

| DESIGN LOAD CAPACITY – PSF | | | | | |
|----------------------------------|--------------------------------|-----------------------------------|---------|-----------------------|---------|
| AVERAGE PANEL WIDTH INCHES | DOOR FRAME HEIGHT INCHES | GLASS TYPES 'C', 'C1', 'D' & 'D1' | | | |
| | | STD. ASTRAGAL | | REINF. ASTRAGAL | |
| | | JAMBS WITH OR W/O ANCHORS | | JAMBS WITH ANCHORS | |
| | | EXT.(+) | INT.(–) | EXT.(+) | INT.(–) |
| 30 | 82–7/8 | 100.0 | 100.0 | 120.0 | 140.0 |
| 36 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 42 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 48 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 54 | | 88.9 | 88.9 | 106.7 | 124.4 |
| 60 | | 80.0 | 80.0 | 96.0 | 112.0 |
| 30 | 84 | 100.0 | 100.0 | 120.0 | 140.0 |
| 36 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 42 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 48 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 54 | | 88.9 | 88.9 | 106.7 | 124.4 |
| 60 | | 80.0 | 80.0 | 96.0 | 112.0 |
| 30 | 90 | 100.0 | 100.0 | 120.0 | 140.0 |
| 36 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 42 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 48 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 54 | | 88.9 | 88.9 | 106.7 | 124.4 |
| 60 | | – | – | 96.0 | 112.0 |
| 30 | 96 | 100.0 | 100.0 | 120.0 | 140.0 |
| 36 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 42 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 48 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 54 | | 88.9 | 88.9 | 106.7 | 124.4 |
| 60 | | – | – | 96.0 | 112.0 |
| 30 | 102 | 100.0 | 100.0 | 120.0 | 140.0 |
| 36 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 42 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 48 | | 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 | 120.0 | 140.0 |
| 36 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 42 | | 100.0 | 100.0 | 120.0 | 140.0 |
| 48 | | 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 |
| 48 | | – | – | 120.0 | 140.0 |

EXTERIOR(+) LOADS SHOWN IN CHART ABOVE ARE FOR ALL DOOR CONFIGURATIONS EXCEPT TWO PANEL (XX) DOORS
SEE SHEET 6 FOR TWO PANEL (XX) DOOR LIMITATIONS.

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

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

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 SHEET 1 FOR THE GLASS TYPE USED.
- STEP 3** USING CHARTS ON SHEET 4 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 8 DETERMINE MIN. AND MAX. GAP DIMENSIONS.

THESE DOORS ARE RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES MG–1000 (S.M.I.)

ALUMINUM SLIDING GLASS DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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

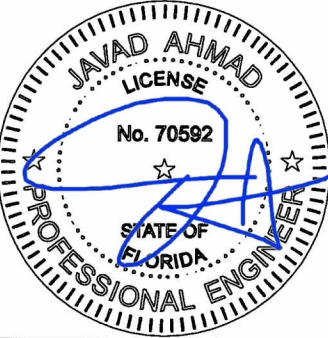
ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

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.

- A– THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B– 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.
- C– THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D– 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.
- E– THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FL #19092



afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

MG–1000 ALUM SLIDING GLASS DOOR (S.M.I.)

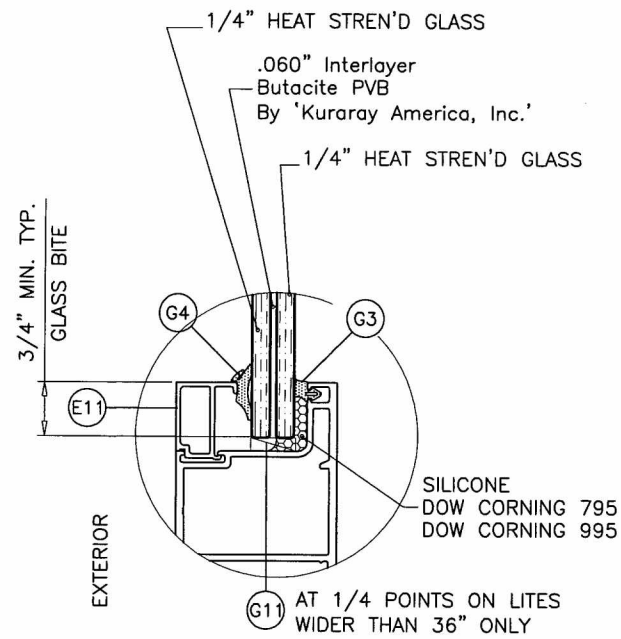
MR. GLASS DOORS & WINDOWS INC.
8120 N.W. 84 STREET
MEDLEY, FL. 33166
TEL. (305) 470–8284 FAX. (305) 470–8285

revisions:

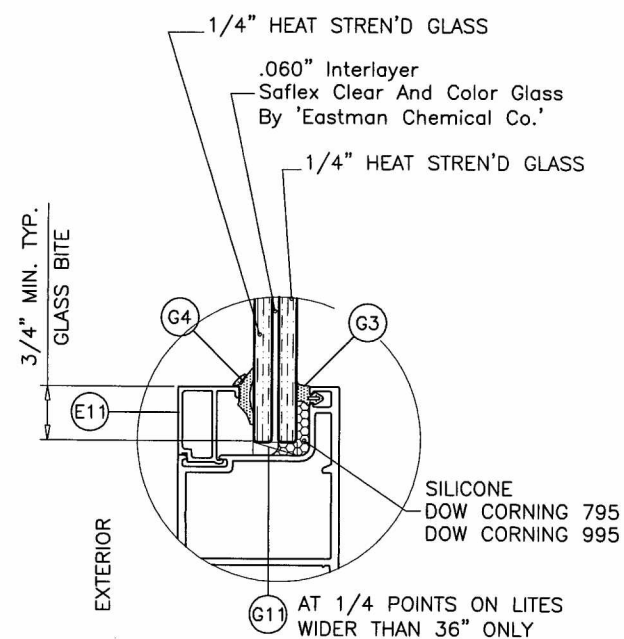
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date: 11–30–15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

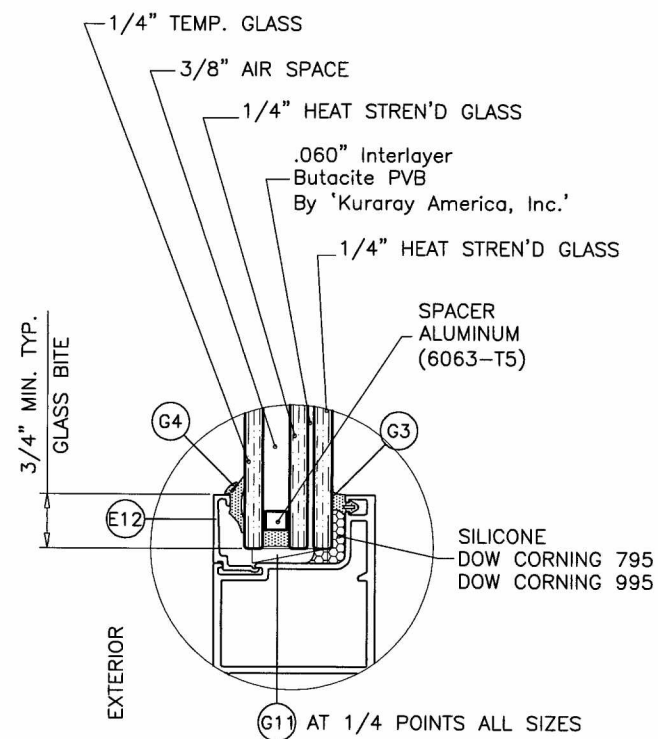
drawing no.
W15–103
sheet 1 of 12



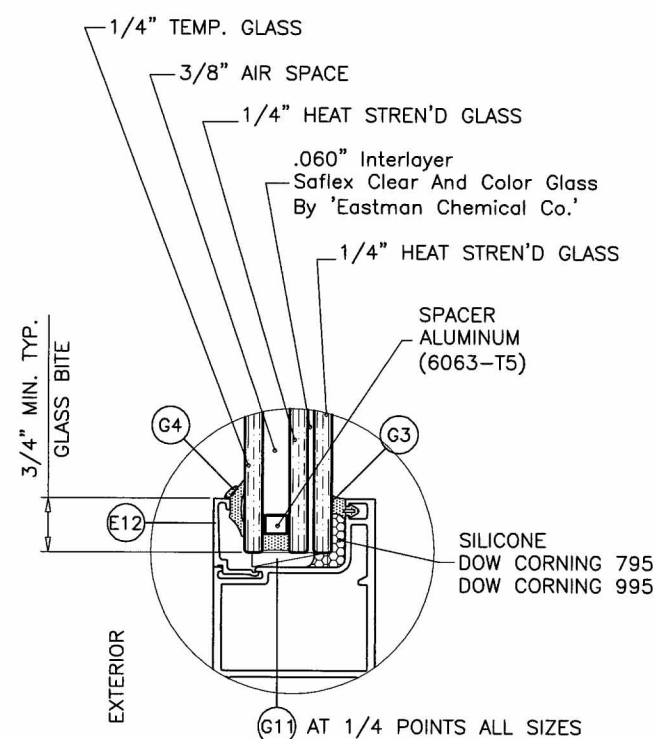
GLASS TYPE 'C'
9/16" OVERALL LAMINATED GLASS



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

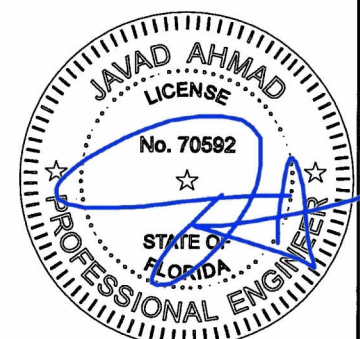


GLASS TYPE 'CI'
1-3/16" OVERALL INSUL. LAM. GLASS



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

GLAZING OPTIONS



FL #19092

Signed 12/16/2015

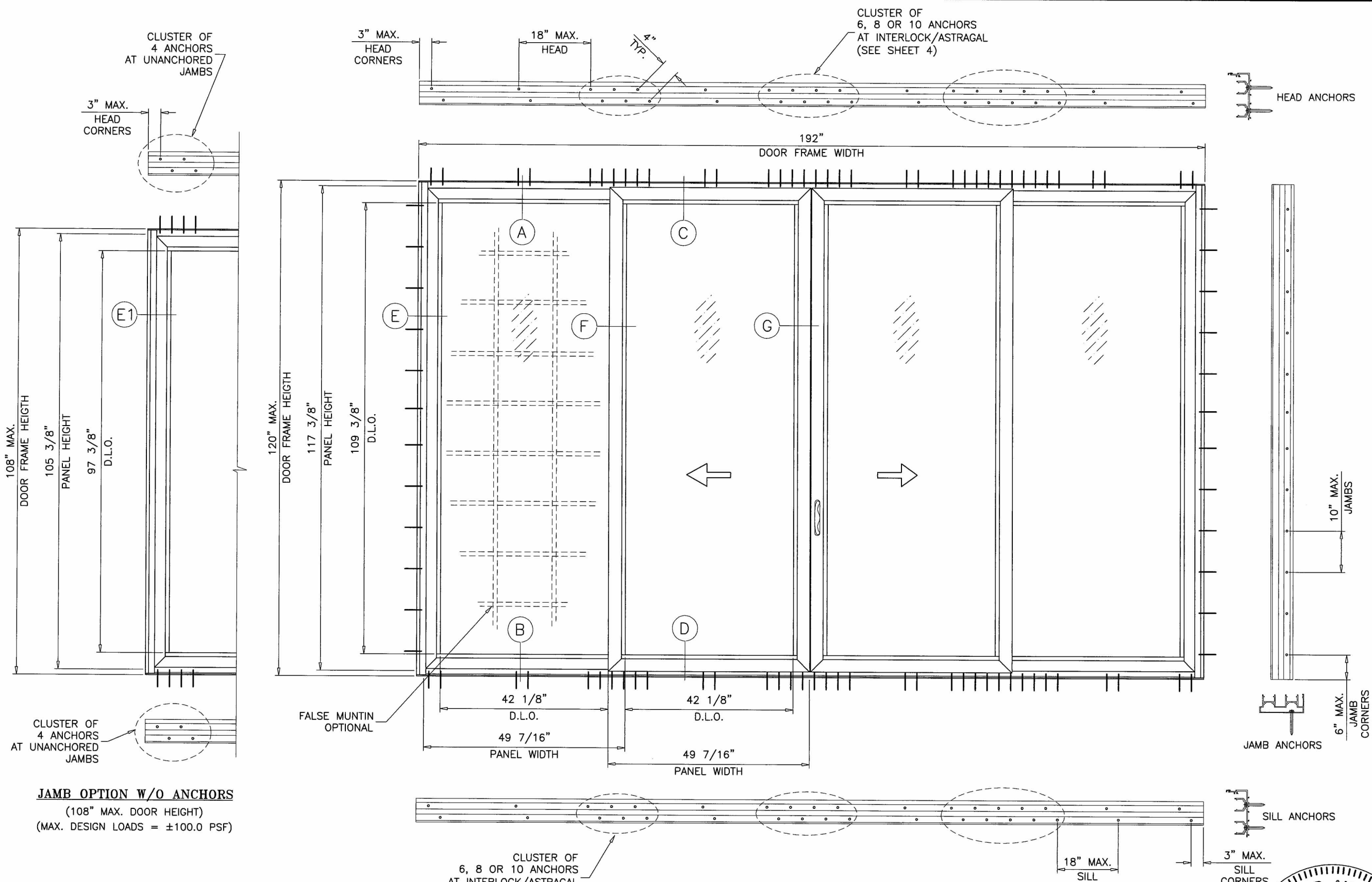
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AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W15-103MG

MG-1000 ALUM SLIDING GLASS DOOR (S.M.I.)
MR. GLASS DOORS & WINDOWS INC.
8120 N.W. 84 STREET
MEDLEY, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

| revisions: | | by | description |
|------------|------|----|-------------|
| no | date | | |
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| date: 11-30-15 | scale: 3/8" = 1" | dr. by: TARIQ | chk. by: |
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drawing no.
W15-103
sheet 2 of 12



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

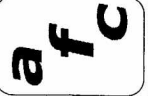
DAYLITE OPENINGS WIDTHS:
 PANEL WIDTH - 7.313"

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



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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 COMP-ANL\W15-103MG

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

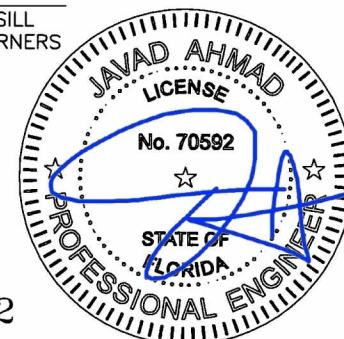
MR. GLASS DOORS & WINDOWS INC.
 8120 N.W. 84 STREET
 MEDLEY, FL. 33166
 TEL. (305) 470-8284 FAX. (305) 470-8285

| revisions: | |
|------------|---------------------|
| no | date by description |
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|----------------|-------------------|---------------|----------|
| date: 11-30-15 | scale: 1/2"=1'-0" | dr. by: TARIQ | chk. by: |
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drawing no. **W15-103**

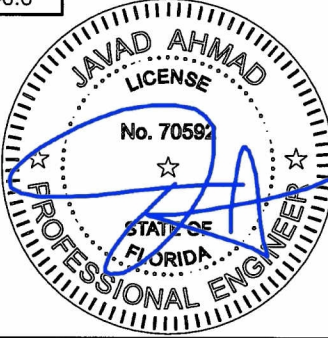
sheet **3** of **12**



FL #19092

Signed 12/16/2015

| ANCHOR LOAD CAPACITY - PSF | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------|
| ANCHOR TYPE | | ANCHOR TYPE 'A' | | | | | | | | | ANCHOR TYPE 'B' | | | | | | | ANCHOR TYPE 'C' | | | | |
| SHIM SPACE | | 1/4" MAX. SHIM | | 3/8" MAX. SHIM | | | 1/2" MAX. SHIM | | | 1/4" SHIM | 3/8" MAX. SHIM | | | 1/2" MAX. SHIM | | | 1/4" SHIM | 3/8" MAX. SHIM | | 1/2" MAX. SHIM | | |
| PANEL WIDTH INCHES | DOOR FRAME HEIGHT INCHES | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | 10 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | 10 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | 10 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | 10 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | 6 ANCHORS AT MTG. STILE ENDS | 8 ANCHORS AT MTG. STILE ENDS | |
| | | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | EXT. (+) INT. (-) | 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 | 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 | 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 | 136.9 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 136.9 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 48 | | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 125.9 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 125.9 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 54 | | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 117.9 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 117.9 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 |
| 60 | | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 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 | 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 | 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 | 134.3 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 134.3 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 48 | | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 123.4 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 123.4 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 54 | | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 115.5 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 115.5 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | |
| 60 | | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 109.7 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 109.7 | 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 | 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 | 137.1 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 137.1 | 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 | 122.6 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 122.6 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 48 | | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 112.2 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 112.2 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 54 | | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 104.5 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 104.5 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | |
| 60 | | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 98.7 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 98.7 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 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 | 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 | 126.6 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 126.6 | 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 | 112.8 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 112.8 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 48 | | 140.0 | 140.0 | 130.5 | 140.0 | 140.0 | 102.8 | 137.1 | 140.0 | 140.0 | 130.5 | 140.0 | 140.0 | 102.8 | 137.1 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 54 | | 124.4 | 124.4 | 121.0 | 124.4 | 124.4 | 95.4 | 124.4 | 124.4 | 124.4 | 121.0 | 124.4 | 124.4 | 95.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | |
| 60 | | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 89.7 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 89.7 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 | |
| 30 | 102 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 136.2 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 136.2 | 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 | 117.5 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 117.5 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | | |
| 42 | | 140.0 | 140.0 | 132.6 | 140.0 | 140.0 | 104.5 | 139.3 | 140.0 | 140.0 | 132.6 | 140.0 | 140.0 | 104.5 | 139.3 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | | |
| 48 | | 140.0 | 140.0 | 120.5 | 140.0 | 140.0 | 94.9 | 126.5 | 140.0 | 140.0 | 120.5 | 140.0 | 140.0 | 94.9 | 126.5 | 140.0 | 140.0 | 140.0 | 140.0 | 136.6 | 140.0 | |
| 54 | | 124.4 | 124.4 | 111.4 | 124.4 | 124.4 | 87.8 | 117.0 | 124.4 | 124.4 | 111.4 | 124.4 | 124.4 | 87.8 | 117.0 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | 124.4 | |
| 30 | 108 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 127.4 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 127.4 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 36 | | 140.0 | 140.0 | 139.2 | 140.0 | 140.0 | 109.7 | 140.0 | 140.0 | 140.0 | 139.2 | 140.0 | 140.0 | 109.7 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | | |
| 42 | | 140.0 | 140.0 | 123.4 | 140.0 | 140.0 | 97.3 | 129.7 | 140.0 | 140.0 | 123.4 | 140.0 | 140.0 | 97.3 | 129.7 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | | |
| 48 | | 140.0 | 140.0 | 111.1 | 140.0 | 140.0 | 88.1 | 117.5 | 140.0 | 140.0 | 111.1 | 140.0 | 140.0 | 88.1 | 117.5 | 140.0 | 140.0 | 140.0 | 140.0 | 126.9 | 140.0 | |
| 30 | 114 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 119.7 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 119.7 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 36 | | 140.0 | 140.0 | 130.5 | 140.0 | 140.0 | 102.8 | 137.1 | 140.0 | 140.0 | 130.5 | 140.0 | 140.0 | 102.8 | 137.1 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | | |
| 42 | | 140.0 | 140.0 | 115.5 | 140.0 | 140.0 | 91.0 | 121.3 | 140.0 | 140.0 | 115.5 | 140.0 | 140.0 | 91.0 | 121.3 | 140.0 | 140.0 | 140.0 | 140.0 | 130.9 | 140.0 | |
| 48 | | 138.4 | 140.0 | 104.4 | 139.2 | 140.0 | 82.3 | 109.7 | 137.1 | 140.0 | 104.4 | 139.2 | 140.0 | 82.3 | 109.7 | 137.1 | 140.0 | 140.0 | 140.0 | 118.4 | 140.0 | |
| 30 | 120 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 112.8 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 112.8 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | |
| 36 | | 140.0 | 140.0 | 122.8 | 140.0 | 140.0 | 96.8 | 129.0 | 140.0 | 140.0 | 122.8 | 140.0 | 140.0 | 96.8 | 129.0 | 140.0 | 140.0 | 140.0 | 140.0 | 139.3 | 140.0 | |
| 42 | | 140.0 | 140.0 | 108.5 | 140.0 | 140.0 | 85.5 | 113.9 | 140.0 | 140.0 | 108.5 | 140.0 | 140.0 | 85.5 | 113.9 | 140.0 | 140.0 | 140.0 | 140.0 | 123.0 | 140.0 | |
| 48 | | 129.8 | 140.0 | 97.9 | 130.5 | 140.0 | 77.1 | 102.8 | 128.5 | 140.0 | 97.9 | 130.5 | 140.0 | 77.1 | 102.8 | 128.5 | 140.0 | 139.4 | 140.0 | 111.0 | 140.0 | |



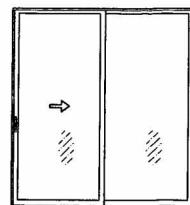
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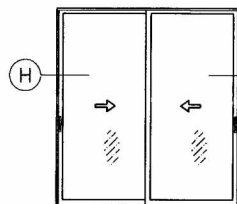
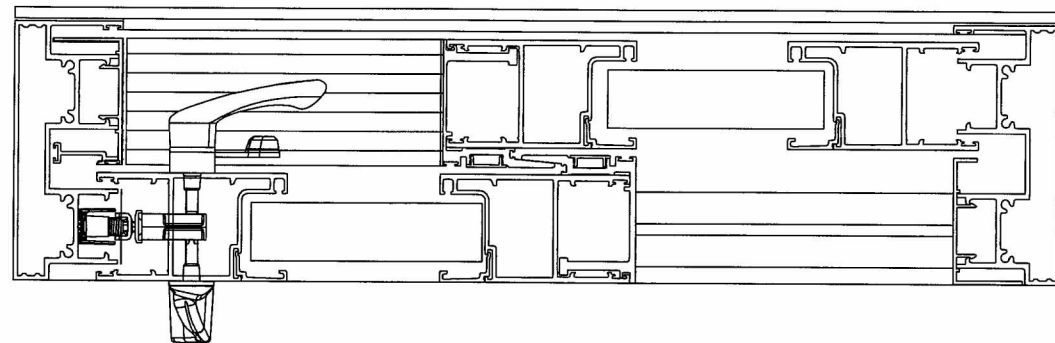
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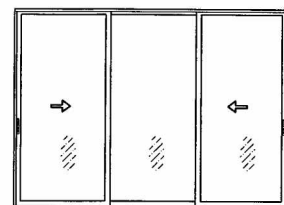
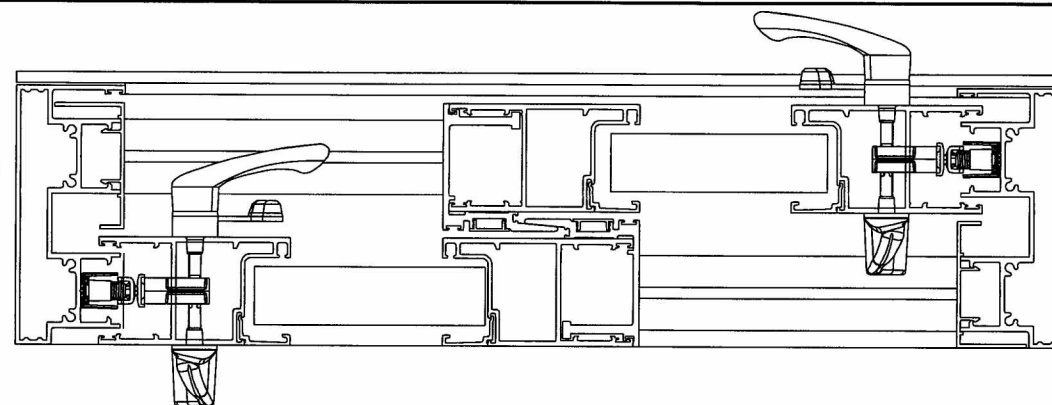
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sheet 4 of 12



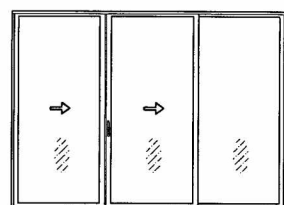
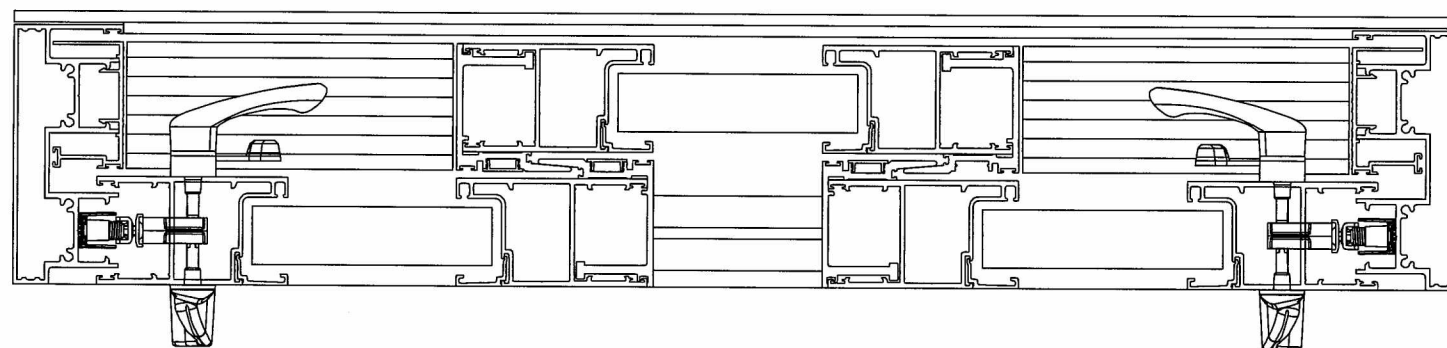
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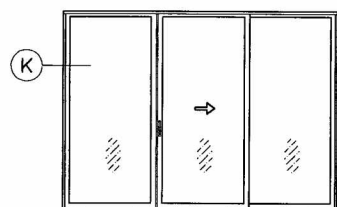
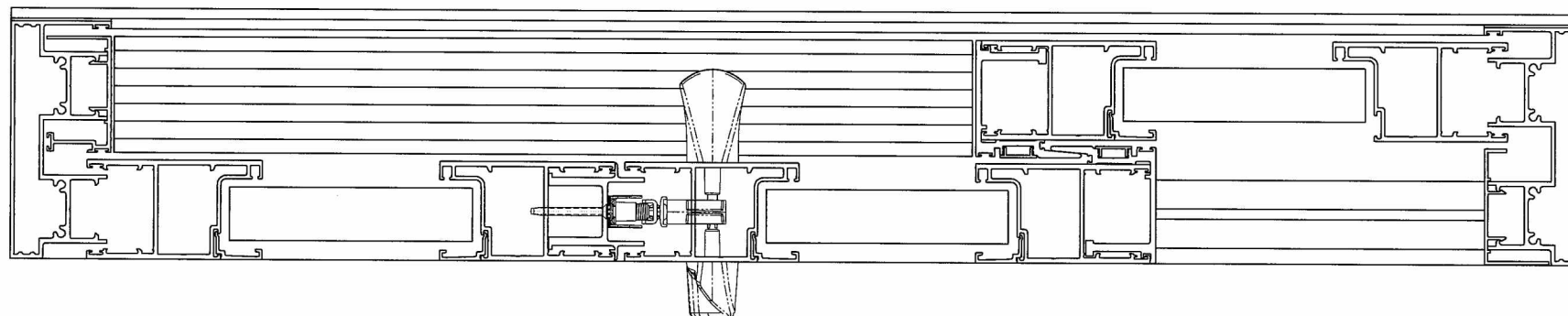
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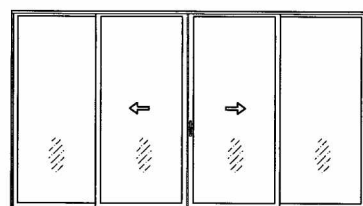
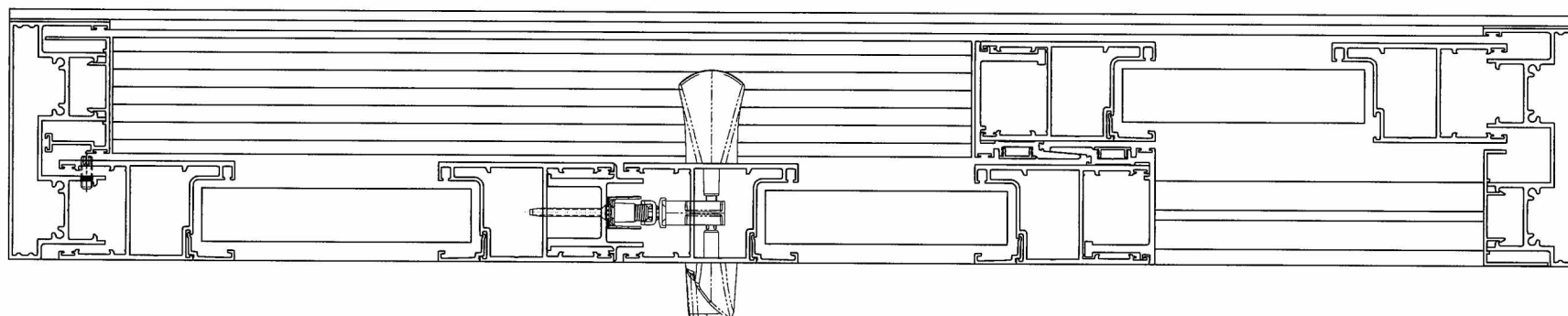
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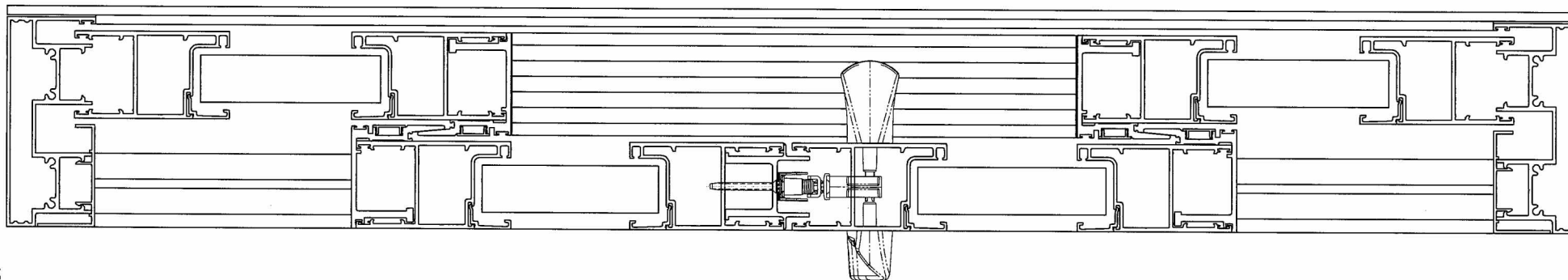
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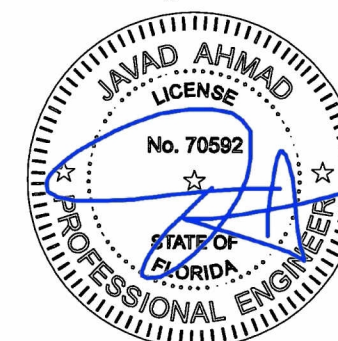
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APPROVED CONFIGURATIONS

NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE INSTRUCTIONS IN SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 6 THRU 9.



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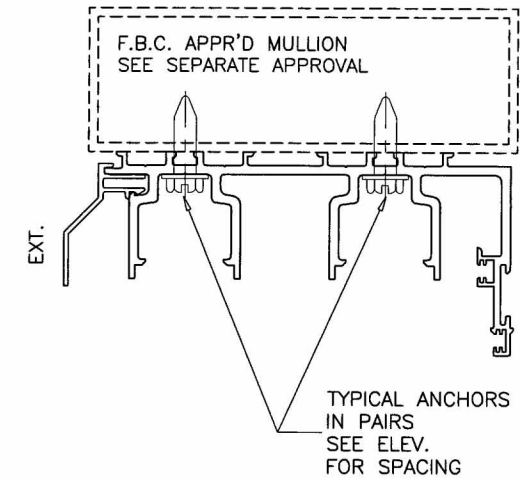
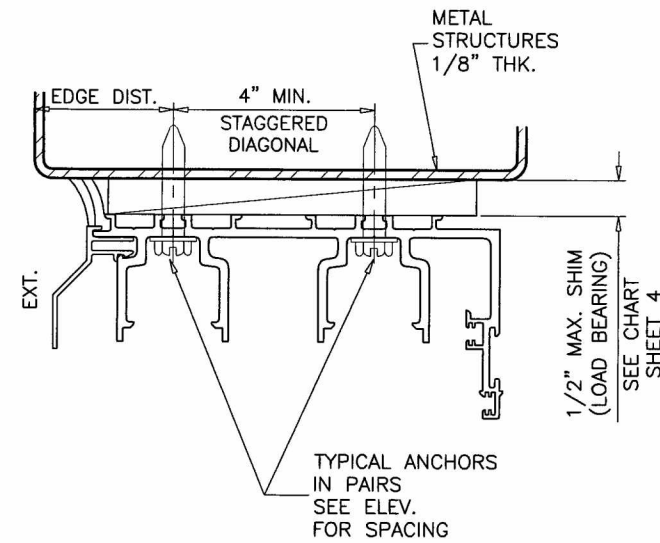
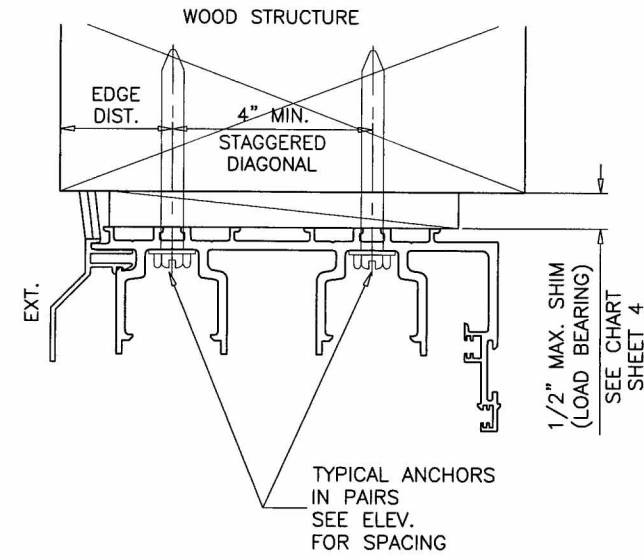
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1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY MR. GLASS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - **5/16" DIA. ULTRACON BY 'ELCO'** ($F_u=177$ KSI, $F_y=155$ KSI)

INTO WOOD STRUCTURES

1-7/8" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

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

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

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

DIRECTLY INTO CONC. OR MASONRY

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

1-3/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

TYPE 'B' - **5/16" DIA. ULTRACON BY 'ELCO'** ($F_u=177$ KSI, $F_y=155$ KSI)

DIRECTLY INTO CONCRETE

1-3/4" MIN. EMBED (HEAD/SILL)

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

INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

INTO F.B.C. APPROVED MULLIONS

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

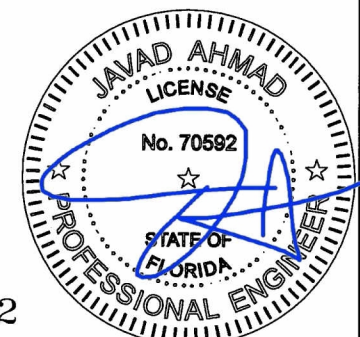
INTO WOOD STRUCTURE = 1" MIN.

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 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.



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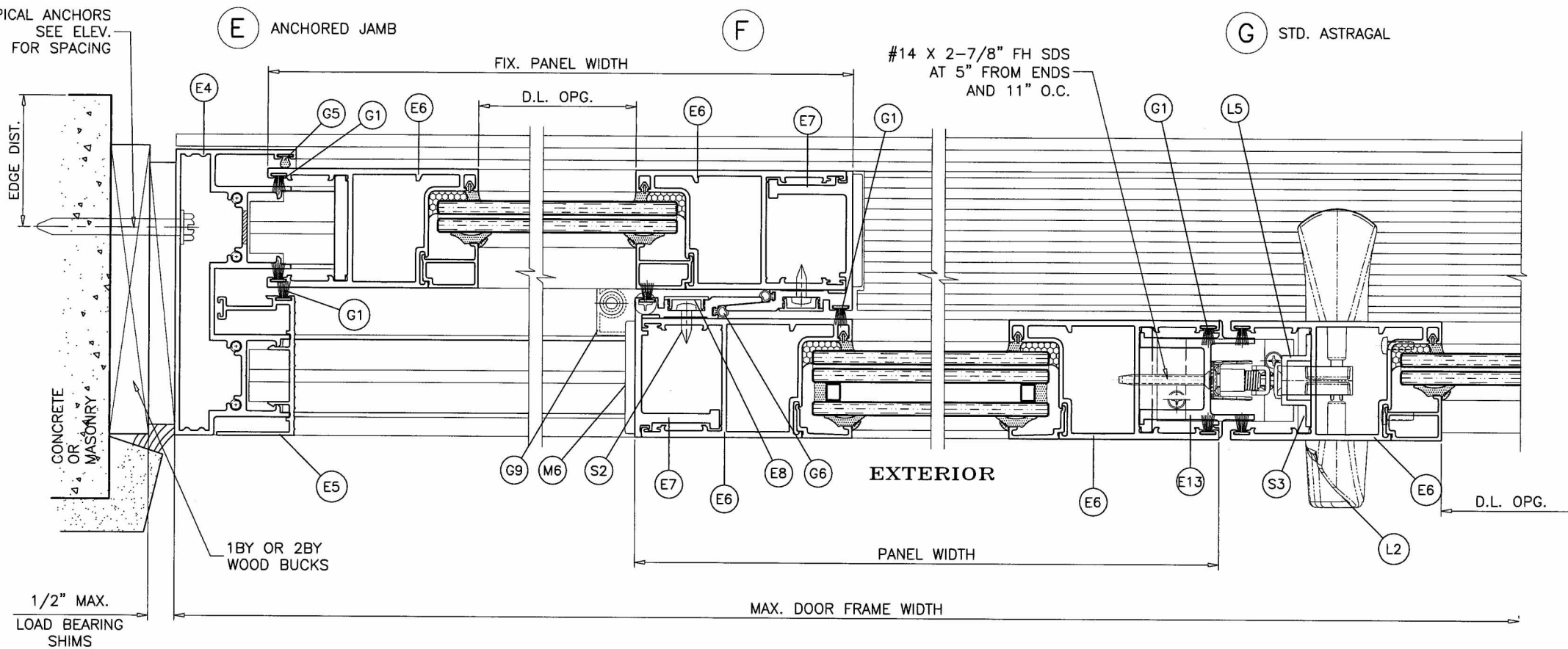
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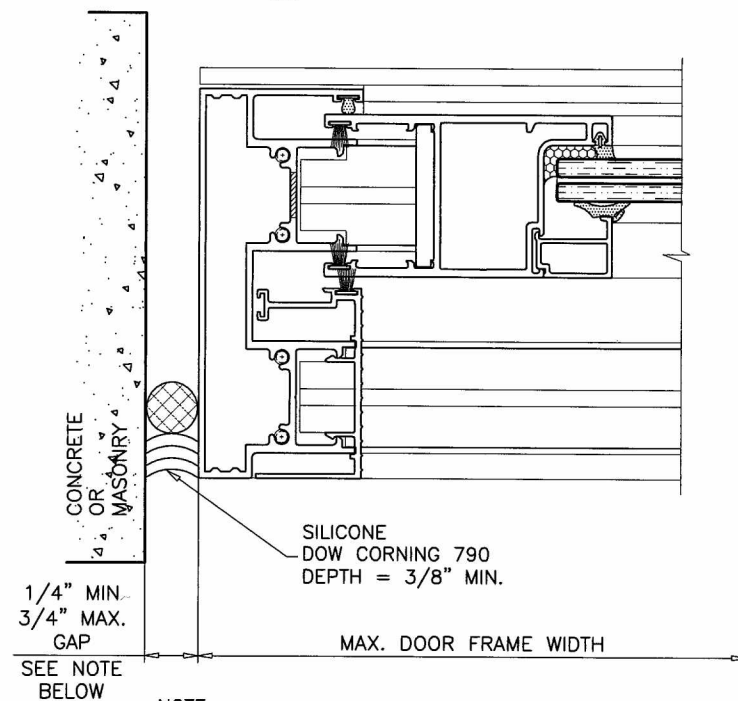
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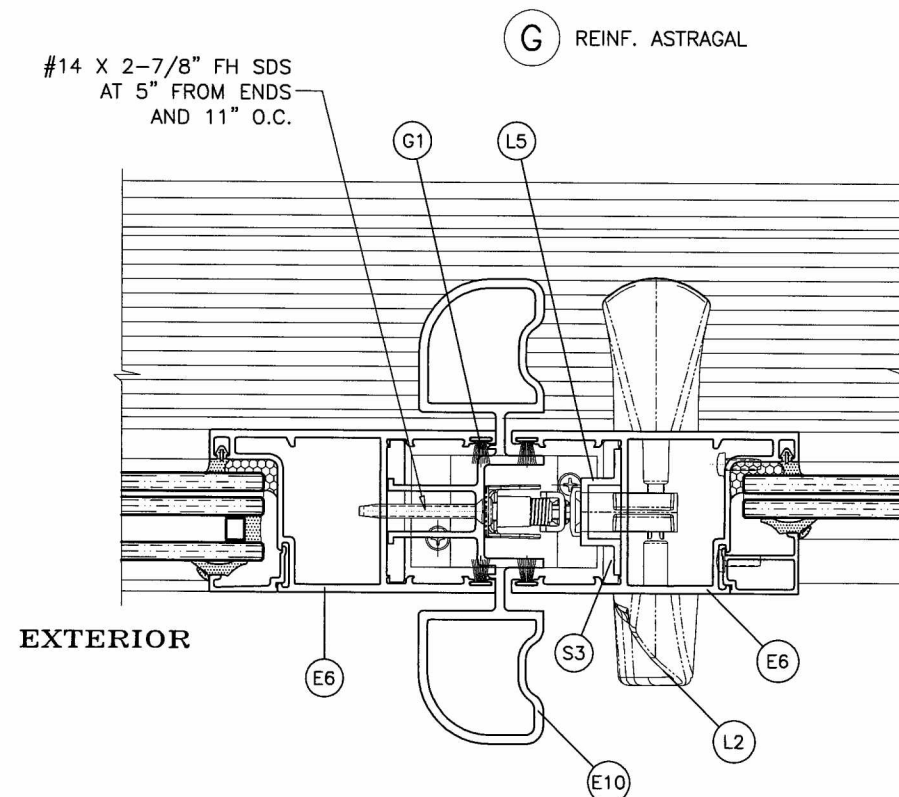
TYPICAL ANCHORS
SEE ELEV.
FOR SPACING



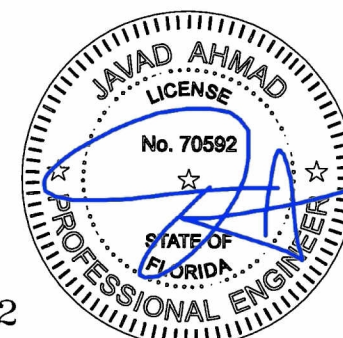
(E1) UNANCHORED JAMB



NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION
MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL
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\"/>



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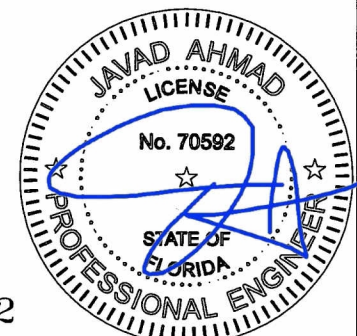
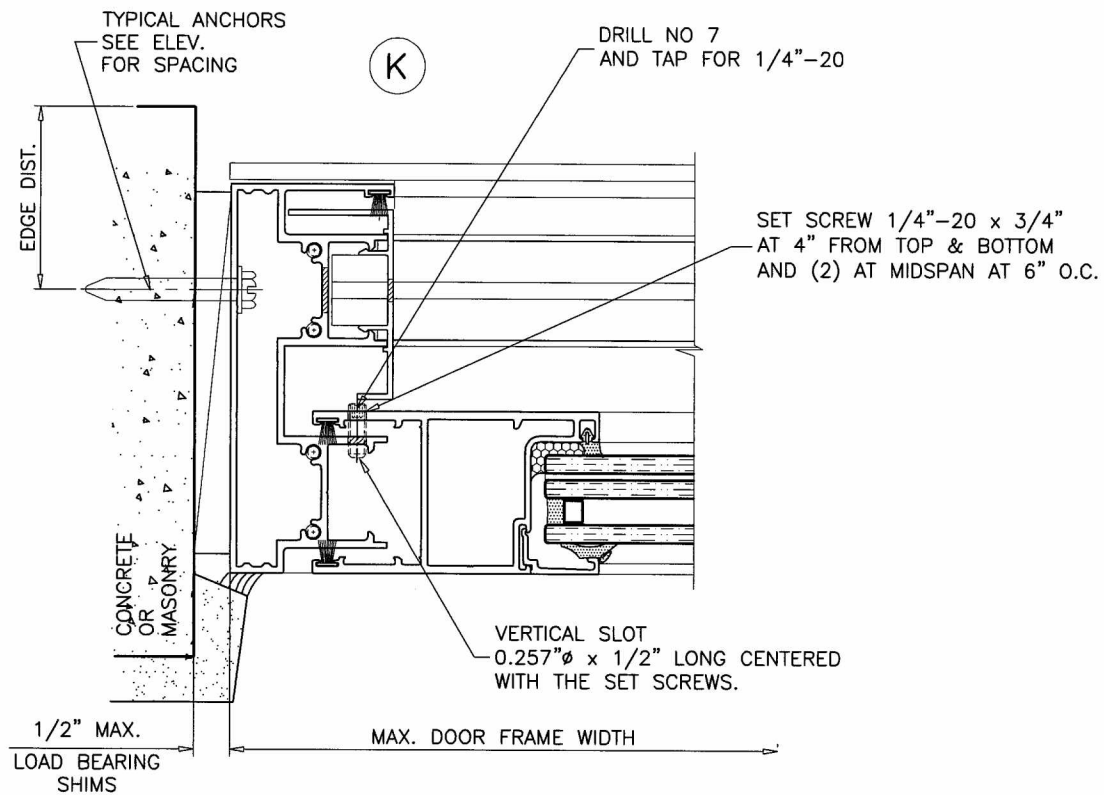
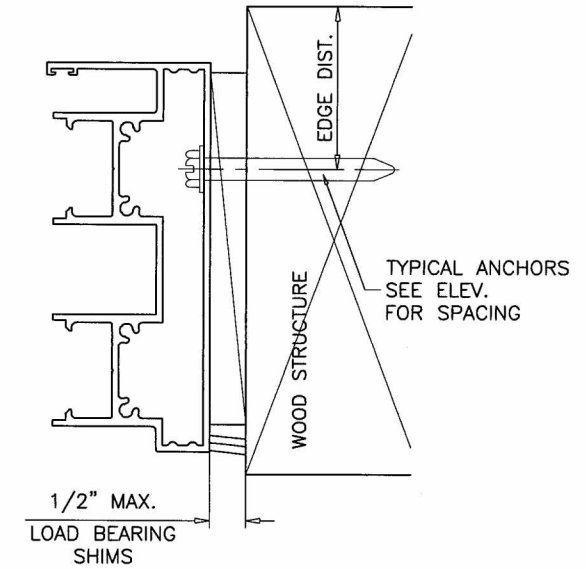
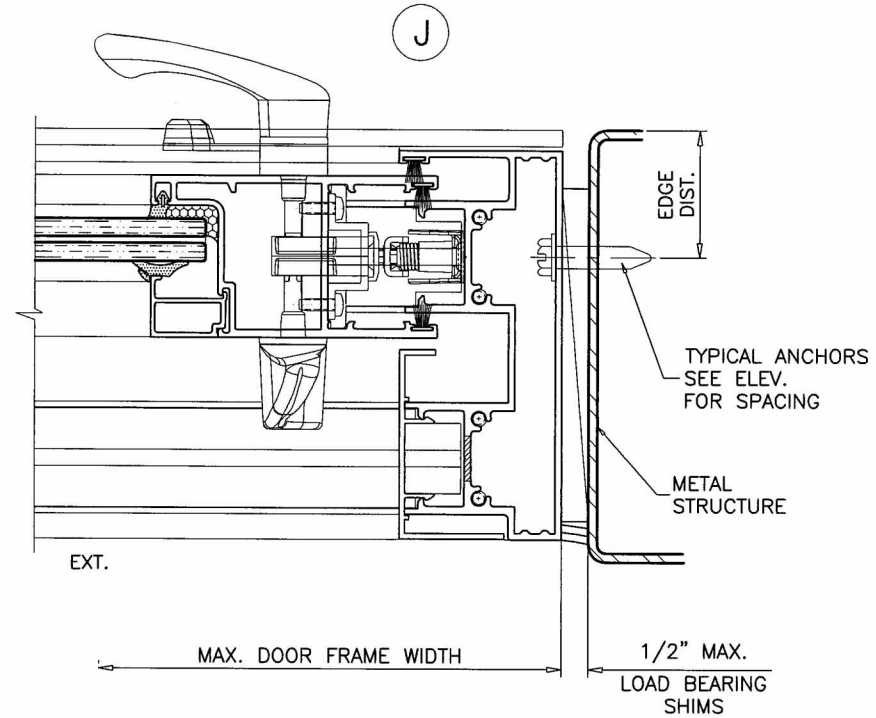
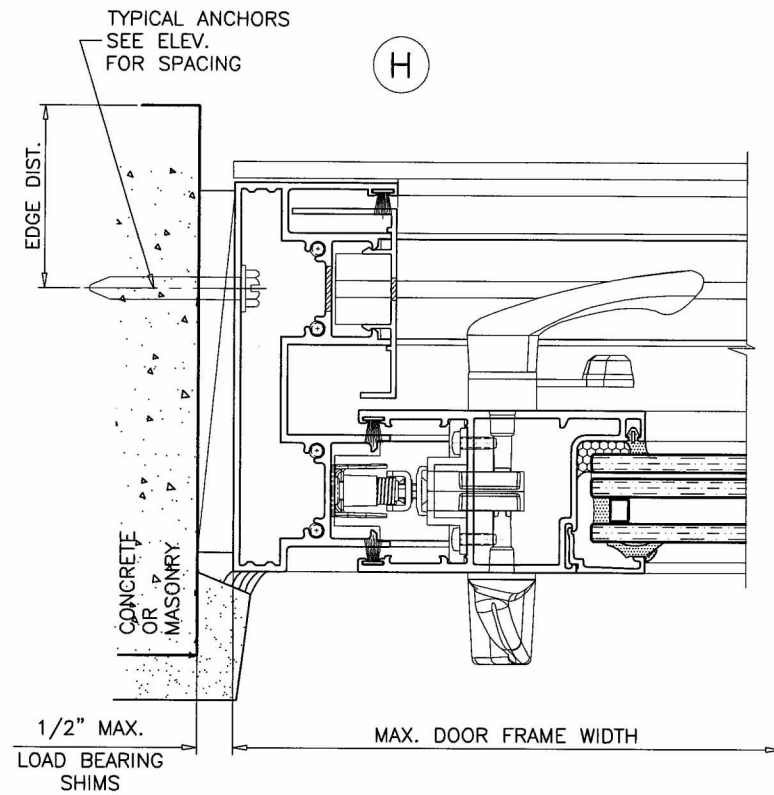
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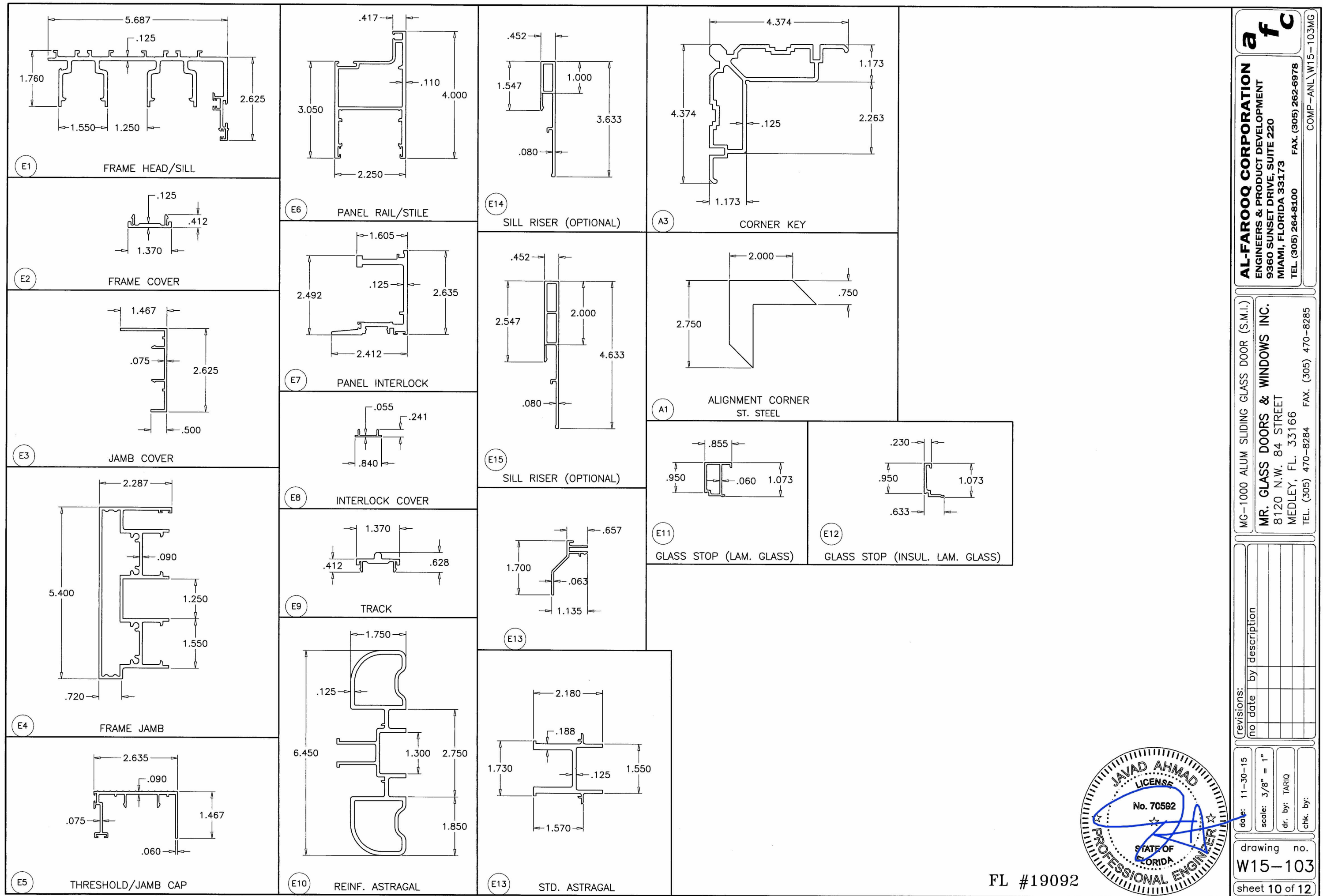
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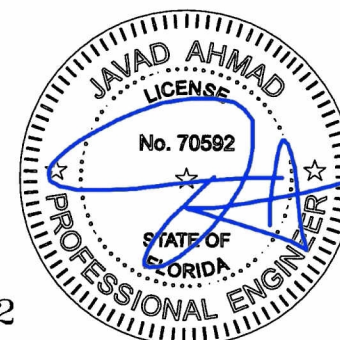
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| ITEM # | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|---------------|---------------|---|------------------|--------------------------------------|
| E1 | 1000-E-1001 | 2 | FRAME HEAD/SILL | 6005-T5 | - |
| E2 | - | AS REQD. | FRAME COVER | 6063-T5 | - |
| E3 | - | AS REQD. | JAMB COVER | 6063-T5 | - |
| E4 | 1000-E-1002 | 2 | FRAME JAMB | 6063-T6 | - |
| E5 | 1000-E-1005 | AS REQD. | THRESHOLD/JAMB CAP | 6063-T5 | - |
| E6 | 1000-E-1010 | AS REQD. | PANEL RAIL/STILE | 6005-T5 | - |
| E7 | 1000-E-1011 | AS REQD. | PANEL INTERLOCK | 6005-T5 | - |
| E8 | 1000-E-1018 | AS REQD. | INTERLOCK COVER | 6063-T5 | - |
| E9 | 1000-E-1007 | 1/ MOV. PANEL | TRACK | 6005-T5 | - |
| E10 | 1000-E-1013 | AS REQD. | REINF. ASTRAGAL | 6005-T5 | - |
| E11 | 1000-E-9001 | 4/ PANEL | GLASS STOP (LAM. GLASS) | 6063-T6 | - |
| E12 | 1000-E-9002 | 4/ PANEL | GLASS STOP (INSUL. LAM. GLASS) | 6063-T6 | - |
| E13 | 1000-E-1012 | AS REQD. | STD. ASTRAGAL | 6005-T5 | - |
| E14 | MGR-1014 | AS REQD. | 3-5/8" SILL RISER | 6063-T6 | OPTIONAL |
| E15 | MGR-1019 | AS REQD. | 4-5/8" SILL RISER | 6063-T6 | OPTIONAL |
| | | | | | |
| G1 | W71325NK | AS REQD. | TRI FIN PILE W'STRIPPING | - | ULTRAFAB |
| G2 | - | AS REQD. | COMPRESSION GASKET | EPDM | DUROMETER 70±5 SHORE A |
| G3 | - | AS REQD. | OFFSET GLAZING GASKET | SANTOPRENE | DUROMETER 70±5 SHORE A |
| G4 | - | AS REQD. | WEDGE GASKET | EPDM | DUROMETER 70±5 SHORE A |
| G5 | E516 | AS REQD. | AIR SEAL GASKET | SANTOPRENE | ULTRAFAB |
| G6 | E238 | AS REQD. | INTERLOCK GASKET | POLYPROPYLENE | ULTRAFAB |
| G8 | - | - | 1/4" THK. FOAM PAD | POLYETHYLENE | - |
| G9 | - | - | AIR SEAL BRIDGE AT INTERLOCK | POLYAMIDE | - |
| G10 | - | - | AIR SEAL BRIDGE AT MTG. STILE | POLYAMIDE | - |
| G11 | - | AS REQD. | SETTING BLOCKS | EPDM | DUROMETER 80±5 SHORE A |
| | | | | | |
| A1 | - | - | ALIGNMENT CORNER | ST. STEEL | - |
| A3 | - | - | CORNER KEY | 6063-T6 | - |
| | | | | | |
| L1 | PS01-7002 | - | 2 POINT MORTISE LOCK & HANDLE | - | INTERLOCK |
| L2 | PS01-7102 | - | 2 POINT MORTISE LOCK & HANDLE | - | INTERLOCK |
| L3 | PS01-1005 | - | ADJUSTABLE STRIKER | - | INTERLOCK |
| L5 | - | - | LOCK RECIEVER | 6063-T5 | - |
| | | | | | |
| M1 | - | 2 PANEL | ROLLER ASSEMBLY AT 9" FROM ENDS | ST. STEEL/ACETAL | FASTENED WITH (2) 12-24 X 3/4" PH MS |
| M6 | - | AS REQD. | PANEL GUIDES | NYLON | - |
| M7 | - | AS REQD. | PANEL GUIDES | NYLON | - |
| | | | | | |
| S1 | #12 X 1 1/2" | 4/ CORNER | FRAME ASSEMBLY FASTENERS | ST. STEEL | HWH SDS |
| S2 | 10-24 X 1/2" | AS REQD. | INTERLOCK FASTENERS, AT 6" FROM ENDS AND 12" O.C. | ST. STEEL | PH TC MS |
| S3 | #8-18 X 1/2" | AS REQD. | LOCK RECIEVER FASTENERS | AISI 304 | PHILIP PH SMS |
| S4 | 1/4-20 X 1/2" | AS REQD. | PANEL ASSEMBLY FASTENERS | ST. STEEL | FH SMS |

SEALANT:

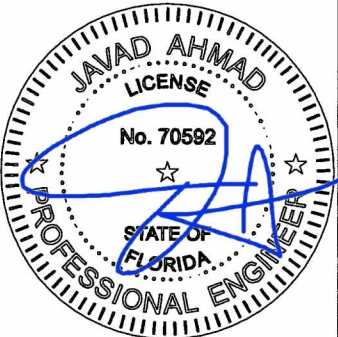
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

LOCKS:

SURFACE MOUNT METALLIC THREE PLY DUAL HOOK LOCK AT 38-1/2" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) 10-24 X 1/2" FH TC MS

SURFACE MOUNT METALLIC HANDLE AT 38-1/2" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) 8-32 X 2-5/8" FH MS

SURFACE MOUNT METALLIC KEEPER FACING LOCK AT 38 1/2" FROM BOTTOM
FASTENED WITH
(1) #14 X 2-7/8" FH SDS AND
(1) 12-24 X 1/2" PH MS



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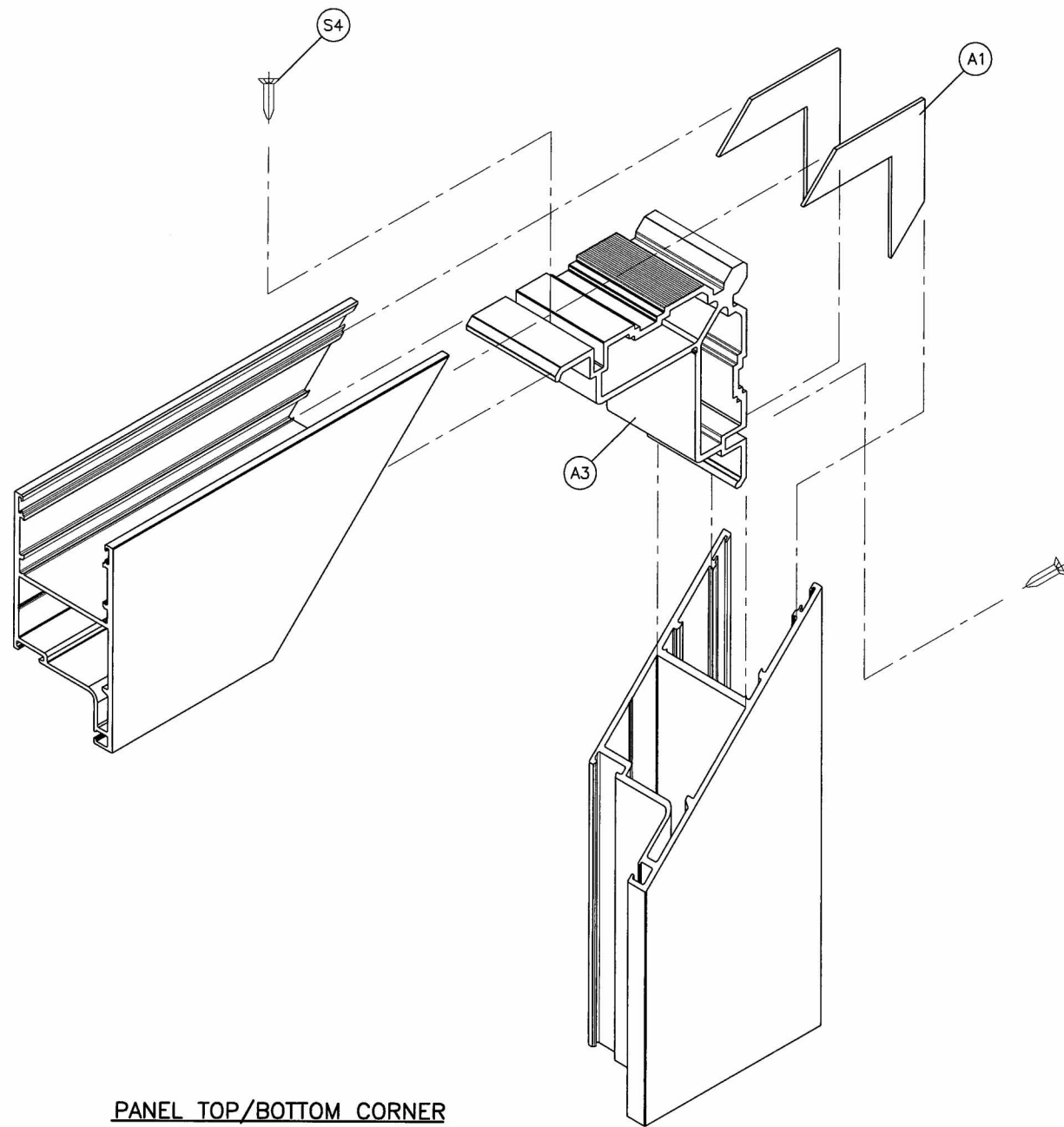
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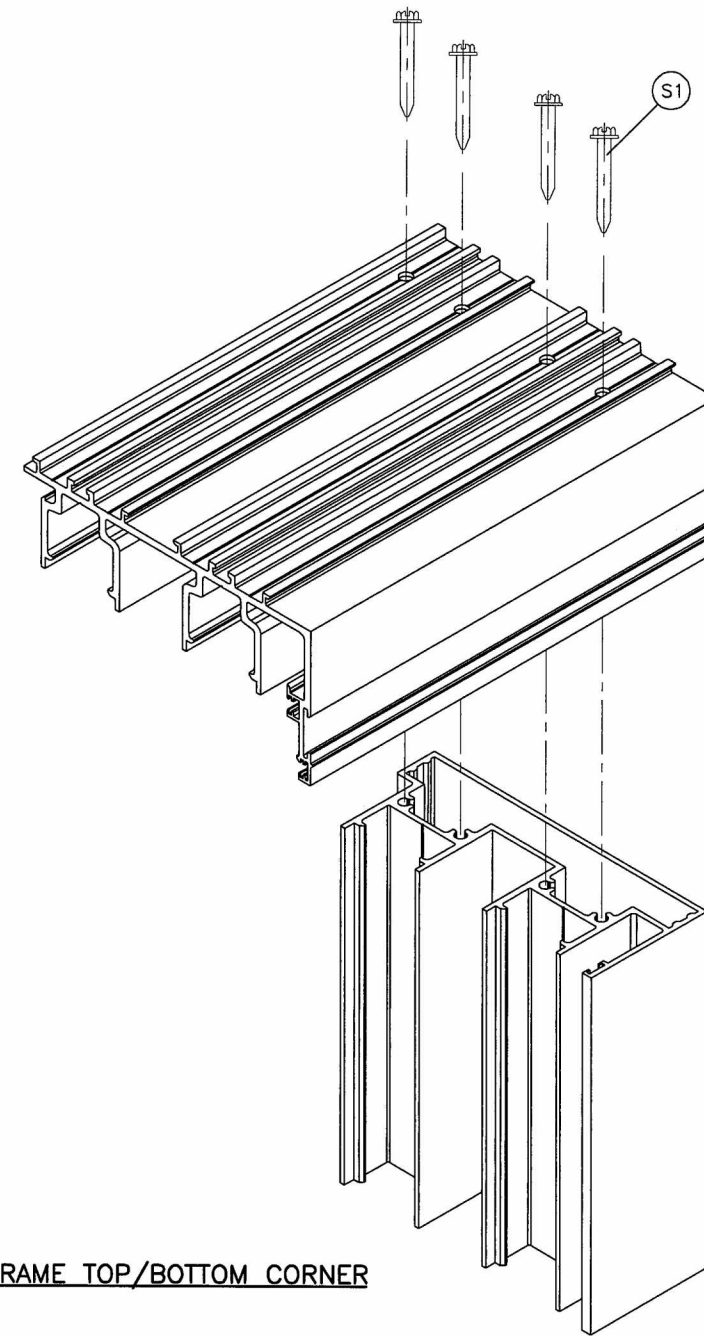
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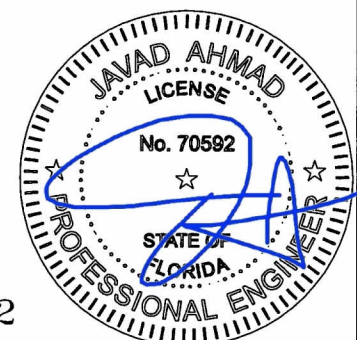


PANEL TOP/BOTTOM CORNER



FRAME TOP/BOTTOM CORNER

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