Large-size concealed panels offer a monolithic visual with 100% downward accessibility.

**KEY SELECTION ATTRIBUTES**

- MetalWorks® Torsion Spring is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today.*
- Choose from a variety of standard panel sizes that install with pre-slotted standard 15/16” suspension system
- 48” x 48” panels are available as a premium option
- Interior panels feature swing-down accessibility
- For exterior applications, choose from 24 x 24 x 1-1/2” and 24 x 48 x 1-1/2” standard panel sizes
- Reflections™ laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum; visuals other than the ones shown are also available
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)

**COLOR SELECTION**

Due to printing limitations, shade may vary from actual product.

**MetalWorks™ – Interior and Exterior**

- Whitewash (WHA)
- Silverline (SLA)
- Gun Metal (KMA)
- Satin Anodized (SA9)
- Lacquer MLI (LM9)
- Brushline (BNA)

**MetalWorks – Interior Only**

- Mineral Forest (LMF)
- Walnut (LWN)
- Natural Maple (LNM)
- Rock Maple (LMR)
- Light Cherry (LIC)
- Dark Cherry (NDC)
- Arctic Maple (LMA)
- Natural Oak (LNO)
- Maple (LMP)
- Light Cherry (LCC)
- Dark Cherry (NDC)

**PERFORATION OPTIONS**

(1:2 scale shown)

**Painted and Laminate Perforations**

- M1 (Unperforated)
- M14 (Rg 3205)
- M15 (Rd 1612)
- M16 (Rd 1607)

**PureWood Perforation Options**

(1:2 scale shown)

- M1 (Unperforated)
- M14 (Rg 3205)
- M18 (Rd 3210)
### PHYSICAL DATA

**Material**
- Aluminum – thickness 0.049”
- Surface Finish: Reflections™ laminates: Vinyl-faced membrane
- Painted finishes: Factory-applied polyester paint
- Custom colors and finishes available.

**Fire Performance**
- Painted aluminum finishes tested per ASTM E84.
- Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
- Laminate and Purewood™ finishes tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

**ASTM E1264 Classification**
- Fire Class A – Painted
- Fire Class B – Laminates

**Acoustical Options**
- Perforated panels are supplied with a black fiberglass fleece to absorb sound.

**Recycled Content**
- Minimum 25%. Up to 80% recycled content available.

### DESIGN CONSIDERATIONS

Anodized and Lacquer Mill finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only. 30” x 30” panels have a directional finish that is perpendicular to the main beams; all other panel sizes have a directional finish that is parallel to the main beams. MetalWorks™ steel and aluminum panels are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

For PureWood finishes, variation among panels may occur due to the natural characteristics of the wood and grain.

### DESIGN SUPPORT

Project management assistance is available by calling TechLine customer support at 1 877 276-7876.

### PHYSICAL DATA

**Acoustical Information**

<table>
<thead>
<tr>
<th>Perforation</th>
<th>NRC with acoustical fleece</th>
<th>NRC with 1” fiberglass infill panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>0.55</td>
<td>0.85</td>
</tr>
<tr>
<td>M14</td>
<td>0.70</td>
<td>0.90</td>
</tr>
<tr>
<td>M15</td>
<td>0.70</td>
<td>0.80</td>
</tr>
<tr>
<td>M16</td>
<td>0.70</td>
<td>0.90</td>
</tr>
<tr>
<td>M17</td>
<td>0.75</td>
<td>0.90</td>
</tr>
<tr>
<td>M18</td>
<td>0.65</td>
<td>0.85</td>
</tr>
</tbody>
</table>

† Available for exterior applications

†† Maximum NRC achieved with acoustical infill (item 8200100 or 5823).

For infill panel information, refer to Pg. 156.

### EXAMPLE:

- **Panel Item**: 7209 M14 LMA
- **Perforation**: M14 Round Straight
- **Finish**: Lacquer Mill

---

**NOTE:** 48” x 48” panels are available as a premium option.
- When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7209 M 1 4 L M A).
- Light reflectance is for unperforated Whitelume.
- **Unperforated Whitelume light reflectance**
- **Perforated Whitelume light reflectance**
**HOW TO INSTALL PANELS**

1. **Step 1**
2. **Step 2**
3. **Step 3**

**INTERIOR INSTALLATION DETAILS** – For exterior details, consult the MetalWorks™ Exterior Torsion Spring installation instructions, BPLA-297922, on our web site.
INTERIOR WALL PERIMETER DETAILS – For exterior details, consult the MetalWorks™ Exterior Torsion Spring installation instructions, BPLA-297922, on our web site.

Installation Detail – Wall Perimeter

Installation Detail – Perimeter Trim (Formed Trim #7131)

Installation Detail – Perimeter Trim (Extruded Trim #7147)

Cut Panels

MW Standard Torsion Spring Perimeter Bulkhead Detail for Full Size Panels

MW Standard Torsion Spring Perimeter Bulkhead Detail for Field Cut Panels
## ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Color</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7125</td>
<td>Box Molding (for Laminates and PureWood®, Black is recommended)</td>
<td>2 x 96 x 1.5&quot;</td>
<td>WHA, SIA, MYA, SAA, LMA, BAA, BL</td>
<td>10</td>
</tr>
<tr>
<td>7147</td>
<td>Torsion Spring Perimeter Trim (Extruded) (for Laminates and PureWood, Black is recommended)</td>
<td>1 x 120 x 4&quot;</td>
<td>WH, SG, MY, BL*</td>
<td>6</td>
</tr>
<tr>
<td>7131</td>
<td>Torsion Spring Perimeter Trim (Formed)</td>
<td>1 x 96 x 4.25&quot;</td>
<td>LMA, BAA, SAA</td>
<td>6</td>
</tr>
<tr>
<td>7126</td>
<td>Spreader Hold Down</td>
<td>1 x 10-5/8 x 1-1/2&quot;</td>
<td>N/A</td>
<td>10</td>
</tr>
<tr>
<td>5823</td>
<td>BioAcoustic™ Infill Panel</td>
<td>24 x 24 x 5/8&quot;</td>
<td>Black</td>
<td>12</td>
</tr>
<tr>
<td>8200100</td>
<td>1&quot; Fiberglass Infill Bag</td>
<td>24 x 24 x 1&quot;</td>
<td>Black (Gloss)</td>
<td>12</td>
</tr>
<tr>
<td>7129</td>
<td>Torsion Spring Hook Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>7130</td>
<td>Torsion Spring Suction Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
</tbody>
</table>

* Coordinates with WHA, SIA, MYA Torsion Spring Panel finish

When specifying or ordering, include the appropriate color code with the item number (e.g. 7131 M A)

## SUSPENSION SYSTEMS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15/16&quot; Prelude® XL® Suspension System – Some items slotted for Torsion Spring. See below.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7301TS</td>
<td>Prelude XL 12' HD Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7341TS</td>
<td>Prelude XL 4’ Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7390TS</td>
<td>Prelude XL 6’ Cross Tee – slotted for Torsion Spring</td>
<td>72 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7378</td>
<td>Prelude XL 30” Cross Tee</td>
<td>30 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL8320</td>
<td>Prelude XL 2” Cross Tee</td>
<td>24 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7341</td>
<td>Prelude XL 4’ Cross Tee</td>
<td>48 x 15/16 x 1-11/16&quot;</td>
</tr>
</tbody>
</table>

Exterior Suspension System

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15/16&quot; Prelude XL – Some items slotted for Torsion Spring. See below.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7301G90ATS</td>
<td>Prelude XL 12’ HD Exterior Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7341G90ATS</td>
<td>Prelude XL 4’ Exterior Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7321G90A</td>
<td>Prelude XL 2’ Exterior Cross Tee</td>
<td>24 x 15/16 x 1-11/16&quot;</td>
</tr>
</tbody>
</table>