

SERIES MG-1000 (L.M.I.)
ALUMINUM SLIDING GLASS DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH 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 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** DETERMINE DOOR CAPACITY FROM TABLE ON SHEETS 5 & 6 FOR THE GLASS TYPE USED.
- STEP 3** USING CHARTS ON SHEET 7 SELECT HEAD ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 5** FOR DOORS WITH UNANCHORED JAMBS, USING SHEET 12 DETERMINE MIN. AND MAX. GAP DIMENSIONS.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Sealed: 2/16/2021

FL #19092

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.

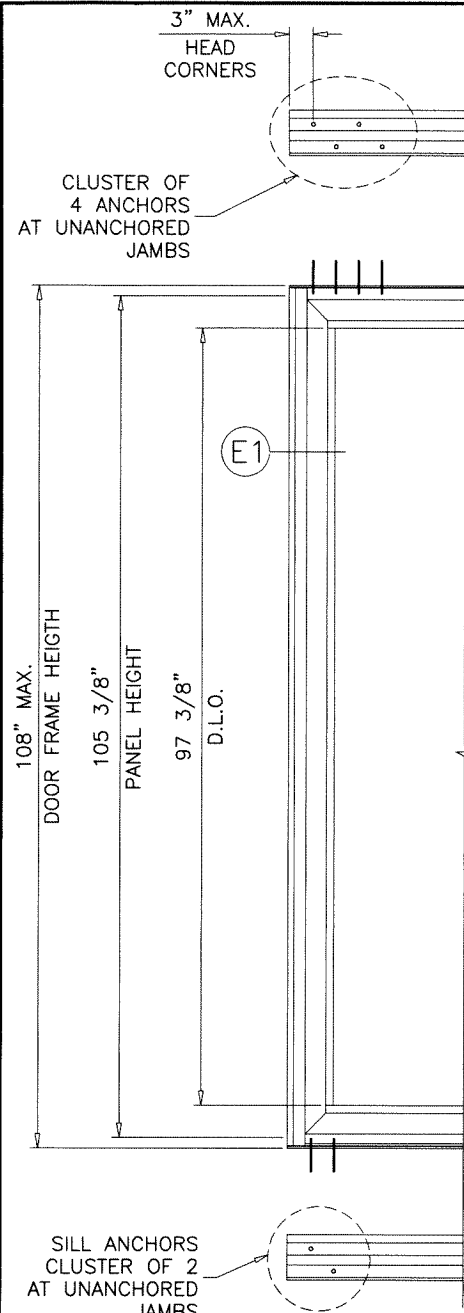
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT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



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978		a f c	
MG-1000 ALUM SLIDING GLASS DOOR (L.M.I.)		MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, FL. 33166 Tel. (305) 764-3963 Fax. (305) 470-8285	
revisions:	no. date	by	description
	A 11.17.15		GENERAL REVISION
	B 03.01.16		ANCHOR CHART REV.
	C 01.19.18		UPDATED TO 2017 FBC
	D 01.21.21		GENERAL REVISION
date:	10-28-15	scale:	3/8" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.		W15-83	
sheet 1 of 17			

COMP-ANL\W15-83MG



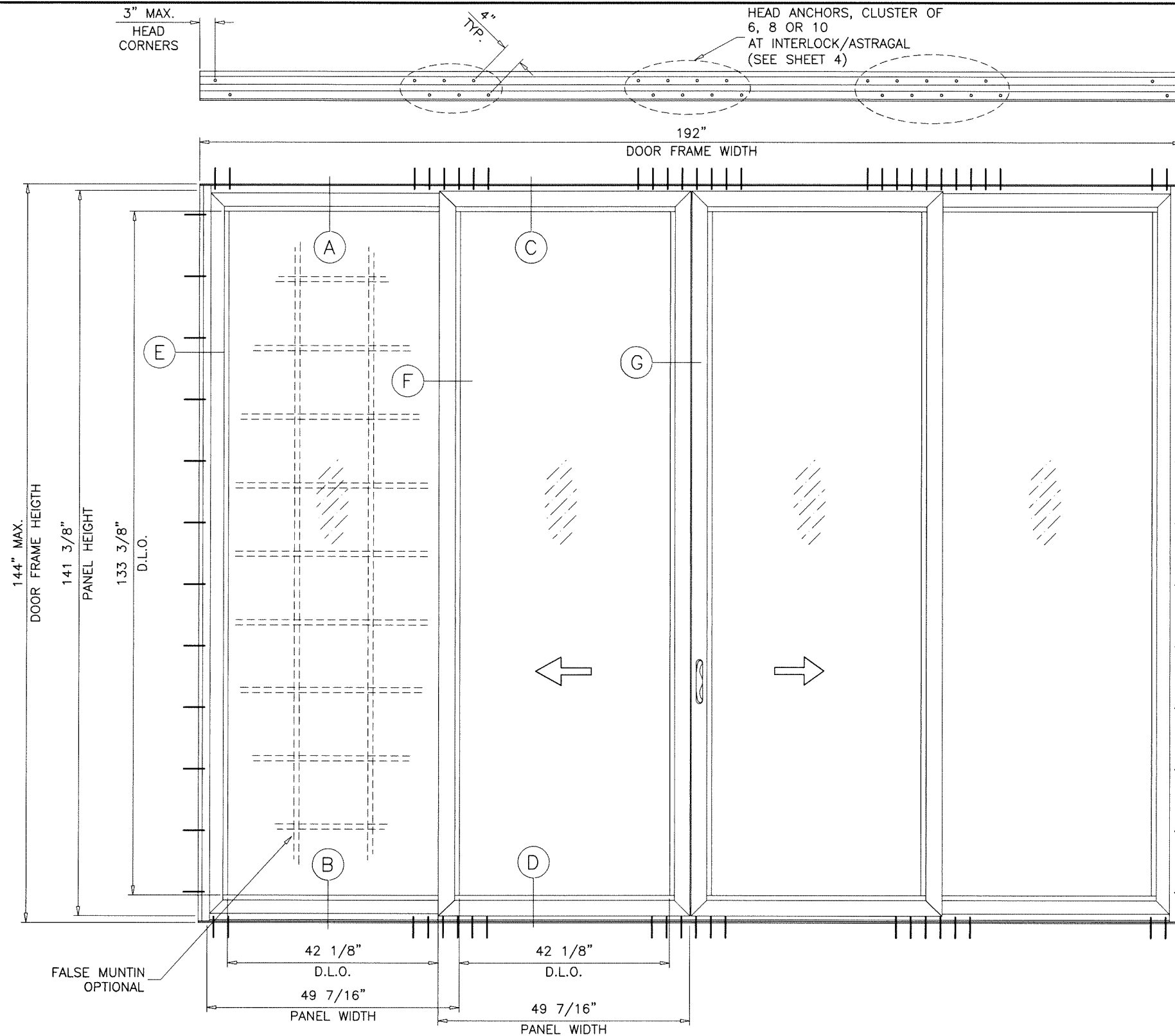
JAMB OPTION W/O ANCHORS
 (108" MAX. DOOR HEIGHT)
 (MAX. DESIGN LOADS = ±100.0 PSF)

DAYLITE OPENINGS WIDTHS:
 PANEL WIDTH - 7.313"

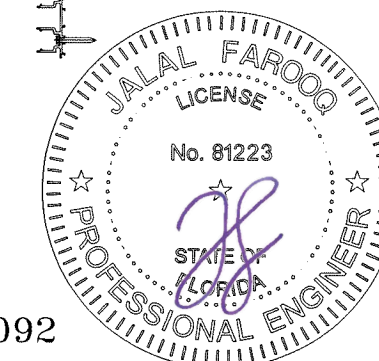
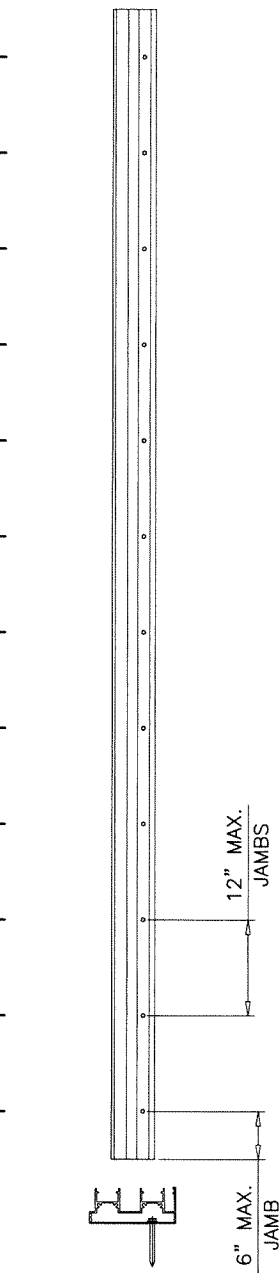
DAYLITE OPENING HEIGHT:
 PANEL HEIGHT - 8.0"

PANEL HEIGHT = DOOR FRAME HEIGHT - 2.625"

MAX. FRAME AREA OF S.G.D. SHALL NOT EXCEED FRAME AND PANEL AREA OF TESTED UNIT PER FBC REQUIREMENTS.



TYPICAL ELEVATION
 TESTED UNIT
 (NON-POCKETED DOOR)



Sealed: 2/16/2021

FL #19092

al-farooq
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 (C.A.N. 3538)

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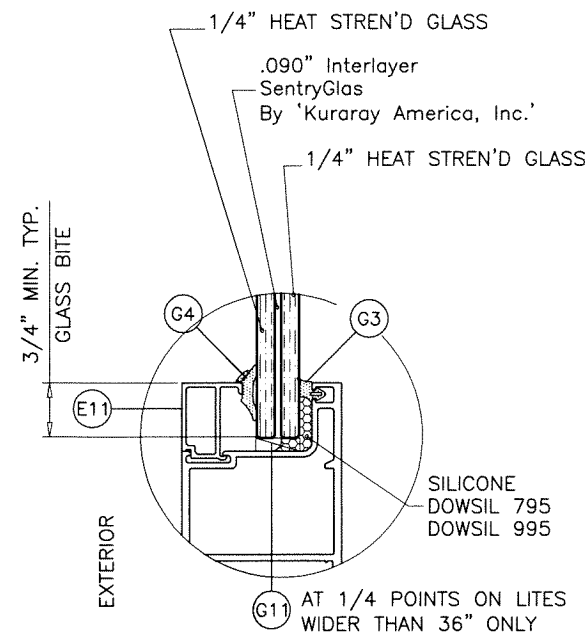
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 dr. by: TARIQ
 chk. by:

drawing no.

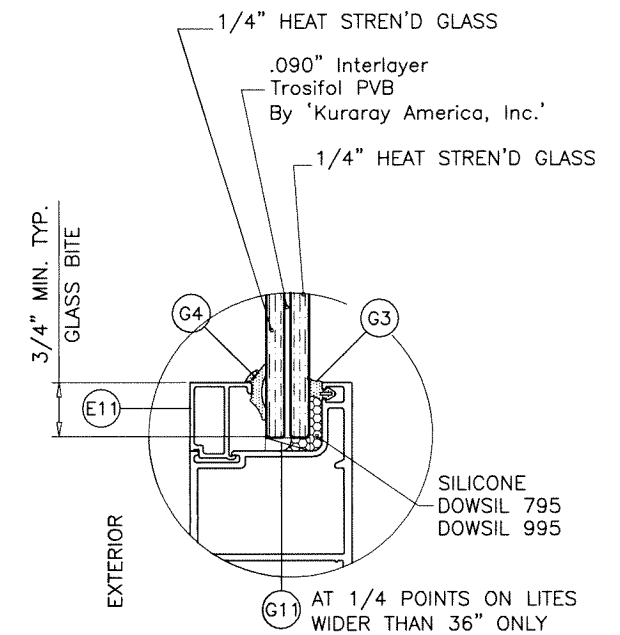
W15-83

sheet 2 of 17

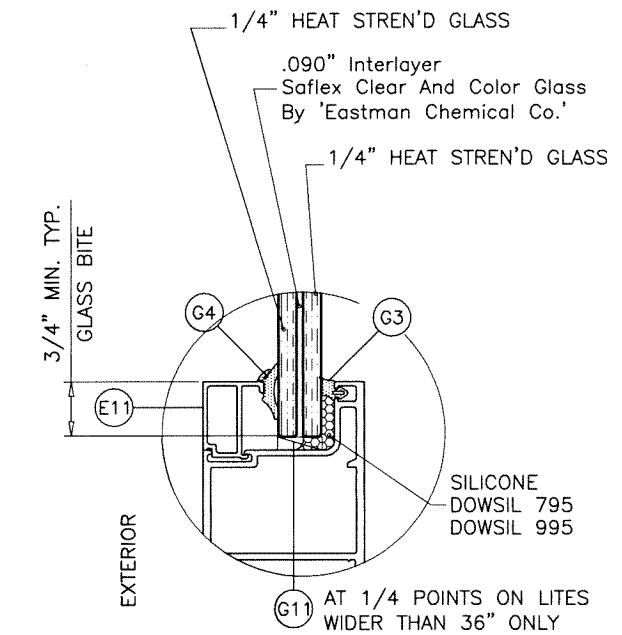
COMP-ANL\W15-83MG



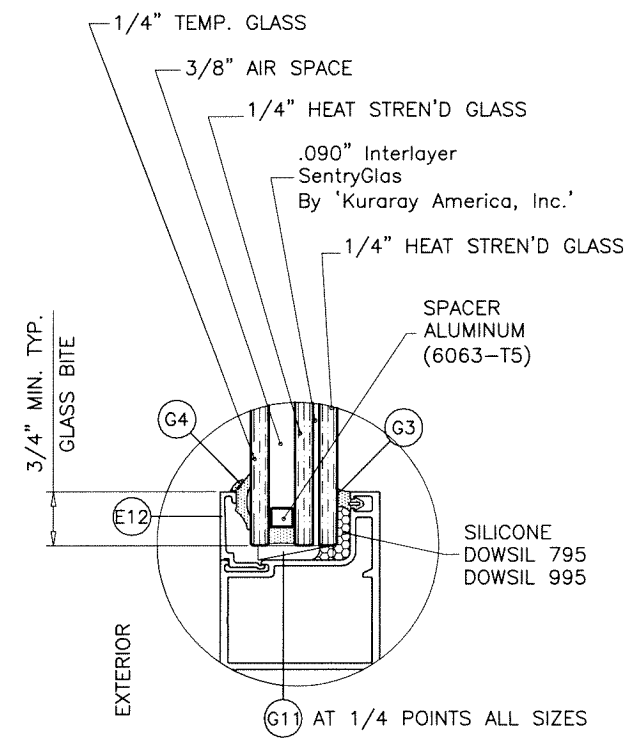
GLASS TYPE 'A'
9/16" OVERALL LAMINATED GLASS



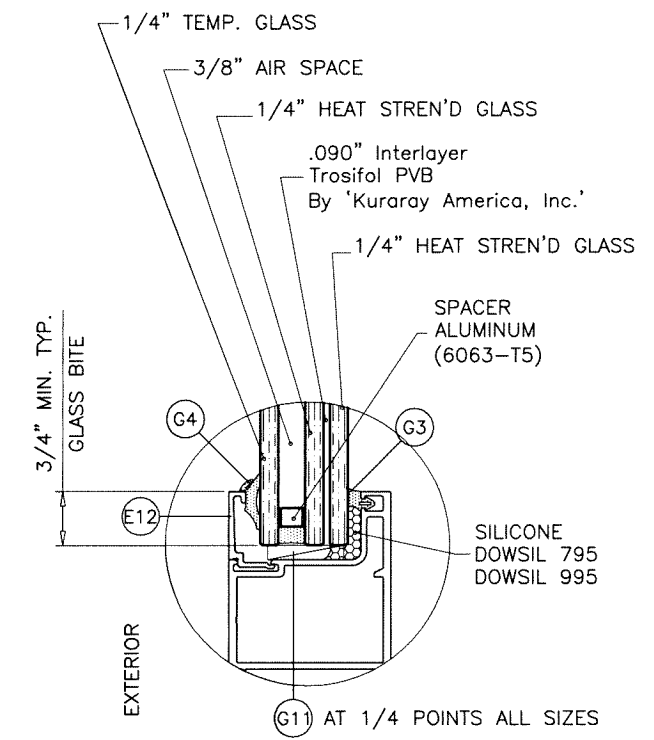
GLASS TYPE 'B'
9/16" OVERALL LAMINATED GLASS



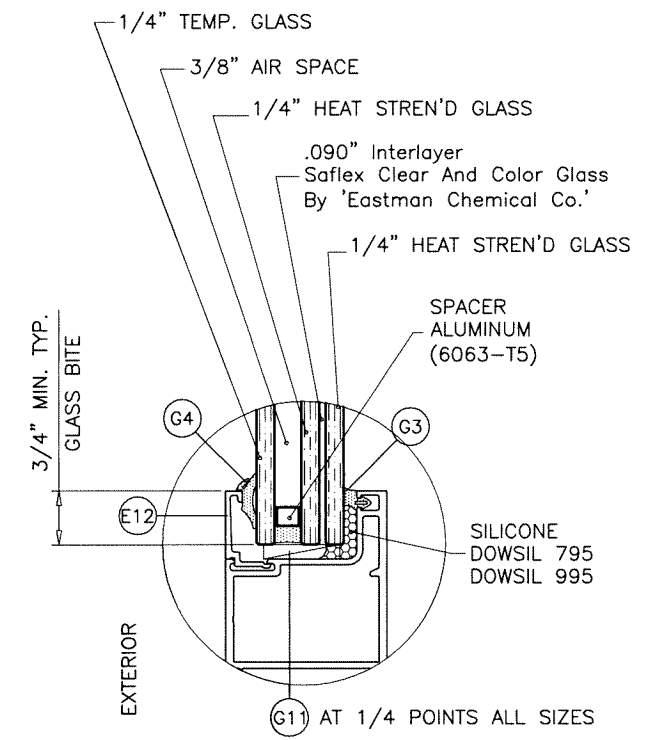
GLASS TYPE 'C'
9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'AI'
1-3/16" OVERALL INSUL. LAM. GLASS



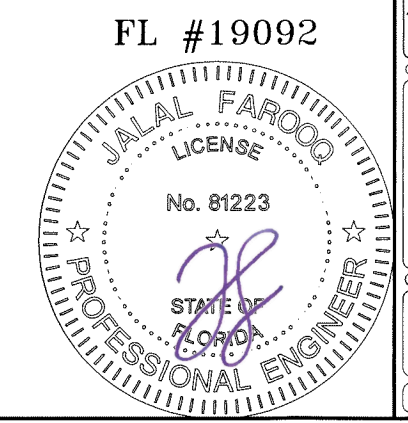
GLASS TYPE 'BI'
1-3/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'CI'
1-3/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

Sealed: 2/16/2021



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COMP-ANL W15-83MG

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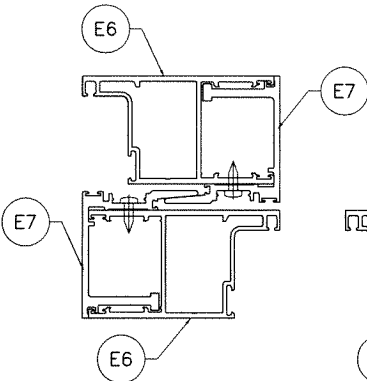
FL #19092

revisions:	
no	description

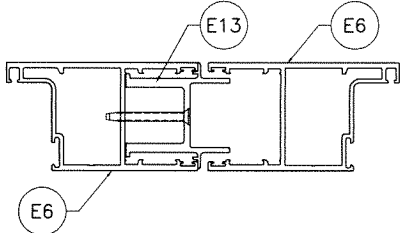
date: 10-28-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no. W15-83			
sheet 4 of 17			

DESIGN LOAD CAPACITY - PSF											
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	JAMBS W/O ANCHORS				JAMBS WITH ANCHORS					
		STD. INTERLOCK STD. ASTRAGAL				STD. INTERLOCK STD. ASTRAGAL				STD. INTERLOCK REINF. ASTRAGAL	
		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1' 'C' & 'C1'		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1' 'C' & 'C1'		GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	82-7/8	100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
36		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
42		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
48		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
54		88.9	88.9	71.1	71.1	88.9	88.9	80.0	80.0	106.7	124.4
60		80.0	80.0	-	-	80.0	80.0	-	-	96.0	112.0
30	84	100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
36		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
42		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
48		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
54		88.9	88.9	71.1	71.1	88.9	88.9	80.0	80.0	106.7	124.4
60		80.0	80.0	-	-	80.0	80.0	-	-	96.0	112.0
30	90	100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
36		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
42		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
48		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
54		88.9	88.9	-	-	88.9	88.9	-	-	106.7	124.4
60		-	-	-	-	-	-	-	-	96.0	112.0
30	96	100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
36		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
42		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
48		100.0	100.0	80.0	80.0	100.0	100.0	80.0	80.0	120.0	140.0
54		88.9	88.9	-	-	88.9	88.9	-	-	106.7	124.4
60		-	-	-	-	-	-	-	-	96.0	112.0
30	102	100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
36		100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
42		100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
48		100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
50		-	-	-	-	-	-	-	-	115.2	134.4
52		-	-	-	-	-	-	-	-	110.8	129.2
54		-	-	-	-	-	-	-	-	106.7	124.4
56		-	-	-	-	-	-	-	-	102.9	120.0
30	108	100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
36		100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
42		100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
48		100.0	100.0	-	-	100.0	100.0	-	-	120.0	140.0
50		-	-	-	-	-	-	-	-	115.2	134.4
52		-	-	-	-	-	-	-	-	110.8	129.2
30	114	-	-	-	-	-	-	-	-	120.0	140.0
36		-	-	-	-	-	-	-	-	120.0	140.0
42		-	-	-	-	-	-	-	-	120.0	140.0
48		-	-	-	-	-	-	-	-	120.0	140.0
50		-	-	-	-	-	-	-	-	115.2	134.4
30	120	-	-	-	-	-	-	-	-	120.0	140.0
36		-	-	-	-	-	-	-	-	120.0	140.0
42		-	-	-	-	-	-	-	-	120.0	140.0
48		-	-	-	-	-	-	-	-	120.0	140.0
50		-	-	-	-	-	-	-	-	120.0	140.0

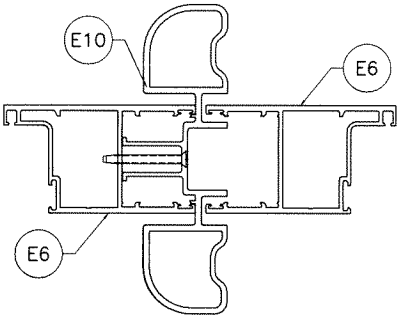
EXTERIOR(+) LOADS SHOWN IN CHART ABOVE ARE FOR ALL DOOR CONFIGURATIONS EXCEPT TWO PANEL (XX) DOORS
SEE SHEET 10 FOR TWO PANEL (XX) DOOR LIMITATIONS.



STD. INTERLOCK

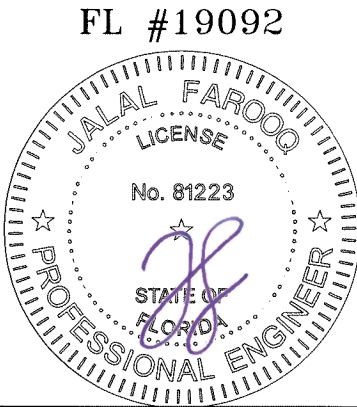


STD. ASTRAGAL



REINF. ASTRAGAL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

Sealed: 2/16/2021

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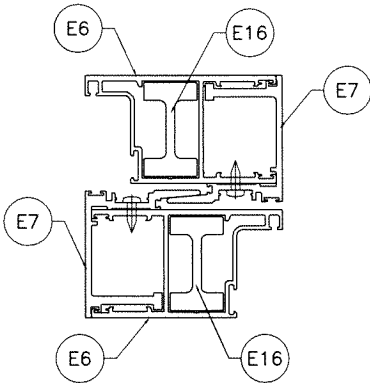
revisions:	no	date	by	description

date: 10-28-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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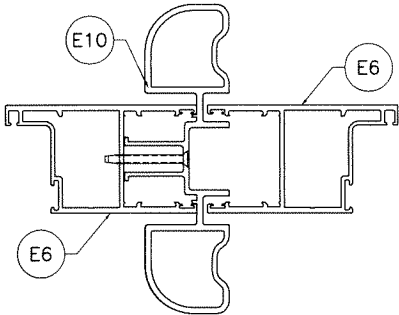
drawing no.
W15-83
sheet 5 of 17

DESIGN LOAD CAPACITY – PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	JAMBS WITH ANCHORS	
		REINF. INTERLOCK REINF. ASTRAGAL	
		GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(–)
72	96	65.0	75.0
67	102	65.0	75.0
70		65.0	70.0
64	108	65.0	75.0
66		65.0	70.0
54	114	65.0	75.0
60		65.0	75.0
54	120	65.0	75.0
60		65.0	75.0
30	132	65.0	75.0
36		65.0	75.0
42		65.0	75.0
48		65.0	75.0
30	144	65.0	75.0
36		65.0	75.0
42		65.0	75.0
48		65.0	75.0

AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$



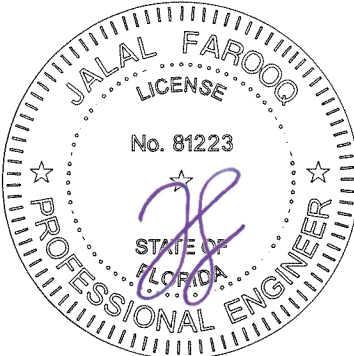
REINF. INTERLOCK



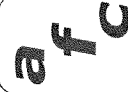
REINF. ASTRAGAL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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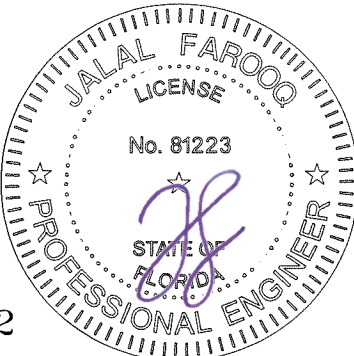
date:	10-28-15
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dr. by:	TARIQ
chk. by:	

drawing no.	W15-83
sheet	6 of 17

COMP-ANL\W15-83MG

HEAD ANCHOR LOAD CAPACITY - PSF											
SHIM SPACE		1/2" MAX. SHIM			3/8" MAX. SHIM				1/4" MAX. SHIM		
ANCHOR TYPE		ANCHOR TYPES 'A', 'B' & 'C'			ANCHOR TYPE 'A'		ANCHORS 'B' & 'C'		ANCHOR TYPE 'A'		ANCHORS 'B' & 'C'
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	10 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	82-7/8	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		128.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		114.3	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
60		102.9	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
30	84	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		126.9	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		112.8	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
60		101.5	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
30	90	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		135.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		118.4	140.0	140.0	136.8	140.0	140.0	140.0	136.8	140.0	140.0
54		105.2	124.4	124.4	121.6	124.4	124.4	124.4	121.6	124.4	124.4
60		94.7	112.0	112.0	109.4	112.0	112.0	112.0	109.4	112.0	112.0
30	96	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		126.9	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		111.0	140.0	140.0	128.3	140.0	139.4	140.0	128.3	140.0	140.0
54		98.7	124.4	124.4	114.0	124.4	123.9	124.4	114.0	124.4	124.4
60		88.8	112.0	112.0	102.6	112.0	111.5	112.0	102.6	112.0	112.0
72		74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
30	102	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		139.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		119.4	140.0	140.0	137.9	140.0	140.0	140.0	137.9	140.0	140.0
48		104.5	139.3	140.0	120.7	140.0	131.2	140.0	120.7	140.0	140.0
50		100.3	133.7	134.4	115.9	134.4	125.9	134.4	115.9	134.4	134.4
52		96.4	128.6	129.2	111.4	129.2	121.1	129.2	111.4	129.2	129.2
54		92.9	123.8	124.4	107.3	124.4	116.6	124.4	107.3	124.4	124.4
56		89.5	119.4	120.0	103.5	120.0	112.4	120.0	103.5	120.0	120.0
60		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
70		71.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
30	108	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		131.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		112.8	140.0	140.0	130.3	140.0	140.0	140.0	130.3	140.0	140.0
48		98.7	131.6	140.0	114.0	140.0	123.9	140.0	114.0	140.0	140.0
50		94.7	126.3	134.4	109.4	134.4	118.9	134.4	109.4	134.4	134.4
52		91.1	121.4	129.2	105.2	129.2	114.3	129.2	105.2	129.2	129.2
54		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
56		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60		71.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
66		71.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
30	114	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		124.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		106.8	140.0	140.0	123.4	140.0	134.1	140.0	123.4	140.0	140.0
48		93.5	124.6	140.0	108.0	140.0	117.3	140.0	108.0	140.0	140.0
50		89.7	119.6	134.4	103.7	134.4	112.7	134.4	103.7	134.4	134.4
54		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

HEAD ANCHOR LOAD CAPACITY - PSF											
SHIM SPACE		1/2" MAX. SHIM			3/8" MAX. SHIM				1/4" MAX. SHIM		
ANCHOR TYPE		ANCHOR TYPES 'A', 'B' & 'C'			ANCHOR TYPE 'A'		ANCHORS 'B' & 'C'		ANCHOR TYPE 'A'		ANCHORS 'B' & 'C'
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	10 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	120	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
36		118.4	140.0	140.0	136.8	140.0	140.0	140.0	136.8	140.0	140.0
42		101.5	135.3	140.0	117.3	140.0	127.4	140.0	117.3	140.0	140.0
48		88.8	118.4	140.0	102.6	136.8	111.5	140.0	102.6	136.8	140.0
54		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60		71.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
30	132	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
48		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
30	144	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
48		74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0



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FL #19092

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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(C.A.N. 3538)

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revisions:

no	date	by	description

date: 10-28-15

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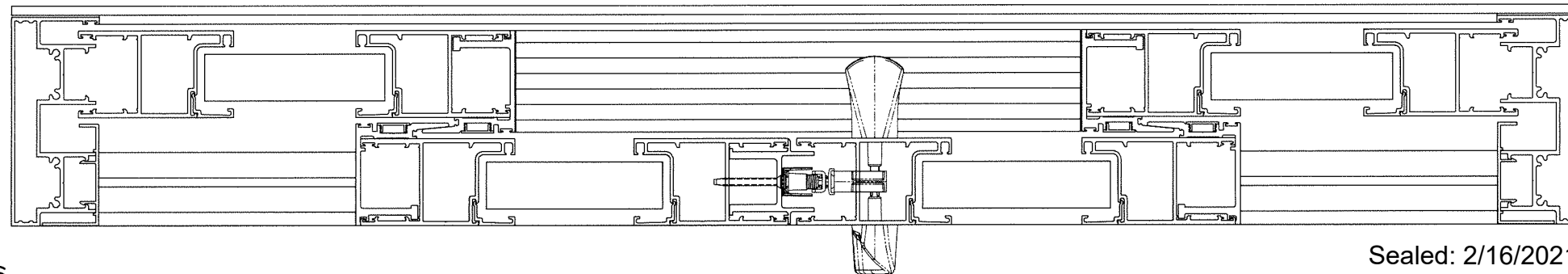
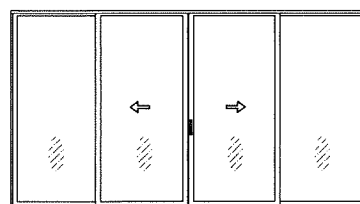
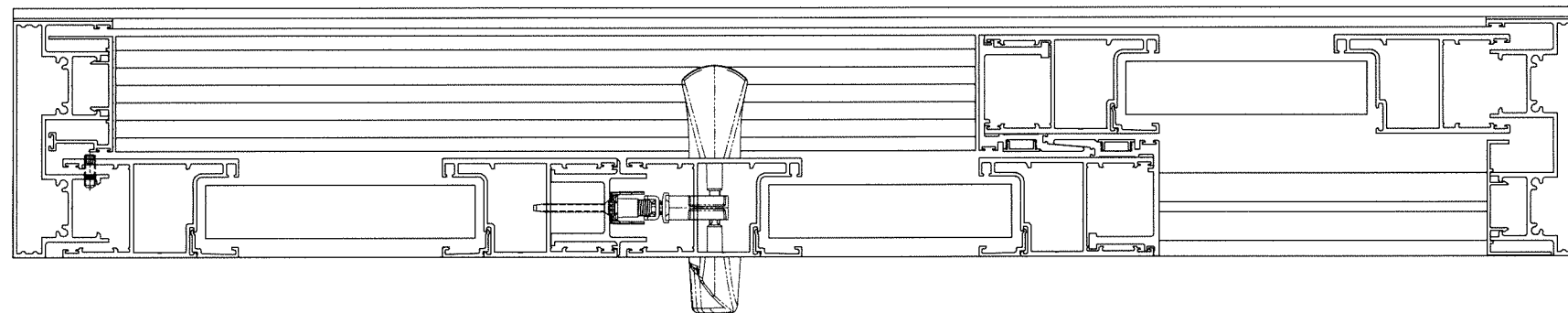
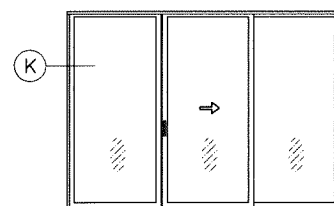
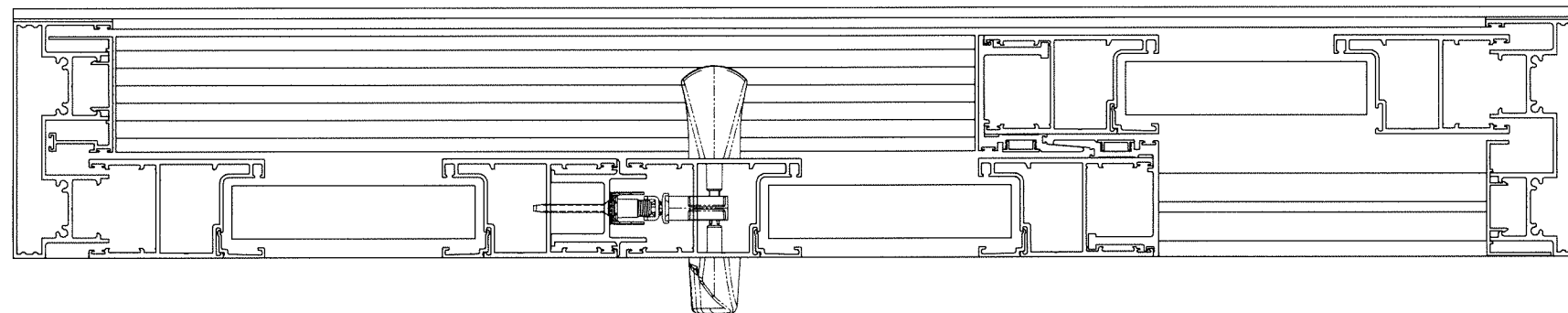
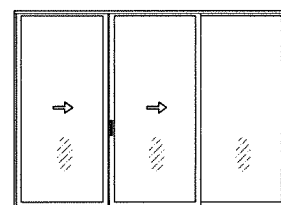
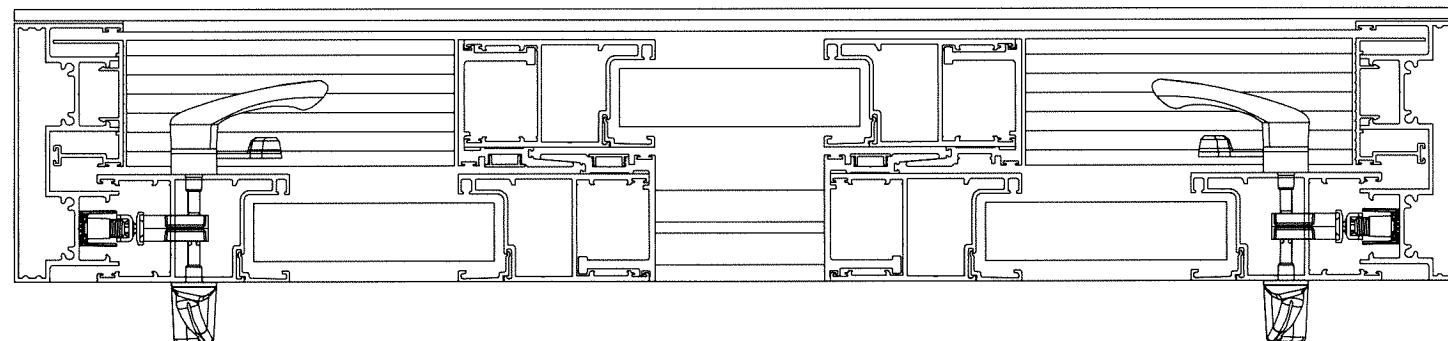
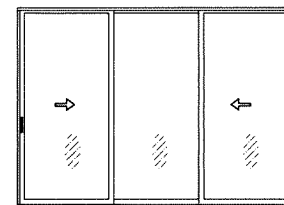
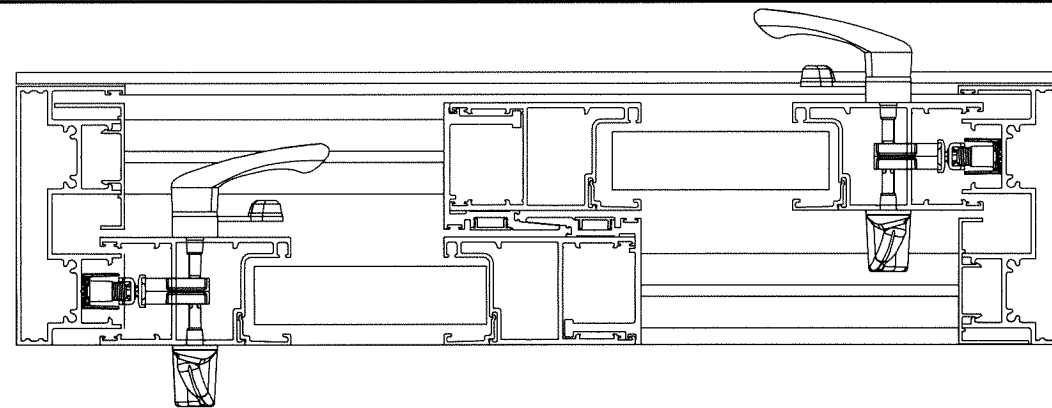
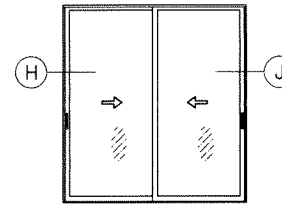
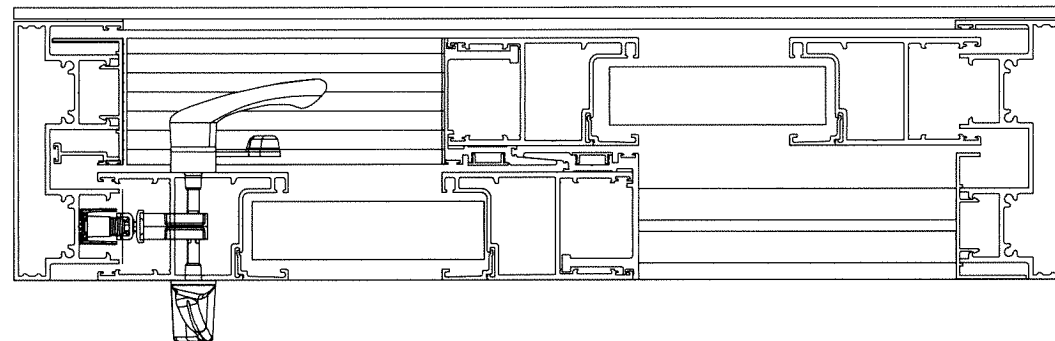
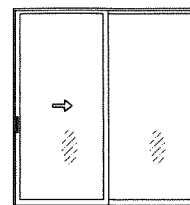
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W15-83

sheet 7 of 17

COMP-ANL W15-83MG



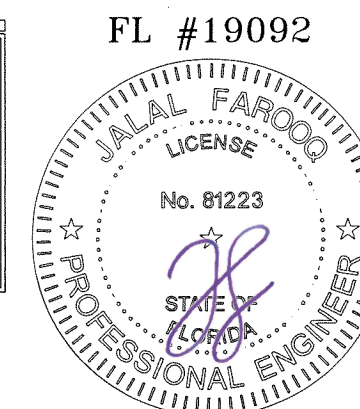
NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE INSTRUCTIONS IN SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 10 THRU 14.

APPROVED CONFIGURATIONS

NON-POCKETED DOORS

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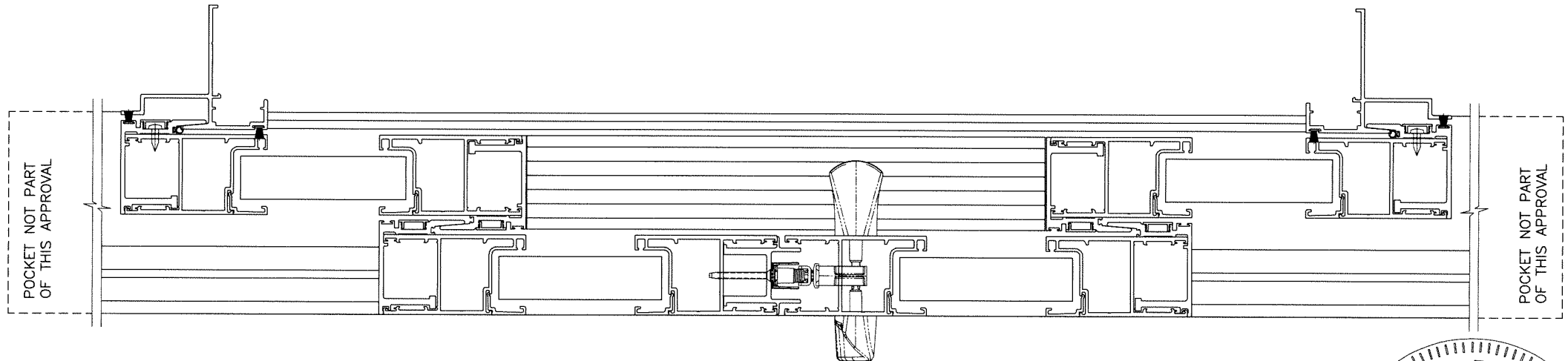


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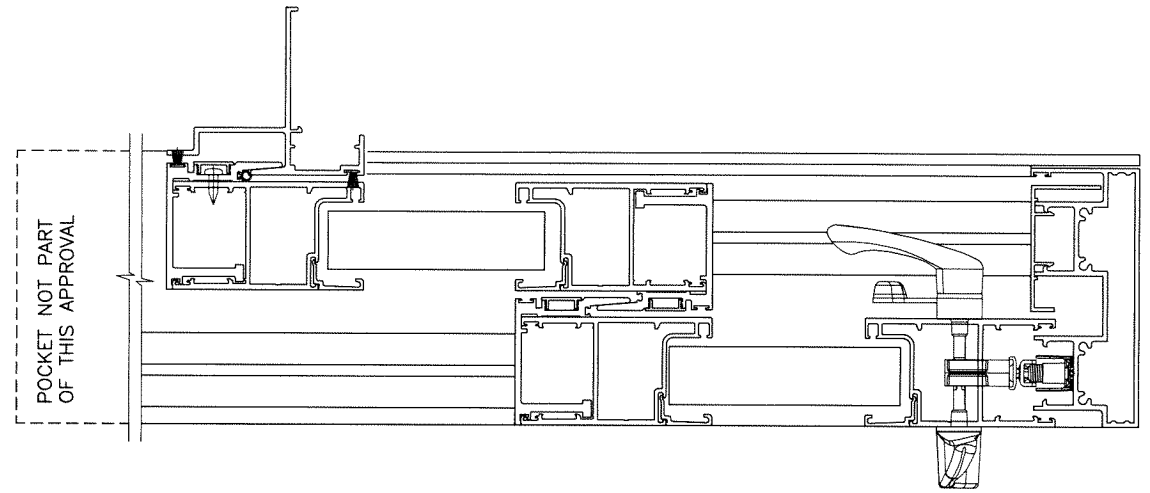
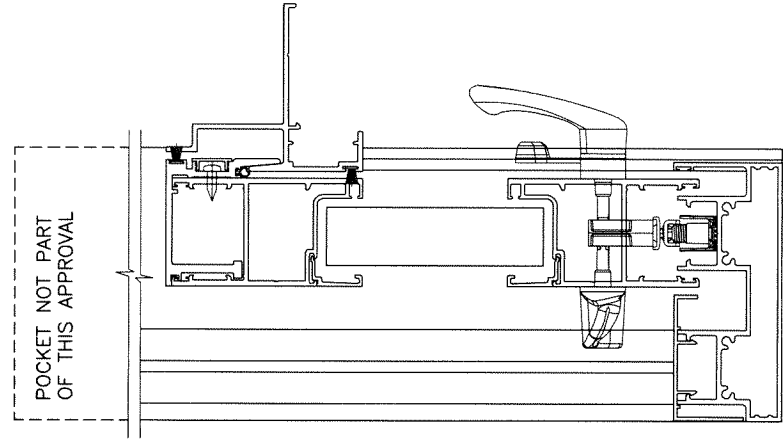
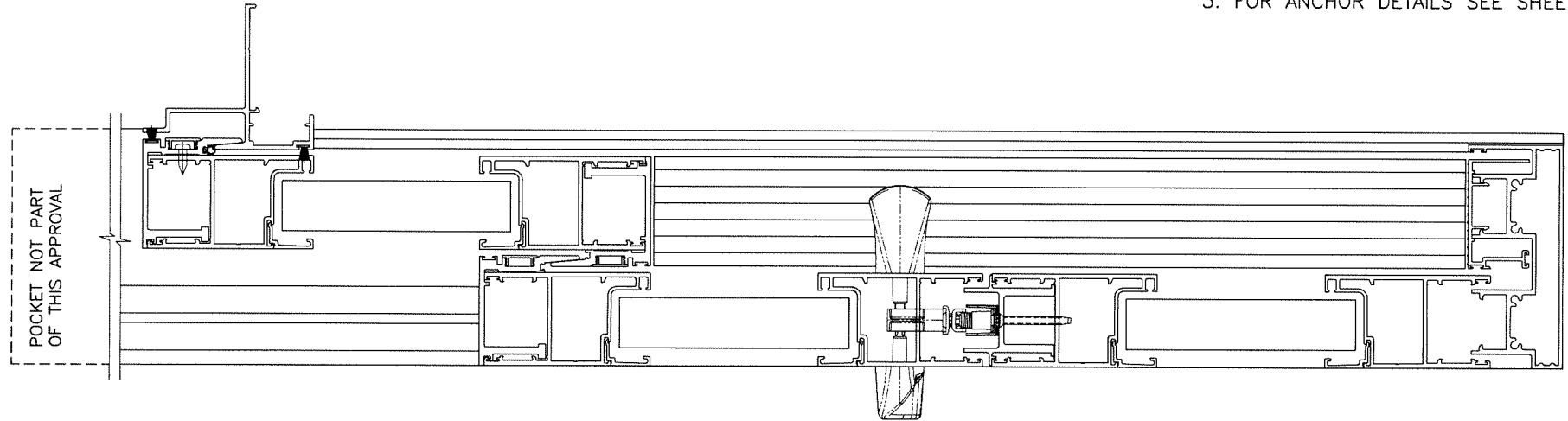
MG-1000 ALUM SLIDING GLASS DOOR (L.M.I.)

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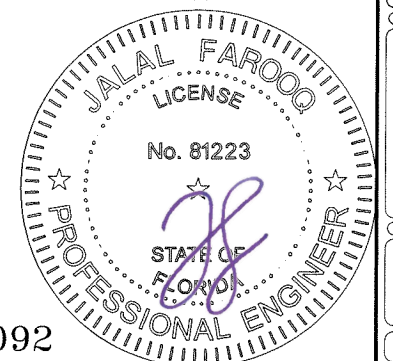
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LIMIT MAX. DOOR HEIGHT TO 120" FOR DOORS WITH POCKETS



1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE INSTRUCTIONS IN SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 10 THRU 14.



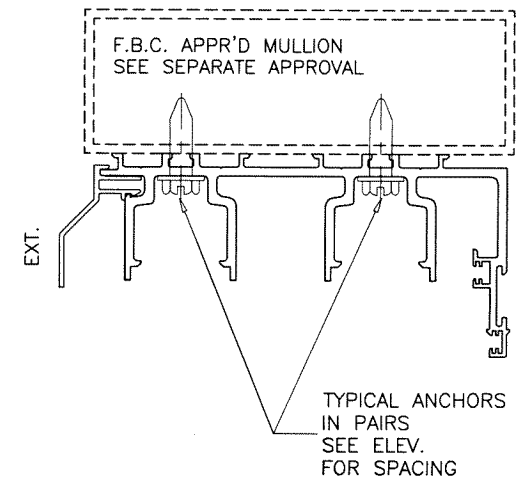
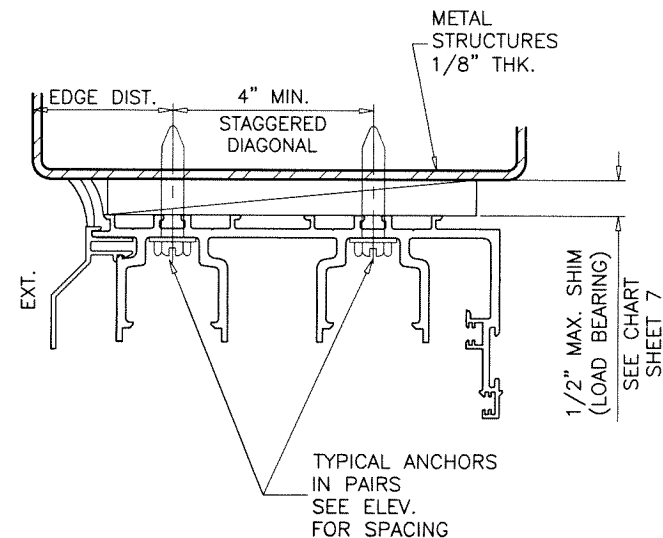
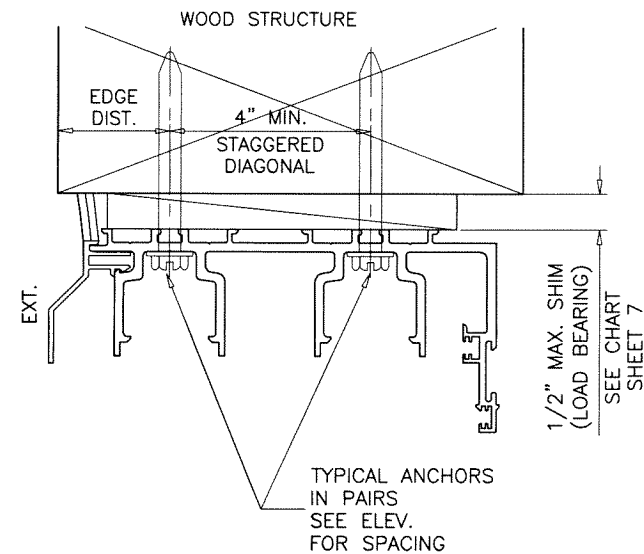
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date: 10-28-15	scale: —	dr. by: TARIQ	chk. by:
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W15-83	
sheet 9 of 17	

COMF-ANL \ W I C - 03MIG



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'MR-GLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'— 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

INTO WOOD STRUCTURES

2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY OR 2BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD)

1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)

DIRECTLY INTO CONC. OR BLOCKS

2" MIN. EMBED INTO CONCRETE (JAMBS)

2" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

TYPE 'B'— 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE

2" MIN. EMBED (HEAD/SILL)

TYPE 'C'— 5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO F.B.C. APPROVED MULLIONS
OR

INTO METAL STRUCTURES (HEAD/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 AT HEAD/SILL = 2-3/16" MIN.

INTO CONCRETE AND BLOCKS AT JAMBS = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

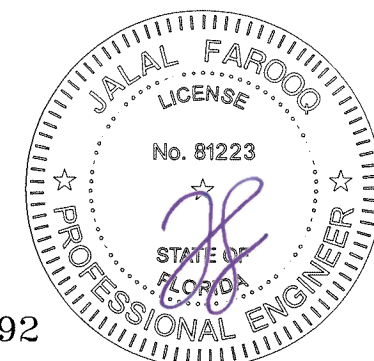
WOOD AT HEAD OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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COMP-ANL\W15-83MG

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date: 10-28-15
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dr. by: TARIQ
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drawing no.
W15-83
sheet 11 of 17

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

EDGE DIST.

CONCRETE
OR
MASONRY

1BY OR 2BY
WOOD BUCKS

1/2" MAX.
LOAD BEARING
SHIMS

(E) ANCHORED JAMB

FIX. PANEL WIDTH

D.L. OPG.

(F) STD. INTERLOCK

#14 X 2-7/8" FH SDS
AT 5" FROM ENDS
AND 11" O.C.

(G) STD. ASTRAGAL

EXTERIOR

PANEL WIDTH

MAX. DOOR FRAME WIDTH

(E1) UNANCHORED JAMB

CONCRETE
OR
MASONRY

SILICONE
DOWSIL 790
DEPTH = 3/8" MIN.

1/4" MIN
3/4" MAX.
GAP

SEE NOTE
BELOW

MAX. DOOR FRAME WIDTH

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION
MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL
MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY
ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY
THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

(F) REINF. INTERLOCK

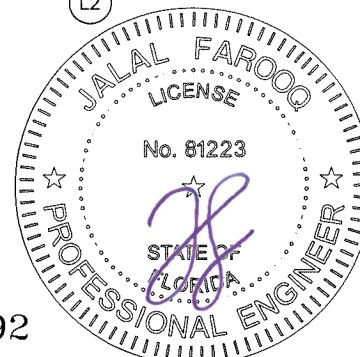
#14 X 2-7/8" FH SDS
AT 5" FROM ENDS
AND 11" O.C.

(G) REINF. ASTRAGAL

EXTERIOR

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FL #19092



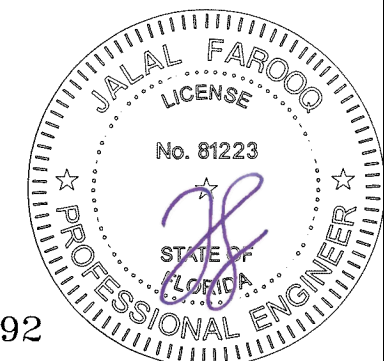
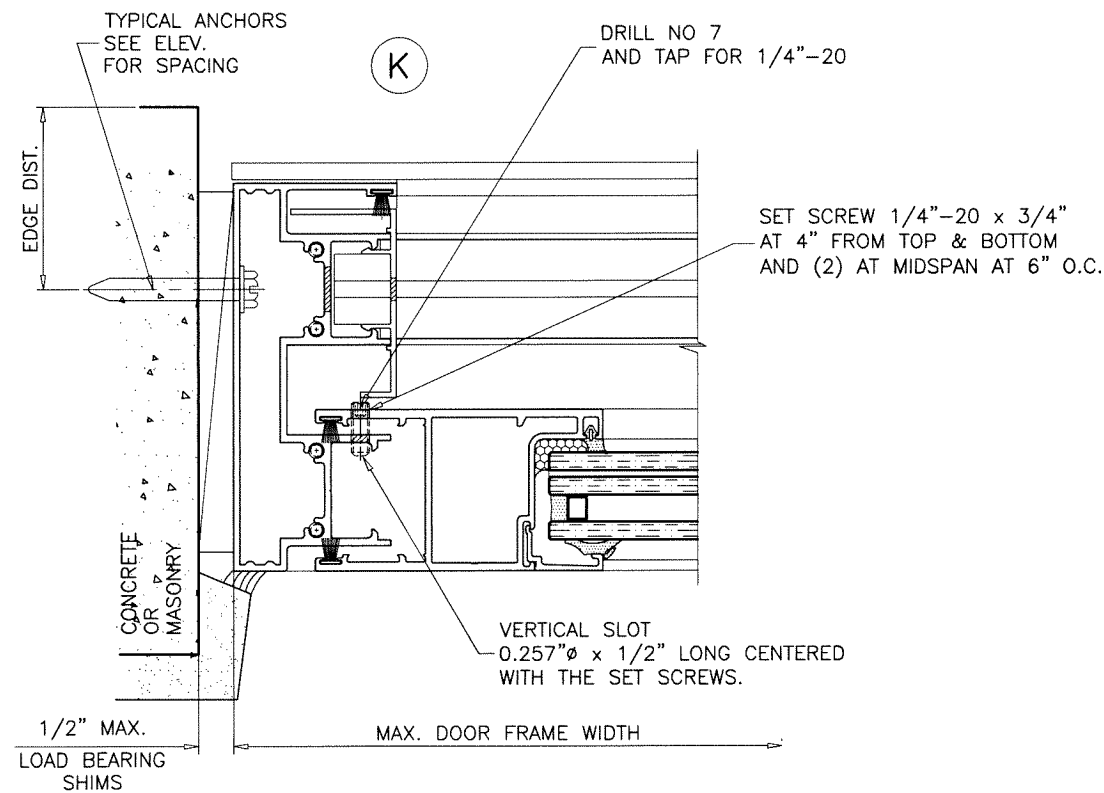
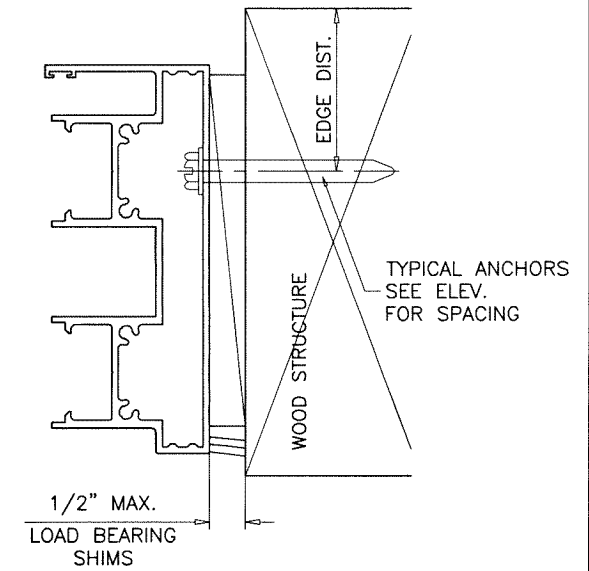
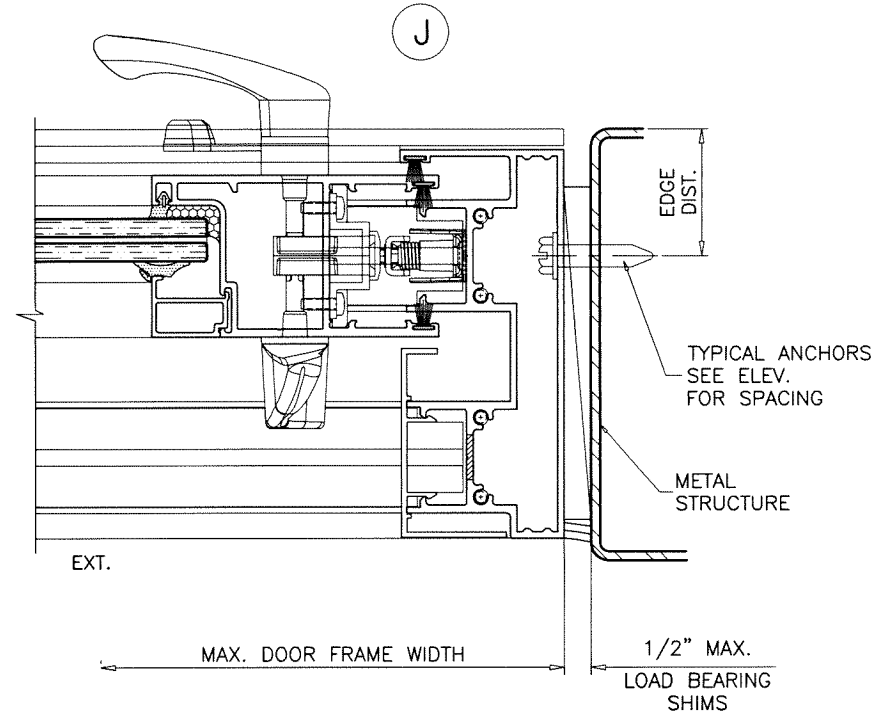
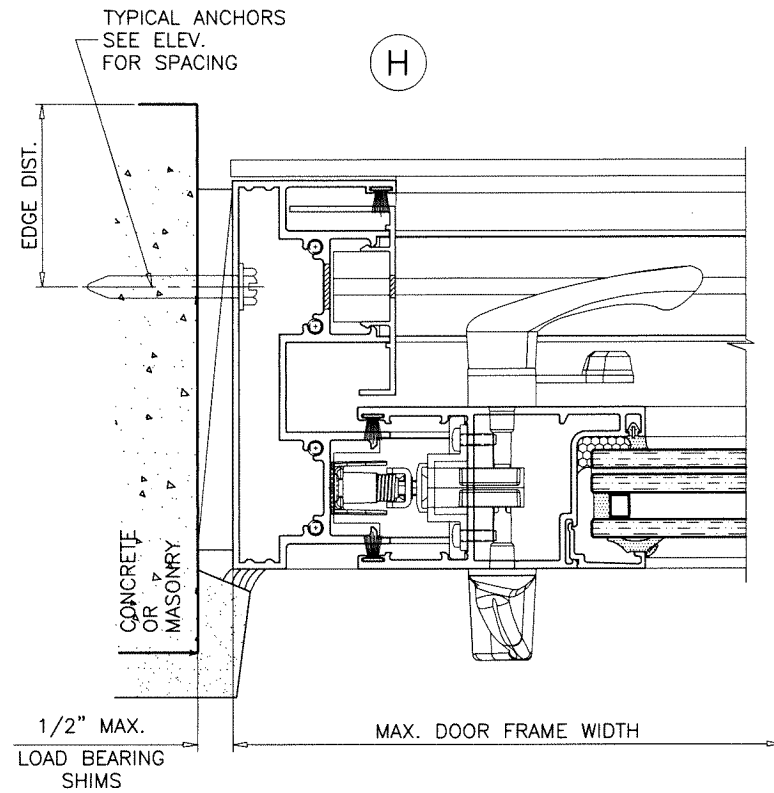
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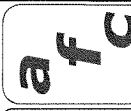
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drawing no.
W15-83
sheet 12 of 17



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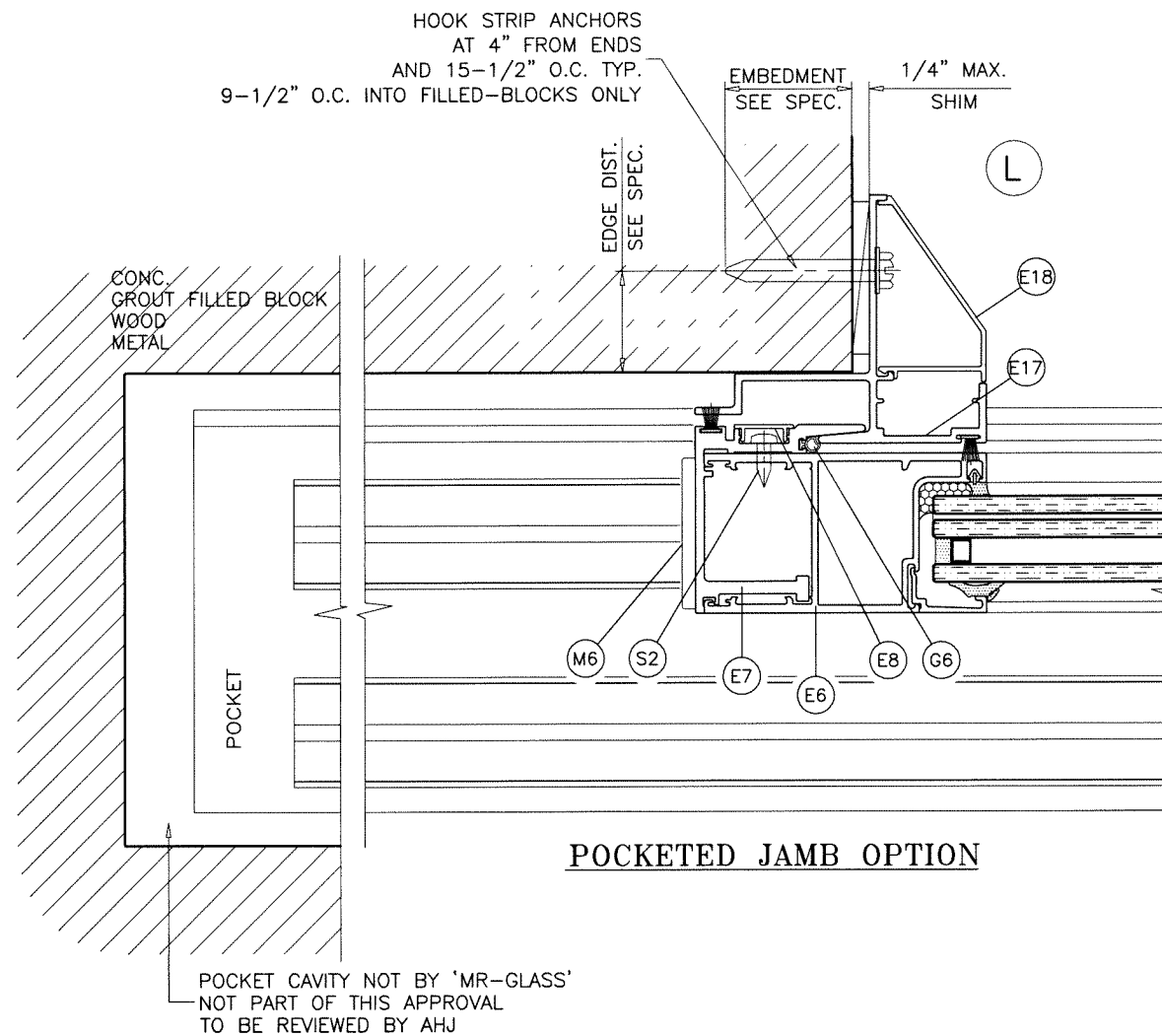
scale: 3/8" = 1"

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chk. by:

drawing no. **W15-83**

sheet 13 of 17



HOOK STRIP ANCHORS:

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD

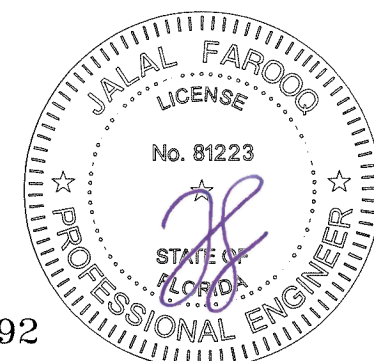
5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 THRU 1BY BUCKS INTO CONC. OR FILLED BLOCKS
 1-3/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS
 DIRECTLY INTO CONC. OR FILLED BLOCKS
 1-3/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS

5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO CONCRETE OR BLOCKS = 1-1/4" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT JAMBS SG = 0.55 MIN.
 CONCRETE AT JAMBS $f'_c = 3000$ PSI MIN.
 C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.



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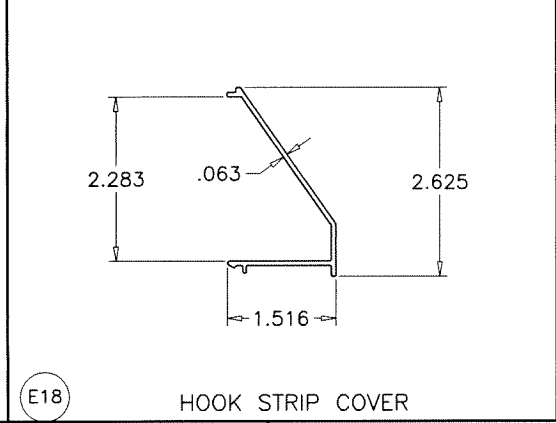
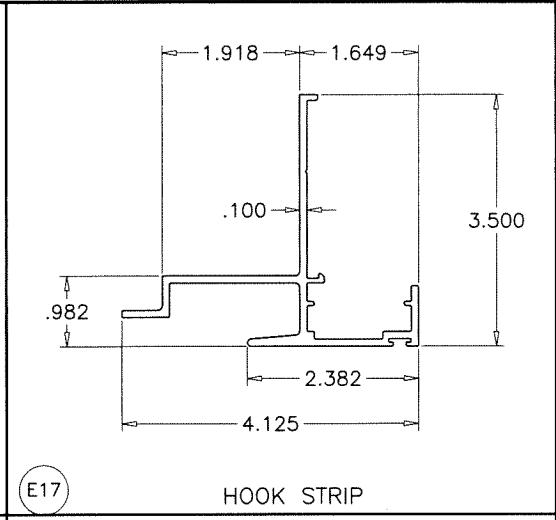
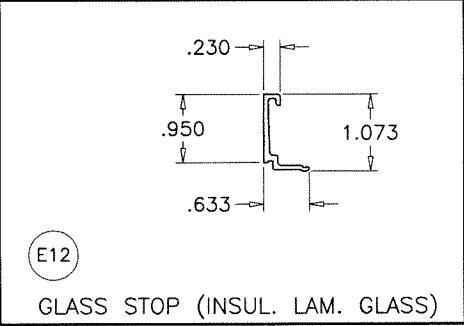
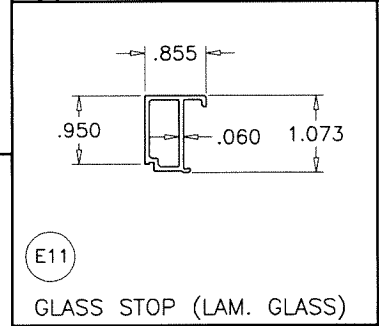
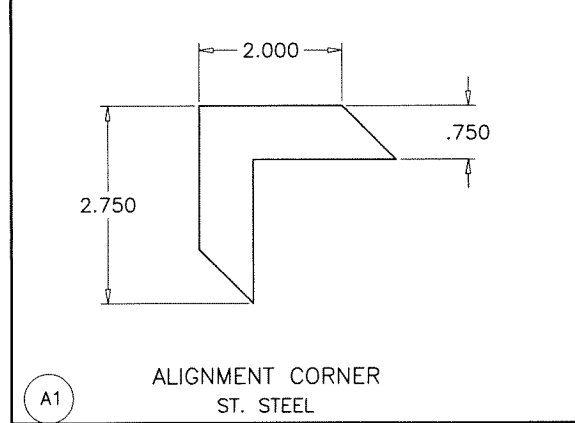
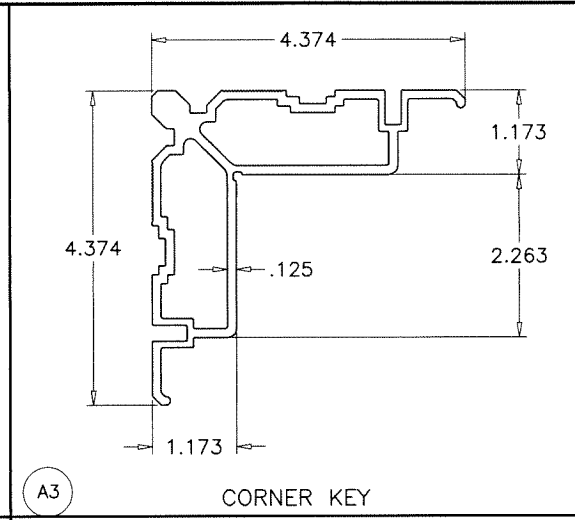
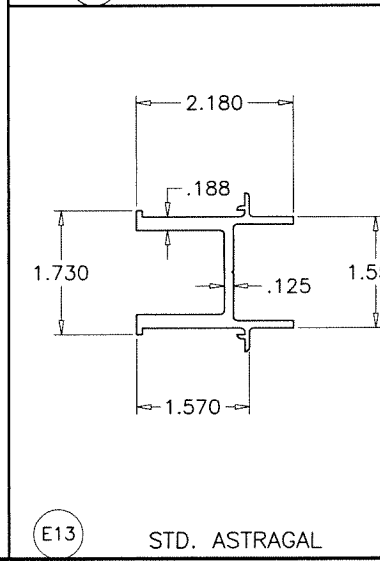
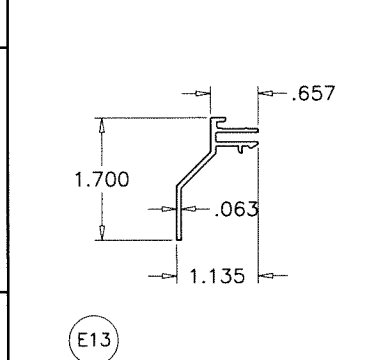
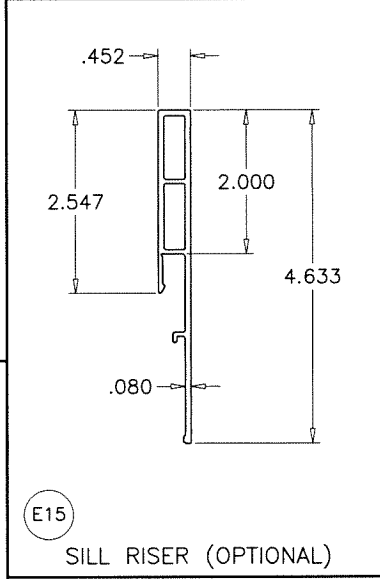
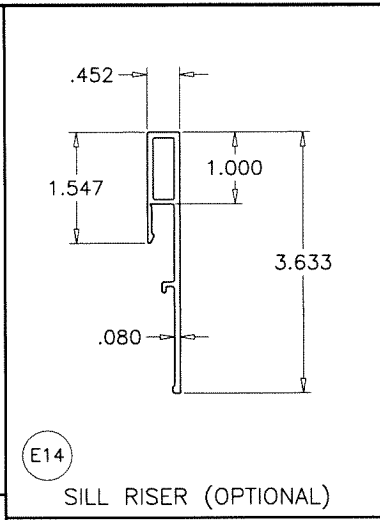
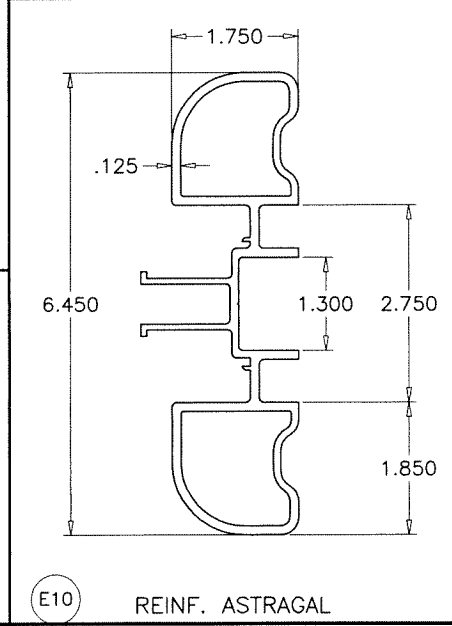
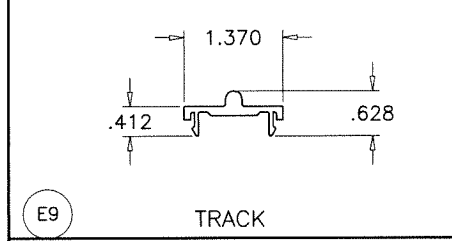
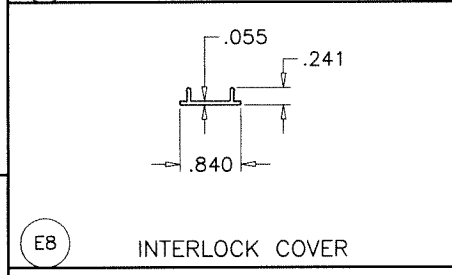
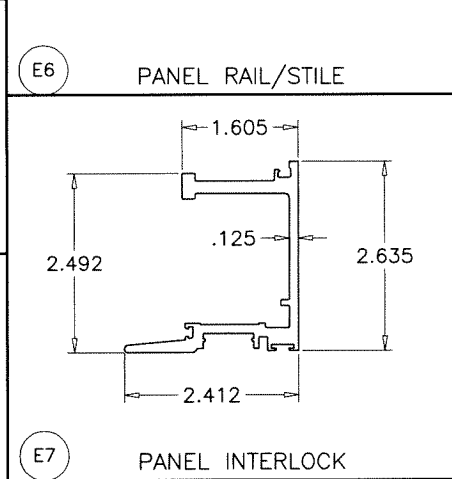
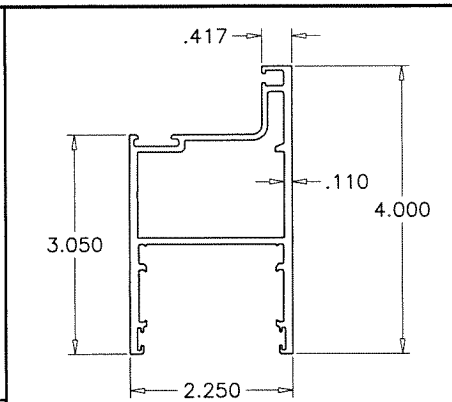
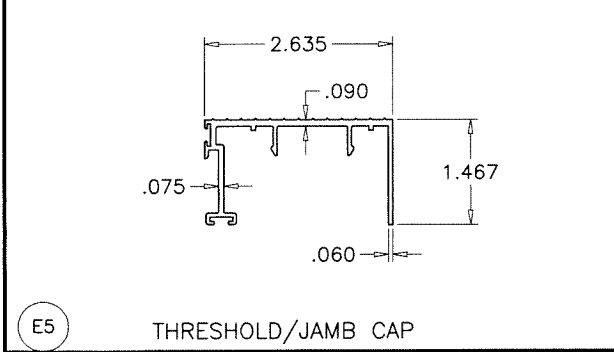
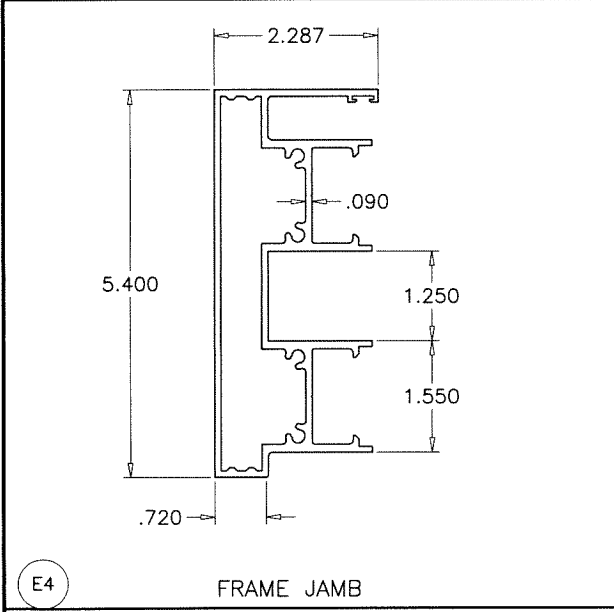
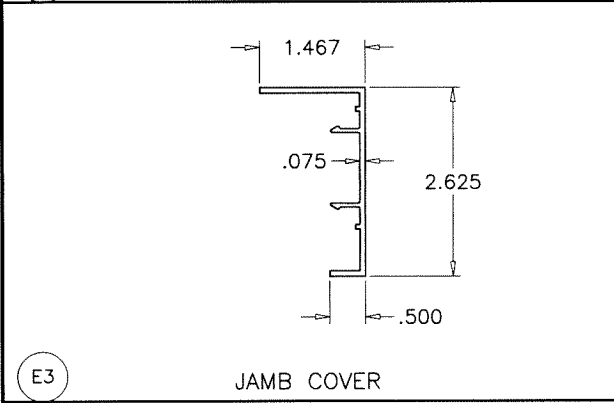
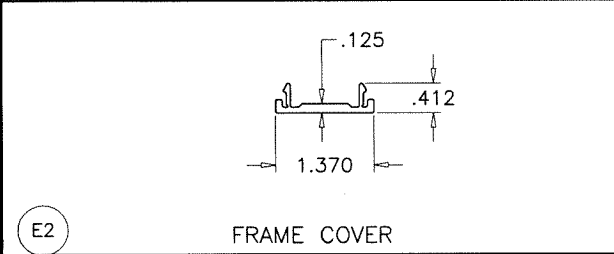
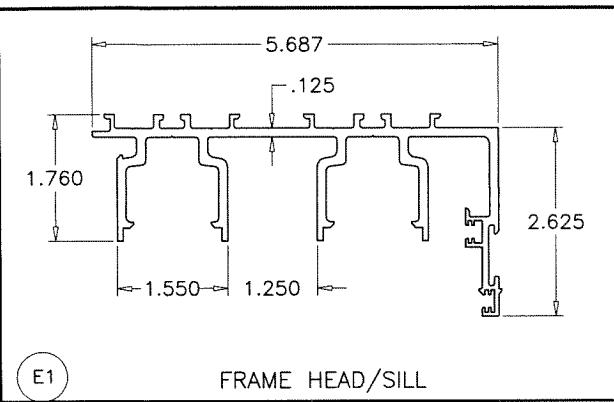
AL-FAROOQ CORPORATION
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 MIAMI, FLORIDA 33173 (C.A.N. 3538)
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 COMP -ANL\W15-83MG

MG-1000 ALUM SLIDING GLASS DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL. 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

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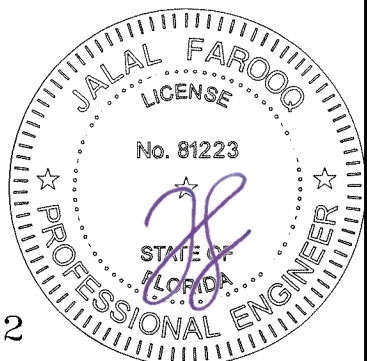
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W15-83
 sheet 14 of 17



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FL #19092

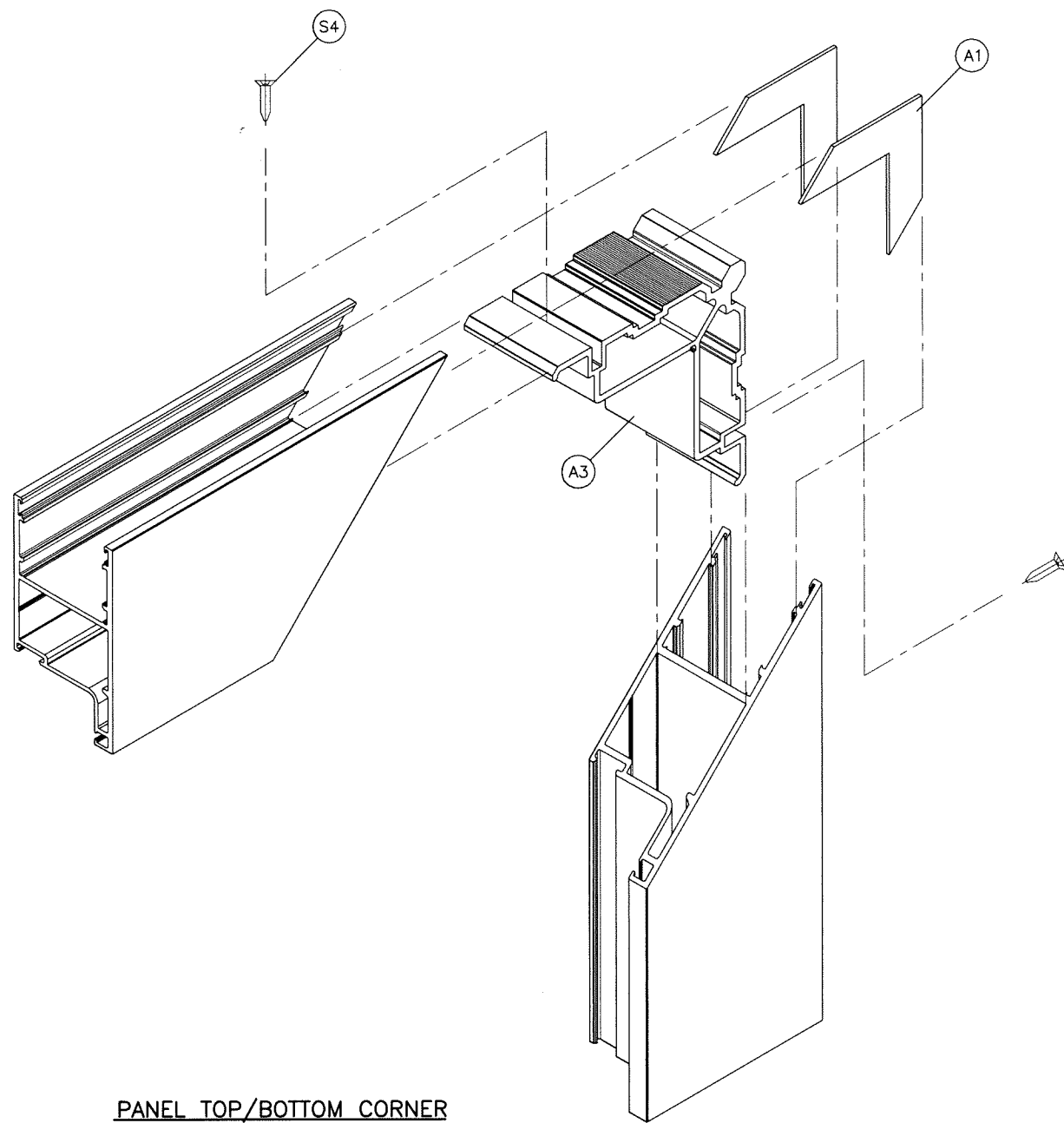


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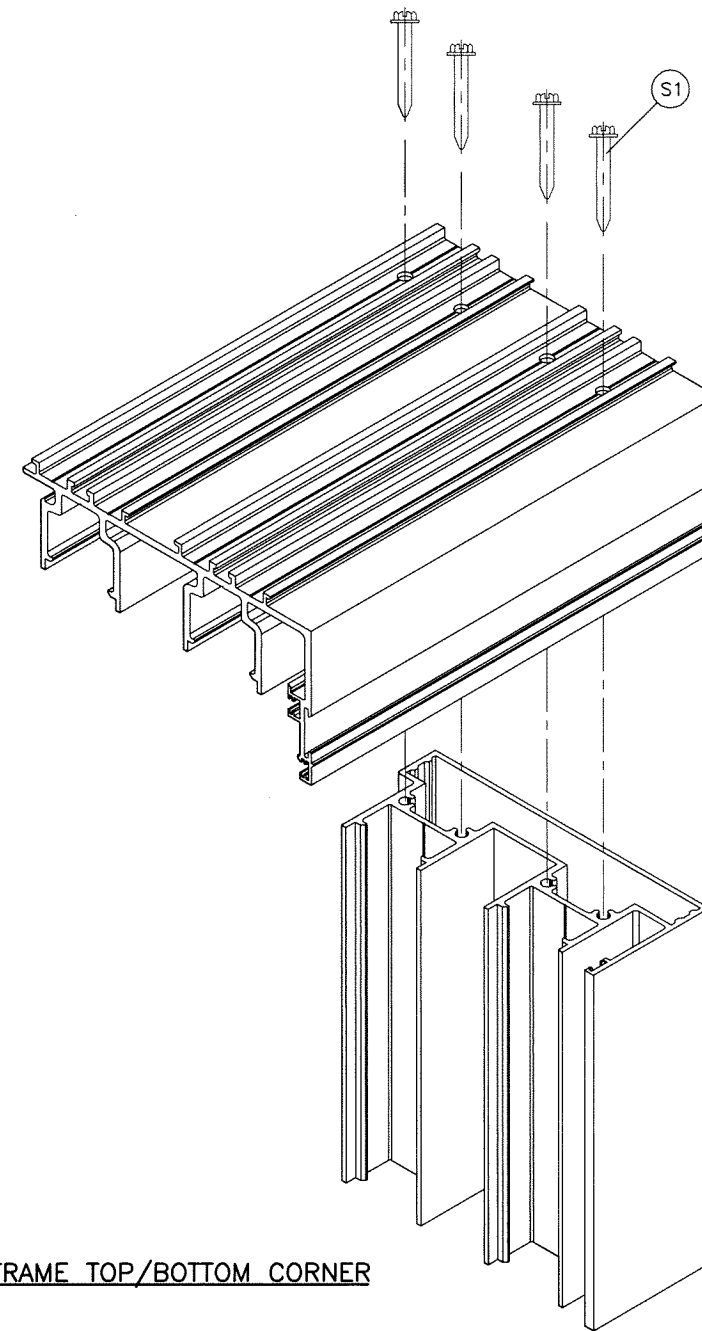
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revisions:	no	date	by	description

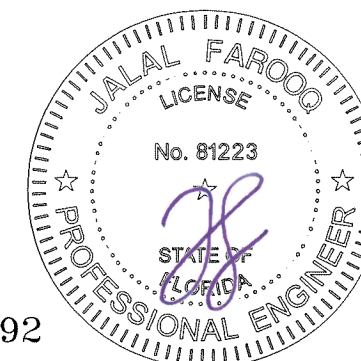
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drawing no.
W15-83
sheet 15 of 17



PANEL TOP/BOTTOM CORNER




FRAME TOP/BOTTOM CORNER



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revisions:	
no	date by description

date: 10-28-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.	sheet 17 of 17
W15-83	