**NOTICE:** Impasse Cantilever Gates are supplied with rolls of 2” mesh safety screening in sufficient quantities to cover the entire gate (including overhang) and an equal portion of fence parallel to the gate in the open position up to a height of over 6 feet from ground elevation. This screening must be included when the TransPort Gate is assembled at the jobsite. Additionally, all of the safety requirements of ASTM F2200 must be met during installation. Failure to incorporate the safety mesh or follow ASTM F2200 safety requirements during gate assembly and installation will cause rejection (under UL-325) of the entire gate system any time an attempt is made to attach the gate to an automatic gate operator. Ameristar assumes no responsibility for gate installations that fail to utilize the materials provided or meet the applicable safety standards.

1. All gates require two 4” square truck bracket mounting posts, one to act as Fulcrum Post, the second as Tail Support Post. Set these mounting posts in an off-line configuration as shown in Figure 1. Check grade conditions to ensure posts are set to proper height; allow no more than four (4) inches from bottom of gate to grade. A Supplemental Latch Post, located as shown in Figure 1, is required to mount patented offset latches (see Step 11 - Page 6). See post set table page 2.

![Diagram of gate installation with labels for Fulcrum Post, Tail Post, Gate Latch, and Fence Line]
## TRANSPORT ASSEMBLY/INSTALLATION INSTRUCTIONS

### TRANSPORT IS - POST SET TABLE

**Clear Opening** | **Gate Out-To-Out** | **Face to Latch Post to Center of Gate Post**
---|---|---
6' to 8' | 146" | Gate Opening + 8" | 138"
8' to 10' | 182" | Gate Opening + 8" | 174"
10' to 12' | 218" | Gate Opening + 8" | 210"
12' to 14' | 266" | Gate Opening + 8" | 258"
14' to 16' | 290" | Gate Opening + 8" | 282"
16' to 18' | 338" | Gate Opening + 8" | 330"
18' to 20' | 362" | Gate Opening + 8" | 354"
20' to 22' | 398" | Gate Opening + 8" | 390"
22' to 24' | 434" | Gate Opening + 8" | 426"

**Face of Latch Post to Center of Fulcrum Post equals Clear Opening plus 8 inches**

**Face of Latch Post to Center of Tail Post equals Gate Out-To-Out Minus 8 inches**

**Suggested Location**
- 1st Gate Post (Fulcrum Post)
- 2nd Gate Post (Tail Post)
2. Remove all gate components including tracks, uprights, diagonal braces, pales, hardware and safety accessories. Spread out neatly, preferably in a large flat clean area. Use wood pallets, or studs to keep items from coming in contact with ground. Check quantities against appropriate gate opening on Parts List below.

<table>
<thead>
<tr>
<th>Gate Opening</th>
<th>6' TO 8'</th>
<th>&gt; 8' TO 10'</th>
<th>&gt; 10' TO 12'</th>
<th>&gt; 12' TO 14'</th>
<th>&gt; 14' TO 16'</th>
<th>&gt; 16' TO 18'</th>
<th>&gt; 18' TO 20'</th>
<th>&gt; 20' TO 22'</th>
<th>&gt; 22' TO 24'</th>
<th>&gt; 24' TO 27'</th>
<th>&gt; 27' TO 30'</th>
</tr>
</thead>
<tbody>
<tr>
<td>LR Top Track</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>UR Short Left</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>LL Bottom Track</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>LR Long Right</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>B Uprights 2&quot; SQ</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>C Diagonals 2&quot; SQ (Plated)</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>D Pales 2.75&quot; Corrugated</td>
<td>15</td>
<td>21</td>
<td>26</td>
<td>31</td>
<td>34</td>
<td>40</td>
<td>43</td>
<td>47</td>
<td>51</td>
<td>56</td>
<td>62</td>
</tr>
<tr>
<td>E1 Frame Bolts 3/8&quot; x 3&quot;</td>
<td>16</td>
<td>16</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>68</td>
<td>68</td>
</tr>
<tr>
<td>E2 Splice Bolts 3/8&quot; x 4&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>F All-Thread Bolt 3/8&quot; x 3-1/2&quot;</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>G Pale Bolts 5/16&quot; x 5/8&quot; carriage</td>
<td>30</td>
<td>42</td>
<td>52</td>
<td>62</td>
<td>68</td>
<td>80</td>
<td>86</td>
<td>94</td>
<td>102</td>
<td>112</td>
<td>124</td>
</tr>
<tr>
<td>H Frame Nuts 3/8&quot; Lock Nut</td>
<td>20</td>
<td>20</td>
<td>36</td>
<td>36</td>
<td>36</td>
<td>36</td>
<td>52</td>
<td>52</td>
<td>52</td>
<td>84</td>
<td>84</td>
</tr>
<tr>
<td>I Pale Nuts 5/16&quot; Security Nut</td>
<td>30</td>
<td>42</td>
<td>52</td>
<td>62</td>
<td>68</td>
<td>80</td>
<td>86</td>
<td>94</td>
<td>102</td>
<td>112</td>
<td>124</td>
</tr>
<tr>
<td>J Flat Washers / Lock Washers - 3/8&quot;</td>
<td>36</td>
<td>36</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>160/4</td>
<td>160/4</td>
</tr>
<tr>
<td>K Safety Mesh</td>
<td>50' Roll</td>
<td>50' Roll</td>
<td>50' Roll</td>
<td>50' Roll</td>
<td>50' Roll</td>
<td>100' Roll</td>
<td>100' Roll</td>
<td>100' Roll</td>
<td>100' Roll</td>
<td>100' Roll</td>
<td>100' Roll</td>
</tr>
</tbody>
</table>
3. For gate openings greater than 24 feet, tracks are required to be spliced. Align short left track (UL) to long right track (UR) and insert splice block as shown in Figure 2A. Line up pre-drilled holes, attach with frame bolts (E1), splice bolts (E2), flat washers/lock washers (J), and frame nuts (H). Tighten all nuts thoroughly. Align long left track (LL) to short right track (LR) and insert splice block as shown in Figure 2B. Line up pre-drilled holes, attach with frame bolts (E1), splice bolts (E2), flat washers/lock washers (J), and frame nuts (H). Tighten all nuts thoroughly.

4. Position top and bottom tracks parallel to each other. Allow sufficient space to layout uprights between and perpendicular to tracks (see Figure 3). Ensure correct orientation of each upright. Slide uprights into top track and align with pre-drilled holes. Attach with frame bolts (E1), flat washers (J), and frame nuts (H). Finger tighten. Bring bottom track over bottom of uprights and align with pre-drilled holes. Attach with frame bolts (E1), flat washers (J), and frame nuts (H). Finger tighten.
5. Position diagonal braces in bays between uprights, Figure 5. At top of center upright, attach the two mating diagonals using all thread bolts (F), flat washers (J), and frame nuts (H) as shown in Figure 4. At all other diagonal to upright connections, attach with frame bolts (E1), flat washers (J), and frame nuts (H). Tighten all nuts thoroughly.

6. Square the gate by measuring from corner to corner on frame as shown in Figure 5. Dimensions “X” and “Y” should be equal (+/- ¼”) Tighten all nuts thoroughly.

7. Attach safety mesh (K) to bottom 6’ of gate (Note: Zipties supplied; installer is responsible for attachment method). Sufficient mesh is provided to also cover fence that runs parallel to gate travel path.

8. Track is predrilled its entire length so that pales (D) can be attached either left or right depending on the direction of the gate opening. If gate opens to the right, install pales from left end; if gate opens to the left, install pales from the right end. Position pale (D) to align with pre-drilled holes in tracks, attach with pale bolts (G) and pale nuts (I) as shown in Figure 6. Tighten all nuts thoroughly.
9. Un-package the truck assembly hardware kits (TGKOD). Install truck assemblies onto truck brackets as shown in Figure 7A, leaving 1” of thread above bracket. Install truck assembly brackets on gateposts facing the public side of the gate, utilizing u-bolts provided, aligning them so that gate will hang level horizontally, with bottom of gate no more than 4” above grade. Tighten truck assembly brackets nuts See Figure 7B.

10. Stand the gate upright, being careful not to twist the gate or cause the track to bend. This is most easily accomplished by lifting the top of the gate at two or more equally divided locations (not at the ends) and leaning it against a rigid structure. Keeping the gate upright without twisting, move the gate so that the trailing edge is in line with the first post (closest to the opening); then lift the end of the gate so that the upper and lower track raceways slide onto the first set of truck assemblies. Raise the opposite end of the gate and continue sliding the gate until it engages the second set of truck assemblies. Continue to slide gate to the half-open position. Install gate stops in the raceway of the track on the leading and trailing edges of gate. See Figure 8.

11. To mount the two (2) gate latches, begin by sliding the gate to the fully closed position. Install the guides on the leading edge of the gate, just below top track and just above bottom track, using fasteners provided. Attach the receiver assemblies to the tandem receiver posts so that they are aligned with the guides. See Figure 9.
**ADDENDUM TO TRANSPORT ASSEMBLY/INSTALLATION INSTRUCTIONS**

**METHOD FOR ATTACHING SAFETY SHIELD & SAFETY MESH**

### PRODUCT | DESCRIPTION
--- | ---
Safety Shield | 3” x 1” x 18ga
Safety Shield Fasteners | 1/4” x 1-1/4” x #4 Tek-Screw
Safety Mesh | 6’ height vinyl-coated mesh roll
Safety Mesh Fasteners | 11” Black Cable Ties

**SAFETY MESH**

- Safety Mesh shall be affixed to entire gate leaf and adjacent fence line.
- Safety Mesh attached to fence line shall exceed the length of the gate leaf in the full open position.
- Cable ties shall be used to provide positive attachment of the Safety Mesh to the gate leaf & adjacent fence line.
- It is recommended attaching Safety Mesh to the gate frame prior to pale installation.

**SAFETY SHIELD**

- Safety Shield shall be affixed to gate mounting posts between gate leaf and gate mounting posts.
- Tek-screw fasteners shall be used to provide positive attachment of the Safety Shield to the gate mounting posts.
- Safety Shield shall be installed in such a manner so that there are no voids between the gate leaf and gate mounting posts exceeding 2.25 inches.