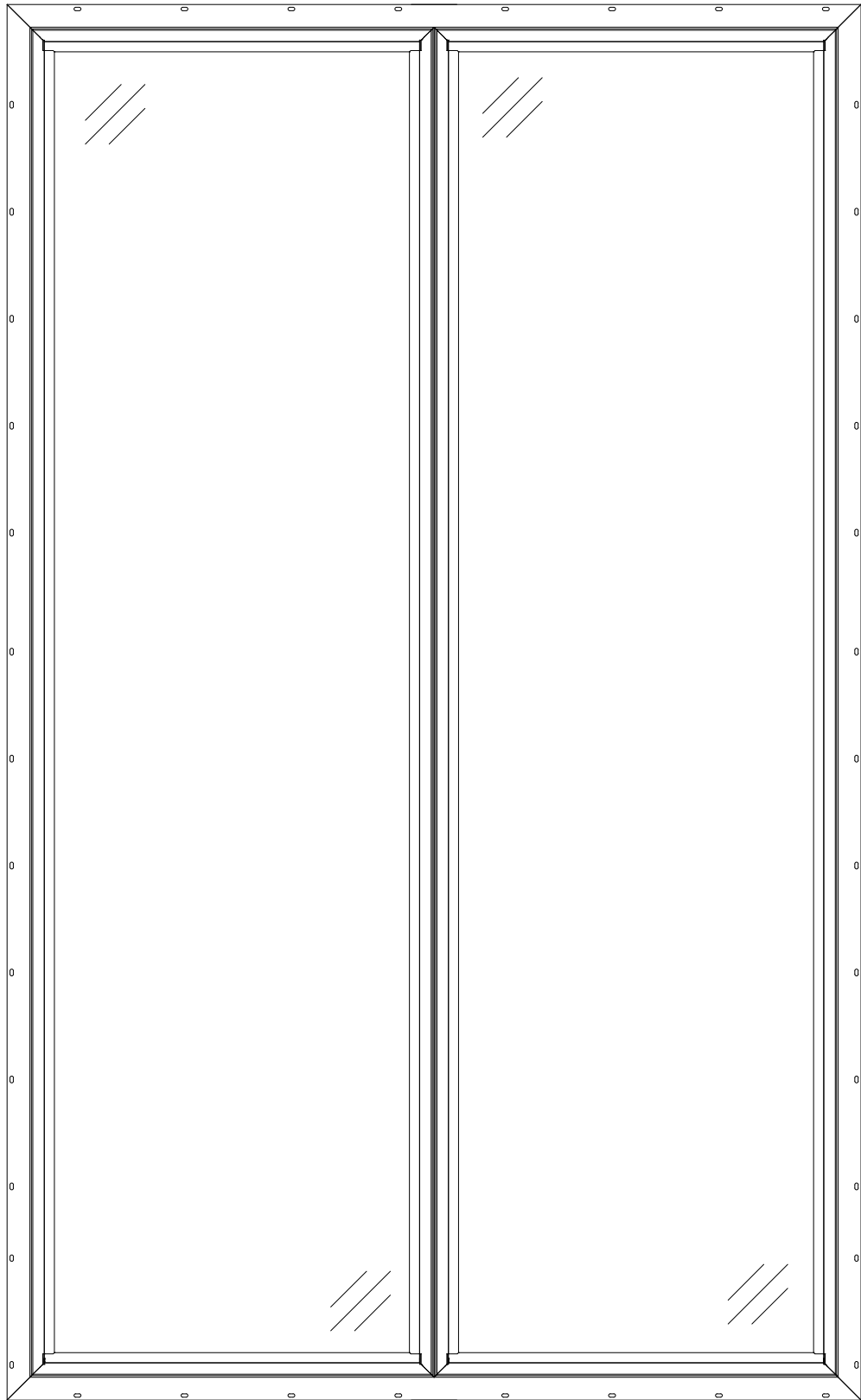




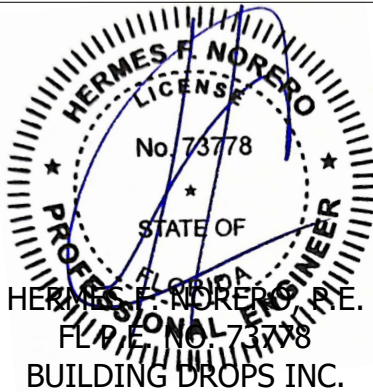
EXTERIOR ELEVATION

# Loewen 36 Series Picture/Direct Set StormForce Mullied Assemblies

- Notes:**
- The product shown herein is designed and manufactured to comply with the current Florida Building Code (FBC), Including HVHZ and has been evaluated according to the following
    - TAS 201-94
    - TAS 202-94
    - TAS 203-94
  - Adequacy of existing structural concrete/masonry and 2x framing as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the Engineer or Architect of record for the project of installation.
  - 2x bucks (when used) shall be designed and anchored to properly transfer all loads to the structure. Buck design and installation is the responsibility of the Engineer or Architect of record for the project of installation.
  - The installation details described herein are generic and may not reflect actual conditions for a specific site. If site conditions cause installation to deviate from the requirements detailed herein, a licensed Engineer or Architect shall prepare site specific documents for use with this document in non-HVHZ areas. In HVHZ areas, one time product approval to be obtained from Miami-Dade RER.
  - Window frame material: Douglas Fir and 6061 or 6063 T5 Aluminum
  - Glass meets the requirements of ASTM E1300 glass charts. See sheet 3 for glazing detail
  - In accordance with the current chapter 20 of the FBC, dissimilar metals including fasteners that may come in contact with Aluminum unit framing shall be protected as defined in chapter 20 of the FBC.



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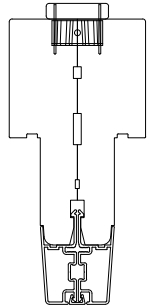


| REVISIONS | Date        |  |  |  |
|-----------|-------------|--|--|--|
|           | By          |  |  |  |
|           | Description |  |  |  |
|           | Rev         |  |  |  |

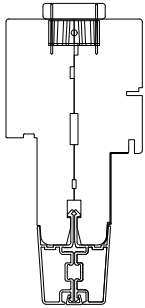
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|------------------------------------------------------------|--------------|--|--|--|
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|                                                            | DRAWN BY:    |  |  |  |
|                                                            | CHECKED BY:  |  |  |  |
|                                                            | DATE:        |  |  |  |

|        |                  |
|--------|------------------|
| DWG #  | 36-IMP_CM-1912-1 |
| SHEET: | 1 OF 8           |

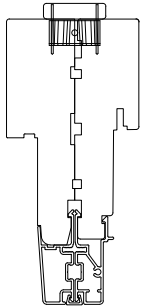
Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2026.08.11 16:16:44 +02'00'



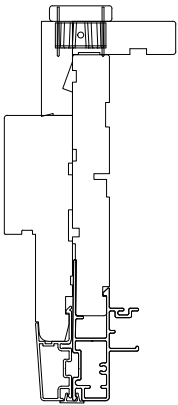
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2 36 PICTURE - 36 PICTURE



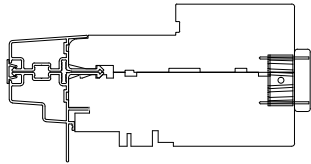
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2 36 PICTURE - 28 CASEMENT



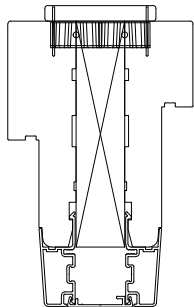
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2 36 PICTURE - 18 TERRACE DOOR



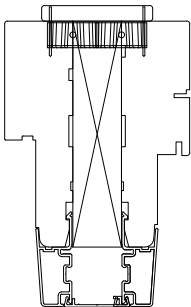
4  
2 36 PICTURE - 44 PATIO DOOR



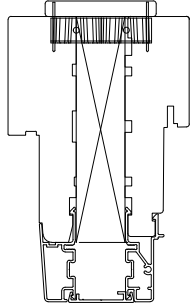
5  
2 36 PICTURE - 25 DOUBLE HUNG



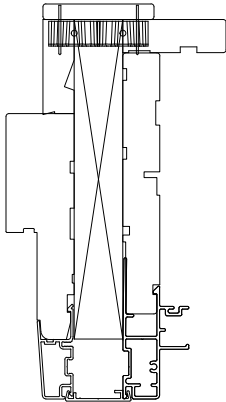
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2 36 PICTURE - 36 PICTURE



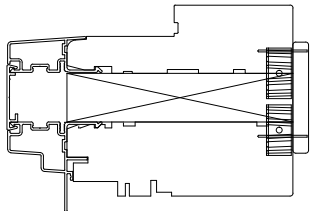
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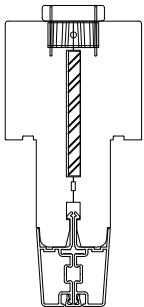
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2 36 PICTURE - 18 TERRACE DOOR



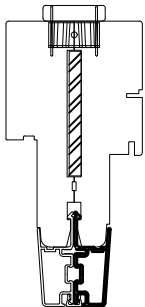
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2 36 PICTURE - 44 PATIO DOOR



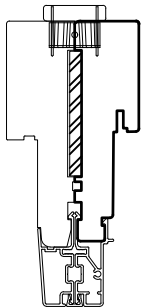
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2 36 PICTURE - 25 DOUBLE HUNG



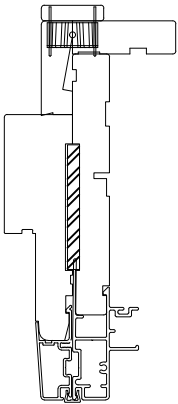
11  
2 36 PICTURE - 36 PICTURE



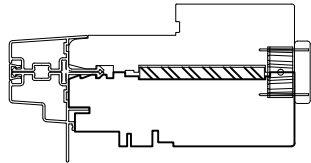
12  
2 36 PICTURE - 28 CASEMENT



13  
2 36 PICTURE - 18 TERRACE DOOR



14  
2 36 PICTURE - 44 PATIO DOOR



15  
2 36 PICTURE - 25 DOUBLE HUNG

Notes:

1. THE EXTERIOR OF ALL METAL CLAD UNITS ARE FASTENED TOGETHER WITH A CONTINUOUS EXTRUDED ALUMINUM COVER
2. THE INTERIOR OF ALL UNITS ARE FASTENED TOGETHER WITH A 1" x 1/2" CORRUGATED FASTENERS 2" FROM EACH END AND 6" ON CENTER ALONG THE FULL SPAN OF THE MULLION AT EACH MULLION INTERFACE.
3. ALL 36 PICTURE FRAMES SHOWN ARE TRIPLE FRAMES

Reinforcement Specifications

1. SECTIONS 1 TO 5 ARE NOT REINFORCED
2. SECTIONS 6 TO 8 AND 10 ARE REINFORCED WITH A 1" X 4 9/16" CONTINUOUS DOUGLAS FIR MEMBER
3. SECTION 9 IS REINFORCED WITH A 1" x 6 7/16" CONTINUOUS DOUGLAS FIR MEMBER
4. SECTION 11 TO 15 ARE REINFORCED WITH A 1/4" X 2 1/4" CONTINUOUS STEEL MEMBER



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REVISIONS

| Description | Rev | Date | By |
|-------------|-----|------|----|
|             |     |      |    |
|             |     |      |    |
|             |     |      |    |

|                                                               |                 |
|---------------------------------------------------------------|-----------------|
| TITLE:<br>METAL CLAD 36PS<br>IMPACT MULLION<br>PLAN & SECTION | PREPARED BY:    |
| DATE:<br>12/04/19                                             | DRAWN BY:<br>JC |
| SCALE:<br>NTS                                                 | CHECKED BY:     |

DWG #  
36-IMP\_CM-1912-2  
SHEET:  
2 OF 8



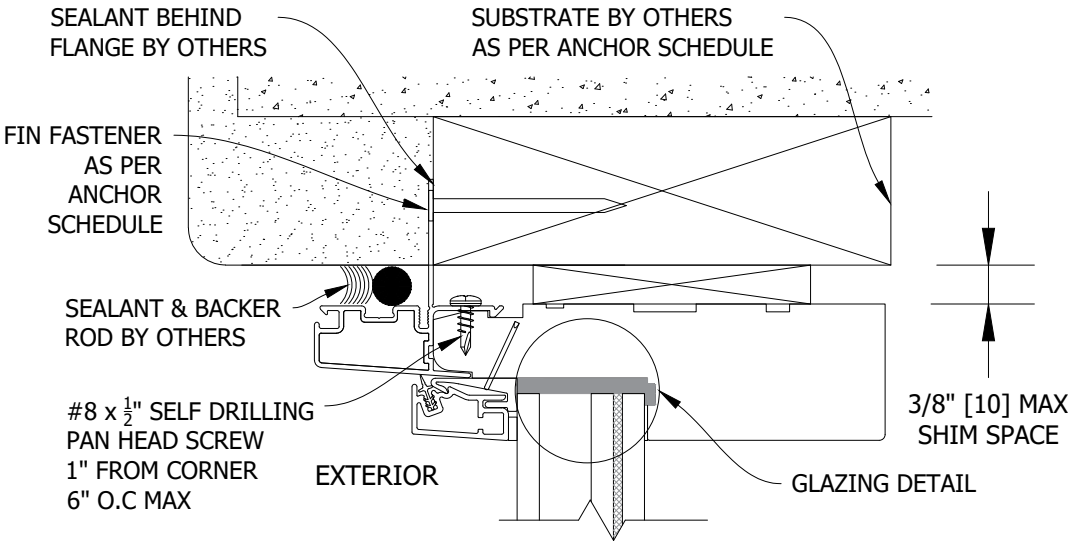
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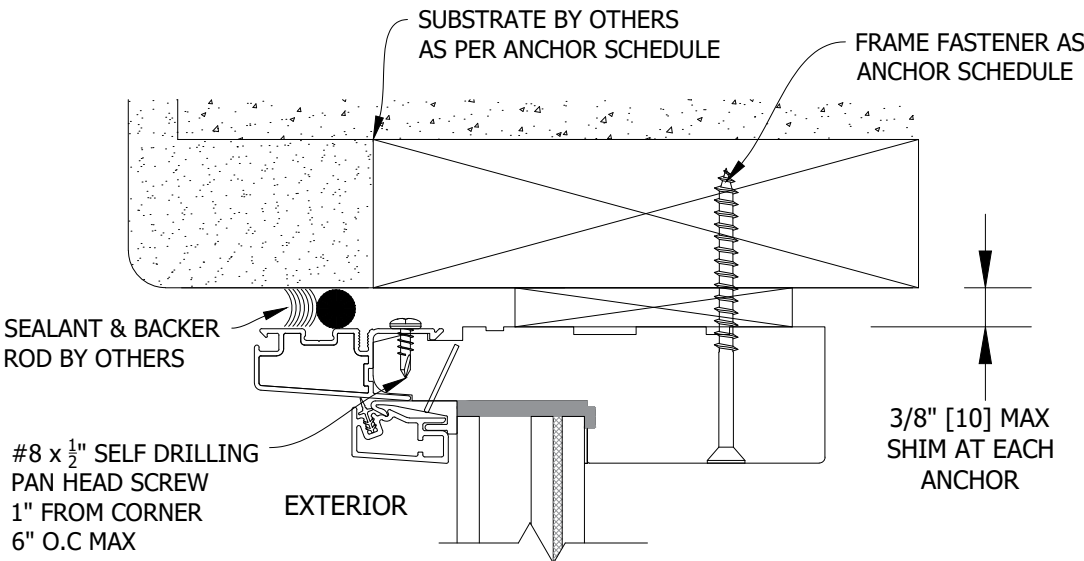
| REVISIONS | Date        |  |  |  |  |
|-----------|-------------|--|--|--|--|
|           | By          |  |  |  |  |
|           | Description |  |  |  |  |
|           | Rev         |  |  |  |  |

| TITLE:<br>METAL CLAD 36PS<br>IMPACT MULLION<br>INSTALLATION SECTIONS |  | PREPARED BY:    |  |
|----------------------------------------------------------------------|--|-----------------|--|
| DATE:<br>12/04/19                                                    |  | DRAWN BY:<br>JC |  |
| SCALE:<br>NTS                                                        |  | CHECKED BY:     |  |

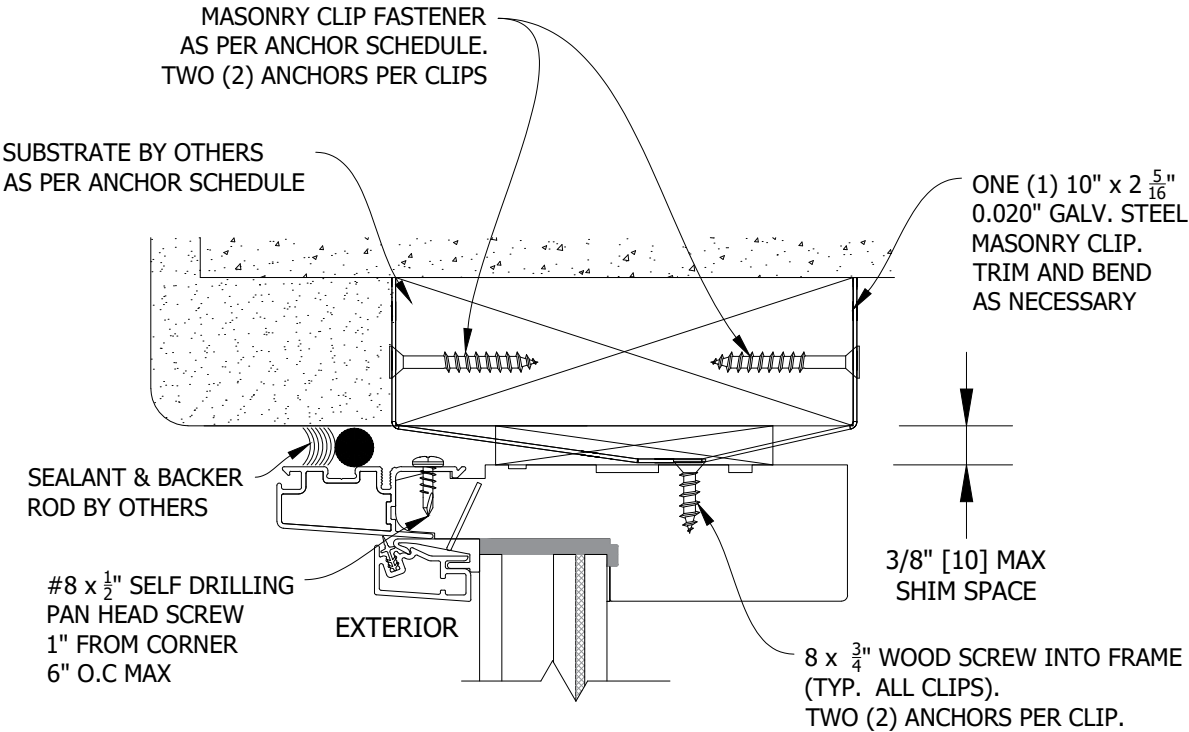
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| DWG #<br>36-IMP_CM-1912-3 |
| SHEET:<br>3 OF 8          |



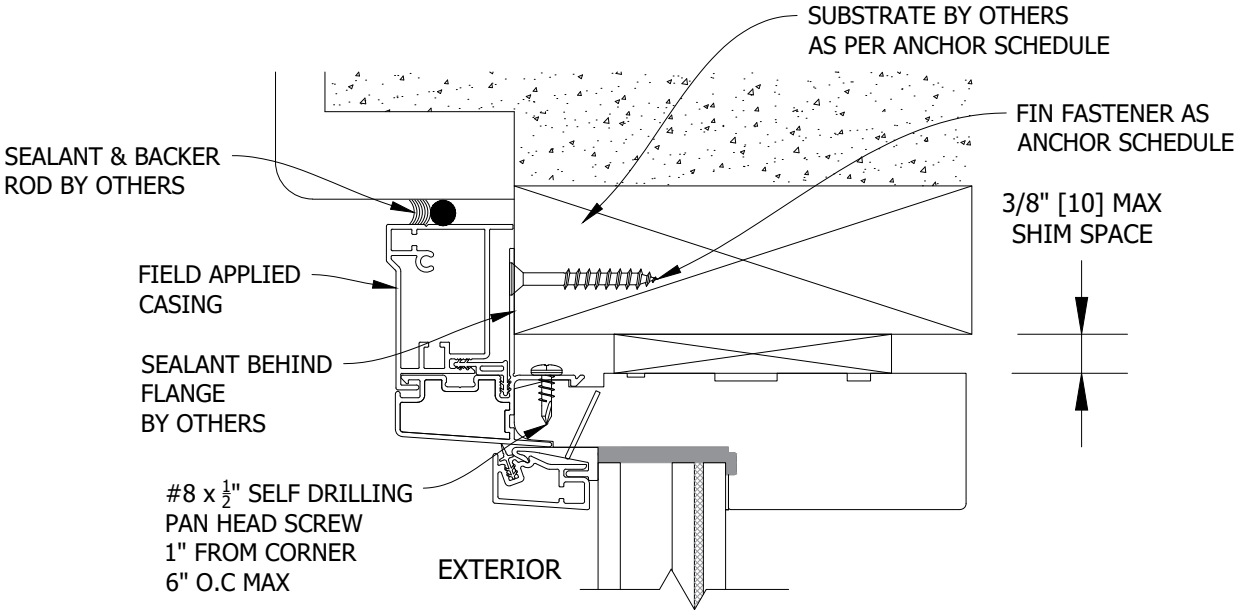
1  
3 NAILING FIN INSTALLATION



2  
3 FRAME SCREW INSTALLATION



3  
3 MASONRY CLIP INSTALLATION



4  
3 NAILING FIN INSTALLATION w SITE APPLIED BRICKMOULD

TWO (2) 4 mm WOOD GLAZING SHIMS PER GLASS EDGE

DOW 995 SEALANT AT EDGE AND EXTERIOR

EXTERIOR

GLAZING DETAIL

**SEALED UNIT**

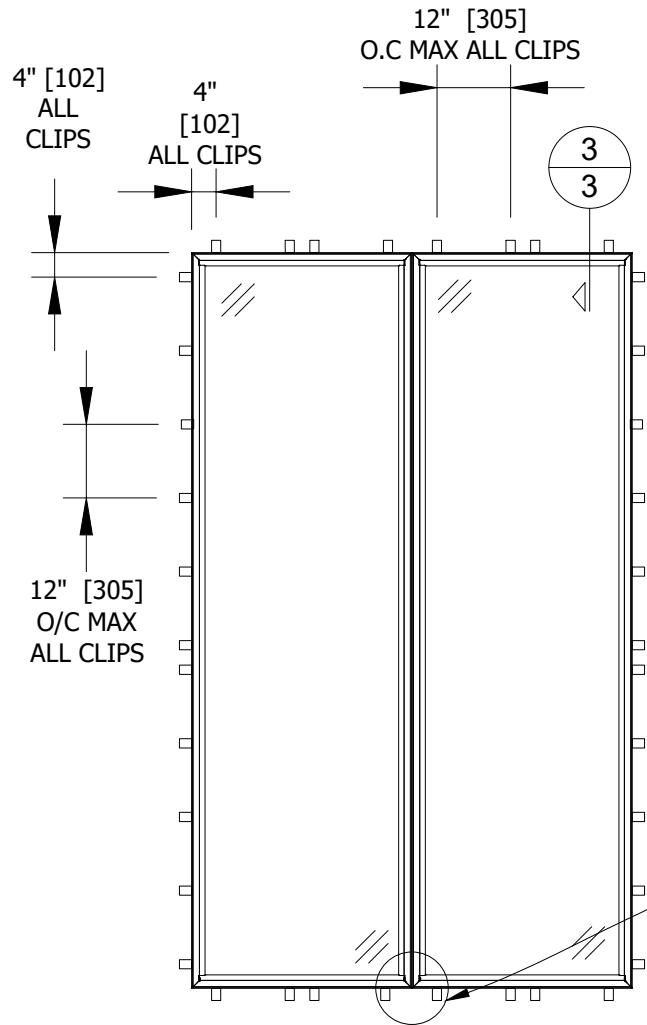
- 1 1/4" THICK LAMINATED IG - LMI ONLY (1/4" AN. EXTERIOR; 1/2" STAINLESS STEEL SPACER; 1/4" AN / 0.090 KURARAY SG / 1/4" AN. INTERIOR)
- 1 1/4" THICK LAMINATED IG - LMI OR SMI (1/4" TEMP. EXTERIOR; 1/2" STAINLESS STEEL SPACER; 1/4" AN / 0.090 KURARAY SG / 1/4" AN. INTERIOR)

IG unit must conform with ASTM E1300-04

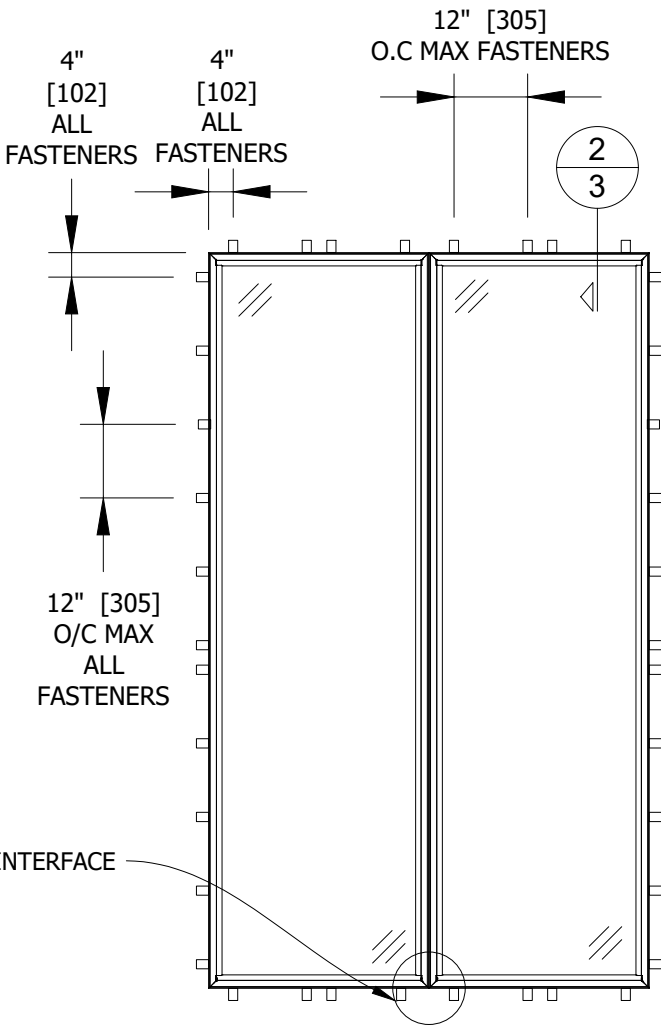
**NOTES**

1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

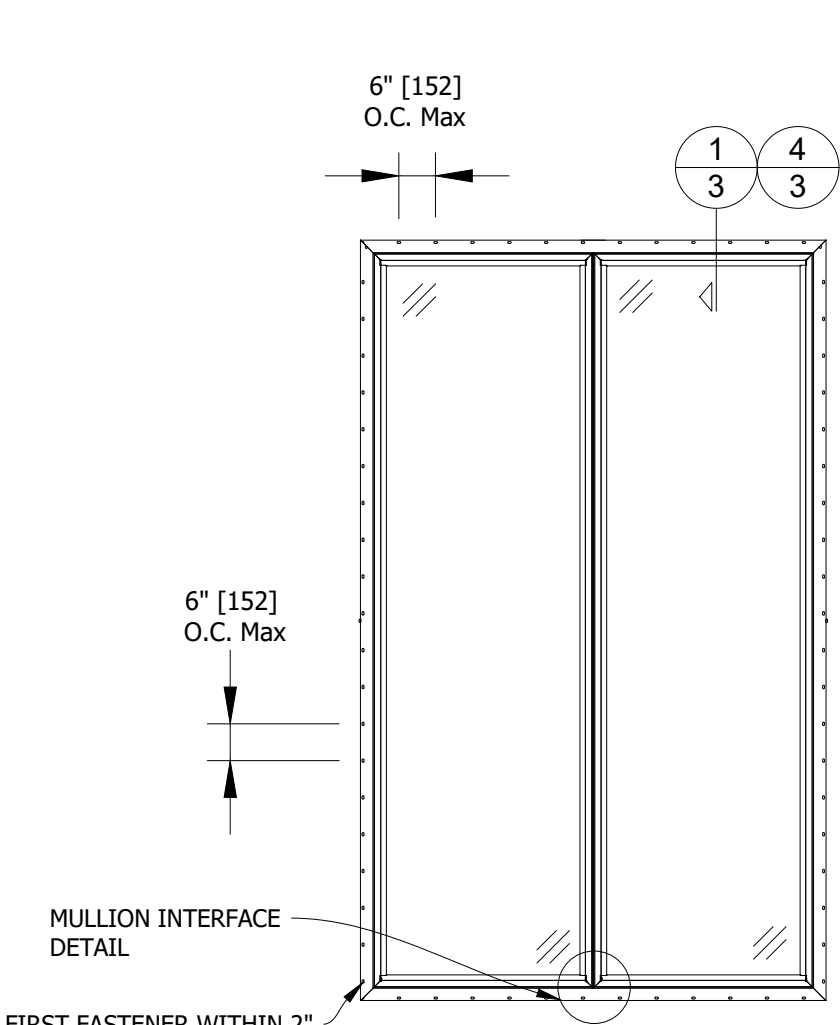
HEAD SECTIONS SHOWN, JAMB AND SILL SECTION SIMILAR



MASONRY CLIP INSTALLATION

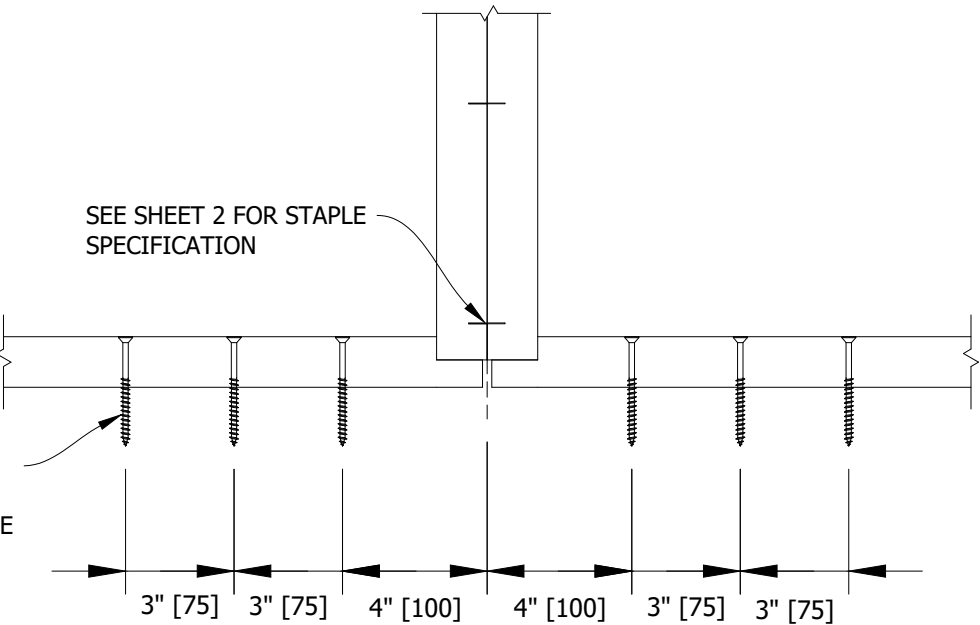


FRAME SCREW INSTALLATION



NAILING FIN INSTALLATION

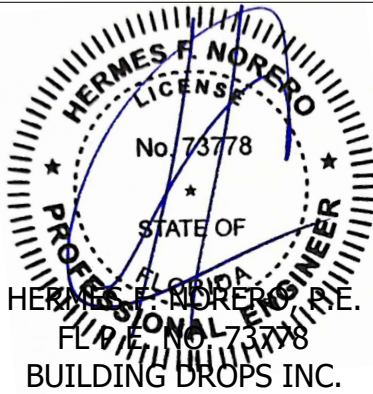
| Anchor Schedule                                                  |                                                  |                           |                   |                    |                                     |
|------------------------------------------------------------------|--------------------------------------------------|---------------------------|-------------------|--------------------|-------------------------------------|
| Installation Method                                              | Substrate                                        | Anchor description        | Min. Embedmen     | Min. Edge Distance | Spacing                             |
| Masonry Clip<br>20 Gauge Steel Min<br>Fy=33KSI                   | Wood:<br>Spruce-Pine-Fir or similar<br>S.G.=0.42 | #8 Wood Screw<br>Pan Head | 1.50"             | 0.75"              | (3 anchors/side)<br>3.00" on center |
|                                                                  | Metal: 18 Gauge Steel<br>Min. Fy=33KSI           | #8 TEK SCREW              | 3 Pitches threads | 0.50"              | (3 anchors/side)<br>3.00" on center |
| Nail Fin<br>Aluminum 6063-T5<br>0.05 Thickness<br>Min Fy= 10 KSI | Wood:<br>Spruce-Pine-Fir or similar<br>S.G.=0.42 | #8 Wood Screw<br>Pan Head | 1.50"             | 0.75"              | (3 anchors/side)<br>3.00" on center |
|                                                                  | Metal: 16 Gauge Steel<br>Min. Fy=33KSI           | #8 TEK SCREW              | 3 Pitches threads | 0.50"              | (3 anchors/side)<br>3.00" on center |
| Frame Screw<br>Spruce-Pine-Fir<br>Min. SG=0.42                   | Wood:<br>Spruce-Pine-Fir or similar<br>S.G.=0.42 | #8 Wood Screw<br>Pan Head | 1.50"             | 0.75"              | (3 anchors/side)<br>3.00" on center |
|                                                                  | Metal: 16 Gauge Steel<br>Min. Fy=33KSI           | #8 TEK SCREW              | 3 Pitches threads | 0.50"              | (3 anchors/side)<br>3.00" on center |
|                                                                  | Concrete:<br>Min. f'c= 3000PSi                   | 1/4" ITW Tapcons          | 1.25"             | 2.25"              | (3 anchors/side)<br>3.00" on center |
|                                                                  | Masonry:<br>CMU per ASTM C90 Min. 2000PSi        | 1/4" ITW Tapcons          | 1.25"             | 2.25"              | (3 anchors/side)<br>3.00" on center |



MULLION INTERFACE DETAIL  
ALL INSTALLATION TYPES



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|           | By          |  |  |  |
|           | Description |  |  |  |
|           | Rev         |  |  |  |

|                                                                           |                   |  |  |  |
|---------------------------------------------------------------------------|-------------------|--|--|--|
| TITLE:<br>METAL CLAD 36PS<br>IMPACT MULLION<br>INSTALLATION<br>ELEVATIONS | PREPARED BY:      |  |  |  |
|                                                                           | DRAWN BY:<br>JC   |  |  |  |
|                                                                           | CHECKED BY:       |  |  |  |
|                                                                           | DATE:<br>10/18/19 |  |  |  |
| SCALE:<br>NTS                                                             |                   |  |  |  |

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE,CMU, OR STEEL |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                | W - TRIBUTARY WIDTH (IN) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                                                                                                                     | 36                       | 38    | 40    | 42    | 44    | 46    | 48    | 50    | 52    | 54    | 56    | 58    | 60    | 62    | 64    | 66    | 68    | 70    | 72    |
| 60                                                                                                                                  | 98.37                    | 95.47 | 92.96 | 90.80 | 88.96 | 87.39 | 86.07 | 84.99 | 84.13 | 83.47 | 83.00 | 82.72 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 |
| 64                                                                                                                                  | 89.82                    | 86.98 | 84.51 | 82.36 | 80.49 | 78.86 | 77.47 | 76.28 | 75.27 | 74.44 | 73.78 | 73.27 | 72.91 | 72.70 | 72.63 | 72.63 | 72.63 | 72.63 | 72.63 |
| 68                                                                                                                                  | 82.63                    | 79.88 | 77.47 | 75.35 | 73.49 | 71.85 | 70.42 | 69.18 | 68.10 | 67.18 | 66.40 | 65.75 | 65.24 | 64.84 | 64.56 | 64.39 | 64.33 | 64.33 | 64.33 |
| 72                                                                                                                                  | 76.51                    | 73.85 | 71.51 | 69.44 | 67.61 | 65.99 | 64.56 | 63.29 | 62.18 | 61.21 | 60.36 | 59.64 | 59.02 | 58.51 | 58.10 | 57.78 | 57.56 | 57.43 | 57.38 |
| 76                                                                                                                                  | 71.23                    | 68.67 | 66.40 | 64.39 | 62.60 | 61.01 | 59.59 | 58.33 | 57.21 | 56.21 | 55.33 | 54.56 | 53.89 | 53.31 | 52.82 | 52.41 | 52.08 | 51.82 | 51.64 |
| 80                                                                                                                                  | 66.64                    | 64.17 | 61.97 | 60.02 | 58.28 | 56.73 | 55.33 | 54.09 | 52.97 | 51.97 | 51.08 | 50.28 | 49.58 | 48.96 | 48.42 | 47.95 | 47.55 | 47.22 | 46.95 |
| 84                                                                                                                                  | 62.60                    | 60.22 | 58.10 | 56.21 | 54.52 | 53.01 | 51.64 | 50.42 | 49.32 | 48.32 | 47.43 | 46.63 | 45.91 | 45.26 | 44.69 | 44.19 | 43.75 | 43.36 | 43.04 |
| 88                                                                                                                                  | 59.02                    | 56.73 | 54.68 | 52.86 | 51.22 | 49.74 | 48.42 | 47.22 | 46.13 | 45.15 | 44.27 | 43.46 | 42.74 | 42.09 | 41.50 | 40.97 | 40.51 | 40.09 | 39.73 |
| 92                                                                                                                                  | 55.83                    | 53.62 | 51.64 | 49.88 | 48.29 | 46.86 | 45.57 | 44.40 | 43.34 | 42.38 | 41.50 | 40.71 | 39.98 | 39.33 | 38.73 | 38.20 | 37.71 | 37.28 | 36.89 |
| 96                                                                                                                                  | 52.97                    | 50.83 | 48.93 | 47.22 | 45.68 | 44.29 | 43.04 | 41.90 | 40.86 | 39.92 | 39.06 | 38.28 | 37.56 | 36.91 | 36.31 | 35.77 | 35.28 | 34.83 | 34.43 |
| 100                                                                                                                                 | 50.39                    | 48.32 | 46.48 | 44.83 | 43.34 | 41.99 | 40.77 | 39.66 | 38.65 | 37.73 | 36.89 | 36.12 | 35.41 | 34.69 | 33.97 | 33.32 | 32.72 | 32.17 | 31.68 |
| 104                                                                                                                                 | 47.55                    | 45.30 | 43.29 | 41.49 | 39.86 | 38.39 | 37.06 | 35.84 | 34.73 | 33.72 | 32.80 | 31.95 | 31.17 | 30.45 | 29.80 | 29.20 | 28.64 | 28.14 | 27.68 |
| 108                                                                                                                                 | 42.30                    | 40.29 | 38.49 | 36.87 | 35.40 | 34.08 | 32.88 | 31.78 | 30.78 | 29.87 | 29.03 | 28.26 | 27.55 | 26.90 | 26.30 | 25.74 | 25.24 | 24.77 | 24.34 |
| 112                                                                                                                                 | 37.81                    | 35.99 | 34.37 | 32.91 | 31.59 | 30.40 | 29.31 | 28.32 | 27.42 | 26.59 | 25.82 | 25.12 | 24.48 | 23.88 | 23.33 | 22.83 | 22.36 | 21.93 | 21.53 |
| 116                                                                                                                                 | 33.93                    | 32.29 | 30.83 | 29.51 | 28.31 | 27.23 | 26.25 | 25.35 | 24.53 | 23.77 | 23.08 | 22.44 | 21.85 | 21.31 | 20.81 | 20.34 | 19.91 | 19.51 | 19.14 |
| 120                                                                                                                                 | 30.57                    | 29.09 | 27.76 | 26.56 | 25.48 | 24.50 | 23.60 | 22.78 | 22.04 | 21.35 | 20.72 | 20.13 | 19.60 | 19.10 | 18.64 | 18.21 | 17.81 | 17.45 | 17.10 |
| 124                                                                                                                                 | 27.64                    | 26.29 | 25.08 | 23.99 | 23.01 | 22.12 | 21.30 | 20.56 | 19.87 | 19.25 | 18.67 | 18.14 | 17.64 | 17.19 | 16.76 | 16.37 | 16.01 | 15.67 | 15.35 |
| 128                                                                                                                                 | 25.07                    | 23.84 | 22.74 | 21.75 | 20.85 | 20.04 | 19.29 | 18.61 | 17.99 | 17.41 | 16.89 | 16.40 | 15.95 | 15.53 | 15.14 | -     | -     | -     | -     |
| 132                                                                                                                                 | 22.82                    | 21.69 | 20.69 | 19.78 | 18.96 | 18.21 | 17.53 | 16.91 | 16.34 | 15.81 | 15.32 | -     | -     | -     | -     | -     | -     | -     | -     |
| 136                                                                                                                                 | 20.83                    | 19.80 | 18.87 | 18.04 | 17.29 | 16.60 | 15.98 | 15.41 | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 140                                                                                                                                 | 19.06                    | 18.11 | 17.27 | 16.50 | 15.81 | 15.18 | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 144                                                                                                                                 | 17.49                    | 16.62 | 15.84 | 15.13 | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |

THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 1/2, 2/2, 3/2, 5/2, 11/2, 12/2, 13/2, 15/2 FOR ONE WAY MULLIONS

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE,CMU, OR STEEL |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                | W - TRIBUTARY WIDTH (IN) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                                                                                                                     | 36                       | 38    | 40    | 42    | 44    | 46    | 48    | 50    | 52    | 54    | 56    | 58    | 60    | 62    | 64    | 66    | 68    | 70    | 72    |
| 60                                                                                                                                  | 98.37                    | 95.47 | 92.96 | 90.80 | 88.96 | 87.39 | 86.07 | 84.99 | 84.13 | 83.47 | 83.00 | 82.72 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 |
| 64                                                                                                                                  | 89.82                    | 86.98 | 84.51 | 82.36 | 80.49 | 78.86 | 77.47 | 76.28 | 75.27 | 74.44 | 73.78 | 73.27 | 72.91 | 72.70 | 72.63 | 72.63 | 72.63 | 72.63 | 72.63 |
| 68                                                                                                                                  | 82.63                    | 79.88 | 77.47 | 75.35 | 73.49 | 71.85 | 70.42 | 69.18 | 68.10 | 67.18 | 66.40 | 65.75 | 65.24 | 64.84 | 64.56 | 64.39 | 64.33 | 64.33 | 64.33 |
| 72                                                                                                                                  | 76.51                    | 73.85 | 71.51 | 69.44 | 67.61 | 65.99 | 64.56 | 63.29 | 62.18 | 61.21 | 60.36 | 59.64 | 59.02 | 58.51 | 58.10 | 57.78 | 57.56 | 57.43 | 57.38 |
| 76                                                                                                                                  | 71.23                    | 68.67 | 66.40 | 64.39 | 62.60 | 61.01 | 59.59 | 58.33 | 57.21 | 56.21 | 55.33 | 54.56 | 53.89 | 53.31 | 52.82 | 52.41 | 52.08 | 51.82 | 51.64 |
| 80                                                                                                                                  | 66.64                    | 64.17 | 61.97 | 60.02 | 58.28 | 56.73 | 55.33 | 54.09 | 52.97 | 51.97 | 51.08 | 50.28 | 49.58 | 48.96 | 48.42 | 47.95 | 47.55 | 47.22 | 46.95 |
| 84                                                                                                                                  | 62.60                    | 60.22 | 58.10 | 56.21 | 54.52 | 53.01 | 51.64 | 50.42 | 49.32 | 48.32 | 47.43 | 46.63 | 45.91 | 45.26 | 44.69 | 44.19 | 43.75 | 43.36 | 43.04 |
| 88                                                                                                                                  | 59.02                    | 56.73 | 54.68 | 52.86 | 51.22 | 49.74 | 48.42 | 47.22 | 46.13 | 45.15 | 44.27 | 43.46 | 42.74 | 42.09 | 41.50 | 40.97 | 40.51 | 40.09 | 39.73 |
| 92                                                                                                                                  | 55.83                    | 53.62 | 51.64 | 49.88 | 48.29 | 46.86 | 45.57 | 44.40 | 43.34 | 42.38 | 41.50 | 40.71 | 39.98 | 39.33 | 38.73 | 38.20 | 37.71 | 37.28 | 36.89 |
| 96                                                                                                                                  | 52.97                    | 50.83 | 48.93 | 47.22 | 45.68 | 44.29 | 43.04 | 41.90 | 40.86 | 39.92 | 39.06 | 38.28 | 37.56 | 36.91 | 36.31 | 35.77 | 35.28 | 34.83 | 34.43 |
| 100                                                                                                                                 | 50.39                    | 48.32 | 46.48 | 44.83 | 43.34 | 41.99 | 40.77 | 39.66 | 38.65 | 37.73 | 36.89 | 36.12 | 35.41 | 34.77 | 34.18 | 33.64 | 33.14 | 32.69 | 32.28 |
| 104                                                                                                                                 | 48.04                    | 46.05 | 44.27 | 42.67 | 41.22 | 39.92 | 38.73 | 37.65 | 36.67 | 35.77 | 34.95 | 34.19 | 33.50 | 32.86 | 32.28 | 31.74 | 31.25 | 30.79 | 30.38 |
| 108                                                                                                                                 | 45.91                    | 43.98 | 42.25 | 40.71 | 39.31 | 38.04 | 36.89 | 35.84 | 34.88 | 34.00 | 33.20 | 32.46 | 31.78 | 31.16 | 30.58 | 30.05 | 29.56 | 29.11 | 28.69 |
| 112                                                                                                                                 | 43.95                    | 42.09 | 40.42 | 38.92 | 37.56 | 36.33 | 35.21 | 34.19 | 33.26 | 32.40 | 31.62 | 30.90 | 30.23 | 29.62 | 29.05 | 28.53 | 28.04 | 27.59 | 27.18 |
| 116                                                                                                                                 | 42.16                    | 40.35 | 38.73 | 37.28 | 35.96 | 34.77 | 33.68 | 32.69 | 31.78 | 30.95 | 30.18 | 29.48 | 28.82 | 28.22 | 27.67 | 27.15 | 26.67 | 26.23 | 25.82 |
| 120                                                                                                                                 | 40.51                    | 38.75 | 37.18 | 35.77 | 34.49 | 33.33 | 32.28 | 31.31 | 30.43 | 29.62 | 28.87 | 28.18 | 27.54 | 26.95 | 26.41 | 25.90 | 25.43 | 25.00 | 24.59 |
| 124                                                                                                                                 | 38.98                    | 37.28 | 35.75 | 34.38 | 33.14 | 32.01 | 30.99 | 30.05 | 29.19 | 28.40 | 27.67 | 26.99 | 26.37 | 25.80 | 25.26 | 24.76 | 24.30 | 23.87 | 23.47 |
| 128                                                                                                                                 | 37.56                    | 35.91 | 34.43 | 33.10 | 31.89 | 30.79 | 29.80 | 28.88 | 28.04 | 27.27 | 26.45 | 25.68 | 24.98 | 24.32 | 23.71 | 23.15 | 22.62 | 22.13 | 21.67 |
| 132                                                                                                                                 | 35.74                    | 33.98 | 32.40 | 30.98 | 29.70 | 28.53 | 27.46 | 26.48 | 25.59 | 24.76 | 24.00 | 23.30 | 22.65 | 22.05 | 21.49 | 20.97 | 20.48 | 20.03 | 19.60 |
| 136                                                                                                                                 | 32.62                    | 31.01 | 29.56 | 28.26 | 27.08 | 26.01 | 25.03 | 24.13 | 23.31 | 22.55 | 21.85 | 21.21 | 20.61 | 20.05 | 19.54 | 19.05 | 18.61 | 18.19 | 17.80 |
| 140                                                                                                                                 | 29.86                    | 28.37 | 27.05 | 25.85 | 24.76 | 23.78 | 22.88 | 22.05 | 21.30 | 20.60 | 19.95 | 19.36 | 18.81 | 18.29 | 17.82 | 17.37 | 16.96 | 16.57 | 16.21 |
| 144                                                                                                                                 | 27.39                    | 26.03 | 24.81 | 23.70 | 22.70 | 21.80 | 20.97 | 20.21 | 19.51 | 18.87 | 18.27 | 17.72 | 17.21 | 16.74 | 16.30 | 15.88 | 15.50 | 15.14 | -     |

THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 6/2, 7/2, 8/2, 10/2 FOR ONE WAY MULLIONS

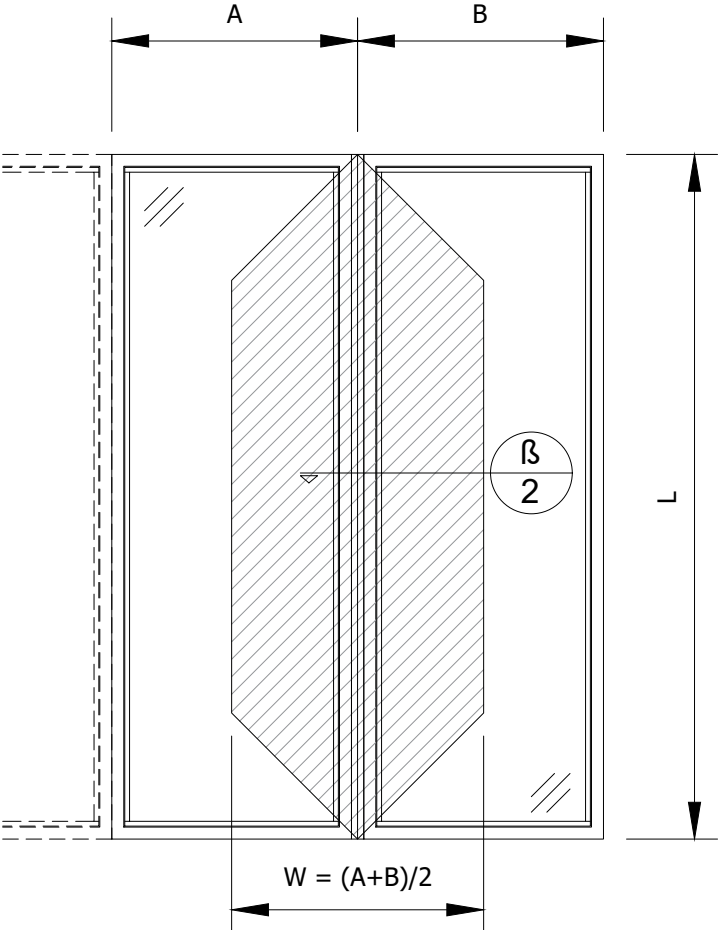
- NOTES:
1.

DIMENSION A & B ALWAYS TAKEN FROM MIDPOINT OF MULLION WIDTH
2.

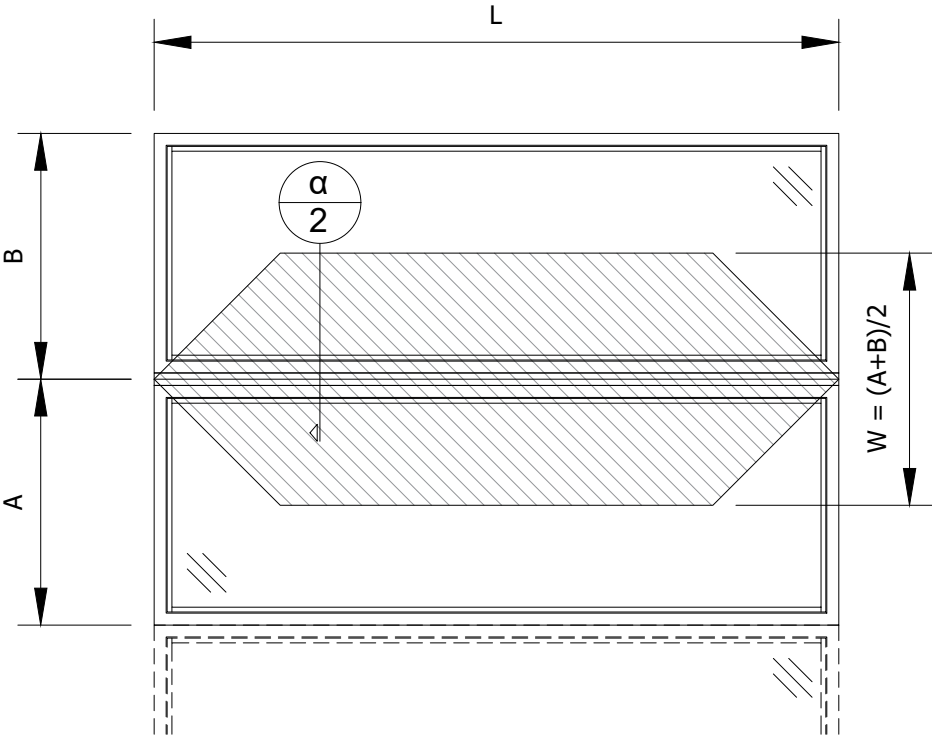
α REPRESENTS SECTIONS 1 THROUGH 15 ON PAGE 2
3.

β REPRESENTS SECTIONS 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14 ON PAGE 2
4.

THE DESIGN PRESSURE OF THE COMBINATION UNIT IS THE THE LESSER VALUE BETWEEN THE MULLION SPAN RATING OR THE SUBUNIT RATINGS WHICH COMPRISE THE COMBINATION UNIT. SUBUNIT DESIGN PRESSURES HELD UNDER SEPARATE APPROVALS



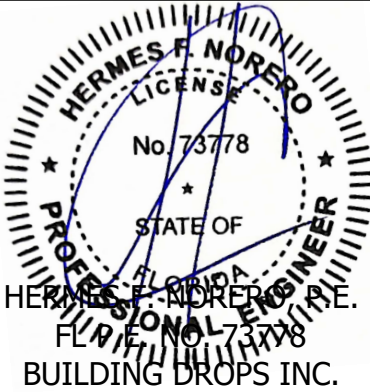
VERTICAL ONE WAY MULLION



HORIZONTAL ONE WAY MULLION



Loewen Inc  
77 Highway 52 West  
Steinbach, MB Canada  
R5G 1B2  
PH (204) 346-6808



BUILDING DROPS INC.

REVISIONS

Date

By

Description

Rev

TITLE:

METAL CLAD 36PS  
IMPACT MULLION  
I-MULLION

DATE:

12/04/19

SCALE:

NTS

PREPARED BY:

DRAWN BY:

JC

CHECKED BY:

DWG #

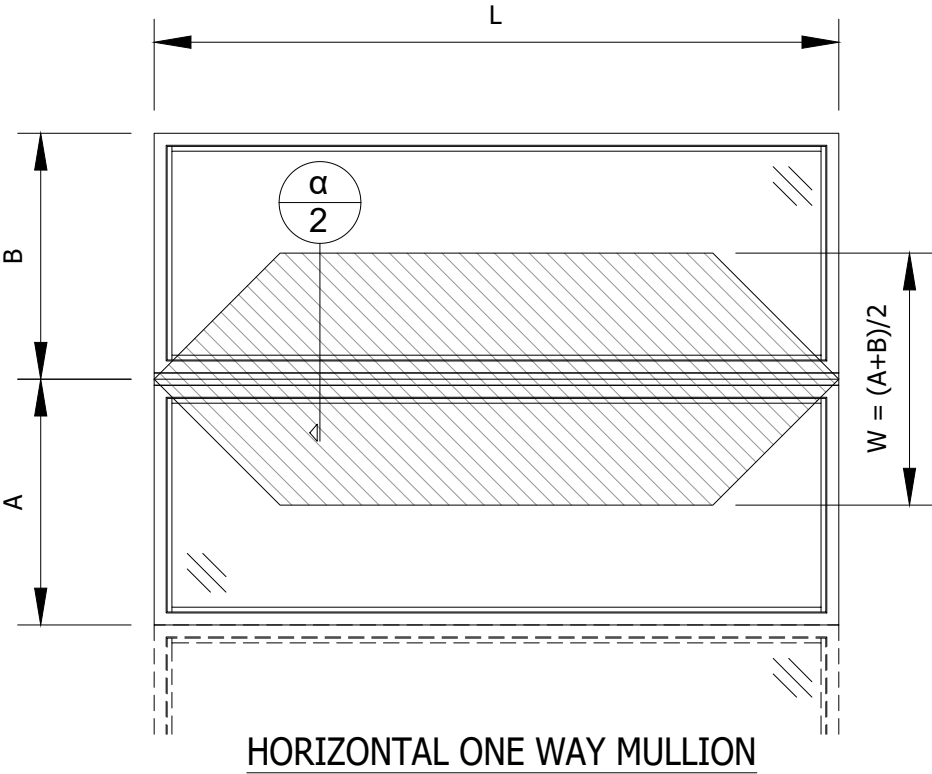
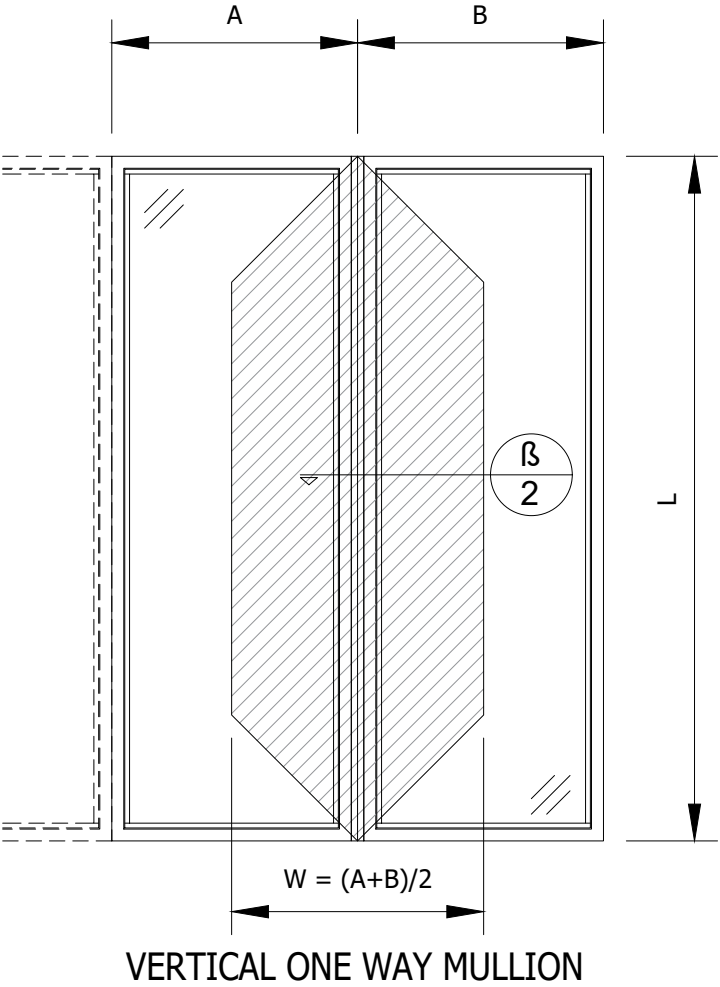
36-IMP\_CM-1912-5

SHEET:

5 OF 8

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, CMU, OR STEEL |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                 | W - TRIBUTARY WIDTH (IN) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                                                                                                                      | 36                       | 38    | 40    | 42    | 44    | 46    | 48    | 50    | 52    | 54    | 56    | 58    | 60    | 62    | 64    | 66    | 68    | 70    | 72    |
| 60                                                                                                                                   | 98.37                    | 95.47 | 92.96 | 90.80 | 88.96 | 87.39 | 86.07 | 84.99 | 84.13 | 83.47 | 83.00 | 82.72 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 | 82.63 |
| 64                                                                                                                                   | 89.82                    | 86.98 | 84.51 | 82.36 | 80.49 | 78.86 | 77.47 | 76.28 | 75.27 | 74.44 | 73.78 | 73.27 | 72.91 | 72.70 | 72.63 | 72.63 | 72.63 | 72.63 | 72.63 |
| 68                                                                                                                                   | 82.63                    | 79.88 | 77.47 | 75.35 | 73.49 | 71.85 | 70.42 | 69.18 | 68.10 | 67.18 | 66.40 | 65.75 | 65.24 | 64.84 | 64.56 | 64.39 | 64.33 | 64.33 | 64.33 |
| 72                                                                                                                                   | 76.51                    | 73.85 | 71.51 | 69.44 | 67.61 | 65.99 | 64.56 | 63.29 | 62.18 | 61.21 | 60.36 | 59.64 | 59.02 | 58.51 | 58.10 | 57.78 | 57.56 | 57.43 | 57.38 |
| 76                                                                                                                                   | 71.23                    | 68.67 | 66.40 | 64.39 | 62.60 | 61.01 | 59.59 | 58.33 | 57.21 | 56.21 | 55.33 | 54.56 | 53.89 | 53.31 | 52.82 | 52.41 | 52.08 | 51.82 | 51.64 |
| 80                                                                                                                                   | 66.64                    | 64.17 | 61.97 | 60.02 | 58.28 | 56.73 | 55.33 | 54.09 | 52.97 | 51.97 | 51.08 | 50.28 | 49.58 | 48.96 | 48.42 | 47.95 | 47.55 | 47.22 | 46.95 |
| 84                                                                                                                                   | 62.60                    | 60.22 | 58.10 | 56.21 | 54.52 | 53.01 | 51.64 | 50.42 | 49.32 | 48.32 | 47.43 | 46.63 | 45.91 | 45.26 | 44.69 | 44.19 | 43.75 | 43.36 | 43.04 |
| 88                                                                                                                                   | 59.02                    | 56.73 | 54.68 | 52.86 | 51.22 | 49.74 | 48.42 | 47.22 | 46.13 | 45.15 | 44.27 | 43.46 | 42.74 | 42.09 | 41.50 | 40.97 | 40.51 | 40.09 | 39.73 |
| 92                                                                                                                                   | 55.83                    | 53.62 | 51.64 | 49.88 | 48.29 | 46.86 | 45.57 | 44.40 | 43.34 | 42.38 | 41.50 | 40.71 | 39.98 | 39.33 | 38.73 | 38.20 | 37.71 | 37.28 | 36.89 |
| 96                                                                                                                                   | 52.97                    | 50.83 | 48.93 | 47.22 | 45.68 | 44.29 | 43.04 | 41.90 | 40.86 | 39.92 | 39.06 | 38.28 | 37.56 | 36.91 | 36.31 | 35.77 | 35.28 | 34.83 | 34.43 |
| 100                                                                                                                                  | 50.39                    | 48.32 | 46.48 | 44.83 | 43.34 | 41.99 | 40.77 | 39.66 | 38.65 | 37.73 | 36.89 | 36.12 | 35.41 | 34.77 | 34.18 | 33.64 | 33.14 | 32.69 | 32.28 |
| 104                                                                                                                                  | 48.04                    | 46.05 | 44.27 | 42.67 | 41.22 | 39.92 | 38.73 | 37.65 | 36.67 | 35.77 | 34.95 | 34.19 | 33.50 | 32.86 | 32.28 | 31.74 | 31.25 | 30.79 | 30.38 |
| 108                                                                                                                                  | 45.91                    | 43.98 | 42.25 | 40.71 | 39.31 | 38.04 | 36.89 | 35.84 | 34.88 | 34.00 | 33.20 | 32.46 | 31.78 | 31.16 | 30.58 | 30.05 | 29.56 | 29.11 | 28.69 |
| 112                                                                                                                                  | 43.95                    | 42.09 | 40.42 | 38.92 | 37.56 | 36.33 | 35.21 | 34.19 | 33.26 | 32.40 | 31.62 | 30.90 | 30.23 | 29.62 | 29.05 | 28.53 | 28.04 | 27.59 | 27.18 |
| 116                                                                                                                                  | 42.16                    | 40.35 | 38.73 | 37.28 | 35.96 | 34.77 | 33.68 | 32.69 | 31.78 | 30.95 | 30.18 | 29.48 | 28.82 | 28.22 | 27.67 | 27.15 | 26.67 | 26.23 | 25.82 |
| 120                                                                                                                                  | 40.51                    | 38.75 | 37.18 | 35.77 | 34.49 | 33.33 | 32.28 | 31.31 | 30.43 | 29.62 | 28.87 | 28.18 | 27.54 | 26.95 | 26.41 | 25.90 | 25.43 | 25.00 | 24.59 |
| 124                                                                                                                                  | 38.98                    | 37.28 | 35.75 | 34.38 | 33.14 | 32.01 | 30.99 | 30.05 | 29.19 | 28.40 | 27.67 | 26.99 | 26.37 | 25.80 | 25.26 | 24.76 | 24.30 | 23.87 | 23.47 |
| 128                                                                                                                                  | 37.56                    | 35.91 | 34.43 | 33.10 | 31.89 | 30.79 | 29.80 | 28.88 | 28.04 | 27.27 | 26.56 | 25.90 | 25.30 | 24.73 | 24.21 | 23.72 | 23.27 | 22.85 | 22.45 |
| 132                                                                                                                                  | 36.24                    | 34.64 | 33.20 | 31.90 | 30.73 | 29.66 | 28.69 | 27.80 | 26.98 | 26.23 | 25.54 | 24.90 | 24.30 | 23.75 | 23.24 | 22.76 | 22.32 | 21.91 | 21.52 |
| 136                                                                                                                                  | 35.01                    | 33.45 | 32.06 | 30.79 | 29.65 | 28.61 | 27.67 | 26.80 | 26.00 | 25.27 | 24.59 | 23.97 | 23.39 | 22.85 | 22.35 | 21.88 | 21.44 | 21.04 | 20.66 |
| 140                                                                                                                                  | 33.87                    | 32.35 | 30.99 | 29.76 | 28.65 | 27.64 | 26.71 | 25.87 | 25.09 | 24.38 | 23.71 | 23.10 | 22.54 | 22.01 | 21.52 | 21.06 | 20.63 | 20.24 | 19.86 |
| 144                                                                                                                                  | 32.79                    | 31.31 | 29.99 | 28.79 | 27.71 | 26.72 | 25.82 | 25.00 | 24.24 | 23.54 | 22.90 | 22.30 | 21.75 | 21.23 | 20.75 | 20.30 | 19.88 | 19.49 | 19.13 |

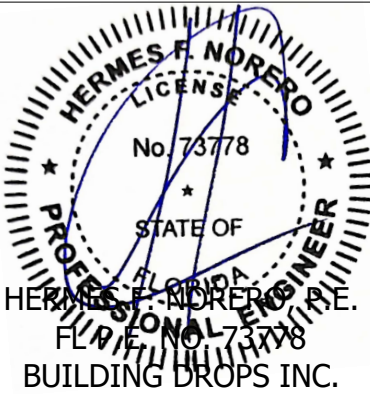
THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 4/2, 9/2, 14/2 FOR ONE WAY MULLIONS



- NOTES:**
- DIMENSION A & B ALWAYS TAKEN FROM MIDPOINT OF MULLION WIDTH
  - $\alpha$  REPRESENTS SECTIONS 1 THROUGH 15 ON PAGE 2
  - $\beta$  REPRESENTS SECTIONS 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14 ON PAGE 2
  - THE DESIGN PRESSURE OF THE COMBINATION UNIT IS THE THE LESSER VALUE BETWEEN THE MULLION SPAN RATING OR THE SUBUNIT RATINGS WHICH COMPRISE THE COMBINATION UNIT. SUBUNIT DESIGN PRESSURES HELD UNDER SEPARATE APPROVALS



Loewen Inc  
77 Highway 52 West  
Steinbach, MB Canada  
R5G 1B2  
PH (204) 346-6808



## REVISIONS

Date

By

Description

Rev

TITLE:

METAL CLAD 36PS  
IMPACT MULLION  
I-MULLION

DATE:

12/04/19

SCALE:

NTS

PREPARED BY:

DRAWN BY:

JC

CHECKED BY:

DWG #

36-IMP\_CM-1912-6

SHEET:

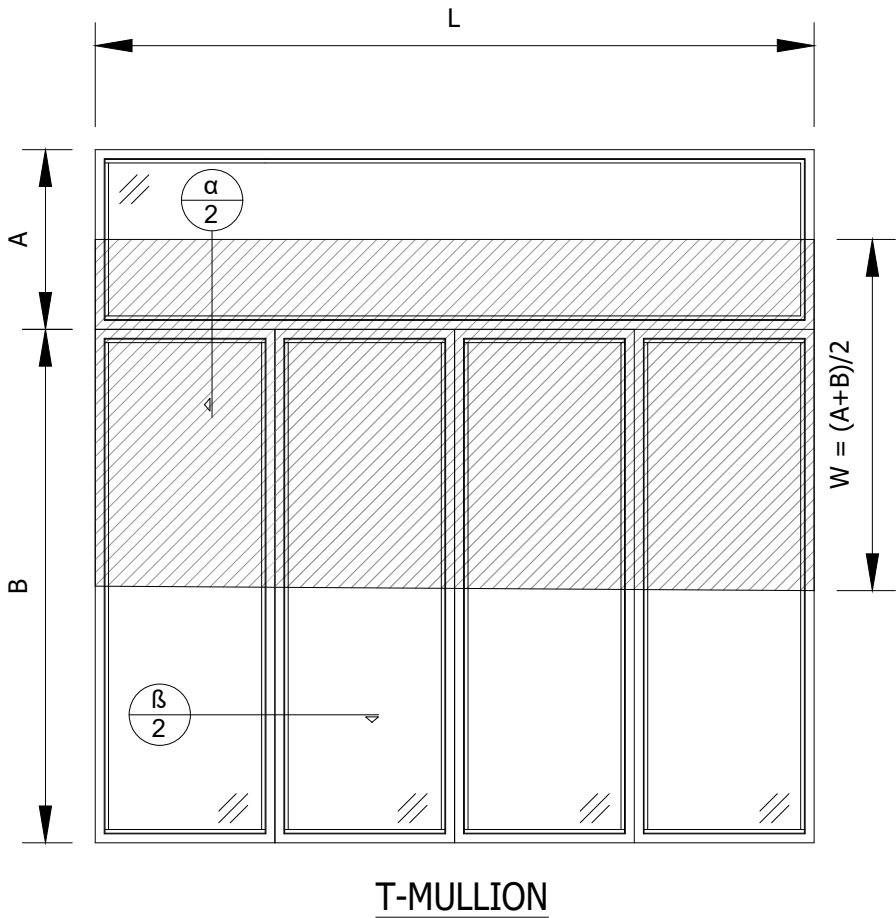
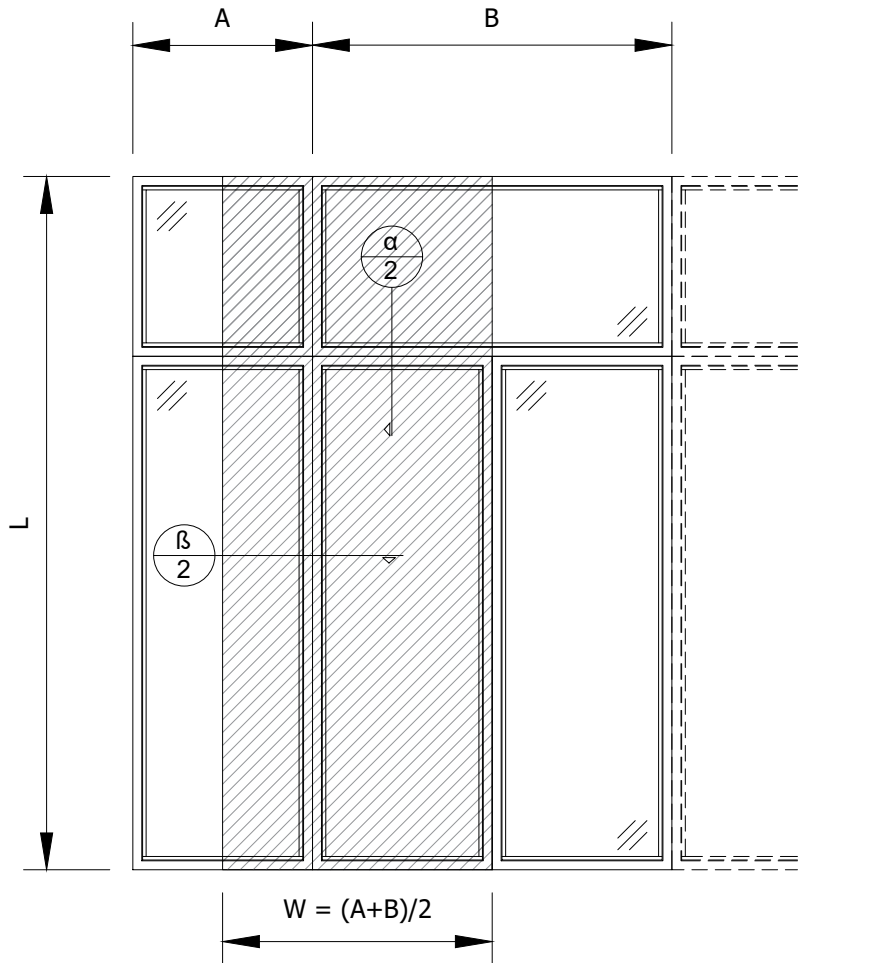
6 OF 8

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE,CMU, OR STEEL |                          |        |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                | W - TRIBUTARY WIDTH (IN) |        |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |       |
|                                                                                                                                     | 36                       | 38     | 40     | 42     | 44     | 46     | 48     | 50     | 52     | 54     | 56    | 58    | 60    | 62    | 64    | 66    | 68    | 70    | 72    |
| 60                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.86 | 96.41 | 93.20 | 90.19 | 87.37 | 84.73 | 82.23 | 79.88 | 77.67 |
| 64                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.30  | 94.51  | 91.01  | 87.76 | 84.74 | 81.91 | 79.27 | 76.79 | 74.47 | 72.28 | 70.21 | 68.26 |
| 68                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 98.94  | 94.64  | 90.70  | 87.07  | 83.72  | 80.62  | 77.74 | 75.06 | 72.56 | 70.22 | 68.02 | 65.96 | 64.02 | 62.19 | 60.47 |
| 72                                                                                                                                  | 100.00                   | 100.00 | 97.08  | 92.46  | 88.26  | 84.42  | 80.90  | 77.67  | 74.68  | 71.91  | 69.34 | 66.95 | 64.72 | 62.63 | 60.68 | 58.84 | 57.11 | 55.48 | 53.93 |
| 76                                                                                                                                  | 96.81                    | 91.72  | 87.13  | 82.98  | 79.21  | 75.77  | 72.61  | 69.71  | 67.02  | 64.54  | 62.24 | 60.09 | 58.09 | 56.21 | 54.46 | 52.81 | 51.25 | 49.79 | 48.41 |
| 80                                                                                                                                  | 87.37                    | 82.78  | 78.64  | 74.89  | 71.49  | 68.38  | 65.53  | 62.91  | 60.49  | 58.25  | 56.17 | 54.23 | 52.42 | 50.73 | 49.15 | 47.66 | 46.26 | 44.94 | 43.69 |
| 84                                                                                                                                  | 79.25                    | 75.08  | 71.33  | 67.93  | 64.84  | 62.02  | 59.44  | 57.06  | 54.87  | 52.83  | 50.95 | 49.19 | 47.55 | 46.02 | 44.58 | 43.23 | 41.96 | 40.76 | 39.63 |
| 88                                                                                                                                  | 72.21                    | 68.41  | 64.99  | 61.89  | 59.08  | 56.51  | 54.16  | 51.99  | 49.99  | 48.14  | 46.42 | 44.82 | 43.33 | 41.93 | 40.62 | 39.39 | 38.23 | 37.14 | 36.10 |
| 92                                                                                                                                  | 65.40                    | 61.96  | 58.86  | 56.06  | 53.51  | 51.19  | 49.05  | 47.09  | 45.28  | 43.60  | 42.05 | 40.60 | 39.24 | 37.98 | 36.79 | 35.67 | 34.63 | 33.64 | 32.70 |
| 96                                                                                                                                  | 57.56                    | 54.53  | 51.81  | 49.34  | 47.10  | 45.05  | 43.17  | 41.45  | 39.85  | 38.38  | 37.01 | 35.73 | 34.54 | 33.42 | 32.38 | 31.40 | 30.47 | 29.60 | 28.78 |
| 100                                                                                                                                 | 50.93                    | 48.25  | 45.84  | 43.65  | 41.67  | 39.86  | 38.20  | 36.67  | 35.26  | 33.95  | 32.74 | 31.61 | 30.56 | 29.57 | 28.65 | 27.78 | 26.96 | 26.19 | 25.46 |
| 104                                                                                                                                 | 45.28                    | 42.89  | 40.75  | 38.81  | 37.04  | 35.43  | 33.96  | 32.60  | 31.34  | 30.18  | 29.11 | 28.10 | 27.17 | 26.29 | 25.47 | 24.70 | 23.97 | 23.28 | 22.64 |
| 108                                                                                                                                 | 40.43                    | 38.30  | 36.39  | 34.65  | 33.08  | 31.64  | 30.32  | 29.11  | 27.99  | 26.95  | 25.99 | 25.09 | 24.26 | 23.47 | 22.74 | 22.05 | 21.40 | 20.79 | 20.21 |
| 112                                                                                                                                 | 36.25                    | 34.34  | 32.63  | 31.07  | 29.66  | 28.37  | 27.19  | 26.10  | 25.10  | 24.17  | 23.30 | 22.50 | 21.75 | 21.05 | 20.39 | 19.77 | 19.19 | 18.64 | 18.13 |
| 116                                                                                                                                 | 32.63                    | 30.91  | 29.37  | 27.97  | 26.70  | 25.53  | 24.47  | 23.49  | 22.59  | 21.75  | 20.98 | 20.25 | 19.58 | 18.95 | 18.35 | 17.80 | 17.27 | 16.78 | 16.31 |
| 120                                                                                                                                 | 29.47                    | 27.92  | 26.53  | 25.26  | 24.11  | 23.07  | 22.10  | 21.22  | 20.40  | 19.65  | 18.95 | 18.29 | 17.68 | 17.11 | 16.58 | 16.08 | 15.60 | 15.16 | -     |
| 124                                                                                                                                 | 26.71                    | 25.31  | 24.04  | 22.90  | 21.85  | 20.90  | 20.03  | 19.23  | 18.49  | 17.81  | 17.17 | 16.58 | 16.03 | 15.51 | 15.03 | -     | -     | -     | -     |
| 128                                                                                                                                 | 24.28                    | 23.01  | 21.86  | 20.82  | 19.87  | 19.01  | 18.21  | 17.49  | 16.81  | 16.19  | 15.61 | 15.07 | -     | -     | -     | -     | -     | -     | -     |
| 132                                                                                                                                 | 22.14                    | 20.98  | 19.93  | 18.98  | 18.12  | 17.33  | 16.61  | 15.94  | 15.33  | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 136                                                                                                                                 | 20.25                    | 19.18  | 18.22  | 17.35  | 16.57  | 15.84  | 15.18  | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 140                                                                                                                                 | 18.56                    | 17.58  | 16.70  | 15.91  | 15.19  | -      | -      | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 144                                                                                                                                 | 17.06                    | 16.16  | 15.35  | -      | -      | -      | -      | -      | -      | -      | -     | -     | -     | -     | -     | -     | -     | -     | -     |

THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 1/2, 2/2, 3/2, 5/2, 11/2, 12/2, 13/2, 15/2 FOR TWO WAY MULLIONS

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE,CMU, OR STEEL |                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                | W - TRIBUTARY WIDTH (IN) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|                                                                                                                                     | 36                       | 38     | 40     | 42     | 44     | 46     | 48     | 50     | 52     | 54     | 56     | 58     | 60     | 62     | 64     | 66     | 68    | 70    | 72    |
| 60                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21 | 94.44 | 91.81 |
| 64                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.96  | 96.83  | 93.90  | 91.14 | 88.53 | 86.07 |
| 68                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21  | 94.08  | 91.14  | 88.38  | 85.78 | 83.33 | 81.01 |
| 72                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.37  | 94.98  | 91.81  | 88.85  | 86.07  | 83.47 | 81.01 | 78.70 |
| 76                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.65  | 93.19  | 89.98  | 86.98  | 84.17  | 81.54  | 79.07  | 76.75 | 74.55 | 72.48 |
| 80                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.16  | 95.34  | 91.81  | 88.53  | 85.48  | 82.63  | 79.97  | 77.47  | 75.12  | 72.91 | 70.83 | 68.86 |
| 84                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.37  | 94.44  | 90.80  | 87.44  | 84.32  | 81.41  | 78.70  | 76.16  | 73.78  | 71.54  | 69.44 | 67.45 | 65.58 |
| 88                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 95.78  | 91.61  | 87.80  | 84.29  | 81.04  | 78.04  | 75.25  | 72.66  | 70.24  | 67.97  | 65.85  | 63.85  | 61.97 | 60.20 | 58.53 |
| 92                                                                                                                                  | 100.00                   | 97.06  | 92.20  | 87.81  | 83.82  | 80.18  | 76.84  | 73.76  | 70.93  | 68.30  | 65.86  | 63.59  | 61.47  | 59.49  | 57.63  | 55.88  | 54.24 | 52.69 | 51.22 |
| 96                                                                                                                                  | 90.17                    | 85.42  | 81.15  | 77.29  | 73.77  | 70.57  | 67.63  | 64.92  | 62.42  | 60.11  | 57.97  | 55.97  | 54.10  | 52.36  | 50.72  | 49.18  | 47.74 | 46.37 | 45.08 |
| 100                                                                                                                                 | 79.78                    | 75.58  | 71.80  | 68.38  | 65.27  | 62.43  | 59.83  | 57.44  | 55.23  | 53.18  | 51.28  | 49.52  | 47.87  | 46.32  | 44.87  | 43.51  | 42.23 | 41.03 | 39.89 |
| 104                                                                                                                                 | 70.92                    | 67.19  | 63.83  | 60.79  | 58.03  | 55.50  | 53.19  | 51.06  | 49.10  | 47.28  | 45.59  | 44.02  | 42.55  | 41.18  | 39.89  | 38.68  | 37.55 | 36.47 | 35.46 |
| 108                                                                                                                                 | 63.33                    | 60.00  | 57.00  | 54.28  | 51.81  | 49.56  | 47.50  | 45.60  | 43.84  | 42.22  | 40.71  | 39.31  | 38.00  | 36.77  | 35.62  | 34.54  | 33.53 | 32.57 | 31.66 |
| 112                                                                                                                                 | 56.78                    | 53.79  | 51.10  | 48.67  | 46.46  | 44.44  | 42.59  | 40.88  | 39.31  | 37.85  | 36.50  | 35.24  | 34.07  | 32.97  | 31.94  | 30.97  | 30.06 | 29.20 | 28.39 |
| 116                                                                                                                                 | 51.11                    | 48.42  | 46.00  | 43.81  | 41.82  | 40.00  | 38.33  | 36.80  | 35.38  | 34.07  | 32.86  | 31.72  | 30.67  | 29.68  | 28.75  | 27.88  | 27.06 | 26.28 | 25.55 |
| 120                                                                                                                                 | 46.17                    | 43.74  | 41.55  | 39.57  | 37.77  | 36.13  | 34.62  | 33.24  | 31.96  | 30.78  | 29.68  | 28.65  | 27.70  | 26.81  | 25.97  | 25.18  | 24.44 | 23.74 | 23.08 |
| 124                                                                                                                                 | 41.84                    | 39.64  | 37.66  | 35.86  | 34.23  | 32.75  | 31.38  | 30.13  | 28.97  | 27.89  | 26.90  | 25.97  | 25.10  | 24.29  | 23.54  | 22.82  | 22.15 | 21.52 | 20.92 |
| 128                                                                                                                                 | 38.04                    | 36.04  | 34.24  | 32.61  | 31.12  | 29.77  | 28.53  | 27.39  | 26.34  | 25.36  | 24.45  | 23.61  | 22.82  | 22.09  | 21.40  | 20.75  | 20.14 | 19.56 | 19.02 |
| 132                                                                                                                                 | 34.69                    | 32.86  | 31.22  | 29.73  | 28.38  | 27.15  | 26.01  | 24.97  | 24.01  | 23.12  | 22.30  | 21.53  | 20.81  | 20.14  | 19.51  | 18.92  | 18.36 | 17.84 | 17.34 |
| 136                                                                                                                                 | 31.71                    | 30.04  | 28.54  | 27.18  | 25.95  | 24.82  | 23.79  | 22.83  | 21.96  | 21.14  | 20.39  | 19.68  | 19.03  | 18.41  | 17.84  | 17.30  | 16.79 | 16.31 | 15.86 |
| 140                                                                                                                                 | 29.07                    | 27.54  | 26.17  | 24.92  | 23.79  | 22.75  | 21.80  | 20.93  | 20.13  | 19.38  | 18.69  | 18.05  | 17.44  | 16.88  | 16.35  | 15.86  | 15.39 | -     | -     |
| 144                                                                                                                                 | 26.72                    | 25.31  | 24.04  | 22.90  | 21.86  | 20.91  | 20.04  | 19.24  | 18.50  | 17.81  | 17.17  | 16.58  | 16.03  | 15.51  | 15.03  | -      | -     | -     | -     |

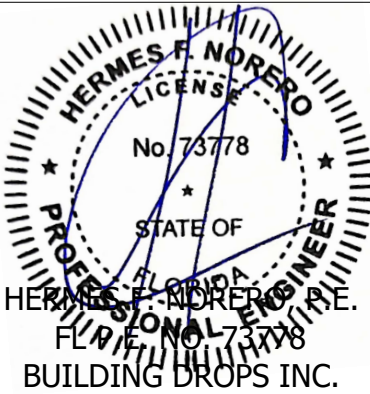
THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 6/2, 7/2, 8/2, 10/2 FOR TWO WAY MULLIONS



- NOTES:**
1. DIMENSION A & B ALWAYS TAKEN FROM MIDPOINT OF MULLION WIDTH
  2. α REPRESENTS SECTIONS 1 THROUGH 15 ON PAGE 2
  3. β REPRESENTS SECTIONS 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14 ON PAGE 2
  4. THE DESIGN PRESSURE OF THE COMBINATION UNIT IS THE THE LESSER VALUE BETWEEN THE MULLION SPAN RATING OR THE SUBUNIT RATINGS WHICH COMPRISE THE COMBINATION UNIT. SUBUNIT DESIGN PRESSURES HELD UNDER SEPARATE APPROVALS



Loewen Inc  
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| REVISIONS | Date        |  |  |  |
|-----------|-------------|--|--|--|
|           | By          |  |  |  |
|           | Description |  |  |  |
|           | Rev         |  |  |  |

|                                                                         |  |                 |  |
|-------------------------------------------------------------------------|--|-----------------|--|
| TITLE:<br>METAL CLAD 36PS<br>IMPACT MULLION<br>X-MULLION &<br>T-MULLION |  | PREPARED BY:    |  |
| DATE:<br>12/04/19                                                       |  | DRAWN BY:<br>JC |  |
| SCALE:<br>NTS                                                           |  | CHECKED BY:     |  |

DWG #  
**36-IMP\_CM-1912-7**  
SHEET:  
**7 OF 8**

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE,CMU, OR STEEL |                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                | W - TRIBUTARY WIDTH (IN) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|                                                                                                                                     | 36                       | 38     | 40     | 42     | 44     | 46     | 48     | 50     | 52     | 54     | 56     | 58     | 60     | 62     | 64     | 66     | 68    | 70    | 72    |
| 60                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21 | 94.44 | 91.81 |
| 64                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.96  | 96.83  | 93.90  | 91.14 | 88.53 | 86.07 |
| 68                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21  | 94.08  | 91.14  | 88.38  | 85.78 | 83.33 | 81.01 |
| 72                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.37  | 94.98  | 91.81  | 88.85  | 86.07  | 83.47  | 81.01 | 78.70 | 76.51 |
| 76                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.65  | 93.19  | 89.98  | 86.98  | 84.17  | 81.54  | 79.07  | 76.75 | 74.55 | 72.48 |
| 80                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.16  | 95.34  | 91.81  | 88.53  | 85.48  | 82.63  | 79.97  | 77.47  | 75.12 | 72.91 | 70.83 |
| 84                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.37  | 94.44  | 90.80  | 87.44  | 84.32  | 81.41  | 78.70  | 76.16  | 73.78  | 71.54  | 69.44 | 67.45 | 65.58 |
| 88                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 96.65  | 92.63  | 88.92  | 85.50  | 82.34  | 79.39  | 76.66  | 74.10  | 71.71  | 69.47  | 67.37  | 65.38 | 63.52 | 61.75 |
| 92                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 96.85  | 92.45  | 88.43  | 84.75  | 81.36  | 78.23  | 75.33  | 72.64  | 70.14  | 67.80  | 65.61  | 63.56  | 61.63  | 59.82 | 58.11 | 56.50 |
| 96                                                                                                                                  | 100.00                   | 98.31  | 93.40  | 88.95  | 84.91  | 81.22  | 77.83  | 74.72  | 71.85  | 69.18  | 66.71  | 64.41  | 62.27  | 60.26  | 58.37  | 56.61  | 54.94 | 53.37 | 51.89 |
| 100                                                                                                                                 | 95.64                    | 90.61  | 86.08  | 81.98  | 78.25  | 74.85  | 71.73  | 68.86  | 66.21  | 63.76  | 61.48  | 59.36  | 57.38  | 55.53  | 53.80  | 52.17  | 50.63 | 49.19 | 47.82 |
| 104                                                                                                                                 | 88.43                    | 83.77  | 79.58  | 75.79  | 72.35  | 69.20  | 66.32  | 63.67  | 61.22  | 58.95  | 56.84  | 54.88  | 53.06  | 51.34  | 49.74  | 48.23  | 46.81 | 45.48 | 44.21 |
| 108                                                                                                                                 | 82.00                    | 77.68  | 73.80  | 70.28  | 67.09  | 64.17  | 61.50  | 59.04  | 56.77  | 54.66  | 52.71  | 50.89  | 49.20  | 47.61  | 46.12  | 44.73  | 43.41 | 42.17 | 41.00 |
| 112                                                                                                                                 | 76.24                    | 72.23  | 68.62  | 65.35  | 62.38  | 59.67  | 57.18  | 54.90  | 52.78  | 50.83  | 49.01  | 47.32  | 45.75  | 44.27  | 42.89  | 41.59  | 40.36 | 39.21 | 38.12 |
| 116                                                                                                                                 | 71.08                    | 67.34  | 63.97  | 60.92  | 58.15  | 55.63  | 53.31  | 51.18  | 49.21  | 47.38  | 45.69  | 44.12  | 42.65  | 41.27  | 39.98  | 38.77  | 37.63 | 36.55 | 35.54 |
| 120                                                                                                                                 | 66.42                    | 62.92  | 59.78  | 56.93  | 54.34  | 51.98  | 49.81  | 47.82  | 45.98  | 44.28  | 42.70  | 41.22  | 39.85  | 38.56  | 37.36  | 36.23  | 35.16 | 34.16 | 33.21 |
| 124                                                                                                                                 | 61.28                    | 58.05  | 55.15  | 52.52  | 50.14  | 47.96  | 45.96  | 44.12  | 42.42  | 40.85  | 39.39  | 38.03  | 36.77  | 35.58  | 34.47  | 33.42  | 32.44 | 31.51 | 30.64 |
| 128                                                                                                                                 | 55.71                    | 52.78  | 50.14  | 47.75  | 45.58  | 43.60  | 41.78  | 40.11  | 38.57  | 37.14  | 35.81  | 34.58  | 33.43  | 32.35  | 31.34  | 30.39  | 29.49 | 28.65 | 27.86 |
| 132                                                                                                                                 | 50.80                    | 48.12  | 45.72  | 43.54  | 41.56  | 39.76  | 38.10  | 36.57  | 35.17  | 33.87  | 32.66  | 31.53  | 30.48  | 29.50  | 28.57  | 27.71  | 26.89 | 26.12 | 25.40 |
| 136                                                                                                                                 | 46.45                    | 44.00  | 41.80  | 39.81  | 38.00  | 36.35  | 34.83  | 33.44  | 32.16  | 30.96  | 29.86  | 28.83  | 27.87  | 26.97  | 26.13  | 25.33  | 24.59 | 23.89 | 23.22 |
| 140                                                                                                                                 | 42.58                    | 40.34  | 38.32  | 36.50  | 34.84  | 33.32  | 31.93  | 30.66  | 29.48  | 28.39  | 27.37  | 26.43  | 25.55  | 24.72  | 23.95  | 23.22  | 22.54 | 21.90 | 21.29 |
| 144                                                                                                                                 | 39.13                    | 37.07  | 35.21  | 33.54  | 32.01  | 30.62  | 29.35  | 28.17  | 27.09  | 26.09  | 25.15  | 24.29  | 23.48  | 22.72  | 22.01  | 21.34  | 20.71 | 20.12 | 19.56 |

THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 4/2, 14/2 FOR TWO WAY MULLIONS

| MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): ZERO MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE,CMU, OR STEEL |                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| L - MULL LENGTH (IN)                                                                                                                | W - TRIBUTARY WIDTH (IN) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|                                                                                                                                     | 36                       | 38     | 40     | 42     | 44     | 46     | 48     | 50     | 52     | 54     | 56     | 58     | 60     | 62     | 64     | 66     | 68    | 70    | 72    |
| 60                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21 | 94.44 | 91.81 |
| 64                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.96  | 96.83  | 93.90  | 91.14 | 88.53 | 86.07 |
| 68                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21  | 94.08  | 91.14  | 88.38  | 85.78 | 83.33 | 81.01 |
| 72                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.37  | 94.98  | 91.81  | 88.85  | 86.07  | 83.47  | 81.01 | 78.70 | 76.51 |
| 76                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.65  | 93.19  | 89.98  | 86.98  | 84.17  | 81.54  | 79.07  | 76.75 | 74.55 | 72.48 |
| 80                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.16  | 95.34  | 91.81  | 88.53  | 85.48  | 82.63  | 79.97  | 77.47  | 75.12  | 72.91 | 70.83 | 68.86 |
| 84                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.37  | 94.44  | 90.80  | 87.44  | 84.32  | 81.41  | 78.70  | 76.16  | 73.78  | 71.54  | 69.44 | 67.45 | 65.58 |
| 88                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 100.00 | 97.98  | 93.90  | 90.14  | 86.68  | 83.47  | 80.49  | 77.71  | 75.12  | 72.70  | 70.42  | 68.29  | 66.28 | 64.39 | 62.60 |
| 92                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 100.00 | 97.98  | 93.72  | 89.82  | 86.22  | 82.91  | 79.84  | 76.99  | 74.33  | 71.85  | 69.54  | 67.36  | 65.32  | 63.40 | 61.59 | 59.88 |
| 96                                                                                                                                  | 100.00                   | 100.00 | 100.00 | 98.37  | 93.90  | 89.82  | 86.07  | 82.63  | 79.45  | 76.51  | 73.78  | 71.23  | 68.86  | 66.64  | 64.56  | 62.60  | 60.76 | 59.02 | 57.38 |
| 100                                                                                                                                 | 100.00                   | 100.00 | 99.16  | 94.44  | 90.14  | 86.22  | 82.63  | 79.33  | 76.28  | 73.45  | 70.83  | 68.38  | 66.11  | 63.97  | 61.97  | 60.10  | 58.33 | 56.66 | 55.09 |
| 104                                                                                                                                 | 100.00                   | 100.00 | 95.34  | 90.80  | 86.68  | 82.91  | 79.45  | 76.28  | 73.34  | 70.63  | 68.10  | 65.75  | 63.56  | 61.51  | 59.59  | 57.78  | 56.08 | 54.48 | 52.97 |
| 108                                                                                                                                 | 100.00                   | 96.65  | 91.81  | 87.44  | 83.47  | 79.84  | 76.51  | 73.45  | 70.63  | 68.01  | 65.58  | 63.32  | 61.21  | 59.23  | 57.38  | 55.64  | 54.01 | 52.46 | 51.01 |
| 112                                                                                                                                 | 98.37                    | 93.19  | 88.53  | 84.32  | 80.49  | 76.99  | 73.78  | 70.83  | 68.10  | 65.58  | 63.24  | 61.06  | 59.02  | 57.12  | 55.33  | 53.66  | 52.08 | 50.59 | 49.19 |
| 116                                                                                                                                 | 94.98                    | 89.98  | 85.48  | 81.41  | 77.71  | 74.33  | 71.23  | 68.38  | 65.75  | 63.32  | 61.06  | 58.95  | 56.99  | 55.15  | 53.43  | 51.81  | 50.28 | 48.85 | 47.49 |
| 120                                                                                                                                 | 91.81                    | 86.98  | 82.63  | 78.70  | 75.12  | 71.85  | 68.86  | 66.11  | 63.56  | 61.21  | 59.02  | 56.99  | 55.09  | 53.31  | 51.64  | 50.08  | 48.61 | 47.22 | 45.91 |
| 124                                                                                                                                 | 88.85                    | 84.17  | 79.97  | 76.16  | 72.70  | 69.54  | 66.64  | 63.97  | 61.51  | 59.23  | 57.12  | 55.15  | 53.31  | 51.59  | 49.98  | 48.46  | 47.04 | 45.69 | 44.43 |
| 128                                                                                                                                 | 86.07                    | 81.54  | 77.47  | 73.78  | 70.42  | 67.36  | 64.56  | 61.97  | 59.59  | 57.38  | 55.33  | 53.43  | 51.64  | 49.98  | 48.42  | 46.95  | 45.57 | 44.27 | 43.04 |
| 132                                                                                                                                 | 83.47                    | 79.07  | 75.12  | 71.54  | 68.29  | 65.32  | 62.60  | 60.10  | 57.78  | 55.64  | 53.66  | 51.81  | 50.08  | 48.46  | 46.95  | 45.53  | 44.19 | 42.93 | 41.73 |
| 136                                                                                                                                 | 77.99                    | 73.89  | 70.19  | 66.85  | 63.81  | 61.04  | 58.49  | 56.16  | 54.00  | 52.00  | 50.14  | 48.41  | 46.80  | 45.29  | 43.87  | 42.54  | 41.29 | 40.11 | 39.00 |
| 140                                                                                                                                 | 71.50                    | 67.73  | 64.35  | 61.28  | 58.50  | 55.95  | 53.62  | 51.48  | 49.50  | 47.66  | 45.96  | 44.38  | 42.90  | 41.51  | 40.22  | 39.00  | 37.85 | 36.77 | 35.75 |
| 144                                                                                                                                 | 65.70                    | 62.25  | 59.13  | 56.32  | 53.76  | 51.42  | 49.28  | 47.31  | 45.49  | 43.80  | 42.24  | 40.78  | 39.42  | 38.15  | 36.96  | 35.84  | 34.78 | 33.79 | 32.85 |

THE ABOVE CHART IS APPLICABLE TO MULLION SECTION 9/2 FOR TWO WAY MULLIONS

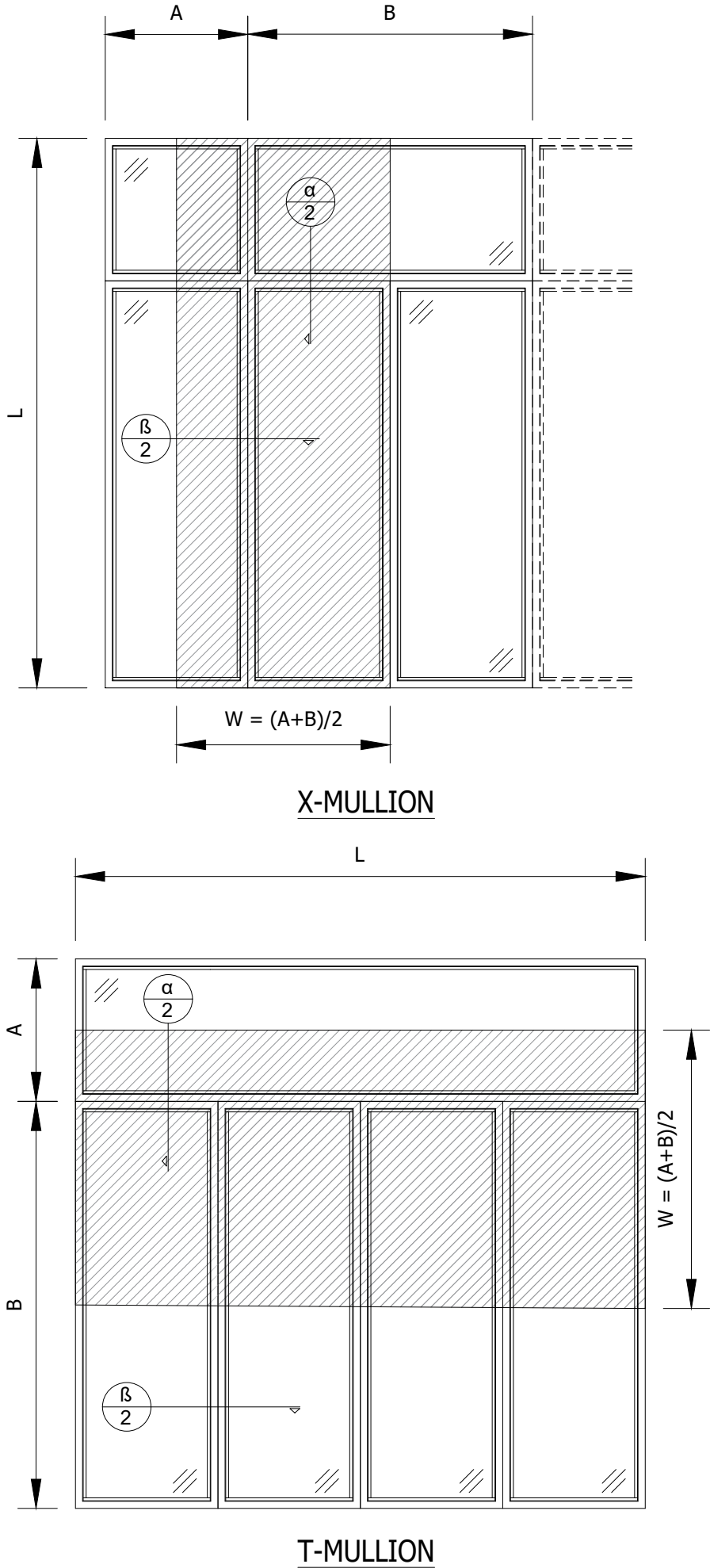
- NOTES:
1.

DIMENSION A & B ALWAYS TAKEN FROM MIDPOINT OF MULLION WIDTH
2.

α REPRESENTS SECTIONS 1 THROUGH 15 ON PAGE 2
3.

β REPRESENTS SECTIONS 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14 ON PAGE 2
4.

THE DESIGN PRESSURE OF THE COMBINATION UNIT IS THE THE LESSER VALUE BETWEEN THE MULLION SPAN RATING OR THE SUBUNIT RATINGS WHICH COMPRISE THE COMBINATION UNIT. SUBUNIT DESIGN PRESSURES HELD UNDER SEPARATE APPROVALS



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REVISIONS

Date

By

Description

Rev

TITLE:

METAL CLAD 36PS  
IMPACT MULLION  
X-MULLION &  
T-MULLION

DATE:

12/04/19

SCALE:

NTS

PREPARED BY:

DRAWN BY:

JC

CHECKED BY:

DWG #

36-IMP\_CM-1912-8

SHEET:

8 OF 8