Z Rail Aluminum and Steel Overhead Rail System

Parts Information

Save these Instructions
Safety Cable

I-Beam

Runway Rails

Bridge Rail

End & Adjustable Stop

Trolley

Air Supply

Note: Rail System shown is steel. Not all rail components used in this sample. Consult manual for more specific parts and/or other options.

(Dwg. MHP2177)
# RUNWAY AND BRIDGE - PARTS LIST

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(Dwg. MHP1533)
**BLOCK AND RIGID STANDARD HANGER - PARTS LIST**

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**Welded at factory.**

**NOTE 1:** Item 9 part number 30801-A may also be ordered in stainless steel material, order by number 30801-S.

**NOTE 2:** Refer to page 43 for Safety Cable Kits.

**NOTE 3:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.

† Item not illustrated.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Rail Model</th>
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<th>Flange Width</th>
<th>Orientation to Header Steel</th>
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* Rigid hangers cannot be used in parallel fashion.
BEAM HANGER - PARTS DRAWING

(Dwg. MHP1724)
## BEAM HANGER - PARTS LIST

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* Standard Hanger Kits will accommodate 2.5 in. to 5 in. (63.5 mm to 127 mm) flange width. Wide Flange Hanger Kits will accommodate 5 in. to 10 in. (127 mm to 254 mm) flange width.

**NOTE:** Refer to page 43 for Safety Cable Kits.

† Item not illustrated.

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.

<table>
<thead>
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<th>Item No.</th>
<th>Rail Model</th>
<th>Hanger Type</th>
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<th>Orientation to Header Steel</th>
<th>Kit Number</th>
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16600462_ed1  7
Close Hanger

Adjustable Hanger

(Dwg. MHP1726)

(Dwg. MHP1548)

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**NOTE:** Dash numbers refer to length in inches.
### CLOSE AND ADJUSTABLE HANGER - PARTS LIST

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* Standard Flange Hanger Kits will accommodate 2.5 in. to 5 in. (6.5 mm to 127 mm) flange width. Wide Flange Hanger Kits will accommodate 5 in. to 10 in. (127 mm to 254 mm).

** NOTE: When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M. **

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Rail Model</th>
<th>Hanger Type</th>
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<th>Orientation to Header Steel</th>
<th>Kit Number</th>
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<tbody>
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** Reference table below for various lengths.
## SINGLE AND DUAL END TRUCK DRAWINGS AND PARTS LIST

### Single End Truck (Dwg. MHP1549)

<table>
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<td>1 or 2</td>
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<td>28</td>
<td>Clevis, Female</td>
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<td>Gimbal</td>
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<td>Bridge Sub-assembly</td>
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**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.
# Single and Dual End Truck Kit - Parts List

## Single End Truck Kit

<table>
<thead>
<tr>
<th>Item No.</th>
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<th>Runway Type</th>
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<tbody>
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<td>500</td>
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<td>227</td>
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<td>ZRS2 or ZR53</td>
<td>ZR52 or ZR53</td>
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## Dual End Truck Kit - Aluminum Trolley

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## Dual Kit - Steel Trolley

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<tr>
<td>3</td>
<td>Nut - Bridge to Suspension Bracket</td>
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<td>Nut - Endtruck Bracket to Trolley</td>
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<td>Nut - Suspension Bracket to Endtruck Bracket</td>
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<td>Reaction Trolley</td>
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<td>Screw - Bridge to Suspension Bracket</td>
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<table>
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<th>Capacity</th>
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### Trolley Parts List

**ZRAT & ZRA1 Aluminum Trolley 500 lb (227 kg) Capacity (Dwg. MHP2094)**

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<td>**37</td>
<td>Wheel Assembly</td>
<td>4</td>
<td>31007</td>
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<td>Guide Roller</td>
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<td>30223</td>
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<tr>
<td>40</td>
<td>Washer</td>
<td>2</td>
<td>74504</td>
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<td>41</td>
<td>Capscrew</td>
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<tr>
<td>57</td>
<td>Hook Bracket Assembly</td>
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**ZR1, ZRA2, ZRS2 and ZRS3 Bumper Trolley - Single (Dwg. MHP2097)**

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<td>99</td>
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<tr>
<td>63</td>
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**ZRAT2, ZRS2 and ZRS3 Load Trolley 1000 lb (454 kg) Capacity (Dwg. MHP2127)**

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<tr>
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**ZRAT and ZRA1 Universal Trolley Aluminum 500 lb (227 kg) Capacity (Dwg. MHP2096)**

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<td>Washer</td>
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**ZRAT and ZRS2 Reaction Trolley 1000 lb (454 kg) Capacity (Dwg. MHP2127)**

<table>
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<th>Description of Part</th>
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<tr>
<td>63</td>
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<td>30014</td>
</tr>
</tbody>
</table>

* Trolley Assembly 30313 uses the Trolley Assembly 30281 and adds a Hook Bracket Assembly.
** Wheel Assembly comes with pressed in bearing, not sold separately.
*** Specifies lengths of trolley assembly.

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.
### ZRA2 Trolley 1000 lb (454 kg) Capacity (Dwg. MHP2128)

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<td>ZRS3 93934</td>
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<td>Wheel Assembly</td>
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</tr>
<tr>
<td>39</td>
<td>Guide Roller</td>
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### ZRA2, ZRS2 and ZRS3 Trolley 1000 lb (454 kg) Capacity (Dwg. MHP2130)

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<td>41</td>
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<td>82</td>
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### ZRA1 500 lb (227 kg) Capacity and ZRA2 1000 lb (454 kg) Capacity Universal Trolley (Dwg. MHP2102)

<table>
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<tr>
<th>Item No.</th>
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<td>ZRS3 99085</td>
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<td>Wheel Assembly</td>
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### ZRS2, ZRS3 and ZRSS 1000 lb (454 kg) Capacity Universal Trolley (Dwg. MHP2102)

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<td>4</td>
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<td>ZRSS 93935</td>
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### ZRAT Universal Trolley 250 lb (113 kg) Capacity (Dwg. MHP2129)

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<td>Axle</td>
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<td>ZRS2 30203</td>
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<td>Wheel Assembly</td>
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<td>ZRA2 31007</td>
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<td>41</td>
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### ZRA1, ZRA2, ZRS2 and ZRS3 Festoon Trolley - Single (Dwg. MHP1550)

<table>
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<tbody>
<tr>
<td></td>
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<td>41</td>
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<td>ZRA2 70498</td>
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<td>64</td>
<td>Clamp Plate</td>
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<td>ZRS2 30578</td>
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<td>66</td>
<td>Pin</td>
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<td>69</td>
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<td>ZRA2 30582</td>
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<tr>
<td>**71</td>
<td>Wheel Assembly</td>
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<td></td>
<td>ZRS2 9960T11</td>
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<td>74</td>
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<td>ZRSA 75503</td>
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<tr>
<td>75</td>
<td>Spacer</td>
<td>2</td>
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<td>ZRSA 30855</td>
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<tr>
<td>76</td>
<td>Body</td>
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<td>Order Item 99</td>
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</table>

** Wheel Assembly comes with pressed in bearing, not sold separately.

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.
ADJUSTABLE CROSS BRACE KIT PARTS DRAWING

(Dwg. MHP1650)
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Part</th>
<th>Qty.</th>
<th>Total</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Locknut</td>
<td>1</td>
<td></td>
<td>75512</td>
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<td>20</td>
<td>Hanger Bracket</td>
<td>1</td>
<td></td>
<td>30099</td>
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<tr>
<td>21</td>
<td>Jam Nut</td>
<td>4</td>
<td></td>
<td>75558</td>
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<tr>
<td>22</td>
<td>Bracing Connector</td>
<td>2</td>
<td></td>
<td>30097</td>
</tr>
<tr>
<td>24</td>
<td>Threader Rod 1/2-13 x 32.12 in.</td>
<td>1</td>
<td></td>
<td>30522-3200</td>
</tr>
<tr>
<td></td>
<td>Threader Rod 1/2-13 x 40.25 in.</td>
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<td></td>
<td>30522-4000</td>
</tr>
<tr>
<td></td>
<td>Threader Rod 1/2-13 x 48.31 in.</td>
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<td>30522-4800</td>
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<td>Threader Rod 1/2-13 x 64.43 in.</td>
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<td>Threader Rod 1/2-13 x 80.56 in.</td>
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<td>Threader Rod 1/2-13 x 96.68 in.</td>
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<td>30522-9600</td>
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<td>Clamp Mount</td>
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<td>Beam Clamp</td>
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<td>36</td>
<td>Lockwasher</td>
<td>2</td>
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<td>58</td>
<td>Nut</td>
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<td>Clamp</td>
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<td>Locknut</td>
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**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Part</th>
<th>Size or Length</th>
<th>Part Number</th>
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<td>Cross Brace Rod Kit</td>
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<td>mm</td>
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# AIR SUPPLY PARTS LIST

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<th>Item No.</th>
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<th>Qty. Total</th>
<th>Part Number</th>
<th>3/8 in.</th>
<th>1/2 in.</th>
</tr>
</thead>
<tbody>
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<td>*101</td>
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<td>90000</td>
<td>90001</td>
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<tr>
<td>102</td>
<td>Filter/Regulator/Guage Kit</td>
<td>1</td>
<td>01941</td>
<td>01972</td>
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<tr>
<td>106</td>
<td>Bracket</td>
<td>1</td>
<td>30116-375</td>
<td>30116-500</td>
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<tr>
<td>107</td>
<td>Fitting, 90° Elbow</td>
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<td>10354</td>
<td>01961</td>
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<tr>
<td>108</td>
<td>Fitting, Swivel</td>
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<td>01957</td>
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<td>109</td>
<td>Precoil Hose</td>
<td>Specify Length</td>
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<td>01912</td>
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<td>110</td>
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<td>10561</td>
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<td>10566</td>
<td>10567</td>
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<td>118</td>
<td>Lockwasher</td>
<td>2 or 4</td>
<td>74507</td>
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* Each kit includes brackets, tagline assembly and coiled hose assembly.

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.

### Table: Air Supply Package - Rail System

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Part</th>
<th>Qty. Total</th>
<th>3/8 in.</th>
<th>1/2 in.</th>
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<tbody>
<tr>
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<td>75</td>
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<td>100</td>
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### Table: Air Supply Package - Bridges

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<th>3/8 in.</th>
<th>1/2 in.</th>
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<tbody>
<tr>
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<td>Air Supply Package - Bridges</td>
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<td>1.5</td>
<td>90020-1</td>
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<td>2.7</td>
<td>90020-2</td>
<td>90021-2</td>
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<td>90020-3</td>
<td>90021-3</td>
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<td>90021-5</td>
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### Table: Adapter Hose Assy Air Supply Package

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<th>1/2 in.</th>
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<td>N/A</td>
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### Table: Z-Rail and I-Beam System

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<th>3/8 in.</th>
<th>1/2 in.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>15.2</td>
<td>90040-1</td>
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<td>22.8</td>
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<td>90041-2</td>
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<td>90041-3</td>
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## ELECTRIFICATION - PARTS LIST

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<th>Part Number</th>
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<tr>
<td>400</td>
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<td>1</td>
<td>ZRAT</td>
</tr>
<tr>
<td>112</td>
<td>Adapter Hose Specify Length</td>
<td>1</td>
<td>Refer to Chart Below</td>
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<tr>
<td>117</td>
<td>Capscrew</td>
<td>2 or 4</td>
<td>ZRA1</td>
</tr>
<tr>
<td>118</td>
<td>Lockwasher</td>
<td>2 or 4</td>
<td>ZRA2</td>
</tr>
<tr>
<td>119</td>
<td>Flat Washer</td>
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<td>ZRS2</td>
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<td>120</td>
<td>Bracket</td>
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<tr>
<td>121</td>
<td>Plate</td>
<td>2 or 4</td>
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<td>123</td>
<td>Cable</td>
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<td>125</td>
<td>Eyebolt and Nut Assembly</td>
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<td>10230</td>
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<td>130</td>
<td>Towing Trolley</td>
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<td>10105</td>
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<td>132</td>
<td>Wing Nut Assembly As Required</td>
<td>1</td>
<td>99040</td>
</tr>
<tr>
<td>134</td>
<td>Cable Trolley (20 ft (6.1 m) Boom)</td>
<td>4</td>
<td>99041</td>
</tr>
<tr>
<td>135</td>
<td>Flat Cable Clip As Required</td>
<td>1</td>
<td>99042</td>
</tr>
<tr>
<td>136</td>
<td>Anchor Bracket</td>
<td>1</td>
<td>99043</td>
</tr>
</tbody>
</table>

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.

### Electrification Festooning Kit

<table>
<thead>
<tr>
<th>Boom Length</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft</td>
<td>m</td>
</tr>
<tr>
<td>12</td>
<td>3.66</td>
</tr>
<tr>
<td>25</td>
<td>7.62</td>
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<tr>
<td>50</td>
<td>15.24</td>
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<td>75</td>
<td>22.86</td>
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<tr>
<td>100</td>
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<tr>
<td>125</td>
<td>38.10</td>
</tr>
<tr>
<td>150</td>
<td>45.72</td>
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</tbody>
</table>

Each kit includes: Festoon lamp, sliders, flat cable, and junction box.

### Optional Flat Electrification Cable*

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part No.</th>
<th>No. of Conductors</th>
<th>Conductor Size-AWG</th>
<th>AMP Rating NEC 310 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>131</td>
<td>99050</td>
<td>8/C</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>99051</td>
<td>12/C</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>99052</td>
<td>4/C</td>
<td>14</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>99053</td>
<td>8/C</td>
<td>14</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>99054</td>
<td>12/C</td>
<td>14</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>99055</td>
<td>4/C</td>
<td>12</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>99056</td>
<td>7/C</td>
<td>12</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>99057</td>
<td>4/C</td>
<td>10</td>
<td>40</td>
</tr>
</tbody>
</table>

*PVC Jacket flat cable is available in the configuration shown. To determine the correct cable length, add 10 ft (3 m), plus 10% of system.
**SPLICE LUGS PARTS DRAWING**

**ZRA1 Rail**

![ZRA1 Rail Diagram]

**ZRA2 Rail**

![ZRA2 Rail Diagram]

**ZRS2 and ZRS3 Rail**

![ZRS2 and ZRS3 Rail Diagram]

(Dwg. MHP1562)

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description Of Part</th>
<th>Qty. Total</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Capscrew</td>
<td>2 or 4</td>
<td>75582</td>
</tr>
<tr>
<td>49</td>
<td>Locknut</td>
<td>2 or 4</td>
<td>70972, 70926</td>
</tr>
<tr>
<td>50</td>
<td>Capscrew</td>
<td>3</td>
<td>71910, 71914</td>
</tr>
<tr>
<td>51</td>
<td>Locknut</td>
<td>3</td>
<td>75532, 75600</td>
</tr>
<tr>
<td>140</td>
<td>Suspension Bracket</td>
<td>1</td>
<td>30267</td>
</tr>
</tbody>
</table>

**Splice Kits**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Rail Model</th>
<th>Qty. Total</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>339</td>
<td>ZRAT</td>
<td>31020</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ZRA1</td>
<td>30231</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ZRA2</td>
<td>30057</td>
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<tr>
<td></td>
<td>ZRS2 and ZRS3</td>
<td>30515</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ZRSS</td>
<td>30317</td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.*
Note: Wire rope clamp to be not more than two inches from end.

(Dwg. MHP1999)

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Part</th>
<th>Qty. Total</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>342</td>
<td>Safety Cable Kit (Incl's Items 13 through 15)</td>
<td>1</td>
<td>30907-XX</td>
</tr>
<tr>
<td>13</td>
<td>Wire Rope (bulk)</td>
<td>As Required</td>
<td>10099</td>
</tr>
<tr>
<td>14</td>
<td>Thimble</td>
<td>2</td>
<td>10212</td>
</tr>
<tr>
<td>15</td>
<td>Wire Rope Clamp</td>
<td>4</td>
<td>10235</td>
</tr>
</tbody>
</table>

XX = Wire rope length (feet).

NOTE: When placing an order for metric on all cap screws and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.
Note: ZRS2 and ZRS3 Inspection Kit is not shown. Reference Splice Kit and Dwg. MHP1562.

(Dwg. MHP2284)

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Part</th>
<th>Qty. Total</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
<tr>
<td>340</td>
<td>Inspection Gate Assembly</td>
<td>1</td>
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</tr>
<tr>
<td>10</td>
<td>Capscrew</td>
<td>4</td>
<td>70972</td>
</tr>
<tr>
<td>11</td>
<td>Locknut</td>
<td>4</td>
<td>75582</td>
</tr>
<tr>
<td>50</td>
<td>Capscrew</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>Locknut</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>Bridge Suspension Bracket</td>
<td>2 (4)</td>
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<tr>
<td>145</td>
<td>Gate End</td>
<td>1</td>
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<tr>
<td>339</td>
<td>Splice Bolt Kit Assembly</td>
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<td>30231</td>
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</table>

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75582 would be 75582M.
### END AND ADJUSTABLE STOP PARTS DIAGRAM AND LIST

(Dwg. MHP1554)

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<th>Item No.</th>
<th>Description of Part</th>
<th>Qty. Total</th>
<th>ZRAT</th>
<th>ZRA1</th>
<th>ZRA2</th>
<th>ZRS2</th>
<th>ZRS3</th>
<th>ZRSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Locknut</td>
<td>2</td>
<td>75582</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>Capscrew</td>
<td>2</td>
<td>70972</td>
<td>71479</td>
<td>71472</td>
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<td></td>
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</tr>
<tr>
<td>47</td>
<td>End Stop</td>
<td>1</td>
<td>31019</td>
<td>30274</td>
<td>30182</td>
<td>30803</td>
<td>30807</td>
<td>30803</td>
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<td>48</td>
<td>Redundant End Stop</td>
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<td>30276</td>
<td>30184</td>
<td>30805</td>
<td>30809</td>
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<td>84</td>
<td>Bar Weldment</td>
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<td>30275</td>
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<td>512</td>
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<td>30185</td>
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<td>Adjustable Stop Kit</td>
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</tr>
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</table>

**NOTE:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.
DUAL BRIDGE TIE BAR DIAGRAM

(Dwg. MHP2225)
### DUAL BRIDGE TIE BAR PARTS LIST

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Part</th>
<th>Span Between Bridges</th>
<th>Qty.</th>
<th>Part Number</th>
<th>ZRAT</th>
<th>ZRA1</th>
<th>ZRA2</th>
<th>ZRA2T</th>
<th>ZRS2</th>
<th>ZRS3</th>
<th>ZRS2T</th>
<th>ZRS3T</th>
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</thead>
<tbody>
<tr>
<td>400</td>
<td>Dual Bridge Tie Bar Assembly</td>
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<td>2 or 3</td>
<td></td>
<td>30221-1800</td>
<td>30101-1800</td>
<td>30791-1800</td>
<td>30535-1800</td>
<td>30638-1800</td>
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<td></td>
<td></td>
<td>30221-2400</td>
<td>30101-2400</td>
<td>30791-2400</td>
<td>30535-2400</td>
<td>30638-2400</td>
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<tr>
<td>401</td>
<td>Dual Bridge Cross Brace Kit For Bridge Lengths up to 16 feet</td>
<td>See Note 3</td>
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<td>30718</td>
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<td>Dual Bridge Cross Brace Kit for Bridge Lengths greater than 16 feet</td>
<td>See Note 3</td>
<td>18.00</td>
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<tr>
<td>402</td>
<td>Cross Brace Bar</td>
<td>---</td>
<td>2 or 4</td>
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<tr>
<td>403</td>
<td>Tie Bar/Spacer Bar (Weldment For ZRS2/3 Applications)</td>
<td>18.00</td>
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<td>42499-1800</td>
<td>30791-1800</td>
<td>30779-1800</td>
<td>30796-1800</td>
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<td>Suspension Plate Assembly</td>
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<tr>
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<td>Side Plate</td>
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</tr>
</tbody>
</table>

* Item 400 is included in item 401 Kit.
** Item 401 includes item 400 and 405 through 410.

**NOTE 1:** Dual Bridge Cross Brace Kits should be used on any bridge spans over 10 ft (3.05 m).

**NOTE 2:** When placing an order for metric on all capscrews and locknuts place the letter “M” after a part number; example: part number 75587 would be 75587M.

**NOTE 3:** If bridge span is not indicated, then kit will not include tie bar assembly. Bridge tie bars are required on dual bridges that have articulating endtrucks.
FLOOR SUPPORTS—GENERAL ASSEMBLY, PARTS, AND AVAILABLE MODELS

COLUMN TO BEAM CONNECTOR KIT 30701L

BEAM TO BEAM CONNECTOR KIT 30699-XXXX

SUPPORT BEAM

HEADER BEAM

BEAM SPLICE KIT 30704

COLUMN 30702-XX  4"
30703-XX  5"
30713-XX  6"
**GENERAL FLOOR SUPPORT ASSEMBLY RULES**

**HOW TO ORDER**

FLOOR SUPPORT MODEL DRIVER

<table>
<thead>
<tr>
<th>FS</th>
<th>CLEARANCE IN FEET</th>
<th>RUNWAY LENGTH IN FEET</th>
<th>BRIDGE UNDER CLEARANCE IN FEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS</td>
<td>00 00 00 00</td>
<td>00</td>
<td>6.00</td>
</tr>
</tbody>
</table>

**TOP OF FLANGE**

**CIRCLE C**

**NOTE:** EXAMPLE ABOVE IS 6 COLUMN. FLOOR SUPPORTS ARE AVAILABLE IN 4 COLUMNS UP TO 12 COLUMNS.

**SECTION A-A**

ANCHOR BOLT FOR 4” SQ OR 5” SQ COLUMN
SCALE 10 TIMES SIZE

<table>
<thead>
<tr>
<th>Ø 3/4 ANCHOR BOLT</th>
<th>4 PLACES</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.50</td>
<td>1.50</td>
</tr>
<tr>
<td>12.00</td>
<td>4.50</td>
</tr>
</tbody>
</table>

**SECTION A-A**

ANCHOR BOLT FOR 6” SQ COLUMN
SCALE 10 TIMES SIZE

<table>
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<tr>
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<td>4.50</td>
</tr>
</tbody>
</table>

**30699 XXXX BEAM TO BEAM CONNECTOR KIT ONE ASSEMBLY PER COLUMN TOWARD 108 LB-FT**

**VIEW IN CIRCLE A**

**CIRCLE A**

**CIRCLE B**

**VIEW IN CIRCLE B**

**VIEW IN CIRCLE C**

FOR 6 COLUMNS AND UP 10 X SIZE

**0.56 DIA HOLE ON ONE END ONLY**

**SUPPORT BEAM SPLICE DETAIL FOR 6 COLUMNS AND UP 10 X SIZE**

**3070 L COLUMN TO BEAM CONNECTOR KIT ONE ASSEMBLY PER COLUMN TOWARD 108 LB-FT**

**RUNWAY LENGTH IN FEET**

<table>
<thead>
<tr>
<th>BREND + 2’</th>
<th>BREND + 3’</th>
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</thead>
<tbody>
<tr>
<td>6.00</td>
<td>2</td>
</tr>
</tbody>
</table>

**BRIDGE UNDER CLEARANCE**

<table>
<thead>
<tr>
<th>BRIDGE UNDER CLEARANCE + 2’</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50 DIA HOLE ON ONE END ONLY</td>
</tr>
</tbody>
</table>

**SCALE 10 TIMES SIZE**

**SECTIONS A-A**

ANCHOR BOLT FOR 6” SQ COLUMN

**CIRCLE C**

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