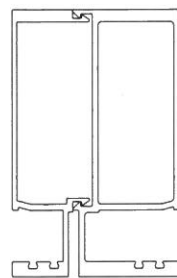
WIDTH (W) = W1
AT FRAME JAMB

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

JAMB/MULLION ANCHOR LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	72"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		94.0	100.0	100.0
66"		85.5	100.0	100.0
72"		78.3	100.0	94.0
36"	78"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		96.4	100.0	100.0
60"		86.8	100.0	100.0
66"		78.9	100.0	94.7
72"		72.3	100.0	86.8
36"	84"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		89.5	100.0	100.0
60"		80.6	100.0	96.7
66"		73.2	100.0	87.9
72"		67.1	100.0	80.6
36"	90"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		94.0	100.0	100.0
54"		83.6	100.0	100.0
60"		75.2	100.0	90.2
66"		68.4	100.0	82.0
72"		62.7	100.0	75.2

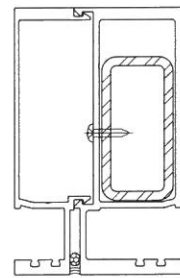
JAMB/MULLION ANCHOR LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	96"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		88.1	100.0	100.0
54"		78.3	100.0	94.0
60"		70.5	100.0	84.6
66"		64.1	100.0	76.9
72"		58.8	100.0	70.5
36"	102"	100.0	100.0	100.0
42"		94.8	100.0	100.0
48"		82.9	100.0	99.5
54"		73.7	100.0	88.5
60"		66.4	100.0	79.6
66"		60.3	100.0	72.4
36"		108"	100.0	100.0
42"	89.5		100.0	100.0
48"	78.3		100.0	94.0
54"	69.6		100.0	83.6
60"	62.7		100.0	75.2
66"	57.0		100.0	68.4
36"	114"		98.9	100.0
42"		84.8	100.0	100.0
48"		74.2	100.0	89.1
60"		59.4	100.0	71.2
36"	120"	94.0	100.0	100.0
42"		80.6	100.0	96.7
48"		70.5	100.0	84.6
60"		62.7	100.0	75.2

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.
SEE SHEET 3 FOR ANCHOR DESCRIPTION.



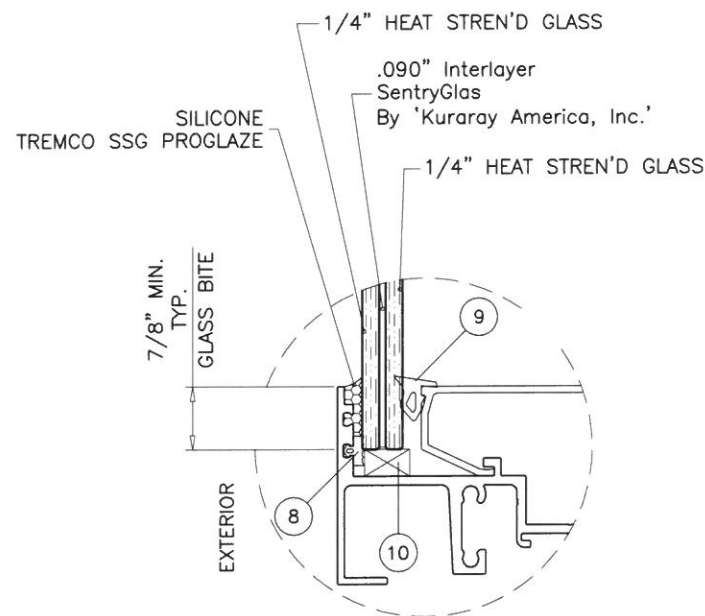
MULLION 'M1'

Ix IN ⁴	Sx IN ³
15.440	5.50



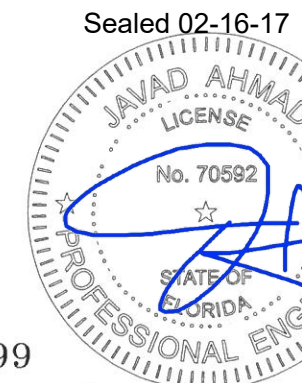
MULLION 'M2'

	Ix IN ⁴	Sx IN ³
ALUMINUM	15.440	5.50
STEEL	1.05	.940
TOTAL Ix ALUM + Ix STL X 2.9	18.485	



GLAZING DETAIL

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



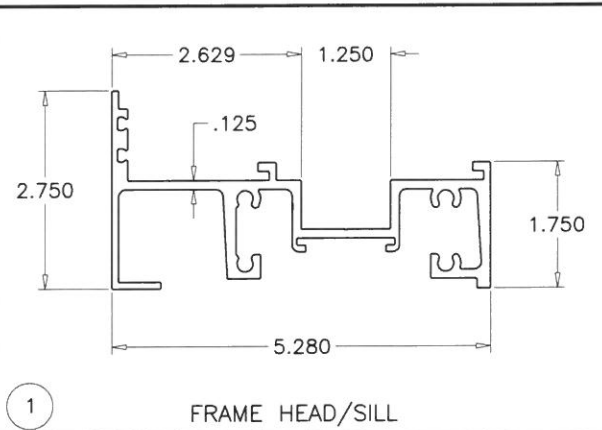
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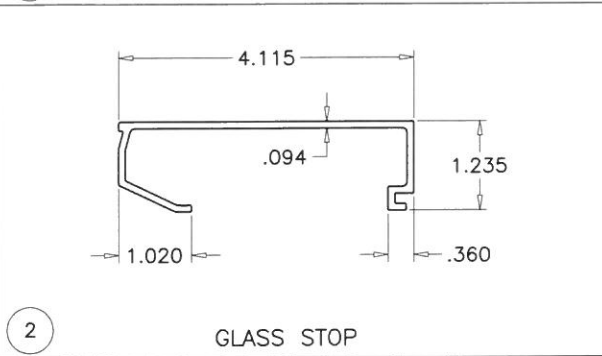
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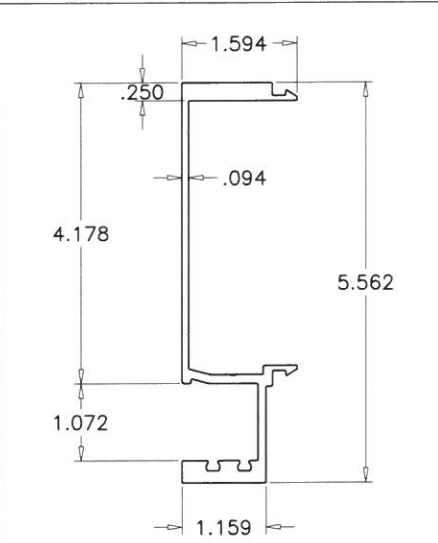
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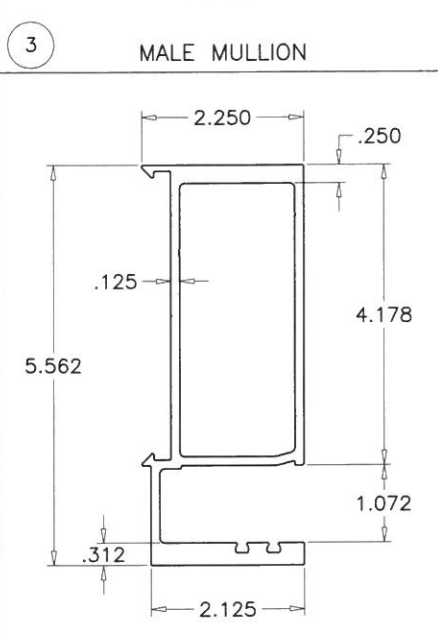
1 FRAME HEAD/SILL



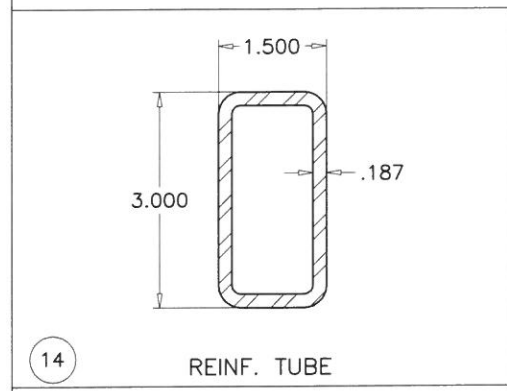
2 GLASS STOP



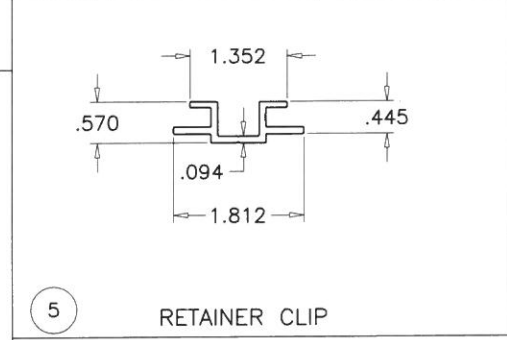
3 MALE MULLION



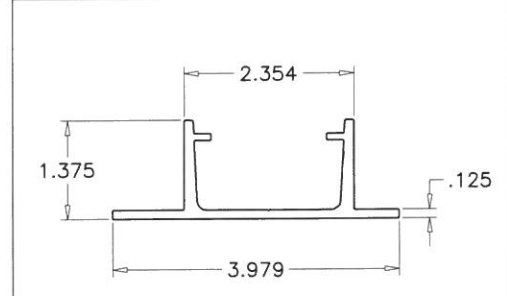
4 JAMB/FEMALE MULLION



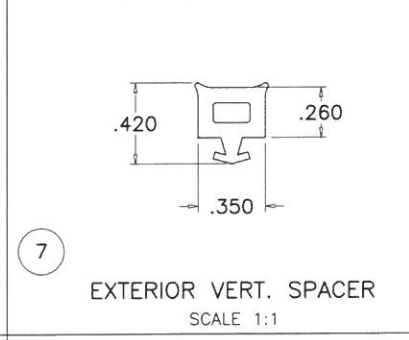
14 REINF. TUBE



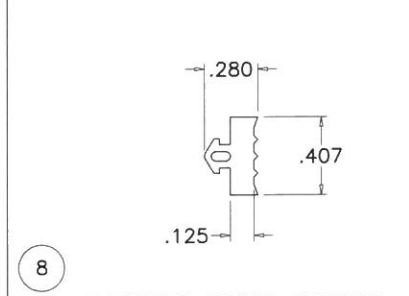
5 RETAINER CLIP



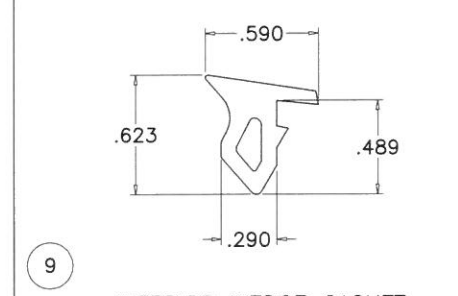
6 ANCHOR CLIP



7 EXTERIOR VERT. SPACER
SCALE 1:1



8 EXTERIOR HORIZ. SPACER
SCALE 1:1



9 INTERIOR WEDGE GASKET
SCALE 1:1

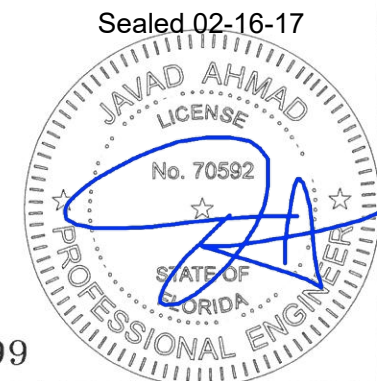
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	EGS-F3	AS REQD.	FRAME HEAD/SILL	6063-T6	-
2	EGS-F4	AS REQD.	GLASS STOP	6063-T5	-
3	EGS-F2	AS REQD.	MALE MULLION	6005-T5	-
4	EGS-F1	AS REQD.	JAMB/FEMALE MULLION	6005-T5	-
5	EGS-F6	AS REQD.	ADJUSTMENT RETAINER CLIP, 3" LONG	6063-T5	-
6	EGS-F5	AS REQD.	ANCHOR CLIP, 12" LONG	6005-T5	-
7	EGS-F7	AS REQD.	EXTERIOR VERT. SPACER	EPDM	TREMCO, DUROMETER 60±5 SHORE A
8	EGS-F8	AS REQD.	EXTERIOR HORIZ. SPACER	EPDM	TREMCO, DUROMETER 70±5 SHORE A
9	EGS-F9	AS REQD.	INTERIOR WEDGE GASKET	EPDM	TREMCO, DUROMETER 70±5 SHORE A
10	EGS-F10	AS REQD.	SETTING BLOCKS AT 1/4 POINTS, 4" LONG	EPDM	GLAZING RUBBER, DUROMETER 80±5 SHORE A
11	3/8-16 X 1-3/4"	1/ CLIP	ADJUSTMENT FASTENER AT SILL	ST. STEEL	-
12	3/8"	1/ CLIP	NYLON LOCK HEX NUT AT SILL	ST. STEEL	-
13	#14 X 1-1/2"	4/ CORNER	ASSEMBLY FASTENERS	ST. STEEL	PH PHIL. SMS
14	HSS3X1-1/2	AS REQD.	REINFORCING TUBE (LENGTH = 2/3 OF MULL HT.)	STEEL	A36
15	#12 X 3/4" TEKS	AS REQD.	REINFORCEMENT TUBE FASTENERS	ST. STEEL	(2) AT EACH END & (1) AT 15" O.C. IN BETWEEN
16	EGS-F12	AS REQD.	3/4" X 3/4" X .062" ANGLE	ALUM	AT TOP & BOTTOM OF JAMBS & MULLIONS
17	EGS-F11	AS REQD.	4" LONG GLASS SPACER, 6" FROM TOP & BOTTOM	EPDM	DUROMETER 80±5 SHORE A

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date: 11-05-16
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 dr. by: TARIQ
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 drawing no. W16-66
 sheet 5 of 6



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