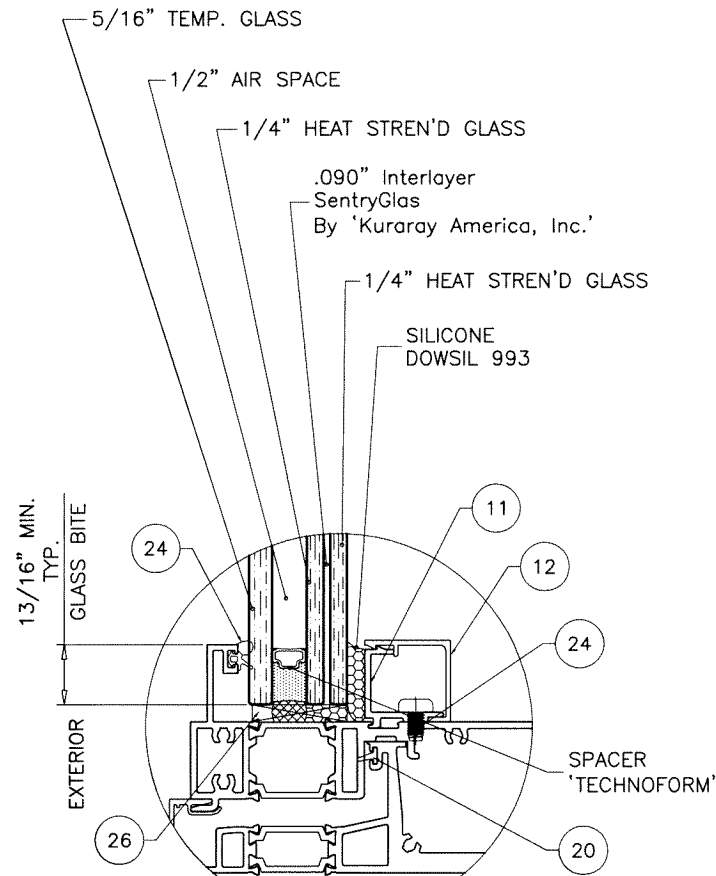
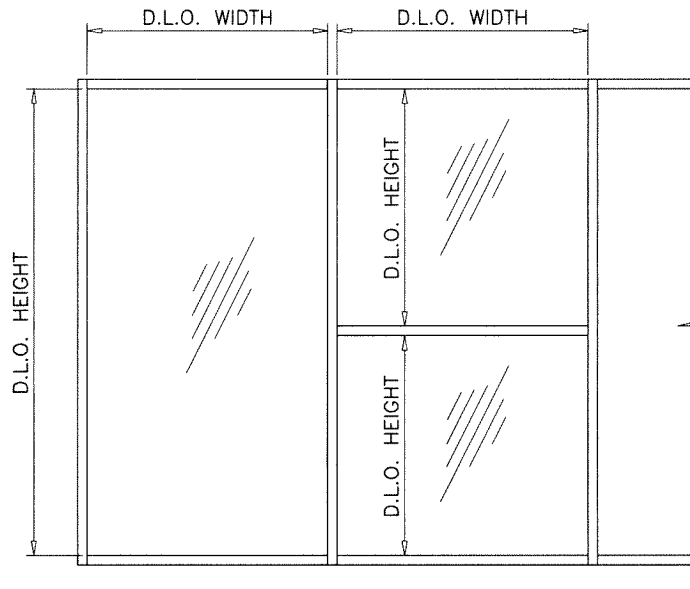




| GLASS DESIGN LOAD CAPACITY - PSF |               |                   |         |
|----------------------------------|---------------|-------------------|---------|
| NOMINAL DIMS.                    |               | INSUL. LAM. GLASS |         |
| D.L.O. WIDTH                     | D.L.O. HEIGHT | EXT.(+)           | INT.(-) |
| 43-3/8"                          | 105-1/2"      | 110.0             | 110.0   |
| 49-3/8"                          |               | 110.0             | 110.0   |
| 55-3/8"                          |               | 110.0             | 110.0   |
| 59-3/8"                          |               | 110.0             | 110.0   |
| 67-3/8"                          |               | 97.8              | 97.8    |
| 73-3/8"                          |               | 90.3              | 90.3    |
| 79-3/8"                          |               | 83.8              | 83.8    |
| 43-3/8"                          | 111-1/2"      | 110.0             | 110.0   |
| 49-3/8"                          |               | 110.0             | 110.0   |
| 55-3/8"                          |               | 110.0             | 110.0   |
| 59-3/8"                          |               | 110.0             | 110.0   |
| 67-3/8"                          |               | 97.8              | 97.8    |
| 73-3/8"                          |               | 90.3              | 90.3    |
| 43-3/8"                          | 123-1/2"      | 110.0             | 110.0   |
| 49-3/8"                          |               | 110.0             | 110.0   |
| 55-3/8"                          |               | 110.0             | 110.0   |
| 59-3/8"                          |               | 110.0             | 110.0   |
| 67-3/8"                          |               | 97.8              | 97.8    |
| 43-3/8"                          | 141-1/2"      | 110.0             | 110.0   |
| 49-3/8"                          |               | 110.0             | 110.0   |
| 55-3/8"                          |               | 110.0             | 110.0   |
| 59-3/8"                          |               | 110.0             | 110.0   |

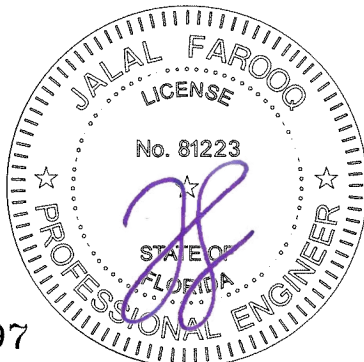
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



GLAZING DETAIL  
1-3/8" OVERALL NOMINAL GLASS

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

Sealed: 10/24/2024



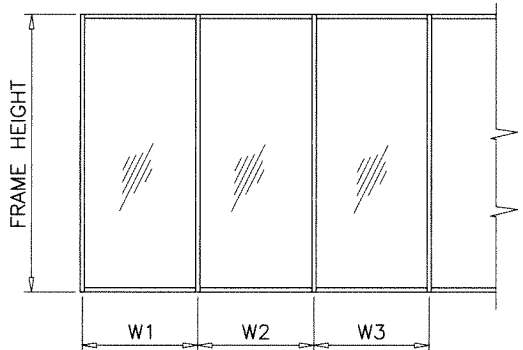
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
WWW.AFCENG.COM  
FBPE #3538

SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)  
**REFLECTION WINDOW + WALL**  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377 www.reflectionwindow.com

| revisions:  |          | no date by description |           |
|-------------|----------|------------------------|-----------|
| date:       | 09-12-24 | scale:                 | 3/8" = 1" |
| dr. by:     | TARIQ    | chk. by:               |           |
| drawing no. | 24-58F   | sheet                  | 2 of 11   |

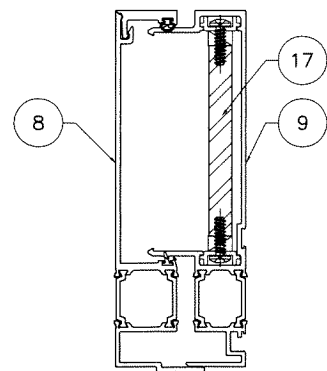
| MULLION DESIGN LOAD CAPACITY – PSF<br>WITHOUT INTERMEDIATE HORIZONTALS |                             |              |         |              |         |                          |         |                          |         |
|------------------------------------------------------------------------|-----------------------------|--------------|---------|--------------|---------|--------------------------|---------|--------------------------|---------|
| NOMINAL DIMS.                                                          |                             | JAMB<br>'J1' |         | JAMB<br>'J2' |         | MULLION<br>'MF1' & 'ZM1' |         | MULLION<br>'MF2' & 'ZM2' |         |
| WIDTH (W)                                                              | FRAME HEIGHT<br>MULL LENGTH | EXT.(+)      | INT.(-) | EXT.(+)      | INT.(-) | EXT.(+)                  | INT.(-) | EXT.(+)                  | INT.(-) |
| 48"                                                                    | 114"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 60"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 64"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 72"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 78"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 84"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 107.5                    | 107.5   | 110.0                    | 110.0   |
| 48"                                                                    | 120"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 60"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 64"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 72"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 105.2                    | 105.2   | 110.0                    | 110.0   |
| 78"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 99.5                     | 99.5    | 110.0                    | 110.0   |
| 84"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 99.5                     | 99.5    | 110.0                    | 110.0   |
| 48"                                                                    | 126"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 60"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 109.0                    | 109.0   | 110.0                    | 110.0   |
| 64"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 103.3                    | 103.3   | 110.0                    | 110.0   |
| 72"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 94.2                     | 94.2    | 110.0                    | 110.0   |
| 48"                                                                    | 132"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 108.1                    | 108.1   | 110.0                    | 110.0   |
| 60"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 98.6                     | 98.6    | 110.0                    | 110.0   |
| 64"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 93.4                     | 93.4    | 110.0                    | 110.0   |
| 72"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 84.9                     | 84.9    | 110.0                    | 110.0   |
| 48"                                                                    | 138"                        | 110.0        | 110.0   | 110.0        | 110.0   | 109.5                    | 109.5   | 110.0                    | 110.0   |
| 54"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 98.4                     | 98.4    | 110.0                    | 110.0   |
| 60"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 89.7                     | 89.7    | 110.0                    | 110.0   |
| 64"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 84.8                     | 84.8    | 110.0                    | 110.0   |
| 48"                                                                    | 144"                        | 110.0        | 110.0   | 110.0        | 110.0   | 98.7                     | 98.7    | 110.0                    | 110.0   |
| 54"                                                                    |                             | 110.0        | 110.0   | 110.0        | 110.0   | 88.8                     | 88.8    | 110.0                    | 110.0   |
| 60"                                                                    |                             | 105.4        | 105.4   | 110.0        | 110.0   | 81.0                     | 81.0    | 106.6                    | 106.6   |
| 64"                                                                    |                             | 99.8         | 99.8    | 110.0        | 110.0   | 76.7                     | 76.7    | 100.9                    | 100.9   |
| 48"                                                                    | 150"                        | 110.0        | 110.0   | 110.0        | 110.0   | 87.0                     | 87.0    | 110.0                    | 110.0   |
| 54"                                                                    |                             | 101.7        | 101.7   | 110.0        | 110.0   | 78.2                     | 78.2    | 102.9                    | 102.9   |
| 60"                                                                    |                             | 92.7         | 92.7    | 110.0        | 110.0   | 71.3                     | 71.3    | 93.8                     | 93.8    |
| 64"                                                                    |                             | 87.7         | 87.7    | 109.0        | 109.0   | 67.4                     | 67.4    | 88.7                     | 88.7    |

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



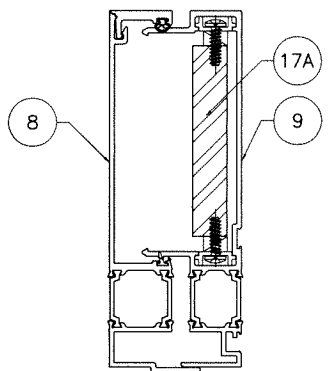
WIDTH (W) = W1  
AT JAMB

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



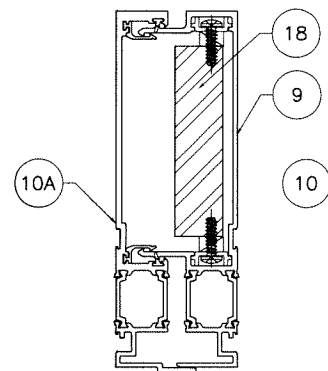
JAMB 'J1'

|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.320   | 2.489   |
| STEEL                  | 2.400   | 1.219   |
| TOTAL                  | 14.210  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |



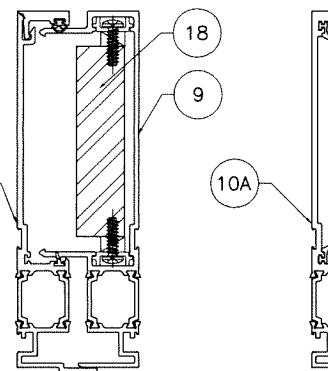
JAMB 'J2'

|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.320   | 2.489   |
| STEEL                  | 3.600   | 1.829   |
| TOTAL                  | 17.656  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |

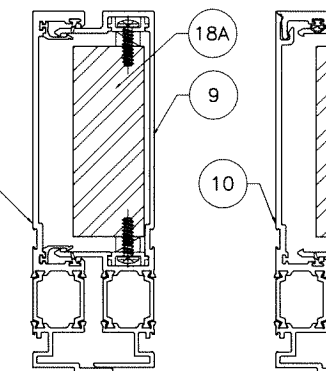


MULLION 'MF1'

|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.479   | 2.551   |
| STEEL                  | 5.004   | 2.542   |
| TOTAL                  | 21.845  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |

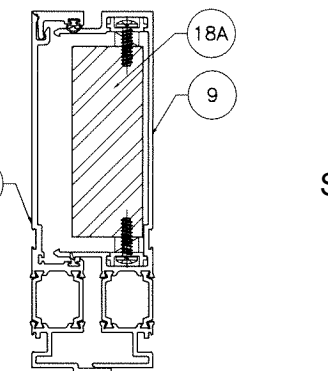


MULLION 'ZM1'



MULLION 'MF2'

|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.479   | 2.551   |
| STEEL                  | 7.404   | 3.761   |
| TOTAL                  | 28.736  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |



MULLION 'ZM2'

Sealed: 10/24/2024



FL #47097

afcc

AL-FAROOQ CORPORATION  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
WWW.AFCENG.COM  
FBPE #3538

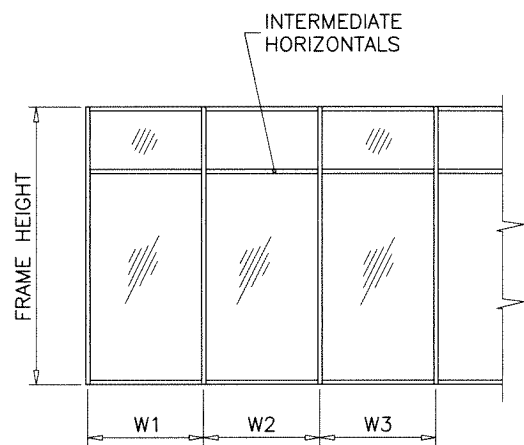
SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)

REFLECTION WINDOW + WALL  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377 www.reflectionwindow.com

|            |      |    |             |
|------------|------|----|-------------|
| revisions: |      |    |             |
| no         | date | by | description |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |
|            |      |    |             |

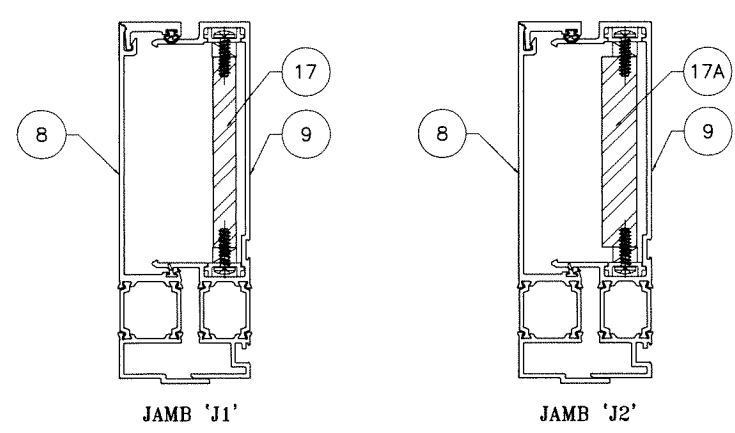
| MULLION DESIGN LOAD CAPACITY – PSF<br>WITH INTERMEDIATE HORIZONTALS |                             |              |         |              |         |                          |         |                          |         |
|---------------------------------------------------------------------|-----------------------------|--------------|---------|--------------|---------|--------------------------|---------|--------------------------|---------|
| NOMINAL DIMS.                                                       |                             | JAMB<br>'J1' |         | JAMB<br>'J2' |         | MULLION<br>'MF1' & 'ZM1' |         | MULLION<br>'MF2' & 'ZM2' |         |
| WIDTH (W)                                                           | FRAME HEIGHT<br>MULL LENGTH | EXT.(+)      | INT.(–) | EXT.(+)      | INT.(–) | EXT.(+)                  | INT.(–) | EXT.(+)                  | INT.(–) |
| 48"                                                                 | 114"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 60"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 64"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 48"                                                                 | 120"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 60"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 64"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 104.4                    | 104.4   | 110.0                    | 110.0   |
| 48"                                                                 | 126"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 60"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 101.0                    | 101.0   | 110.0                    | 110.0   |
| 64"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 94.7                     | 94.7    | 110.0                    | 110.0   |
| 48"                                                                 | 132"                        | 110.0        | 110.0   | 110.0        | 110.0   | 110.0                    | 110.0   | 110.0                    | 110.0   |
| 54"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 102.2                    | 102.2   | 110.0                    | 110.0   |
| 60"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 92.0                     | 92.0    | 110.0                    | 110.0   |
| 64"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 86.2                     | 86.2    | 110.0                    | 110.0   |
| 48"                                                                 | 138"                        | 110.0        | 110.0   | 110.0        | 110.0   | 105.2                    | 105.2   | 110.0                    | 110.0   |
| 54"                                                                 |                             | 110.0        | 110.0   | 110.0        | 110.0   | 93.5                     | 93.5    | 110.0                    | 110.0   |
| 60"                                                                 |                             | 109.5        | 109.5   | 110.0        | 110.0   | 84.2                     | 84.2    | 110.0                    | 110.0   |
| 64"                                                                 |                             | 102.6        | 102.6   | 110.0        | 110.0   | 78.9                     | 78.9    | 103.8                    | 103.8   |
| 48"                                                                 | 144"                        | 110.0        | 110.0   | 110.0        | 110.0   | 94.6                     | 94.6    | 110.0                    | 110.0   |
| 54"                                                                 |                             | 109.4        | 109.4   | 110.0        | 110.0   | 84.1                     | 84.1    | 110.0                    | 110.0   |
| 60"                                                                 |                             | 98.4         | 98.4    | 110.0        | 110.0   | 75.7                     | 75.7    | 99.5                     | 99.5    |
| 64"                                                                 |                             | 92.3         | 92.3    | 110.0        | 110.0   | 70.9                     | 70.9    | 93.3                     | 93.3    |
| 48"                                                                 | 150"                        | 108.9        | 108.9   | 110.0        | 110.0   | 83.7                     | 83.7    | 110.0                    | 110.0   |
| 54"                                                                 |                             | 96.8         | 96.8    | 110.0        | 110.0   | 74.4                     | 74.4    | 97.9                     | 97.9    |
| 60"                                                                 |                             | 87.1         | 87.1    | 108.2        | 108.2   | 66.9                     | 66.9    | 88.1                     | 88.1    |
| 64"                                                                 |                             | 81.7         | 81.7    | 101.5        | 101.5   | 62.8                     | 62.8    | 82.6                     | 82.6    |

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



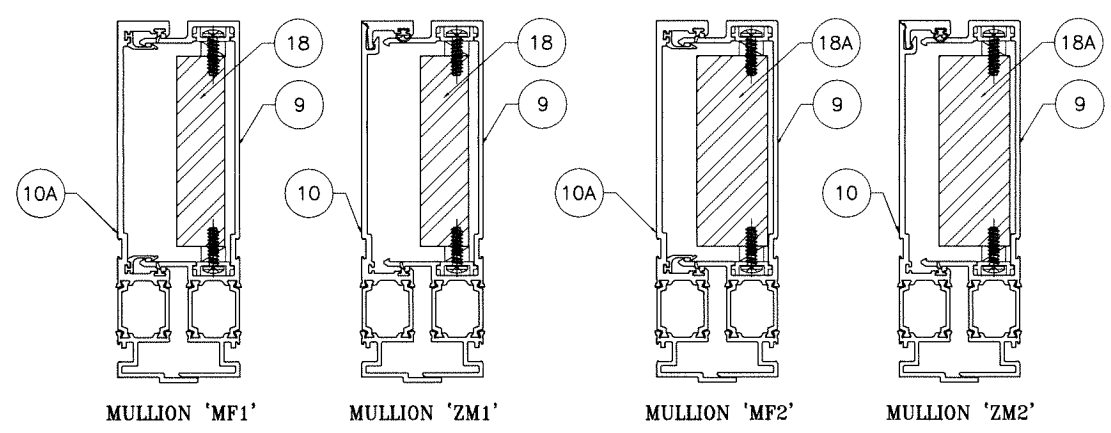
WIDTH (W) = W1  
AT JAMB

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



|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.320   | 2.489   |
| STEEL                  | 2.400   | 1.219   |
| TOTAL                  | 14.210  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |

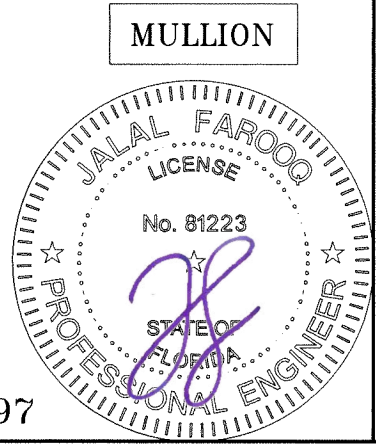
|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.320   | 2.489   |
| STEEL                  | 3.600   | 1.829   |
| TOTAL                  | 17.656  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |



|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.479   | 2.551   |
| STEEL                  | 5.004   | 2.542   |
| TOTAL                  | 21.845  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |

|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 7.479   | 2.551   |
| STEEL                  | 7.404   | 3.761   |
| TOTAL                  | 28.736  |         |
| Ix ALUM + Ix STL X 2.9 |         |         |

Sealed: 10/24/2024



FL #47097

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
WWW.AFCENG.COM  
FBPE #3538

SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)

**REFLECTION WINDOW + WALL**  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377 www.reflectionwindow.com

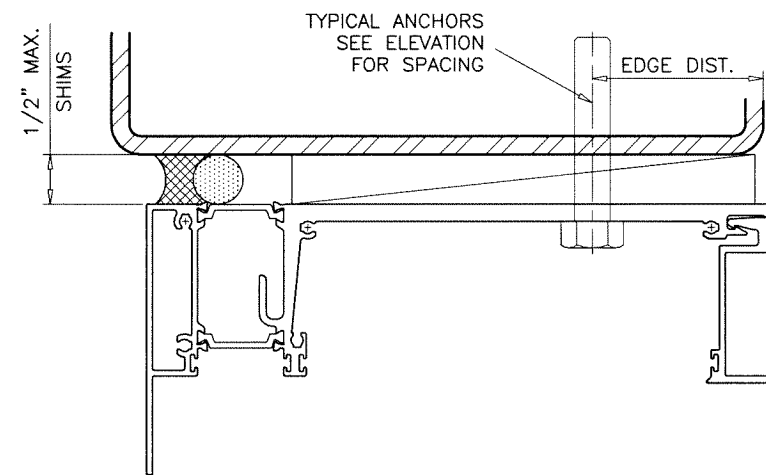
revisions:

| no | date | by | description |
|----|------|----|-------------|
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |

date: 09-12-24  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

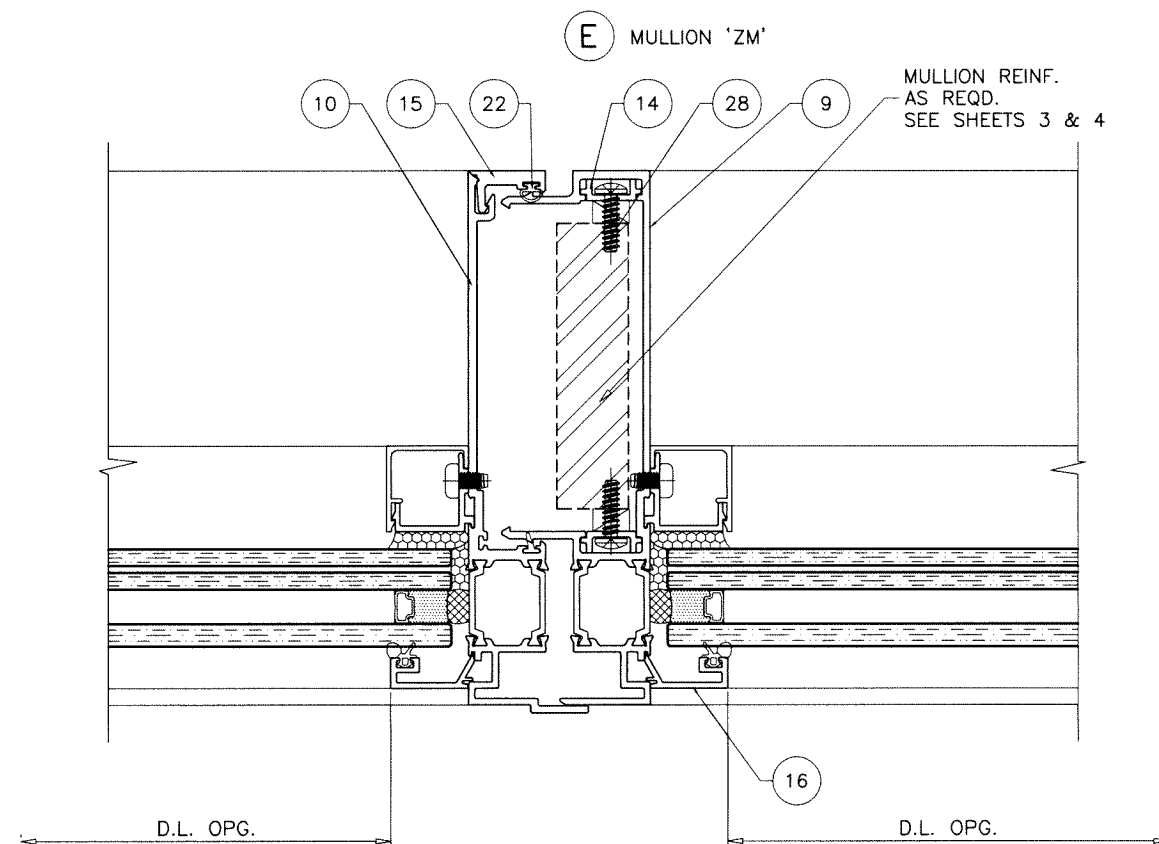
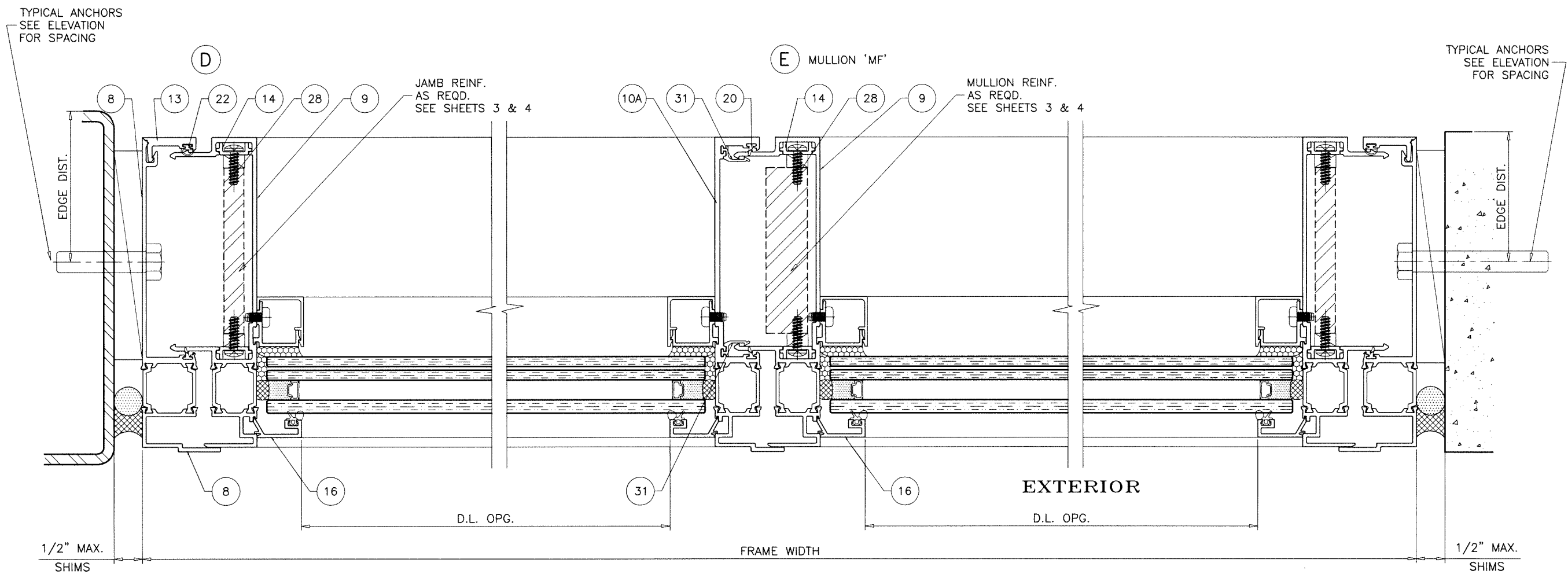
drawing no.  
**24-58F**  
sheet 4 of 11



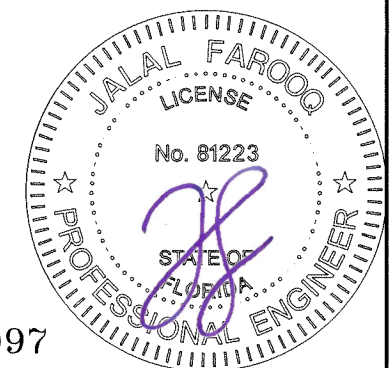


A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 81223" is printed above a large, stylized purple signature. The seal is surrounded by a border of small dots.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">date: 09-12-24</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">scale: <math>3/8" = 1"</math></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">dr. by: TARIQ</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">chk. by:</div> </div> <div style="width: 50%; text-align: right;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">drawing no.</div> <div style="font-size: 2em; font-weight: bold; padding-bottom: 2px;">24-58F</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">sheet 6 of 11</div> </div> </div> |  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">revisions:</div> </div> <div style="width: 50%; text-align: right;"> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">no date by description</div> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |



Sealed: 10/24/2024



FL #47097

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
*FBPE #3538*

**a f c**

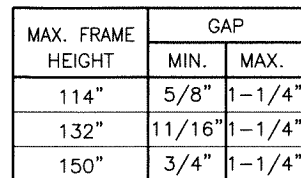
WWW.AFCENG.COM

STORE\24-58F-RWW

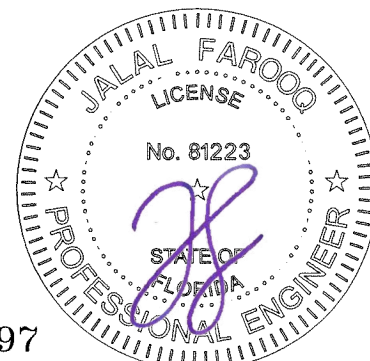
SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)

**REFLECTION WINDOW + WALL**  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377 [www.reflectionwindow.com](http://www.reflectionwindow.com)

[illegible]



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



FL #47097

|                    |               |            |                     |
|--------------------|---------------|------------|---------------------|
| date: 09-12-24     |               | revisions: |                     |
| scale: $3/8" = 1"$ | dr. by: TARIQ | no         | date by description |
| chk. by:           |               |            |                     |
| drawing no. 24-58F |               |            |                     |
| sheet 8 of 11      |               |            |                     |

| ITEM NO. | PART NO.   | QUANTITY | DESCRIPTION                        | MATERIAL        | MANF./SUPPLIER/REMARKS     |
|----------|------------|----------|------------------------------------|-----------------|----------------------------|
| 1        | —          | —        | HEAD RECEPTOR                      | 6063-T6         | —                          |
| 2        | —          | —        | HEAD RECEPTOR BACK                 | 6063-T6         | —                          |
| 3        | —          | —        | FRAME HEAD                         | 6063-T6         | —                          |
| 4        | —          | —        | FRAME HORIZONTAL                   | 6063-T6         | —                          |
| 5        | —          | —        | FRAME SILL                         | 6063-T6         | —                          |
| 6        | —          | —        | SILL RECEPTOR                      | 6063-T6         | —                          |
| 7        | —          | —        | SILL RECEPTOR BACK                 | 6063-T6         | —                          |
| 8        | —          | —        | FEMALE JAMB                        | 6063-T6         | —                          |
| 9        | —          | —        | MALE JAMB/MULLION                  | 6063-T6         | —                          |
| 10       | —          | —        | FEMALE MULLION (ZM)                | 6063-T6         | —                          |
| 10A      | —          | —        | FEMALE MULLION (MF)                | 6063-T6         | —                          |
| 11       | —          | —        | GLASS STOP HEAD/SILL/TRANSOM       | 6063-T6         | —                          |
| 12       | —          | —        | GLASS STOP COVER                   | 6063-T6         | —                          |
| 13       | —          | —        | ZIPPER SNAP (JAMB)                 | 6063-T6         | —                          |
| 14       | —          | —        | REINFORCING GUIDE                  | 6063-T6         | —                          |
| 15       | —          | —        | ZIPPER SNAP (MULLION)              | 6063-T6         | —                          |
| 16       | —          | —        | GLASS STOP JAMB/MULLION            | 6063-T6         | —                          |
| 17       | —          | —        | JAMB RENFORCING                    | STEEL           | A36, Fu = MIN. = 58 KSI    |
| 17A      | —          | —        | JAMB RENFORCING                    | STEEL           | A36, Fu = MIN. = 58 KSI    |
| 18       | —          | —        | MULLION REINFORCING                | STEEL           | A36, Fu = MIN. = 58 KSI    |
| 18A      | —          | —        | MULLION REINFORCING                | STEEL           | A36, Fu = MIN. = 58 KSI    |
| 19       | —          | —        | SILL INSERT                        | 6063-T5         | —                          |
| 20       | —          | —        | FINGER GASKET                      | EPDM / SILICONE | —                          |
| 21       | —          | —        | EXTERIOR BULB GASKET (HORIZONTALS) | EPDM / SILICONE | —                          |
| 22       | —          | —        | EXTERIOR BULB GASKET (VERTICALS)   | EPDM / SILICONE | —                          |
| 23       | —          | —        | HEAD RECEPTOR GASKET               | EPDM / SILICONE | —                          |
| 24       | —          | —        | GLASS STOP GASKET                  | EPDM / SILICONE | —                          |
| 25       | —          | —        | PRESS-IN BULB GASKET (SILL)        | EPDM / SILICONE | —                          |
| 26       | —          | —        | SETTING BLOCK                      | SILICONE        | MIN. DUROMETER 70, SHORE A |
| 27       | MBP6-10    | AS REQD. | GLASS STOP FASTENERS, AT 8" O.C.   | ST. STEEL       | —                          |
| 28       | MBP6-20    | AS REQD. | REINF. BAR FASTENERS, AT 24" O.C.  | ST. STEEL       | —                          |
| 29       | SDP10-3/4" | —        | ASSEMBLY FASTENERS                 | ST. STEEL       | SELF DRILLING PAN HEAD     |
| 30       | —          | AS REQD. | SUPPORT ANGLE                      | 6063-T6         | —                          |
| 31       | —          | AS REQD. | MF MULLION SNAP                    | 6063-T6         | —                          |
| 32       | —          | —        | —                                  | —               | —                          |

SEALANTS:

ALL FRAME CORNERS, JOINTS, SEALED WITH SILICONE SEALANT.

Sealed: 10/24/2024



FL #47097

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
WWW.AFCENG.COM

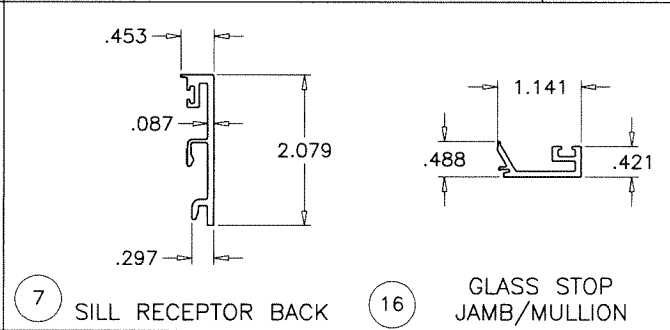
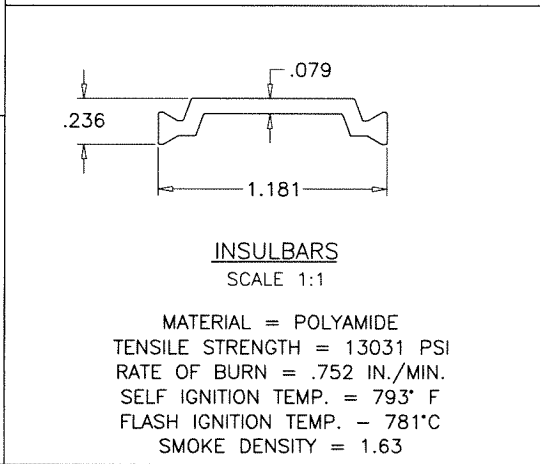
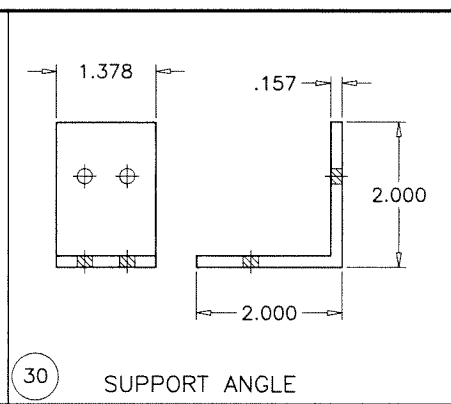
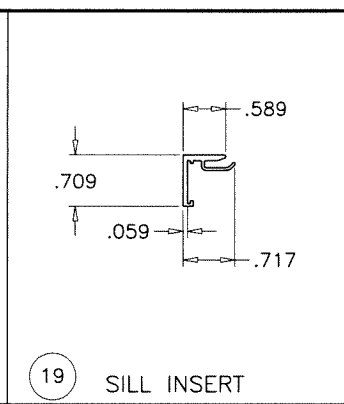
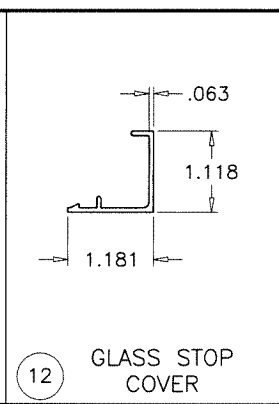
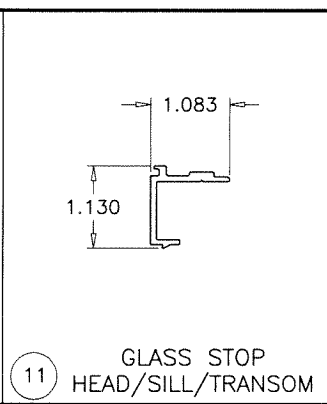
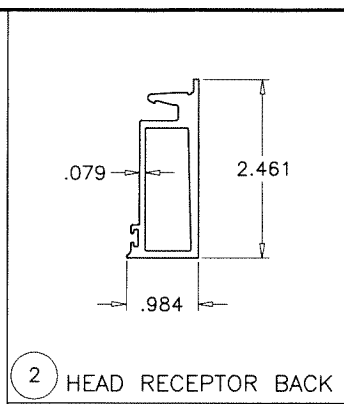
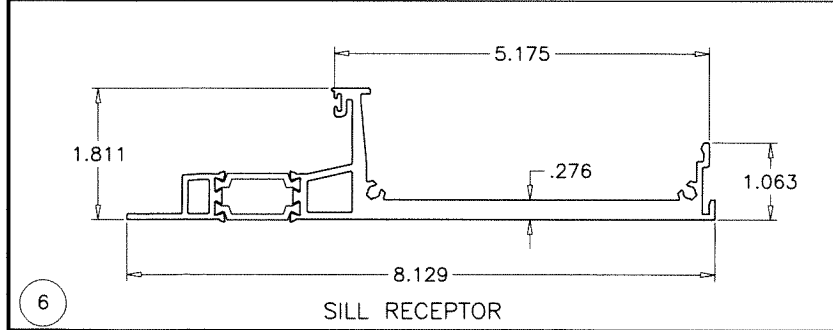
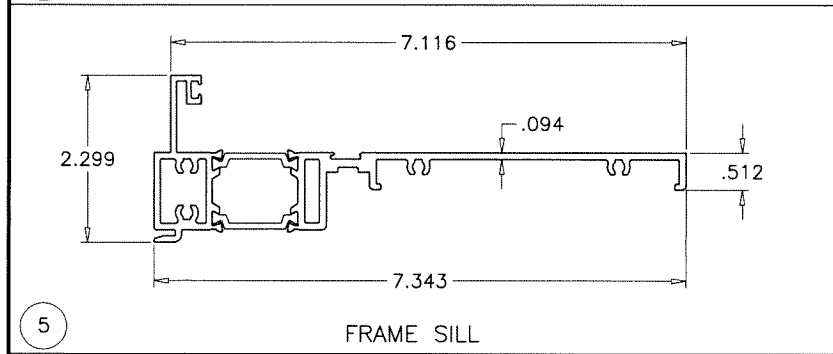
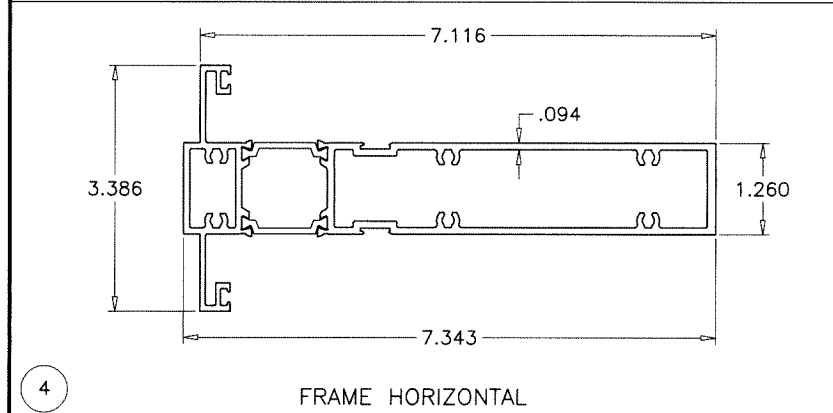
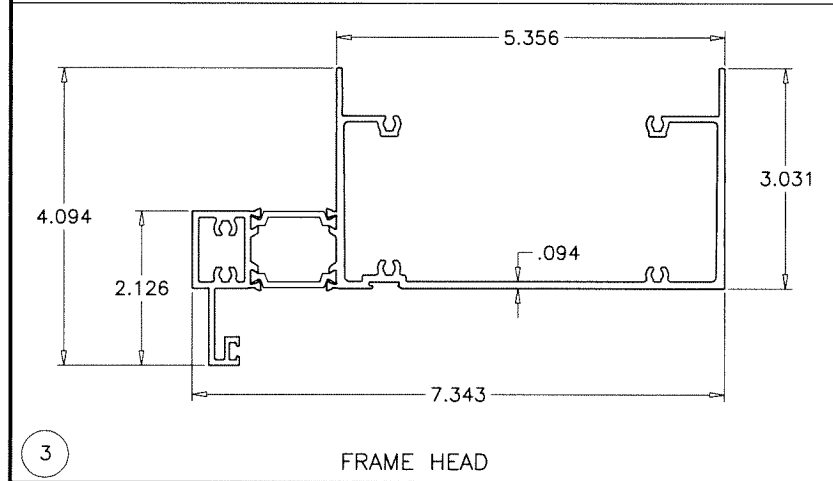
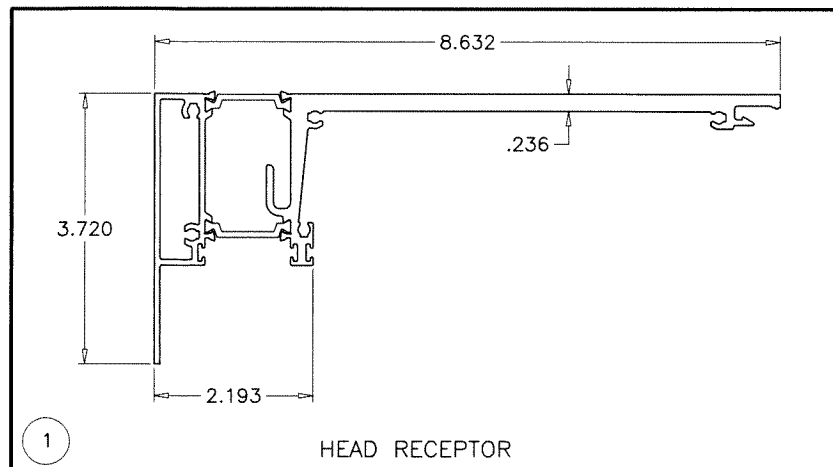
STORE \24-58F-RWW

FBPE #3538

SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)

**REFLECTION WINDOW + WALL**  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377    www.reflectionwindow.com

|             |           |      |    |             |
|-------------|-----------|------|----|-------------|
| revisions:  | no        | date | by | description |
|             |           |      |    |             |
|             |           |      |    |             |
|             |           |      |    |             |
|             |           |      |    |             |
| date:       | 09-12-24  |      |    |             |
| scale:      | 3/8" = 1" |      |    |             |
| dr. by:     | TARIQ     |      |    |             |
| chk. by:    |           |      |    |             |
| drawing no. | 24-58F    |      |    |             |
| sheet       | 9 of 11   |      |    |             |



Sealed: 10/24/2024



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
WWW.AFCENG.COM

STORE 24-58F-RWW  
FBPE #3538

SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)  
**REFLECTION WINDOW + WALL**  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377 www.reflectionwindow.com

revisions:  
no date by description

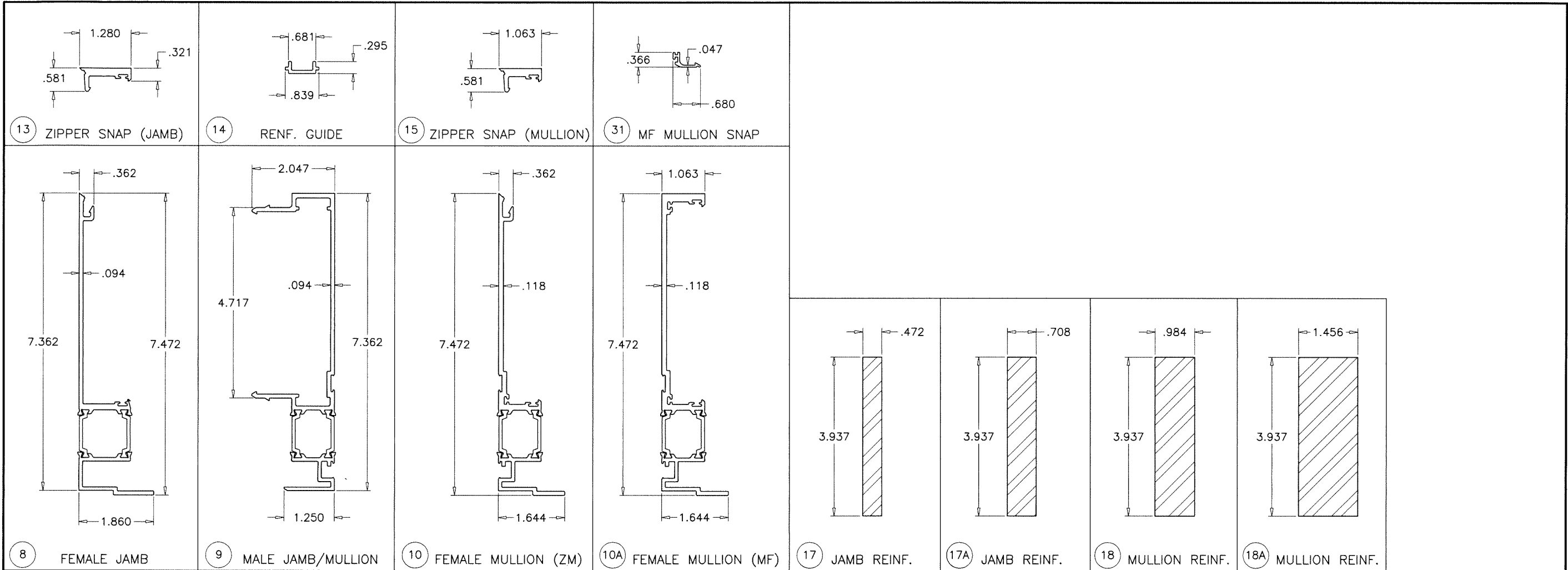
|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

date: 09-12-24  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**24-58F**

sheet 10 of 11

FL #47097



Sealed: 10/24/2024



FL #47097

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
WWW.AFCENG.COM  
FBPE #3538

SERIES 7000XL ALUMINUM WINDOW WALL SYS. (L.M.I.)

**REFLECTION WINDOW + WALL**  
2525 North Elston Avenue  
Chicago, Illinois 60647  
Phone: 773 770 0377 www.reflectionwindow.com

| revisions: |                     |
|------------|---------------------|
| no         | date by description |
|            |                     |
|            |                     |
|            |                     |
|            |                     |
|            |                     |

date: 09-12-24

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

**24-58F**

sheet 11 of 11