TOWERS

www.lambtonconveyor.com
ELEVATOR SUPPORT

Lambton offers you HUNDREDS of standard models of towers to meet your specific and unique needs.

STANDARD FEATURES

• Designed in accordance with the EIA/TIA & ASCE standards
• Designed using the latest in finite element analysis software by RISA Technologies
• Constructed of ASTM A-529 Grade 50 mill certified structural steel angle
• ASTM A-325 galvanized bolts, nuts, and locking devices used for all structural connections
• Steel is “hot dipped” galvanized in accordance with ASTM A-123 and ASTM A-153 standards
• Corothane I Mio-Aluminum coating available
• Bare steel with no coating
• Foundation designs available

SUPPORT TOWER

Full 180’ Base Structure

Diamond Bracing Provided For All Height Options

Top 40’ Option

10’2” Option

15’2” Option

Accessories

Diamond Bearing Provided For All Height Options

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www.allstatetower.com
(270) 830-8512
Henderson, KY.
TOWER STAIRS

Wrap Around

Switchback

Diamond Brace

OPTIONAL CUSTOMER FEATURES

- Can be designed for any wind speed or ice requirement
- Box tubing, pipe, or solid round legs available
- Tower mounted head service platforms
- Tower mounted distributor platforms
- Internal service platforms
- Tower Mounted climbing ladder systems
- Catwalks & Walk-Thru Truss systems
- Switchback & Wrap around stair systems
- Access bracing at customer specified locations available

For details go on www.lambtonconveyor.com or contact Lambton headquarters at +1 (519) 627 8228
**Light Series**: Supports Elevator, Head Service Platform and Ladder System

**Medium Series**: Supports Light Series Loading + Distributor and Spouting

**Heavy Series**: Supports Medium Series Loading + Catwalk/Walk Through Truss Loading

### Pulley Size Table

<table>
<thead>
<tr>
<th>Pulley Size (in.)</th>
<th>Face Size (ft.)</th>
<th>Typical Distributor</th>
<th>Spouting Length (ft.)</th>
<th>Est. Catwalk Elevation (ft.)</th>
<th>Wind &amp; Ice Requirements</th>
<th>Light Series - Available Heights / Weights (Kips)</th>
<th>Medium Series - Available Heights / Weights (Kips)</th>
<th>Heavy Series - Available Heights / Weights (Kips)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>6</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>Base Design # A-16P-06-H120-90 180' 100' 80' 60'</td>
<td>Base Design # A-16P-06-H120-90 180' 100' 80' 60'</td>
<td>Base Design # A-16P-10-H180-90 100' 80' 60' 40'</td>
</tr>
<tr>
<td>24</td>
<td>8</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-24P-08-L180-90 21.2 17.2 14.1 11.4 9.0 6.8 4.7</td>
<td>A-24P-08-M180-90 22.7 18.5 14.6 11.5 9.1 6.9 4.7</td>
<td>A-24P-10-H180-90 26.2 22.0 18.4 15.4 12.4 9.7 7.3</td>
</tr>
<tr>
<td>30</td>
<td>8</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-30P-08-L180-90 21.2 17.2 14.1 11.4 9.0 6.8 4.7</td>
<td>A-30P-08-M180-90 24.6 19.9 15.7 12.8 9.6 7.5 5.3</td>
<td>A-30P-10-H180-90 28.3 23.4 19.0 15.4 11.9 9.0 6.1</td>
</tr>
<tr>
<td>36</td>
<td>10</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-36P-10-L180-90 24.6 20.2 16.6 13.1 10.5 7.9 5.7</td>
<td>A-36P-10-M180-90 28.3 23.4 19.0 15.4 11.9 9.0 6.1</td>
<td>A-36P-12-H180-90 29.2 24.8 20.5 16.5 13.2 10.3 7.4</td>
</tr>
<tr>
<td>42</td>
<td>10</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-42P-10-L180-90 24.6 20.2 16.6 13.1 10.5 7.9 5.7</td>
<td>A-42P-10-M180-90 28.3 23.4 19.0 15.4 11.9 9.0 6.1</td>
<td>A-42P-12-M180-90 33.3 27.8 22.7 18.5 14.5 11.2 8.5</td>
</tr>
<tr>
<td>48</td>
<td>12</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-48P-12-L180-90 29.2 24.8 20.5 16.5 13.2 10.3 7.4</td>
<td>A-48P-12-M180-90 33.3 27.8 22.7 18.5 14.5 11.2 8.5</td>
<td>A-48P-14-M180-90 35.8 29.3 24.5 20.0 16.1 12.5 9.5</td>
</tr>
<tr>
<td>48 - 2R</td>
<td>12</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-48P2R-12-L180-90 29.2 24.8 20.5 16.5 13.2 10.3 7.4</td>
<td>A-48P3R-14-L180-90 33.8 28.4 23.9 19.3 15.4 12.2 9.5</td>
<td>A-48P3R-18-M180-90 45.9 39.5 33.1 27.0 21.6 17.2 13.7</td>
</tr>
<tr>
<td>48 - 3R</td>
<td>14</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>90 mph / 50 mph 1&quot; ice</td>
<td>A-48P3R-14-L180-90 33.8 28.4 23.9 19.3 15.4 12.2 9.5</td>
<td>A-48P3R-14-L180-90 33.8 28.4 23.9 19.3 15.4 12.2 9.5</td>
<td>A-48P3R-18-M180-90 45.9 39.5 33.1 27.0 21.6 17.2 13.7</td>
</tr>
</tbody>
</table>

### Design Standards

1.) Structures are designed in accordance with IBC 2009 Standards for a 90 mph 3-second peak gust with no ice and 50 mph w/1" ice; per ACSE 7-05, Exposure Category C, Importance Factor .87.
2.) Ice is considered to increase in thickness with height.
3.) Structures are also designed to meet IBC 2012 Standards for a 105 mph 3-second peak gust with no ice and 50 mph with 1" ice; per ASCE 7-10, Exposure Category C, Risk Category I.
4.) Special tower bracing may be required for catwalk/walk-thru truss support where applicable.

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**Our other range of products includes**

- Grain Bins
- Bucket Elevator
- Hopper Bins
- Catwalks
- Distributors
- Chain Conveyors

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All specifications and designs are subject to change without notice due to continuous product improvement.

[www.lambtonconveyor.com](http://www.lambtonconveyor.com)