

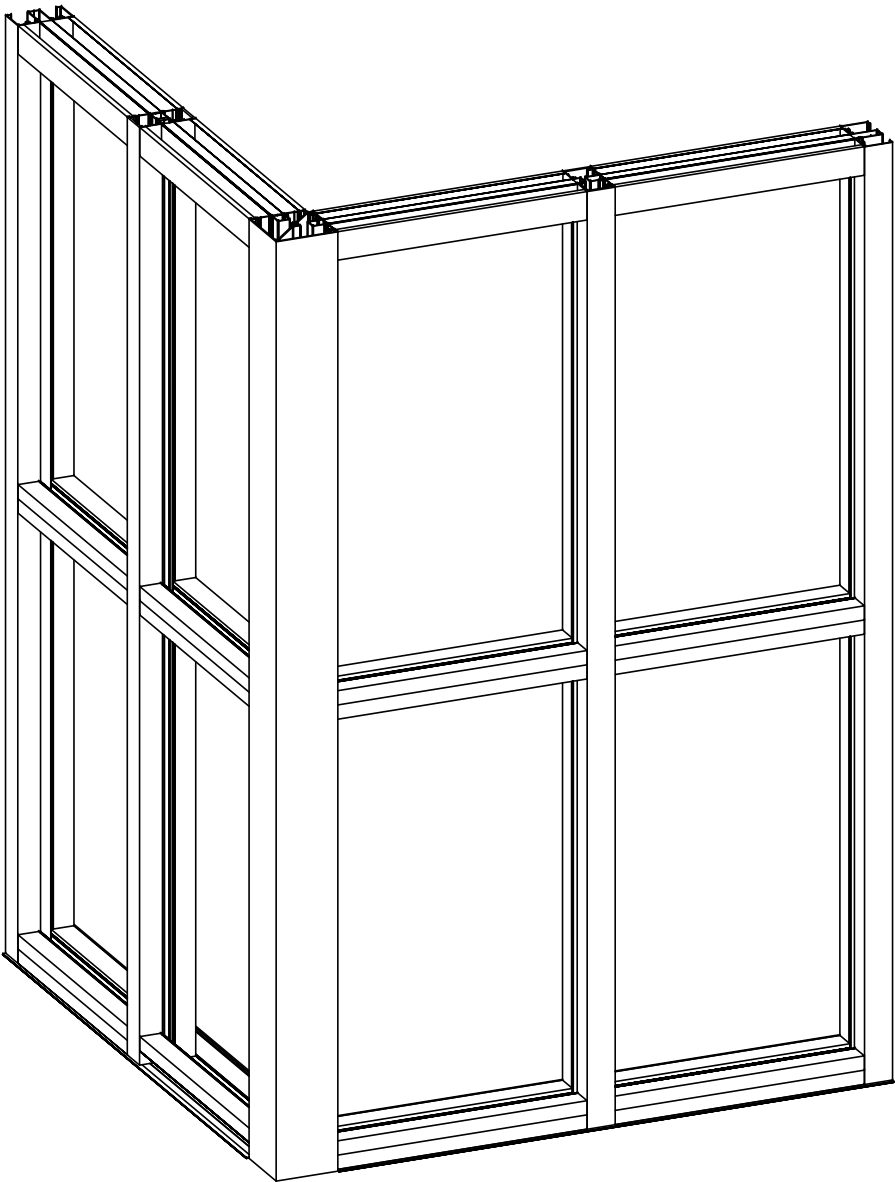
Oldcastle BuildingEnvelope®

FG-5700 STORMMAX® STOREFRONT SYSTEM

MONOLITHIC IMPACT STOREFRONT

LARGE MISSILE (WET AND DRY GLAZED)

FOR HIGH VELOCITY HURRICANE ZONES



TERMINOLOGY:

THE FOLLOWING ABBREVIATIONS APPEAR IN THIS APPROVAL:  
"FBC" FOR "FLORIDA BUILDING CODE", "CORP." FOR "CORPORATION", "ALUM" FOR "ALUMINUM", "ASD" FOR "ALLOWABLE STRESS DESIGN", "ASTM" FOR "AMERICAN SOCIETY FOR TESTING AND MATERIALS", "CONN" FOR "CONNECTION", "EMBED" FOR "EMBEDMENT", "DIST." FOR "DISTANCE", "GA" FOR "GAUGE", "HVHZ" FOR "HIGH-VELOCITY HURRICANE ZONE", "LB" FOR "POUND", "MAX" FOR "MAXIMUM", "N.T.S." FOR "NOT TO SCALE", "PSF" FOR "POUNDS PER SQUARE FOOT (lb/ft²)", "KSI" FOR "KILOPOUNDS PER SQUARE INCH (klb/in²)", "SPECS" FOR "SPECIFICATIONS", "&" FOR "AND", "MAX" FOR "MAXIMUM", "W/" FOR "WITH", "EXIST." FOR "EXISTING", "STRUCT." FOR "STRUCTURE", "SHT" FOR "SHEET", "REF" FOR "REFERENCE", "D.L.O" FOR "DAYLIGHT OPENING". CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

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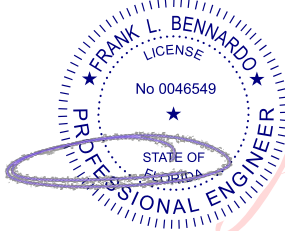
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FOR SITE-SPECIFIC DEVIATIONS  
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FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



AUGUST 13, 2026

Digitally signed by  
Frank Bennardo  
Date: 2026.08.18  
15:20:12 -04'00'

NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE IN FLORIDA OR ANY OTHER STATE SHALL REQUIRE A REVIEW & CERTIFICATION BY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THAT STATE, WHO SHALL BE RESPONSIBLE FOR THE CONTENT & PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE FOR ASSISTANCE WITH YOUR PROJECT NEEDS.

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GENERAL NOTES:

- THE SYSTEM AND GLASS TYPES DESCRIBED HEREIN COMPLY AND HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 9TH EDITION (2026) PER
  - ASTM E330, E331, E283
  - TAS 201 / 202 / 203
  - AAMA 501
  - ANSI Z97.1 (400 ft-lb. IMPACT)
  - ALUMINUM DESIGN MANUAL 2020, ASCE 7-22
- FOR USE **WITHIN AND OUTSIDE** THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- GLASS UNIT(S) SHALL ME THE REQUIREMENTS OF ASTM E-1300.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
- IF SLOPED GLAZING IS NEEDED, IT SHALL BE ALLOWED UNDER SITE SPECIFIC ENGINEERING. DESIGN MUST BE CHECKED AND APPROVED BY A PROFESSIONAL ENGINEER AND THE MANUFACTURER(S).
- UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.

DESIGN PRESSURE

- WATER INFILTRATION 15 PSF
  - AIR INFILTRATION 6.24 PSF
  - MAXIMUM DESIGN PRESSURE = +/- 90 PSF
  - ALL ALUMINUM EXTRUSIONS SHALL BE MADE FROM 6063-T6 ALLOY AND TEMPER THIS PRODUCT HAS BEEN DESIGNED, ENGINEERED AND TESTED TO COMPLY WITH CURRENT FLORIDA BUILDING CODE.
  - MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF CURRENT FLORIDA BUILDING CODE.
17. FOR PERMANENT OUTDOOR INSTALLATIONS, ALL EXPOSED ANCHORS, FASTENERS, CONNECTORS, AND METAL PLATES SHALL BE CORROSION RESISTANT. CORROSION RESISTANCE MAY BE PROVIDED BY INHERENT MATERIAL COMPOSITION OR, WHERE PERMITTED BY CODE, BY AN APPROVED PROTECTIVE COATING OR GALVANIZATION. WHERE APPLICABLE NEAR A SALTWATER COASTLINE, SUCH COMPONENTS SHALL COMPLY WITH FBC SECTION 1711, INCLUDING APPLICABLE REQUIREMENTS FOR EXPOSED, PROTECTED, OR ENCLOSED CONDITIONS. MATERIALS, COATINGS, AND FINISHES SHALL BE COMPATIBLE WITH CONNECTED MATERIALS, AND PROTECTIVE COATINGS SHALL BE CONTINUOUS OVER EXPOSED SURFACES. FASTENERS USED WITH ALUMINUM MEMBERS SHALL ALSO COMPLY WITH SECTION J.3.7.2 OF THE ALUMINUM DESIGN MANUAL, "SPECIFICATION FOR ALUMINUM STRUCTURES." SUBSTITUTION OF COMPONENTS FROM ALTERNATE MANUFACTURERS, OR WITH DIFFERENT MATERIALS, COATINGS, OR FINISHES, SHALL NOT BE ASSUMED EQUIVALENT AND MAY REQUIRE ADDITIONAL ENGINEERING REVIEW OR SITE-SPECIFIC ANALYSIS.

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FLORIDA STATEWIDE APPROVAL (FSA FL#20665.1)

| REMARKS                   | DATE     | DRWN | CHKD |
|---------------------------|----------|------|------|
| INIT ISSUE (WAS 20-29229) | 09/17/20 | JEM  | AJP  |
| 2023 FBC (23-59866a)      | 08/30/23 | SQ   | RS   |
| 2026 FBC UPDATE           | 08/13/26 | AEG  | RS   |
|                           |          |      |      |
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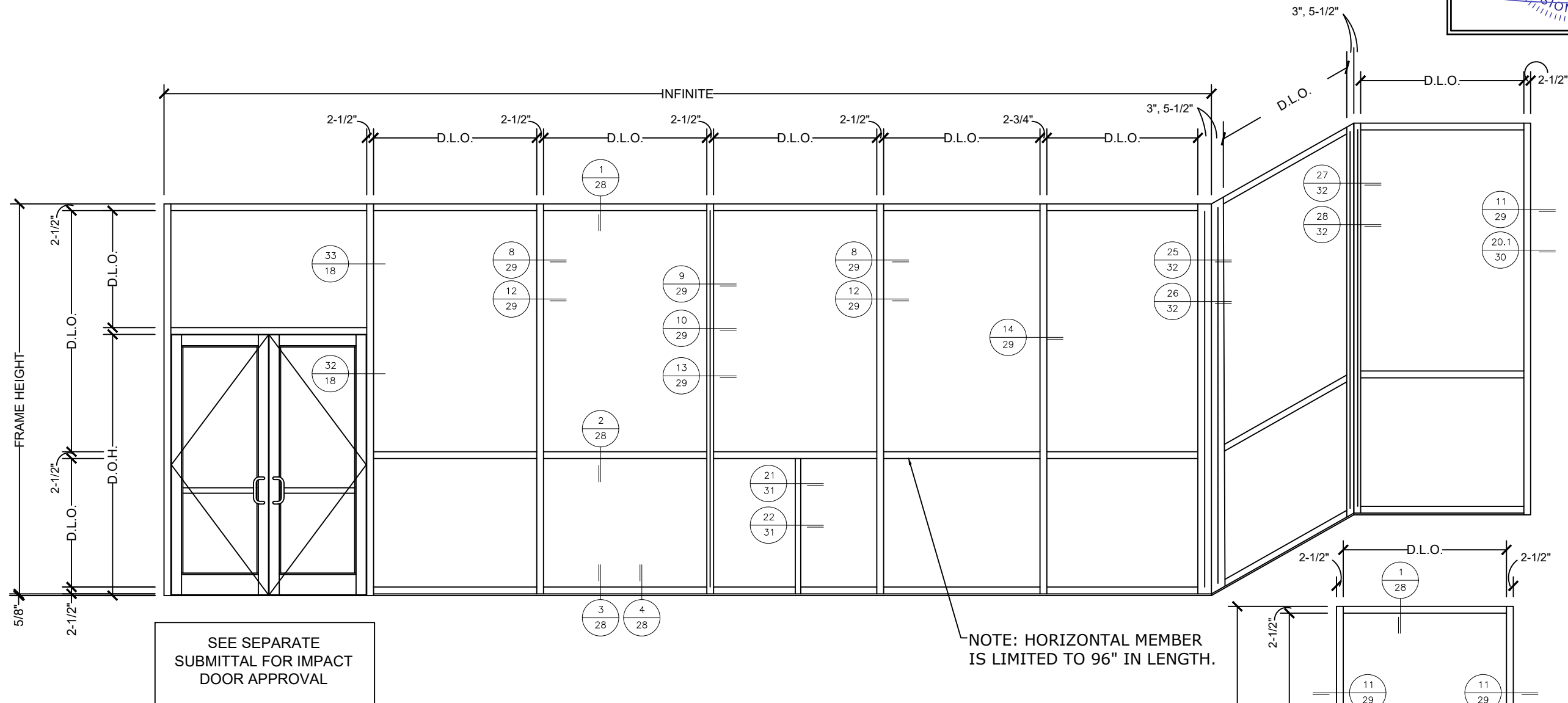
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**OUTSIDE DRY AND WET GLAZED ELEVATIONS**  
**(DEPICTED WITH FG-5712 SUB SILL)**

## INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING

STEP ①: USE THE GLASS LOADING TABLES TO DETERMINE THE ALLOWABLE PRESSURE OF THE GLASS.

STEP ②: USE THE MULLION LOADING TABLE TO DETERMINE THE ALLOWABLE PRESSURES FOR THE MULLIONS  
NOTE: TO DETERMINE THE LOADS OF THE MULLIONS, SEE DIAGRAM ON PAGE 9

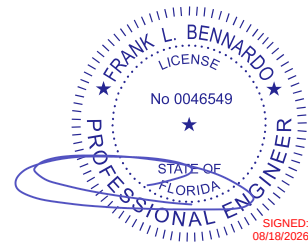
STEP (3): THE MINIMUM VALUE BETWEEN STEP (1) AND STEP (2) WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.

STEP 4 LESSOR OF SILL / HEAD ALLOWABLE PRESSURE (PAGE 28) AND FASTENER SCHEDULE (PAGES 15-24) MUST MEET OR EXCEED DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.

DOORS ARE SHOWN BY SEPARATE APPROVAL  
LESSER PRESSURE WILL PREVAIL ON COMBINED PRODUCTS  
MINIMUM SHIM SPACE REQUIRED 1/4", MAXIMUM SHIM SPACE 1/2"

### TYPICAL SINGLE PANEL OPENING

FRAME SIZE FOR SINGLE OPENINGS  
SHALL BE GOVERNED BY THE MAXIMUM  
ALLOWABLE D.L.O. DIMENSIONS  
DISPLAYED ON THE GLASS CHARTS



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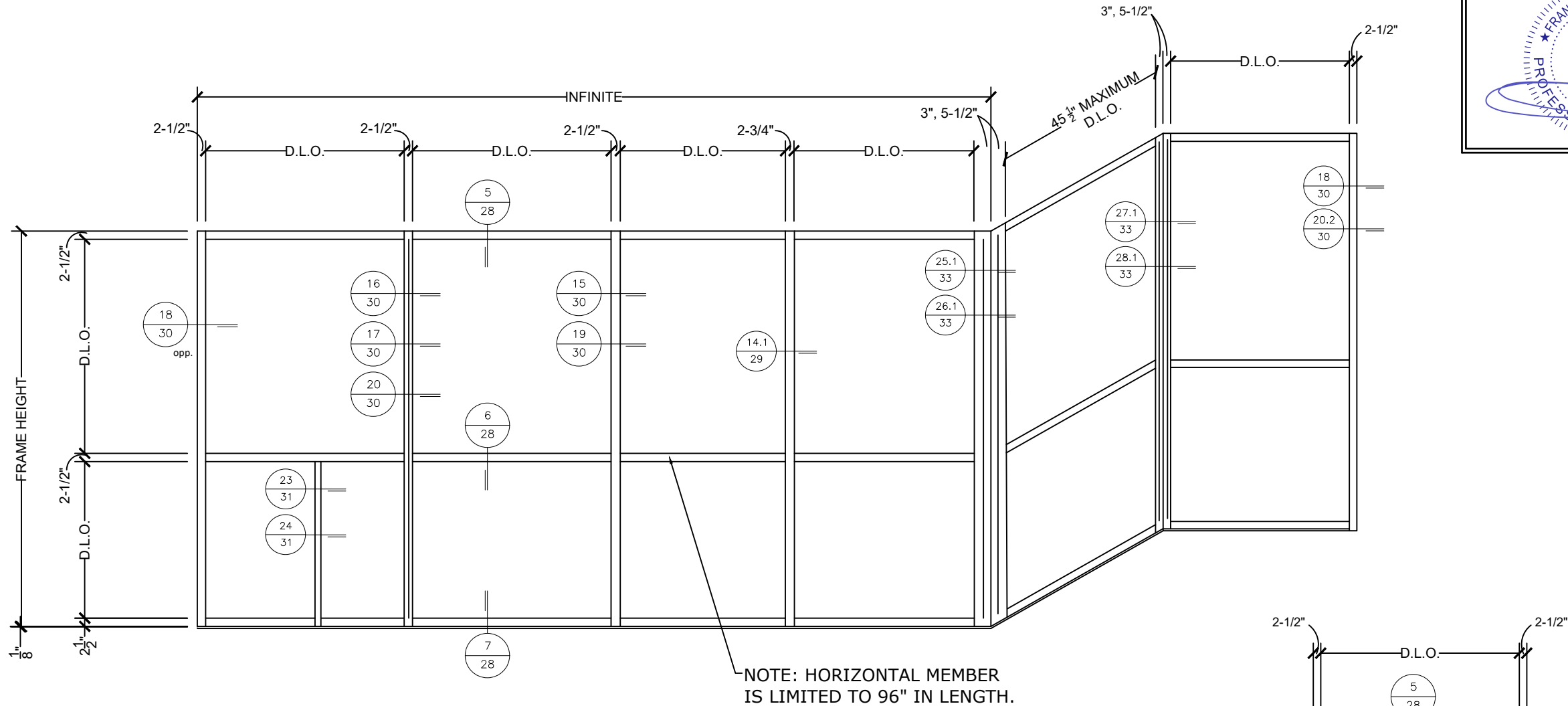
| REMARKS                   | DRWN | CHKD | DATE     |
|---------------------------|------|------|----------|
| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           |      |      |          |
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**INSIDE DRY GLAZED ELEVATIONS  
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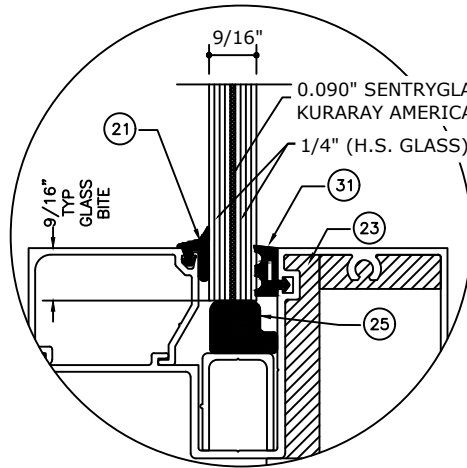
**INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING**

- STEP ①: USE THE GLASS LOADING TABLES TO DETERMINE THE ALLOWABLE PRESSURE OF THE GLASS.
- STEP ②: USE THE MULLION LOADING TABLE TO DETERMINE THE ALLOWABLE PRESSURES FOR THE MULLIONS  
NOTE: TO DETERMINE THE LOADS OF THE MULLIONS, SEE DIAGRAM ON PAGE 9
- STEP ③: THE MINIMUM VALUE BETWEEN STEP ① AND STEP ② WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.
- STEP ④: LESSER OF SILL / HEAD ALLOWABLE PRESSURE (PAGE 25) AND FASTENER SCHEDULE (PAGES 15-24) MUST MEET OR EXCEED DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.

DOORS ARE SHOWN BY SEPARATE APPROVAL  
LESSER PRESSURE WILL PREVAIL ON COMBINED PRODUCTS  
MINIMUM SHIM SPACE REQUIRED 1/4", MAXIMUM SHIM SPACE 1/2"

**TYPICAL SINGLE PANEL OPENING**

FRAME SIZE FOR SINGLE OPENINGS  
SHALL BE GOVERNED BY THE MAXIMUM  
ALLOWABLE D.L.O. DIMENSIONS  
DISPLAYED ON THE GLASS CHARTS

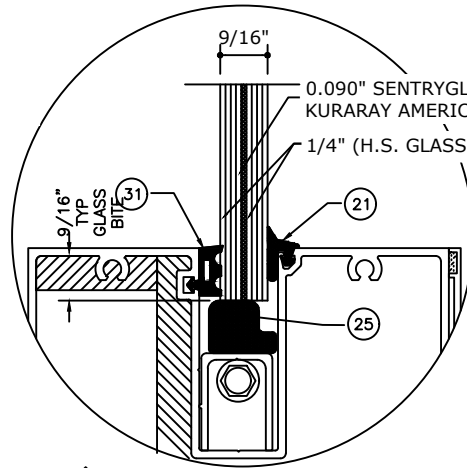
GLASS TYPE  G1

### GLAZING DETAIL (DRY GLAZED)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D  
9/16" GLASS

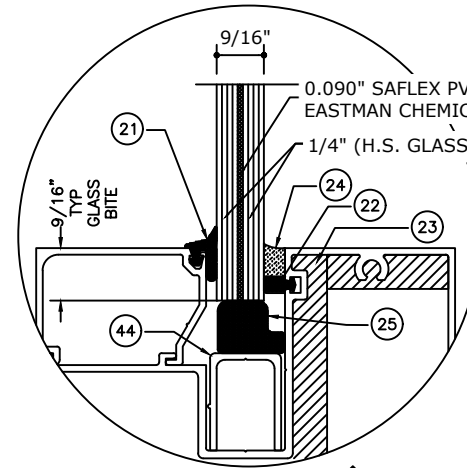
GLASS TYPE  G2

### GLAZING DETAIL (WET GLAZED)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D  
9/16" GLASS

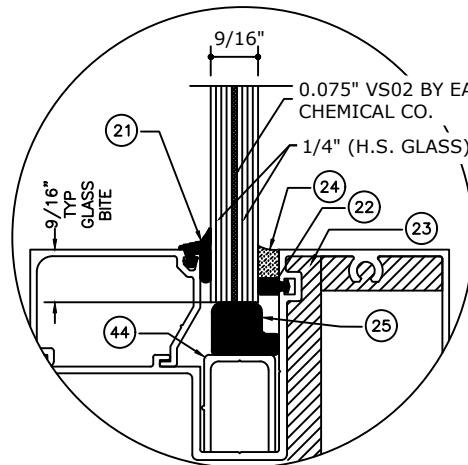
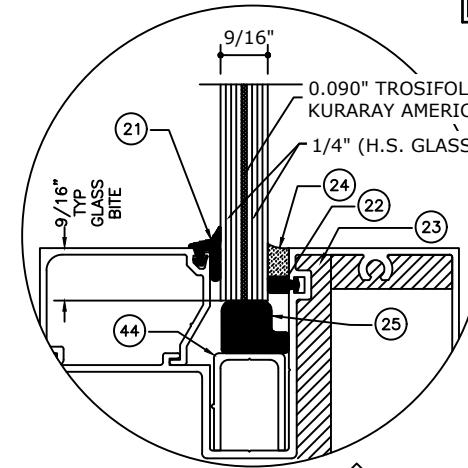
GLASS TYPE  G3

### GLAZING DETAIL (WET GLAZED)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D  
9/16" GLASS

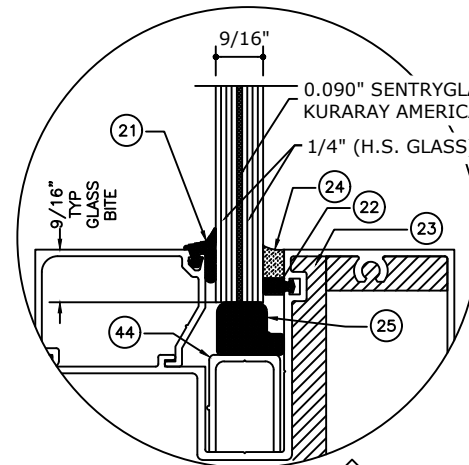
GLASS TYPE 

### GLAZING DETAIL (WET GLAZED)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D  
9/16" GLASS

GLASS TYPE 

### GLAZING DETAIL (WET GLAZED)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D  
9/16" GLASS

NOTE: GLAZING TYPE COMPLIES  
WITH ASTM E1300 REQUIREMENTS.

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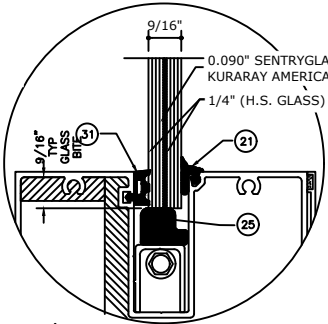
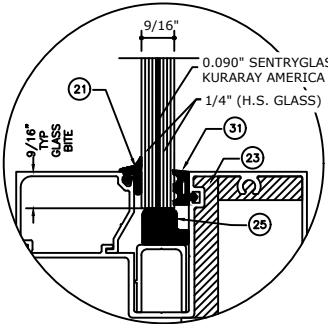
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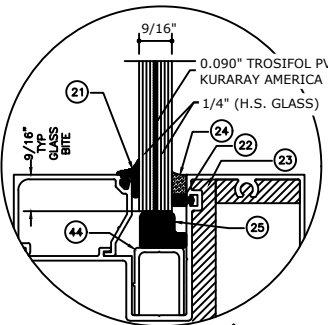
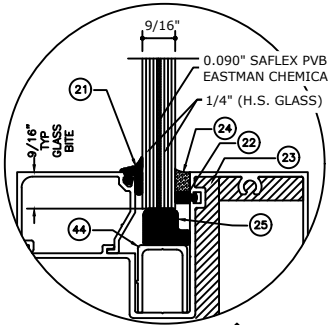
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# GLASS LOADING TABLES

| GLASS TYPES        |                   | G1                 |           | G2                 |           | G3                 |           | G4                 |           | G5                 |           |
|--------------------|-------------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                    |                   | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           |
| D.L.O. HEIGHT (in) | D.L.O. WIDTH (in) | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 54                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 57 1/2            | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 60                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 66                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 72                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
| 60                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | 48                 | 48        | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 60                 | 60        | 47                 | 47        | 70                 | 80        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | 45                 | 45        | 67                 | 76        | 72                 | 72        |
|                    | 66                | 57                 | 67        | 57                 | 57        | 45                 | 45        | 67                 | 76        | 72                 | 72        |
|                    | 72                | 57                 | 67        | 57                 | 57        | 45                 | 45        | 67                 | 76        | 72                 | 72        |
| 66                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | 48                 | 48        | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 60                 | 60        | 47                 | 47        | 70                 | 80        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | 45                 | 45        | 67                 | 76        | 72                 | 72        |
|                    | 66                | 52                 | 60        | 52                 | 52        | -                  | -         | 60                 | 69        | 65                 | 65        |
|                    | 72                | 52                 | 60        | 52                 | 52        | -                  | -         | 60                 | 69        | 65                 | 65        |
| 72                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | 48                 | 48        | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 60                 | 60        | 47                 | 47        | 70                 | 80        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | 45                 | 45        | 67                 | 76        | 72                 | 72        |
|                    | 66                | 52                 | 60        | 52                 | 52        | -                  | -         | 60                 | 69        | 65                 | 65        |
|                    | 72                | 47                 | 55        | 47                 | 47        | -                  | -         | 55                 | 63        | 60                 | 60        |

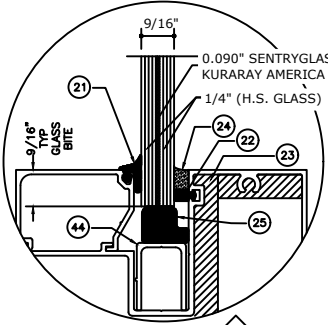
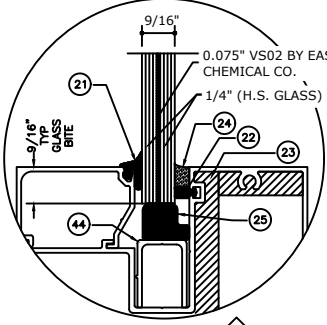


GLASS TYPE G1



GLASS TYPE G2

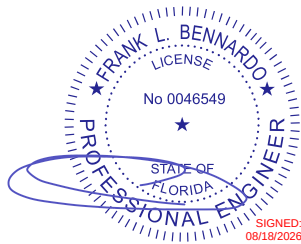
GLASS TYPE G3



GLASS TYPE G4

GLASS TYPE G5

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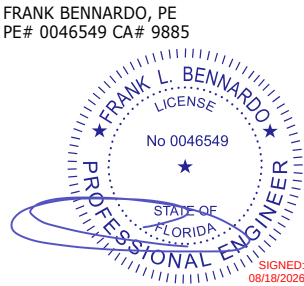
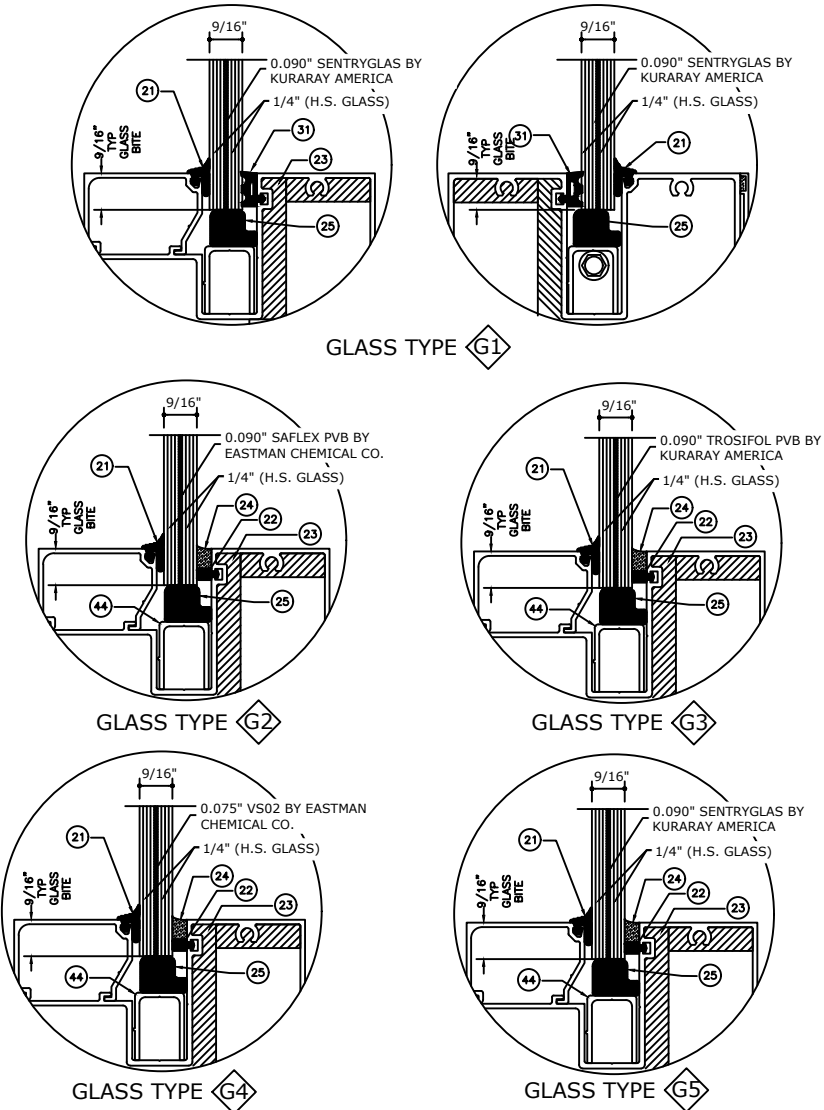
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GLASS LOADING TABLES

| GLASS TYPES        |                   | G1                 |           | G2                 |           | G3                 |           | G4                 |           | G5                 |           |
|--------------------|-------------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                    |                   | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           |
| D.L.O. HEIGHT (in) | D.L.O. WIDTH (in) | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 78                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | 50                 | 50        | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | -                  | -         | 67                 | 76        | 72                 | 72        |
| 84                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 59                 | 59        | -                  | -         | 69                 | 79        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | -                  | -         | 67                 | 76        | 72                 | 72        |
| 90                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | 56                 | 56        | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 59                 | 59        | -                  | -         | 70                 | 80        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | -                  | -         | 67                 | 76        | 72                 | 72        |
| 96                 | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 60                 | 60        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |
|                    | 54                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 80                 | 80        |
|                    | 56 1/4            | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 76                 | 76        |
|                    | 57 1/2            | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 75                 | 75        |
|                    | 60                | 57                 | 67        | 57                 | 57        | -                  | -         | 67                 | 76        | 72                 | 72        |



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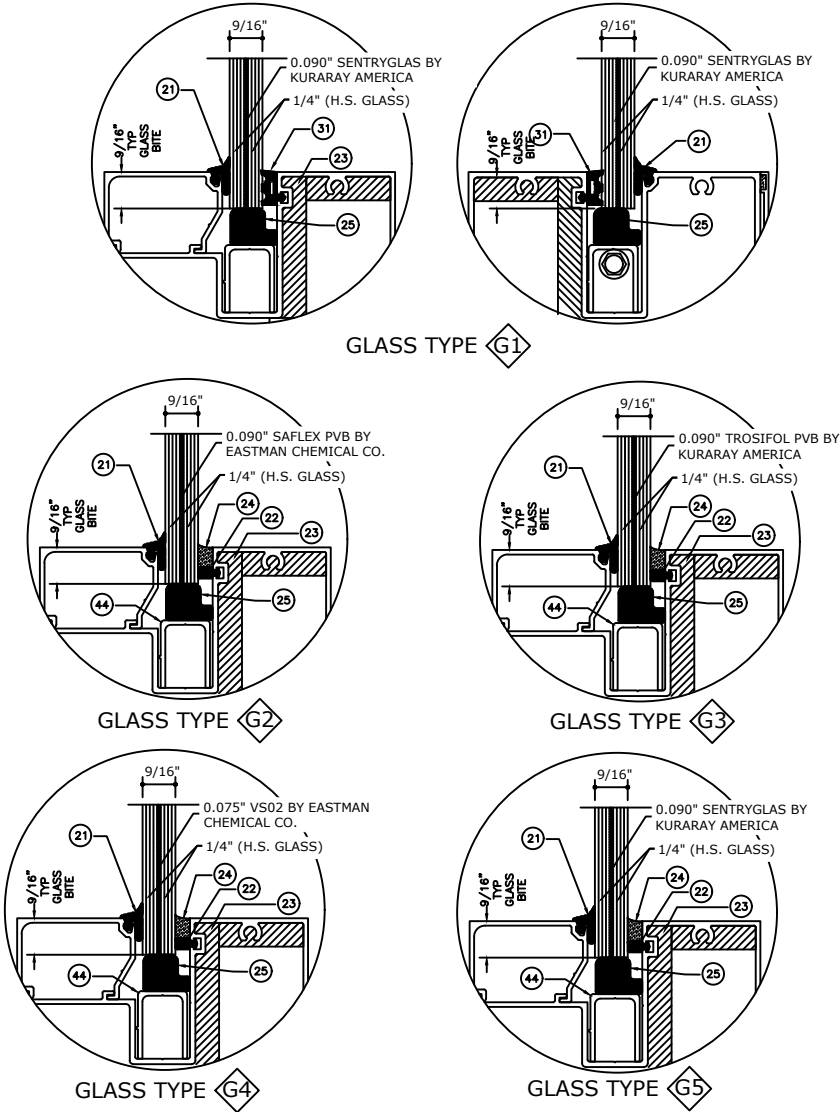
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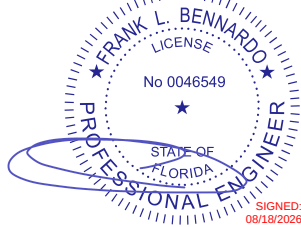
GLASS LOADING TABLES

| GLASS TYPES        |                   | G1                 |           | G2                 |           | G3                 |           | G4                 |           | G5                 |           |
|--------------------|-------------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                    |                   | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           |
| D.L.O. HEIGHT (in) | D.L.O. WIDTH (in) | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 103                | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 60                 | 60        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |
| 108                | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 60                 | 60        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |
| 115                | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 60                 | 60        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |
|                    | 48                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |
| 120                | 24                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 30                | 60                 | 70        | 65                 | 65        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 36                | 60                 | 70        | 60                 | 60        | 65                 | 65        | 70                 | 80        | 90                 | 90        |
|                    | 42                | 60                 | 70        | 60                 | 60        | -                  | -         | 70                 | 80        | 90                 | 90        |



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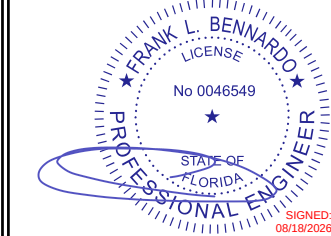
07 OF 37

# GLASS LOADING TABLES

| GLASS TYPES           |                      |  |           |  |           |  |           |  |           |  |           |
|-----------------------|----------------------|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|
|                       |                      | ALLOWABLE PRESSURE                                                                |           | ALLOWABLE PRESSURE                                                                 |           | ALLOWABLE PRESSURE                                                                  |           | ALLOWABLE PRESSURE                                                                  |           | ALLOWABLE PRESSURE                                                                  |           |
| D.L.O.<br>HEIGHT (in) | D.L.O.<br>WIDTH (in) | (+) P.S.F                                                                         | (-) P.S.F | (+) P.S.F                                                                          | (-) P.S.F | (+) P.S.F                                                                           | (-) P.S.F | (+) P.S.F                                                                           | (-) P.S.F | (+) P.S.F                                                                           | (-) P.S.F |
| 126                   | 24                   | 60                                                                                | 70        | 65                                                                                 | 65        | 65                                                                                  | 65        | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 30                   | 60                                                                                | 70        | 65                                                                                 | 65        | 65                                                                                  | 65        | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 36                   | 60                                                                                | 70        | 60                                                                                 | 60        | -                                                                                   | -         | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 42                   | 60                                                                                | 70        | 60                                                                                 | 60        | -                                                                                   | -         | 70                                                                                  | 80        | 90                                                                                  | 90        |
| 132                   | 24                   | 60                                                                                | 70        | 65                                                                                 | 65        | 65                                                                                  | 65        | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 30                   | 60                                                                                | 70        | 60                                                                                 | 60        | 65                                                                                  | 65        | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 36                   | 60                                                                                | 70        | 60                                                                                 | 60        | -                                                                                   | -         | 70                                                                                  | 80        | 90                                                                                  | 90        |
| 144                   | 24                   | 60                                                                                | 70        | 65                                                                                 | 65        | 65                                                                                  | 65        | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 30                   | 60                                                                                | 70        | 60                                                                                 | 60        | 65                                                                                  | 65        | 70                                                                                  | 80        | 90                                                                                  | 90        |
|                       | 36                   | 60                                                                                | 70        | 60                                                                                 | 60        | -                                                                                   | -         | 70                                                                                  | 80        | 90                                                                                  | 90        |

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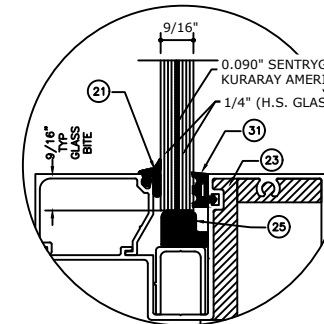
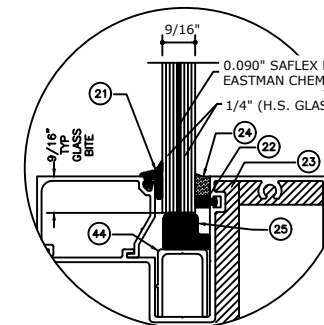
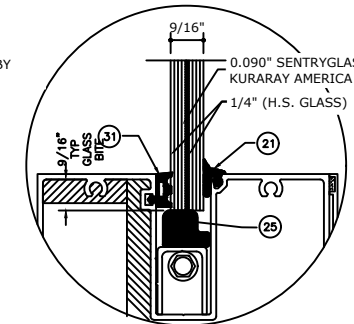
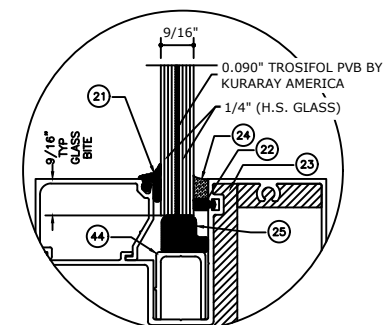
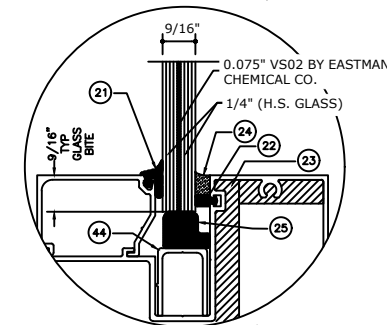
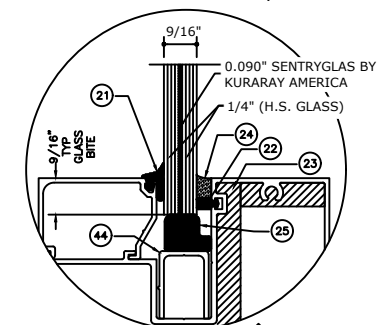
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GLASS TYPE  G1GLASS TYPE  G2GLASS TYPE  G3GLASS TYPE  G4

GLASS TYPE 

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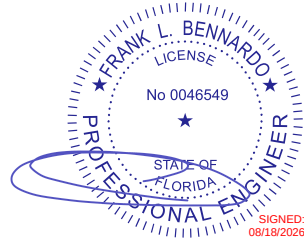
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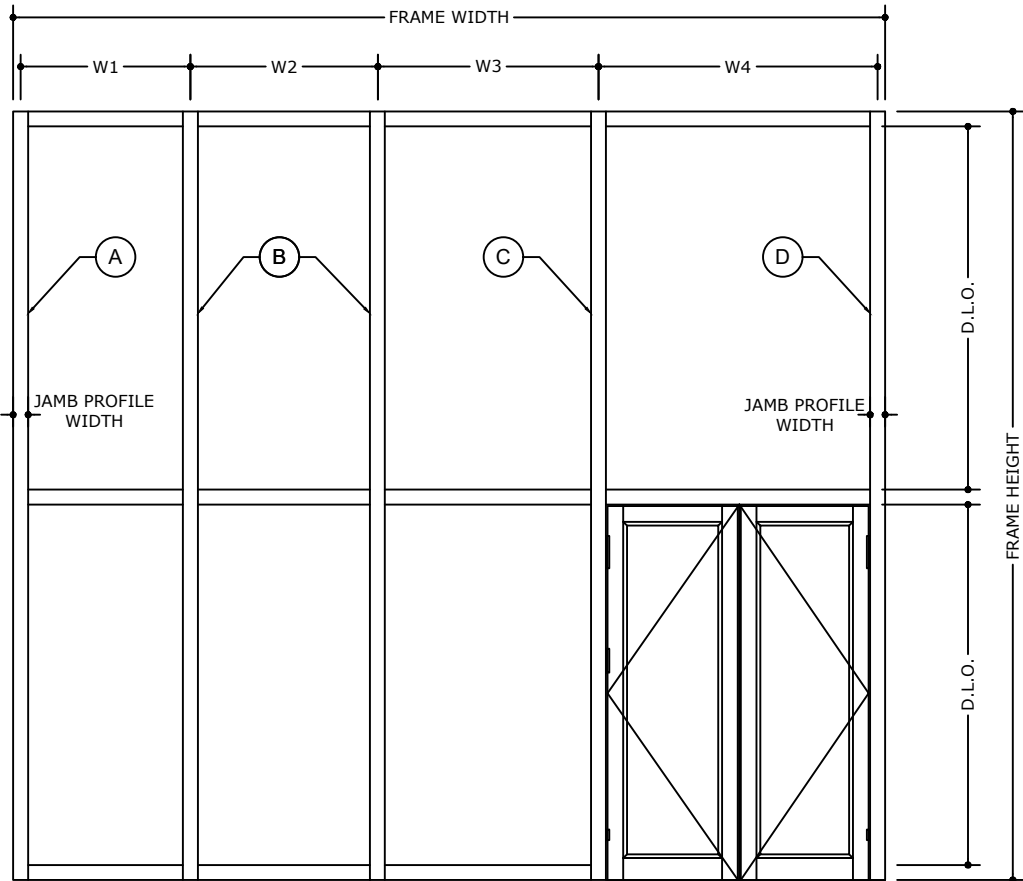
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## MULLION & JAMB LOAD DETERMINATION



### LOAD DETERMINATION

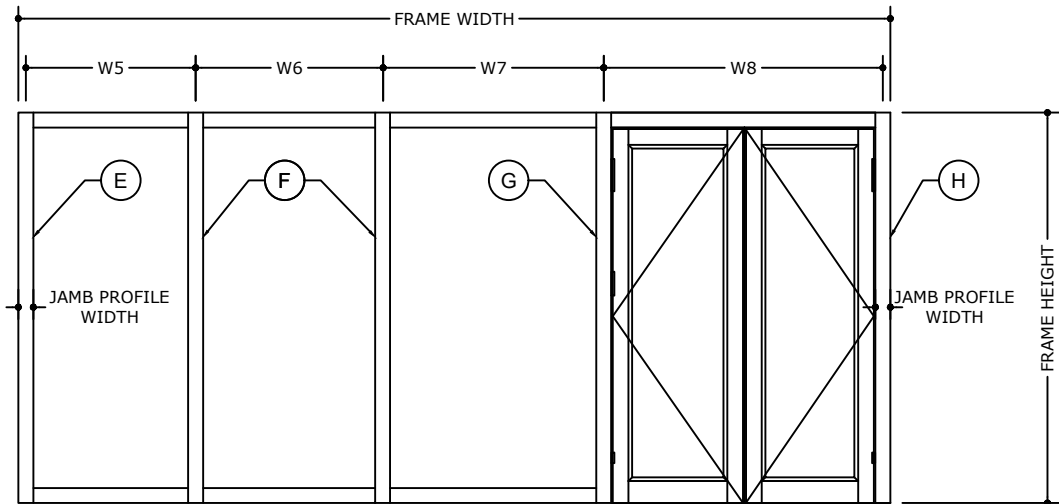
TRIBUTARY WIDTH A =  $\frac{W1}{2} + \frac{\text{JAMB PROFILE WIDTH}}{2}$   
(FOR STANDARD JAMB MULLION)

TRIBUTARY WIDTH B = LARGER OF  $\frac{W1 + W2}{2}$  OR  $\frac{W2 + W3}{2}$   
(FOR STANDARD MULLION)

TRIBUTARY WIDTH C =  $\frac{W3 + W4}{2}$   
(FOR INTERMEDIATE DOOR MULLION)

TRIBUTARY WIDTH D =  $\frac{W4}{2} + \frac{\text{JAMB PROFILE WIDTH}}{2}$   
(FOR DOOR JAMB MULLION )

|     |     |     |                                |
|-----|-----|-----|--------------------------------|
| (A) | (E) | (I) | JAMB MULLION                   |
| (B) | (F) |     | STANDARD MULLION               |
| (C) | (G) |     | DOOR JAMB INTERMEDIATE MULLION |
| (D) | (H) |     | DOOR JAMB MULLION              |



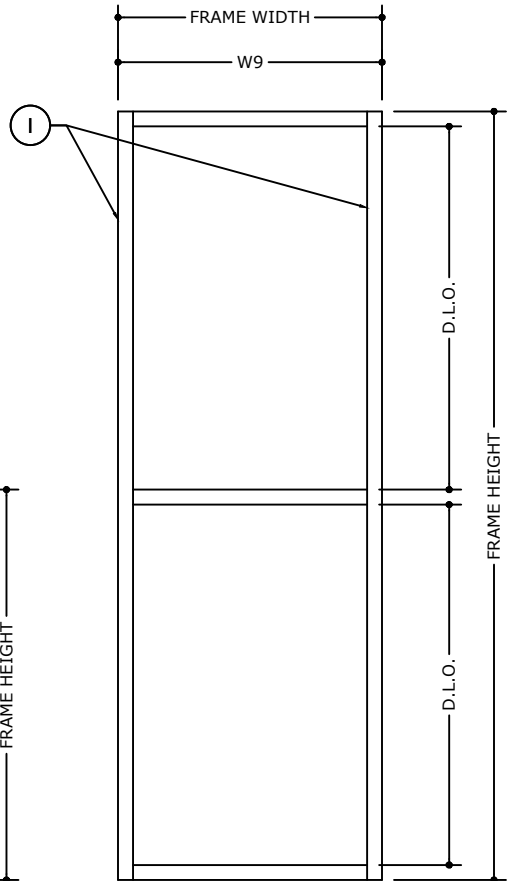
### LOAD DETERMINATION

TRIBUTARY WIDTH E =  $\frac{W5}{2} + \frac{\text{JAMB PROFILE WIDTH}}{2}$   
(FOR STANDARD JAMB MULLION)

TRIBUTARY WIDTH F = LARGER OF  $\frac{W5 + W6}{2}$  OR  $\frac{W6 + W7}{2}$   
(FOR STANDARD MULLION)

TRIBUTARY WIDTH G =  $\frac{W7}{2} + \frac{W8}{4}$   
(FOR INTERMEDIATE DOOR MULLION)

TRIBUTARY WIDTH H =  $\frac{W8}{4} + \frac{\text{JAMB PROFILE WIDTH}}{2}$   
(FOR DOOR JAMB MULLION )



### LOAD DETERMINATION

TRIBUTARY WIDTH I =  $\frac{W9}{2}$   
(FOR STANDARD JAMB MULLION)

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| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           |
|--------------------------------------|---------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                      |                     | M1           |           | M2           |           | M3           |           | M4           |           | M5           |           | M6           |           | M7           |           |
| FRAME<br>HEIGHT (in)                 | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F |
| 60                                   | 24                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 44.75               | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 48                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 54                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 60                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 66                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 72                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
| 64                                   | 24                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 44.75               | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 48                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 54                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 60                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 66                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 72                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
| 66                                   | 24                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 44.75               | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 48                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 54                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 60                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 66                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 72                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
| 72                                   | 24                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70</      |

| SINGLE SPAN JAMB<br>LOADING CHART |                     | MULLION TYPE |           |
|-----------------------------------|---------------------|--------------|-----------|
|                                   |                     | J1           |           |
| FRAME<br>HEIGHT (in)              | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F |
| 36                                | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
|                                   | 36                  | 90           | 90        |
|                                   | 42                  | 90           | 90        |
|                                   | 44.75               | 90           | 90        |
|                                   | 48                  | 90           | 90        |
|                                   | 54                  | 90           | 90        |
|                                   | 60                  | 90           | 90        |
|                                   | 66                  | 90           | 90        |
| 48                                | 72                  | 90           | 90        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
|                                   | 36                  | 90           | 90        |
|                                   | 42                  | 90           | 90        |
|                                   | 44.75               | 90           | 90        |
|                                   | 48                  | 90           | 90        |
| 50                                | 54                  | 90           | 90        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
|                                   | 36                  | 90           | 90        |
|                                   | 42                  | 90           | 90        |
| 54                                | 44.75               | 90           | 90        |
|                                   | 48                  | 90           | 90        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
|                                   | 36                  | 90           | 90        |
|                                   | 42                  | 90           | 90        |
|                                   | 44.75               | 90           | 90        |
| 60                                | 48                  | 90           | 90        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
|                                   | 36                  | 90           | 90        |
| 64                                | 42                  | 90           | 90        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
| 66                                | 36                  | 90           | 90        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
| 72                                | 36                  | 86           | 86        |
|                                   | 24                  | 90           | 90        |
|                                   | 30                  | 90           | 90        |
| 78                                | 24                  | 90           | 90        |
|                                   | 30                  | 87           | 87        |
|                                   | 36                  | 77           | 77        |

NOTE: SPANS NOT IN THIS TABLE  
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- 

M7  
DETAILS  
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| SINGLE SPAN JAMB<br>LOADING CHART |                     | MULLION TYPE |           |
|-----------------------------------|---------------------|--------------|-----------|
|                                   |                     | J1           |           |
| FRAME<br>HEIGHT (in)              | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F |
| 84                                | 24                  | 86           | 86        |
|                                   | 30                  | 90           | 90        |
| 89                                | 24                  | 81           | 81        |
| 96                                | 24                  | 74           | 74        |
| 102                               | 24                  | 69           | 69        |
| 108                               | 24                  | 65           | 65        |

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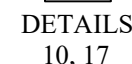
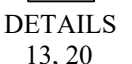
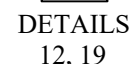
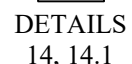
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- APPLICABLE FOR UN-ANCHORED JAMB CONDITION ONLY
- JAMB TRIBUTARY SHALL BE DETERMINED PER SHEET 09 FOR SINGLE UNIT OR MULTI-UNITS STOREFRONT



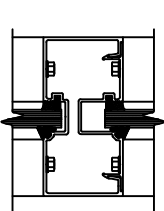
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MULLION LOADING TABLES (P.S.F.)

| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           |
|--------------------------------------|---------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                      |                     | M1           |           | M2           |           | M3           |           | M4           |           | M5           |           | M6           |           | M7           |           |
| FRAME<br>HEIGHT (in)                 | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F |
| 102                                  | 24                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 44.75               | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 48                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 86           | 90        | 70           | 80        | 70           | 70        |
|                                      | 54                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 80           | 90        | 70           | 80        | 70           | 70        |
|                                      | 60                  | -            | -         | -            | -         | -            | -         | 60           | 60        | 77           | 90        | 70           | 80        | 70           | 70        |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | 60           | 60        | 75           | 90        | 70           | 80        | 70           | 70        |
|                                      | 72                  | -            | -         | -            | -         | -            | -         | -            | -         | -            | -         | 70           | 80        | -            | -         |
| 108                                  | 24                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 88           | 90        | 70           | 80        | 70           | 70        |
|                                      | 44.75               | 65           | 65        | 70           | 70        | 60           | 60        | 60           | 60        | 84           | 90        | 70           | 80        | 70           | 70        |
|                                      | 48                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 80           | 90        | 70           | 80        | 70           | 70        |
|                                      | 54                  | -            | -         | 70           | 70        | -            | -         | 60           | 60        | 77           | 90        | 70           | 80        | 70           | 70        |
|                                      | 60                  | -            | -         | 70           | 70        | -            | -         | 60           | 60        | 72           | 90        | 70           | 80        | 70           | 70        |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | -            | -         | 69           | 87        | 70           | 80        | -            | -         |
|                                      | 72                  | -            | -         | -            | -         | -            | -         | -            | -         | -            | -         | 70           | 80        | -            | -         |
| 109                                  | 24                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 30                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 36                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | 70           | 70        |
|                                      | 42                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 88           | 90        | 70           | 80        | 70           | 70        |
|                                      | 44.75               | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 84           | 90        | 70           | 80        | 70           | 70        |
|                                      | 48                  | -            | -         | 70           | 70        | 60           | 60        | 60           | 60        | 80           | 90        | 70           | 80        | 70           | 70        |
|                                      | 54                  | -            | -         | 70           | 70        | -            | -         | 60           | 60        | 77           | 90        | 70           | 80        | 70           | 70        |
|                                      | 60                  | -            | -         | 70           | 70        | -            | -         | 60           | 60        | 72           | 90        | 70           | 80        | 70           | 70        |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | -            | -         | 69           | 87        | 70           | 80        | -            | -         |
|                                      | 72                  | -            | -         | -            | -         | -            | -         | -            | -         | -            | -         | 70           | 80        | -            | -         |
| 114                                  | 24                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | -            | -         |
|                                      | 30                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | -            | -         |
|                                      | 36                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        | -            | -         |
|                                      | 42                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 85           | 90        | 70           | 80        | -            | -         |
|                                      | 44.75               | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 80           | 90        | 70           | 80        | -            | -         |
|                                      | 48                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 77           | 90        | 70           | 80        | -            | -         |
|                                      | 54                  | -            | -         | -            | -         | -            | -         | 60           | 60        | 73           | 90        | 70           | 80        | -            | -         |
|                                      | 60                  | -            | -         | -            | -         | -            | -         | 60           | 60        | 70           | 85        | 70           | 80        | -            | -         |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | -            | -         | -            | -         | 70           | 80        | -            | -         |

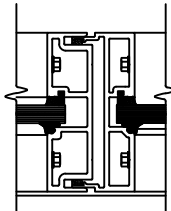
NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

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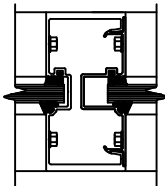
M1

DETAILS  
8, 15



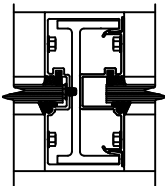
M2

DETAILS  
14, 14.1



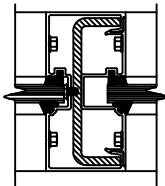
M3

DETAILS  
12, 19



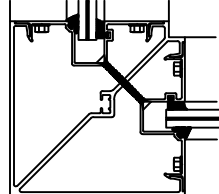
M4

DETAILS  
13, 20



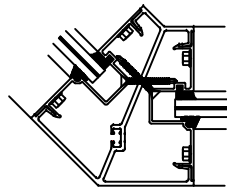
M5

DETAILS  
10, 17



M6

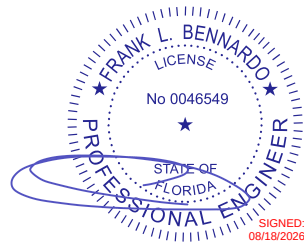
DETAILS  
25, 25.1, 27, 27.1



M7

DETAILS  
26, 28, 26.1, 28.1

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| REMARKS                   | DRWN | CHKD | DATE     |
|---------------------------|------|------|----------|
| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           |      |      |          |
|                           |      |      |          |
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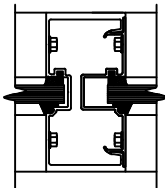
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MULLION LOADING TABLES (P.S.F.)

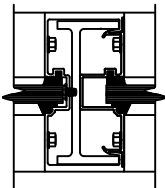
| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           |
|--------------------------------------|---------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                      |                     | M3           |           | M4           |           | M5           |           | M6           |           |
| FRAME<br>HEIGHT (in)                 | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F |
| 120                                  | 24                  | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 90           | 90        | 70           | 80        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 87           | 90        | 70           | 80        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 83           | 90        | 70           | 80        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 77           | 90        | 70           | 80        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 73           | 90        | 70           | 80        |
|                                      | 54                  | -            | -         | 60           | 60        | 70           | 86        | 70           | 80        |
|                                      | 60                  | -            | -         | -            | -         | 60           | 80        | 70           | 80        |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | 70           | 80        |
| 126                                  | 24                  | -            | -         | 60           | 60        | 90           | 90        | 70           | 80        |
|                                      | 30                  | -            | -         | 60           | 60        | 90           | 90        | 70           | 80        |
|                                      | 36                  | -            | -         | 60           | 60        | 85           | 90        | 70           | 80        |
|                                      | 42                  | -            | -         | 60           | 60        | 80           | 90        | 70           | 80        |
|                                      | 44.75               | -            | -         | 60           | 60        | 75           | 90        | 70           | 80        |
|                                      | 48                  | -            | -         | 60           | 60        | 70           | 87        | 70           | 80        |
|                                      | 54                  | -            | -         | 59           | 59        | 65           | 78        | 70           | 80        |
|                                      | 60                  | -            | -         | -            | -         | -            | -         | 67           | 77        |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | -            | -         |
| 132                                  | 24                  | -            | -         | 60           | 60        | 90           | 90        | 70           | 80        |
|                                      | 30                  | -            | -         | 60           | 60        | 89           | 90        | 70           | 80        |
|                                      | 36                  | -            | -         | 60           | 60        | 74           | 90        | 70           | 80        |
|                                      | 42                  | -            | -         | 60           | 60        | 64           | 85        | 70           | 80        |
|                                      | 44.75               | -            | -         | 60           | 60        | 61           | 80        | 70           | 80        |
|                                      | 48                  | -            | -         | 60           | 60        | 57           | 75        | 70           | 80        |
|                                      | 54                  | -            | -         | -            | -         | 51           | 68        | 67           | 76        |
|                                      | 60                  | -            | -         | -            | -         | -            | -         | 61           | 70        |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | -            | -         |

NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

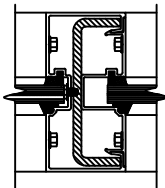
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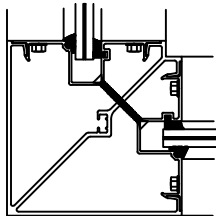
M3  
DETAILS  
12, 19



M4  
DETAILS  
13, 20

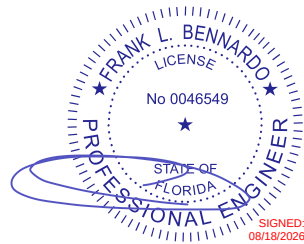


M5  
DETAILS  
10, 17



M6  
DETAILS  
25, 25.1, 27, 27.1

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PE# 0046549 CA# 9885



AUGUST 13, 2026

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FLORIDA BUILDING CODE NINTH EDITION (2026)  
FLORIDA STATEWIDE APPROVAL (FSA FL#20665.1)

| REMARKS                   | DRWN | CHKD | DATE     |
|---------------------------|------|------|----------|
| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           | -    | -    | -        |
|                           | -    | -    | -        |
|                           | -    | -    | -        |
|                           | -    | -    | -        |
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|                           | -    | -    | -        |

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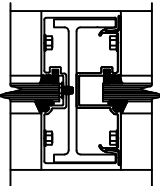
Z:\Shared\PROJECTS\26-101132 2026 Multiple Product FBC Update FL20665\Work\FBC 2026\DL-QA-PE Review

MULLION LOADING TABLES (P.S.F.)

| SINGLE SPAN MULLION<br>LOADING CHART |       | MULLION TYPE<br>M4 |           | MULLION TYPE<br>M5 |           | MULLION TYPE<br>M6 |           |
|--------------------------------------|-------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                                      |       | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 138                                  | 24    | 60                 | 60        | 90                 | 90        | 70                 | 80        |
|                                      | 30    | 60                 | 60        | 81                 | 90        | 70                 | 80        |
|                                      | 36    | 60                 | 60        | 68                 | 85        | 70                 | 80        |
|                                      | 42    | 60                 | 60        | 59                 | 74        | 70                 | 80        |
|                                      | 44.75 | 60                 | 60        | 55                 | 70        | 70                 | 80        |
|                                      | 48    | 57                 | 57        | 52                 | 65        | 68                 | 77        |
|                                      | 54    | -                  | -         | -                  | -         | 61                 | 70        |
| 144                                  | 24    | 60                 | 60        | 90                 | 90        | 70                 | 80        |
|                                      | 30    | 60                 | 60        | 74                 | 89        | 70                 | 80        |
|                                      | 36    | 60                 | 60        | 62                 | 75        | 70                 | 80        |
|                                      | 42    | 60                 | 60        | 54                 | 65        | 70                 | 80        |
|                                      | 44.75 | 58                 | 58        | 51                 | 61        | 66                 | 76        |
|                                      | 48    | 55                 | 55        | 47                 | 57        | 62                 | 71        |
|                                      | 54    | -                  | -         | -                  | -         | 56                 | 64        |

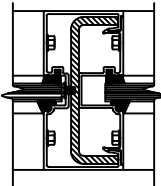
NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

NOTE: SPANS NOT IN THIS TABLE  
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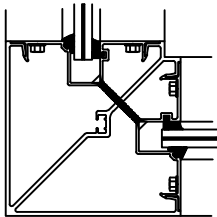
M4

DETAILS  
13, 20



M5

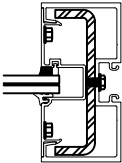
DETAILS  
10, 17



M6

DETAILS  
25, 25.1, 27, 27.1

| SINGLE SPAN MULLION<br>LOADING CHART |       | MULLION TYPE<br>M8 |           |
|--------------------------------------|-------|--------------------|-----------|
|                                      |       | (+) P.S.F          | (-) P.S.F |
| 120.375                              | 73.25 | 70                 | 80        |
| 146.00                               | 66.00 | 70                 | 70        |



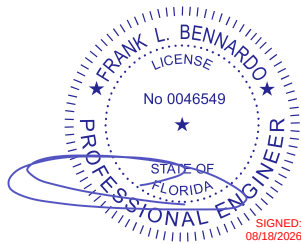
M8

DETAILS  
29 & 30

NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

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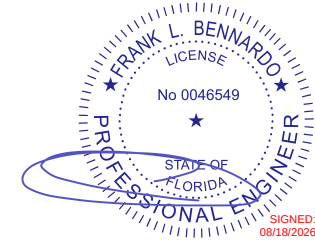
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FLORIDA STATEWIDE APPROVAL (FSA FL#20665.1)

| REMARKS                   | DRWN | CHKD | DATE     |
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| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           | -    | -    | -        |
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| -                         | -   | -   | -        |
| -                         | -   | -   | -        |
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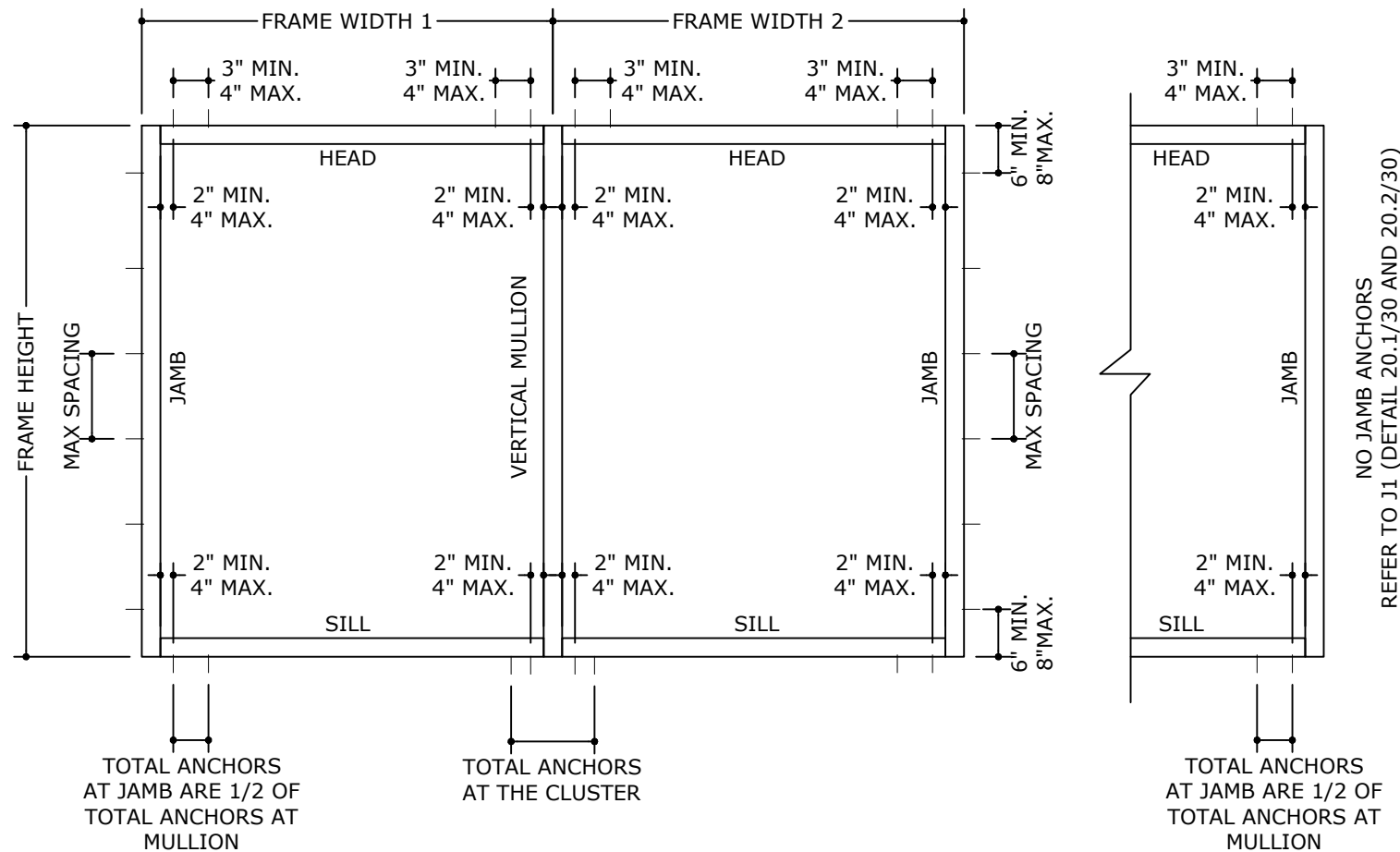
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15 OF 3

# FASTENER SCHEDULE



| FASTENER SCHEDULE |                 |                                                  |              |                                              |                    |                        |                    |
|-------------------|-----------------|--------------------------------------------------|--------------|----------------------------------------------|--------------------|------------------------|--------------------|
| ANCHOR TYPE       | ANCHOR DIAMETER | TYPE                                             | MANUFACTURER | SUBSTRATE                                    | MIN EMBEDMENT (IN) | MIN EDGE DISTANCE (IN) | SPACING (IN)       |
| A                 | 1/4"            | ULTRACON+ ANCHOR                                 | DEWALT       | POURED CONCRETE<br>3000 PSI MIN              | 1-3/4              | 2-1/2                  | 3" MIN.<br>4" MAX. |
| B                 | 1/4"-14         | DRIL-FLEX HEX WASHER HEAD<br>SELF DRILLING SCREW | DEWALT       | 16 GA MIN. STUD ASTM<br>A-653 GRADE 33 STEEL | FULL               | 1-1/2                  | 3" MIN.<br>4" MAX. |
|                   |                 |                                                  |              | 1/8" STEEL-A36                               |                    |                        |                    |
|                   |                 |                                                  |              | 1/8" ALUMINUM-6063-T6                        |                    |                        |                    |
| C                 | 1/4"            | ULTRACON+ ANCHOR<br>OR LAG SCREW                 | DEWALT       | 2X WOOD BUCK G=0.55                          | 1-1/2              | 1-1/2                  | 3" MIN.<br>4" MAX. |
| D                 | 1/4"            | ULTRACON+ ANCHOR                                 | DEWALT       | GROUT FILLED MASONRY<br>WALLS 1500 PSI MIN   | 1-1/2              | 1-1/2                  | 4" MIN.            |

MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A |                                        |                       |                                        |                       |                                        |                       |                                        |
|----------------------|-------------------------|------------------------------------------------------|----------------------------------------|-----------------------|----------------------------------------|-----------------------|----------------------------------------|-----------------------|----------------------------------------|
|                      |                         | 2                                                    |                                        | 4                     |                                        | 6                     |                                        | 8                     |                                        |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR<br>SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR<br>SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR<br>SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR<br>SPACING<br>(IN) |
| 36                   | 24                      | 90                                                   | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                |
|                      | 36                      | 90                                                   | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                |
|                      | 48                      | 75                                                   | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                |
|                      | 60                      | 60                                                   | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                |
|                      | 72                      | 50                                                   | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                |
|                      | 78                      | 46                                                   | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                | 90                    | 18"O.C.                                |
| 48                   | 24                      | 90                                                   | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                |
|                      | 36                      | 75                                                   | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                |
|                      | 48                      | 56                                                   | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                |
|                      | 60                      | 45                                                   | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                |
|                      | 72                      | 37                                                   | 24"O.C.                                | 75                    | 24"O.C.                                | 90                    | 16"O.C.                                | 90                    | 16"O.C.                                |
|                      | 78                      | 34                                                   | 24"O.C.                                | 69                    | 24"O.C.                                | 90                    | 16"O.C.                                | 90                    | 16"O.C.                                |
| 60                   | 24                      | 90                                                   | 30"O.C.                                | 90                    | 30"O.C.                                | 90                    | 30"O.C.                                | 90                    | 30"O.C.                                |
|                      | 36                      | 60                                                   | 30"O.C.                                | 90                    | 30"O.C.                                | 90                    | 30"O.C.                                | 90                    | 30"O.C.                                |
|                      | 48                      | 45                                                   | 30"O.C.                                | 90                    | 30"O.C.                                | 90                    | 30"O.C.                                | 90                    | 30"O.C.                                |
|                      | 60                      | 36                                                   | 30"O.C.                                | 72                    | 30"O.C.                                | 90                    | 20"O.C.                                | 90                    | 20"O.C.                                |
|                      | 72                      | 30                                                   | 30"O.C.                                | 60                    | 30"O.C.                                | 90                    | 20"O.C.                                | 90                    | 20"O.C.                                |
|                      | 78                      | 27                                                   | 30"O.C.                                | 55                    | 30"O.C.                                | 83                    | 20"O.C.                                | 90                    | 15"O.C.                                |
| 72                   | 24                      | 75                                                   | 36"O.C.                                | 90                    | 36"O.C.                                | 90                    | 36"O.C.                                | 90                    | 36"O.C.                                |
|                      | 36                      | 50                                                   | 36"O.C.                                | 90                    | 36"O.C.                                | 90                    | 36"O.C.                                | 90                    | 36"O.C.                                |
|                      | 48                      | 37                                                   | 36"O.C.                                | 75                    | 36"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                |
|                      | 60                      | 30                                                   | 36"O.C.                                | 60                    | 36"O.C.                                | 90                    | 24"O.C.                                | 90                    | 24"O.C.                                |
|                      | 72                      | 25                                                   | 36"O.C.                                | 50                    | 36"O.C.                                | 75                    | 24"O.C.                                | 90                    | 18"O.C.                                |
|                      | 78                      | 23                                                   | 36"O.C.                                | 46                    | 36"O.C.                                | 69                    | 24"O.C.                                | 90                    | 18"O.C.                                |

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| REMARKS                   | DRWN | CHKD | DATE     |
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|                           |      |      |          |
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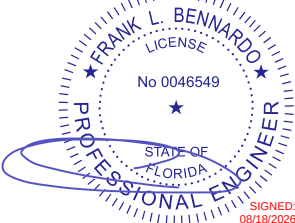
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| 2023 FBC (23-59866a)                                                                       | SQ   | RS   | 08/30/23 |                                                                                                                                                                |  |  |  |
| 2026 FBC UPDATE                                                                            | AEG  | RS   | 08/13/26 |                                                                                                                                                                |  |  |  |
|                                                                                            | -    | -    | -        |                                                                                                                                                                |  |  |  |
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| 17                                                                                         |      |      |          | OF 37                                                                                                                                                          |  |  |  |

MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     | 10                    |                                     | 12                    |                                     | 16                    |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 132                  | 24                      | 40                                                   | 66"O.C.                             | 81                    | 66"O.C.                             | 90                    | 44"O.C.                             | 90                    | 44"O.C.                             | 90                    | 44"O.C.                             | 90                    | 44"O.C.                             | 90                    | 44"O.C.                             |
|                      | 36                      | 27                                                   | 66"O.C.                             | 54                    | 66"O.C.                             | 81                    | 44"O.C.                             | 90                    | 33"O.C.                             | 90                    | 33"O.C.                             | 90                    | 33"O.C.                             | 90                    | 33"O.C.                             |
|                      | 48                      | 20                                                   | 66"O.C.                             | 40                    | 66"O.C.                             | 61                    | 44"O.C.                             | 81                    | 33"O.C.                             | 90                    | 26"O.C.                             | 90                    | 26"O.C.                             | 90                    | 26"O.C.                             |
|                      | 60                      | 16                                                   | 66"O.C.                             | 32                    | 66"O.C.                             | 49                    | 44"O.C.                             | 65                    | 33"O.C.                             | 81                    | 26"O.C.                             | 90                    | 22"O.C.                             | 90                    | 22"O.C.                             |
|                      | 72                      | 13                                                   | 66"O.C.                             | 27                    | 66"O.C.                             | 40                    | 44"O.C.                             | 54                    | 33"O.C.                             | 68                    | 26"O.C.                             | 81                    | 22"O.C.                             | 90                    | 19"O.C.                             |
|                      | 78                      | 12                                                   | 66"O.C.                             | 25                    | 66"O.C.                             | 37                    | 44"O.C.                             | 50                    | 33"O.C.                             | 62                    | 26"O.C.                             | 75                    | 22"O.C.                             | 90                    | 17"O.C.                             |
| 144                  | 24                      | 37                                                   | 72"O.C.                             | 75                    | 72"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 36                      | 25                                                   | 72"O.C.                             | 50                    | 72"O.C.                             | 75                    | 48"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 48                      | 18                                                   | 72"O.C.                             | 37                    | 72"O.C.                             | 56                    | 48"O.C.                             | 75                    | 36"O.C.                             | 90                    | 29"O.C.                             | 90                    | 29"O.C.                             | 90                    | 29"O.C.                             |
|                      | 60                      | 15                                                   | 72"O.C.                             | 30                    | 72"O.C.                             | 45                    | 48"O.C.                             | 60                    | 36"O.C.                             | 75                    | 29"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 72                      | 12                                                   | 72"O.C.                             | 25                    | 72"O.C.                             | 37                    | 48"O.C.                             | 50                    | 36"O.C.                             | 62                    | 29"O.C.                             | 75                    | 24"O.C.                             | 90                    | 18"O.C.                             |
|                      | 78                      | 11                                                   | 72"O.C.                             | 23                    | 72"O.C.                             | 34                    | 48"O.C.                             | 46                    | 36"O.C.                             | 57                    | 29"O.C.                             | 69                    | 24"O.C.                             | 90                    | 18"O.C.                             |

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PE# 0046549 CA# 9885



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FLORIDA BUILDING CODE NINTH EDITION (2026)  
FLORIDA STATEWIDE APPROVAL (FSA FL#20665.1)

| REMARKS                   | DRWN | CHKD | DATE     |
|---------------------------|------|------|----------|
| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           | -    | -    | -        |
|                           | -    | -    | -        |
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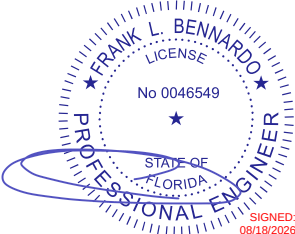
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18 OF 37

MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



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08/18/2026

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| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT<br>THE CLUSTER-ANCHOR TYPE B |                                     |                       |                                     |
|----------------------|-------------------------|---------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                       |                                     | 4                     |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                   | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 36                   | 24                      | 90                                                      | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 36                      | 90                                                      | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 48                      | 90                                                      | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 60                      | 90                                                      | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 72                      | 90                                                      | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 78                      | 90                                                      | 18"O.C.                             | 90                    | 18"O.C.                             |
| 48                   | 24                      | 90                                                      | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 36                      | 90                                                      | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 48                      | 90                                                      | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 60                      | 90                                                      | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 72                      | 83                                                      | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 78                      | 76                                                      | 24"O.C.                             | 90                    | 24"O.C.                             |
| 60                   | 24                      | 90                                                      | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 36                      | 90                                                      | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 48                      | 90                                                      | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 60                      | 80                                                      | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 72                      | 66                                                      | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 78                      | 61                                                      | 30"O.C.                             | 90                    | 30"O.C.                             |
| 72                   | 24                      | 90                                                      | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 36                      | 90                                                      | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 48                      | 83                                                      | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 60                      | 66                                                      | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 72                      | 55                                                      | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 78                      | 51                                                      | 36"O.C.                             | 90                    | 36"O.C.                             |

MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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2023 FBC (23-59866a)  
2026 FBC UPDATE

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DATE  
09/17/20  
08/30/23  
08/13/26

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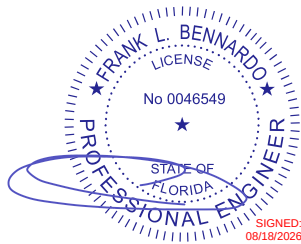
| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT<br>THE CLUSTER-ANCHOR TYPE B |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|---------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                       |                                     | 4                     |                                     | 6                     |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                   | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 84                   | 24                      | 90                                                      | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             |
|                      | 36                      | 90                                                      | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             |
|                      | 48                      | 71                                                      | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             |
|                      | 60                      | 57                                                      | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             |
|                      | 72                      | 47                                                      | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             |
|                      | 78                      | 43                                                      | 42"O.C.                             | 87                    | 42"O.C.                             | 90                    | 28"O.C.                             |
| 96                   | 24                      | 90                                                      | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 36                      | 83                                                      | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 48                      | 62                                                      | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 60                      | 50                                                      | 48"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 72                      | 41                                                      | 48"O.C.                             | 83                    | 48"O.C.                             | 90                    | 32"O.C.                             |
|                      | 78                      | 38                                                      | 48"O.C.                             | 76                    | 48"O.C.                             | 90                    | 32"O.C.                             |
| 108                  | 24                      | 90                                                      | 54"O.C.                             | 90                    | 54"O.C.                             | 90                    | 54"O.C.                             |
|                      | 36                      | 74                                                      | 54"O.C.                             | 90                    | 54"O.C.                             | 90                    | 54"O.C.                             |
|                      | 48                      | 55                                                      | 54"O.C.                             | 90                    | 54"O.C.                             | 90                    | 54"O.C.                             |
|                      | 60                      | 44                                                      | 54"O.C.                             | 88                    | 54"O.C.                             | 90                    | 36"O.C.                             |
|                      | 72                      | 37                                                      | 54"O.C.                             | 74                    | 54"O.C.                             | 90                    | 36"O.C.                             |
|                      | 78                      | 34                                                      | 54"O.C.                             | 68                    | 54"O.C.                             | 90                    | 36"O.C.                             |
| 120                  | 24                      | 90                                                      | 60"O.C.                             | 90                    | 60"O.C.                             | 90                    | 60"O.C.                             |
|                      | 36                      | 66                                                      | 60"O.C.                             | 90                    | 60"O.C.                             | 90                    | 60"O.C.                             |
|                      | 48                      | 50                                                      | 60"O.C.                             | 90                    | 60"O.C.                             | 90                    | 60"O.C.                             |
|                      | 60                      | 40                                                      | 60"O.C.                             | 80                    | 60"O.C.                             | 90                    | 40"O.C.                             |
|                      | 72                      | 33                                                      | 60"O.C.                             | 66                    | 60"O.C.                             | 90                    | 40"O.C.                             |
|                      | 78                      | 30                                                      | 60"O.C.                             | 61                    | 60"O.C.                             | 90                    | 40"O.C.                             |

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 132                  | 24                      | 90                                                   | 66"O.C.                             | 90                    | 66"O.C.                             | 90                    | 66"O.C.                             | 90                    | 66"O.C.                             |
|                      | 36                      | 60                                                   | 66"O.C.                             | 90                    | 66"O.C.                             | 90                    | 66"O.C.                             | 90                    | 66"O.C.                             |
|                      | 48                      | 45                                                   | 66"O.C.                             | 90                    | 66"O.C.                             | 90                    | 66"O.C.                             | 90                    | 66"O.C.                             |
|                      | 60                      | 36                                                   | 66"O.C.                             | 72                    | 66"O.C.                             | 90                    | 44"O.C.                             | 90                    | 44"O.C.                             |
|                      | 72                      | 30                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 90                    | 44"O.C.                             | 90                    | 44"O.C.                             |
|                      | 78                      | 27                                                   | 66"O.C.                             | 55                    | 66"O.C.                             | 83                    | 44"O.C.                             | 90                    | 33"O.C.                             |
| 144                  | 24                      | 83                                                   | 72"O.C.                             | 90                    | 72"O.C.                             | 90                    | 72"O.C.                             | 90                    | 72"O.C.                             |
|                      | 36                      | 55                                                   | 72"O.C.                             | 90                    | 72"O.C.                             | 90                    | 72"O.C.                             | 90                    | 72"O.C.                             |
|                      | 48                      | 41                                                   | 72"O.C.                             | 83                    | 72"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 60                      | 33                                                   | 72"O.C.                             | 66                    | 72"O.C.                             | 90                    | 48"O.C.                             | 90                    | 48"O.C.                             |
|                      | 72                      | 27                                                   | 72"O.C.                             | 55                    | 72"O.C.                             | 83                    | 48"O.C.                             | 90                    | 36"O.C.                             |
|                      | 78                      | 25                                                   | 72"O.C.                             | 51                    | 72"O.C.                             | 76                    | 48"O.C.                             | 90                    | 36"O.C.                             |

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



AUGUST 13, 2026

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| REMARKS                   | DRWN | CHKD | DATE     |
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| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
| -                         | -    | -    | -        |
| -                         | -    | -    | -        |
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     | 10                    |                                     | 12                    |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 36                   | 24                      | 90                                                   | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 36                      | 75                                                   | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 48                      | 56                                                   | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 60                      | 45                                                   | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 72                      | 37                                                   | 18"O.C.                             | 75                    | 18"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             |
|                      | 78                      | 34                                                   | 18"O.C.                             | 69                    | 18"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             |
| 48                   | 24                      | 85                                                   | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 36                      | 56                                                   | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 48                      | 42                                                   | 24"O.C.                             | 85                    | 24"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             |
|                      | 60                      | 34                                                   | 24"O.C.                             | 68                    | 24"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             |
|                      | 72                      | 28                                                   | 24"O.C.                             | 56                    | 24"O.C.                             | 85                    | 16"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             |
|                      | 78                      | 26                                                   | 24"O.C.                             | 52                    | 24"O.C.                             | 78                    | 16"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             |
| 60                   | 24                      | 68                                                   | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 36                      | 45                                                   | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 48                      | 34                                                   | 30"O.C.                             | 68                    | 30"O.C.                             | 90                    | 20"O.C.                             | 90                    | 20"O.C.                             | 90                    | 20"O.C.                             | 90                    | 20"O.C.                             |
|                      | 60                      | 27                                                   | 30"O.C.                             | 54                    | 30"O.C.                             | 81                    | 20"O.C.                             | 90                    | 15"O.C.                             | 90                    | 15"O.C.                             | 90                    | 15"O.C.                             |
|                      | 72                      | 22                                                   | 30"O.C.                             | 45                    | 30"O.C.                             | 68                    | 20"O.C.                             | 90                    | 15"O.C.                             | 90                    | 15"O.C.                             | 90                    | 15"O.C.                             |
|                      | 78                      | 20                                                   | 30"O.C.                             | 41                    | 30"O.C.                             | 62                    | 20"O.C.                             | 83                    | 15"O.C.                             | 90                    | 12"O.C.                             | 90                    | 12"O.C.                             |
| 72                   | 24                      | 56                                                   | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 36                      | 37                                                   | 36"O.C.                             | 75                    | 36"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 48                      | 28                                                   | 36"O.C.                             | 56                    | 36"O.C.                             | 85                    | 24"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 60                      | 22                                                   | 36"O.C.                             | 45                    | 36"O.C.                             | 68                    | 24"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 72                      | 18                                                   | 36"O.C.                             | 37                    | 36"O.C.                             | 56                    | 24"O.C.                             | 75                    | 18"O.C.                             | 90                    | 14"O.C.                             | 90                    | 14"O.C.                             |
|                      | 78                      | 17                                                   | 36"O.C.                             | 34                    | 36"O.C.                             | 52                    | 24"O.C.                             | 69                    | 18"O.C.                             | 87                    | 14"O.C.                             | 90                    | 12"O.C.                             |

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| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           |      |      |          |
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FL

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| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     | 10                    |                                     | 12                    |                                     | 16                    |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 84                   | 24                      | 48                                                   | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             | 90                    | 42"O.C.                             |
|                      | 36                      | 32                                                   | 42"O.C.                             | 64                    | 42"O.C.                             | 90                    | 28"O.C.                             | 90                    | 28"O.C.                             | 90                    | 28"O.C.                             | 90                    | 28"O.C.                             | 90                    | 28"O.C.                             |
|                      | 48                      | 24                                                   | 42"O.C.                             | 48                    | 42"O.C.                             | 72                    | 28"O.C.                             | 90                    | 21"O.C.                             | 90                    | 21"O.C.                             | 90                    | 21"O.C.                             | 90                    | 21"O.C.                             |
|                      | 60                      | 19                                                   | 42"O.C.                             | 38                    | 42"O.C.                             | 58                    | 28"O.C.                             | 77                    | 21"O.C.                             | 90                    | 17"O.C.                             | 90                    | 17"O.C.                             | 90                    | 17"O.C.                             |
|                      | 72                      | 16                                                   | 42"O.C.                             | 32                    | 42"O.C.                             | 48                    | 28"O.C.                             | 64                    | 21"O.C.                             | 80                    | 17"O.C.                             | 90                    | 14"O.C.                             | 90                    | 14"O.C.                             |
|                      | 78                      | 14                                                   | 42"O.C.                             | 29                    | 42"O.C.                             | 44                    | 28"O.C.                             | 59                    | 21"O.C.                             | 74                    | 17"O.C.                             | 89                    | 14"O.C.                             | 90                    | 12"O.C.                             |
| 96                   | 24                      | 42                                                   | 48"O.C.                             | 85                    | 48"O.C.                             | 90                    | 32"O.C.                             | 90                    | 32"O.C.                             | 90                    | 32"O.C.                             | 90                    | 32"O.C.                             | 90                    | 32"O.C.                             |
|                      | 36                      | 28                                                   | 48"O.C.                             | 56                    | 48"O.C.                             | 85                    | 32"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             | 90                    | 24"O.C.                             |
|                      | 48                      | 21                                                   | 48"O.C.                             | 42                    | 48"O.C.                             | 63                    | 32"O.C.                             | 85                    | 24"O.C.                             | 90                    | 19"O.C.                             | 90                    | 19"O.C.                             | 90                    | 19"O.C.                             |
|                      | 60                      | 17                                                   | 48"O.C.                             | 34                    | 48"O.C.                             | 51                    | 32"O.C.                             | 68                    | 24"O.C.                             | 85                    | 19"O.C.                             | 90                    | 16"O.C.                             | 90                    | 16"O.C.                             |
|                      | 72                      | 14                                                   | 48"O.C.                             | 28                    | 48"O.C.                             | 42                    | 32"O.C.                             | 56                    | 24"O.C.                             | 70                    | 19"O.C.                             | 85                    | 16"O.C.                             | 90                    | 14"O.C.                             |
|                      | 78                      | 13                                                   | 48"O.C.                             | 26                    | 48"O.C.                             | 39                    | 32"O.C.                             | 52                    | 24"O.C.                             | 65                    | 19"O.C.                             | 78                    | 16"O.C.                             | 90                    | 14"O.C.                             |
| 108                  | 24                      | 37                                                   | 54"O.C.                             | 75                    | 54"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             | 90                    | 36"O.C.                             |
|                      | 36                      | 25                                                   | 54"O.C.                             | 50                    | 54"O.C.                             | 75                    | 36"O.C.                             | 90                    | 27"O.C.                             | 90                    | 27"O.C.                             | 90                    | 27"O.C.                             | 90                    | 27"O.C.                             |
|                      | 48                      | 18                                                   | 54"O.C.                             | 37                    | 54"O.C.                             | 56                    | 36"O.C.                             | 75                    | 27"O.C.                             | 90                    | 22"O.C.                             | 90                    | 22"O.C.                             | 90                    | 22"O.C.                             |
|                      | 60                      | 15                                                   | 54"O.C.                             | 30                    | 54"O.C.                             | 45                    | 36"O.C.                             | 60                    | 27"O.C.                             | 75                    | 22"O.C.                             | 90                    | 18"O.C.                             | 90                    | 18"O.C.                             |
|                      | 72                      | 12                                                   | 54"O.C.                             | 25                    | 54"O.C.                             | 37                    | 36"O.C.                             | 50                    | 27"O.C.                             | 62                    | 22"O.C.                             | 75                    | 18"O.C.                             | 90                    | 14"O.C.                             |
|                      | 78                      | 11                                                   | 54"O.C.                             | 23                    | 54"O.C.                             | 34                    | 36"O.C.                             | 46                    | 27"O.C.                             | 58                    | 22"O.C.                             | 69                    | 18"O.C.                             | 90                    | 14"O.C.                             |
| 120                  | 24                      | 34                                                   | 60"O.C.                             | 68                    | 60"O.C.                             | 90                    | 40"O.C.                             | 90                    | 40"O.C.                             | 90                    | 40"O.C.                             | 90                    | 40"O.C.                             | 90                    | 40"O.C.                             |
|                      | 36                      | 22                                                   | 60"O.C.                             | 45                    | 60"O.C.                             | 68                    | 40"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             | 90                    | 30"O.C.                             |
|                      | 48                      | 17                                                   | 60"O.C.                             | 34                    | 60"O.C.                             | 51                    | 40"O.C.                             | 68                    | 30"O.C.                             | 85                    | 24"O.C.                             | 90                    | 20"O.C.                             | 90                    | 20"O.C.                             |
|                      | 60                      | 13                                                   | 60"O.C.                             | 27                    | 60"O.C.                             | 40                    | 40"O.C.                             | 54                    | 30"O.C.                             | 68                    | 24"O.C.                             | 81                    | 20"O.C.                             | 90                    | 17"O.C.                             |
|                      | 72                      | 11                                                   | 60"O.C.                             | 22                    | 60"O.C.                             | 34                    | 40"O.C.                             | 45                    | 30"O.C.                             | 56                    | 24"O.C.                             | 68                    | 20"O.C.                             | 90                    | 15"O.C.                             |
|                      | 78                      | 10                                                   | 60"O.C.                             | 20                    | 60"O.C.                             | 31                    | 40"O.C.                             | 41                    | 30"O.C.                             | 52                    | 24"O.C.                             | 62                    | 20"O.C.                             | 83                    | 15"O.C.                             |

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FLORIDA STATEWIDE APPROVAL (FSA FL#20665.1)

| REMARKS                   | DRWN | CHKD | DATE     |
|---------------------------|------|------|----------|
| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
|                           |      |      |          |
|                           |      |      |          |
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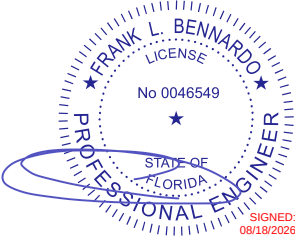
26-101132

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23 OF 37

MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



FL

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REMARKS

INIT ISSUE (WAS 20-29229)  
2023 FBC (23-59866a)  
2026 FBC UPDATE

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE D

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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FLORIDA STATEWIDE APPROVAL (FSA FL#20665.1)

| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE D |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     | 10                    |                                     | 12                    |                                     | 16                    |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 36                   | 24                      | 90                                                   | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            |
|                      | 36                      | 68                                                   | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            |
|                      | 48                      | 51                                                   | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            |
|                      | 60                      | 41                                                   | 18" O.C.                            | 82                    | 18" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
|                      | 72                      | 34                                                   | 18" O.C.                            | 68                    | 18" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
|                      | 78                      | 31                                                   | 18" O.C.                            | 63                    | 18" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
| 48                   | 24                      | 77                                                   | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            |
|                      | 36                      | 51                                                   | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            |
|                      | 48                      | 38                                                   | 24" O.C.                            | 77                    | 24" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            |
|                      | 60                      | 31                                                   | 24" O.C.                            | 62                    | 24" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            |
|                      | 72                      | 25                                                   | 24" O.C.                            | 51                    | 24" O.C.                            | 77                    | 16" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
|                      | 78                      | 23                                                   | 24" O.C.                            | 47                    | 24" O.C.                            | 71                    | 16" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
| 60                   | 24                      | 62                                                   | 30" O.C.                            | 90                    | 30" O.C.                            | 90                    | 30" O.C.                            | 90                    | 30" O.C.                            | 90                    | 30" O.C.                            | 90                    | 30" O.C.                            | 90                    | 30" O.C.                            |
|                      | 36                      | 41                                                   | 30" O.C.                            | 82                    | 30" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            |
|                      | 48                      | 31                                                   | 30" O.C.                            | 62                    | 30" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            |
|                      | 60                      | 24                                                   | 30" O.C.                            | 49                    | 30" O.C.                            | 74                    | 20" O.C.                            | 90                    | 15" O.C.                            | 90                    | 15" O.C.                            | 90                    | 15" O.C.                            | 90                    | 15" O.C.                            |
|                      | 72                      | 20                                                   | 30" O.C.                            | 41                    | 30" O.C.                            | 62                    | 20" O.C.                            | 82                    | 15" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
|                      | 78                      | 19                                                   | 30" O.C.                            | 38                    | 30" O.C.                            | 57                    | 20" O.C.                            | 76                    | 15" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
| 72                   | 24                      | 51                                                   | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            |
|                      | 36                      | 34                                                   | 36" O.C.                            | 68                    | 36" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            |
|                      | 48                      | 25                                                   | 36" O.C.                            | 51                    | 36" O.C.                            | 77                    | 24" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            |
|                      | 60                      | 20                                                   | 36" O.C.                            | 41                    | 36" O.C.                            | 62                    | 24" O.C.                            | 82                    | 18" O.C.                            | 90                    | 14" O.C.                            | 90                    | 14" O.C.                            | 90                    | 14" O.C.                            |
|                      | 72                      | 17                                                   | 36" O.C.                            | 34                    | 36" O.C.                            | 51                    | 24" O.C.                            | 68                    | 18" O.C.                            | 86                    | 14" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |
|                      | 78                      | 15                                                   | 36" O.C.                            | 31                    | 36" O.C.                            | 47                    | 24" O.C.                            | 63                    | 18" O.C.                            | 79                    | 14" O.C.                            | 90                    | 12" O.C.                            | 90                    | 12" O.C.                            |

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE D

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE D |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     | 10                    |                                     | 12                    |                                     | 16                    |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 84                   | 24                      | 44                                                   | 42" O.C.                            | 88                    | 42" O.C.                            | 90                    | 28" O.C.                            | 90                    | 28" O.C.                            | 90                    | 28" O.C.                            | 90                    | 28" O.C.                            | 90                    | 28" O.C.                            |
|                      | 36                      | 29                                                   | 42" O.C.                            | 59                    | 42" O.C.                            | 88                    | 28" O.C.                            | 90                    | 21" O.C.                            | 90                    | 21" O.C.                            | 90                    | 21" O.C.                            | 90                    | 21" O.C.                            |
|                      | 48                      | 22                                                   | 42" O.C.                            | 44                    | 42" O.C.                            | 66                    | 28" O.C.                            | 88                    | 21" O.C.                            | 90                    | 17" O.C.                            | 90                    | 17" O.C.                            | 90                    | 17" O.C.                            |
|                      | 60                      | 17                                                   | 42" O.C.                            | 35                    | 42" O.C.                            | 53                    | 28" O.C.                            | 70                    | 21" O.C.                            | 88                    | 17" O.C.                            | 90                    | 14" O.C.                            | 90                    | 14" O.C.                            |
|                      | 72                      | 14                                                   | 42" O.C.                            | 29                    | 42" O.C.                            | 44                    | 28" O.C.                            | 59                    | 21" O.C.                            | 73                    | 17" O.C.                            | 88                    | 14" O.C.                            | 90                    | 12" O.C.                            |
|                      | 78                      | 13                                                   | 42" O.C.                            | 27                    | 42" O.C.                            | 40                    | 28" O.C.                            | 54                    | 21" O.C.                            | 68                    | 17" O.C.                            | 81                    | 14" O.C.                            | 90                    | 12" O.C.                            |
| 96                   | 24                      | 38                                                   | 48" O.C.                            | 77                    | 48" O.C.                            | 90                    | 32" O.C.                            | 90                    | 32" O.C.                            | 90                    | 32" O.C.                            | 90                    | 32" O.C.                            | 90                    | 32" O.C.                            |
|                      | 36                      | 25                                                   | 48" O.C.                            | 51                    | 48" O.C.                            | 77                    | 32" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            |
|                      | 48                      | 19                                                   | 48" O.C.                            | 38                    | 48" O.C.                            | 58                    | 32" O.C.                            | 77                    | 24" O.C.                            | 90                    | 19" O.C.                            | 90                    | 19" O.C.                            | 90                    | 19" O.C.                            |
|                      | 60                      | 15                                                   | 48" O.C.                            | 31                    | 48" O.C.                            | 46                    | 32" O.C.                            | 62                    | 24" O.C.                            | 77                    | 19" O.C.                            | 90                    | 16" O.C.                            | 90                    | 16" O.C.                            |
|                      | 72                      | 12                                                   | 48" O.C.                            | 25                    | 48" O.C.                            | 38                    | 32" O.C.                            | 51                    | 24" O.C.                            | 64                    | 19" O.C.                            | 77                    | 16" O.C.                            | 90                    | 14" O.C.                            |
|                      | 78                      | 11                                                   | 48" O.C.                            | 23                    | 48" O.C.                            | 35                    | 32" O.C.                            | 47                    | 24" O.C.                            | 59                    | 19" O.C.                            | 71                    | 16" O.C.                            | 90                    | 12" O.C.                            |
| 108                  | 24                      | 34                                                   | 54" O.C.                            | 68                    | 54" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            |
|                      | 36                      | 22                                                   | 54" O.C.                            | 45                    | 54" O.C.                            | 68                    | 36" O.C.                            | 90                    | 27" O.C.                            | 90                    | 27" O.C.                            | 90                    | 27" O.C.                            | 90                    | 27" O.C.                            |
|                      | 48                      | 17                                                   | 54" O.C.                            | 34                    | 54" O.C.                            | 51                    | 36" O.C.                            | 68                    | 27" O.C.                            | 86                    | 22" O.C.                            | 90                    | 18" O.C.                            | 90                    | 18" O.C.                            |
|                      | 60                      | 13                                                   | 54" O.C.                            | 27                    | 54" O.C.                            | 41                    | 36" O.C.                            | 55                    | 27" O.C.                            | 68                    | 22" O.C.                            | 82                    | 18" O.C.                            | 90                    | 15" O.C.                            |
|                      | 72                      | 11                                                   | 54" O.C.                            | 22                    | 54" O.C.                            | 34                    | 36" O.C.                            | 45                    | 27" O.C.                            | 57                    | 22" O.C.                            | 68                    | 18" O.C.                            | 90                    | 14" O.C.                            |
|                      | 78                      | 10                                                   | 54" O.C.                            | 21                    | 54" O.C.                            | 31                    | 36" O.C.                            | 42                    | 27" O.C.                            | 52                    | 22" O.C.                            | 63                    | 18" O.C.                            | 84                    | 14" O.C.                            |
| 120                  | 24                      | 31                                                   | 60" O.C.                            | 62                    | 60" O.C.                            | 90                    | 40" O.C.                            | 90                    | 40" O.C.                            | 90                    | 40" O.C.                            | 90                    | 40" O.C.                            | 90                    | 40" O.C.                            |
|                      | 36                      | 20                                                   | 60" O.C.                            | 41                    | 60" O.C.                            | 62                    | 40" O.C.                            | 82                    | 30" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            |
|                      | 48                      | 15                                                   | 60" O.C.                            | 31                    | 60" O.C.                            | 46                    | 40" O.C.                            | 62                    | 30" O.C.                            | 77                    | 24" O.C.                            | 90                    | 20" O.C.                            | 90                    | 20" O.C.                            |
|                      | 60                      | 12                                                   | 60" O.C.                            | 24                    | 60" O.C.                            | 37                    | 40" O.C.                            | 49                    | 30" O.C.                            | 62                    | 24" O.C.                            | 74                    | 20" O.C.                            | 90                    | 15" O.C.                            |
|                      | 72                      | 10                                                   | 60" O.C.                            | 20                    | 60" O.C.                            | 31                    | 40" O.C.                            | 41                    | 30" O.C.                            | 51                    | 24" O.C.                            | 62                    | 20" O.C.                            | 82                    | 15" O.C.                            |
|                      | 78                      | 9                                                    | 60" O.C.                            | 19                    | 60" O.C.                            | 28                    | 40" O.C.                            | 38                    | 30" O.C.                            | 47                    | 24" O.C.                            | 57                    | 20" O.C.                            | 76                    | 15" O.C.                            |

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REMARKS  
INIT ISSUE (WAS 20-29229)  
2023 FBC (23-59866a)  
2026 FBC UPDATE

DRWN  
JEM  
SQ  
AEG

CHKD  
AJP  
RS  
RS

DATE  
09/17/20  
08/30/23  
08/13/26

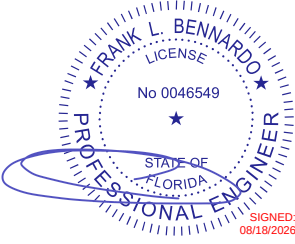
26-101132

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26 OF 37

MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE D

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



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| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE D |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 2                                                    |                                     | 4                     |                                     | 6                     |                                     | 8                     |                                     | 10                    |                                     | 12                    |                                     | 16                    |                                     |
|                      |                         | MAX PRESSURE<br>(PSF)                                | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) | MAX PRESSURE<br>(PSF) | JAMBS<br>MAX ANCHOR SPACING<br>(IN) |
| 132                  | 24                      | 28                                                   | 66" O.C.                            | 56                    | 66" O.C.                            | 84                    | 44" O.C.                            | 90                    | 33" O.C.                            | 90                    | 33" O.C.                            | 90                    | 33" O.C.                            | 90                    | 33" O.C.                            |
|                      | 36                      | 18                                                   | 66" O.C.                            | 37                    | 66" O.C.                            | 56                    | 44" O.C.                            | 75                    | 33" O.C.                            | 90                    | 26" O.C.                            | 90                    | 26" O.C.                            | 90                    | 26" O.C.                            |
|                      | 48                      | 14                                                   | 66" O.C.                            | 28                    | 66" O.C.                            | 42                    | 44" O.C.                            | 56                    | 33" O.C.                            | 70                    | 26" O.C.                            | 84                    | 22" O.C.                            | 90                    | 19" O.C.                            |
|                      | 60                      | 11                                                   | 66" O.C.                            | 22                    | 66" O.C.                            | 33                    | 44" O.C.                            | 45                    | 33" O.C.                            | 56                    | 26" O.C.                            | 67                    | 22" O.C.                            | 90                    | 17" O.C.                            |
|                      | 72                      | 9                                                    | 66" O.C.                            | 18                    | 66" O.C.                            | 28                    | 44" O.C.                            | 37                    | 33" O.C.                            | 46                    | 26" O.C.                            | 56                    | 22" O.C.                            | 75                    | 17" O.C.                            |
|                      | 78                      | 8                                                    | 66" O.C.                            | 17                    | 66" O.C.                            | 26                    | 44" O.C.                            | 34                    | 33" O.C.                            | 43                    | 26" O.C.                            | 52                    | 22" O.C.                            | 69                    | 17" O.C.                            |
| 144                  | 24                      | 25                                                   | 72" O.C.                            | 51                    | 72" O.C.                            | 77                    | 48" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            | 90                    | 36" O.C.                            |
|                      | 36                      | 17                                                   | 72" O.C.                            | 34                    | 72" O.C.                            | 51                    | 48" O.C.                            | 68                    | 36" O.C.                            | 86                    | 29" O.C.                            | 90                    | 24" O.C.                            | 90                    | 24" O.C.                            |
|                      | 48                      | 12                                                   | 72" O.C.                            | 25                    | 72" O.C.                            | 38                    | 48" O.C.                            | 51                    | 36" O.C.                            | 64                    | 29" O.C.                            | 77                    | 24" O.C.                            | 90                    | 21" O.C.                            |
|                      | 60                      | 10                                                   | 72" O.C.                            | 20                    | 72" O.C.                            | 31                    | 48" O.C.                            | 41                    | 36" O.C.                            | 51                    | 29" O.C.                            | 62                    | 24" O.C.                            | 82                    | 18" O.C.                            |
|                      | 72                      | 8                                                    | 72" O.C.                            | 17                    | 72" O.C.                            | 25                    | 48" O.C.                            | 34                    | 36" O.C.                            | 43                    | 29" O.C.                            | 51                    | 24" O.C.                            | 68                    | 18" O.C.                            |
|                      | 78                      | 7                                                    | 72" O.C.                            | 15                    | 72" O.C.                            | 23                    | 48" O.C.                            | 31                    | 36" O.C.                            | 39                    | 29" O.C.                            | 47                    | 24" O.C.                            | 63                    | 18" O.C.                            |

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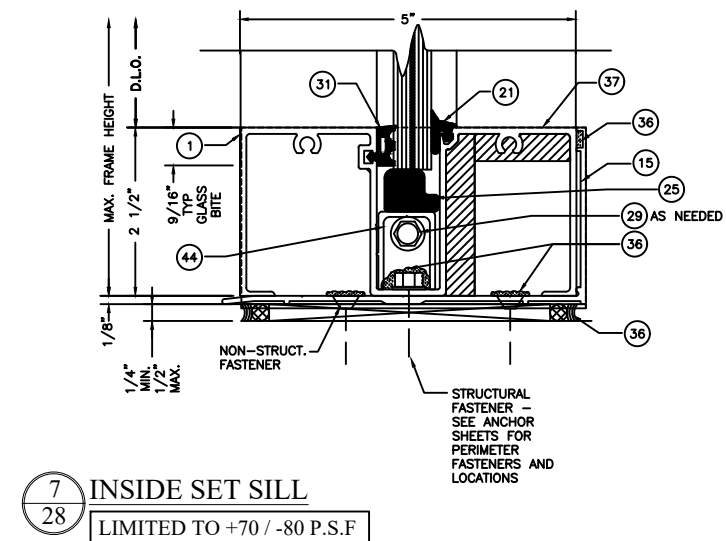
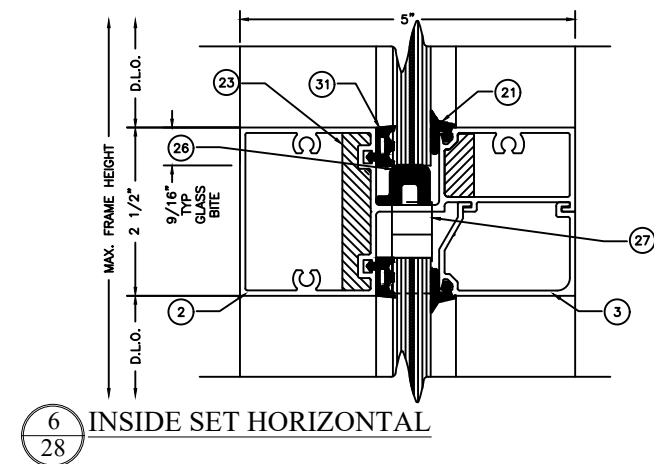
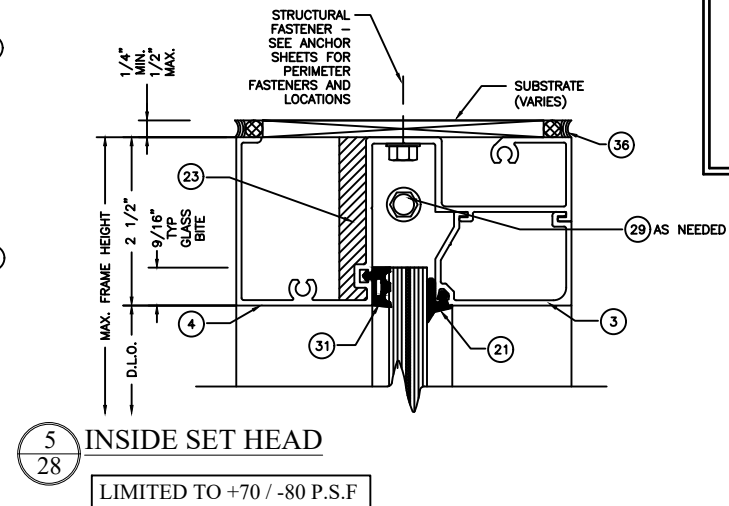
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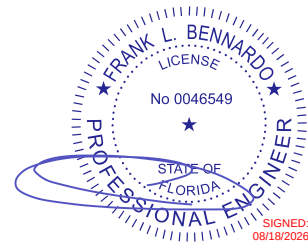
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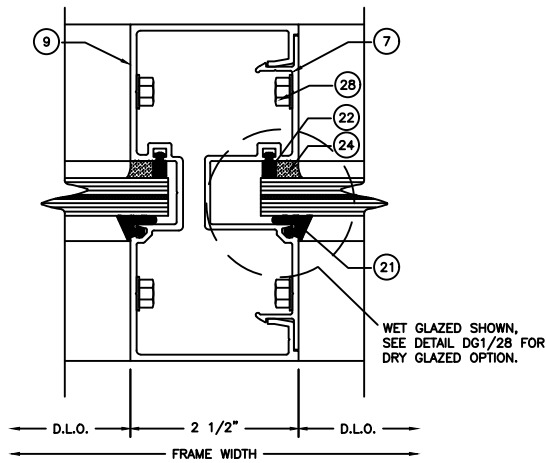
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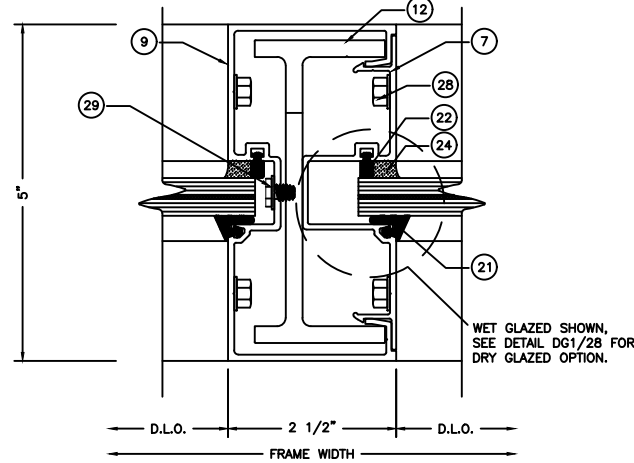
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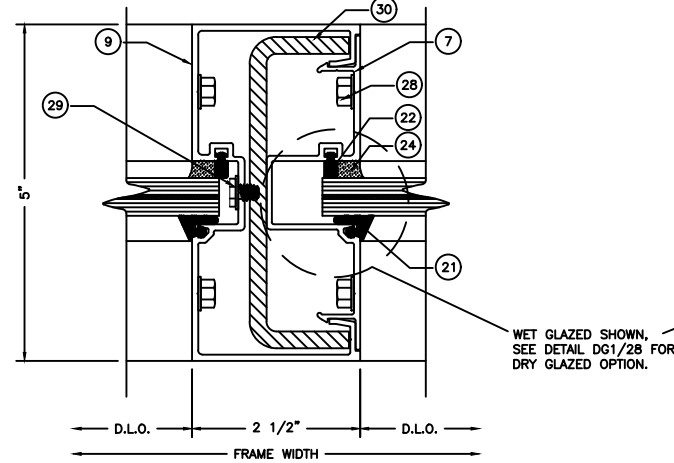


8 STANDARD VERTICAL  
29 M1

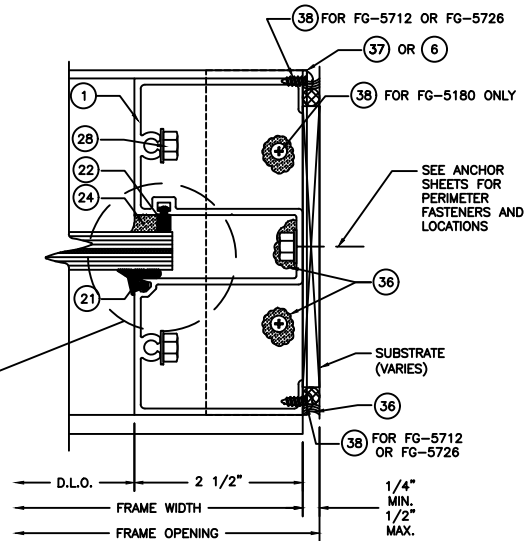


9 VERTICAL WITH  
29 ALUMINUM REINFORCEMENT

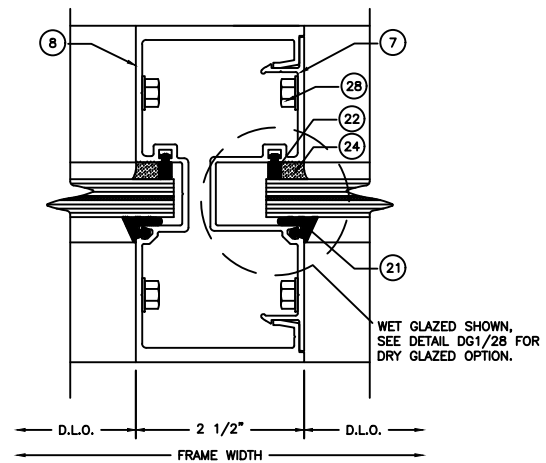
NOTE:  
MULLION CAN BE USED UNDER SITE SPECIFIC  
ENGINEERING AND SHALL BE APPROVED BY  
THE AUTHORITY HAVING JURISDICTION (AHJ).



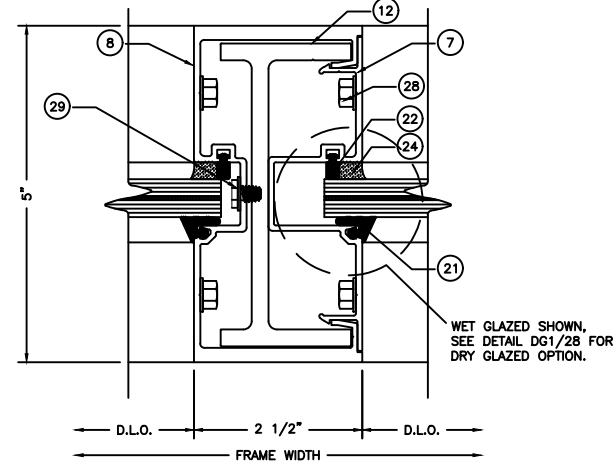
10 VERTICAL WITH  
29 STEEL REINFORCEMENT  
M5



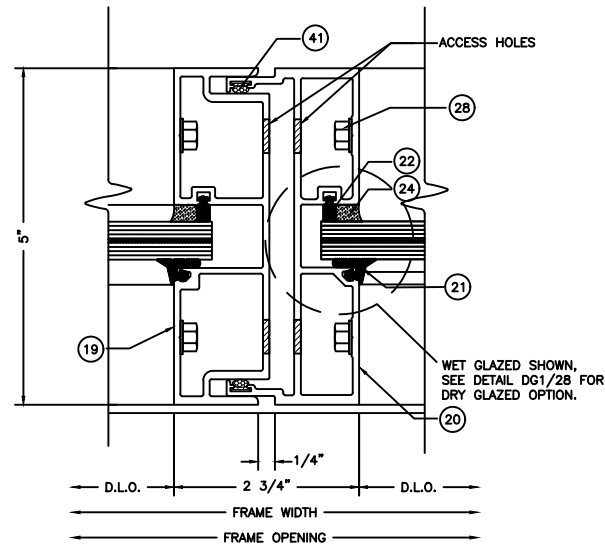
11 JAMB VERTICAL  
29



12 HEAVY VERTICAL  
29 M3

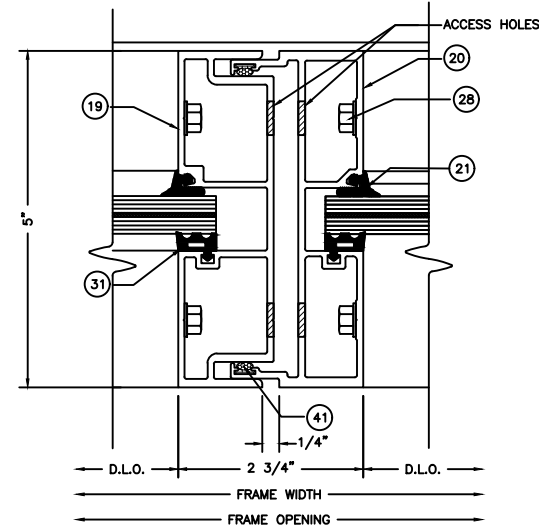


13 HEAVY VERTICAL WITH  
29 ALUMINUM REINFORCEMENT  
M4



14 EXPANSION MULLION  
29 M2

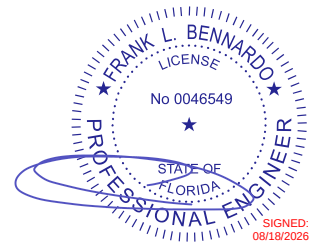
NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



14.1 INSIDE SET EXPANSION MULLION  
29 M2

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ

LOCATE REINFORCEMENT FASTENERS  
1-1/4" FROM EACH END.



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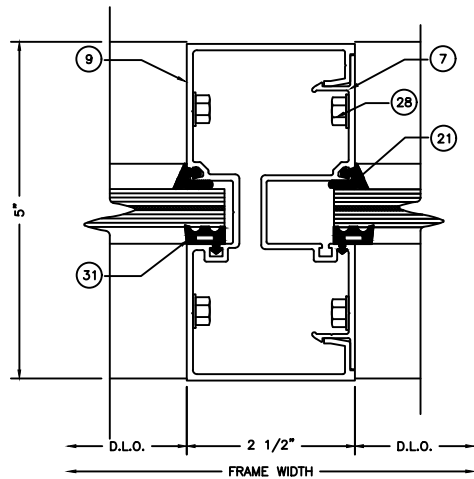
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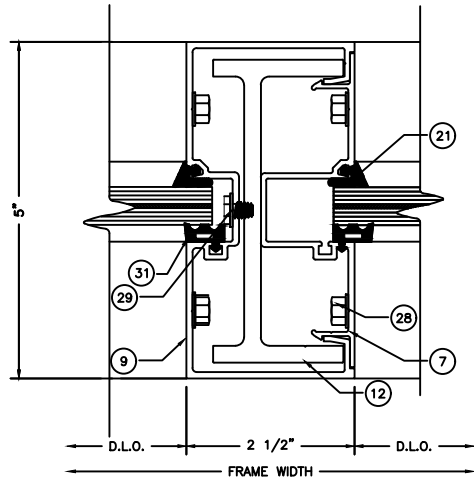
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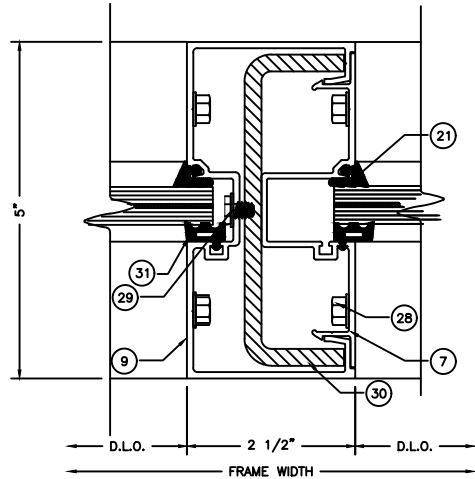


15/30 INSIDE SET STANDARD VERTICAL  
M1

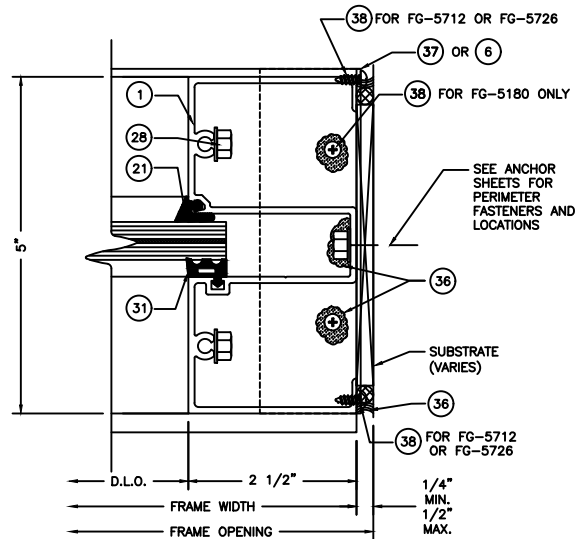


16/30 INSIDE SET VERTICAL WITH  
ALUMINUM REINFORCEMENT

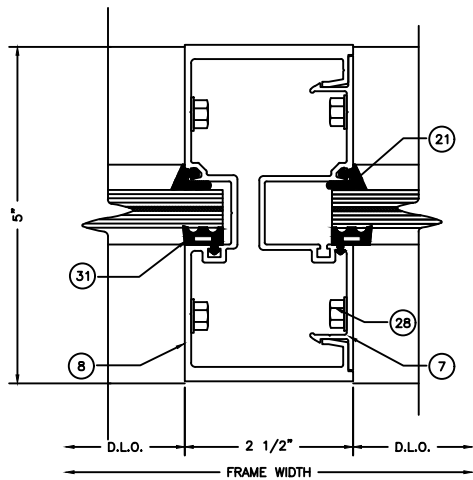
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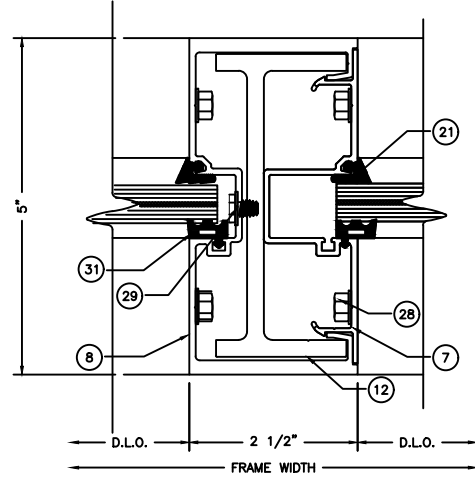
17/30 INSIDE SET VERTICAL WITH  
STEEL REINFORCEMENT  
M5



18/30 INSIDE SET JAMB VERTICAL

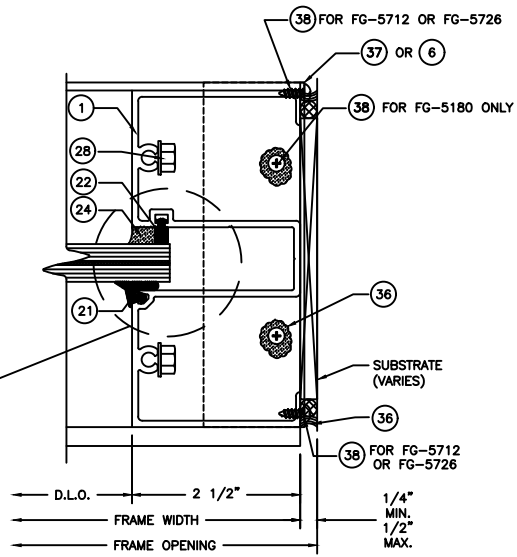


19/30 INSIDE SET HEAVY VERTICAL  
M3

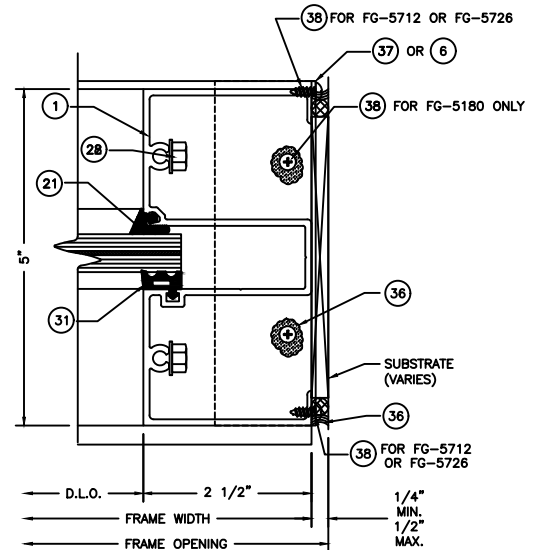


20/30 INSIDE SET HEAVY VERTICAL WITH  
ALUMINUM REINFORCEMENT  
M4

WET GLAZED SHOWN,  
SEE DETAIL DG1/28 FOR  
DRY GLAZED OPTION.



20.1/30 JAMB VERTICAL (NON ANCHORED)



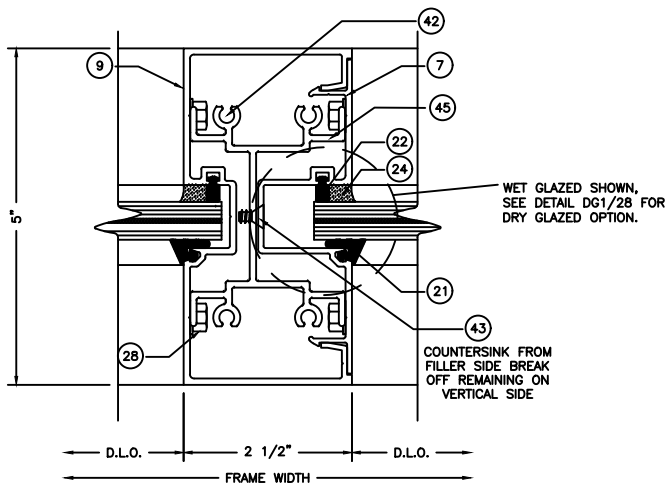
20.2/30 INSIDE SET JAMB VERTICAL  
(NON ANCHORED)-J1

LOCATE REINFORCEMENT FASTENERS  
1-1/4" FROM EACH END.

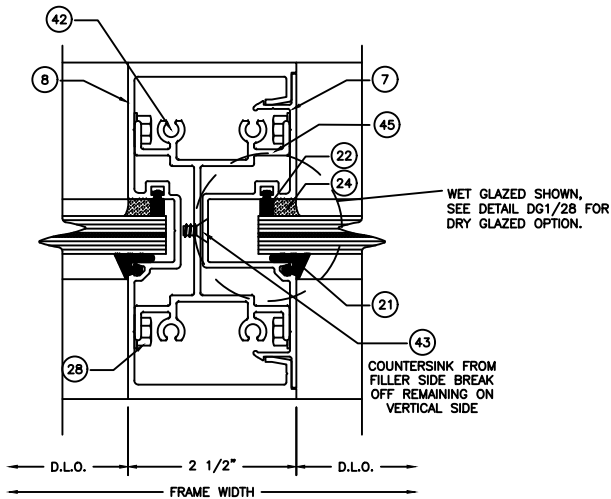
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SHEAR BLOCKS USE FOUR  
(4)  FASTENERS EACH.

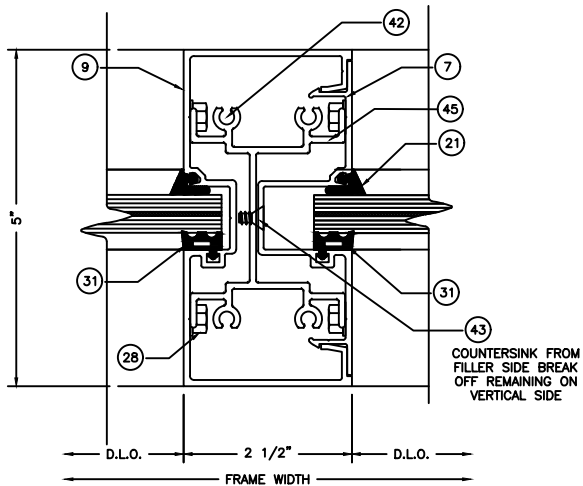
NOTE:  
CRIPPLED VERTICAL MULLIONS SHOWN  
HEREIN CAN BE USED UNDER SITE SPECIFIC  
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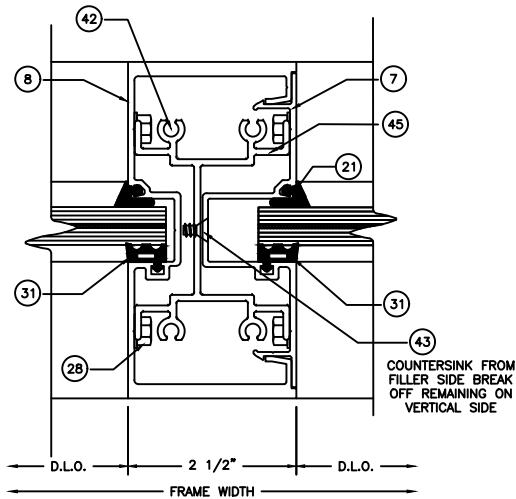
21  
31 CRIPPLED VERTICAL



22  
31 CRIPPLED HEAVY VERTICAL



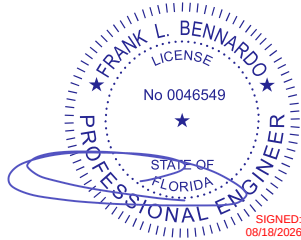
23  
31 INSIDE SET CRIPPLED VERTICAL



24  
31 INSIDE SET CRIPPLED HEAVY VERTICAL

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

AUGUST 13, 2026



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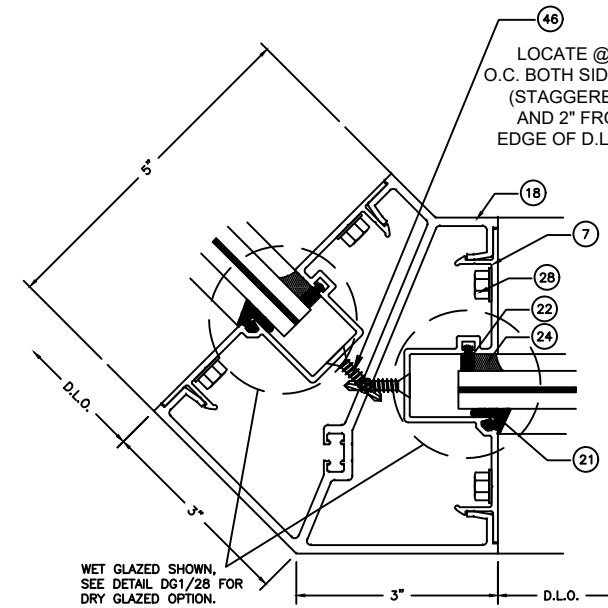
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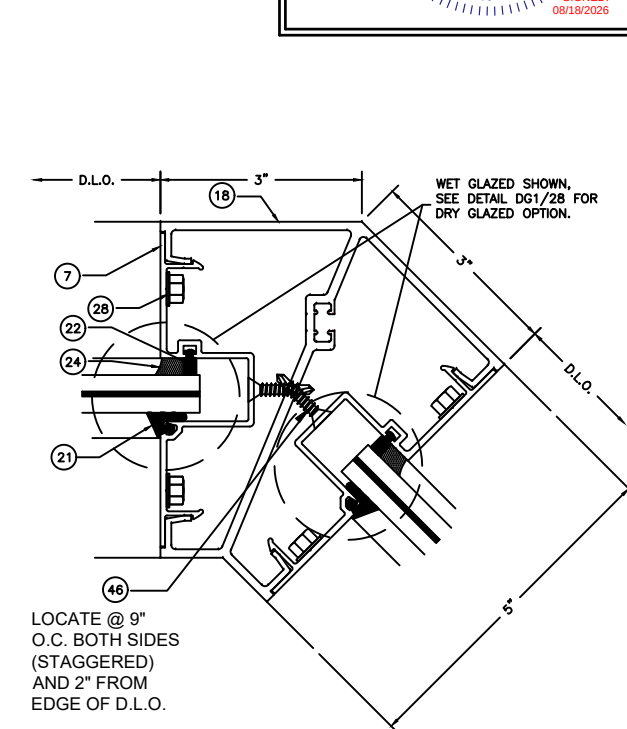
31

OF  
37



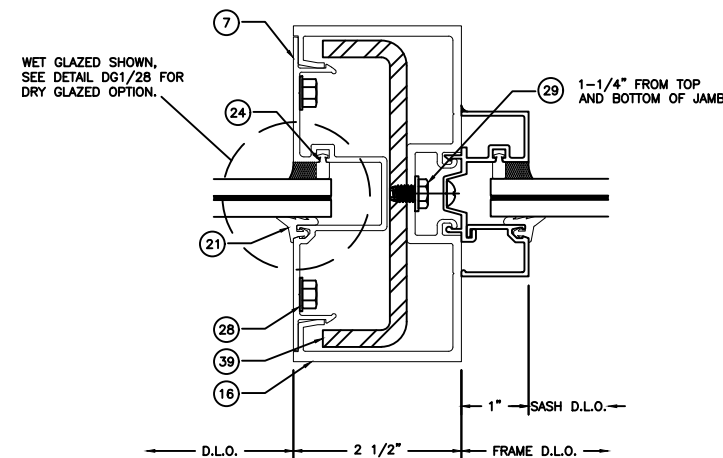
27  
32 90° INSIDE CORNER POST  
M6

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



② 135° CORNER POST  
M7

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



30 INTERMEDIATE TRANSOM MULLION AT SIDELITE  
32

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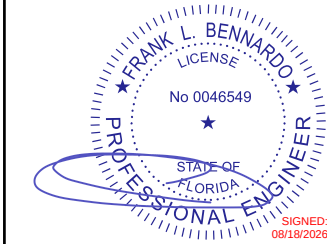
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| INIT ISSUE (WAS 20-29229) | JEM  | AJP  | 09/17/20 |
| 2023 FBC (23-59866a)      | SQ   | RS   | 08/30/23 |
| 2026 FBC UPDATE           | AEG  | RS   | 08/13/26 |
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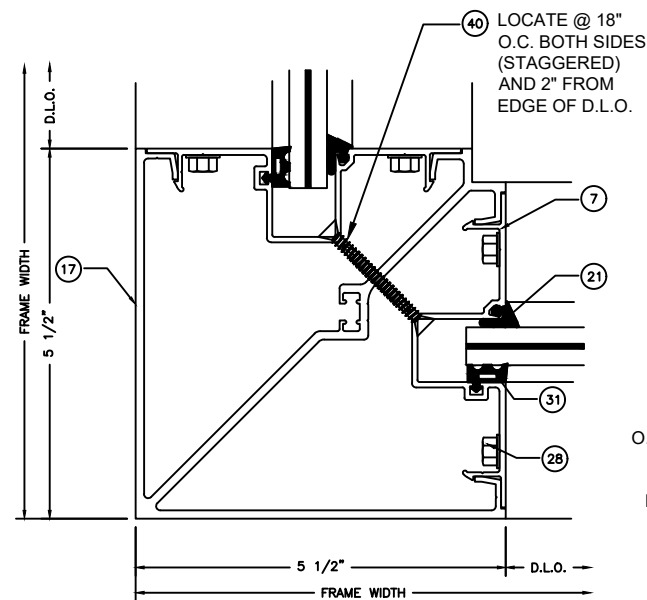
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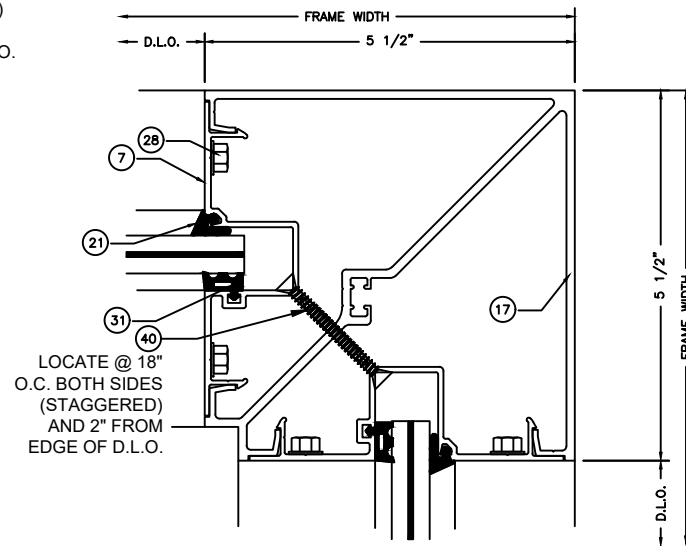
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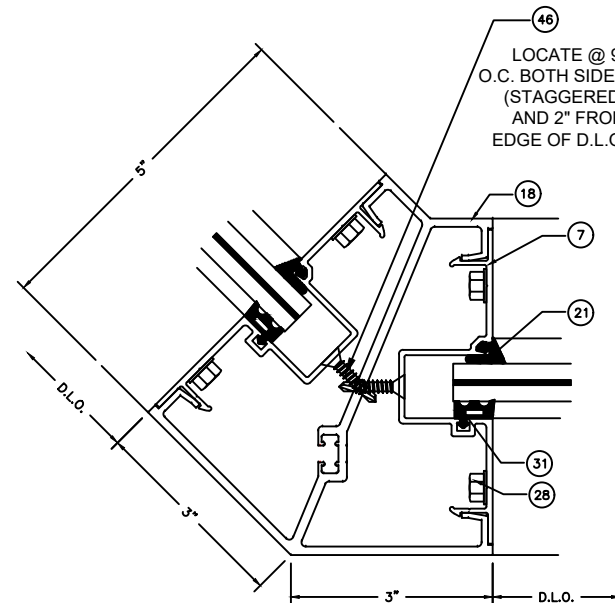
25.1  
33  
INSIDE SET 90° CORNER POST  
M6

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



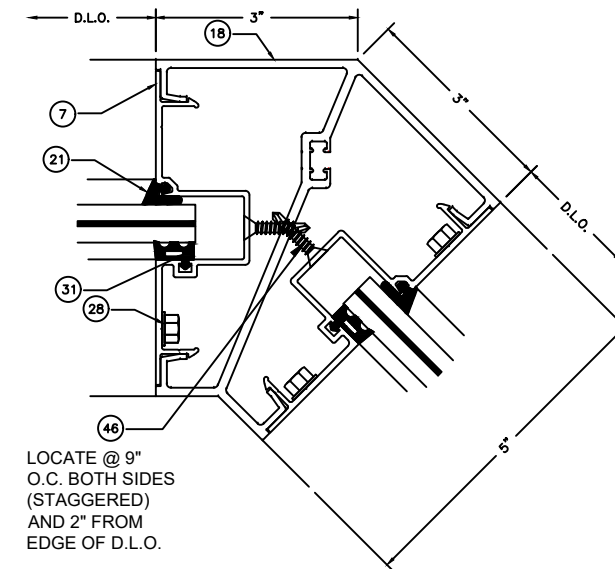
27.1  
33  
INSIDE SET 90° INSIDE CORNER POST  
M6

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



26.1  
33  
INSIDE SET 135° CORNER POST  
M7

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



28.1  
33  
INSIDE SET 135° INSIDE CORNER POST  
M7

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



Technical drawing of a U-shaped profile. The main drawing shows a cross-section with a total height of 2.500" and a total width of 5.000". The profile has a central rectangular opening. A detail view on the right shows a close-up of the corner, indicating a dimension of 0.094" for the inner radius or fillet.

Technical drawing of a stepped metal profile. The profile has a total width of 4.980" and a total height of 2.500". The top surface is divided into two sections: a left section 2.958" wide and a right section 2.022" wide. The left section has a height of 1.250". The right section is 2.500" high. The profile features a complex internal structure with multiple steps and a central vertical channel. The drawing is a line art representation of the profile's cross-section.

Technical drawing of a Z-shaped extrusion profile. The dimensions are as follows:

- Top horizontal segment: 2.958" (left) and 2.022" (right)
- Left vertical segment: 1.250"
- Right vertical segment: 2.500"
- Bottom horizontal segment: 4.980"

0.625"

0.094" TYP.

5.263"

3.125"

Technical drawing of a U-shaped profile. The drawing shows the profile with dimensions: 2.500" height, 5.000" width, and 0.213" thickness.

Technical drawing of a U-channel cross-section. The overall width is 5.000 inch, the overall height is 2.500 inch, and the wall thickness is 0.094 inch. The channel has a complex profile with multiple steps and a central cutout.

Technical drawing of a Z-section profile. The dimensions are as follows:

- Top flange width: 1.938"
- Web height: 4.500"
- Top flange thickness: 0.250"
- Web thickness: 0.250"
- Stem thickness: 1.226"

Technical drawing of a rectangular plate. The dimensions are labeled as follows:

- Length: 5.402"
- Height: 2.625"
- Thickness: 0.078"

Technical drawing of a rectangular frame. The overall width is 5.000". The overall height is 2.500". The thickness of the frame is 0.125". The drawing shows a cross-section of the frame with a central rectangular opening. The frame has a consistent thickness of 0.125" throughout.

Technical drawing of a corner post. The drawing shows a cross-section of the post with the following dimensions:

- Top-left diagonal edge: 4.925"
- Top-right corner angle: 135°
- Right vertical edge: 5.000"
- Bottom-right horizontal edge: 3.000"
- Bottom-left horizontal edge: 3.000"
- Wall thickness: 0.140"

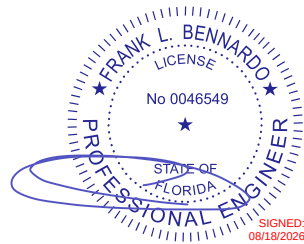
The drawing is labeled "CORNER POST" at the bottom left.

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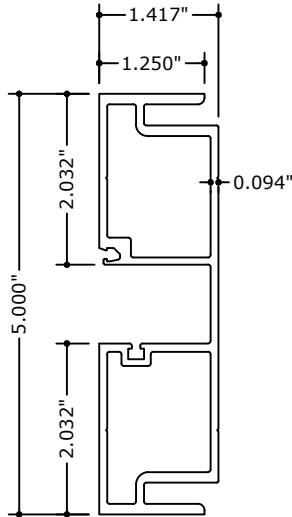
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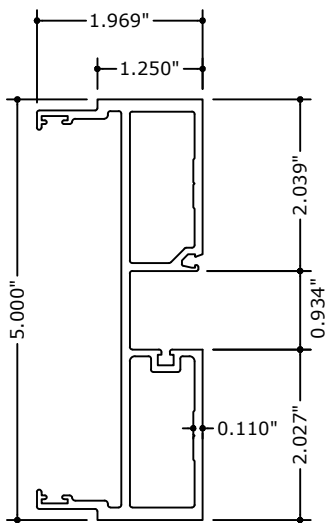
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19 FG-5724  
EXPANSION MULLION



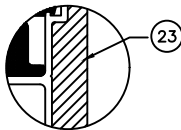
20 FG-5725  
EXPANSION MULLION



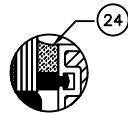
21 FG-5730  
EXTERIOR GLAZING GASKET



22 FG-5731  
SPACER GASKET



23 SM5601  
JOINT TAPE



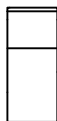
24 DOWSIL 995  
SEALANT



25 FG-5733  
SETTING BLOCK



26 FG-5734  
SETTING BLOCK



27 FG5790-01  
WATER DIVERTER



28 FS-8  
JOINT FASTENER

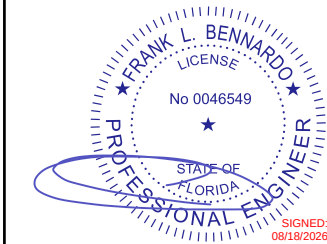


29 FS-354  
REINFORCEMENT FASTENER

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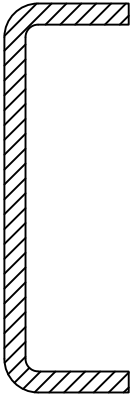
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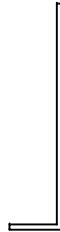
30 RS-30  
STEEL REINFORCEMENT



31 FG-5732  
DRY GLAZE GASKET



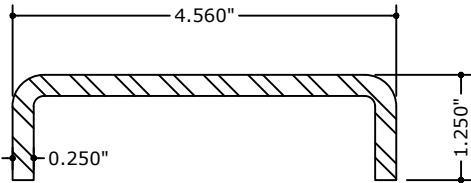
32 FS-27  
FASTENER



37 AN-101-01  
SILL END DAM  
FOR USE WITH FG-5712  
& FG-5180 SUBSILL



38 FS-23  
SILL END DAM  
FASTENER



39 FG5000-PP-8  
STEEL REINF. AT DOOR JAMB



40 FS-59  
CORNER ASSEMBLY FASTENER



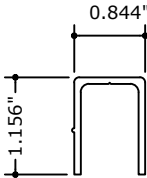
41 CW-998  
EXPANSION MULL GASKET



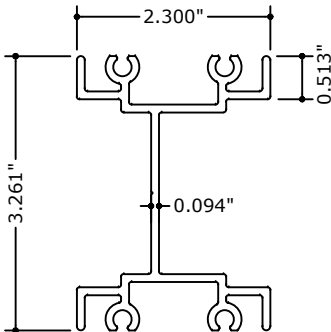
42 FS-96  
SHEAR BLOCK  
FASTENER



43 FS-56  
FASTENER



44 FG-5721-01  
SETTING CHAIR



45 FG-5714-01  
SHEAR BLOCK



46 FS-58  
FASTENER

| ITEM NO.       | P/N       | DESCRIPTION                            | DIMENSIONS                              | MATERIAL         | NOTES                  |
|----------------|-----------|----------------------------------------|-----------------------------------------|------------------|------------------------|
| ALUMINUM PARTS |           |                                        |                                         |                  |                        |
| 1              | FG-5700   | HEAD/SILL/JAMB                         | 2.500 x 5.000 x 0.094                   | 6063-T6 ALUMINUM |                        |
| 2              | FG-5702   | HORIZONTAL MULLION                     | 2.500 x 4.980 x 0.094                   | 6063-T6 ALUMINUM |                        |
| 3              | FG-5710   | GLASS STOP                             | 1.250 x 2.021 x 0.078                   | 6063-T6 ALUMINUM |                        |
| 4              | FG-5701   | HEAD/SILL                              | 2.500 x 4.980 x 0.094                   | 6063-T6 ALUMINUM |                        |
| 5              | FG-5726   | 5/8" SUBSILL                           | 1.970 X 5.000 X .094                    | 6063-T6 ALUMINUM |                        |
| 6              | AN-104-01 | END DAM (FOR USE WITH FG-5726 SUBSILL) | 3.250" x 0.687" x 0.006" x 5.2188" LONG | 6063-T6 ALUMINUM |                        |
| 7              | FG-5711   | POCKET FILLER                          | 0.681 x 4.670 x 0.080                   | 6063-T6 ALUMINUM |                        |
| 8              | FG-5704   | HEAVY MULLION                          | 2.500 x 5.000 x 0.213                   | 6063-T6 ALUMINUM |                        |
| 9              | FG-5703   | VERTICAL MULLION                       | 2.500 x 5.000 x 0.094                   | 6063-T6 ALUMINUM |                        |
| 12             | FG-5720   | ALUMINUM STIFFENER                     | 4.500 x 1.9375 x 0.250                  | 6063-T6 ALUMINUM | MAXIMUM LENGTH OF 144" |
|                | NOT USED  | NOT USED                               | NOT USED                                | NOT USED         | NOT USED               |
| 14             | FG-5712   | 5/8" SUBSILL                           | 5.276 x 2.750 x 0.100                   | 6063-T6 ALUMINUM |                        |
| 15             | FG-5180   | 1/8" SUBSILL                           | 5.402 x 2.625 x 0.080                   | 6063-T6 ALUMINUM |                        |
| 16             | FG-5713   | VERTICAL DOOR MULLION W/ SIDELITE      | 2.500 x 5.000 x 0.125                   | 6063-T6 ALUMINUM |                        |
| 17             | FG-5706   | 90° CORNER MULLION                     | 5.500 x 5.500 x 0.125                   | 6063-T6 ALUMINUM |                        |
| 18             | FG-5707   | 135° CORNER MULLION                    | 3.000 x 5.000 x 0.125                   | 6063-T6 ALUMINUM |                        |
| 19             | FG-5724   | EXPANSION MULLION                      | 1.420 X 5.000 X .094                    | 6063-T6 ALUMINUM |                        |
| 20             | FG-5725   | EXPANSION MULLION                      | 1.970 X 5.000 X .094                    | 6063-T6 ALUMINUM |                        |

| ACCESSORY PARTS |             |                            |                                       | NOTES                    |                                                                    |
|-----------------|-------------|----------------------------|---------------------------------------|--------------------------|--------------------------------------------------------------------|
| 21              | FG-5730     | GLAZING GASKET             | 0.518" x 0.507"                       | EPDM                     |                                                                    |
| 22              | FG-5731     | SPACER GASKET              | 0.194" x 0.375"                       | SILICONE                 |                                                                    |
| 23              | SM5601      | JOINT SEALANT TAPE         | 0.500 x 0.125 x VARIES                | POLYISOBUTYLENE          |                                                                    |
| 24              | DOWSIL 995  | STRUCTURAL SEALANT         | --                                    | SILICONE                 | FOR WET GLAZING AND FRAME ASSEMBLY                                 |
| 25              | FG-5733     | SETTING BLOCK              | 0.313 x 1.250 x 4.000                 | EPDM                     | 2 PER LITE                                                         |
| 26              | FG-5734     | SETTING BLOCK              | 0.800 x 0.548 x 4.000                 | EPDM                     | 2 PER LITE, FOR INSIDE GLAZED INTERM. HORIZ.                       |
| 27              | FG-5790-01  | WATER DIVERTER             | 1.38" x 1.38" x 0.062" x 0.594" LONG  | INJECTION MOLDED PLASTIC | AT EACH END OF INTERMEDIATE HORIZONTALS                            |
| 28              | FS-8        | FASTENER                   | #14 x 1" HHSTS                        | STEEL                    | SCREW SPLINE SCREW                                                 |
| 29              | FS-354      | FASTENER                   | ¼"-20 x 3/8" HH TYPE F                | STEEL                    | REINFORCEMENT SCREW, 1-1/4" FROM CORNERS                           |
| 30              | RS-30       | STEEL REINFORCEMENT        | 4.562 x 1.250 x 0.250                 | STEEL                    | ASTM A-36                                                          |
| 31              | FG-5732     | DRY GLAZE GASKET           | 0.28" x 0.594"                        | EPDM                     |                                                                    |
| 32              | FS-27       | FASTENER (SILL-TO-SUBSILL) | #12 x 1/2" PPH SMS                    | STEEL                    | 4 FASTENERS PER SIDE (2" FROM MULLION & 2" ON CENTER, 4 PER SIDE). |
|                 | NOT USED    | NOT USED                   | NOT USED                              | NOT USED                 | NOT USED                                                           |
| 36              | DOWSIL 795  | PERIMETER SEALANT          | --                                    | SILICONE                 |                                                                    |
| 37              | AN-101-01   | SILL FLASHING END DAM      | 2.688 x 0.750 x 0.063 x 5.125         | 6063-T6 ALUMINUM         | FOR USE WITH FG-5712 & FG-5180 SUBSILL                             |
| 38              | FS-23       | FASTENER                   | #6 x 3/8" PPH                         | STEEL                    | ATTACH END DAM TO SUBSILL                                          |
| 39              | FG5000-PP-8 | STEEL REINF. AT DOOR JAMB  | 4.560 x 1.250 x 0.250                 | STEEL                    | USED AT DOOR JAMBS                                                 |
| 40              | FS-59       | FASTENER                   | #10 x 1-1/2" PFH SMS                  | STEEL                    | USED AT 90° CORNERS                                                |
| 41              | CW-998      | BULB GASKET                | 0.270" x 0.250"                       | EPDM                     | EXPANSION MULLION                                                  |
| 42              | FS-96       | FASTENER                   | #12 x 2-1/2" PPH SMS                  | STEEL (GEOMET)           | SHEAR BLOCK SCREW                                                  |
| 43              | FS-56       | FASTENER                   | #10 x 1/2" UCPFH                      | STAINLESS STEEL          | CRIPPLED SHEAR BLOCK                                               |
| 44              | FG-5721-01  | SETTING CHAIR              | 0.824" x 1.158 x 0.078" x 4.000" LONG | 6063-T6 ALUMINUM         |                                                                    |
| 45              | FG-5714-01  | SHEAR BLOCK                | 2.292" x 3.294 x 0.094" x 2.000" LONG | 6063-T6 ALUMINUM         | 2" IN LENGTH                                                       |
| 46              | FS-58       | FASTENER                   | #10x 1" PFH SMS                       | STEEL GEOMET             | USED AT 135° CORNERS                                               |

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