**Applications**
Hospitals, hospitality, retail, lobbies, department stores, galleries, residential high rise.

**Features**
- Heavy duty grid systems for drywall ceiling framing.
- Fire, seismic and flatness control.
- Reduces onsite labor.
- Eliminates black-iron and hat-channel.
- Reliable appearance and cost control.

**Benefits**
- Precise transition between acoustical and drywall ceilings.
- Sustainable: Minimum 25% post consumer recycled content, 100% locally recyclable, global/regional manufacture.

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**Product**

**Material:**
A. General
ASTM C 635 Heavy Duty (HD) furring runner classification; commercial quality 0.20 steel, hot-dip galvanized body and knurled face cap, 1-3/8" width, 1-1/2" height.

**Components:**
1. **Furring Runner:**
   Double web construction, 1-3/8" width, 1-1/2" height.
   - □ 650.00C (144", slots 8" OC, HD)

2. **Cross Channel:**
   Double web construction, 1-3/8" width, 7/8" height.
   - □ 634.00C (48", no slots)

3. **Furring Tees:**
   Double web construction, 1-3/8" width, 1-1/2" height.
   - □ 654.00C (48", no slots)
   - □ 674.00C (48", one slot at midpoint, override)

4. **Cross Tee:**
   Double web construction, 15/16" width, 1-1/2" height.
   - □ 1274.01H (48", three slots 12" OC)

5. **Wall Track:**
   Wall Track: (hemmed edge)
   - □ 1450.01 (144", 1-9/16" x 1")

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**Furring Runner/ Furring Tees**

Furring Runner/Furring Runner/Furring Runner/Furring Runner/Furring Runner/

Furring Tees/Furring Tees/Furring Tees/Furring Tees/Furring Tees/

**Cross Channel**

Cross Channel/Cross Channel/Cross Channel/Cross Channel/Cross Channel/

**Cross Tee**

Cross Tee/Cross Tee/Cross Tee/Cross Tee/Cross Tee/

**Wall Track**

Wall Track/Wall Track/Wall Track/Wall Track/Wall Track/
650 (Hook)/670 (Stab) Fire Rated Drywall Grid System

Fire Rated Assemblies

Hanger Positions for Fire Rated Situations

This illustrates hanger positions for single fixtures in a field. Refer to specific design numbers for allowable number of fixtures per square footage of ceiling area.

U.L.® Fire Resistant Designs

Floor and Ceiling Designs – Type 650

Roof and Ceiling Designs – Type 650


Component Load Test Data (based on 1/360 span deflection)

<table>
<thead>
<tr>
<th>Furring Runner</th>
<th>Length</th>
<th>Component Dimensions</th>
<th>Allowable Load</th>
<th>Hanger Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>650.00C</td>
<td>12'</td>
<td>1 3/8&quot; x 1 1/2&quot;</td>
<td>4.1*</td>
<td>Heavy Duty</td>
</tr>
<tr>
<td>634.00C</td>
<td>4'</td>
<td>1 3/8&quot; x 7/8&quot;</td>
<td>6.2*</td>
<td>8.2</td>
</tr>
<tr>
<td>654.00C</td>
<td>4'</td>
<td>1 3/8&quot; x 1 1/2&quot;</td>
<td>18.6</td>
<td></td>
</tr>
<tr>
<td>674.00C</td>
<td>4'</td>
<td>1 3/8&quot; x 1 1/2&quot;</td>
<td>18.6</td>
<td></td>
</tr>
<tr>
<td>Cross Tee</td>
<td>1274.01H</td>
<td>15/16&quot; x 1 1/2&quot;</td>
<td>16.7</td>
<td></td>
</tr>
</tbody>
</table>

To convert data into lb/ft², divide on center spacing of component into lb/ft.

Membrane Loading

Data is Pounds Per Square Foot (PSF)

<table>
<thead>
<tr>
<th>COMPONENT COMBINATION</th>
<th>HANGER WIRE / FURRING TEE SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>48&quot;/24&quot;</td>
</tr>
<tr>
<td>650.00C / 654.00C</td>
<td>4.1*</td>
</tr>
<tr>
<td>650.00C / 654.00C / 1274.01H</td>
<td>4.1*</td>
</tr>
<tr>
<td>650.00C / 674.00C</td>
<td>4.1*</td>
</tr>
<tr>
<td>650.00C / 674.00C / 1274.01H</td>
<td>4.1*</td>
</tr>
</tbody>
</table>

Membrane loading is not applicable when these components are used in a fire rated assembly. Consult U.L. Fire Resistance Directory for installation details. 48"/24" data is based on hanger wires installed within 4" of each furring runner fire expansion.