

# QUAKER WINDOWS AND DOORS

## SERIES I200 MULLIONS

### (WZ3)(IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 1X BUCKING, SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - STEEL - MINIMUM WALL THICKNESS OF 63 MILS (16 GA.), A36 STEEL MIN.
  - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5 MIN.)
  - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:.
  - FLORIDA BUILDING CODE SECTION 1709.8
- ADEQUACY OF THE EXISTING STRUCTURAL 2X AND METAL STUD 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.
- 1X AND 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
- MULLION MATERIAL: ALUMINUM 6063-T6 & WOOD
- IN ACCORDANCE WITH THE CURRENT EDITION FBC, DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED FROM GALVANIC CORROSION.
- MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATION:
  - "ONE-WAY" - RIBBON OR STACKED MULLIONS
  - "TWO-WAY" - 'X' OR 'T' MULLIONS

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|                                            |
|--------------------------------------------|
| MISSILE IMPACT RATING                      |
| LARGE AND SMALL MISSILE IMPACT RATED (WZ3) |

MULLING INSTRUCTIONS:

- STEP 1: ESTABLISH MULL ASSEMBLY TYPE AND MULL CONFIGURATION.
- STEP 2: VERIFY MULL ASSEMBLY CONSTRUCTION FROM SHEET 2.
- STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE, REFER TO SHEETS 5-9.
- STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS & DETAILS SHOWN ON SHEETS 3 AND 4.



PO BOX 128  
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FREEBURG, MO 65035  
PH: (573) 744-5211 FX:(573) 744-5822

TITLE: SERIES I200 MULLIONS (WZ3) (IMPACT)

GENERAL NOTES AND INSTALLATION NOTES

PREPARED BY: BUILDING DROPS, INC.

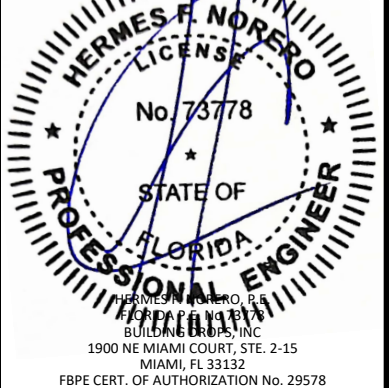
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
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| REMARKS          | BY | DATE     |
|------------------|----|----------|
| ANCHOR REVISIONS | SH | 05.26.26 |
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Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2026.06.04 12:45:31 -0400



FL #: FL47848

DATE: 01.14.2026

DWG. BY: DB  
CHK. BY: HFN

SCALE: NTS

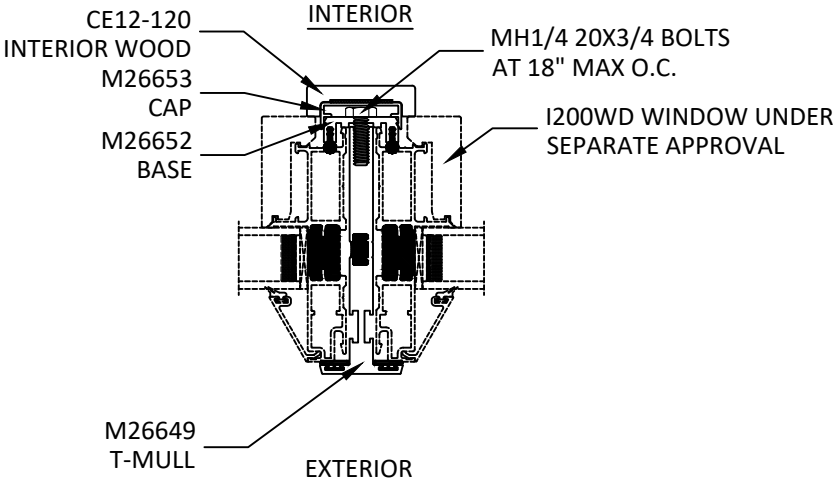
DWG. #: QWP058

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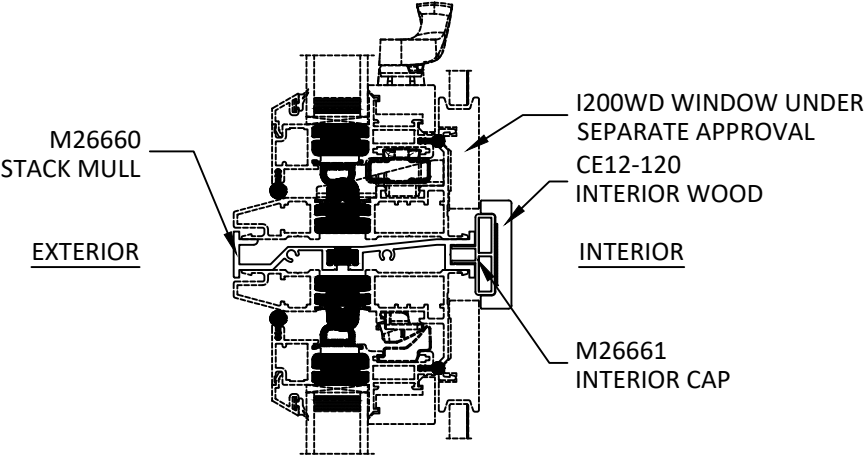
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OF 9

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**A**  
**2** **T-MULL M26649**  
VERTICAL OR HORIZONTAL MULL  
I200WD WINDOWS



**B**  
**2** **STACK MULL M26660**  
HORIZONTAL MULL  
I200WD WINDOWS



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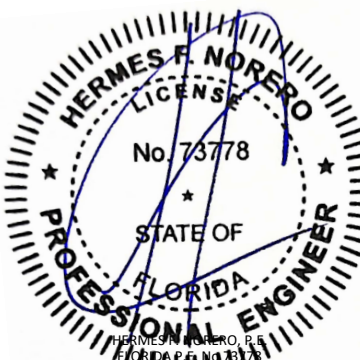
**TITLE:**  
SERIES I200 MULLIONS  
(WZ3) (IMPACT)  
MULLION ASSEMBLY  
SECTIONS

**PREPARED BY:**  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
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HERMES F. NORERO, P.E.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

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| DWG. BY:<br><b>DB</b> | CHK. BY:<br><b>HFN</b> |
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SCALE: **NTS**

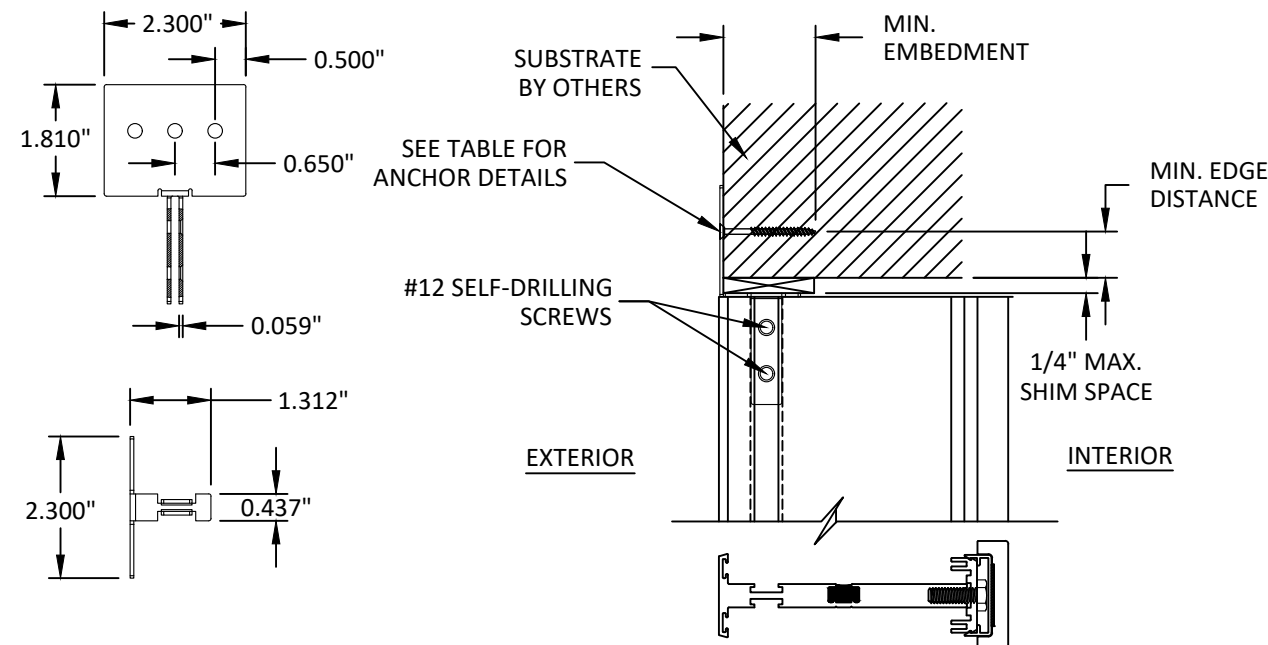
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SHEET:

**2**

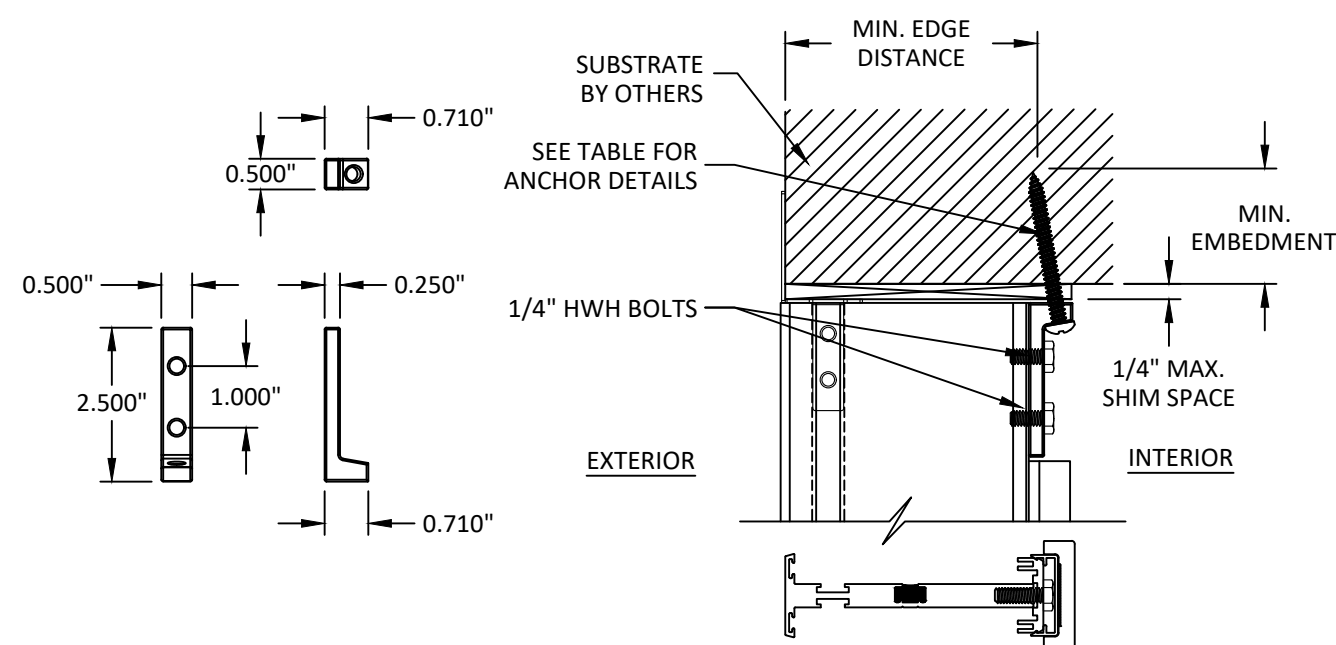
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# CLIP/END DAM INSTALLATION - FOR NAIL-FIN APPLICATIONS

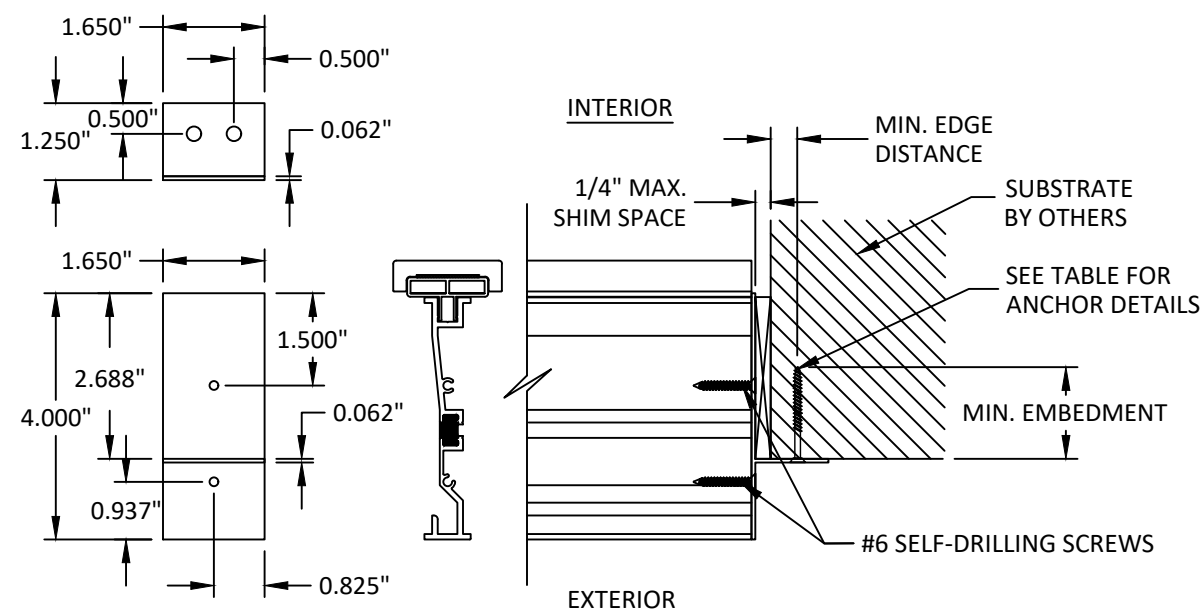


**A**  
**3** **INSTALLATION DETAIL**  
**EXTERIOR CLIP 5235SS (HEAD SHOWN)**  
**T-MULL M26649**

NOTE: HEAD SHOWN, JAMB AND  
SILL INSTALLATION SIMILAR ONLY  
FOR DETAILS A/3 AND B/3.



**B**  
**3** **INSTALLATION DETAIL**  
**W/INTERIOR CLIP 081925 (HEAD SHOWN)**  
**T-MULL M26649**



**C**  
**3** **INSTALLATION DETAIL**  
**END DAM M26664 (JAMB SHOWN)**  
**M26660**

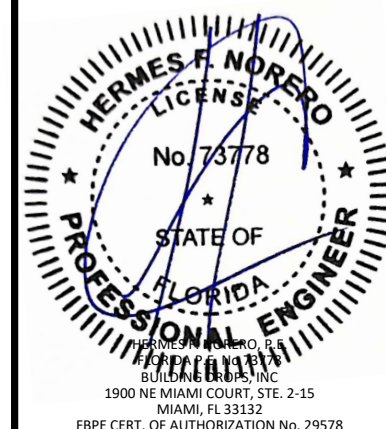
| ANCHOR SCHEDULE          |                                                                              |                             |                                                   |                    |
|--------------------------|------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|--------------------|
| METHOD                   | SUBSTRATE                                                                    | ANCHOR TYPE                 | MIN. EMBEDMENT                                    | MIN. EDGE DISTANCE |
| EXTERIOR CLIP<br>5235SS  | WOOD: MIN. SG = 0.55                                                         | #14 WOOD SCREW              | 1.50"                                             | 0.75"              |
|                          | METAL: 16 GAUGE STEEL,<br>MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN.,<br>6063-T5 | 1/4" SELF-DRILLING<br>SCREW | 3 THREADS MIN.<br>PENETRATION BEYOND<br>STRUCTURE | 0.50"              |
| INTERIOR CLIP<br>081925  | WOOD: MIN. SG = 0.55                                                         | #14 WOOD SCREW              | 1.50"                                             | 0.75"              |
|                          | METAL: 16 GAUGE STEEL,<br>MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN.,<br>6063-T5 | 1/4" SELF-DRILLING<br>SCREW | 3 THREADS MIN.<br>PENETRATION BEYOND<br>STRUCTURE | 0.50"              |
| STACK MULL<br>END M26664 | WOOD: MIN. SG = 0.55                                                         | #14 WOOD SCREW              | 1.50"                                             | 0.75"              |
|                          | METAL: 16 GAUGE STEEL,<br>MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN.,<br>6063-T5 | 1/4" SELF-DRILLING<br>SCREW | 3 THREADS MIN.<br>PENETRATION BEYOND<br>STRUCTURE | 0.50"              |

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TITLE: **SERIES 1200 MULLIONS  
(WZ3) (IMPACT)**  
CLIP/END DAM INSTALLATION DETAILS  
AND ANCHOR SCHEDULE  
PREPARED BY: **BUILDING DROPS, INC.**  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
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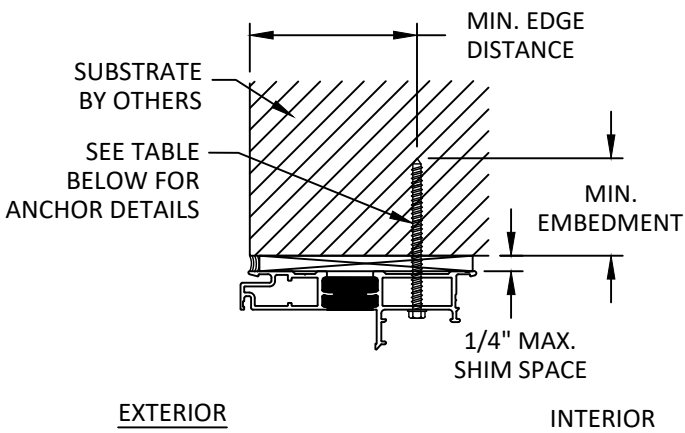


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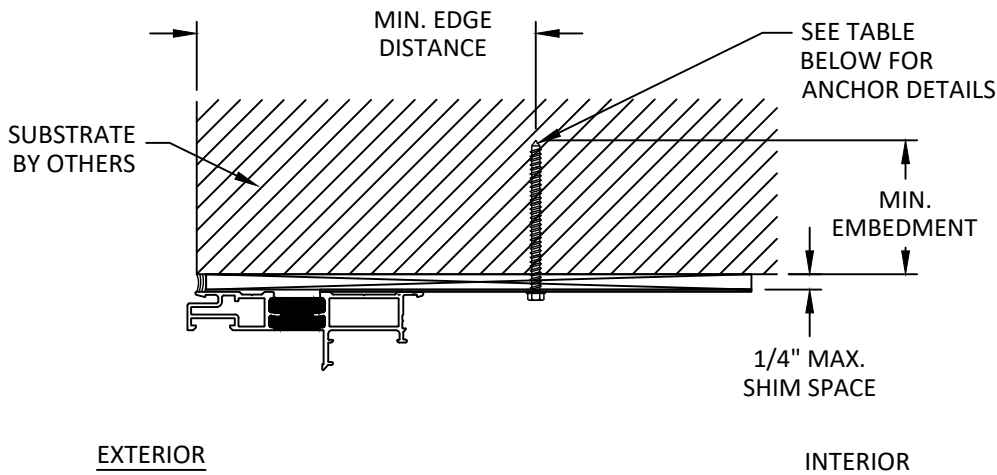
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OF 9

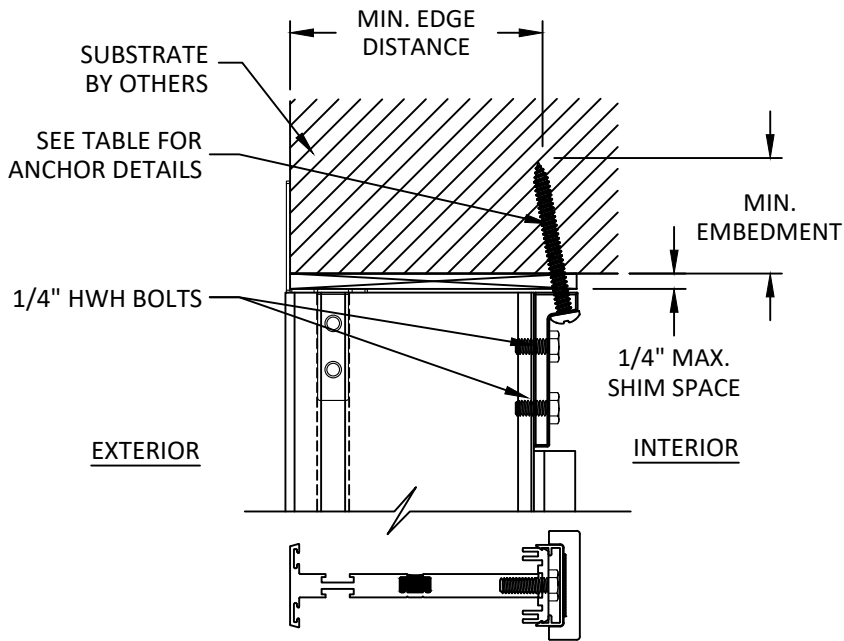
ANCHOR CLUSTER INSTALLATION - FOR THROUGH FRAME/STRAP APPLICATIONS



**A**  
**4** **INSTALLATION DETAIL**  
1200 - THROUGH FRAME (HEAD SHOWN)  
M26649 & M26660

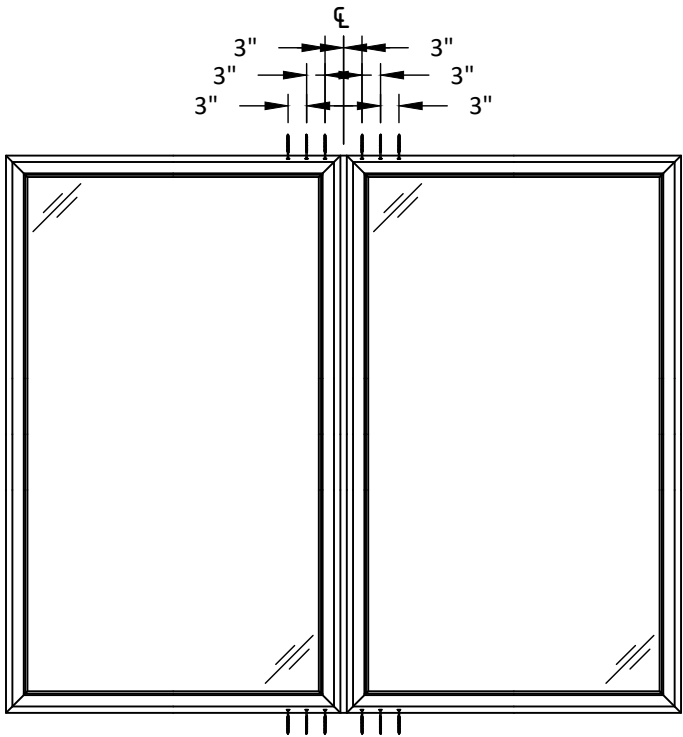


**B**  
**4** **INSTALLATION DETAIL**  
1200 - STRAP (HEAD SHOWN)  
M26649 & M26660



**C**  
**4** **INSTALLATION DETAIL**  
W/INTERIOR CLIP 081925 (HEAD SHOWN)  
T-MULL M26649

NOTE: HEAD SHOWN, JAMB AND  
SILL INSTALLATION SIMILAR.



**CLUSTER LAYOUT**  
VERTICAL MULLION SHOWN,  
HORIZONTAL MULLION SIM.

| ANCHOR SCHEDULE            |                                                                              |                             |                                                   |                    |
|----------------------------|------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|--------------------|
| METHOD                     | SUBSTRATE                                                                    | ANCHOR TYPE                 | MIN. EMBEDMENT                                    | MIN. EDGE DISTANCE |
| THROUGH<br>FRAME/<br>STRAP | WOOD: MIN. SG = 0.55                                                         | #10 WOOD SCREW              | 1.50"                                             | 0.75"              |
|                            | METAL: 16 GAUGE STEEL,<br>MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN.,<br>6063-T5 | #10 SELF-DRILLING<br>SCREW  | 3 THREADS MIN.<br>PENETRATION BEYOND<br>STRUCTURE | 0.50"              |
|                            | CONCRETE: f'c=3000 PSI MIN.                                                  | 3/16" ITW TAPCON            | 1.75"                                             | 2.25"              |
| INTERIOR<br>CLIP<br>081925 | WOOD: MIN. SG = 0.55                                                         | #14 WOOD SCREW              | 1.50"                                             | 0.75"              |
|                            | METAL: 16 GAUGE STEEL,<br>MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN.,<br>6063-T5 | 1/4" SELF-DRILLING<br>SCREW | 3 THREADS MIN.<br>PENETRATION BEYOND<br>STRUCTURE | 0.50"              |
|                            | CONCRETE: f'c=3000 PSI MIN.                                                  | 1/4" ITW TAPCON             | 1.75"                                             | 3.00"              |

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TITLE: **SERIES 1200 MULLIONS  
(WZ3) (IMPACT)**

ANCHOR CLUSTER INSTALLATION  
DETAILS AND ANCHOR SCHEDULE

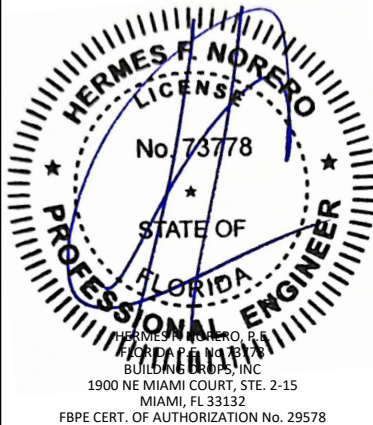
PREPARED BY: **BUILDING DROPS, INC.**

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DWG. BY: **DB** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **QWP058**

SHEET:

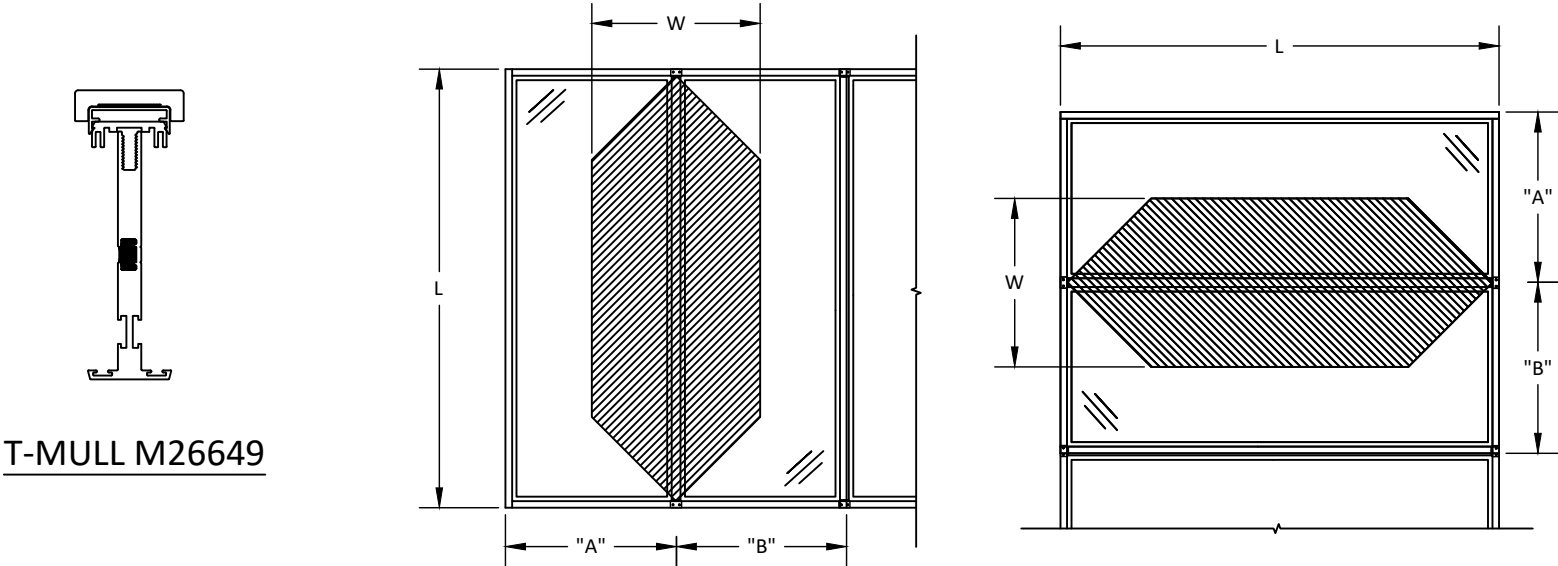
**4**

OF 9

T-MULL M26649: ONE-WAY MULLION ALLOWABLE DESIGN PRESSURE TABLE

| MULLION ALOWABLE DESIGN PRESSURE TABLE (PSF) |                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MULL LENGTH - L<br>(IN.)                     | TRIBUTARY WIDTH - W (IN.) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                              | 18                        | 24    | 30    | 36    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90    | 96    | 102   | 108   | 114   | 120   | 126   | 132   | 138   | 144   |
| 24                                           | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 30                                           | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36                                           | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 42                                           | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 48                                           | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 54                                           | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 145.4 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 | 143.6 |
| 60                                           | 150.0                     | 150.0 | 150.0 | 138.5 | 127.8 | 121.2 | 117.5 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 | 116.3 |
| 66                                           | 150.0                     | 150.0 | 136.8 | 121.2 | 110.8 | 103.9 | 99.4  | 96.9  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| 72                                           | 150.0                     | 145.4 | 122.4 | 107.7 | 97.7  | 90.9  | 86.2  | 83.1  | 81.3  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  |
| 78                                           | 150.0                     | 132.2 | 110.8 | 96.9  | 87.5  | 80.8  | 76.0  | 72.7  | 70.5  | 69.2  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  |
| 84                                           | 150.0                     | 121.2 | 101.1 | 88.1  | 79.1  | 72.7  | 68.0  | 64.6  | 62.2  | 60.6  | 59.7  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  |
| 90                                           | 143.6                     | 111.8 | 93.1  | 80.8  | 72.2  | 66.1  | 61.5  | 58.2  | 55.7  | 53.9  | 52.6  | 51.9  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  |
| 96                                           | 133.7                     | 103.9 | 86.2  | 74.6  | 66.5  | 60.6  | 56.2  | 52.9  | 50.4  | 48.5  | 47.1  | 46.2  | 45.6  | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  | 45.4  |
| 102                                          | 125.1                     | 96.9  | 80.2  | 69.2  | 61.5  | 55.9  | 51.7  | 48.5  | 46.0  | 44.1  | 42.6  | 41.5  | 40.8  | 40.4  | 40.2  | 40.2  | 40.2  | 40.2  | 40.2  | 40.2  | 40.2  | 40.2  |
| 108                                          | 117.5                     | 90.9  | 75.0  | 64.6  | 56.3  | 50.2  | 45.6  | 42.1  | 39.3  | 37.2  | 35.5  | 34.3  | 33.3  | 32.7  | 32.3  | 32.2  | 32.2  | 32.2  | 32.2  | 32.2  | 32.2  | 32.2  |
| 114                                          | 106.0                     | 80.2  | 64.8  | 54.7  | 47.6  | 42.4  | 38.4  | 35.3  | 32.9  | 31.0  | 29.5  | 28.3  | 27.4  | 26.7  | 26.3  | 26.0  | 25.9  | 25.9  | 25.9  | 25.9  | 25.9  | 25.9  |
| 120                                          | 90.8                      | 68.6  | 55.4  | 46.7  | 40.6  | 36.1  | 32.6  | 29.9  | 27.8  | 26.1  | 24.8  | 23.7  | 22.9  | 22.2  | 21.7  | 21.4  | 21.2  | 21.1  | 21.1  | 21.1  | 21.1  | 21.1  |
| 126                                          | 78.4                      | 59.2  | 47.7  | 40.2  | 34.9  | 31.0  | 28.0  | 25.6  | 23.8  | 22.3  | 21.0  | 20.1  | 19.3  | 18.7  | 18.2  | 17.8  | 17.6  | 17.4  | 17.4  | 17.4  | 17.4  | 17.4  |
| 132                                          | 68.1                      | 51.4  | 41.4  | 34.9  | 30.2  | 26.8  | 24.2  | 22.1  | 20.4  | 19.1  | 18.0  | 17.2  | 16.4  | 15.9  | 15.4  | 15.0  | -     | -     | -     | -     | -     | -     |
| 138                                          | 59.6                      | 44.9  | 36.2  | 30.4  | 26.3  | 23.3  | 21.0  | 19.2  | 17.7  | 16.6  | 15.6  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 144                                          | 52.4                      | 39.5  | 31.8  | 26.7  | 23.1  | 20.4  | 18.4  | 16.8  | 15.5  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |

- NOTE:
- MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
  - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
  - DEFLECTION HAS BEEN LIMITED TO L/175.
  - TRIBUTARY WIDTH =  $W = (A+B)/2$
  - REFER TO SHEETS 3 AND 4 FOR INSTALLATION DETAILS.
  - WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



T-MULL M26649

**QUAKER**  
COMMERCIAL  
PO BOX 128  
504 HIGHWAY 63 SOUTH  
FREEBURG, MO 65035  
PH: (573) 744-5211 FX:(573) 744-5822

TITLE:  
SERIES I200 MULLIONS  
(WZ3) (IMPACT)  
T-MULL M26649 ONE-WAY  
MULLION TABLE

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

| REMARKS          | BY | DATE     |
|------------------|----|----------|
| ANCHOR REVISIONS | SH | 05.26.26 |
|                  |    |          |
|                  |    |          |
|                  |    |          |

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FL #:  
**FL47848**

DATE: **01.14.2026**

DWG. BY: **DB**  
CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **QWP058**

SHEET:

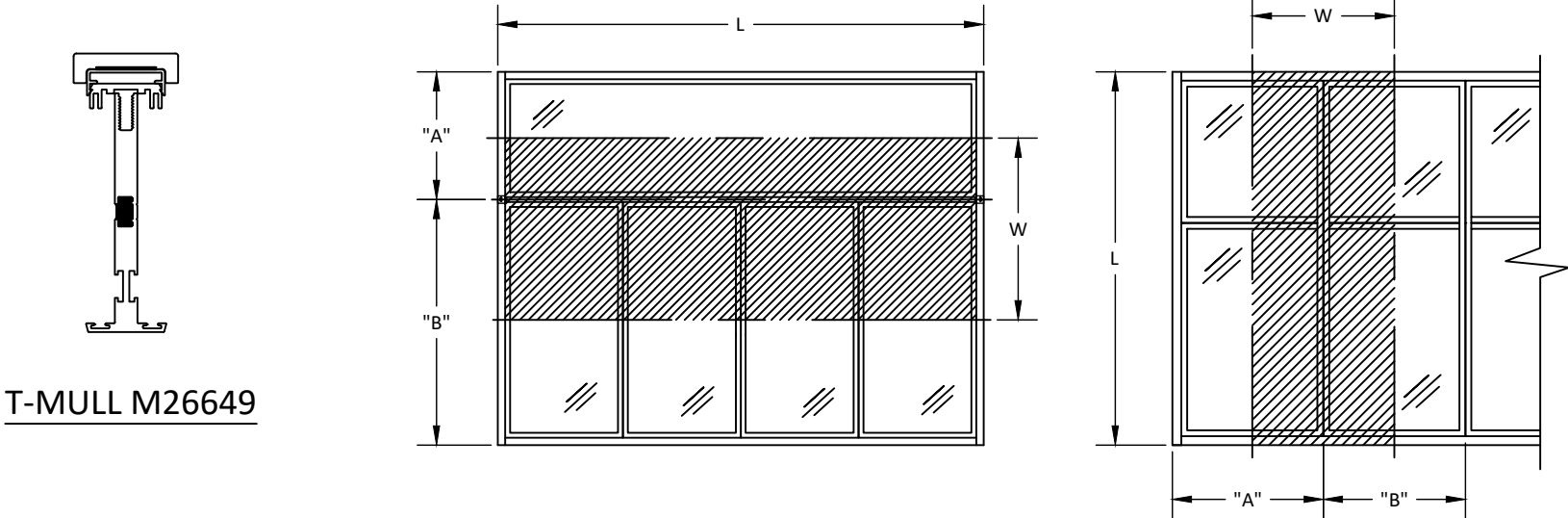
**5**

OF 9

T-MULL M26649: TWO-WAY MULLION ALLOWABLE DESIGN PRESSURE TABLE

| MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF) |                           |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| MULL LENGTH - L<br>(IN.)                      | TRIBUTARY WIDTH - W (IN.) |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |
|                                               | 18                        | 24    | 30    | 36    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90   | 96   | 102  | 108  | 114  | 120  | 126  | 132  | 138  | 144  |
| 24                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 145.4 | 132.2 | 121.2 | 111.8 | 103.9 | 96.9 | 90.9 | 85.5 | 80.8 | 76.5 | 72.7 | 69.2 | 66.1 | 63.2 | 60.6 |
| 30                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 145.4 | 129.2 | 116.3 | 105.7 | 96.9  | 89.5  | 83.1  | 77.5 | 72.7 | 68.4 | 64.6 | 61.2 | 58.2 | 55.4 | 52.9 | 50.6 | 48.5 |
| 36                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 138.5 | 121.2 | 107.7 | 96.9  | 88.1  | 80.8  | 74.6  | 69.2  | 64.6 | 60.6 | 57.0 | 53.9 | 51.0 | 48.5 | 46.2 | 44.1 | 42.1 | 40.4 |
| 42                                            | 150.0                     | 150.0 | 150.0 | 138.5 | 118.7 | 103.9 | 92.3  | 83.1  | 75.5  | 69.2  | 63.9  | 59.3  | 55.4 | 51.9 | 48.9 | 46.2 | 43.7 | 41.5 | 39.6 | 37.8 | 36.1 | 34.6 |
| 48                                            | 150.0                     | 150.0 | 145.4 | 121.2 | 103.9 | 90.9  | 80.8  | 72.7  | 66.1  | 60.6  | 55.9  | 51.9  | 48.5 | 45.4 | 42.8 | 40.4 | 38.3 | 36.4 | 34.6 | 33.0 | 31.6 | 30.3 |
| 54                                            | 150.0                     | 150.0 | 129.2 | 107.7 | 92.3  | 80.8  | 71.8  | 64.6  | 58.7  | 53.9  | 49.7  | 46.2  | 43.1 | 40.4 | 38.0 | 35.9 | 34.0 | 32.3 | 30.8 | 29.4 | 28.1 | 26.9 |
| 60                                            | 150.0                     | 145.4 | 116.3 | 96.9  | 83.1  | 72.7  | 64.6  | 58.2  | 52.9  | 48.5  | 44.7  | 41.5  | 38.8 | 36.4 | 34.2 | 32.3 | 30.6 | 29.1 | 27.7 | 26.4 | 25.3 | 24.2 |
| 66                                            | 150.0                     | 132.2 | 105.7 | 88.1  | 75.5  | 66.1  | 58.7  | 52.9  | 48.1  | 44.1  | 40.7  | 37.8  | 35.2 | 33.0 | 31.1 | 29.4 | 27.8 | 26.4 | 25.2 | 24.0 | 23.0 | 22.0 |
| 72                                            | 150.0                     | 121.2 | 96.9  | 80.8  | 69.2  | 60.6  | 53.9  | 48.5  | 44.1  | 40.4  | 37.3  | 34.6  | 32.3 | 30.3 | 28.5 | 26.9 | 25.5 | 24.2 | 23.1 | 22.0 | 21.1 | 20.2 |
| 78                                            | 149.1                     | 111.8 | 89.5  | 74.6  | 63.9  | 55.9  | 49.7  | 44.7  | 40.7  | 37.3  | 34.4  | 32.0  | 29.8 | 28.0 | 26.3 | 24.9 | 23.5 | 22.4 | 21.3 | 20.3 | 19.5 | 18.6 |
| 84                                            | 138.5                     | 103.9 | 83.1  | 69.2  | 59.3  | 51.9  | 46.2  | 41.5  | 37.8  | 34.6  | 32.0  | 29.7  | 27.7 | 26.0 | 24.4 | 23.1 | 21.9 | 20.8 | 19.8 | 18.9 | 18.1 | 17.3 |
| 90                                            | 129.2                     | 96.9  | 77.5  | 64.6  | 55.4  | 48.5  | 43.1  | 38.8  | 35.2  | 32.3  | 29.8  | 27.7  | 25.8 | 24.2 | 22.8 | 21.5 | 20.4 | 19.4 | 18.5 | 17.6 | 16.9 | 16.2 |
| 96                                            | 121.2                     | 90.9  | 72.7  | 60.6  | 51.9  | 45.4  | 40.4  | 36.4  | 33.0  | 30.3  | 28.0  | 26.0  | 24.2 | 22.7 | 21.4 | 20.2 | 19.1 | 18.2 | 17.3 | 16.5 | 15.8 | 15.1 |
| 102                                           | 114.0                     | 85.5  | 68.4  | 57.0  | 48.9  | 42.8  | 38.0  | 34.2  | 31.1  | 28.5  | 26.3  | 24.4  | 22.8 | 21.4 | 20.1 | 19.0 | 18.0 | 17.1 | 16.3 | 15.6 | -    | -    |
| 108                                           | 107.7                     | 80.8  | 64.6  | 53.9  | 46.2  | 40.4  | 35.9  | 32.3  | 29.4  | 26.9  | 24.9  | 23.1  | 21.5 | 20.2 | 19.0 | 18.0 | 17.0 | 16.2 | 15.4 | -    | -    | -    |
| 114                                           | 102.0                     | 76.5  | 61.2  | 51.0  | 43.7  | 38.3  | 34.0  | 30.6  | 27.8  | 25.5  | 23.5  | 21.9  | 20.4 | 19.1 | 18.0 | 17.0 | 16.1 | 15.3 | -    | -    | -    | -    |
| 120                                           | 90.1                      | 67.5  | 54.0  | 45.0  | 38.6  | 33.8  | 30.0  | 27.0  | 24.6  | 22.5  | 20.8  | 19.3  | 18.0 | 16.9 | 15.9 | 15.0 | -    | -    | -    | -    | -    | -    |
| 126                                           | 77.8                      | 58.3  | 46.7  | 38.9  | 33.3  | 29.2  | 25.9  | 23.3  | 21.2  | 19.4  | 18.0  | 16.7  | 15.6 | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 132                                           | 67.7                      | 50.7  | 40.6  | 33.8  | 29.0  | 25.4  | 22.6  | 20.3  | 18.5  | 16.9  | 15.6  | -     | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 138                                           | 59.2                      | 44.4  | 35.5  | 29.6  | 25.4  | 22.2  | 19.7  | 17.8  | 16.1  | -     | -     | -     | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 144                                           | 52.1                      | 39.1  | 31.3  | 26.1  | 22.3  | 19.5  | 17.4  | 15.6  | -     | -     | -     | -     | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |

- NOTE:
- MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN TWO-WAY, 'X' OR 'T', CONFIGURATIONS.
  - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
  - DEFLECTION HAS BEEN LIMITED TO L/175.
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T-MULL M26649

Q

QUAKER

COMMERCIAL

PO BOX 128

504 HIGHWAY 63 SOUTH

FREEBURG, MO 65035

PH: (573) 744-5211 FX:(573) 744-5822

TITLE:

SERIES I200 MULLIONS  
(WZ3) (IMPACT)

PREPARED BY:

BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com

T-MULL M26649 TWO-WAY  
MULLION TABLE

B.D.

BUILDING DROPS

| REMARKS          | BY | DATE     |
|------------------|----|----------|
| ANCHOR REVISIONS | SH | 05.26.26 |
|                  |    |          |
|                  |    |          |
|                  |    |          |

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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47848

DATE:

01.14.2026

DWG. BY:

DB

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

QWP058

SHEET:

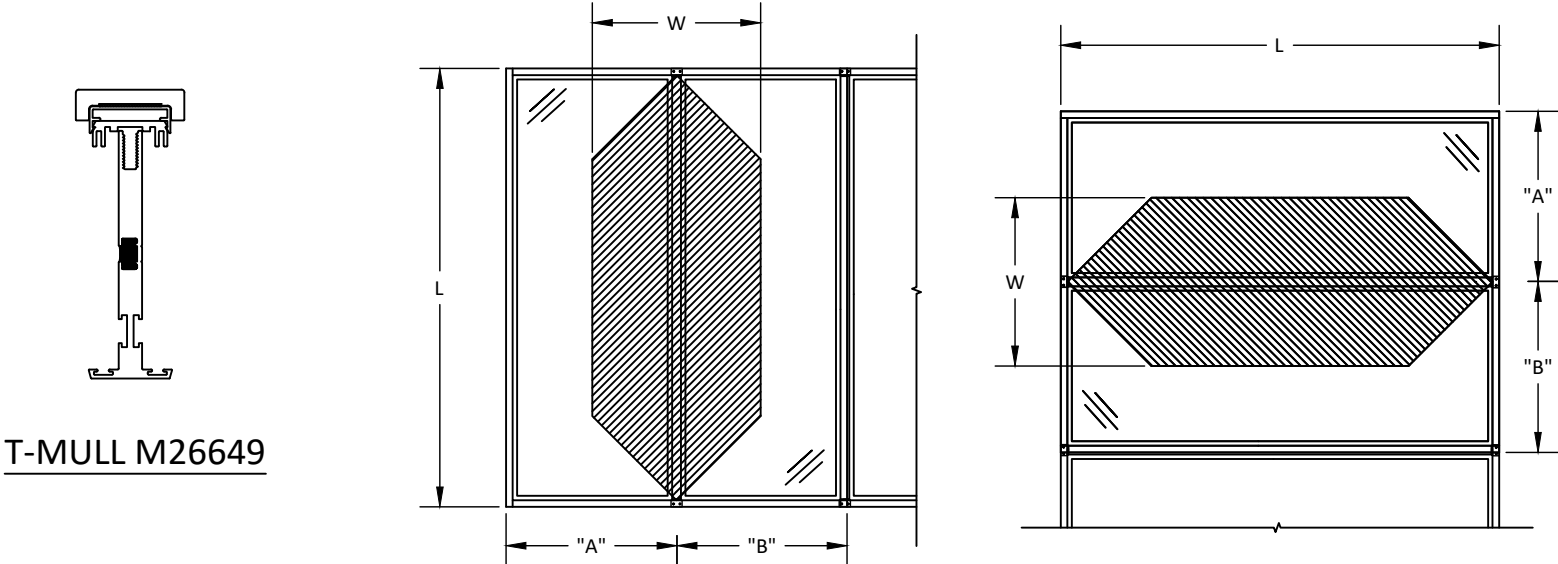
6

OF 9

T-MULL M26649 W/INTERIOR CLIP: ONE-WAY MULLION ALLOWABLE DESIGN PRESSURE TABLE

| MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF) |                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|-----------------------------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| MULL LENGTH - L<br>(IN.)                      | TRIBUTARY WIDTH - W (IN.) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|                                               | 18                        | 24    | 30    | 36    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90    | 96    | 102   | 108   | 114   | 120   | 126   | 132   | 138   | 144   |  |
| 24                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 30                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 36                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 42                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 48                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 54                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 60                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |  |
| 66                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 146.6 | 137.4 | 131.6 | 128.3 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 |  |
| 72                                            | 150.0                     | 150.0 | 150.0 | 142.5 | 129.3 | 120.3 | 114.0 | 109.9 | 107.6 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 |  |
| 78                                            | 150.0                     | 150.0 | 146.6 | 128.3 | 115.7 | 106.9 | 100.6 | 96.2  | 93.3  | 91.6  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  |  |
| 84                                            | 150.0                     | 150.0 | 133.8 | 116.6 | 104.7 | 96.2  | 90.0  | 85.5  | 82.3  | 80.2  | 78.9  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  |  |
| 90                                            | 150.0                     | 148.0 | 123.1 | 106.9 | 95.6  | 87.5  | 81.4  | 77.0  | 73.1  | 70.2  | 68.2  | 67.1  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |  |
| 96                                            | 150.0                     | 135.3 | 109.8 | 93.1  | 81.5  | 73.1  | 66.8  | 62.1  | 58.5  | 55.8  | 53.9  | 52.6  | 51.8  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  |  |
| 102                                           | 148.4                     | 112.4 | 91.1  | 77.1  | 67.4  | 60.2  | 54.9  | 50.8  | 47.6  | 45.2  | 43.4  | 42.1  | 41.2  | 40.6  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  | 40.4  |  |
| 108                                           | 124.8                     | 94.5  | 76.5  | 64.6  | 56.3  | 50.2  | 45.6  | 42.1  | 39.3  | 37.2  | 35.5  | 34.3  | 33.3  | 32.7  | 32.3  | 32.2  | 32.2  | 32.2  | 32.2  | 32.2  | 32.2  | 32.2  |  |
| 114                                           | 106.0                     | 80.2  | 64.8  | 54.7  | 47.6  | 42.4  | 38.4  | 35.3  | 32.9  | 31.0  | 29.5  | 28.3  | 27.4  | 26.7  | 26.3  | 26.0  | 25.9  | 25.9  | 25.9  | 25.9  | 25.9  | 25.9  |  |
| 120                                           | 90.8                      | 68.6  | 55.4  | 46.7  | 40.6  | 36.1  | 32.6  | 29.9  | 27.8  | 26.1  | 24.8  | 23.7  | 22.9  | 22.2  | 21.7  | 21.4  | 21.2  | 21.1  | 21.1  | 21.1  | 21.1  | 21.1  |  |
| 126                                           | 78.4                      | 59.2  | 47.7  | 40.2  | 34.9  | 31.0  | 28.0  | 25.6  | 23.8  | 22.3  | 21.0  | 20.1  | 19.3  | 18.7  | 18.2  | 17.8  | 17.6  | 17.4  | 17.4  | 17.4  | 17.4  | 17.4  |  |
| 132                                           | 68.1                      | 51.4  | 41.4  | 34.9  | 30.2  | 26.8  | 24.2  | 22.1  | 20.4  | 19.1  | 18.0  | 17.2  | 16.4  | 15.9  | 15.4  | 15.0  | -     | -     | -     | -     | -     | -     |  |
| 138                                           | 59.6                      | 44.9  | 36.2  | 30.4  | 26.3  | 23.3  | 21.0  | 19.2  | 17.7  | 16.6  | 15.6  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |  |
| 144                                           | 52.4                      | 39.5  | 31.8  | 26.7  | 23.1  | 20.4  | 18.4  | 16.8  | 15.5  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |  |

- NOTE:
- MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
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  - DEFLECTION HAS BEEN LIMITED TO L/175.
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T-MULL M26649

Q

QUAKER

COMMERCIAL

PO BOX 128

504 HIGHWAY 63 SOUTH

FREEBURG, MO 65035

PH: (573) 744-5211 FX:(573) 744-5822

TITLE:

SERIES I200 MULLIONS  
(WZ3) (IMPACT)

T-MULL M26649 ONE-WAY  
MULLION TABLE W/INTERIOR CLIP

PREPARED BY:

BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

B.D.

BUILDING DROPS

| REMARKS          | BY | DATE     |
|------------------|----|----------|
| ANCHOR REVISIONS | SH | 05.26.26 |
|                  |    |          |
|                  |    |          |
|                  |    |          |

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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47848

DATE:

01.14.2026

DWG. BY:

DB

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

QWP058

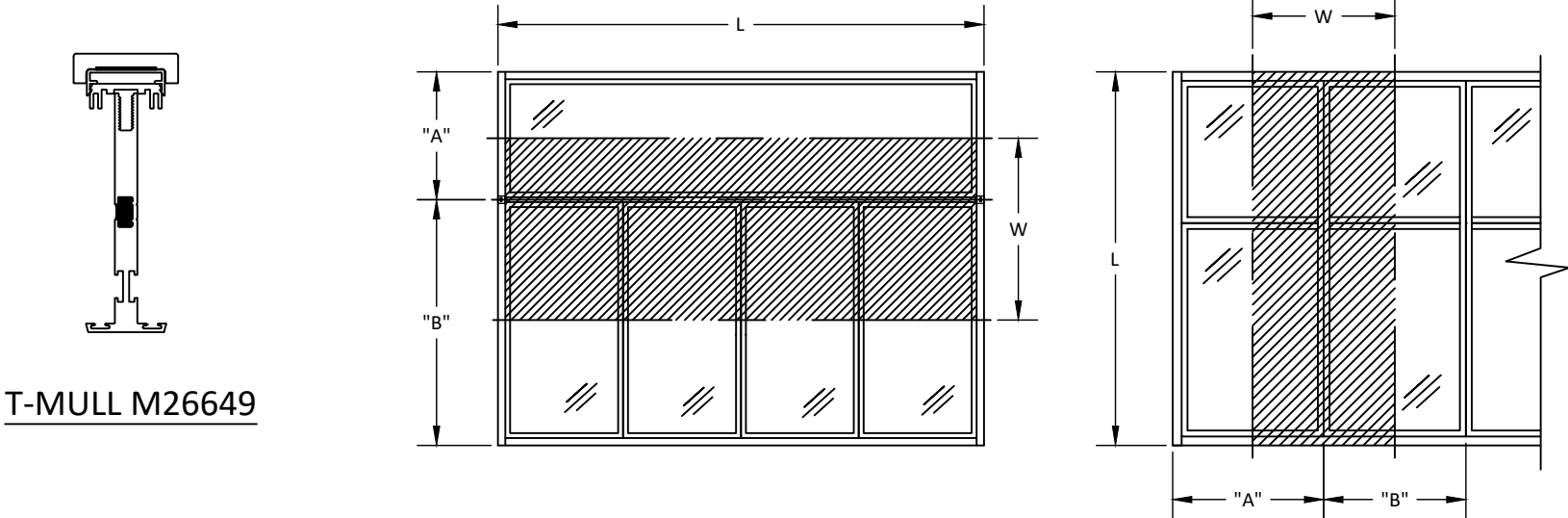
SHEET:

7

T-MULL M26649 W/INTERIOR CLIP: TWO-WAY MULLION ALLOWABLE DESIGN PRESSURE TABLE

| MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF) |                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |
|-----------------------------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| MULL LENGTH - L<br>(IN.)                      | TRIBUTARY WIDTH - W (IN.) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |
|                                               | 18                        | 24    | 30    | 36    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90    | 96    | 102   | 108   | 114   | 120  | 126  | 132  | 138  | 144  |
| 24                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 148.0 | 137.4 | 128.3 | 120.3 | 113.2 | 106.9 | 101.3 | 96.2 | 91.6 | 87.5 | 83.7 | 80.2 |
| 30                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 139.9 | 128.3 | 118.4 | 109.9 | 102.6 | 96.2  | 90.5  | 85.5  | 81.0  | 77.0 | 73.3 | 70.0 | 66.9 | 64.1 |
| 36                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 142.5 | 128.3 | 116.6 | 106.9 | 98.7  | 91.6  | 85.5  | 80.2  | 75.5  | 71.3  | 67.5  | 64.1 | 61.1 | 58.3 | 55.8 | 53.4 |
| 42                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 137.4 | 122.2 | 109.9 | 99.9  | 91.6  | 84.6  | 78.5  | 73.3  | 68.7  | 64.7  | 61.1  | 57.9  | 55.0 | 52.4 | 50.0 | 47.8 | 45.8 |
| 48                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 137.4 | 120.3 | 106.9 | 96.2  | 87.5  | 80.2  | 74.0  | 68.7  | 64.1  | 60.1  | 56.6  | 53.4  | 50.6  | 48.1 | 45.8 | 43.7 | 41.8 | 40.1 |
| 54                                            | 150.0                     | 150.0 | 150.0 | 142.5 | 122.2 | 106.9 | 95.0  | 85.5  | 77.7  | 71.3  | 65.8  | 61.1  | 57.0  | 53.4  | 50.3  | 47.5  | 45.0  | 42.8 | 40.7 | 38.9 | 37.2 | 35.6 |
| 60                                            | 150.0                     | 150.0 | 150.0 | 128.3 | 109.9 | 96.2  | 85.5  | 77.0  | 70.0  | 64.1  | 59.2  | 55.0  | 51.3  | 48.1  | 45.3  | 42.8  | 40.5  | 38.5 | 36.6 | 35.0 | 33.5 | 32.1 |
| 66                                            | 150.0                     | 150.0 | 139.9 | 116.6 | 99.9  | 87.5  | 77.7  | 70.0  | 63.6  | 58.3  | 53.8  | 50.0  | 46.6  | 43.7  | 41.2  | 38.9  | 36.8  | 35.0 | 33.3 | 31.8 | 30.4 | 29.2 |
| 72                                            | 150.0                     | 150.0 | 128.3 | 106.9 | 91.6  | 80.2  | 71.3  | 64.1  | 58.3  | 53.4  | 49.3  | 45.8  | 42.8  | 40.1  | 37.7  | 35.6  | 33.8  | 32.1 | 30.5 | 29.2 | 27.9 | 26.7 |
| 78                                            | 150.0                     | 148.0 | 118.4 | 98.7  | 84.6  | 74.0  | 65.8  | 59.2  | 53.8  | 49.3  | 45.5  | 42.3  | 39.5  | 37.0  | 34.8  | 32.9  | 31.2  | 29.6 | 28.2 | 26.9 | 25.7 | 24.7 |
| 84                                            | 150.0                     | 137.4 | 109.9 | 91.6  | 78.5  | 68.7  | 61.1  | 55.0  | 50.0  | 45.8  | 42.3  | 39.3  | 36.6  | 34.4  | 32.3  | 30.5  | 28.9  | 27.5 | 26.2 | 25.0 | 23.9 | 22.9 |
| 90                                            | 150.0                     | 128.3 | 102.6 | 85.5  | 73.3  | 64.1  | 57.0  | 51.3  | 46.6  | 42.8  | 39.5  | 36.6  | 34.2  | 32.1  | 30.2  | 28.5  | 27.0  | 25.7 | 24.4 | 23.3 | 22.3 | 21.4 |
| 96                                            | 150.0                     | 120.3 | 96.2  | 80.2  | 68.7  | 60.1  | 53.4  | 48.1  | 43.7  | 40.1  | 37.0  | 34.4  | 32.1  | 30.1  | 28.3  | 26.7  | 25.3  | 24.1 | 22.9 | 21.9 | 20.9 | 20.0 |
| 102                                           | 146.6                     | 110.0 | 88.0  | 73.3  | 62.8  | 55.0  | 48.9  | 44.0  | 40.0  | 36.7  | 33.8  | 31.4  | 29.3  | 27.5  | 25.9  | 24.4  | 23.2  | 22.0 | 20.9 | 20.0 | 19.1 | 18.3 |
| 108                                           | 123.5                     | 92.6  | 74.1  | 61.8  | 52.9  | 46.3  | 41.2  | 37.1  | 33.7  | 30.9  | 28.5  | 26.5  | 24.7  | 23.2  | 21.8  | 20.6  | 19.5  | 18.5 | 17.6 | 16.8 | 16.1 | 15.4 |
| 114                                           | 105.0                     | 78.8  | 63.0  | 52.5  | 45.0  | 39.4  | 35.0  | 31.5  | 28.6  | 26.3  | 24.2  | 22.5  | 21.0  | 19.7  | 18.5  | 17.5  | 16.6  | 15.8 | 15.0 | -    | -    | -    |
| 120                                           | 90.1                      | 67.5  | 54.0  | 45.0  | 38.6  | 33.8  | 30.0  | 27.0  | 24.6  | 22.5  | 20.8  | 19.3  | 18.0  | 16.9  | 15.9  | 15.0  | -     | -    | -    | -    | -    | -    |
| 126                                           | 77.8                      | 58.3  | 46.7  | 38.9  | 33.3  | 29.2  | 25.9  | 23.3  | 21.2  | 19.4  | 18.0  | 16.7  | 15.6  | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| 132                                           | 67.7                      | 50.7  | 40.6  | 33.8  | 29.0  | 25.4  | 22.6  | 20.3  | 18.5  | 16.9  | 15.6  | -     | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| 138                                           | 59.2                      | 44.4  | 35.5  | 29.6  | 25.4  | 22.2  | 19.7  | 17.8  | 16.1  | -     | -     | -     | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| 144                                           | 52.1                      | 39.1  | 31.3  | 26.1  | 22.3  | 19.5  | 17.4  | 15.6  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |

- NOTE:
- MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN TWO-WAY, 'X' OR 'T', CONFIGURATIONS.
  - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
  - DEFLECTION HAS BEEN LIMITED TO L/175.
  - TRIBUTARY WIDTH =  $W = (A+B)/2$
  - REFER TO SHEETS 3 AND 4 FOR INSTALLATION DETAILS.
  - WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



T-MULL M26649

Q

QUAKER

COMMERCIAL

PO BOX 128

504 HIGHWAY 63 SOUTH

FREEBURG, MO 65035

PH: (573) 744-5211 FX:(573) 744-5822

TITLE:

SERIES I200 MULLIONS  
(WZ3) (IMPACT)

T-MULL M26649 TWO-WAY  
MULLION TABLE W/INTERIOR CLIP

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

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FAX: (954)744-4738

WEB: www.buildingdrops.com

| REMARKS          | BY | DATE     |
|------------------|----|----------|
| ANCHOR REVISIONS | SH | 05.26.26 |
|                  |    |          |
|                  |    |          |
|                  |    |          |

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.

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47848

DATE:

01.14.2026

DWG. BY:

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CHK. BY:

HFN

SCALE:

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DWG. #:

QWP058

SHEET:

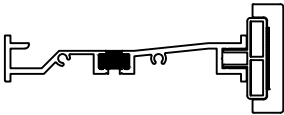
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OF 9

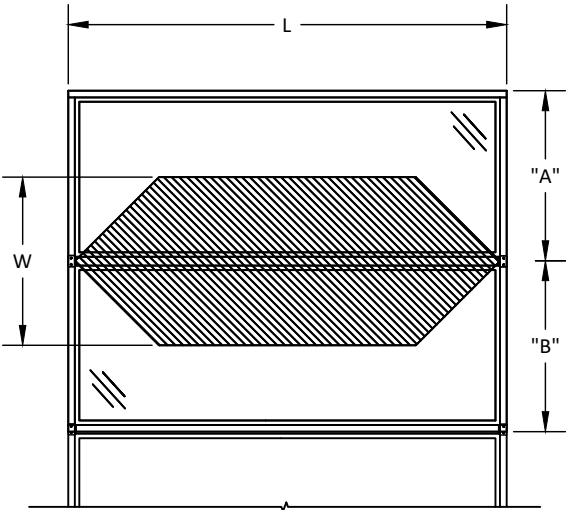
STACK MULL M26660: ONE-WAY MULLION ALLOWABLE DESIGN PRESSURE TABLE

| MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF) |                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MULL LENGTH - L<br>(IN.)                      | TRIBUTARY WIDTH - W (IN.) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                               | 18                        | 24    | 30    | 36    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90    | 96    | 102   | 108   | 114   | 120   | 126   | 132   | 138   | 144   |
| 24                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 30                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 36                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 42                                            | 150.0                     | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 48                                            | 150.0                     | 150.0 | 140.8 | 129.1 | 122.9 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 | 121.0 |
| 54                                            | 150.0                     | 138.3 | 119.1 | 107.6 | 100.6 | 96.8  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  |
| 60                                            | 150.0                     | 121.0 | 103.3 | 92.2  | 85.1  | 80.7  | 78.2  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  |
| 66                                            | 135.9                     | 107.6 | 91.1  | 80.7  | 73.8  | 69.1  | 66.2  | 64.5  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  |
| 72                                            | 122.9                     | 96.8  | 81.5  | 71.7  | 65.1  | 60.5  | 57.4  | 55.3  | 54.2  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  | 53.8  |
| 78                                            | 112.2                     | 88.0  | 73.8  | 64.5  | 58.2  | 53.8  | 50.6  | 48.4  | 46.9  | 46.1  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  | 45.8  |
| 84                                            | 103.3                     | 80.7  | 67.3  | 58.7  | 52.7  | 48.4  | 45.3  | 43.0  | 41.4  | 40.3  | 39.7  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  | 39.5  |
| 90                                            | 95.6                      | 74.5  | 62.0  | 53.8  | 48.1  | 44.0  | 41.0  | 38.7  | 37.1  | 35.9  | 35.0  | 34.6  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  |
| 96                                            | 89.0                      | 69.1  | 57.4  | 49.6  | 44.3  | 40.3  | 37.4  | 35.2  | 33.5  | 32.3  | 31.4  | 30.7  | 30.4  | 30.3  | 30.3  | 30.3  | 30.3  | 30.3  | 30.3  | 30.3  | 30.3  | 30.3  |
| 102                                           | 83.3                      | 64.5  | 53.4  | 46.1  | 41.0  | 37.2  | 34.1  | 31.5  | 29.6  | 28.1  | 26.9  | 26.1  | 25.6  | 25.2  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  |
| 108                                           | 77.5                      | 58.7  | 47.5  | 40.1  | 35.0  | 31.2  | 28.3  | 26.1  | 24.4  | 23.1  | 22.1  | 21.3  | 20.7  | 20.3  | 20.1  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  |
| 114                                           | 65.8                      | 49.8  | 40.2  | 34.0  | 29.6  | 26.3  | 23.8  | 21.9  | 20.4  | 19.2  | 18.3  | 17.6  | 17.0  | 16.6  | 16.3  | 16.2  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  |
| 120                                           | 56.4                      | 42.6  | 34.4  | 29.0  | 25.2  | 22.4  | 20.3  | 18.6  | 17.3  | 16.2  | 15.4  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 126                                           | 48.7                      | 36.7  | 29.6  | 25.0  | 21.7  | 19.2  | 17.4  | 15.9  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 132                                           | 42.3                      | 31.9  | 25.7  | 21.6  | 18.8  | 16.6  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 138                                           | 37.0                      | 27.9  | 22.5  | 18.9  | 16.4  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 144                                           | 32.5                      | 24.5  | 19.8  | 16.6  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |

- NOTE:
- MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
  - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
  - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
  - DEFLECTION HAS BEEN LIMITED TO L/175.
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STACK MULL M26660



Q

QUAKER

COMMERCIAL

PO BOX 128

504 HIGHWAY 63 SOUTH

FREEBURG, MO 65035

PH: (573) 744-5211 FX:(573) 744-5822

TITLE:

SERIES I200 MULLIONS  
(WZ3) (IMPACT)

STACK MULL M26660  
ONE-WAY MULLION TABLE

PREPARED BY:

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1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
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FAX: (954) 744-4738  
WEB: www.buildingdrops.com

B.D.

BUILDING DROPS

| REMARKS          | BY | DATE     |
|------------------|----|----------|
| ANCHOR REVISIONS | SH | 05.26.26 |
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|                  |    |          |

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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47848

DATE:

01.14.2026

DWG. BY:

DB

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

QWP058

SHEET:

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OF 9