

c:\users\sam\engineering express\production - documents\projects\23-123-59871 multiple products 2023 fbc update fl 41646\work\drawings & cad\23-59871 - armordefend plus storefront - fl41646-1.dwg

2-1/2"x5" CENTER SET STOREFRONT  
W/ 1-1/4" ARMORGARDE™ / ARMORGARDE™ PLUS GLAZING  
(WET AND DRY GLAZED)  
NON-IMPACT & NON-HVHZ



|       |                                      |
|-------|--------------------------------------|
| 01    | COVER SHEET                          |
| 02    | ELEVATIONS                           |
| 03    | GLAZING DETAILS                      |
| 04-06 | GLASS LOADING TABLES                 |
| 07    | MULLION & JAMB LOADING DETERMINATION |
| 08-11 | MULLION LOADING CHARTS               |
| 12-24 | FASTENER SCHEDULE AND ANCHOR CHARTS  |
| 25-28 | STANDARD FRAMING DETAILS             |
| 29-31 | PART DRAWINGS                        |
| 32-33 | BILL OF MATERIALS                    |
| 33    | TOTAL                                |

**NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:**

GENERAL NOTES:

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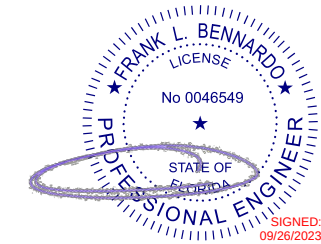
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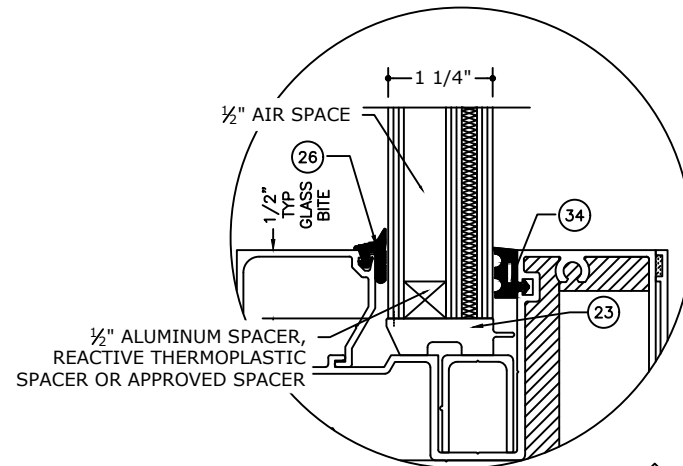




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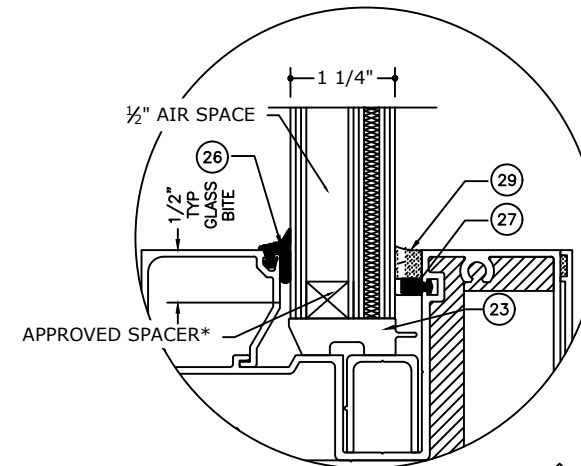
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ARMORGARDE 

GLAZING DETAIL (DRY GLAZED)

GLASS RATING:

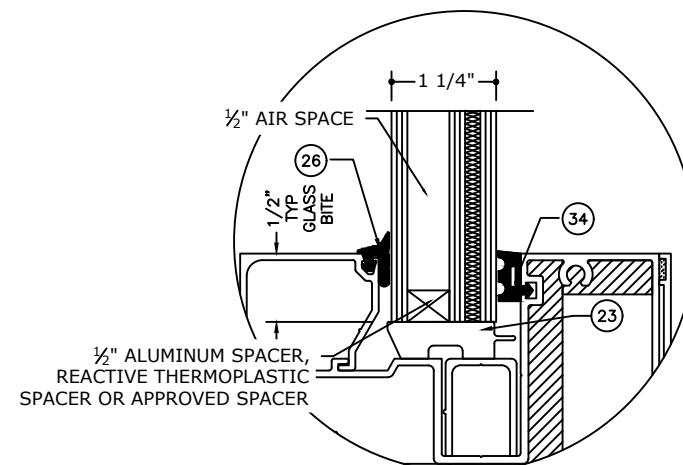
NON-IMPACT  
1 1/4" GLASS

ARMORGARDE 

### GLAZING DETAIL (WET GLAZED)

GLASS RATING:

NON-IMPACT  
1 1/4" GLASS

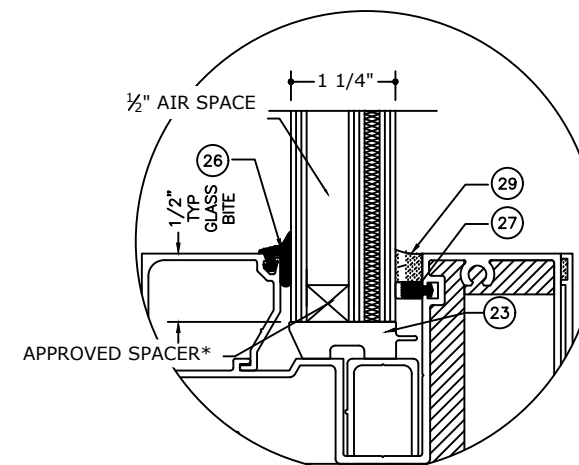


ARMORGARDE PLUS 

GLAZING DETAIL (DRY GLAZED)

GLASS RATING:

NON-IMPACT  
1 1/4" GLASS

ARMORGARDE PLUS  G4

### GLAZING DETAIL (WET GLAZED)

GLASS RATING:

NON-IMPACT  
1 1/4" GLASS

GLAZING UNITS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS.

\* QUANEX SUPER SPACER® T-SPACER™,  
REACTIVE THERMOPLASTIC SPACER,  
ALUMINUM SPACER, TECHNOFORM  
TGI-SPACER OR ANY APPROVED SPACER FOR  
WET GLAZED INSULATED GLAZING UNIT

NOTE: GLASS SIZE = DLO + 1"

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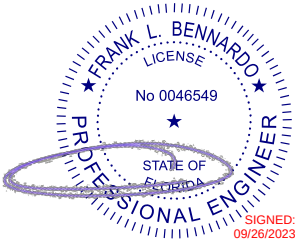
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## DLO HEIGHT AND WIDTH CAN BE REVERSED

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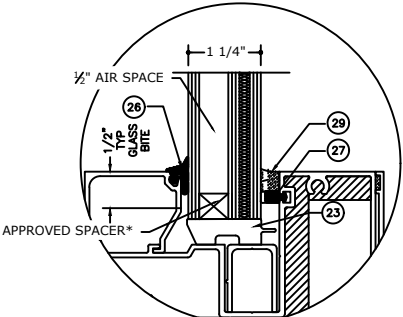
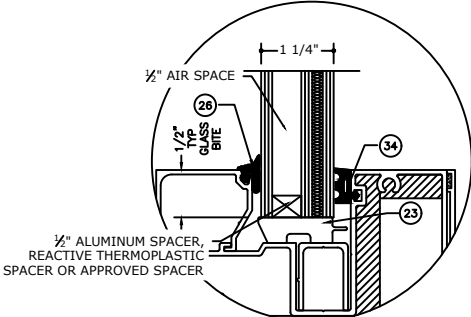
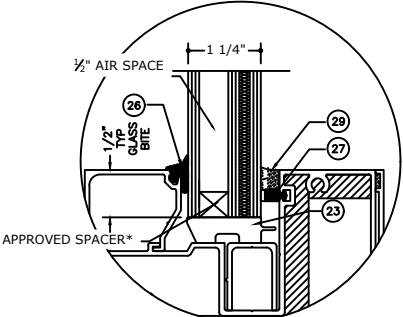


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Diagram illustrating the components and dimensions of a double-pane window assembly:

- $\frac{1}{2}$ " AIR SPACE
- $\frac{1}{2}$ " ALUMINUM SPACER, REACTIVE THERMOPLASTIC SPACER OR APPROVED SPACER
- $\frac{1}{2}$ " TYP GLASS UNIT
- 26
- 34
- 2
- 23
- 1 1/4"

ARMORGARDE 

ARMORGARDE ARMORGARDE PLUS 

ARMORGARDE PLUS 

NOTES:

GLASS ASPECT RATIO (AR) SHALL BE 5:1 MAX.

GLASS ASPECT RATIO CAN BE CALCULATED AS

LARGER GLASS UNIT DIMENSION DEVIDED BY

SMALLER GLASS UNIT DIMENSION, AR SHALL NOT

EXCEED 5

DLO HEIGHT AND WIDTH CAN BE REVERSED

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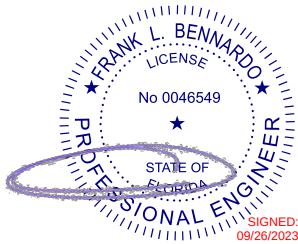
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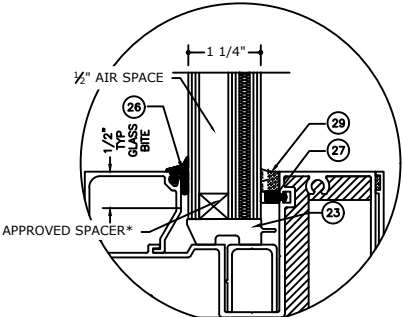
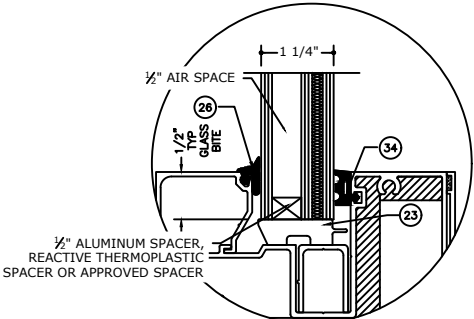
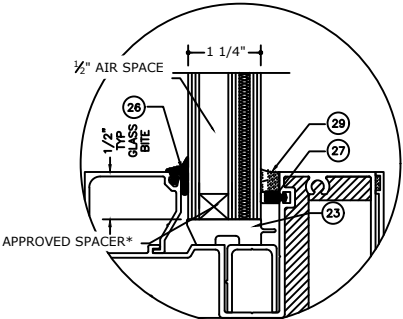
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Figure 1 is a detailed cross-sectional view of the window assembly. It shows the window frame (23) with a width of 1 1/4 inch. The frame contains a glass pane (26) with a thickness of 1/2 inch. An air space of 1/2 inch is shown between the glass and the frame. A component (34) is shown at the bottom of the frame, likely a hinge or latch mechanism. The assembly is shown in cross-section, with hatching used to differentiate materials.

ARMORGARDE ARMORGARDE ARMORGARDE PLUS ARMORGARDE PLUS 

NOTES:  
GLASS ASPECT RATIO (AR) SHALL BE 5:1 MAX.  
GLASS ASPECT RATIO CAN BE CALCULATED AS  
LARGER GLASS UNIT DIMENSION DEVIDED BY  
SMALLER GLASS UNIT DIMENSION, AR SHALL NOT  
EXCEED 5

## DLO HEIGHT AND WIDTH CAN BE REVERSED

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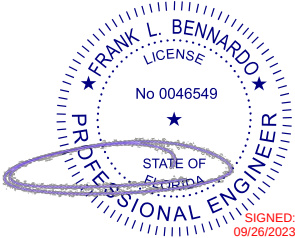
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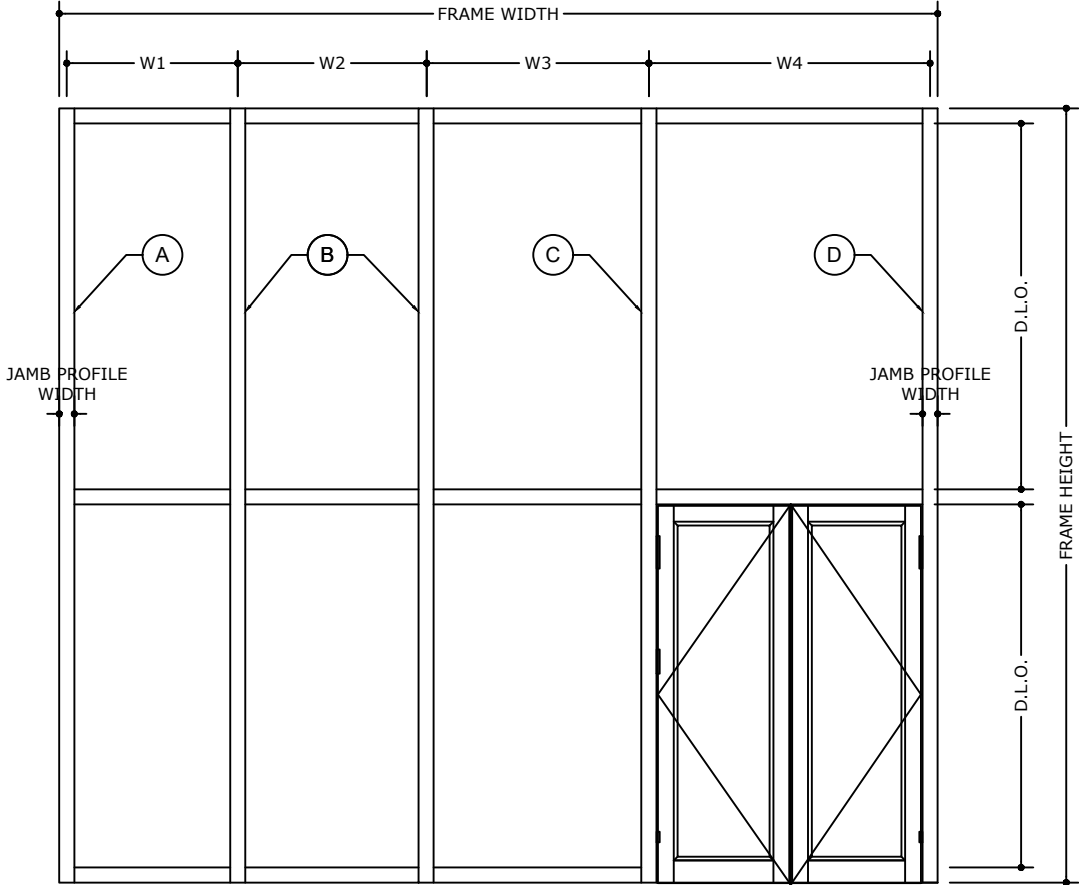


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MULLION & JAMB LOAD DETERMINATION



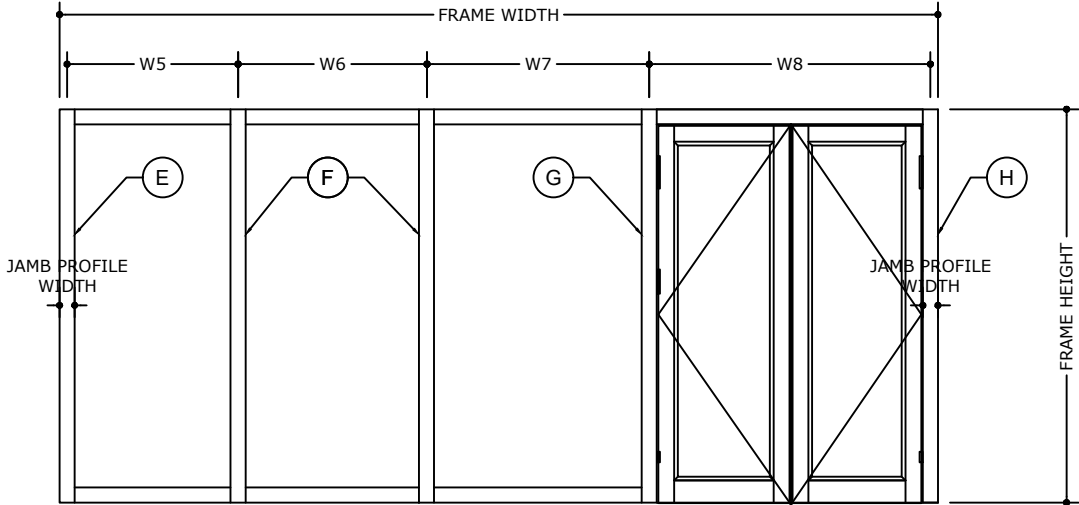
LOAD DETERMINATION

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 )



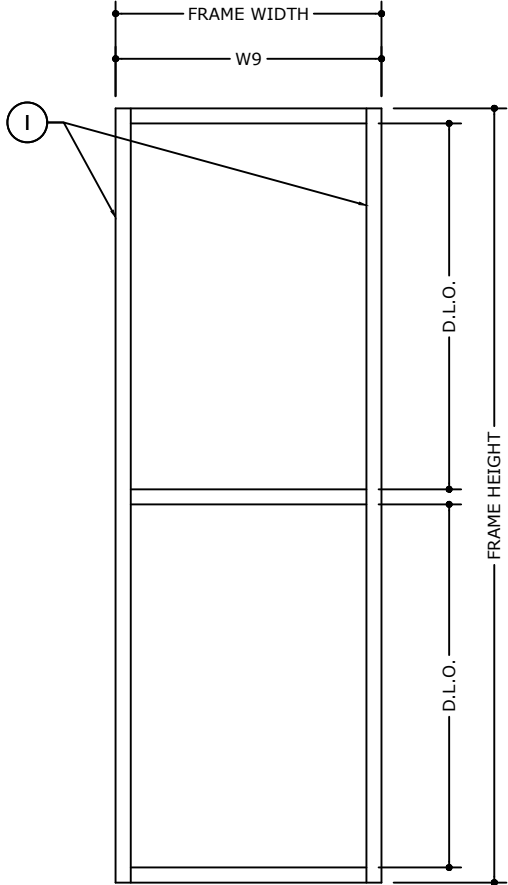
LOAD DETERMINATION

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)

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

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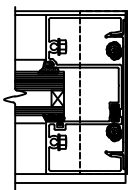
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# MULLION LOADING TABLES (P.S.F.)

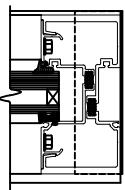
| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           |
|--------------------------------------|---------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                      |                     | M1           |           | M2           |           | 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 | (+) P.S.F    | (-) P.S.F |
| 66                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
| 72                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
| 78                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
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|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
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|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
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|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
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|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
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|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
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|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 72                  | 60           | 60        | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
| 84                                   | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 60           |           |              |           |              |           |              |           |              |           |

| SINGLE SPAN JAMB<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           |
|-----------------------------------|---------------------|--------------|-----------|--------------|-----------|
|                                   |                     | J1           |           | J2           |           |
| FRAME<br>HEIGHT (in)              | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F |
| 36                                | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |
|                                   | 36                  | 60           | 60        | 60           | 60        |
|                                   | 42                  | 60           | 60        | 60           | 60        |
|                                   | 44.75               | 60           | 60        | 60           | 60        |
|                                   | 48                  | 60           | 60        | 60           | 60        |
|                                   | 54                  | 60           | 60        | 60           | 60        |
|                                   | 60                  | 60           | 60        | 60           | 60        |
|                                   | 66                  | 60           | 60        | 60           | 60        |
| 48                                | 72                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |
|                                   | 36                  | 60           | 60        | 60           | 60        |
|                                   | 42                  | 60           | 60        | 60           | 60        |
|                                   | 44.75               | 60           | 60        | 60           | 60        |
|                                   | 48                  | 60           | 60        | 60           | 60        |
| 50                                | 54                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |
|                                   | 36                  | 60           | 60        | 60           | 60        |
|                                   | 42                  | 60           | 60        | 60           | 60        |
|                                   | 44.75               | 60           | 60        | 60           | 60        |
| 54                                | 48                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |
|                                   | 36                  | 60           | 60        | 60           | 60        |
|                                   | 42                  | 60           | 60        | 60           | 60        |
|                                   | 44.75               | 60           | 60        | 60           | 60        |
| 60                                | 48                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |
|                                   | 36                  | 60           | 60        | 60           | 60        |
| 64                                | 42                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |
| 66                                | 36                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
| 72                                | 30                  | 60           | 60        | 60           | 60        |
|                                   | 24                  | 60           | 60        | 60           | 60        |
|                                   | 36                  | 60           | 60        | 60           | 60        |
| 78                                | 24                  | 60           | 60        | 60           | 60        |
|                                   | 30                  | 60           | 60        | 60           | 60        |

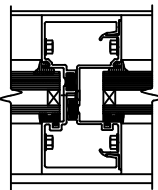
- APPLICABLE FOR UN-ANCHORED JAMB CONDITION ONLY
- JAMB TRIBUTARY SHALL BE DETERMINED PER SHEET 12 FOR SINGLE UNIT OR MULTI-UNITS STOREFRONT



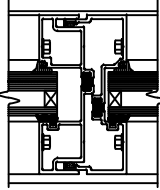
J1  
DETAIL  
11



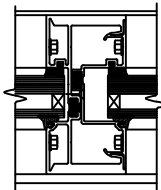
J2  
DETAIL  
12



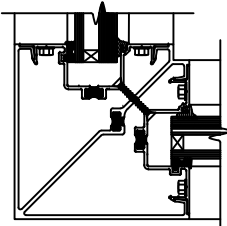
M1  
DETAIL  
5



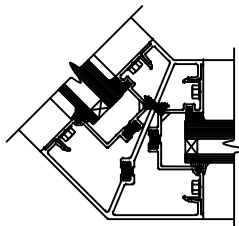
M2  
DETAIL  
7



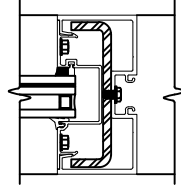
M4  
DETAIL  
6



M5  
DETAILS  
13 & 15



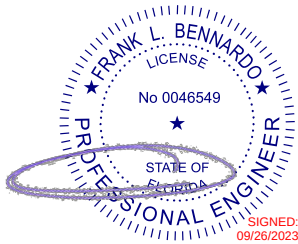
M6  
DETAILS  
14 & 16



M8  
DETAILS  
8 & 9

NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

NOTE: SPANS NOT IN THIS TABLE  
CAN BE ADDED UNDER SITE  
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33

## FL

| SINGLE SPAN JAMB<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           |
|-----------------------------------|---------------------|--------------|-----------|--------------|-----------|
|                                   |                     | J1           |           | J2           |           |
| FRAME<br>HEIGHT (in)              | FRAME<br>WIDTH (in) | (+) P.S.F    | (-) P.S.F | (+) P.S.F    | (-) P.S.F |
| 84                                | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 60           | 60        | 60           | 60        |
| 89                                | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 60           | 60        | 60           | 60        |
| 96                                | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 60           | 60        | 60           | 60        |
| 102                               | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 59           | 59        | 59           | 59        |
| 108                               | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 53           | 53        | 53           | 53        |
| 114                               | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 47           | 47        | 47           | 47        |
| 120                               | 24                  | 60           | 60        | 60           | 60        |
|                                   | 31                  | 40           | 40        | 40           | 40        |

NOTE: SPANS NOT IN THIS TABLE  
CAN BE ADDED UNDER SITE  
SPECIFIC ENGINEERING AND SHALL  
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HAVING JURISDICTION (AHJ)

M8  
DETAIL  
8 & 9

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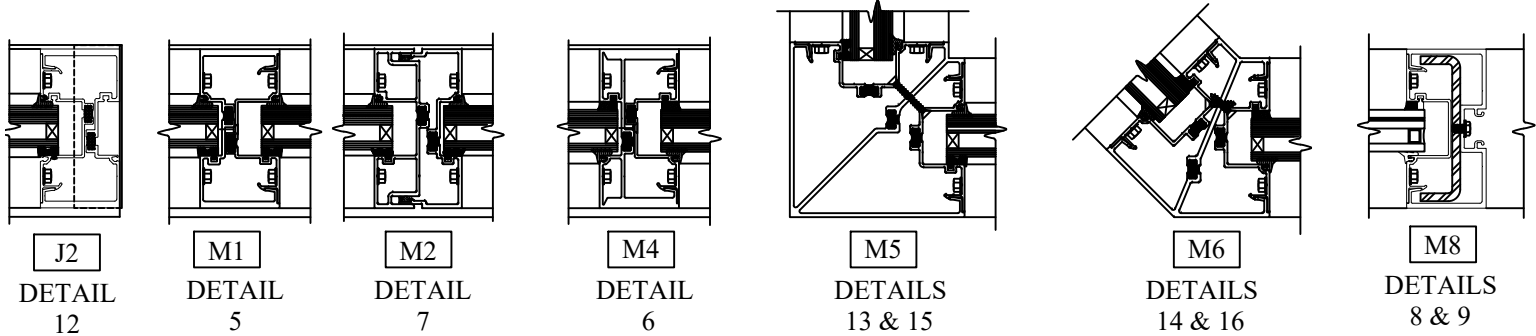
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MULLION LOADING TABLES (P.S.F.)

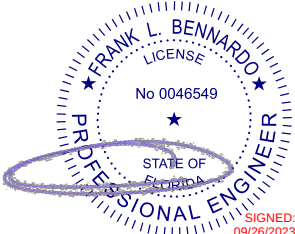
| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           |
|--------------------------------------|---------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                      |                     | M1           |           | M2           |           | 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 | (+) P.S.F    | (-) P.S.F |
| 109                                  | 24                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | 56           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | -            | -         |
|                                      | 72                  | -            | -         | 40           | 40        | -            | -         | 60           | 60        | -            | -         |
| 114                                  | 24                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 58           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 53           | 56        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | -            | -         | 40           | 40        | 60           | 60        | 60           | 60        | -            | -         |
|                                      | 72                  | -            | -         | 40           | 40        | -            | -         | 60           | 60        | -            | -         |
| 120                                  | 24                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 57           | 57        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 52           | 51        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | 47           | 47        | 40           | 40        | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 66                  | -            | -         | 40           | 40        | -            | -         | 60           | 60        | -            | -         |
|                                      | 72                  | -            | -         | -            | -         | -            | -         | 60           | 60        | -            | -         |
| 126                                  | 24                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 60                  | -            | -         | -            | -         | 60           | 60        | 60           | 60        | -            | -         |
|                                      | 66                  | -            | -         | -            | -         | -            | -         | 60           | 60        | -            | -         |

NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

NOTE: SPANS NOT IN THIS TABLE  
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FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



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| INIT ISSUE | 09/08/23 |      |      |    |    |
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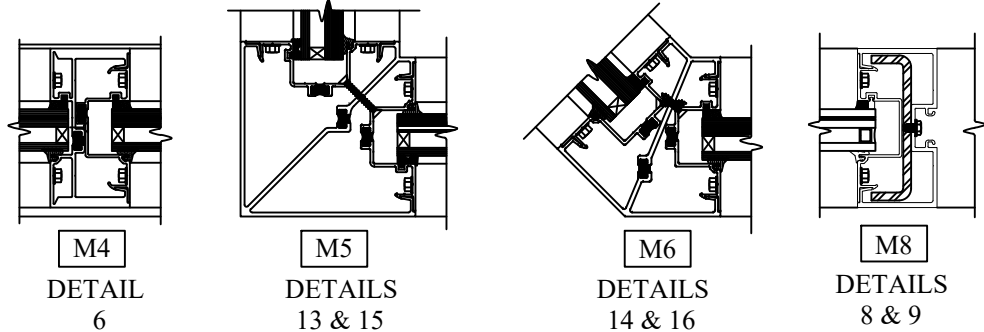
10 OF 33

# MULLION LOADING TABLES (P.S.F.)

| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE |           | MULLION TYPE |           | MULLION TYPE |           |
|--------------------------------------|---------------------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                      |                     | 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 |
| 132                                  | 24                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 60           | 60        | 60           | 60        | -            | -         |
|                                      | 60                  | -            | -         | 60           | 60        | -            | -         |
|                                      | 66                  | -            | -         | 60           | 60        | -            | -         |
| 138                                  | 24                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 54                  | 56           | 56        | 60           | 60        | -            | -         |
| 60                                   | -                   | -            | 60        | 60           | -         | -            |           |
| 144                                  | 24                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 30                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 36                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 42                  | 60           | 60        | 60           | 60        | 60           | 60        |
|                                      | 44.75               | 58           | 58        | 60           | 60        | 60           | 60        |
|                                      | 48                  | 54           | 54        | 60           | 60        | 57           | 57        |
|                                      | 54                  | 49           | 49        | 60           | 60        | -            | -         |
|                                      | 60                  | -            | -         | 55           | 63        | -            | -         |
| 146                                  | 24                  | 60           | 60        | -            | -         | -            | -         |
|                                      | 30                  | 60           | 60        | -            | -         | -            | -         |
|                                      | 36                  | 60           | 60        | -            | -         | -            | -         |
|                                      | 42                  | 59           | 59        | -            | -         | -            | -         |
|                                      | 44.75               | 56           | 56        | -            | -         | -            | -         |
|                                      | 48                  | 52           | 52        | -            | -         | -            | -         |

NOTE: FRAME WIDTHS = FRAME  
TRIBUTARY WIDTH

NOTE: SPANS NOT IN THIS TABLE  
CAN BE ADDED UNDER SITE  
SPECIFIC ENGINEERING AND SHALL  
BE APPROVED BY THE AUTHORITY  
HAVING JURISDICTION (AHJ)

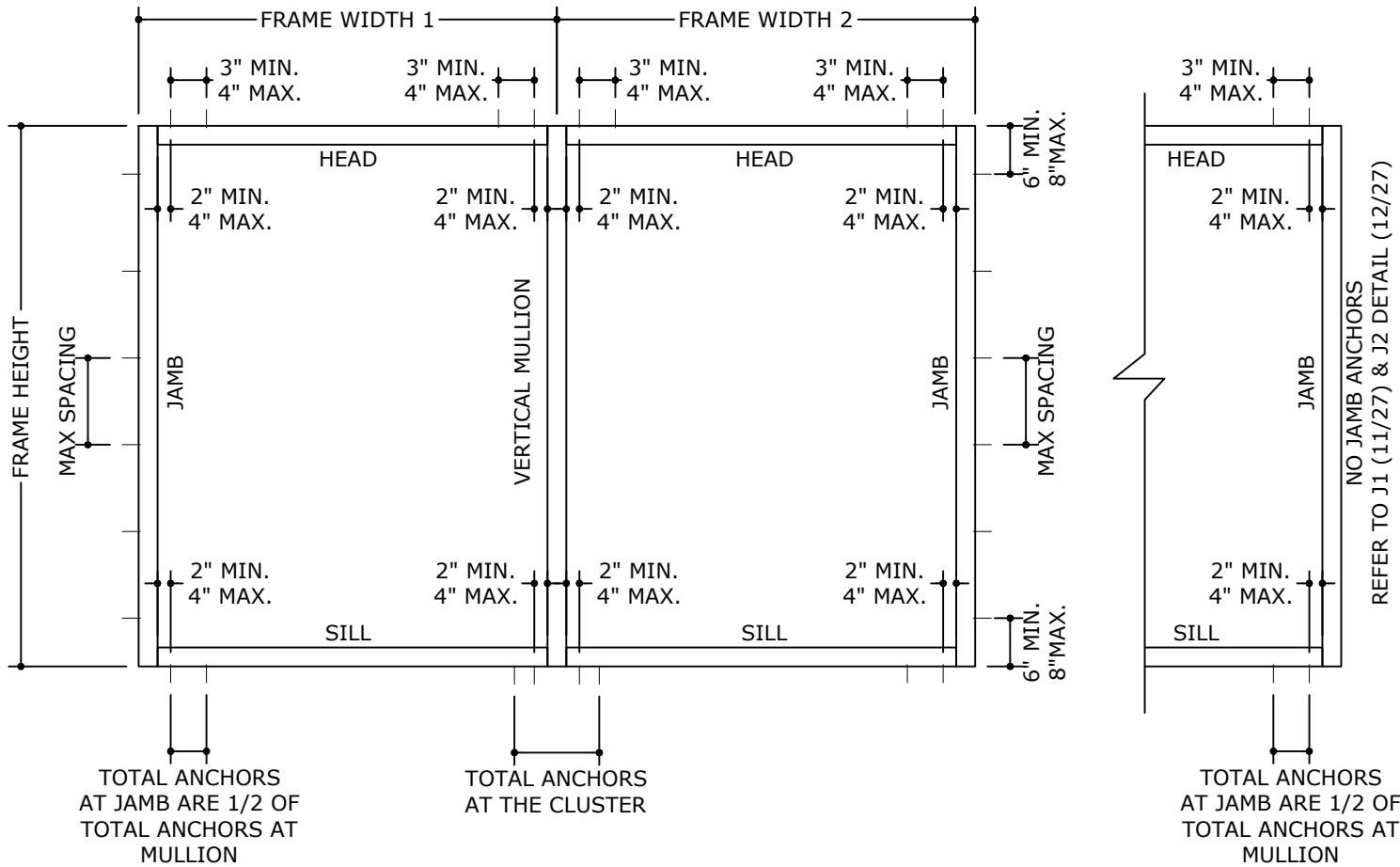


| SINGLE SPAN MULLION<br>LOADING CHART |                     | MULLION TYPE<br><b>M8</b> |           |
|--------------------------------------|---------------------|---------------------------|-----------|
| FRAME<br>HEIGHT (in)                 | FRAME<br>WIDTH (in) | (+) P.S.F                 | (-) P.S.F |
| 120.375                              | 73.25               | 60                        | 60        |
| 146.00                               | 66.00               | 60                        | 60        |

| FRANK BENNARDO, PE<br>PE# 0046549 CA# 9885                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |          | SEPTEMBER 26, 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|------|------|------|------------|----|----|----------|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                          |      |      |          | FL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
| <div style="display: flex; justify-content: space-between;"><div style="width: 60%;"><p style="font-size: 1.5em; font-weight: bold; margin: 0;">ENGINEERING<br/><i>EXPRESS</i></p><p style="margin: 5px 0;">POSTAL ADDRESS:<br/>2234 NORTH FEDERAL HWY #7664<br/>BOCA RATON, FL 33431<br/>ENGINEERINGEXPRESS.COM</p></div><div style="width: 35%; text-align: right;"><p style="font-size: 1.5em; font-weight: bold; margin: 0;">FL 41646.1</p></div></div> |      |      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |          | <p style="font-weight: bold; margin: 0;">OLDCASTLE BUILDING ENVELOPE™</p> <p style="margin: 5px 0;">803 AIRPORT ROAD<br/>TERRELL, TX 75160<br/>(972) 551-6100</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
| <p style="font-weight: bold; margin: 0;">ARMORDEFEND™ PLUS STOREFRONT W/ARMORGARDE™</p> <p style="margin: 5px 0;">&amp; ARMORGARDE™ PLUS - FBC EIGHTH EDITION (2023)</p> <p style="margin: 5px 0;">FLORIDA STATEWIDE APPROVAL (FSA FL# 41646.1)</p>                                                                                                                                                                                                         |      |      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |          | <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;">REMARKS</th><th style="width: 10%;">DRWN</th><th style="width: 10%;">CHKD</th><th style="width: 10%;">DATE</th></tr></thead><tbody><tr><td>INIT ISSUE</td><td>SQ</td><td>RS</td><td>09/08/23</td></tr><tr><td> </td><td>-</td><td>-</td><td>-</td></tr><tr><td> </td><td>-</td><td>-</td><td>-</td></tr><tr><td> </td><td>-</td><td>-</td><td>-</td></tr><tr><td> </td><td>-</td><td>-</td><td>-</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> |  | REMARKS | DRWN | CHKD | DATE | INIT ISSUE | SQ | RS | 09/08/23 |  | - | - | - |  | - | - | - |  | - | - | - |  | - | - | - |  |  |  |  |  |  |  |  |
| REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DRWN | CHKD | DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
| INIT ISSUE                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SQ   | RS   | 09/08/23 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -    | -    | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -    | -    | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -    | -    | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -    | -    | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |
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| SCALE: NTS UNLESS NOTED                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |          | <div style="font-size: 3em; font-weight: bold; margin: 0;">11</div> <div style="text-align: right; font-size: 0.8em; margin-top: 5px;">OF 3</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |         |      |      |      |            |    |    |          |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |  |  |  |  |  |  |  |

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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.            |

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

FL

SEPTEMBER 26, 2023

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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                     |                                        |
|                      |                         | 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                      | 60                                                   | 18"O.C.                                | 60                    | 18"O.C.                                | 60                    | 18"O.C.                                |
|                      | 36                      | 60                                                   | 18"O.C.                                | 60                    | 18"O.C.                                | 60                    | 18"O.C.                                |
|                      | 48                      | 60                                                   | 18"O.C.                                | 60                    | 18"O.C.                                | 60                    | 18"O.C.                                |
|                      | 60                      | 60                                                   | 18"O.C.                                | 60                    | 18"O.C.                                | 60                    | 18"O.C.                                |
|                      | 72                      | 50                                                   | 18"O.C.                                | 60                    | 18"O.C.                                | 60                    | 18"O.C.                                |
|                      | 78                      | 46                                                   | 18"O.C.                                | 60                    | 18"O.C.                                | 60                    | 18"O.C.                                |
| 48                   | 24                      | 60                                                   | 24"O.C.                                | 60                    | 24"O.C.                                | 60                    | 24"O.C.                                |
|                      | 36                      | 60                                                   | 24"O.C.                                | 60                    | 24"O.C.                                | 60                    | 24"O.C.                                |
|                      | 48                      | 56                                                   | 24"O.C.                                | 60                    | 24"O.C.                                | 60                    | 24"O.C.                                |
|                      | 60                      | 45                                                   | 24"O.C.                                | 60                    | 24"O.C.                                | 60                    | 24"O.C.                                |
|                      | 72                      | 37                                                   | 24"O.C.                                | 60                    | 24"O.C.                                | 60                    | 16"O.C.                                |
|                      | 78                      | 34                                                   | 24"O.C.                                | 60                    | 24"O.C.                                | 60                    | 16"O.C.                                |
| 60                   | 24                      | 60                                                   | 30"O.C.                                | 60                    | 30"O.C.                                | 60                    | 30"O.C.                                |
|                      | 36                      | 60                                                   | 30"O.C.                                | 60                    | 30"O.C.                                | 60                    | 30"O.C.                                |
|                      | 48                      | 45                                                   | 30"O.C.                                | 60                    | 30"O.C.                                | 60                    | 30"O.C.                                |
|                      | 60                      | 36                                                   | 30"O.C.                                | 60                    | 30"O.C.                                | 60                    | 20"O.C.                                |
|                      | 72                      | 30                                                   | 30"O.C.                                | 60                    | 30"O.C.                                | 60                    | 20"O.C.                                |
|                      | 78                      | 27                                                   | 30"O.C.                                | 55                    | 30"O.C.                                | 60                    | 20"O.C.                                |
| 72                   | 24                      | 60                                                   | 36"O.C.                                | 60                    | 36"O.C.                                | 60                    | 36"O.C.                                |
|                      | 36                      | 50                                                   | 36"O.C.                                | 60                    | 36"O.C.                                | 60                    | 36"O.C.                                |
|                      | 48                      | 37                                                   | 36"O.C.                                | 60                    | 36"O.C.                                | 60                    | 24"O.C.                                |
|                      | 60                      | 30                                                   | 36"O.C.                                | 60                    | 36"O.C.                                | 60                    | 24"O.C.                                |
|                      | 72                      | 25                                                   | 36"O.C.                                | 50                    | 36"O.C.                                | 60                    | 24"O.C.                                |
|                      | 78                      | 23                                                   | 36"O.C.                                | 46                    | 36"O.C.                                | 60                    | 24"O.C.                                |

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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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                    |                                     |
|                      |                         | 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.                             | 60                    | 66"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             |
|                      | 36                      | 27                                                   | 66"O.C.                             | 54                    | 66"O.C.                             | 60                    | 44"O.C.                             | 60                    | 33"O.C.                             | 60                    | 33"O.C.                             | 60                    | 33"O.C.                             |
|                      | 48                      | 20                                                   | 66"O.C.                             | 40                    | 66"O.C.                             | 60                    | 44"O.C.                             | 60                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 26"O.C.                             |
|                      | 60                      | 16                                                   | 66"O.C.                             | 32                    | 66"O.C.                             | 49                    | 44"O.C.                             | 60                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 22"O.C.                             |
|                      | 72                      | 13                                                   | 66"O.C.                             | 27                    | 66"O.C.                             | 40                    | 44"O.C.                             | 54                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 22"O.C.                             |
|                      | 78                      | 12                                                   | 66"O.C.                             | 25                    | 66"O.C.                             | 37                    | 44"O.C.                             | 50                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 22"O.C.                             |
| 144                  | 24                      | 37                                                   | 72"O.C.                             | 60                    | 72"O.C.                             | 60                    | 48"O.C.                             | 60                    | 48"O.C.                             | 60                    | 48"O.C.                             | 60                    | 48"O.C.                             |
|                      | 36                      | 25                                                   | 72"O.C.                             | 50                    | 72"O.C.                             | 60                    | 48"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 48                      | 18                                                   | 72"O.C.                             | 37                    | 72"O.C.                             | 56                    | 48"O.C.                             | 60                    | 36"O.C.                             | 60                    | 29"O.C.                             | 60                    | 29"O.C.                             |
|                      | 60                      | 15                                                   | 72"O.C.                             | 30                    | 72"O.C.                             | 45                    | 48"O.C.                             | 60                    | 36"O.C.                             | 60                    | 29"O.C.                             | 60                    | 24"O.C.                             |
|                      | 72                      | 12                                                   | 72"O.C.                             | 25                    | 72"O.C.                             | 37                    | 48"O.C.                             | 50                    | 36"O.C.                             | 60                    | 29"O.C.                             | 60                    | 24"O.C.                             |
|                      | 78                      | 11                                                   | 72"O.C.                             | 23                    | 72"O.C.                             | 34                    | 48"O.C.                             | 46                    | 36"O.C.                             | 57                    | 29"O.C.                             | 60                    | 24"O.C.                             |

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

FL

SEPTEMBER 26, 2023

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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<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                      | 60                                                      | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 36                      | 60                                                      | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 48                      | 60                                                      | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 60                      | 60                                                      | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 72                      | 60                                                      | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 78                      | 60                                                      | 18"O.C.                             | 60                    | 18"O.C.                             |
| 48                   | 24                      | 60                                                      | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 36                      | 60                                                      | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 48                      | 60                                                      | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 60                      | 60                                                      | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 72                      | 60                                                      | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 78                      | 60                                                      | 24"O.C.                             | 60                    | 24"O.C.                             |
| 60                   | 24                      | 60                                                      | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 36                      | 60                                                      | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 48                      | 60                                                      | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 60                      | 60                                                      | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 72                      | 60                                                      | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 78                      | 60                                                      | 30"O.C.                             | 60                    | 30"O.C.                             |
| 72                   | 24                      | 60                                                      | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 36                      | 60                                                      | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 48                      | 60                                                      | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 60                      | 60                                                      | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 72                      | 55                                                      | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 78                      | 51                                                      | 36"O.C.                             | 60                    | 36"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<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) |
| 84                   | 24                      | 60                                                      | 42"O.C.                             | 60                    | 42"O.C.                             |
|                      | 36                      | 60                                                      | 42"O.C.                             | 60                    | 42"O.C.                             |
|                      | 48                      | 60                                                      | 42"O.C.                             | 60                    | 42"O.C.                             |
|                      | 60                      | 57                                                      | 42"O.C.                             | 60                    | 42"O.C.                             |
|                      | 72                      | 47                                                      | 42"O.C.                             | 60                    | 42"O.C.                             |
|                      | 78                      | 43                                                      | 42"O.C.                             | 60                    | 42"O.C.                             |
| 96                   | 24                      | 60                                                      | 48"O.C.                             | 60                    | 48"O.C.                             |
|                      | 36                      | 60                                                      | 48"O.C.                             | 60                    | 48"O.C.                             |
|                      | 48                      | 60                                                      | 48"O.C.                             | 60                    | 48"O.C.                             |
|                      | 60                      | 50                                                      | 48"O.C.                             | 60                    | 48"O.C.                             |
|                      | 72                      | 41                                                      | 48"O.C.                             | 60                    | 48"O.C.                             |
|                      | 78                      | 38                                                      | 48"O.C.                             | 60                    | 48"O.C.                             |
| 108                  | 24                      | 60                                                      | 54"O.C.                             | 60                    | 54"O.C.                             |
|                      | 36                      | 60                                                      | 54"O.C.                             | 60                    | 54"O.C.                             |
|                      | 48                      | 55                                                      | 54"O.C.                             | 60                    | 54"O.C.                             |
|                      | 60                      | 44                                                      | 54"O.C.                             | 60                    | 54"O.C.                             |
|                      | 72                      | 37                                                      | 54"O.C.                             | 60                    | 54"O.C.                             |
|                      | 78                      | 34                                                      | 54"O.C.                             | 60                    | 54"O.C.                             |
| 120                  | 24                      | 60                                                      | 60"O.C.                             | 60                    | 60"O.C.                             |
|                      | 36                      | 60                                                      | 60"O.C.                             | 60                    | 60"O.C.                             |
|                      | 48                      | 50                                                      | 60"O.C.                             | 60                    | 60"O.C.                             |
|                      | 60                      | 40                                                      | 60"O.C.                             | 60                    | 60"O.C.                             |
|                      | 72                      | 33                                                      | 60"O.C.                             | 60                    | 60"O.C.                             |
|                      | 78                      | 30                                                      | 60"O.C.                             | 60                    | 60"O.C.                             |

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

SEPTEMBER 26, 2023

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STATE OF FLORIDA  
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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                     |                                     |
|                      |                         | 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                      | 60                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 60                    | 66"O.C.                             |
|                      | 36                      | 60                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 60                    | 66"O.C.                             |
|                      | 48                      | 45                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 60                    | 66"O.C.                             |
|                      | 60                      | 36                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 60                    | 44"O.C.                             |
|                      | 72                      | 30                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 60                    | 44"O.C.                             |
|                      | 78                      | 27                                                   | 66"O.C.                             | 55                    | 66"O.C.                             | 60                    | 44"O.C.                             |
| 144                  | 24                      | 60                                                   | 72"O.C.                             | 60                    | 72"O.C.                             | 60                    | 72"O.C.                             |
|                      | 36                      | 55                                                   | 72"O.C.                             | 60                    | 72"O.C.                             | 60                    | 72"O.C.                             |
|                      | 48                      | 41                                                   | 72"O.C.                             | 60                    | 72"O.C.                             | 60                    | 48"O.C.                             |
|                      | 60                      | 33                                                   | 72"O.C.                             | 60                    | 72"O.C.                             | 60                    | 48"O.C.                             |
|                      | 72                      | 27                                                   | 72"O.C.                             | 55                    | 72"O.C.                             | 60                    | 48"O.C.                             |
|                      | 78                      | 25                                                   | 72"O.C.                             | 51                    | 72"O.C.                             | 60                    | 48"O.C.                             |

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PE# 0046549 CA# 9885

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

| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 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) |
| 36                   | 24                      | 60                                                   | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 36                      | 60                                                   | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 48                      | 56                                                   | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 60                      | 45                                                   | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 18"O.C.                             |
|                      | 72                      | 37                                                   | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 12"O.C.                             | 60                    | 12"O.C.                             |
|                      | 78                      | 34                                                   | 18"O.C.                             | 60                    | 18"O.C.                             | 60                    | 12"O.C.                             | 60                    | 12"O.C.                             |
| 48                   | 24                      | 60                                                   | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 36                      | 56                                                   | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 48                      | 42                                                   | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 16"O.C.                             | 60                    | 16"O.C.                             |
|                      | 60                      | 34                                                   | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 16"O.C.                             | 60                    | 16"O.C.                             |
|                      | 72                      | 28                                                   | 24"O.C.                             | 56                    | 24"O.C.                             | 60                    | 16"O.C.                             | 60                    | 12"O.C.                             |
|                      | 78                      | 26                                                   | 24"O.C.                             | 52                    | 24"O.C.                             | 60                    | 16"O.C.                             | 60                    | 12"O.C.                             |
| 60                   | 24                      | 60                                                   | 30"O.C.                             | 60                    | 30"O.C.                             | 60                    | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 36                      | 45                                                   | 30"O.C.                             | 60                    | 30"O.C.                             | 60                    | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 48                      | 34                                                   | 30"O.C.                             | 60                    | 30"O.C.                             | 60                    | 20"O.C.                             | 60                    | 20"O.C.                             |
|                      | 60                      | 27                                                   | 30"O.C.                             | 54                    | 30"O.C.                             | 60                    | 20"O.C.                             | 60                    | 15"O.C.                             |
|                      | 72                      | 22                                                   | 30"O.C.                             | 45                    | 30"O.C.                             | 60                    | 20"O.C.                             | 60                    | 15"O.C.                             |
|                      | 78                      | 20                                                   | 30"O.C.                             | 41                    | 30"O.C.                             | 60                    | 20"O.C.                             | 60                    | 15"O.C.                             |
| 72                   | 24                      | 56                                                   | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 36                      | 37                                                   | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 48                      | 28                                                   | 36"O.C.                             | 56                    | 36"O.C.                             | 60                    | 24"O.C.                             | 60                    | 18"O.C.                             |
|                      | 60                      | 22                                                   | 36"O.C.                             | 45                    | 36"O.C.                             | 60                    | 24"O.C.                             | 60                    | 18"O.C.                             |
|                      | 72                      | 18                                                   | 36"O.C.                             | 37                    | 36"O.C.                             | 56                    | 24"O.C.                             | 60                    | 18"O.C.                             |
|                      | 78                      | 17                                                   | 36"O.C.                             | 34                    | 36"O.C.                             | 52                    | 24"O.C.                             | 60                    | 18"O.C.                             |

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

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FLORIDA STATEWIDE APPROVAL (FSA FL # 41646.1)

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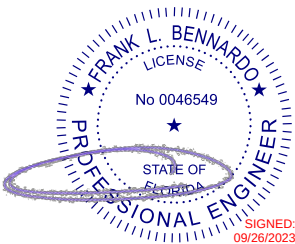
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



FL

SEPTEMBER 26, 2023

| 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) |
| 84                   | 24                      | 48                                                   | 42"O.C.                             | 60                    | 42"O.C.                             | 60                    | 42"O.C.                             | 60                    | 42"O.C.                             | 60                    | 42"O.C.                             | 60                    | 42"O.C.                             |
|                      | 36                      | 32                                                   | 42"O.C.                             | 60                    | 42"O.C.                             | 60                    | 28"O.C.                             | 60                    | 28"O.C.                             | 60                    | 28"O.C.                             | 60                    | 28"O.C.                             |
|                      | 48                      | 24                                                   | 42"O.C.                             | 48                    | 42"O.C.                             | 60                    | 28"O.C.                             | 60                    | 21"O.C.                             | 60                    | 21"O.C.                             | 60                    | 21"O.C.                             |
|                      | 60                      | 19                                                   | 42"O.C.                             | 38                    | 42"O.C.                             | 58                    | 28"O.C.                             | 60                    | 21"O.C.                             | 60                    | 17"O.C.                             | 60                    | 17"O.C.                             |
|                      | 72                      | 16                                                   | 42"O.C.                             | 32                    | 42"O.C.                             | 48                    | 28"O.C.                             | 60                    | 21"O.C.                             | 60                    | 17"O.C.                             | 60                    | 14"O.C.                             |
|                      | 78                      | 14                                                   | 42"O.C.                             | 29                    | 42"O.C.                             | 44                    | 28"O.C.                             | 59                    | 21"O.C.                             | 60                    | 17"O.C.                             | 60                    | 14"O.C.                             |
| 96                   | 24                      | 42                                                   | 48"O.C.                             | 60                    | 48"O.C.                             | 60                    | 32"O.C.                             | 60                    | 32"O.C.                             | 60                    | 32"O.C.                             | 60                    | 32"O.C.                             |
|                      | 36                      | 28                                                   | 48"O.C.                             | 56                    | 48"O.C.                             | 60                    | 32"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             | 60                    | 24"O.C.                             |
|                      | 48                      | 21                                                   | 48"O.C.                             | 42                    | 48"O.C.                             | 60                    | 32"O.C.                             | 60                    | 24"O.C.                             | 60                    | 19"O.C.                             | 60                    | 19"O.C.                             |
|                      | 60                      | 17                                                   | 48"O.C.                             | 34                    | 48"O.C.                             | 51                    | 32"O.C.                             | 60                    | 24"O.C.                             | 60                    | 19"O.C.                             | 60                    | 16"O.C.                             |
|                      | 72                      | 14                                                   | 48"O.C.                             | 28                    | 48"O.C.                             | 42                    | 32"O.C.                             | 56                    | 24"O.C.                             | 60                    | 19"O.C.                             | 60                    | 16"O.C.                             |
|                      | 78                      | 13                                                   | 48"O.C.                             | 26                    | 48"O.C.                             | 39                    | 32"O.C.                             | 52                    | 24"O.C.                             | 60                    | 19"O.C.                             | 60                    | 16"O.C.                             |
| 108                  | 24                      | 37                                                   | 54"O.C.                             | 60                    | 54"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 36                      | 25                                                   | 54"O.C.                             | 50                    | 54"O.C.                             | 60                    | 36"O.C.                             | 60                    | 27"O.C.                             | 60                    | 27"O.C.                             | 60                    | 27"O.C.                             |
|                      | 48                      | 18                                                   | 54"O.C.                             | 37                    | 54"O.C.                             | 56                    | 36"O.C.                             | 60                    | 27"O.C.                             | 60                    | 22"O.C.                             | 60                    | 22"O.C.                             |
|                      | 60                      | 15                                                   | 54"O.C.                             | 30                    | 54"O.C.                             | 45                    | 36"O.C.                             | 60                    | 27"O.C.                             | 60                    | 22"O.C.                             | 60                    | 18"O.C.                             |
|                      | 72                      | 12                                                   | 54"O.C.                             | 25                    | 54"O.C.                             | 37                    | 36"O.C.                             | 50                    | 27"O.C.                             | 60                    | 22"O.C.                             | 60                    | 18"O.C.                             |
|                      | 78                      | 11                                                   | 54"O.C.                             | 23                    | 54"O.C.                             | 34                    | 36"O.C.                             | 46                    | 27"O.C.                             | 58                    | 22"O.C.                             | 60                    | 18"O.C.                             |
| 120                  | 24                      | 34                                                   | 60"O.C.                             | 60                    | 60"O.C.                             | 60                    | 40"O.C.                             | 60                    | 40"O.C.                             | 60                    | 40"O.C.                             | 60                    | 40"O.C.                             |
|                      | 36                      | 22                                                   | 60"O.C.                             | 45                    | 60"O.C.                             | 60                    | 40"O.C.                             | 60                    | 30"O.C.                             | 60                    | 30"O.C.                             | 60                    | 30"O.C.                             |
|                      | 48                      | 17                                                   | 60"O.C.                             | 34                    | 60"O.C.                             | 51                    | 40"O.C.                             | 60                    | 30"O.C.                             | 60                    | 24"O.C.                             | 60                    | 20"O.C.                             |
|                      | 60                      | 13                                                   | 60"O.C.                             | 27                    | 60"O.C.                             | 40                    | 40"O.C.                             | 54                    | 30"O.C.                             | 60                    | 24"O.C.                             | 60                    | 20"O.C.                             |
|                      | 72                      | 11                                                   | 60"O.C.                             | 22                    | 60"O.C.                             | 34                    | 40"O.C.                             | 45                    | 30"O.C.                             | 56                    | 24"O.C.                             | 60                    | 20"O.C.                             |
|                      | 78                      | 10                                                   | 60"O.C.                             | 20                    | 60"O.C.                             | 31                    | 40"O.C.                             | 41                    | 30"O.C.                             | 52                    | 24"O.C.                             | 60                    | 20"O.C.                             |

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

| 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) |
| 132                  | 24                      | 30                                                   | 66"O.C.                             | 60                    | 66"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             | 60                    | 44"O.C.                             |
|                      | 36                      | 20                                                   | 66"O.C.                             | 41                    | 66"O.C.                             | 60                    | 44"O.C.                             | 60                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 26"O.C.                             | 60                    | 26"O.C.                             |
|                      | 48                      | 15                                                   | 66"O.C.                             | 30                    | 66"O.C.                             | 46                    | 44"O.C.                             | 60                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 22"O.C.                             | 60                    | 22"O.C.                             |
|                      | 60                      | 12                                                   | 66"O.C.                             | 24                    | 66"O.C.                             | 37                    | 44"O.C.                             | 49                    | 33"O.C.                             | 60                    | 26"O.C.                             | 60                    | 22"O.C.                             | 60                    | 17"O.C.                             |
|                      | 72                      | 10                                                   | 66"O.C.                             | 20                    | 66"O.C.                             | 30                    | 44"O.C.                             | 41                    | 33"O.C.                             | 51                    | 26"O.C.                             | 60                    | 22"O.C.                             | 60                    | 17"O.C.                             |
|                      | 78                      | 9                                                    | 66"O.C.                             | 19                    | 66"O.C.                             | 28                    | 44"O.C.                             | 38                    | 33"O.C.                             | 47                    | 26"O.C.                             | 57                    | 22"O.C.                             | 60                    | 17"O.C.                             |
| 144                  | 24                      | 28                                                   | 72"O.C.                             | 56                    | 72"O.C.                             | 60                    | 48"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             | 60                    | 36"O.C.                             |
|                      | 36                      | 18                                                   | 72"O.C.                             | 37                    | 72"O.C.                             | 56                    | 48"O.C.                             | 60                    | 36"O.C.                             | 60                    | 29"O.C.                             | 60                    | 29"O.C.                             | 60                    | 29"O.C.                             |
|                      | 48                      | 14                                                   | 72"O.C.                             | 28                    | 72"O.C.                             | 42                    | 48"O.C.                             | 56                    | 36"O.C.                             | 60                    | 29"O.C.                             | 60                    | 24"O.C.                             | 60                    | 21"O.C.                             |
|                      | 60                      | 11                                                   | 72"O.C.                             | 22                    | 72"O.C.                             | 34                    | 48"O.C.                             | 45                    | 36"O.C.                             | 56                    | 29"O.C.                             | 60                    | 24"O.C.                             | 60                    | 18"O.C.                             |
|                      | 72                      | 9                                                    | 72"O.C.                             | 18                    | 72"O.C.                             | 28                    | 48"O.C.                             | 37                    | 36"O.C.                             | 47                    | 29"O.C.                             | 56                    | 24"O.C.                             | 60                    | 18"O.C.                             |
|                      | 78                      | 8                                                    | 72"O.C.                             | 17                    | 72"O.C.                             | 26                    | 48"O.C.                             | 34                    | 36"O.C.                             | 43                    | 29"O.C.                             | 52                    | 24"O.C.                             | 60                    | 18"O.C.                             |

FRANK BENNARD, PE  
PE# 0046549 CA# 9885

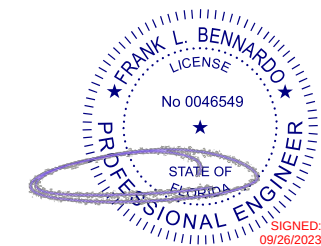
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& ARMORGARDE™ PLUS - FBC EIGHTH EDITION (2023)**

| FRAME HEIGHT<br>(IN) | TRIBUTARY WIDTH<br>(IN) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE D |                                     |                       |                                     |                       |                                     |                       |                                     |
|----------------------|-------------------------|------------------------------------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|
|                      |                         | 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) |
| 36                   | 24                      | 60                                                   | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 18" O.C.                            |
|                      | 36                      | 60                                                   | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 18" O.C.                            |
|                      | 48                      | 51                                                   | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 18" O.C.                            |
|                      | 60                      | 41                                                   | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 12" O.C.                            | 60                    | 12" O.C.                            |
|                      | 72                      | 34                                                   | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 12" O.C.                            | 60                    | 12" O.C.                            |
|                      | 78                      | 31                                                   | 18" O.C.                            | 60                    | 18" O.C.                            | 60                    | 12" O.C.                            | 60                    | 12" O.C.                            |
| 48                   | 24                      | 60                                                   | 24" O.C.                            | 60                    | 24" O.C.                            | 60                    | 24" O.C.                            | 60                    | 24" O.C.                            |
|                      | 36                      | 51                                                   | 24" O.C.                            | 60                    | 24" O.C.                            | 60                    | 24" O.C.                            | 60                    | 24" O.C.                            |
|                      | 48                      | 38                                                   | 24" O.C.                            | 60                    | 24" O.C.                            | 60                    | 16" O.C.                            | 60                    | 16" O.C.                            |
|                      | 60                      | 31                                                   | 24" O.C.                            | 60                    | 24" O.C.                            | 60                    | 16" O.C.                            | 60                    | 16" O.C.                            |
|                      | 72                      | 25                                                   | 24" O.C.                            | 51                    | 24" O.C.                            | 60                    | 16" O.C.                            | 60                    | 12" O.C.                            |
|                      | 78                      | 23                                                   | 24" O.C.                            | 47                    | 24" O.C.                            | 60                    | 16" O.C.                            | 60                    | 12" O.C.                            |
| 60                   | 24                      | 60                                                   | 30" O.C.                            | 60                    | 30" O.C.                            | 60                    | 30" O.C.                            | 60                    | 30" O.C.                            |
|                      | 36                      | 41                                                   | 30" O.C.                            | 60                    | 30" O.C.                            | 60                    | 20" O.C.                            | 60                    | 20" O.C.                            |
|                      | 48                      | 31                                                   | 30" O.C.                            | 60                    | 30" O.C.                            | 60                    | 20" O.C.                            | 60                    | 20" O.C.                            |
|                      | 60                      | 24                                                   | 30" O.C.                            | 49                    | 30" O.C.                            | 60                    | 20" O.C.                            | 60                    | 15" O.C.                            |
|                      | 72                      | 20                                                   | 30" O.C.                            | 41                    | 30" O.C.                            | 60                    | 20" O.C.                            | 60                    | 15" O.C.                            |
|                      | 78                      | 19                                                   | 30" O.C.                            | 38                    | 30" O.C.                            | 57                    | 20" O.C.                            | 60                    | 15" O.C.                            |
| 72                   | 24                      | 51                                                   | 36" O.C.                            | 60                    | 36" O.C.                            | 60                    | 36" O.C.                            | 60                    | 36" O.C.                            |
|                      | 36                      | 34                                                   | 36" O.C.                            | 60                    | 36" O.C.                            | 60                    | 24" O.C.                            | 60                    | 24" O.C.                            |
|                      | 48                      | 25                                                   | 36" O.C.                            | 51                    | 36" O.C.                            | 60                    | 24" O.C.                            | 60                    | 18" O.C.                            |
|                      | 60                      | 20                                                   | 36" O.C.                            | 41                    | 36" O.C.                            | 60                    | 24" O.C.                            | 60                    | 18" O.C.                            |
|                      | 72                      | 17                                                   | 36" O.C.                            | 34                    | 36" O.C.                            | 51                    | 24" O.C.                            | 60                    | 18" O.C.                            |
|                      | 78                      | 15                                                   | 36" O.C.                            | 31                    | 36" O.C.                            | 47                    | 24" O.C.                            | 60                    | 18" O.C.                            |

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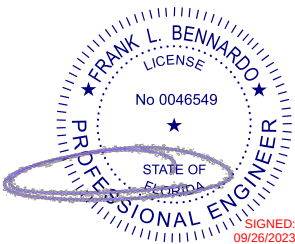
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS  
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE D

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885



FL

SEPTEMBER 26, 2023

| 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.                            | 60                    | 44" O.C.                            | 60                    | 33" O.C.                            | 60                    | 33" O.C.                            | 60                    | 33" O.C.                            | 60                    | 33" O.C.                            |
|                      | 36                      | 18                                                   | 66" O.C.                            | 37                    | 66" O.C.                            | 56                    | 44" O.C.                            | 60                    | 33" O.C.                            | 60                    | 26" O.C.                            | 60                    | 26" O.C.                            | 60                    | 26" O.C.                            |
|                      | 48                      | 14                                                   | 66" O.C.                            | 28                    | 66" O.C.                            | 42                    | 44" O.C.                            | 56                    | 33" O.C.                            | 60                    | 26" O.C.                            | 60                    | 22" O.C.                            | 60                    | 19" O.C.                            |
|                      | 60                      | 11                                                   | 66" O.C.                            | 22                    | 66" O.C.                            | 33                    | 44" O.C.                            | 45                    | 33" O.C.                            | 56                    | 26" O.C.                            | 60                    | 22" O.C.                            | 60                    | 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.                            | 60                    | 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.                            | 60                    | 17" O.C.                            |
| 144                  | 24                      | 25                                                   | 72" O.C.                            | 51                    | 72" O.C.                            | 60                    | 48" O.C.                            | 60                    | 36" O.C.                            | 60                    | 36" O.C.                            | 60                    | 36" O.C.                            | 60                    | 36" O.C.                            |
|                      | 36                      | 17                                                   | 72" O.C.                            | 34                    | 72" O.C.                            | 51                    | 48" O.C.                            | 60                    | 36" O.C.                            | 60                    | 29" O.C.                            | 60                    | 24" O.C.                            | 60                    | 24" O.C.                            |
|                      | 48                      | 12                                                   | 72" O.C.                            | 25                    | 72" O.C.                            | 38                    | 48" O.C.                            | 51                    | 36" O.C.                            | 60                    | 29" O.C.                            | 60                    | 24" O.C.                            | 60                    | 21" O.C.                            |
|                      | 60                      | 10                                                   | 72" O.C.                            | 20                    | 72" O.C.                            | 31                    | 48" O.C.                            | 41                    | 36" O.C.                            | 51                    | 29" O.C.                            | 60                    | 24" O.C.                            | 60                    | 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.                            | 60                    | 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.                            | 60                    | 18" O.C.                            |

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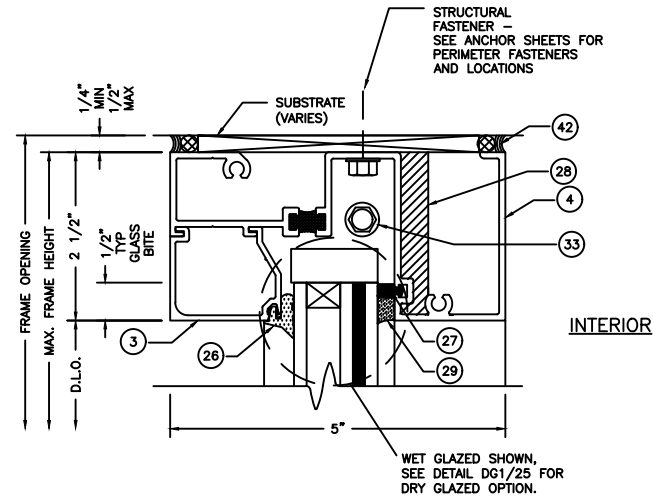
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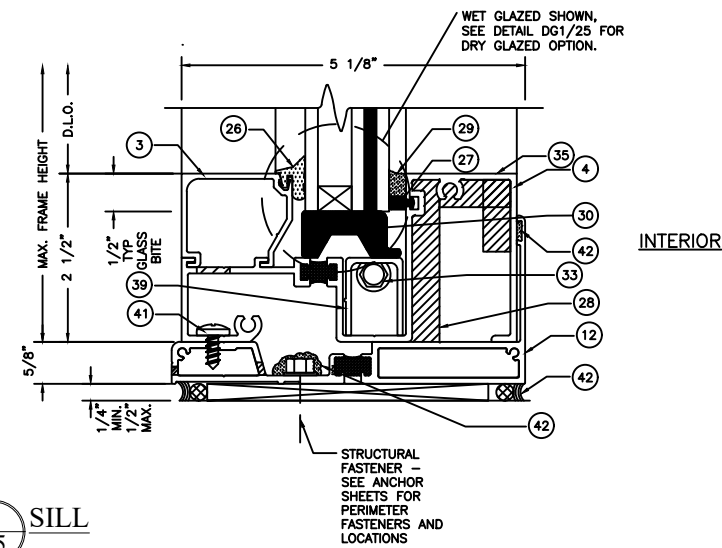
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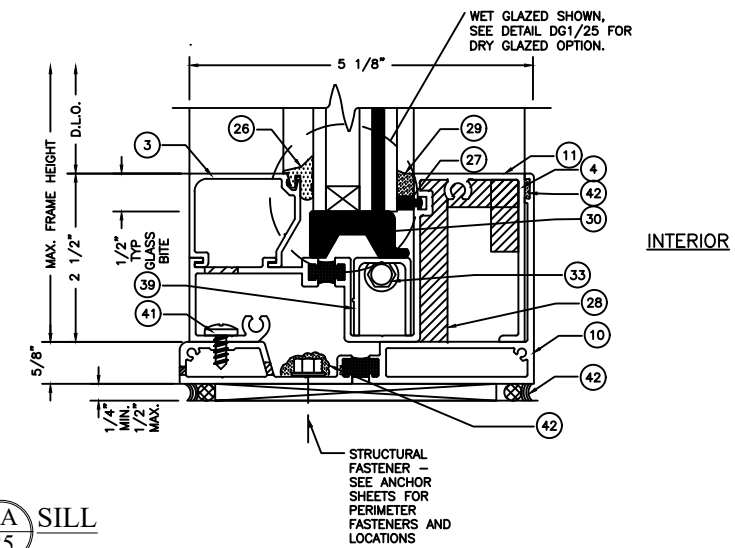
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INVERTED HEAD



3  
25 SILL



3A SILL



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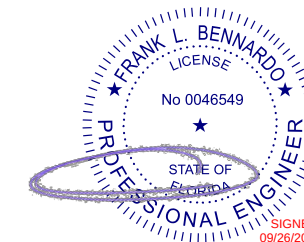
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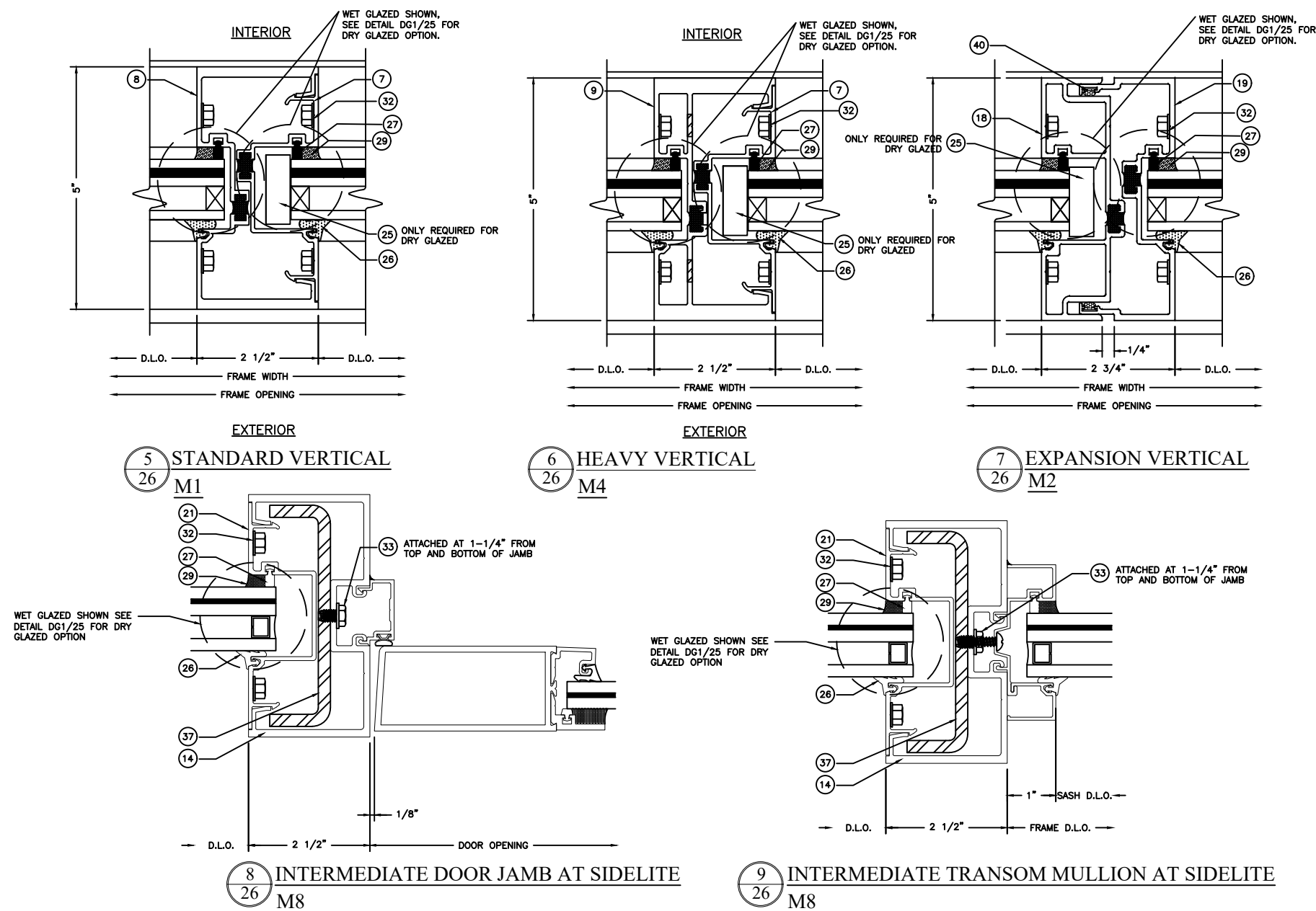
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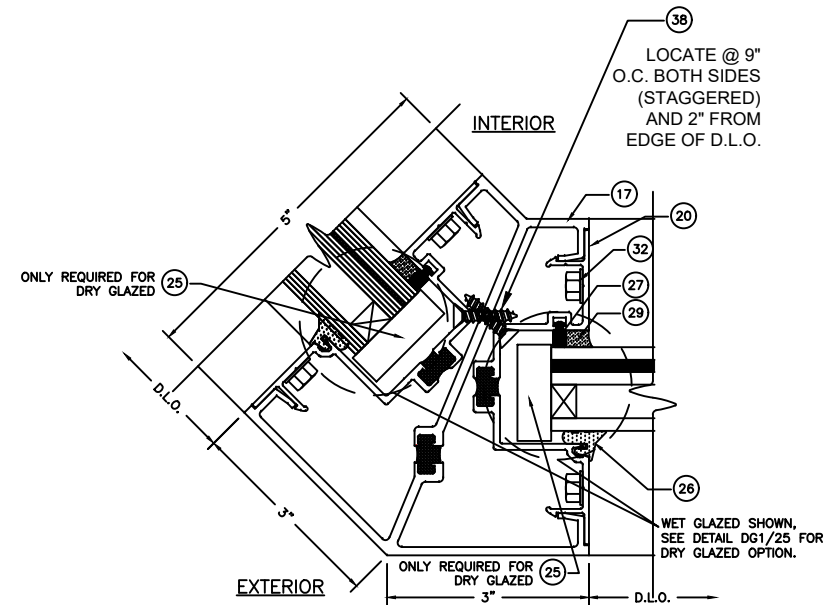
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26 OF 33



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

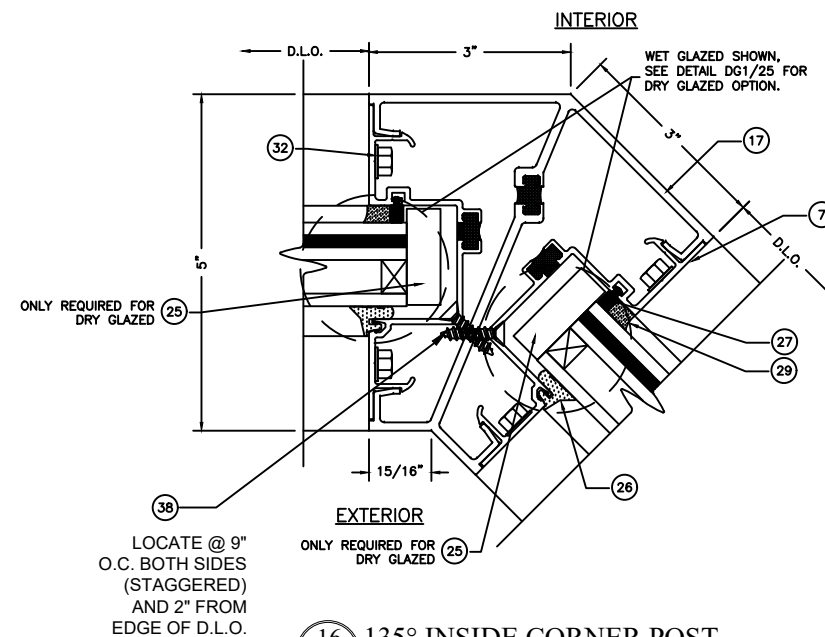




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135° CORNER POST  
M6



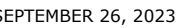
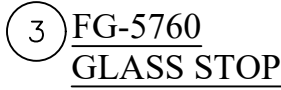
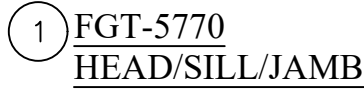
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28 M6

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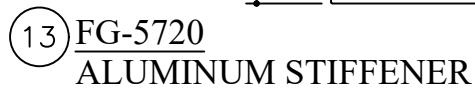
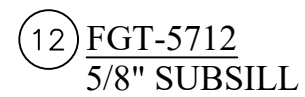
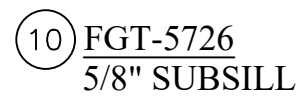
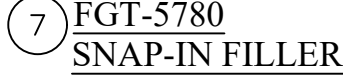
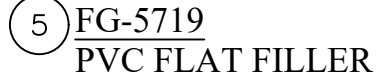
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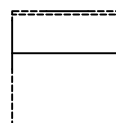
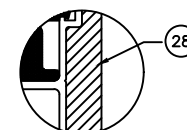
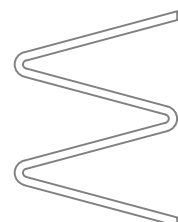
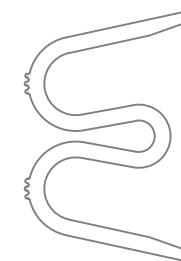
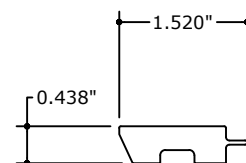
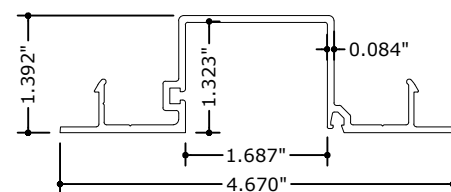
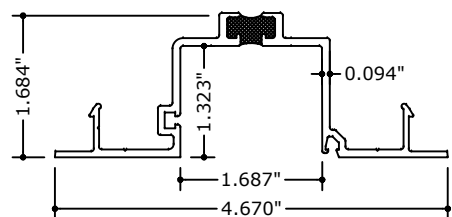
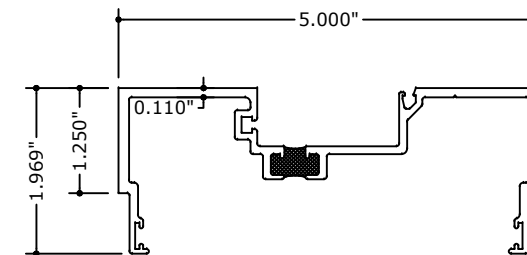
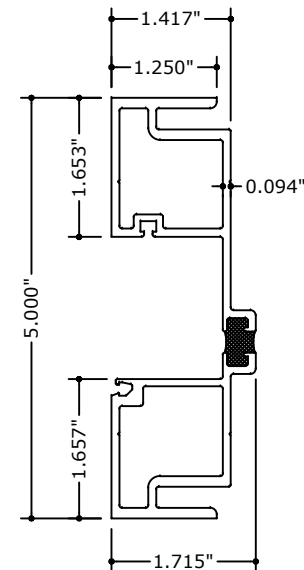
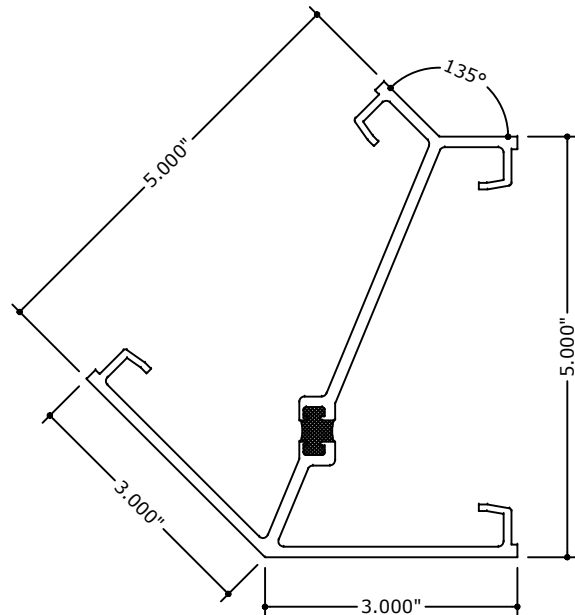
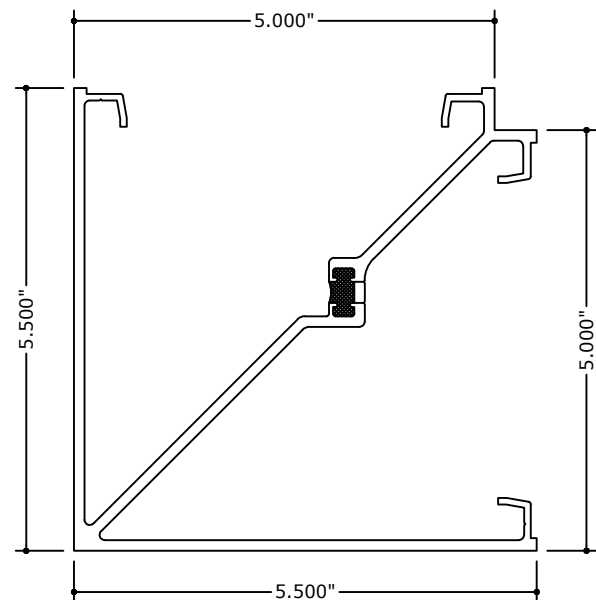
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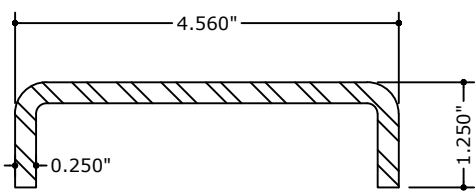
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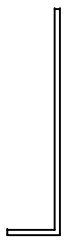
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34 FG-5732  
DRY GLAZE GASKET



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



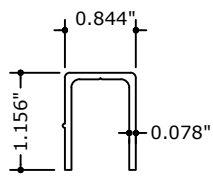
35 AN-101-01  
SILL END DAM  
FOR USE WITH FGT-5712



38 FS-58  
CORNER ASSEMBLY FASTENER



36 FS-23  
SILL END DAM  
FASTENER



39 FG-5721-01  
SETTING CHAIR

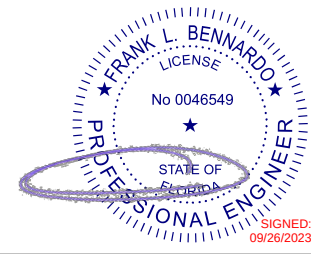


40 CW-998  
EXPANSION  
MULL GASKET



41 FS-27  
FASTENER

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SEPTEMBER 26, 2023

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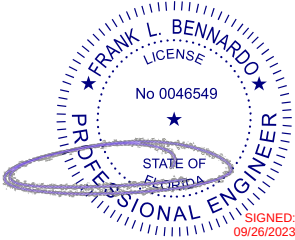
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| BILL OF MATERIALS |             |                            |                                       |                          |                                                             |
|-------------------|-------------|----------------------------|---------------------------------------|--------------------------|-------------------------------------------------------------|
| ITEM NO.          | P/N         | DESCRIPTION                | DIMENSIONS                            | MATERIAL                 | NOTES                                                       |
| ACCESSORY PARTS   |             |                            |                                       |                          |                                                             |
| 23                | GP-188      | SETTING BLOCK              | 1.520 x 0.438                         | EPDM                     | 2 PER LITE                                                  |
| 24                | GP-162      | W-SIDE BLOCK               | 3.000 x 2.000                         | EPDM                     |                                                             |
| 25                | GP-150      | W-SIDE BLOCK               | 1.932 x 2.574                         | EPDM                     |                                                             |
| 26                | FG-5730     | EXTERIOR GLAZING GASKET    | 0.120 SPACE                           | EPDM                     |                                                             |
| 27                | FG-5731     | SPACER GASKET              | 0.250 SPACE                           | SILICONE                 |                                                             |
| 28                | SM5601      | JOINT SEALANT TAPE         | 0.500 x 0.125 x VARIES                | POLYISOBUTYLENE          |                                                             |
| 29                | DOWSIL 995  | STRUCTURAL SEALANT         | --                                    | SILICONE                 | FOR WET GLAZING AND FRAME ASSEMBLY                          |
| 30                | FG-5745     | SETTING BLOCK              | 0.7560 x 1.530 x 4                    | EPDM                     | 2 PER LITE                                                  |
| 31                | FG-5790-02  | WATER DIVERTER             | 1.38" x 1.38" x 0.062" x 1.344" LONG  | INJECTION MOLDED PLASTIC | AT EACH END OF INTERMEDIATE HORIZONTALS                     |
| 32                | FS-8        | FASTENER                   | #14 x 1" HHSTS                        | STEEL                    | SCREW SPLINE FASTENERS                                      |
| 33                | FS-354      | FASTENER                   | #1/4-20 x 3/8" HEXHEAD TYPE F         | STEEL                    | REINFORCEMENT SCREW, 1-1/4" FROM EACH END                   |
| 34                | FG-5732     | DRY GLAZE GASKET           | 0.250 SPACE                           | EPDM                     |                                                             |
| 35                | AN-101-01   | SILL FLASHING END DAM      | 2.688 x 0.625 x 0.063 x 5.125         | 6063-T6 ALUMINUM         |                                                             |
| 36                | FS-23       | FASTENER                   | #6 x 3/8" PPH                         | STEEL                    | ATTACH END DAM TO SUBSILL                                   |
| 37                | FG5000-PP-8 | STEEL REINF. AT DOOR JAMB  | 4.560 x 1.250 x 0.250                 | STEEL                    | USED AT DOOR JAMBS                                          |
| 38                | FS-58       | FASTENER                   | #10 x 1" PHILLIPS FLAT HEAD           | STAINLESS STEEL          | USED AT CORNERS                                             |
| 39                | FG-5721-01  | SETTING CHAIR              | 0.824" x 1.158 x 0.078" x 4.000" LONG | 6063-T6 ALUMINUM         | 2 PER LITE, 4" LONG                                         |
| 40                | CW-998      | BULB GASKET                | 0.270" x 0.250"                       | EPDM                     |                                                             |
| 41                | FS-27       | FASTENER (SILL-TO-SUBSILL) | #12 x 1/2" PPH SMS A pt               | STEEL                    | (2) FASTENERS PER SIDE (2" & 4" FROM MULLION & 2 PER SIDE). |
| 42                | DOWSIL 795  | PERIMETER SEALANT          | --                                    | SILICONE                 |                                                             |

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