PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>SIZE/SPECIFICATIONS</th>
<th>QTY/POST</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bracket, Type B650 6061-T6 Aluminum</td>
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<td>1</td>
<td>SBM650</td>
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<tr>
<td>2</td>
<td>Bracket Hardware Assembly, Type B650, Includes:</td>
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<td>SB-B650LPH</td>
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<tr>
<td>2a</td>
<td>Bolt 15.9mm(5/8&quot;)-11UNCx69.9mm(2-3/4&quot;), Hex Head, ASTM A325, Galv. ASTM A153</td>
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<td>2b</td>
<td>Bolt 15.9mm(5/8&quot;)-11UNCx58.2mm(3&quot;), Hex Head, ASTM A325, Galv. ASTM A153</td>
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<td>2c</td>
<td>Bolt 16.8mm(5/8&quot;)-11UNCx82.6mm(3-1/4&quot;), Hex Head, ASTM A325, Galv. ASTM A153</td>
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<td>2d</td>
<td>Cap Screw 15.9mm(5/8&quot;)-11UNCx31.7mm(1-1/4&quot;), Hex Head, ASTM A307, Galv. ASTM A153</td>
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<td>2e</td>
<td>LockWasher 15.9mm(5/8&quot;), ANSI B18-21-1, Galv. ASTM A153</td>
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<td>2f</td>
<td>Nut 15.9mm(5/8&quot;)-11UNC, Heavy Hex, ASTM A563 Gr. 3, Dilev. Galv. ASTM A153</td>
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<td>3</td>
<td>Coupling &amp; Special Bolt Assembly, Type B, Includes:</td>
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<td>SB-CBLP</td>
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<td>3a</td>
<td>Special Bolt 25.4mm(1&quot;)-BUNC, ASTM A449, Galv. ASTM A153/B695</td>
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<td>3b</td>
<td>Coupling 25.4mm(1&quot;)-BUNC, LF, AMS 6378D, Galv. ASTM A155, Polyester Coating</td>
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<td>3c</td>
<td>Shim 25.4mm(1&quot;) Horseshoe, 14 Gauge, Galv. Steel Sheet</td>
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<td>3d</td>
<td>Shim 25.4mm(1&quot;) Horseshoe, 18 Gauge, Galv. Steel Sheet</td>
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<td>Hinge Assembly, Type B650, Includes:</td>
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<td>4a</td>
<td>Hinge Plate Type B650, AISI 4130 Steel, Galv. ASTM A123</td>
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<td>Hinge Hardware Assembly, Type B, Includes:</td>
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<td>SB-HHB</td>
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<tr>
<td>5a</td>
<td>Bolt 19.0mm(3/4&quot;)-10UNCx57.1mm(2-1/4&quot;), Hex Head, ASTM A325, Galv. ASTM A153</td>
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<tr>
<td>5b</td>
<td>Lockwasher 19.0mm(3/4&quot;), ANSI B18-21-1, Galv. ASTM A153</td>
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<tr>
<td>5c</td>
<td>Nut 19.0mm(3/4&quot;)-10UNC, Heavy Hex, ASTM A563 Gr. 3, DH, Galv. ASTM A153</td>
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<td>8</td>
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<td>6</td>
<td>Anchor Assembly, Type B, Includes:</td>
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<td>SBABPK</td>
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<tr>
<td>6a</td>
<td>Anchor 25.4mm(1&quot;)-BUNC, 304 S.S. Ferrule, AISI 1036 Rod, AISI 1008 Collar</td>
<td></td>
<td>4</td>
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</tr>
</tbody>
</table>

*Complete assembly includes items 1-5. Item 6, Anchors sold separately.

GENERAL NOTES:

2. Break-Safe Model B650 is designed to fit W10 (W250mm) thru W21 (W350mm) Wide Flange I-Beam, and 7" (178mm) and 8" (203mm) Square Tube signposts.
3. Hinge items 4 & 5 above are not used for single post sign applications. All hardware items are American Standard sizes, gavanized in accordance with ASTM A153 (hot dipped) or ASTM B695 (mechanically applied).
5. Fasteners, except for special bolt and coupling, are installed with lockwashers, and do not have specific torque requirements. Fasteners should be secured as tight as possible with conventional wrenches, unless noted otherwise.
6. Square-up and level individual components, particularly Anchors to minimize the need for shimming between the Couplings and Anchors.
7. No more than two shims shall be placed under any one coupling. No more than three shims underneath any pair of couplings.
8. Refer to other side of page for complete installation instructions.

Break-Safe Model B650
Breakaway Support System for Sign Posts
for 10" thru 21" W-Shape I-Beam Posts
Multiple Post Sign Application with Hinges

Scale: Not To Scale
Date: January 2015

Transpo
20 Jones Street
New Rochelle, NY 10801
914-636-1000
www.transpo.com

Break-Safe Model B650
Breakaway Support System for Sign Posts
for 10" thru 21" W-Shape I-Beam Posts
Multiple Post Sign Application with Hinges

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INSTALLATION INSTRUCTIONS

ANCHOR ASSEMBLY:
Note: Precise positioning of the anchors is critical to proper assembly of the system. It is recommended that actual posts be used to locate the correct position of the anchors.
1. Fabricate a flat, rigid template with four (4) 25mm (1") diameter holes located to match the specified anchor pattern of the Break-Safe Brackets attached to the signpost. See diagram below.
2. Attach four (4) Transpo Type B Female Anchors to the template using four (4) 25mm (1") diameter bolts. Ensure that each Anchor Washer is snug against the bottom of the template.
3. Lower Anchor Assembly into fresh concrete foundation, and vibrate into position such that the tops of the Anchor Washers are flush with the finished top surface of the foundation. Support the template such that all Anchors are level and in their proper locations.
4. Allow concrete to cure, and then remove the bolts and template from the top of the foundation.

HINGE ASSEMBLY: (for Multiple Post Sign Applications)
1. Butt upper and lower post sections together on a flat surface.
2. Drill eight (8) 20.6mm (1/4") holes in the flanges of the post sections as shown.
3. Place Hinge Flanges on outer surface of the post flanges and secure with bolts, lock washers, and nuts. Ensure that upper and lower post sections are in alignment, and then tighten all nuts 1/2 turn beyond snug.

BRACKET ASSEMBLY:
1. Drill sixteen (16) 17.5mm (1/2") diameter holes in the flanges of the lower post section as shown.
2. Place Brackets squarely on outer surface of the post flanges, and secure with bolts, lock washers, nuts, and cap screws. Then, tighten all 1/2 turn beyond snug.

COUPLING ASSEMBLY:
1. Thread four (4) Break-Safe Couplings into Anchors. Do not tighten.
2. Suspend post assembly over foundation, insert Special Bolts through holes in the Brackets, and thread them snug into the Couplings.
3. If post is not plumb, insert Shims (14g and/or 18g) between the Couplings and Anchors, where needed.
4. Use lower wrench flats to tighten Couplings into Anchors as tight as possible using a conventional wrench. Do not use a pipe wrench. Couplings must be seated squarely.
5. Tighten Special Bolts while holding Couplings by the upper wrench flats with an additional wrench to prevent any induced torque stress across the seated portion of the Coupling. All Special Bolts shall also be tightened as tight as possible using conventional wrenches.

SIGN PANEL ASSEMBLY:
1. After all signposts are secured in place, attach sign panel assembly to posts in accordance with the sign manufacturer's recommendations.

PLAN VIEW OF TYPICAL FOUNDATION

B = Depth of Post + 205mm (8")

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Break-Safe Model B650
Breakaway Support System for Sign Posts

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Drawing No. BS-B650 Sheet: 2 of 2