Department: Public Property

RFP Title: Reservoir Avenue Playground Renovation

Opening Date: 06/21/2022

Addendum #: 1

Issue Date: 06/28/2022

1. To include the attached manufacturer's drawings and installation instructions for the disassembled and stored playground structure which is to be installed in place of the current structure at Reservoir Ave Elementary.

2. To include the attached City of Providence CDBG Program Federal Construction Contract Provisions. Please make sure to include all necessary documentation between this guideline and the published RFP.

3. To add the following Alternates to the solicitation:

Deduct Alt #2 - provide and install a wooden mulch play surface in lieu of the pour-in-place synthetic surface. Cover the same area as the existing play surface.

Add Alt #3 - demolish all curbs within the playground area and in the area between the playground and the school doors on Woodmont Street. Replace with extra-low profile or sloped curbs to eliminate tripping hazards for children.

Add Alt #4 - resurface the existing asphalt in the playground area and in the area between the playground and the school doors on Woodmont Street. Maintain slopes to the storm drain in the playground but restore smooth levels to the surface to eliminate tripping hazards for children.
Site Address:
Laurel Hill Annex Elem School
240 Leban Street
Providence, RI 02909
USA
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Installation Instructions

- INST TORQUE CHART \( QTY=1 \)
- SAFETY NOTES DOCUMENT \( QTY=1 \)
- INST PV GENL GUIDELINES \( QTY=1 \)
- INST PV OFFSET BOLT BRKT \( QTY=1 \)
- INST CONCRETE TYP PV POST \( QTY=1 \)
- INST TYP BRKT/RAIL ASY PV \( QTY=1 \)
- INST TYP HANDLOOP PV \( QTY=1 \)
- INST CONCRETE COMPONENT \( QTY=1 \)
- INST OPTIONAL SURF MNT PV \( QTY=1 \)
- INST PV TYP LAG SCREW \( QTY=1 \)
- INST PV GENL POST/DECK \( QTY=1 \)
- INST WARNING LABEL \( QTY=1 \)
- INST PV FLUSH MT POST CAP \( QTY=1 \)
- INST GUIDELINES AND STDS \( QTY=1 \)
- SITE PLAN DRAWING \( QTY=1 \)
- INST TYP BRKT/RAIL ASY PV \( QTY=1 \)
- LABEL HD SRF WARNING ASTM \( QTY=3 \)
- SIGN DANGER KEEP OFF \( QTY=2 \)
- INST RECYC MATL SIGN/FRM \( QTY=1 \)
- INST GRAB BAR PV \( QTY=1 \)
- LABEL WELCOME 5-12 YRS \( QTY=3 \)
- INST DROP SHOT \( QTY=1 \)
- INST DROP SHOT \( QTY=1 \)
- INST PV SGL POLYSLED 40/48 \( QTY=1 \)
- INST TRANSFER STEP \( QTY=1 \)
- INST TENDERDECK EXT PV \( QTY=1 \)
- INST Balc DK W/BARR PV \( QTY=1 \)
- INST SQUARE DECK PV \( QTY=5 \)
- INST PV TRI-DECK \( QTY=2 \)
- INST PV SLIDEWINDER2 POLY \( QTY=1 \)
- INST 42i ARCH BRIDGE PV \( QTY=1 \)
- INST TYP HANDLOOP PV \( QTY=2 \)
- INST 40/48DK VERT LADR PV \( QTY=1 \)
- INST CHIMES PANEL PV \( QTY=1 \)
- INST DRIVER PNL PV \( QTY=1 \)
- INST PV FIREPOLES \( QTY=1 \)
- INST KICK PLATE 90\(^\circ\) TRI \( QTY=1 \)
- INST KICK PLATE SQ T-DECK \( QTY=4 \)
- INST SPYROSLIDE 56i DB PV \( QTY=1 \)
- INST STEP LADDER PV \( QTY=1 \)
- INST WIRE BARRIER PV \( QTY=2 \)
- INST WIRE BARR/WHL PV \( QTY=1 \)
Missing Installation Instructions

- 11007000...SITE PLAN DRAWING  QTY=1 A - 110070-00-000
- 11517602...LABEL HD SRF WARNING ASTM  QTY=3 A - 115176-00-000
- 12068800...SIGN DANGER KEEP OFF  QTY=2 A - 120688-00-000
- 12709901...LABEL WELCOME 5-12 YRS  QTY=3 A - 127099-00-000
### BH Cap Screws (With Pin)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>127445-00*</td>
<td>1/4&quot; x 3/8&quot;  (6.4 x 9.5)</td>
<td>SST-PAT</td>
<td>10 1.4</td>
</tr>
<tr>
<td>100194-00</td>
<td>5/32&quot; x 1&quot;  (7.9 x 25.4)</td>
<td>SST-PAT</td>
<td>10 1.4</td>
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<tr>
<td>100195-00</td>
<td>3/32&quot; x 3/8&quot;  (9.5 x 15.9)</td>
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<tr>
<td>100196-00</td>
<td>3/32&quot; x 1/2&quot;  (9.5 x 22.2)</td>
<td>SST-PAT</td>
<td>15 2</td>
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<tr>
<td>100198-00</td>
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<td>113027-00</td>
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<td>122224-00</td>
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<tr>
<td>100199-00</td>
<td>5/32&quot; x 2 1/2&quot; (9.5 x 57.2)</td>
<td>SST-PAT</td>
<td>15 2</td>
</tr>
<tr>
<td>100200-00</td>
<td>5/32&quot; x 3 1/2&quot; (9.5 x 88.9)</td>
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<td>124460-00</td>
<td>5/32&quot; x 4 1/2&quot; (9.5 x 95.2)</td>
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</tr>
<tr>
<td>100201-00</td>
<td>3/32&quot; x 1 1/4&quot; (15.9 x 31.8)</td>
<td>SST-PAT</td>
<td>50 7</td>
</tr>
<tr>
<td>100203-00</td>
<td>3/32&quot; x 2 1/2&quot; (15.9 x 57.2)</td>
<td>SST-PAT</td>
<td>50 7</td>
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</tbody>
</table>

* Indicates Torx-Pin BH Cap Screw

### BH Cap Screws (No Pin)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>100183-00</td>
<td>3/32&quot; x 1 1/4&quot;  (9.5 x 31.8)</td>
<td>SST-PAT</td>
<td>13 1.8</td>
</tr>
<tr>
<td>100171-00</td>
<td>3/32&quot; x 1 1/4&quot;  (9.5 x 38.1)</td>
<td>SST-PAT</td>
<td>13 1.8</td>
</tr>
<tr>
<td>100173-00</td>
<td>3/32&quot; x 1 1/2&quot;  (9.5 x 50.8)</td>
<td>SST-PAT</td>
<td>13 1.8</td>
</tr>
<tr>
<td>100175-00</td>
<td>3/32&quot; x 2 1/4&quot;  (9.5 x 69.9)</td>
<td>SST-PAT</td>
<td>13 1.8</td>
</tr>
<tr>
<td>100176-00</td>
<td>3/32&quot; x 3&quot;      (9.5 x 76.2)</td>
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<tr>
<td>100168-00</td>
<td>3/32&quot; x 3 1/4&quot;  (9.5 x 92.6)</td>
<td>SST-PAT</td>
<td>13 1.8</td>
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</tbody>
</table>

### Torx-Pin

### Hex Cap Screws

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>100206-00</td>
<td>5/32&quot; x 1&quot;  (9.5 x 25.4)</td>
<td>SST-PAT</td>
<td>15 2</td>
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<tr>
<td>100208-00</td>
<td>5/32&quot; x 1 1/4&quot; (9.5 x 38.1)</td>
<td>SST-PAT</td>
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<tr>
<td>100212-00</td>
<td>5/32&quot; x 3 1/4&quot; (9.5 x 82.6)</td>
<td>SST-PAT</td>
<td>15 2</td>
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<tr>
<td>100213-00</td>
<td>5/32&quot; x 4 1/4&quot; (9.5 x 120.7)</td>
<td>SST</td>
<td>15 2</td>
</tr>
<tr>
<td>100214-00</td>
<td>5/32&quot; x 5&quot;      (9.5 x 127)</td>
<td>2-PAT</td>
<td>15 2</td>
</tr>
<tr>
<td>121499-00</td>
<td>3/16&quot; x 1 1/4&quot; (11.1 x 31.8)</td>
<td>5-PAT</td>
<td>15 2</td>
</tr>
</tbody>
</table>

### Carriage Bolts

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>100135-00</td>
<td>5/32&quot; x 1 1/4&quot;  (9.5 x 31.8)</td>
<td>SST-PAT</td>
<td>15 2</td>
</tr>
<tr>
<td>100147-00</td>
<td>5/32&quot; x 1 1/2&quot;  (9.5 x 38.1)</td>
<td>SST-PAT</td>
<td>15 2</td>
</tr>
<tr>
<td>116017-00</td>
<td>5/32&quot; x 1 3/4&quot;  (9.5 x 69.9)</td>
<td>SST-PAT</td>
<td>15 2</td>
</tr>
<tr>
<td>100148-00</td>
<td>5/32&quot; x 2&quot;      (9.5 x 44.5)</td>
<td>SST-PAT</td>
<td>15 2</td>
</tr>
<tr>
<td>100139-00</td>
<td>5/32&quot; x 2 1/4&quot;  (9.5 x 50.8)</td>
<td>SST-PAT</td>
<td>15 2</td>
</tr>
</tbody>
</table>

**NOTE:** These are recommended torque applications per fastener size. When fasteners are used with plastic or wood products, the torque specifications will be excessive and we recommend that the installer apply some caution when tightening the fasteners. Plastic or wood products should begin to deform slightly. Hardware indicated with "**Pat**" includes a locking patch type material and should cure for 72 hours for maximum strength.
### Flat Head Cap Screw

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque Ft/lbs</th>
<th>Kgm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100258-00</td>
<td>1/2&quot; x 2 11/16&quot; (12.7 x 55.6)</td>
<td>SST</td>
<td>20</td>
<td>2.8</td>
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</table>

### Hex Limited Thread Bolt

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque Ft/lbs</th>
<th>Kgm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100289-00</td>
<td>7/16&quot; x 2 7/16&quot; (11.1 x 61.9)</td>
<td>SST-PAT</td>
<td>40</td>
<td>5.5</td>
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### Lag Screws

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque Ft/lbs</th>
<th>Kgm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100127-00</td>
<td>5/16&quot; x 1 1/4&quot; (7.9 x 31.8)</td>
<td>Alloy Steel</td>
<td>15</td>
<td>2</td>
</tr>
<tr>
<td>100134-00</td>
<td>3/8&quot; x 2&quot; (9.5 x 50.8)</td>
<td>SST</td>
<td>20</td>
<td>2.8</td>
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### Plow Bolt

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque Ft/lbs</th>
<th>Kgm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100263-00</td>
<td>3/8&quot; x 2 3/4&quot; (9.5 x 69.9)</td>
<td>Alloy Steel</td>
<td>15</td>
<td>2</td>
</tr>
<tr>
<td>100266-00</td>
<td>1/2&quot; x 2 3/4&quot; (12.7 x 69.9)</td>
<td>Alloy Steel</td>
<td>20</td>
<td>2.8</td>
</tr>
</tbody>
</table>

### Hex-Pin Limited Thread Bolt

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque Ft/lbs</th>
<th>Kgm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100290-00</td>
<td>3/8&quot; x 7/8&quot; (9.5 x 22.2)</td>
<td>SST-PAT</td>
<td>21</td>
<td>3</td>
</tr>
<tr>
<td>100292-00</td>
<td>3/8&quot; x 1 1/4&quot; (9.5 x 31.8)</td>
<td>SST-PAT</td>
<td>21</td>
<td>3</td>
</tr>
</tbody>
</table>

### Expansion Anchors (Used To Secure Components To Concrete Slabs)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
<th>Recommended Torque Ft/lbs</th>
<th>Kgm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100263-00</td>
<td>1/2&quot; x 2 3/4&quot; (9.5 x 69.9)</td>
<td>Alloy Steel</td>
<td>15</td>
<td>2</td>
</tr>
<tr>
<td>100266-00</td>
<td>1/2&quot; x 2 3/4&quot; (12.7 x 69.9)</td>
<td>Alloy Steel</td>
<td>20</td>
<td>2.8</td>
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</tbody>
</table>
### Drive Rivets

<table>
<thead>
<tr>
<th>Part #</th>
<th>Inches</th>
<th>mm</th>
<th>Mat'l or Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100609-00</td>
<td>(\frac{3}{8}) x (\frac{3}{8})</td>
<td>(6.4 x 6.4)</td>
<td>Alum Rivet/Alum Pin</td>
</tr>
<tr>
<td>100611-00</td>
<td>(\frac{3}{8}) x (\frac{3}{4})</td>
<td>(6.4 x 9.5)</td>
<td>Alum Rivet/SST Pin</td>
</tr>
<tr>
<td>113300-00</td>
<td>(\frac{3}{8} \times \frac{7}{8})</td>
<td>(6.4 x 12.7)</td>
<td>Alum Rivet/Alum Pin</td>
</tr>
<tr>
<td>100610-00</td>
<td>(\frac{3}{8} \times \frac{5}{8})</td>
<td>(6.4 x 15.9)</td>
<td>Alum Rivet/SST Pin</td>
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<tr>
<td>113301-00</td>
<td>(\frac{1}{2} \times \frac{11}{16})</td>
<td>(6.4 x 17.5)</td>
<td>Alum Rivet/Alum Pin</td>
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<tr>
<td>100613-00</td>
<td>(\frac{1}{2} \times \frac{7}{8})</td>
<td>(6.4 x 22.2)</td>
<td>Alum Rivet/Alum Pin</td>
</tr>
<tr>
<td>118158-00</td>
<td>(\frac{1}{4} \times 1)</td>
<td>(6.4 x 25.4)</td>
<td>Alum Rivet/Alum Pin</td>
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</table>

### Flat Washers

#### SAE Washers

<table>
<thead>
<tr>
<th>Part #</th>
<th>Inches</th>
<th>mm</th>
<th>Mat'l or Grade</th>
<th>I.D.</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100362-00</td>
<td>(\frac{3}{8})</td>
<td>(9.5)</td>
<td>SST</td>
<td>0.406</td>
<td>1.002</td>
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<tr>
<td>112793-00</td>
<td>(\frac{7}{16})</td>
<td>(11.1)</td>
<td>SST</td>
<td>0.505</td>
<td>1.282</td>
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<tr>
<td>100363-00</td>
<td>(\frac{1}{2})</td>
<td>(15.9)</td>
<td>SST</td>
<td>0.536</td>
<td>1.282</td>
</tr>
<tr>
<td>100366-00</td>
<td>(\frac{5}{8})</td>
<td>(19.0)</td>
<td>SST</td>
<td>0.688</td>
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#### Standard Hex Nuts

<table>
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<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
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<tbody>
<tr>
<td>100322-00</td>
<td>(\frac{5}{16}) - 18 unc</td>
<td>SST-Pat</td>
</tr>
<tr>
<td>100321-00</td>
<td>(\frac{5}{16}) - 16 unc</td>
<td>SST-Pat</td>
</tr>
<tr>
<td>100320-00</td>
<td>(\frac{7}{16}) - 14 unc</td>
<td>SST-Pat</td>
</tr>
<tr>
<td>100322-00</td>
<td>(\frac{1}{2}) - 13 unc</td>
<td>SST-Pat</td>
</tr>
<tr>
<td>117104-00</td>
<td>(\frac{1}{2}) - 20 unf</td>
<td>SST-Pat</td>
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#### Fender Washer

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100379-00</td>
<td>(\frac{1}{2}) x 2&quot;</td>
<td>SST</td>
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</table>
### Tee Nut (PlayBooster Clamps)

<table>
<thead>
<tr>
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<th>Sizes</th>
<th>Mat'l or Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100351-00</td>
<td>3/8-16 unc</td>
<td>Alloy Steel</td>
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### Set Screw

<table>
<thead>
<tr>
<th>Part #</th>
<th>Sizes</th>
<th>Mat'l or Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100298-00</td>
<td>3/8&quot; x 1/2&quot;</td>
<td>(9.5 x 12.7)</td>
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</table>

### Double Clevis

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mat'l or Grade</th>
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</thead>
<tbody>
<tr>
<td>100632-00</td>
<td>Alloy Steel</td>
</tr>
</tbody>
</table>

### Offset Hanger Clamp (PlayBooster)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mat'l</th>
</tr>
</thead>
<tbody>
<tr>
<td>113729-00</td>
<td>Cast Aluminum</td>
</tr>
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</table>

### Bolt Link

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mat'l or Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100631-00</td>
<td>Alloy Steel</td>
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### Half Clamp (PlayBooster)

<table>
<thead>
<tr>
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<th>Mat'l</th>
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<tbody>
<tr>
<td>105327-01</td>
<td>Cast Aluminum</td>
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### Deck Hanger Clamp (PlayBooster)

<table>
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<th>Mat'l</th>
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<tr>
<td>106022-00</td>
<td>Cast Aluminum</td>
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### Bolt Bracket (PlayVenture)

<table>
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<th>Mat'l</th>
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<td>106028-00</td>
<td>Cast Aluminum</td>
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### Swing Hanger Clamp (PlayBooster)

<table>
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<tr>
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<th>Mat'l</th>
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<tbody>
<tr>
<td>121289-00</td>
<td>Cast Aluminum</td>
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### Hex-Pin Allen Wrench

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>100685-00</td>
<td>Hex-Pin Allen Wrench</td>
</tr>
<tr>
<td>100686-00</td>
<td>Hex-Pin Driver (Used With A 5/16&quot; Socket)</td>
</tr>
<tr>
<td>127463-00</td>
<td>Torx-Pin Driver (Used With A 1/4&quot; Socket)</td>
</tr>
</tbody>
</table>

### Ring/Rail Hanger Clamp (PlayBooster)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mat'l</th>
</tr>
</thead>
<tbody>
<tr>
<td>105330-00</td>
<td>Cast Aluminum</td>
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### Torx-Pin Screw

<table>
<thead>
<tr>
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<th>Size</th>
<th>Description</th>
<th>Mat'l or Grade</th>
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<td>127672-00</td>
<td>#14 x 1/4&quot;</td>
<td>Torx-Pin Screw</td>
<td>SST</td>
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</table>
HOW TO DETERMINE BOLT LENGTHS

Example shows a 1 1/4” long plow bolt. Measurement method also applies to flat-head cap screws.

Example shows a 1 1/4” long BH cap screw. Measurement method also applies to hex cap screws, limited thread bolts, lag screws and carriage bolts.

Rule: Measurements should be based on the part of the screw that penetrates the surface.
IMPORTANT SAFETY NOTES!

According to the U.S. Consumer Product Safety Commission (CPSC) nearly 70% of all playground injuries are caused by falls to the surface.

PLEASE INSTALL AND MAINTAIN ADEQUATE PROTECTIVE SURFACING UNDER AND AROUND YOUR PLAYSTRUCTURE!

Never let children play on the equipment before protective surfacing is installed.

Consult the CPSC's Handbook for Public Playground Safety, the ASTM F1487 Standard or your Landscape Structures representative for more information.

landscape structures™
1) Before starting installation, study your *PlayVenture* plan drawing and all installation instructions carefully for location of posts, deck heights, components and safety enclosures. Make sure slides are oriented away from the afternoon sun and that the structure is visible (easily supervised) and accessible.

2) Clear an area large enough for your *PlayVenture* and at least the required minimum use zone around it, as shown on your plan drawing. The subsurface must be well drained. If the soil does not drain naturally it must be tiled or sloped at 1/8" to 1/4" per foot to a storm sewer or a "French Drain". If your *PlayVenture* is over 30' in length it is recommended to install more than one "French Drain" or similar system to allow drainage from the center of the play area and decrease the overall slope. If this is not possible, the structure may need to be "stepped" to take up the grade change.

3) Overhead Obstructions: Overhead obstructions within the use zones of playground equipment that are not part of the play structure (for example, tree limbs) shall be at least 84 in. (2130 mm) above each designated play surface or 84 in. (2130 mm) above the pivot point of swings. All overhead utility line clearances above the use zone areas shall comply with all local, state, and national codes, such as the National Electrical Safety Code.

4) Locate all mainstructure post footing holes according to the dimensions shown on your *PlayVenture* plan. This can be accomplished by laying a deck on the ground and measuring from it; by laying out a base line string grid or using a builders transit. This step is very important and worth taking extra time to be precise. Location of component footings such as slide supports can be done at a later time.

5) Refer to the Typical Concrete Footing installation sheet. Dig holes to the proper width and depth as shown. (Only dig enough holes for one day's construction. Do not leave holes open over night.) Pour crushed rock in each hole *level with each other* and at least 4" deep as shown. This can be easily accomplished either with a builders transit or by laying out hole locations with a string grid, leveling the grid, and measuring down from the grid for each footing. Tamp the crushed rock down until compacted and at proper level. This step is important to ensure all posts will be at the proper height relative to each other, and it greatly simplifies installation. If the soils are loose or unstable, larger diameter holes may be necessary. Check with a local engineer if in doubt.

6) Start with the lowest deck and work your way to the highest deck following instructions on the installation sheets for typical post/deck assembly. Install barriers and roofs as located on the plan for stability.

7) After the posts are at proper heights and plumb, and the decks are at proper height and level, pour the concrete footings per the Typical Concrete Footing Detail.

8) Install all other play components per the installation instructions. After all components and enclosures are properly attached, pour the remaining concrete footings per the Typical Concrete Footing Detail.

9) Install protective surfacing material as soon as all concrete footings have set, (at least 3 days).

10) Attach play hardware such as 'D' rings last, *after* protective surfacing is in place.

11) Carefully and thoroughly inspect the entire *PlayVenture* to be sure all fastening hardware is tight. According to ASTM F1487, section 6.2 sharp points, edges and protrusions; any exposed bolt ends should not protrude beyond the face of the nut more than two (2) threads. This condition is not planned, but may exist in some applications because materials and finishes will vary. To remedy this situation, add a second nut or washer(s), extras have been added to the spare parts kit. See illustrations on reverse side of this sheet. Children should not be allowed on the structure until this inspection is complete.
**Tools Required**

Tools required for installation are an auger, or other equipment for digging 14" diameter footing holes; shovels, rubber mallet, drill (with \(\frac{1}{4}\), \(\frac{3}{16}\), \(\frac{5}{16}\), \(\frac{11}{16}\), and \(\frac{3}{8}\) drill bits), tape measure, hex keys or allen wrenches, level, \(\frac{3}{8}\)" socket set, hammer, open end wrench set, screw driver, for surface mount a hammer drill, \(\frac{3}{8}\)" and \(\frac{1}{2}\)" masonry bits and transit or string line to aid in layout.

**Materials Required**

All PlayVenture materials are supplied except concrete for footings, protective surfacing material, and curbing or edging material. With the exception of the special wrenches required (for the pinned hex fasteners) no other tools are supplied.

**Recycling**

Many of our packaging materials can be recycled, please take the time to separate and deliver them to a recycler. Thank You.

**Installation Times**

Installation times, as noted on the back of the installation sheets, are approximate and will vary depending on soil conditions, installer's equipment and ability. Times indicated do not include unloading or unpacking equipment. The man hours given are for one person installing (unless otherwise noted). Cut time in half for two people.

**Technical Services**

If you have any questions or concerns about the installation of your structure, call our Technical Services Department at: 1-800-328-0035 (7:30 - 5:30p.m. CST/M-F).
1.) Determine the highest accessible part - by definition.

2.) Determine the type of surfacing material desired:
   - *Unitary* - Bound rubber type materials for the accessible areas.
   - *Loose-fill* - Sand, wood chips, etc. for non-accessible areas.

3.) Select a material that has a Critical Height value of at least the height of the highest accessible part.
   - According to the CPSC, Critical Height is defined as the maximum height from which the instrumented metal headform, upon impact, yields both a peak deceleration of no more than 200 G’s and a HIC value of no more than 1,000 when tested in accordance with the procedure described in the ASTM Test Method F1292.
   - Request independent laboratory test results showing the critical height of each product per the above procedures for commercially available products. The CPSC has tested some common loose-fill materials that are commonly not tested as a protective surfacing. (See back page.)

4.) Cover the designated use zone with the desired materials. If a different type of material is used for the accessible route of travel, make sure the surfaces are maintained flush.
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9)

---

**Critical Heights (in Feet)**

<table>
<thead>
<tr>
<th>Material</th>
<th>Uncompressed Depth</th>
<th>Compressed Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6&quot;</td>
<td>9&quot;</td>
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<tr>
<td>Wood Mulch</td>
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<tr>
<td>Double Shredded Bark Mulch</td>
<td>7'</td>
<td>10'</td>
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<tr>
<td>Uniform Wood Chips</td>
<td>6'</td>
<td>10'</td>
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<tr>
<td>Fine Sand</td>
<td>6'</td>
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<td>Coarse Sand</td>
<td>5'</td>
<td>5'</td>
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<tr>
<td>Fine Gravel</td>
<td>5'</td>
<td>5'</td>
</tr>
<tr>
<td>Medium Gravel</td>
<td>6'</td>
<td>7'</td>
</tr>
</tbody>
</table>

NA = Not Available

**NOTE:** Compressed depths most accurately depict conditions on a playground.

An approximation of the maximum fall height from which a life-threatening head injury would not be expected to occur, based on tests in which a headform yielded both a peak deceleration of less than 200 G’s and a HIC of less than 1000 upon impact.

The Offset Bolt Bracket is used when two enclosures or components are attached at the same height at 90° to each other or when two enclosures or components are attached at the same height at 180° to each other. The Offset Bolt Bracket can be installed flipped in either direction as shown below.

**SAFETY NOTE**
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

**NOTE:**
Refer to your plan drawing for location of Offset Bolt Brackets.

**DETAIL**

113895-00 Offset Bolt Bracket

106028-00 Regular Bolt Bracket

Typical PlayVenture Post

**UP POSITION**

113895-00 Offset Bolt Bracket

100201-00 5/8" x 1 1/2" BHCS w/Pin

100201-00 5/8" x 1 1/2" BHCS w/Pin

100388-00 4 1/2" Aluminum Pipe Bolt

100366-00 5/8" Flat Washer

**DOWN POSITION**

113895-00 Offset Bolt Bracket
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION B.)

Posts Specifications: 5" x 5" aluminum supporting columns shall have a wall thickness of .093" and be extruded of 6063-T6 aluminum alloy and have rounded corners and ribbed faces for maximum safety. The extrusion shall conform to Federal Specification QQ-A-200/8 and ASTM-B-221. Column facia shall be 1/2" x 3 1/2" recycled cedar colored high-density polyethylene strips and shall be inserted in the factory and secured with rivets. These inserts shall extend from the top cap to a minimum of 8 1/2" below grade. A cast aluminum top cap shall be factory installed with (2) self-sealing aluminum with stainless steel pin rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line required for correct installation and surfacing maintenance. Bolt bracket holes shall be factory drilled with computer controlled equipment where necessary for proper installation. Caps and columns shall be powdercoated to a specified color.

Concrete Footings, Posts

- 1.87 Cubic Feet per Footing.
- 2000 PSI (Min.)
- 3000 PSI (Min.) If Freezing Conditions Exist.

 Crushed Rock

Concrete

Loose Fill Protective Surfacing

Typical PlayVenture Post

Extruded 6063-T6 Aluminum

Recycled Polyethylene Facia

Finished Grade Sticker

Post Number Sticker

Subgrade

Concurren

Finished Grade

34" 864

20" Minimum* 508

356

14" Minimum

4" 102

* An Example: If you are using 12" of loose fill material, your concrete footing will be 22" deep.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

ASSEMBLED

Bolt Bracket

Rail

Cap Screw

Post

Recycled Aluminum Post

Recycled Polyethylene Facia Boards

5/8" x 2 1/2" BHCS w/Pin

Bolt Bracket

5/8" x 1 1/2" BHCS w/Pin

5/8" Flat Washer

5/8" x 1 1/2" BHCS w/Pin

Rail

5'

127

3 3/4'

95

95

5/8" x 1 1/2" BHCS w/Pin

5/8" Flat Washer

5/8" x 2 1/2" BHCS w/Pin

Bolt Bracket
### Parts List

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
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<td>5/8” x 1 1/2” BHCS w/Pin, SST</td>
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</tr>
<tr>
<td>100203-00</td>
<td>5/8” x 2 1/4” BHCS w/Pin, SST</td>
<td></td>
</tr>
<tr>
<td>100366-00</td>
<td>5/8” Flat Washer, SST</td>
<td></td>
</tr>
<tr>
<td>106028-00</td>
<td>Bolt Bracket, Specify Color</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

- **Fasteners**: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

1. Insert bolt bracket into predrilled post hole and lightly fasten using 5/8” x 1 1/2” BHCS w/pin with 5/8” flat washer.
2. Attach rail of component to bolt bracket using 5/8” x 2 1/4” BHCS w/pin.
3. After component is in final position, final tighten all hardware.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9)

32" Deck - Use 2 Rails (Shown)
40" Deck - Use 3 Rails
56" Deck - Use 4 Rails
72" Deck - Use 5 Rails

5/16" x 2 1/4" Hex-Pin Cap Screws

TenderTuff Coated Handloop

13 5/8"

346

Typical Bolt Bracket

20" / 508

Center to Center

17" / 432

Top of Deck to Center

12" / 305

Top of Deck to Top of Rail

12" / 305

Top of Rail to Top of Rail

TenderTuff Coated 40 7/16" Rail

5/8" x 2 1/4" Hex-Pin Cap Screws

Protective Surfacing

Typical Bolt Bracket

PlayVenture Rail/Handloop Assembly

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PlayVenture Rail/Handloop Assembly

Parts List

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
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<tr>
<td>100366-00</td>
<td>3/8&quot; Flat Washer, SST</td>
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</tr>
<tr>
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<td>100366-00</td>
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<td>2</td>
</tr>
<tr>
<td>100201-00</td>
<td>1/8&quot; x 1 1/2&quot; Hex-Pin Cap Screw, SST</td>
<td>2</td>
</tr>
<tr>
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<td>2</td>
</tr>
<tr>
<td>108569-00</td>
<td>Rail, Specify Color</td>
<td>1</td>
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</table>

Specifications

Rail/Handloop: Fabricated from 1 1/8" O.D. steel tubing with 303 stainless steel welded 1/8" threaded inserts in each end. Finish: Coated with Tendertuff, color specified.


Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1/2 man hours per Rail/Handloop

Weight: 111275-00 - 10 lbs.
        111276-00 - 10 lbs.

1) Insert bolt brackets into predrilled post holes and lightly fasten using 3/8" x 1 1/2" hex-pin cap screw with 3/8" stainless steel washers.
2) Attach Rail/Handloop to bolt bracket using 3/8" x 2 1/4" hex-pin cap screws. Final tighten all hardware.
3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

7-28-99 Document #128935-00 replaces #110183-00. Changed handloop dimension to 13 5/8".
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

Minimum 1.2 Cubic Feet of Concrete Required per Support.

* An Example: If you are using 12" of loose fill material, your concrete footing will be 22" deep.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE:
Surface mounting may not work in all applications. Consult Landscape Structures for your particular requirements.

NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

Drill (4) 3/4" x 3" Holes Into Concrete Slab Using 1/2" Masonry Bit And Hammer Drill

PlayVenture Concrete Specs, Surface Mount

Typical PlayVenture Post

(4) 3/4" x 3" Expansion Anchors w/ 1/2" Flat Washers & 1/2" Standard Hex Nuts

Concrete Surface

Recycled Polyethylene Facia

Finish Grade Sticker

3/8" x 8" Square Aluminum Plate Continuously Welded To Post
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

IMPORTANT: Drill 5/16” diameter by 1” deep pilot hole to start lag screw. Do not hammer lag screw into post/deck.

Typical 5/16” x 2” Stainless Steel Lag Screw
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

Typical Configuration for (4) Decks At Same Height

Square Tenderdeck

Add An Extension

Add Another Extension

Add A Corner Deck

Typical Plan View

Dimension indicates center to center spacing of concrete footings.

Dimension indicates height of deck above finished grade.

Number indicates post number as labeled on bottom of post.

Vertical Ladders - Refer to your plan drawing for locations and the Vertical Ladder spec sheet for installation.

Decks - Refer to your plan drawing for types of decks and their heights. Refer to the appropriate deck spec sheet for installation.

Concrete Footings - Refer to the Typical Concrete Footing spec sheet for installation.

Kick Plates - Refer to your plan drawing for locations and the Kick Plate spec sheet for installation.

Enclosures/ Components - Refer to your plan drawing for locations and their respective spec sheets for installation.
Before Starting, Read the General Construction Guidelines, Installation Hints, All Typical Detail Sheets and Specific Installation Instructions for Each Component Labeled on Your Plan.

1) Dig footing holes spaced as shown on the plan and spec sheets. Refer to the Typical Concrete Footing Spec Sheet.

2) Note the post numbers as shown on the plan and set posts in their appropriate footing holes.

3) Orient the post holes in proper direction for deck installation. Refer to the appropriate deck spec sheet for installation.

4) After all the posts are at proper heights and plumb, and the decks are at proper height and level, install enclosures and components and pour concrete footings as you progress, making sure everything is plumb and level.

5) Install protective surfacing under and around all equipment.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

WARNING
INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT, OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM FALLS.

NOTE: The Playstructure design will determine which Play It Safe sticker will be supplied. You will either receive a Play It Safe sticker for children 2 to 5 years old or 5 to 12 years old.

INSTRUCTIONS:
Surface must be clean and dry prior to applying sticker. Peel backing sheet away from back of sticker and place sticker in position. Using backing sheet, rub over face of sticker to burnish down into place. Choose a location visible to adults in a conspicuous location on product. Stickers work best on painted parts. Do not place on rotationally-molded plastic parts, TenderTuff-coated parts or where children may step and wear off sticker. This applies to both Independent Play items and Composite Playstructures. Apply sticker adjacent to or visible from the primary entrance to the structure. Apply 4'-5' above the surface. Apply at least (1) one to every structure and (2) two to large composite playstructures.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

PB/PV/PS/IP

115176 Warning Label

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SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

PLAN VIEW

Square Deck

40" 40"

Corner Deck

40" 40"

Extension Deck

Typical Flush Mount Post Creates One Large Deck At One Height

Flush Mount Posts

Flush Post Cap - Assembled At The Factory.

Ref. #108584

(2) 1/4" x 7/8" Drive Rivets

Ref. #100613

Holes for Deck Mounting

Post

NOTE:
Refer to deck spec sheets for post/deck assembly.
Guidelines & Standards

Look for compliance to the following guidelines and standards whenever you install playground equipment. It’s your assurance that the products you install meet the most rigorous safety and quality assurance standards.

**ASTM**

The American Society for Testing and Materials (ASTM) is a scientific and technical organization that is a major developer of standards for testing different types of material. ASTM develops standards through a consensus process.

In 1993, the ASTM published a “Standard Consumer Safety Performance Specifications for Playground Equipment for Public Use” designation F1487-93. ASTM is more technical than the CPSC. In 1995 and again in 1998, the ASTM revised and published a new standard, F1487-95.

*American Society for Testing and Materials*

100 Barr Harbor Dr.
West Conshohocken, PA 19428

**CPSC**

The Consumer Products Safety Commission (CPSC) is an independent agency of the federal government whose charter is to inform the public of unreasonable risks associated with consumer products. In 1998, the CPSC printed the Handbook for Public Playground Safety in line with the standards set forth by the ASTM.

*U.S. Consumer Product Safety Commission*

Washington, DC 20207

Landscape Structures is a member in good standing of IPEMA, the International Play Equipment Manufacturers Association. IPEMA is a member-driven international trade organization which represents and promotes an open market for manufacturers of play equipment.

*International Play Equipment Manufacturers Association*

8300 Colesville Road, Suite 250
Silver Spring, MD 20910

In the interest of public playground safety, IPEMA provides a 3rd Party Certification service whereby a designated independent laboratory validates a manufacturer’s certification of conformance to the ASTM F1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, standard.

The use of the seal in Landscape Structures documentation signifies that Landscape Structures has received written validation from the independent laboratory that the product associated with the use of the seal conforms with the requirements of ASTM F1487.

All PlayBooster, PlayOdyssey, PlayVenture, PlayShaper and Independent Playthings shown in the 2001 catalog have been validated by the independent laboratory.

To see a detailed list of IPEMA Certified products visit the world wide web at: www.ipema.org
All new and existing products have been tested to be in conformance to the current draft of the European standard EN1176, Parts 1-6.

Virtually all of the products displayed in the 2000 catalog have been certified to be in conformance with the European Standard EN1176, Parts 1-6. TUV Product Service, Munich Germany is the certifying engineering agency for Landscapes Structures products.

Most products also conform to the Canadian Standards Association (CSA) Standard CAN/CSA-Z614-98, Guideline on Children’s Play Spaces and Equipment.

ISO 14001 is an Environmental tools and systems Management Program. This level of certification establishes the highest level of corporate commitment to the prevention of pollution and fosters a cultural change toward environmental management practices.

ISO 9001 involves the most rigorous standards possible in the ISO 9000 family of standards. ISO 9002 and 9003 are only elements of the complete 9001. ISO 9001 certification combines with our documented safety requirements from ASTM, CPSC, ADA.

ISO 9000 is a framework for conducting business procedures in a way meant to ensure that companies conduct the highest caliber of work possible. ISO means “equal” in Greek, and ISO 9000 standards give the international marketplace a common or equal standard on which to judge quality in manufacturing processes, not quality in products.

Guidelines & Standards
ASSEMBLED

Bolt Bracket

Rail

Cap Screw

Post

Recycled Aluminum Post

Recycled Polyethylene Facia Boards

5/8" x 1 1/2" BHCS w/Pin

5/8" Flat Washer

5/8" x 2 1/2" BHCS w/Pin

Bolt Bracket

PlayVenture

Bracket/Rail Assembly

601 7TH STREET SOUTH, P.O. BOX 198, DELANO, MINNESOTA 55328-0198 (763) 972-3391 1-888-LSI-INSTR (1-888-574-4678) FAX (763) 972-3185

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Document #11019300
PlayVenture Bracket/Rail Assembly

### Parts List

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<th>Part#</th>
<th>Description</th>
<th>Qty</th>
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<td>100201-00</td>
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<tr>
<td>100366-00</td>
<td>5/8&quot; Flat Washer, SST</td>
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</tr>
<tr>
<td>106028-00</td>
<td>Bolt Bracket, Specify Color</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

**Bolt Bracket:** Cast aluminum. Finish: Powdercoat, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 1/2 man hour

### Installation Instructions

1. Insert bolt bracket into predrilled post hole and **lightly** fasten using 5/8" x 1 1/2" BHCS w/pin with 5/8" flat washer.
2. Attach rail of component to bolt bracket using 5/8" x 2 1/4" BHCS w/pin.
3. After component is in final position, final tighten all hardware.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

Bracket/Rail Assembly

ASSEMBLED

Bolt Bracket
Rail
Cap Screw
Post

Recycled Aluminum Post

Recycled Polyethylene Facia Boards

5/8" x 1 1/2" BHCS w/Pin

5/8" Flat Washer

5/8" x 2 1/4" BHCS w/Pin

Bolt Bracket

Rail
**Parts List**

<table>
<thead>
<tr>
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<th>Description</th>
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<tr>
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<td>5/8” x 2 1/4” BHCS w/Pin, SST</td>
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<td>5/8” Flat Washer, SST</td>
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</tr>
<tr>
<td>106028-00</td>
<td>Bolt Bracket, Specify Color</td>
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**Specifications**

**Bolt Bracket:** Cast aluminum. Finish: Powdercoat, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 1/2 man hour

**Installation Instructions**

1) Insert bolt bracket into predrilled post hole and *lightly* fasten using 5/8” x 1 1/2” BHCS w/pin with 5/8” flat washer.

2) Attach rail of component to bolt bracket using 5/8” x 2 1/4” BHCS w/pin.

3) After component is in final position, final tighten all hardware.
Signs

112520 Recycled Materials Sign, PV

THIS PLAYSTRUCTURE IS MADE FROM THE EQUIVALENT OF

| PLASTIC CONTAINERS |
| ALUMINUM CANS |
| SOUP CANS |
| CAR TIRES |

Thanks for recycling!

(2) Sign Posts

(4) \( \frac{3}{8}'' \times \frac{5}{8}'' \) Hex-Pin Cap Screws w/ \( \frac{3}{8}'' \) Hex-Pin Flange Nuts

Concrete

Compacted Gravel

DETAIL

SURFACE MOUNT BASE

(8) \( \frac{3}{8}'' \) Standard Hex Nuts w/ \( \frac{3}{8}'' \) Flat Washers

(8) \( \frac{5}{8}'' \times 2 \frac{3}{4}'' \) Expansion Anchors

Sign Posts

Concrete

DETAIL

DIRECT BURY FOOTING

(2) Sign Posts

Finished Grade

Concrete

864

34"
**Parts List**

<table>
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<tr>
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<tr>
<td>114919-00</td>
<td>Sign Post, Specify Color, (SM)</td>
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<td>112528-00</td>
<td>Sign Panel, Specify Color</td>
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<td>100353-00</td>
<td>3/8&quot; Hex-Pin Flange Nut, SST</td>
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<td>3/8&quot; x 2 3/4&quot; Expansion Anchor</td>
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</tr>
<tr>
<td>100362-00</td>
<td>3/8&quot; Flat Washer, SST</td>
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</table>

**Specifications**

**Permalene Panel:** Two color. Panel measures 19 1/2" wide x 27 3/4" high, color specified.

**Post:** See PlayShaper (PS) General Specifications.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation specifications).

**Installation Time:**

- (DB) Approx. 1 man hour
- (SM) Approx. 1/2 man hour

**Concrete Req:**

- (DB) Approx. 3 cu. ft.
- (SM) Approx. 3 cu. ft.

**Weight:**

- (DB) - 42 lbs.
- (SM) - 33 lbs.

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**Installation Instructions**

**Direct Bury**

1) Dig footings holes to depth and spacing as shown.
2) Attach sign panel to posts as shown, using 3/8" x 5/8" hex-pin cap screws and 3/8" hex-pin flange nuts.
3) Set sign assembly in footing holes and temporarily brace in plumb position.
4) Pour concrete footing. After concrete has set, remove bracing and install protective surfacing before users are allowed to play on the structure.

**Surface Mount**

1) Attach sign panel to posts as shown, using 3/8" x 5/8" hex-pin cap screws and 3/8" hex-pin flange nuts.

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*Specifications are subject to change without notice.*

12-12-96 Document #120998-00 replaces #112533-01. Changed from manufactured to purchased hardware pkg. & added color specified to sign panel specification.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

5/8" x 1 1/2" Hex-Pin Cap Screw w/ 5/8" Flat Washer

4 1/2" Pipe Bolt

25" - 31"/635 - 787 Above Deck

5/8" x 1 1/2" Hex-Pin Cap Screw

Grab Bar

3/4" x 2" BH Lag Screw
### Parts List

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<td>100366-00</td>
<td>5/8” Flat Washer, SST</td>
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<tr>
<td>100388-00</td>
<td>4 1/8” Aluminum Pipe Bolt</td>
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### Installation Instructions

1) Attach grab bar to predrilled hole in post using a 4 1/2” pipe bolt with 
   3/8” x 1 1/2” hex-pin cap screw against face of grab bar and 3/8” x 1 1/2” 
   hex-pin cap screw with 3/8” flat washer against face of post, as shown.
2) Secure grab bar to post by drilling a 3/16” pilot hole into post through 
   hole in hand hold and fasten using 3/8” x 2” BH lag screw.
3) Install protective surfacing before users are allowed to play on the 
   structure.

### Specifications

- **Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).
- **Grab Bar:** Weldment comprised of formed 3/4” O.D. x 11 GA (.120”) and 1/4” x 2 1/2” x 4” HR flat plate. Finish: Tendertuff, brown in color.
- **Pipe Bolt:** Extruded from 1.125” O.D. x .312” W. 6061-T6 aluminum, with 3/8” tapped ends.
- **Installation Time:** Approx. 1/4 man hour
- **Weight:** 4 lbs.
100042 Drop Shot

Concrete Footing

3 1/2" O.D. Support Post

(3) 3/8" x 7/8" Hex-Pin Cap Screws

36" Dia. 914

114"/2896

From Top Of Rim To Play Surface

Play Surface

Support Post

Concrete Footing

Crushed Rock

Subgrade

24" 610

24" 610
Sports & Fitness 100042 Drop Shot

Parts List

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<tr>
<th>Part#</th>
<th>Description</th>
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<tbody>
<tr>
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<tr>
<td>104827-00</td>
<td>Support Post, Specify Color</td>
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<td>Drop Shot Hardware Package</td>
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<td>3/8&quot; x 7/8&quot; Hex-Pin Cap Screw, SST</td>
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</table>

Specifications

Drop Shot: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified. Drop shot measures 3’ in diameter.


Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879.

Installation Time: Approx. 2 1/2 man hours
Concrete Req.: Approx. 8.4 cu. ft.
Area Req.: 25’ diameter
Weight: 98 lbs.

Installation Instructions

1) Dig footing to width and depth shown.
2) Remove shipping assembly plastic disk from post assembly.
3) Insert support pipe into drop shot and line up holes in support bracket to molded in tee nuts in drop shot. Fasten with (3) 3/8” x 7/8” hex-pin cap screws.
4) Place assembly in footing hole and temporarily brace in plumb position.
5) Pour concrete footing and let cure for a minimum of 72 hours before removing braces.
6) Install play surface.
100042 Drop Shot

36" Dia. 914

Roto-Molded Drop Shot

CONCRETE FOOTING

(3) 3/8" x 7/8" Hex-Pin Cap Screws

3 1/2" O.D. Support Post

Play Surface

Support Post

Subgrade

Concrete Footing

Crushed Rock

From Top Of Rim To Play Surface 114"/2896

114"/2896

24" 610

36" 914

24" 610

Subgrade

Concrete Footing

Crushed Rock
Sports & Fitness 100042 Drop Shot

Parts List

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
<tr>
<td>127161-00</td>
<td>Drop Shot, Specify Color</td>
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<td>3/8&quot; x 7/8&quot; Hex-Pin Cap Screw, SST</td>
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Specifications

Drop Shot: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified. Drop shot measures 3' in diameter.


Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879.

Installation Instructions

1) Dig footing to width and depth shown.
2) Remove shipping assembly plastic disk from post assembly.
3) Insert support pipe into drop shot and line up holes in support bracket to molded in tee nuts in drop shot. Fasten with (3) 3/8" x 7/8" hex-pin cap screws.
4) Place assembly in footing hole and temporarily brace in plumb position.
5) Pour concrete footing and let cure for a minimum of 72 hours before removing braces.
6) Install play surface.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE:
Face Plate 111415 Required if Mounted to a Recycled Poly Deck.

Plan View/Footing Layout

- 40"-48" Deck
- 76 1/4" 1937
- 5 1/2"/140
- 7'/2134 Minimum Use Zone

Elevation

- Hood
- Slide
- Finished Grade

- Typical Concrete Footing

Deck Connection - See Detail 2

Support - See Detail 3

PlayVenture
12337 Single Poly Slide, 40"-48"
**Parts List**

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<td>100363-00</td>
<td>1/2&quot; Flat Washer, SST</td>
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**安装说明**

1) **(Direct Bury)** 在所指示的地点挖掘合适大小的基脚。

2) 在底板上插入直径为 7/16" 的钢管螺栓，并在螺栓上安装 5/8" x 2 1/4" 的六角螺帽。将滑梯安装在底板上，确保螺栓从预钻孔插入底板的槽中。使用 3/8" x 7/8" 的六角螺帽和 3/8" SAE 扁平螺母紧固螺栓。参照图示 1。将螺栓固定在底板的槽中，允许其扩张和收缩。紧固螺栓，不要过度紧固。

3) 将支撑物固定在底板的支撑槽中，使用 3/8" x 1 1/4" 的六角螺帽和 3/8" SAE 扁平螺母，橡胶衬垫和 3/8" 扁平螺母。参照图示 3。

4) 将滑梯安装在底板上，使用 3/8" x 7/8" 的六角螺帽和 3/8" 扁平螺母。参照图示 2。

5) **(Direct Bury)** 使用螺栓将滑梯固定在底板上，允许滑梯的上部移动。钻直径为 1/2" x 3" 的深孔，并在底板的支撑槽中钻直径为 1/2" 的孔。将支撑物固定在底板的支撑槽中，使用 1/2" 标准螺母和 1/2" 扁平螺母。参照图示 6。将螺栓固定在底板的支撑槽中，允许其扩张和收缩。紧固螺栓，不要过度紧固。

6) 安装保护性表面防护层，以便于用户在结构上使用。

**规格**

- **滑梯**：旋转定型，从 UV 稳定的低密度聚乙烯材料制成，颜色可选。
- **出口**：焊焊接有直径为 2.375" 的 O.D. RS-20（0.95" - 0.105"）镀锌钢管和直径为 1/4" x 3" 的平板，表面涂有 Powdercoat，颜色可选。
- **紧固件**：主紧固件将被设计成防篡改的，用不锈钢（SST）螺丝紧固，除非另有指示。（见具体产品安装/规格说明）。
- **底板**：从 UV 稳定的低密度聚乙烯材料制成，颜色可选。
- **栏杆**：从直径为 1.125" 的 O.D. x .312" 的 6061-T6 铝合金材料制成。表面涂有 Powdercoat，颜色可选。
- **螺栓支架**：使用 1.125" O.D. x .312" 的 W.6061-T6 铝合金材料制成。表面涂有 Powdercoat，颜色可选。

**安装时间**：约 2.5 人小时
**混凝土需求**：约 1.2 立方英尺
**区域需求**：7 脚使用区
**重量**：84 磅
**落差高度**：40" 底板（1.02m）
48" 底板（1.21m）
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

KEY:

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<th>Deck Hgt.</th>
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<td>40&quot;</td>
<td>B = 34'/864</td>
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<tr>
<td>48&quot;</td>
<td>B = 29'/737</td>
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NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.
### Parts List

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<tr>
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<td>1/4&quot; Standard Hex Nut, SST</td>
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</table>

**DB = Direct Bury**

**SM = Surface Mount**

### Installation Instructions

#### Direct Bury
1. Dig footings spaced as shown.
2. Attach transfer step support to transfer step using 1/4" SAE flat washers, 1/4" x 1/4" BHCS w/pin and 1/4" standard hex nuts.
3. Attach transfer step to deck using 1/4" x 1/4" BHCS w/pin with 1/4" SAE flat washers and 1/4" standard hex nuts with 1/4" SAE flat washers as shown.
4. With deck and steps in level position, pour concrete footings. Allow concrete to cure for a minimum of 72 hours before users are allowed to play on the structure.
5. Install protective surfacing before users are allowed to play on the structure.

#### Surface Mount
1. Attach transfer step mounting plate to transfer step using 1/4" SAE flat washers, 1/4" x 1/4" BHCS w/pin and 1/4" standard hex nuts.
2. Attach transfer step to deck using 1/4" x 1/4" BHCS w/pin with 1/4" SAE flat washers and 1/4" standard hex nuts with 1/4" SAE flat washers as shown.
3. Mark holes for expansion anchors on concrete slab through step mounting plate.
4. Detach step from deck and drill 1/4" x 3" deep holes into concrete on marks using 1/4" masonry bit and hammer drill.
5. Reattach transfer step to deck.
7. Install protective surfacing before users are allowed to play on the structure.

### Specifications

- **Step:** Formed from 12 GA (.105") sheet steel conforming to ASTM A569. Finish: TenderTuff, brown in color.
- **Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).
- **Installation Time:** Approx. 1 man hour
- **Concrete Req.:** DB - 1 cu. ft.
- **Weight:** SM - 46 lbs.
  DB - 55 lbs.

Specifications are subject to change without notice.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 8)

NOTE:
Use this sheet in conjunction with the General Post/Deck Information Sheet.

PLAN VIEW / FOOTING LAYOUT

DETAIl

(4) 3/8" Flat Washers
(4) 3/8" Hex-Pin Cap Screws

(4) 3/8" x 1 1/8" Hex-Pin Cap Screws
(4) 3/8" Standard Hex Nuts

Typical PlayVenture Post

(2) 5/8" x 1 1/2" Hex-Pin Cap Screws w/ 1/8" Flat Washers

(2) 4 3/4" Pipe Bolt Assemblies

Deck Extension

Perforated Areas
Parts List

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
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<td>108571-00</td>
<td>Square Deck Extension</td>
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<td>106601-00</td>
<td>Hardware Package</td>
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<tr>
<td>100198-00</td>
<td>1/4&quot; x 1 1/2&quot; Hex-Pin Cap Screw, SST</td>
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<td>1/4&quot; x 1 1/2&quot; Hex-Pin Cap Screw, SST</td>
<td>2</td>
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<td>100327-00</td>
<td>1/4&quot; Standard Hex Nut, SST</td>
<td>4</td>
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<tr>
<td>100362-00</td>
<td>1/8&quot; Flat Washer, SST</td>
<td>8</td>
</tr>
<tr>
<td>100366-00</td>
<td>1/8&quot; Flat Washer, SST</td>
<td>2</td>
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<tr>
<td>107347-00</td>
<td>4 3/4&quot; Aluminum Pipe Bolt Assembly</td>
<td>2</td>
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</tbody>
</table>

Specifications

Square Deck Extension:
Flange formed from 12 GA (.105") sheet steel conforming to ASTM A569. Standing surface is perforated with 5/16" diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 42" x 47". Finish: TenderTuff, brown in color.

PipeBolt:
Extruded from 1.125" O.D. x .312" W. 6061-T6 aluminum, with 1/4" tapped ends.

Fasteners:
Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 3/4 man hours
Weight: 112 lbs.

Installation Instructions

1) **NOTE:** Use this sheet in conjunction with the general post/deck information sheet, and Typical Concrete Footing Detail sheet. Do not yet pour concrete footings.

2) Position deck extension against face of existing deck and insert 4 3/4" pipe bolt assemblies through underside of deck and into pre-drilled post holes as shown.

3) Attach deck extension to exiting deck using 3/8" x 1 1/8" hex-pin cap screws with 3/8" flat washers and 3/8" standard hex nuts with 3/8" flat washers.

4) Secure pipe bolts to posts with 5/8" x 1 1/8" hex-pin cap screws and 5/8" flat washers.

5) Plumb posts and level deck. After components and enclosures are in place, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.

6) Install protective surfacing before users are allowed to play on the structure.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)
PlayVenture  111241 Balcony Deck

Specifications

Deck: Straight edge flange formed from 12 GA (.105") sheet steel conforming to ASTM A569. Curved edge roll formed from 11 GA (.120") sheet steel conforming to ASTM A569. Standing surface is perforated with 5/16" diameter holes. The finished size measures 2 5/8" x 34" (straight edge) x 17" radius (curved edge). Finish: TenderTuff, brown in color.

Barrier: Weldment comprised of 5/8" solid steel vertical rails, 1 1/8" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" internal threads. Finish: TenderTuff, color specified.

Wheel Clamp: Formed from 5/16" x 2" HRPO zinc-plated. Finish: Powdercoat, color specified.


Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/2 man hours

Weight: 118 lbs.

Fall Height: 8" - 72" (.20m – 1.83m)

Parts List

<table>
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<th>Qty.</th>
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<tr>
<td>122586-00</td>
<td>Barrier, Specify Color</td>
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<td>106028-00</td>
<td>Bolt Bracket, Specify Color</td>
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<td>122950-00</td>
<td>Barrier Balcony Deck Hardware Package</td>
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<td>100198-00</td>
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<td>3</td>
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<td>5/16&quot; x 1 1/2&quot; Hex-Pin Cap Screw, SST</td>
<td>2</td>
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<tr>
<td>100203-00</td>
<td>5/16&quot; x 2 1/4&quot; Hex-Pin Cap Screw, SST</td>
<td>2</td>
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<tr>
<td>100327-00</td>
<td>3/8&quot; Standard Hex Nut, SST</td>
<td>3</td>
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<td>100365-00</td>
<td>3/8&quot; SAE Flat Washer, SST</td>
<td>6</td>
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<td>5/8&quot; Flat Washer, SST</td>
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<td>100365-00</td>
<td>3/8&quot; SAE Flat Washer, SST</td>
<td>4</td>
</tr>
</tbody>
</table>

Installations Instructions

1) (Tenderdeck Attachment) Attach balcony deck to tenderdeck using 5/16" x 1 1/2" hex-pin cap screws with 5/8" SAE flat washers and 5/8" standard hex nuts with 5/8" SAE flat washers. Refer to the Tenderdeck Detail.

2) Insert bolt brackets into predrilled post holes and fasten using 5/8" x 2 1/4" hex-pin cap screws with 5/8" flat washers. Refer to the Typical Bolt Bracket Spec Sheet.

3) Attach barrier tabs to balcony deck using 5/8" x 1 1/2" hex-pin cap screws with 5/8" SAE flat washers and 5/8" standard hex nuts with 5/8" SAE flat washers. Refer to the Barrier/Balcony Deck Detail.

4) Attach barrier to bolt brackets using 5/8" x 2 1/4" hex-pin cap screws, as shown.

5) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

3-15-99  Document # 127848-00 replaces #123220-00. Changed balcony deck standing surface hole diameter from 1/4" to 5/16" diameter.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487: SECTION 9.)

NOTE:
Use this sheet in conjunction with the General Post/Deck information sheet.

PLAN VIEW/FOOTING LAYOUT

Typical PlayVenture Post

Square Tenderdeck

Perforated Areas

(4) 5/8" x 1 1/2" Hex-Pin Cap Screws w/ 5/8" Flat Washers

(4) 4 3/4" Pipe Bolt Assemblies
**Parts List**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
<tr>
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<tr>
<td>100201-00</td>
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<td>4</td>
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<tr>
<td>100366-00</td>
<td>(\frac{3}{8})&quot; Flat Washer, SST</td>
<td>4</td>
</tr>
<tr>
<td>107347-00</td>
<td>4 (\frac{3}{8})&quot; Aluminum Pipe Bolt Assembly</td>
<td>4</td>
</tr>
</tbody>
</table>

**Specifications**

**Square Deck:** Flange formed from 12 GA (.105") sheet steel conforming to ASTM A569. Standing surface is perforated with \(\frac{1}{16}\)" diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2\(\frac{5}{8}\)" x 47" x 47". Finish: TenderTuff, brown in color.

**PipeBolt:** Extruded from 1.125" O.D. x .312" W. 6061-T6 aluminum, with \(\frac{1}{16}\)" tapped ends.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. \(\frac{1}{4}\) man hours

**Weight:** 117 lbs.

---

**Installation Instructions**

1. **NOTE:** Use this sheet in conjunction with the General Post/Deck information sheet, and Typical Concrete Footing Detail sheet. Do not yet pour concrete footings.

2. Lift tenderdeck up into position with posts in corners. Insert 4 \(\frac{3}{8}\)" pipe bolt assemblies through underside of deck and into predrilled post holes as shown.

3. Secure pipe bolts to posts using \(\frac{3}{8}\)" x 1\(\frac{1}{2}\)" hex-pin cap screws with \(\frac{1}{8}\)" flat washers.

4. Plumb posts and level deck. After components and enclosures are in place, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.

5. Install protective surfacing before users are allowed to play on the structure.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487; SECTION 9.)

NOTE:
Use this sheet in conjunction with the General Post/Deck information sheet.
### Parts List

<table>
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<th>Description</th>
<th>Qty.</th>
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<tbody>
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<td>117405-00</td>
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<td>100201-00</td>
<td>5/8” x 1 1/2” Hex-Pin Cap Screw, SST</td>
<td>3</td>
</tr>
<tr>
<td>100366-00</td>
<td>5/8” Flat Washer, SST</td>
<td>3</td>
</tr>
<tr>
<td>107347-00</td>
<td>4 3/4” Aluminum Pipe Bolt Assembly</td>
<td>3</td>
</tr>
</tbody>
</table>

### Specifications

**Triangular Deck:** Flange formed from 12 GA (.105”) sheet steel conforming to ASTM A569. Standing surface is perforated with 5/16” diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size of two of the three sides measures 2 5/8” x 36 1/4” on the face of the deck and the other side measures 2 5/8” x 52”. Finish: TenderTuff, brown in color.

**Pipe Bolt:** Extruded from 1.125” O.D. x .312” W. 6061-T6 aluminum, with 5/8” tapped ends.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 1/2 man hours

**Weight:** 64 lbs.

### Installation Instructions

1. **NOTE:** Use this sheet in conjunction with the General Post/Deck Information sheet, and Typical Concrete Footing Detail Sheet. Do not yet pour concrete footings.

2. Lift tenderdeck up into position with posts in corners. Insert 4 1/4” pipe bolt assemblies through underside of deck and into predrilled post holes as shown.

3. Secure pipe bolts to posts using 5/8” x 1 1/2” hex-pin cap screws with 5/8” flat washers.

4. Plumb posts and level deck. After components and enclosures are in place, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.

5. Install protective surfacing before users are allowed to play on the structure.

---

4-22-99 Document #128186-00 replaces #117953-00. Changed deck standing surface hole diameter from 1/4” to 5/16”.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9)

NOTE:
Refer to your plan drawing for location of footings and layout and direction of SlideWinder sections.

NOTE:
Face Plate 111415 Required if Mounted to a Recycled Poly Deck.

ENTRANCE SECTION ATTACHMENT

(2) 5/8" x 1 1/2" Hex-Pin Cap Screws w/ 5/8" Flat Washers

Top of Panel

4 1/2" 108

33 3/4" 857

(2) 5/8" x 2 1/4" Hex-Pin Cap Screws

Top of Deck

Deck

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" Flat Washers

NOTE:
Refer to your plan drawing for location of footings and layout and direction of SlideWinder sections.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9)

NOTE: Elbow sections will be marked (LH) for left hand and (RH) for right hand.

NOTE: Fasten top of slide section with pockets to bottom of slide section without pockets.

(5) 3/8" x 1 3/8" Hex-Pin Cap Screws w/ 3/8" Flat Washers

NOTE: Fasten top of slide section with pockets to bottom of slide section without pockets.

(3) 3/8" x 1 3/8" Hex-Pin Cap Screws

NOTE: Elbow sections will be marked (LH) for left hand and (RH) for right hand.

NOTE: Do not sandwich support between sections. Mount on outside.

NOTE: Refer to your plan drawing for location of mid-supports and their footing depth (DB).
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE:
Attach bolts in the center of the footer slots to allow for expansion and contraction. Snug bolts down only, do not overtighten!

NOTE: Thickness of unitary protective surfacing depends upon the slide deck height.

NOTE:
Exit Heights may vary if the protective surfacing is not level. Do not put pressure/tension on the entrance section when adjusting the exit height.
## Parts List

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
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<td>40 ½” “Rail, Specify Color</td>
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<td>100322-00</td>
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<td>¾” Hex-Pin Flange Nut</td>
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<tr>
<td>111442-00</td>
<td>Rubber Bushing</td>
<td>2</td>
</tr>
</tbody>
</table>

### Specifications

- **Slide Sections**: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.
- **Rail**: 1 ½” O.D. 6061-T6 aluminum extrusion with ½” walls. Finish: Powdercoat, color specified.
- **Mid-Support**: Weldment comprised of 1.900” O.D. RS-20 (.090” - .100”) galvanized steel tubing and ½” x 1 ½” zinc plated steel strap. Finish: Powdercoat, color specified.
- **Support Base (SM)**: Weldment comprised of 1.660” O.D. RS-20 (.085” - .095”) galvanized steel tubing and ½” x 3” x 8” mounting plate. Finish: Powdercoat, color specified.
- **Exit Footer**: Weldment comprised of 2.375” O.D. RS-20 (.095” - .105”) galvanized steel tubing and ½” x 3” x 7 ½” mounting plate. Finish: Powdercoat, color specified.

**Fasteners**: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation specifications).

### Installation Instructions

1. Refer to your plan drawing for location of footings and direction of SlideWinder sections.
2. **(Direct Bury)** Dig footing holes spaced as shown, depending upon slide. Refer to the Direct Bury Exit Section and Direct Bury Mid-Support Details.
3. Place 40 ½” rail in entrance section and attach bolt brackets using ¾” x 2 ½” hex-pin cap screws.
4. Fasten SlideWinder sections together using ¾” x 1 ½” hex-pin cap screws with ⅜” flat washers. The left elbow section reads (LH) and the right elbow section reads (RH). Refer to the Typical Slide Section Detail.
5. **(Direct Bury)** If required attach mid-supports, refer to your plan drawing for locations. Attach mid-supports to slide using ¾” x 1 ½” hex-pin cap screws. Refer to the Typical Mid-Support Detail.
6. **(Surface Mount)** If required attach mid-supports, refer to your plan drawing for locations. Assemble mid-supports by placing support base inside mid-support and attach using ¾” x 1 ⅜” threaded rod and ½” hex-pin flange nuts. Refer to the Surface Mount/Mid-Support Detail. Attach mid-supports to slide using ¾” x 1 ½” hex-pin cap screws. Refer to the Typical Mid-Support Detail.
7. With SlideWinder fully assembled, attach entrance section to the face of the deck using ¾” x ¾” hex-pin cap screws and ⅜” flat washers.
8. Attach bolt brackets to posts by inserting bolt brackets into predrilled post holes. Fasten using ¾” x 1 ⅜” hex-pin caps screws with ⅜” flat washers. Refer to the Typical Offset Hanger Clamp Spec Sheet.
9. **(Direct Bury)** With supports plum for concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.
10. Install protective surfacing before users are allowed to play on the structure.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)
## Parts List

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<tr>
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## Specifications

### Arch Bridge:
Fabricated from 12 GA (.105") sheet steel conforming to ASTM A569. Standing surface is perforated with 5/16" diameter holes. Finish: TenderTuff, brown in color.

### Panel:
Solid color panel measures 35 3/4" wide x 41" high, color specified.

### Fasteners:
Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Bolt Bracket:

### Installation Time:
Approx. 1 man hour

### Weight:
156 lbs.

---

9-8-99 Document #128878-00 replaces #121661-00. Changed bridge deck standing surface hole diameter to 5/16".
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

32" Deck - Use 2 Rails (Shown)
40" Deck - Use 3 Rails
56" Deck - Use 4 Rails
72" Deck - Use 5 Rails

5/8" x 2 1/4" Hex-Pin Cap Screws

TenderTuff Coated Handloop

5/8" x 2 1/4" Hex-Pin Cap Screws

Typical Bolt Bracket

TenderTuff Coated 40 1/16" Rail

Protective Surfacing

PlayVenture Rail/Handloop Assembly

601 7TH STREET SOUTH, P.O. BOX 198 DELANO, MINNESOTA 55328 (763) 972-3391 1-888-LSI-INST (1-888-574-4678) FAX (763) 972-3185

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Document #12893500
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**PlayVenture Rail/Handloop Assembly**

---

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---

### Specifications

**Rail/Handloop:** Fabricated from 1 1/8” O.D. steel tubing with 303 stainless steel welded 5/8” threaded inserts in each end. Finish: Coated with Tendertuff, color specified.

**Bolt Bracket:** Cast aluminum. Finish: Powdercoat, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 1/2 man hours per Rail/Handloop

**Weight:**
- 111275-00: 10 lbs.
- 111276-00: 10 lbs.

---

**Installation Instructions**

1. Insert bolt brackets into predrilled post holes and lightly fasten using 5/8” x 1 1/2” hex-pin cap screw with 5/8” stainless steel washers.
2. Attach Rail/Handloop to bolt bracket using 5/8” x 2 1/4” hex-pin cap screws. Final tighten all hardware.
3. Install protective surfacing before users are allowed to play on the structure.

---

Specifications are subject to change without notice.

7-28-99 Document #128935-00 replaces #110183-00. Changed handloop dimension to 13 5/8”.

---

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

PLAN VIEW
FOOTING PLAN

40" - 48" Deck
3 1/4"/ 83
21" 21"
533 533

(2) Handhold Panels

Typical Mainstructure Post

TENDERDECK

Vertical Ladder

(2) 3/8" Standard Hex Nut w/ 3/8" SAE Flat Washers

(2) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

Surface Mount (40" Deck)

(2) 1/2" Standard Hex Nuts w/ 1/2" Flat Washers
(2) 3/8" x 2 3/4" Expansion Anchors
(2) 3/8" x 1 1/2" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

Surface Mount (48" Deck)

(2) 1/2" Standard Hex Nut w/ 1/2" Flat Washer
(1/2" x 2 3/4" Expansion Anchor

Unitary Protective Surfacing

Concrete Slab

Compacted Gravel

DETAIL
PANEL ATTACHMENT

Vertical Ladder:
3/8" x 7/8" Hex-Pin Flange Nuts
Screw w/ 3/8" Low Crown Cap Nut & 3/8" SAE Flat Washer

Panel

(2) Spacer Tubes
(2) 3/8" x 3 3/4" Hex-Pin Cap Screws

DETAIL
Surface Mount (40" Deck)

(2) 1/2" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

Surface Mount (48" Deck)

(2) 1/2" x 2 3/4" Expansion Anchors
(2) 3/8" Hex-Pin Flange Nuts
(2) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

UNITARY PROTECTIVE SURFACING

Concrete Slab

Compacted Gravel

Loose Fill Protective Surfacing

(2) 3/8" x 1 1/2" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

Direct Bury

Loose Fill Protective Surfacing

Concrete

20' Minimum

40" Deck - 38'/965
48" Deck - 30'/965

Footer

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## Parts List

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## Installation Instructions

### Direct Bury

1. Dig footing to depth and spacing, as shown.
2. Attach footer to ladder using a 5/8" x 1" hex-pin cap screw with a 5/8" SAE flat washer and a 5/8" low crown cap nut, as shown.
3. **(Tenderdeck Mounting)** Attach ladder to deck using 5/8" x 1" hex-pin cap screws with 5/8" SAE flat washers and 5/8" standard hex nuts with 5/8" SAE flat washers, as shown.

### (Recycled Deck Mounting)

Attach ladder in correct position, drill 5/8" pilot holes into boards through holes in ladder. Fasten using 5/8" x 2" BH lag screws with 5/8" SAE flat washers. See Detail.

### (Tenderdeck Mounting)

Attach handhold panel to the face of the deck using 5/8" x 1" hex-pin cap screws with 5/8" SAE flat washers and 5/8" hex-pin flange nuts, as shown. **NOTE:** Be sure handhold panels are snug to vertical ladder.

### (Recycled Deck Mounting)

With handhold panel in correct position, drill 5/8" pilot holes into boards through holes in panels. Fasten using 5/8" x 2" BH lag screws with 5/8" SAE flat washers. See Detail. **NOTE:** When the cap screw from the deck conflicts with the panel, drill out the 5/8" pilot hole in the panel using a 1" hole saw.

### (Recycled Deck Mounting)

With ladder in correct position, drill 7/8" pilot holes into boards through holes in ladder. Fasten using 3/8" x 7/8" hex-pin cap screws, spacer tubes and 7/8" hex-pin flange nuts. See Panel Attachment Detail.

### (Recycled Deck Mounting)

With ladder plumbed, pour concrete footing. Allow concrete footing to cure a minimum of 72 hours before users are allowed to play on the structure.

### Surface Mount

Install protective surfacing before users are allowed to play on the structure.

### Vertical Ladder

- **Width:** Weldment comprised of 1.125" O.D. 11 GA (.120") steel tubing, 1.029" O.D. RS-20 (.070" - .080") and 1/4" x 2" wide steel flat plates. Finish: TenderTuff, color specified.
- **Color:** Powdercoat, color specified.

### Footer

- **Material:** Fabricated from 1.315" O.D. RS-20 (.080" - .090") galvanized steel tubing. Finish: Powdercoat, color specified.

### Handhold Panel

- **Material:** Solid color permalene, color specified.
- **Color:** Powdercoat, color specified.

### Spacer Tube

- **Material:** Made from 6061-T6 aluminum 3/8" O.D. x 1 11/16". Finish: Powdercoat, color specified.

### Fasteners

- **Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).**

### Bolt Bracket

- **Material:** Cast aluminum. Finish: Powdercoat, color specified.

### Installation Time

- **DB:** Approx. 1 1/2 man hour
- **SM:** Approx. 1 man hour

### Concrete Req.

- **40' Deck - Approx. 3.0 cu. ft.**
- **48' Deck - Approx. 4.1 cu. ft.**

### Weight

- **40' Deck:** 36 lbs.
- **48' Deck:** 43 lbs.

---

**Specifications**

- **Surface Mount:** The Footer (SM) is used for the 48" deck height, and the Angle Plate (SM) is used for the 40" deck height.
- **Note:** The Footer (SM) is used for the 48" deck height, and the Angle Plate (SM) is used for the 40" deck height.

---

5-1-00 Document #13048100 replaces #12617200. Added corner cutout to Handhold Panels.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 6.)

NOTE:

When installing against Recycled Decks, ladder must be positioned with relief on 36 1/2" board facing Vertical Ladder.

DETAIL

RECYCLED DECKS

(2) 3/8" x 2" BH Lag Screws w/ 3/8" SAE Flat Washers

(2) 3/8" x 2" BH Lag Screws w/ 3/8" SAE Flat Washers

36 1/2" Poly Board

(2) 5/8" x 1 1/2" Hex-Pin Cap Screws w/ 5/8" Flat Washers (Supplied with Deck)

Vertical Ladder

(2) 3/8" Low Crown Cap Nut

Footer

3/8" x 7/8" Hex-Pin Cap Screw w/ 3/8" SAE Flat Washer

Typical PlayVenture Mainstructure Post

(2) Handhold Panels

(2) Typical Bolt Bracket Assemblies

Drill 1" Hole in Panel for Cap Screw Clearance

36 1/2" Poly Board

Relief

(2) 3/8" x 1 1/2" Hex-Pin Cap Screws w/ 3/8" Flat Washers (Supplied with Deck)

Vertical Ladder

(2) Handhold Panels

36 1/2" Poly Board

Relief
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE:
The Sound Chimes Panel is preassembled at the factory. The drawing is exploded for reference only.

COLOR COMBINATIONS:
- Yellow Sound Panel w/ Red/Ylw Cover Panels
- Red Sound Panel w/ Ylw/Red Cover Panels
- Tan Sound Panel w/ Red/Ylw Cover Panels
- Blue Sound Panel w/ Tan/Blue Cover Panels
- Green Sound Panel w/ Tan/Green Cover Panels

DECK MOUNT

(2) 3/8" x 3 3/4" Hex-Pin Cap Screws

(2) 3/8" x 3/8" Hex-Pin Flange Nuts

(2) Spacer Tubes

(2) Typical Bolt Bracket Assemblies

(2) 3/8" Hex-Pin Flange Nuts

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

(4) 3/8" Hex-Pin Flange Nuts

(4) 3/8" x 2" BH Lag Screws

(4) 3/8" SAE Flat Washers

NOTE:
The Sound Chimes Panel is preassembled at the factory. The drawing is exploded for reference only.
### Parts List

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### Specifications

**Permalene Panel:** Solid color panel measures 35 ⅝" wide x 41" high, color specified.

**Chimes:** Fabricated from 6063-T832 aluminum. Finish: Anodized per Mil - A - 8625 type 2, class 1.

**Angled Panel Bracket:** Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6061-T6 aluminum threaded tubes 1 ⅜" O.D. x 1 ½" long. Finish: Powdercoat, color specified.

**Spacer Tube:** Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: Powdercoat, color specified.

**Bolt Bracket:** Cast aluminum. Finish: Powdercoat, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

**ABOVE DECK (See Sheet 1 of 2)**

1. **(Tenderdeck Mounting)** Attach panel to the face of the deck using ¼" x ¾" hex-pin cap screws with ¼" SAE flat washers and ⅜" hex-pin flange nuts. See Detail.

   **(Recycled Deck Mounting)** With panel in correct position, drill ⅜" pilot holes into boards through holes in panel. Fasten using ¼" x 2" BH SST lag screws with ¼" SAE flat washers. See Detail.

2. Insert bolt brackets into predrilled post holes and fasten using ⅜" x 1 ½" hex-pin cap screws with ⅜" flat washers. See Typical Bolt Bracket Spec Sheet.

3. Attach panel to bolt brackets using ⅜" x 3 ¾" hex-pin cap screws, spacer tubes and ⅜" hex-pin flange nuts. See Panel Attachment Detail.

4. Install protective surfacing before users are allowed to play on the structure.

**BELOW DECK (See Sheet 2 of 2)**

1. Insert bolt brackets into predrilled post holes and fasten using ⅜" x 1 ½" hex-pin cap screws with ⅜" flat washers. See Typical Bolt Bracket Spec Sheet.

2. Attach angled panel bracket to bottom of panel using ⅜" x ⅜" hex-pin cap screws and ⅜" hex-pin flange nuts. See Below Deck Mount.

3. Attach angled panel bracket with panel to bolt brackets using ⅜" x 2 ¼" hex-pin cap screws. See Below Deck Mount.

4. Attach top of panel to bolt brackets using ⅜" x 3 ¾" hex-pin cap screws, spacer tubes and ⅜" hex-pin flange nuts. See Below Deck Mount.

5. Install protective surfacing before users are allowed to play on the structure.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

Bracket/Panel Height Table

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<td>48&quot;</td>
<td>4&quot;/102</td>
</tr>
<tr>
<td>56&quot; And Higher</td>
<td>12&quot;/305</td>
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 8)

DETAIL

PANEL ATTACHMENT

(2) Typical Bolt Bracket Assemblies

(2) 3/16" Hex-Pin Cap Screws

(2) Spacer Tubes

(2) 3/8" x 3 3/4" Hex-Pin Cap Screws

TENDERDECKS

Panel

(4) 3/8" Hex-Pin Cap Screws

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

RECYCLED DECKS

Panel

(4) 3/8" Hex-Pin Cap Screws

(4) 3/8" x 2" BH Lag Screws

(4) 3/8" SAE Flat Washers

NOTE: Steering Wheel Infill Panel available. Refer to the Wheel Spec Sheet.
Parts List

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>106028-00</td>
<td>Bolt Bracket, Specify Color</td>
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<tr>
<td>113468-00</td>
<td>Spacer Tube, Specify Color</td>
<td>2</td>
</tr>
<tr>
<td>128206-00</td>
<td>Driver Panel, Specify Color</td>
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<tr>
<td>108432-00</td>
<td>Wheel, Specify Color</td>
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</tr>
<tr>
<td>127242-00</td>
<td>Steering Wheel Bracket, Specify Color</td>
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<tr>
<td>121066-00</td>
<td>Hub, Specify Color</td>
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128844-00  Driver Panel Hardware Package ................... 1
100195-00  3/8" x 3/4" Hex-Pin Cap Screw, SST .............. 2
100353-00  5/8" Hex-Pin Flange Nut .......................... 4
116788-00  1/4" x 1 5/8" Spring Pin, SST .................. 1
128544-00  Cap, White ......................................... 1
123115-00  Threaded Rod .......................... 1

124984-00  Tenderdeck Mounting Hardware Package ..... 1
124460-00  1/4" x 3 1/2" Hex-Pin Cap Screw, SST ......... 2
100196-00  3/8" x 3/4" Hex-Pin Cap Screw, SST ............ 4
100201-00  1/4" x 1 5/8" Hex-Pin Cap Screw, SST .......... 2
100353-00  5/8" Hex-Pin Flange Nut .......................... 6
100365-00  1/4" SAE Flat Washer, SST ....................... 4
100366-00  5/8" Flat Washer, SST ............................ 2

124985-00  Recycled Deck Mounting Hardware Package .... 1
100134-00  1/4" x 2" BH Lag Screw, SST .......................... 4
124460-00  1/4" x 3 1/2" Hex-Pin Cap Screw, SST ......... 2
100201-00  1/4" x 1 5/8" Hex-Pin Cap Screw, SST .......... 2
100353-00  5/8" Hex-Pin Flange Nut .......................... 2
100365-00  1/4" SAE Flat Washer, SST ....................... 2
100366-00  5/8" Flat Washer, SST ............................ 4

BELOW DECK

106028-00  Bolt Bracket, Specify Color .......................... 4
113468-00  Spacer Tube, Specify Color .......................... 2
113464-00  Angled Panel Bracket, Specify Color .............. 1
127242-00  Steering Wheel Bracket, Specify Color .......... 1
128206-00  Driver Panel, Specify Color .......................... 1
108432-00  Wheel, Specify Color .............................. 1
121066-00  Hub, Specify Color .............................. 2

128844-00  Driver Panel Hardware Package ................... 1
100195-00  1/4" x 3/4" Hex-Pin Cap Screw, SST .............. 2
100353-00  5/8" Hex-Pin Flange Nut .......................... 4
116788-00  1/4" x 1 5/8" Spring Pin, SST .................. 1
128544-00  Cap, White ......................................... 1
123115-00  Threaded Rod .......................... 1

124986-00  Below Deck Mounting Hardware Package ....... 1
124460-00  1/4" x 3 1/2" Hex-Pin Cap Screw, SST ......... 2
100195-00  3/8" x 3/4" Hex-Pin Cap Screw, SST ............ 4
100201-00  1/4" x 1 5/8" Hex-Pin Cap Screw, SST .......... 4
100203-00  1/4" x 2 1/4" Hex-Pin Cap Screw, SST .......... 2
100353-00  5/8" Hex-Pin Flange Nut .......................... 6
100366-00  1/4" Flat Washer, SST ............................ 4

Specifications

Permalene Panel: Two color panel measures 35 1/4" wide x 41" high, color specified.
Hub: Solid color permalene, color specified.

Specifications are subject to change without notice.

Installation Instructions

ABOVE DECK (See Sheet 1 of 2)

1) (Tenderdeck Mounting) Attach panel to the face of the deck using 3/8" x 3/4" hex-pin cap screws with 5/8" SAE flat washers and 5/8" hex-pin flange nuts. See Detail.

(Recycled Deck Mounting) With panel in correct position, drill 5/4" pilot holes into boards through holes in panel. Fasten using 5/8" x 2" BH SST lag screws with 5/8" SAE flat washers. See Detail.

2) Insert bolt brackets into predrilled post holes and fasten using 5/8" x 3 1/2" hex-pin cap screws with 5/8" flat washers. See Typical Bolt Bracket Spec Sheet.

3) Attach panel to bolt brackets using 3/8" x 3 1/2" hex-pin cap screws, spacer tubes and 5/8" hex-pin flange nuts. See Panel Attachment Detail.

4) Attach wheel as shown on sheet 1.

5) Assemble hubs to panel using hubs, threaded rod and 5/8" hex-pin flange nuts. Refer to the Hub Assembly Detail.

6) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK (See Sheet 2 of 2)

1) Insert bolt brackets into predrilled post holes and fasten using 5/8" x 1 1/2" hex-pin cap screws with 5/8" flat washers. See Typical Bolt Bracket Spec Sheet.

2) Attach angled panel bracket to bottom of panel using 5/8" x 3 1/2" hex-pin cap screws and 5/8" hex-pin flange nuts. See Below Deck Mount.

3) Attach angled panel bracket to panel using bolt brackets using 5/8" x 2 1/4" hex-pin cap screws. See Below Deck Mount.

4) Attach top of panel to bolt brackets using 5/8" x 3 3/4" hex-pin cap screws, spacer tubes and 5/8" hex-pin flange nuts. See Below Deck Mount.

5) Attach wheel as shown on sheet 2.

6) Assemble hubs to panel using hubs, threaded rod and 5/8" hex-pin flange nuts. Refer to the Hub Assembly Detail.

7) Install protective surfacing before users are allowed to play on the structure.
NOTE:
Wheel can be installed facing outward. Refer to your plan drawing for direction of Wheel.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE: When attaching to a Recycled Poly Deck, use 3/8" x 2" BH lag screws w/3/8" SAE flat washers.

32" - 40" Deck Heights
48" - 56" Deck Heights
64" - 72" Deck Heights
### Specifications

**Firepole:** Formed from 1.900" O.D. (.090" - .100") galvanized steel tubing. Finish: Powdercoat, color specified.

**Formed Overhead**
- **Rail:** Formed from 1.315" O.D. RS-20 (.080" - .090") galvanized steel tubing. Finish: Powdercoat, color specified.

**Handhold Panel:** Solid color permalene, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Bolt Bracket:** Cast aluminum. Finish: Powdercoat, color specified.

**Installation Time:**
- **SM** - Approx. 1 1/2 man hours
- **DB** - Approx. 2 man hours

---

### Installation Instructions

1. **(Direct Bury)** Dig footing hole as shown.

2. Insert bolt brackets into predrilled post holes and fasten using 5/8" x 2 1/4" hex-pin cap screws. Refer to the Typical Bolt Bracket Spec Sheet.

3. Attach top pipe to bolt brackets using 5/8" x 2 1/4" hex-pin cap screws with 3/8" hex-pin cap screws and 3/8" hex-pin flange nuts. Refer to the Handhold Panel Attachment Detail.

4. Attach handhold panels to the flanges on the top pipe using 3/8" x 7/8" hex-pin cap screws with 3/8" flat washers and bolts.

5. **(Tenderdeck Mounting)** Attach handhold panels to the face of the deck using 5/8" x 2 1/4" hex-pin cap screws with 3/8" SAE flat washers and 3/8" hex-pin flange nuts.

6. **(Recycled Deck Mounting)** With the handhold panels in the correct position, drill 1/8" pilot holes into boards through holes in panels. Fasten 5/8" x 2" BH lag screws with 3/8" SAE flat washers.

7. **(Direct Bury)** With firepole plumb, pour concrete footing. Allow concrete footing to cure a minimum of 72 hours before users are allowed to play on the structure.

8. Install protective surfacing before users are allowed to play on the structure.

---

**Concrete Req.:** Approx. 1.5 cu. ft.

**Weight:**
- 32" - 40" - 54 lbs.
- 48" - 56" - 57 lbs.
- 64" - 72" - 59 lbs.

**Fall Height:**
- 32" (81m) (Height of the take-off platform)
- 40" (1.02m)
- 48" (1.22m)
- 56" (1.42m)
- 64" (1.63m)
- 72" (1.83m)
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487: SECTION 9)

NOTE: Kick Plates mount to face of lower deck.
**Installation Instructions**

1) Locate kick plates as labeled on your plan drawing.

2) Attach kick plate using \( \frac{3}{8}'' \times \frac{7}{8}'' \) hex-pin cap screws with \( \frac{3}{8}'' \) flat washers and \( \frac{3}{8}'' \) standard hex nuts with \( \frac{3}{8}'' \) flat washers, as shown.  
   **NOTE:** Kick plates mount to face of lower deck.

3) Install protective surfacing before users are allowed to play on the structure.

---

**Parts List**

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>121820-00</td>
<td>Kick Plate (For 8'' Rise), Brown</td>
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<tr>
<td>121822-00</td>
<td>Kick Plate (For 16'' Rise), Brown</td>
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<td>122201-00</td>
<td>Kick Plate Tenderdeck Hardware Package</td>
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<tr>
<td>100196-00</td>
<td>( \frac{3}{8}'' \times \frac{7}{8}'' ) Hex-Pin Cap Screw, SST</td>
<td>6</td>
</tr>
<tr>
<td>100327-00</td>
<td>( \frac{3}{8}'' ) Standard Hex Nut, SST</td>
<td>6</td>
</tr>
<tr>
<td>100362-00</td>
<td>( \frac{3}{8}'' ) Flat Washer, SST</td>
<td>12</td>
</tr>
</tbody>
</table>

---

**Specifications**

**Kick Plate:** Fabricated from 11 GA (.120'') HR flat steel. Finish: TenderTuff, brown in color.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. \( \frac{1}{4} \) man hour

**Weight:**
- Kick Plate (For 8'' Rise) 13 lbs.
- Kick Plate (For 16'' Rise) 33 lbs.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9)

NOTE: Kick Plates mount to face of lower deck.
PS/PB 121948 Kick Plates, Tenderdecks, 8" & 16"

Parts List

<table>
<thead>
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<tr>
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<td>121818-00</td>
<td>Kick Plate (For 16&quot; Rise), Brown</td>
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<td>122202-00</td>
<td>Kick Plate Tenderdeck Hardware Package</td>
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<td>100196-00</td>
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<td>100327-00</td>
<td>3/8&quot; Standard Hex Nut, SST</td>
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<tr>
<td>100362-00</td>
<td>3/8&quot; Flat Washer, SST</td>
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Specifications

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff, brown in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1/4 man hour

Weight: Kick Plate (For 8" Rise) 13 lbs.

Installation Instructions

1) Locate kick plates as labeled on your plan drawing.
2) Attach kick plate using 3/8" x 7/8" hex-pin cap screws with 3/8" flat washers and 3/8" standard hex nuts with 3/8" flat washers, as shown.

NOTE: Kick plates mount to face of lower deck.
3) Install protective surfacing before users are allowed to play on the structure.
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 8.)

BEFORE YOU BEGIN...

If this SpyroSlide is to be installed on any playstructure other than the 56" high deck on a PlayVenture, contact Landscape Structures before you begin.

With three people, approximate installation time is 2 1/2 hours.

Check that all parts are included in the package (see listing on back page) and have not been damaged in shipment.

If you notice any damage, do not begin assembly. Notify the carrier claims agent and Landscape Structures.

Read the entire instruction sheet before you begin.

IMPORTANT PRECAUTIONS!

At least three people are required to safely install the SpyroSlide. Do not attempt it by yourself!

Do not allow the slide to be used until:

- Concrete footings have cured at least 3 days.
- Protective surfacing is installed around slide.

TOOLS REQUIRED

- Hex-Pin Allen Wrenches (Supplied)
- 16 oz. Hammer
- 9/16" Wrench or Crescent Wrench
- Carpenters Level
- Tape Measure
- Suitable equipment to dig footing holes and pour concrete footings.

ELEVATION

PLAN VIEW
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

BARRIER/DECK/SLIDE ASSEMBLY

(4) 5/8" x 1 1/2" Hex-Pin Cap Screws w/ 5/8" Flat Washers

Typical PlayVenture Post

(4) 3/8" x 1 3/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

(4) 3/8" Hex-Pin Flange Nuts

(2) Barrier Plates

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

(8) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

(2) Barrier Plates

(4) 3/8" x 11/16" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

Handbar

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

PlayVenture

122033 SpyroSlide 56", DB

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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

SPYROSLEDGE EXIT SUPPORT

DETAIL

FOOTING LAYOUT

Concrete Footing

56\(^{\circ}\) Deck

Center Column

Concrete Footing

Exit Support

(2)\(\frac{3}{8}\)" Flat Washers
(2) Rubber Bushings
(2) \(\frac{3}{4}\)" SAE Flat Washers
(2) \(\frac{3}{8}\)" x 1 \(\frac{1}{2}\)" Hex-Pin Limited Thread Bolts

DETAIL

SLIDE EXIT FOOTING

Loose Fill Protective Surfacing

Concrete Footing

20" Minimum

DETAIL

CENTER COLUMN FOOTING

Loose Fill Protective Surfacing

Concrete Footing

20" Minimum

 SpyroSlide

Center Column

Exit Support
### Parts List

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<td>100366-00</td>
<td>1/4&quot; Flat Washer, SST</td>
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### Specifications

**Slide, Hood & Barriers:** Rotationally molded from U.V. stabilized linear low-density polyethylene, color specified.

**Handbar:** Formed from 1/4" O.D. 11 GA (.120") steel tubing. Finish: TenderTuff, brown in color.

**Center Column:** Fabricated from 3.500" O.D. RS-20 (.120" - .130") galvanized steel tubing. Finish: Powdercoat, color specified.

**Barrier Plates:** Fabricated from 1/4" x 1 1/2" zinc plated HR flat steel. Finish: Powdercoat, color specified.

**Entrance Deck:** Flange formed from 12 GA (.105") sheet steel conforming to ASTM A569. Standing surface is perforated with 1/16" diameter holes and measures 32 1/8" wide x 36 1/2" long. Finish: TenderTuff, brown in color.

**Pipe Bolts:** 1 3/8" O.D. 6061-T6 aluminum extrusion with 1/16" walls. Unit coated with a baked-on polyester powdercoating, color specified.

**Exit Support:** Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 3" x 11 1/2" mounting plate. Finish: Powdercoat, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

1. Dig footing holes to the spacing and depth shown.
2. Preassemble the spyroslide and hood over a clean non-scratching surface.
3. Slide the center column into the spyroslide, and butt it up tight against the bottom sleeve.
4. Attach the hood to the spyroslide using 1/4" x 1 1/2" hex-pin cap screws with 1/4" SAE flat washers and 1/4" hex-pin flange nuts. Refer to the Barrier/Deck/Slide Assembly.
5. With three people minimum attach the entrance deck to the face of the mainstructure deck using 1/4" x 1 1/2" hex-pin cap screws with 1/4" SAE flat washers and 1/4" standard hex nuts with 1/4" SAE flat washers. Refer to the Barrier/Deck/Slide Assembly.
6. Set the preassembled spyroslide into the footing hole with inserts in line with the holes in the face of the entrance deck. Attach using 1/4" x 1 1/2" hex-pin cap screws with 1/4" SAE flat washers. Refer to the Barrier/Deck/Slide Assembly.
7. Set the exit support to the spyroslide using 1/4" x 1 1/4" hex-pin limited thread bolts, 1/4" SAE flat washers, rubber bushings and 1/4" flat washers. **NOTE:** Attach bolts in the center of the slots to allow for expansion and contraction. Snag bolts down only, do not overtighten. Refer to the Exit Support Detail.
8. Attach the barrier plates to the barriers using 1/4" x 1 1/2" hex-pin cap screws. Refer to the Barrier/Deck/Slide Assembly.
9. Attach the barrier plates with barriers to the spyroslide and hood using 1/4" x 1 1/2" hex-pin cap screws with 1/4" SAE flat washers. Refer to the Barrier/Deck/Slide Assembly.
10. Insert bolt brackets into predrilled holes in posts and fasten using 1/4" x 1 1/2" hex-pin cap screws with 1/4" flat washers. See Typical Bolt Bracket Spec Sheet.
11. Attach barriers to bolt brackets with 4 1/4" pipe bolts between barriers and bolt brackets. Attach barriers to pipe bolts using 1/4" x 2 1/4" hex-pin cap screws with 1/4" flat washers placed on each side of barrier. Attach pipe bolts to bolt brackets using 1/4" x 2 1/4" hex-pin cap screws. Refer to the Barrier/Deck/Slide Assembly.
12. Attach handbar to hood using 1/4" x 1 1/2" hex-pin cap screws with 1/4" SAE flat washers. Refer to the Barrier/Deck/Slide Assembly.
13. Level barriers and entrance deck. You may need to prop up slide to do so.
14. With slide plumb and level, pour concrete footings. Let concrete cure for a minimum of 72 hours before users are allowed to play on the structure.
15. Install protective surfacing before users are allowed to play on the structure.

**Specifications are subject to change without notice.**

**Installation Time:** Approx. 2 1/2 hours with 3 people

**Concrete Req.:** Approx. 6 cu. ft.

**Area Req.:** 8’ minimum use zone at Exit

**Weight:** 339 lbs.

**Fall Height:** 56” (1.42 m)
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

NOTE: Use lower holes for attaching handrails.

NOTE: Holes indicated must be located at the top to allow the handrails to be installed correctly.

NOTE: When installing a 56", DB off of a 48" deck, or a 72" DB off of a 64" deck, the ladder will be buried 8" deeper. Dig footings 8" deeper to compensate.
PlayVenture 116246 Step Ladders


Spacer Tube: Made from 6061-T6 aluminum ½" O.D. x ¼" fl - Finish: Powdercoat, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).


Installation Time: SM - Approx. 1/2 man hours
DB - Approx. 2 man hours

Concrete Req.: Approx. 1.4 cu. ft.
Weight:
- 32" Step Ladder (SM) - 88 lbs.
- 32" Step Ladder (DB) - 98 lbs.
- 40" Step Ladder (SM) - 104 lbs.
- 40" Step Ladder (DB) - 114 lbs.
- 56" Step Ladder (SM) - 141 lbs.
- 56" Step Ladder (DB) - 151 lbs.
- 72" Step Ladder (SM) - 183 lbs.
- 72" Step Ladder (DB) - 193 lbs.

Fall Height:
- 32" Deck (31m)
- 40" Deck (1.2m)
- 56" Deck (1.4m)
- 72" Deck (1.8m)

Installation Instructions

1) (Direct Bury) Dig footing holes spaced as shown. Attach support to step ladder using ⅞" hex-pin cap screws and ½" standard hex nuts with ⅞" SAE flat washers.

(Surface Mount 72" Step Ladder Only) Attach support to step ladder using ⅞" hex-pin cap screws and ½" standard hex nuts with ⅞" SAE flat washers.

2) Insert bolt brackets into predrilled post holes and fasten using ⅞" x 1½" hex-pin cap screws with ⅞" flat washers. See Typical Bolt Bracket Spec Sheet.

3) Attach handhold panels to bolt brackets using ⅞" x 3½" hex-pin cap screws, spacer tubes and ⅞" hex-pin flange nuts. See Panel Attachment Detail.

4) (Tenderdeck Mounting) Attach step ladder to deck using ⅞" x ⅞" hex-pin cap screws with ⅞" SAE flat washers and ⅞" standard hex nuts with ⅞" SAE flat washers, as shown.

(Recycled Mounting) With step ladder in correct position, drill ⅞" pilot holes into boards through holes in step ladder. Fasten using ⅞" x 2½" BH lag screws with ⅞" SAE flat washers. See Detail.

5) (Tenderdeck Mounting) Attach handhold panel to the face of the deck using ⅞" x ⅞" hex-pin cap screws with ⅞" SAE flat washers and ⅞" hex-pin flange nuts, as shown.

(Recycled Mounting) With handpanel in correct position, drill ⅞" pilot holes into boards through holes in handpanel panels. Fasten using ⅞" x 2½" BH lag screws with ⅞" SAE flat washers. See Detail.

6) Attach handrails to sides of step ladder using ⅞" x ⅞" hex-pin cap screws with ⅞" SAE flat washers.

7) Using a ⅞" drill bit, drill out the lower ⅞" pilot hole in each handpanel panel for attaching handrails.

8) Attach handrails to handpanel panels using ⅞" x 1½" hex-pin cap screws, as shown.

9) (Direct Bury) With step ladder plumb, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.

(Surface Mount) Mark anchor bolt locations on concrete slab through holes in base of step ladder. Remove step ladder and drill ⅞" x 3½" deep holes to marks into concrete using ⅞" masonry bit and hammer drill. Tap expansion anchors into drilled holes. Reposition step ladder and reattach to face of deck following step #4. Fasten base of step to expansion anchors using ⅞" standard hex nuts with ⅞" SAE flat washers.

10) Install protective surfacing before users are allowed to play on the structure.

Specifications

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DB = Direct Bury
SM = Surface Mount
RH = Right Hand
LH = Left Hand

Specifications

Ladder: Formed from 16 GA (.060") HRPO sheet steel with ⅞" perforated holes for steps and 14 (.075") GA HRPO sheet steel for sides. Finish: TenderTuff, brown in color.
Handhold Panel: Solid color permalene, color specified.

Formed from 1.125" O.D. 11 GA (.120") galvanized steel tubing. Finish: TenderTuff, color specified.

Specifications are subject to change without notice.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

DETAIL
STEP TO DECK

(2) \( \frac{3}{8} \)" x \( \frac{7}{8} \)" Hex-Pin Cap Screws w/ \( \frac{3}{8} \)" SAE Flat Washers

(2) \( \frac{3}{8} \)" Standard Hex Nuts w/ \( \frac{3}{8} \)" SAE Flat Washers

PLAN VIEW/FOOTING LAYOUTS

72" Step Ladder
56" Step Ladder
40" Step Ladder
32" Step Ladder

NOTE: Dimensions Are From Center Of Post To Center Of Footing

DETAIL
SURFACE MOUNT

(2) \( \frac{3}{8} \)" x 2 \( \frac{3}{4} \)" Expansion Anchors w/ \( \frac{3}{8} \)" Standard Hex Nuts and \( \frac{3}{8} \)" SAE Flat Washers

DETAIL
DIRECT BURY

(2) \( \frac{3}{8} \)" SAE Flat Washers & \( \frac{3}{8} \)" Standard Hex Nuts

(2) \( \frac{3}{8} \)" x \( \frac{7}{8} \)" Hex-Pin Cap Screws

Support
Concrete Footings
Concrete Slab

(42") 1067.4 installing a 48" deck
or a 72" Step Ladder off of a 64" deck

Concrete Footings

PlayVenture
116246 Step Ladders

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SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

DETAIl
90° ATTACHMENT BRACKETS

(2) ⅜" Hex-Pin Flange Nuts
(2) ⅜" x 1 ½" Carriage Bolts
(2) 90° Attachment Brackets
(2) ⅜" x 1 ½" Hex-Pin Cap Screws

Wire Barrier
Typical PlayVenture Post

Post

(2) 5/8" x 1 ¾" Hex-Pin Cap Screws

Deck

Typical 1 11/16" x 2 3/4"
Opening

See Tenderdeck Detail

Protective Surfacing

DETAIl
TENDERDECKS

Wire Barrier

(4) ⅜" x 1 1/4" Hex-Pin Cap Screws w/ ⅜" SAE Flat Washers

Deck

(4) ⅜" Standard Hex Nuts w/ ⅜" SAE Flat Washers

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### Parts List

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### Specifications

**Barrier:** Weldment comprised of 3/8" solid steel vertical rails, 1 1/4" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 3/8" internal threads, 1 1/2" x 1 1/2" x 29 1/2" angle iron and 3/16" diameter wire. Barrier has approximately 1 3/4" x 2 3/4" openings and measures 33 3/16" wide x 39 11/16" high. Finish: TenderTuff, color specified.

**90° Bracket:** Formed from 3/8" x 1 1/2" HRPO flat steel. Finish: Powdercoat, color specified.

**Angled Panel Brkt.:** Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6061-T6 aluminum threaded tubes 1 1/4" O.D. x 1 1/2" long. Finish: Powdercoat, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Bolt Bracket:** Cast aluminum. Finish: Powdercoat, color specified.

**Installation Time:** Approx. 1 man hour

**Weight:** Above Deck 32 lbs.  
Below Deck 38 lbs.

---

### Installation Instructions

**ABOVE DECK (See Sheet 1 of 2)**

1. Attach wire barrier to the face of the deck using 3/8" x 1 1/2" hex-pin cap screws with 3/8" SAE flat washers and 3/8" standard hex nuts. Refer To The Tenderdeck Detail.

2. Insert bolt brackets into predrilled post holes and fasten using 5/8" x 1 1/2" hex-pin cap screws with 5/8" flat washers. See Typical Bolt Bracket Spec Sheet.

3. Attach the 90° attachment brackets to wire barrier using 3/8" x 1 1/2" hex-pin cap screws. See Typical Bolt Bracket Detail.

4. Attach the 90° attachment brackets to the bolt brackets using 3/8" x 1 1/2" carriage bolts and 3/8" hex-pin flange nuts. Refer To The 90° Attachment Bracket Detail.

5. Install protective surfacing before users are allowed to play on the structure.

**BELOW DECK (See Sheet 2 of 2)**

1. Insert bolt brackets into predrilled post holes and fasten using 3/8" x 1 1/2" hex-pin cap screws with 3/8" flat washers. See Typical Bolt Bracket Spec Sheet.


3. Attach angled panel bracket with wire barrier to bolt brackets using 3/8" x 2 1/4" hex-pin cap screws. See Below Deck Mount.

4. Attach the 90° attachment brackets to wire barrier using 3/8" x 1 1/2" hex-pin cap screws. Refer To The 90° Attachment Bracket Detail.

5. Attach the 90° attachment brackets to bolt brackets using 3/8" x 1 1/2" carriage bolts and 3/8" hex-pin flange nuts. Refer to the 90° Attachment Bracket Detail.

6. Install protective surfacing before users are allowed to play on the structure.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 8.)

PlayVenture Post

48" or Higher Deck

Center of Bracket

Typical PlayVenture Post

3 3/4" Hex-Pin Flange Nuts

(2) 3/8" Hex-Pin Flange Nuts

(2) 5/8" x 1 1/2" Hex-Pin Cap Screws

(4) Typical Bolt Bracket Assemblies

(2) 5/8" x 1 1/2" Carriage Bolts

(2) 90° Attachment Brackets

(4) 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers

(2) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

(2) 5/8" x 2 1/4" Hex-Pin Cap Screws

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

Wire Barrier

Center of Bracket

4" Finished Grade

Protective Surfacing

Angled Panel Bracket

BELOW DECK MOUNT

Typical PlayVenture Post

5-23-00
131659a0
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 6)

DETAIL
90° ATTACHMENT BRACKETS

(2) 3/8" Hex-Pin Flange Nuts
(2) Typical Bolt Bracket Assemblies

(2) 90° Attachment Brackets

(2) 5/8" x 1 1/2" Carriage Bolts
(2) 3/8" x 1 1/2" Hex-Pin Cap Screws

Wire Barrier

Deck

See Tenderdeck Detail

Typical PlayVenture Post

Typical 1 11/16" x 2 3/4" Opening

NOTE: Steering Wheel Infill Panel available. Refer to the Wheel Spec Sheet.

DETAIL
WHEEL ASSEMBLY

3/16" x 1 3/4" Spring Pin

(2) 3/8" x 7/8" Hex-Pin Cap Screws

Wheel Bracket

Wheel Block

(2) 3/8" Hex-Pin Flange Nuts

Deck

25"/635 - 35"/889 Adjust For Age Appropriateness

(4) 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers
(4) 3/8" x 1 1/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

DETAIL
90° ATTACHMENT BRACKETS

(2) 3/8" Hex-Pin Flange Nuts
(2) Typical Bolt Bracket Assemblies

(2) 90° Attachment Brackets

(2) 5/8" x 1 1/2" Carriage Bolts
(2) 3/8" x 1 1/2" Hex-Pin Cap Screws

Wire Barrier

Deck

See Tenderdeck Detail

Typical PlayVenture Post

Typical 1 11/16" x 2 3/4" Opening

NOTE: Steering Wheel Infill Panel available. Refer to the Wheel Spec Sheet.

DECK MOUNT

120314 Wire Barrier, w/Wheel

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### Parts List

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#### Installation Instructions

1. Insert bolt brackets into predrilled post holes and fasten using 5/8" x 1 1/2" hex-pin cap screws with 5/8" SAE flat washers and 5/8" standard hex nuts with 5/8" SAE flat washers. Refer to the Typical Bolt Bracket Detail.

2. Insert the bolt brackets into the predrilled post holes and fasten using 5/8" x 1 1/2" hex-pin cap screws with 5/8" flat washers. Refer to the Typical Bolt Bracket Detail.

3. Attach the 90° attachment brackets to bolt brackets using 5/8" x 1 1/2" hex-pin cap screws. Refer To The 90° Attachment Bracket Detail.

4. Attach the 90° attachment brackets to the bolt brackets using 5/8" x 1 1/2" carriage bolts and 5/8" hex-pin flange nuts. Refer To The 90° Attachment Bracket Detail.

5. Attach wheel bracket and wheel block to wire barrier in desired position using 5/8" x 1 1/2" hex-pin cap screws and 5/8" hex-pin flange nuts. Slide wheel and cap onto wheel bracket shaft and tap 3/16" x 1 1/4" spring pin through cap and shaft. Refer To The Wheel Assembly Detail.

6. Install protective surfacing before users are allowed to play on the structure.

#### Specifications

- **Barrier**: Weldment comprised of 5/16" solid steel vertical rails, 1 1/4" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/16" internal threads, 1 1/2" x 1 1/2" x 29 1/2" angle iron and 5/16" diameter wire. Barrier has approximately 1 1/16" x 2 3/4" openings and measures 33 1/4" wide x 39 1/2" high. Finish: TenderTuff, color specified.

- **Angled Panel Brkt.**: Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6061-T6 aluminum threaded tubes 1 3/4" O.D. x 1 1/2" long. Finish: Powdercoat, color specified.


- **Wheel Bracket**: Weldment comprised of formed 1/16" plate and 1/8" O.D. shaft. Finish: Powdercoat, color specified.

- **Wheel Block**: Permalene, tan in color.
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487, SECTION 9.)

(2) 3/8" Hex-Pin Flange Nuts

Center of Bracket

(2) 5/8" x 2 1/4" Hex-Pin Cap Screws

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

(2) 90° Attachment Brackets

(2) 3/8" x 1 1/2" Carriage Bolts

Typical PlayVenture Post

48" or Higher Deck

(4) Typical Bolt Bracket Assemblies

(2) 3/8" x 1 1/2" Hex-Pin Cap Screws

(2) 3/8" x 1 1/2" Carriage Bolts

(4) 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers

(2) 5/8" x 1 1/2" Carriage Bolts

PlayVenture Post

Typical PlayVenture Post

Below Deck Mount

Angled Panel Bracket

Wheel

Wire Barrier

4' 102

38 1/4

984

(2) 5/8" x 2 1/4" Hex-Pin Cap Screws

Center of Bracket

Protective Surfacing

Finished Grade

(4) 3/8" x 7/8" Hex-Pin Cap Screws w/ 3/8" SAE Flat Washers

120314 Wire Barrier w/Wheel

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Document #13166100
Maintenance Documents

Print Date = 5/3/2022
Order Number = T13583 (REPRINT #3)
Line Number = 001
Sales Rep Number = O Brien & Sons, Inc.
Parent Part Description =

Site Address:
Laurel Hill Annex Elem School
240 Leban Street
Providence, RI 02909
USA
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12240600...PG MAINT T-TUFF PARTS PV  QTY=1
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12634800...PG MAINT PV TYPICAL POLES  QTY=1
12709901...LABEL WELCOME 5-12 YRS  QTY=1
12834600...PG MAINT PV SLIDEWINDER2  QTY=1
12862900...PG MAINT STEERING WHEEL  QTY=1
12862900...PG MAINT STEERING WHEEL  QTY=1
Missing Maintenance Instructions

12709901...LABEL WELCOME 5-12 YRS  QTY=1 A - 127099-00-000
PlayVenture System

Common Parts and Procedures

- **Fasteners**
  - Tighten attachment fasteners. Replace if cracked, deformed or broken.

- **General Materials/Finishes**
  - Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

- **Caps (Powdercoated)**
  - Replace cap if missing or damaged beyond repair. Make sure attachment rivets are secure. Repair damaged powdercoating per instructions.

- **Bolt Bracket Assembly**
  - Replace bolt bracket if any cracks are found. Check attachment hardware as indicated above.

- **Posts (Powdercoated)**
  - Replace if severely damaged or pitted with rust (Area at the top of the footing is most vulnerable). Repair damaged powdercoating per instructions. Posts must be plumb.

- **Beams (Powdercoated)**
  - Replace if any cracks are found in the clamps or welds. Replace if deformed or pitted with rust. Repair damaged powdercoating per instructions.

- **Concrete Footings**
  - Shovel away protective surfacing and part of subsoil to inspect. Replace footing if it is cracked or not tight around post or subsoil. Add protective surfacing if footing is not covered with at least 10" of material.
Surface Mounted Post 10

Shake structure, if loose remove surfacing to repair. A larger anchor may be necessary or grout around existing anchor. If problem persists, remove enough concrete to install "L" shaped anchor bolts in new concrete.
Loose Surfacing

NOTE: Indicate the type and required depth on your Inspection Report form.

- **Cleaning** 1
  Remove foreign material from the play area. (i.e. rocks, cans, toys, feces, etc.)

- **Leveling** 1
  Rake protective surfacing level so it is up to level of finished grade mark.

- **Renewing** 2
  Add protective surfacing materials as necessary to maintain the depth and performance requirements established per ASTM F1487 specification.
Tenderdecks

NOTE: Square Tenderdeck shown. Other Tenderdeck styles require the same inspection procedures.

- **Fasteners**
  1. Tighten attachment fasteners. Replace if cracked, deformed or broken.

- **General Materials/Finishes**
  1. Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

- **Deck (TenderTuff)**
  2. Replace if perforated area is sagged more than 1/2". Replace deck if welds are broken or part is seriously deformed or defaced.

- **Pipe Bolts**
  2. Check attachment fasteners as indicated above.

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**Diagram:**
- Square Tenderdeck
- Perforated Area
- Post
- Attachment Hardware
- Pipe Bolt
Tenderdecks

NOTE: Square Tenderdeck shown. Other Tenderdeck styles require the same inspection procedures.

- **Fasteners**
  1
  Tighten attachment fasteners. Replace if cracked, deformed or broken.

- **General Materials/Finishes**
  1
  Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

- **Deck (TenderTuff)**
  2
  Replace if perforated area is sagged more than 1/2". Replace deck if welds are broken or part is seriously deformed or defaced.

- **Pipe Bolts**
  2
  Check attachment fasteners as indicated above.
Tenderdecks

NOTE: Square Tenderdeck shown. Other Tenderdeck styles require the same inspection procedures.

- **Fasteners**
  
  Tighten attachment fasteners. Replace if cracked, deformed or broken.

- **General Materials/Finishes**
  
  Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

- **Deck (TenderTuff)**
  
  Replace if perforated area is sagged more than 1/2". Replace deck if welds are broken or part is seriously deformed or defaced.

- **Pipe Bolts**
  
  Check attachment fasteners as indicated above.
**Fasteners**

Tighten attachment fasteners. Replace if cracked, deformed or broken.

**General Materials/Finishes**

Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

**Deck (TenderTuff)**

Replace if perforated area is sagged more than $\frac{1}{2}''$. Replace deck if welds are broken or part is seriously deformed or defaced.

**Pipe Bolts**

Check attachment fasteners as indicated above.
Poly Slides

NOTE: Double Poly Slides shown below. The Single Poly Slides and 90° Curved Poly Slides require similar inspection procedures.

- **Fasteners/Hardware**
  1
  Refer to the "PlayVenture System" sheet.

- **Poly Slide**
  1
  Replace if cracked, brittle or seriously discolored.

- **Footer**
  2
  Check to be sure attachment hardware is in place and snug. Replace rubber bushing if cracked or missing. Replace footer if deformed or pitted from rust.

- **Hood**
  2
  Replace if cracked, brittle or seriously discolored.

- **Concrete Footings**
  10
  If applicable. Refer to the "PlayVenture System" sheet.
- **Fasteners/Hardware** 1
  Refer to the "PlayVenture System" sheet.

- **Permalene Panels** 1
  Replace if panel is cracked, brittle or seriously discolored. Scratches can be burnished away with a clean, blunt instrument.

- **Chimes** 1
  Replace if missing or cracked.
42" Arch Bridge w/Barrier

- **Fasteners**
  
  Tighten attachment fasteners. Replace if cracked, deformed or broken.

- **General Materials/Finishes**
  
  Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

- **Permalene Barriers**
  
  Scratches can be burnished away with a clean, blunt instrument. Replace if panel is cracked, brittle or seriously discolored.

- **Deck (TenderTuff)**
  
  Replace if welds are cracked or if the unit is deformed or pitted with rust. Repair damaged TenderTuff per repair sheet.
Fasteners 1
Tighten attachment fasteners. Replace if cracked, deformed or broken.

General Materials/Finishes 1
Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

Handbar (TenderTuff) 2
Replace if missing or deformed or severely pitted with rust. Repair damaged TenderTuff per repair sheet.

Poly Parts 2
Replace if cracked, brittle or seriously discolored. Joints must be tight between sections. Loosen and adjust as necessary, \( \frac{3}{16} \)" maximum space.

Footers (Powdercoated) 2
Replace if deformed or severely pitted with rust.

Deck (TenderTuff) 2
Replace if perforated area is sagged more than \( \frac{1}{2} \)". Replace if welds are cracked or if the unit is deformed or pitted with rust. Repair damaged TenderTuff per repair sheet.

Concrete Footing 10
Shovel away protective surfacing and part of subsoil to inspect. Replace footing if it is cracked or not tight around post or subsoil. Add protective surfacing if footing is not covered with at least 10" of material.
## Step Ladders

### Fasteners

Tighten attachment fasteners. Replace if cracked, deformed or broken.

### General Materials/Finishes

Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

### Permalene Panels

Replace if cracked, brittle or seriously discolored. Scratches can be burnished away with a clean, blunt instrument.

### Step Ladder (TenderTuff)

Replace if welds are cracked or if the unit is deformed or severely pitted with rust. If step tread is worn through, repair damaged TenderTuff coating per repair sheet or replace.

### Handrails (TenderTuff)

Replace if deformed or severely pitted with rust. Repair damaged TenderTuff coating per repair sheet.

### Concrete Footing

Shovel away protective surfacing and part of subsoil to inspect. Replace footing if it is cracked or not tight around post or subsoil. Add protective surfacing if footing is not covered with at least 10" of material.
Independent Playthings

Because use and environmental factors as well as materials vary, every playground is different. It is imperative that those responsible for maintenance of the playground understand the maintenance requirements necessary to keep it safe, attractive and to extend its useful life. It is the responsibility of the playground equipment manufacturer to provide instructions as to how the equipment is to be installed and maintained as well as to provide a general guideline as to the frequency of those procedures. It is your responsibility as owner to establish a frequency schedule for each playground and to follow the manufacturers recommended procedures.

The owner also has the responsibility to certify/qualify those performing installation and maintenance services.

It is important that you recognize the severity of the potential hazard that may be found upon inspection. In some cases you may have to close the playground until repairs are made. These hazards will most likely be the result of vandalism - assuming proper maintenance has been performed.

Protective surfacing throughout the use zone must be maintained at a thickness or depth sufficient to meet ASTM F1292 standards (Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment) at maximum fall heights for equipment installed above the surfacing.

If replacement parts, cleaners, touch-up kits, etc. are required, they can be ordered from your local Landscape Structures representative or the factory. Part numbers and descriptions can be found on the back of the installation instruction sheets provided.

If you have any questions, call our technical services dept. at 1-800-328-0035.

The following pages identify common finishes and materials used in Independent Playthings. The procedure for inspecting, cleaning, repairing and replacing each of the finishes or materials is outlined in this packet to make your maintenance decisions easier and quicker.

When inspecting your Independent Playthings refer to the materials comprising the product and follow the procedures accordingly. For instance, A Learning Wall will require you to follow procedures for fasteners, permalene parts, powdercoated parts and footings, and, if for instance, a periscope panel is provided, welded parts.

Refer to the specific product installation / specification sheets (supplied with this packet) for common periscope construction details and a replacement parts list.

Record your findings and actions taken on the inspection report form in the back of this packet (run copies for future use). A separate report should be kept for each playground and each inspection. An example of a completed form follows on the back of this sheet.

Use only original replacement parts from Landscape Structures Inc. Commonly used cleaning/repair materials not supplied with Independent Playthings but available from Landscape Structures Inc:

#117657-00 Graffiti Cleaner
#101317-00 Emery Cloth 400 Grit
#101260-00 Paint Primer
#101219-00 Paint (State Color)
#115181-00 TenderTuff Patch

POOR MAINTENANCE IS THE MAJOR CAUSE OF AT LEAST A THIRD OF ALL REPORTED PLAYGROUND ACCIDENTS
# Completing The Inspection Report

**Keep one copy of this form as your original to make copies as necessary.**

## Inspection Report

### Landscape Structures

**Location:** Brooks Lake County Park  
**Inspection:** John Smith  
**Pipe:** Landscape Structures  
**Phone:** 800-505-0055

<table>
<thead>
<tr>
<th>Location</th>
<th>Brooks Lake County Park</th>
<th>Inspectors</th>
<th>John Smith</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>8/18/96</td>
<td>Time</td>
<td>3:30 PM</td>
</tr>
<tr>
<td><strong>Installation Date</strong></td>
<td>6-3-94</td>
<td><strong>Installer</strong></td>
<td>Edd Johnson of Play Installations</td>
</tr>
</tbody>
</table>

### Product: Learning Wall #116747

- **No Action**
- **Cleaned** Yes
- **Repaired** Tighten hardware and painted out deep scratch.
- **Replaced**
- **Notes**

### Product: Rainbow Climber #1000358B

- **No Action**
- **Cleaned**
- **Repaired** Chipped paint
- **Replaced**
- **Notes** Feetings OK

### Product: Superclimb #100039A

- **No Action** OK
- **Cleaned**
- **Repaired**
- **Replaced**
- **Notes** Bushings are getting loose. (20% more)

### Product: Eetruguing #100034A

- **No Action**
- **Cleaned**
- **Repaired** Chipped glass hook
- **Replaced**
- **Notes** Glass hooks 20% omm.

### Product:

- **No Action**
- **Cleaned**
- **Repaired**
- **Replaced**
- **Notes**

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**Indicates the date the playground equipment was installed.**

**Product to be inspected.**

**Indicates how often these products are to be inspected.**

**Name of person, agency or company that originally installed the equipment.**

**What you found and what you did about it.**

**Nothing needed at this inspection.**
Finishes

Powdercoating, ie: Metal Climbers, Superscoops, etc.
  **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle.

  **Repairing:** With emery cloth sand area to be repaired until all rust is removed. Be sure to rough and feather edges of surrounding powdercoated area with 400 grit sandpaper until smooth. Protect adjacent areas from overspray, if necessary. Apply a minimum of 2 light coats of primer. Allow to dry to the touch between coats. Lightly sand with 400 grit sandpaper, then wipe with clean cloth. Use the same method to apply a minimum of 2 light coats of paint. Be sure to allow areas to dry 3 to 4 hours before use. (Drying time will vary).

  **Replacing:** Replace if pitted with rust or if you can’t remove all rust by sanding.

TenderTuff-Coating, ie: Decks, Wheels, etc.
  **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle. Heavy stains may need to be removed mechanically first (scrape with a knife or sandpaper). Seal the affected area with “Clear Guard” by Turtle Wax or “Armor All” by Armor All. Buff the area until the colors blend.

  **Repairing:** Use TenderTuff Patch to replace worn or vandalized areas of TenderTuff-coating. To apply the patch, first prep area by lightly sanding affected area. Apply a sufficient amount of patch and level out with a flat edge. A putty knife or similar tool works best. For edges, apply a small amount of patch on affected area and use a piece of stiff paper or cardboard and form it around the corner and level out. Surface should be repaired on a dry day. It will skin over in approximately two hours and completely cure in twenty-four hours. During this time, it is advisable to keep the area restricted from users. Note that this is a self curing patch and it will shrink as it cures, possibly requiring two coats. Clean up can be done with mild soap and warm water. If a spray paint color match is required, allow to cure at least six hours prior to painting.

  **Replacing:** Replace if pitted with rust.

Materials

Permalene Parts, ie: Learning Wall Panels, TuffRiders, etc.
  **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle.

  **Repairing:** Scratches can be burnished away with a clean, blunt instrument.

  **Replacing:** Replace if panel is cracked, brittle or seriously discolored.

Poly Parts, ie: Slides, TuffTimbers, Tires, Number Discs, etc.
  **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle.

  **Repairing:** Scratches can be sanded or burnished away with a clean, blunt instrument. Burnish until they "melt together". More significant repairs are not economically feasible.

  **Replacing:** Replace if cracked, brittle or seriously discolored.

Polycarbonate Parts, ie: Windows, Bubbles, etc.
  **Cleaning:** Use glass cleaner spray for cleaning. No abrasives.

  **Repairing:** Sharp corners from scratches can be burnished away with a clean, blunt instrument.

  **Replacing:** Replace if cracked or severely scratched.
MAINTENANCE PROCEDURES

Materials (Continued)

Stainless Steel Parts, ie: Slides

Repairing: Call the technical services dept., some repairs can be made in the field with the proper equipment and trained technician.

Replacing: Replace if welds are cracked or bedway is seriously deformed.

Welded Parts, ie: Metal Climbers, Handrails, etc.

Repairing: Call the technical services dept., some repairs can be made in the field with the proper equipment and trained technician.

Replacing: Replace if welds are cracked or the unit is deformed or pitted with rust.

Bushings, ie: Swing Hangers, Wheels, Superscoop, etc.

Repairing: Not possible.

Replacing: Replace bushings if 50% worn. Check "play" in bushings by moving the axle up & down (most bushings are 1/16" thick, thus 1/16" of "play" would require replacing).

Springs

Repairing: Do not attempt to repair springs.

Replacing: Replace if unit is cracked, broken or pitted with rust.

Swing Seats

Repairing: Not recommended.

Replacing: Typical life expectancy of swing seats is 3 - 5 years. However, in high usage areas, it may be necessary to replace these more often.

(Seats) Replace seat if cracked, cut, seriously deformed, discolored or any reinforcement metal within the rubber is showing. Replace metal seat hanger brackets if 50% worn. (Visual inspection).

(Molded Bucket Seat) Replace seat if cracked, cut, seriously deformed or discolored. Replace aluminum seat mounting brackets if 50% worn. (Visual inspection). It is expected that swing seats will require periodic replacement.

Chain and Connectors

Repairing: If chain is TenderTuff-Coated see TenderTuff-Coated Parts. Close/tighten connectors as necessary. ("S" hooks must be closed to less than a .040" gap).

Replacing: Replace chain and connectors if 50% worn. Note wear on report. (Visual inspection).

Footings

Replacing: Replace footing if cracked or not tight around post, support or subsoil.

Fasteners/Hardware and Clamps

Repairing: Tighten attachment hardware as necessary. Repairing fasteners is not economically feasible.

Replacing: Replace if pitted with rust or deformed. Also replace drive rivets in clamps if missing.

Metal Castings, ie: Swing Hangers, Post Caps, Superscoop Bucket, etc.

Repairing: Not recommended.

Replacing: Replace if cracked or broken. It is expected that some components, such as Superscoop Buckets, will require replacing periodically. (2-3 Years is common).
# Inspection Report

**Location** ____________________________  **Inspector** ____________________________

**Date** ___________  **Time** ___________  **Frequency of Inspections** ____________________________

**Installation Date** ___________  **Installer** ____________________________

### PRODUCT:

<table>
<thead>
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<tbody>
<tr>
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<td>Cleaned</td>
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<tr>
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<tr>
<td>Notes</td>
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</table>
# Inspection Report

## PRODUCT:
- No Action
- Cleaned
- Repaired
- Replaced
- Notes

## PRODUCT:
- No Action
- Cleaned
- Repaired
- Replaced
- Notes

## PRODUCT:
- No Action
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- Repaired
- Replaced
- Notes

## PRODUCT:
- No Action
- Cleaned
- Repaired
- Replaced
- Notes

## PRODUCT:
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- Cleaned
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- Replaced
- Notes
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#101317-00 Emery Cloth 400 Grit
#101260-00 Paint Primer
#101219-00 Paint (State Color)
#115181-00 TenderTuff Patch
## Completing The Inspection Report

- **What you found and what you did about it.**
- **Indicates how often these products are to be inspected.**
- **Name of person, agency or company that originally installed the equipment.**
- **What you found and what you did about it.**

### Inspection Report

**Location:** Brooks Lake County Park  
**Inspection:** John Smith

- **Date:** 8/18/96  
- **Time:** 3:30 PM  
- **Frequency of Inspections:** Weekly

**Installation Date:** 6-3-94  
**Installer:** Erik Johnson of Play Installations

<table>
<thead>
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<th>PRODUCT: Learning Wall #114747</th>
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<tr>
<td></td>
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<td>Tightened hardware and burned out deep scratch</td>
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<td></td>
<td></td>
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<td>Chipped paint</td>
<td></td>
<td>Feeling OK</td>
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<tr>
<td></td>
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<td></td>
<td>Bushings are getting loose. (20% worse)</td>
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<td></td>
<td></td>
<td></td>
<td>Broken 5&quot; hook</td>
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<td>5&quot; Hooks 20% worse</td>
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<th>Repaired</th>
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<th>Notes</th>
</tr>
</thead>
</table>

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*Keep one copy of this form as your original to make copies as necessary.*

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- Indicates the date the playground equipment was installed.
- Product to be inspected.
- Nothing needed at this inspection.
Finishes

**Powdercoating, ie: Metal Climbers, Superscoops, etc.**

- **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle.
- **Repairing:** With emery cloth sand area to be repaired until all rust is removed. Be sure to rough and feather edges of surrounding powdercoated area with 400 grit sandpaper until smooth. Protect adjacent areas from overspray, if necessary. Apply a minimum of 2 light coats of primer. Allow to dry to the touch between coats. Lightly sand with 400 grit sandpaper, then wipe with clean cloth. Use the same method to apply a minimum of 2 light coats of paint. Be sure to allow areas to dry 3 to 4 hours before use. (Drying time will vary).
- **Replacing:** Replace if pitted with rust or if you can’t remove all rust by sanding.

**TenderTuff-Coating, ie: Decks, Wheels, etc.**

- **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle. Heavy stains may need to be removed mechanically first (scrape with a knife or sandpaper). Seal the affected area with “Clear Guard” by Turtle Wax or “Armor All” by Armor All. Buff the area until the colors blend.
- **Repairing:** Use TenderTuff Patch to replace worn or vandalized areas of TenderTuff-coating. To apply the patch, first prep area by lightly sanding affected area. Apply a sufficient amount of patch and level out with a flat edge. A putty knife or similar tool works best. For edges, apply a small amount of patch on affected area and use a piece of stiff paper or cardboard and form it around the corner and level out. Surface should be repaired on a dry day. It will skin over in approximately two hours and completely cure in twenty-four hours. During this time, it is advisable to keep the area restricted from users. Note that this is a self curing patch and it will shrink as it cures, possibly requiring two coats. Clean up can be done with mild soap and warm water. If a spray paint color match is required, allow to cure at least six hours prior to painting.
- **Replacing:** Replace if pitted with rust.

Materials

**Permalene Parts, ie: Learning Wall Panels, TuffRiders, etc.**

- **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle.
- **Repairing:** Scratches can be burnished away with a clean, blunt instrument.
- **Replacing:** Replace if panel is cracked, brittle or seriously discolored.

**Poly Parts, ie: Slides, TuffTimbers, Tires, Number Discs, etc.**

- **Cleaning:** Apply “Graffiti Cleaner” to affected area. Follow the directions on the bottle.
- **Repairing:** Scratches can be sanded or burnished away with a clean, blunt instrument. Burnish until they “melt together”. More significant repairs are not economically feasible.
- **Replacing:** Replace if cracked, brittle or seriously discolored.

**Polycarbonate Parts, ie: Windows, Bubbles, etc.**

- **Cleaning:** Use glass cleaner spray for cleaning. No abrasives.
- **Repairing:** Sharp corners from scratches can be burnished away with a clean, blunt instrument.
- **Replacing:** Replace if cracked or severely scratched.
**MAINTENANCE PROCEDURES**

**Independent Playthings**

**Materials (Continued)**

**Stainless Steel Parts, ie: Slides**
- **Repairing:** Call the technical services dept., some repairs can be made in the field with the proper equipment and trained technician.
- **Replacing:** Replace if welds are cracked or bedway is seriously deformed.

**Welded Parts, ie: Metal Climbers, Handrails, etc.**
- **Repairing:** Call the technical services dept., some repairs can be made in the field with the proper equipment and trained technician.
- **Replacing:** Replace if welds are cracked or the unit is deformed or pitted with rust.

**Bushings, ie: Swing Hangers, Wheels, Superscoop, etc.**
- **Repairing:** Not possible.
- **Replacing:** Replace bushings if 50% worn. Check “play” in bushings by moving the axle up & down (most bushings are 1/8” + thick, thus 1/16” of “play” would require replacing).

**Springs**
- **Repairing:** Do not attempt to repair springs.
- **Replacing:** Replace if unit is cracked, broken or pitted with rust.

**Swing Seats**
- **Repairing:** Not recommended.
- **Replacing:** Typical life expectancy of swing seats is 3 - 5 years. However, in high usage areas, it may be necessary to replace these more often.
  - *(Seats)* Replace seat if cracked, cut, seriously deformed, discolored or any reinforcement metal within the rubber is showing. Replace metal seat hanger brackets if 50% worn. (Visual inspection).
  - *(Molded Bucket Seat)* Replace seat if cracked, cut, seriously deformed or discolored. Replace aluminum seat mounting brackets if 50% worn. (Visual inspection). It is expected that swing seats will require periodic replacement.

**Chain and Connectors**
- **Repairing:** If chain is TenderTuff-Coated see TenderTuff-Coated Parts. Close/tighten connectors as necessary. (“S” hooks must be closed to less than a .040” gap).
- **Replacing:** Replace chain and connectors if 50% worn. Note wear on report. (Visual inspection).

**Footings**
- **Replacing:** Replace footing if cracked or not tight around post, support or subsoil.

**Fasteners/Hardware and Clamps**
- **Repairing:** Tighten attachment hardware as necessary. Repairing fasteners is not economically feasible.
- **Replacing:** Replace if pitted with rust or deformed. Also replace drive rivets in clamps if missing.

**Metal Castings, ie: Swing Hangers, Post Caps, Superscoop Bucket, etc.**
- **Repairing:** Not recommended.
- **Replacing:** Replace if cracked or broken. It is expected that some components, such as Superscoop Buckets, will require replacing periodically. (2-3 Years is common).
<table>
<thead>
<tr>
<th>Location</th>
<th>Inspector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Time</td>
</tr>
<tr>
<td>Installation Date</td>
<td>Installer</td>
</tr>
</tbody>
</table>

**PRODUCT:**
- No Action
- Cleaned
- Repaired
- Replaced
- Notes

**PRODUCT:**
- No Action
- Cleaned
- Repaired
- Replaced
- Notes

**PRODUCT:**
- No Action
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**PRODUCT:**
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**PRODUCT:**
- No Action
- Cleaned
- Repaired
- Replaced
- Notes
### Inspection Report

**PRODUCT:**
- No Action
- Cleaned
- Repaired
- Replaced
- Notes

**PRODUCT:**
- No Action
- Cleaned
- Repaired
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- Notes

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- No Action
- Cleaned
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**PRODUCT:**
- No Action
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- Notes

**PRODUCT:**
- No Action
- Cleaned
- Repaired
- Replaced
- Notes
Typical TenderTuff Parts

i.e. Kick Plates, Chinning Bars, Turning Bars, Handbars, Transfer Handbars, Grab Bars, Loops, Pipe Barrier/Guardrails & Vertical Ladders.

- **Fasteners**
  - Tighten attachment fasteners. Replace if cracked, deformed or broken.

- **General Materials/Finishes**
  - Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

- **Hand/Chin/Turning Bars**
  - Replace if bent or deformed. If worn on top surface, loosen and turn upside down.

- **Vertical Ladders**
  - Replace if bent or deformed.

- **TenderTuff Patch**
  - This patch is recommended to replace worn or vandalized areas of TenderTuff coating. It should be applied on a dry day. It will skin over in approximately two hours and completely cure in twenty-four hours. During this time, it is advisable to keep the area restricted from users. To apply the patch, first prep area by lightly sanding affected area. Apply a sufficient amount of patch and level out with a flat edge. A putty knife or similar tool works best. For edges, apply a small amount of patch on affected area and use a piece of stiff paper or cardboard and form it around the corner and level out. Note that this is a self curing patch and it will shrink as it cures, possibly requiring two coats. Clean up can be achieved with mild soap and warm water. If spray paint color match is required please allow to cure at least six hours prior to painting.

- **Barrier/Guardrail**
  - Replace if bent or deformed.

- **Kick Plates**
  - Replace if bent or deformed.
Typical TenderTuff Parts

i.e. Kick Plates, Chinning Bars, Turning Bars, Handbars, Transfer Handbars, Grab Bars, Loops, Pipe Barrier/Guardrails & Vertical Ladders.

TenderTuff Patch

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Barrier/Guardrail

Replace if bent or deformed.

Kick Plates

Replace if bent or deformed.
Typical TenderTuff Parts

i.e. Kick Plates, Chinning Bars, Turning Bars, Handbars, Transfer Handbars, Grab Bars, Loops, Pipe Barrier/Guardrails & Vertical Ladders.

- **Fasteners**
  - Tighten attachment fasteners. Replace if cracked, deformed or broken.
- **General Materials/Finishes**
  - Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."
- **Hand/Chin/Turning Bars**
  - Replace if bent or deformed. If worn on top surface, loosen and turn upside down.
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Typical TenderTuff Parts

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Barrier/Guardrail

Replace if bent or deformed.

Kick Plates

Replace if bent or deformed.
Typical TenderTuff Parts

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**Barrier/Guardrail**

Replace if bent or deformed.

**Kick Plates**

Replace if bent or deformed.
Typical TenderTuff Parts

i.e. Kick Plates, Chinning Bars, Turning Bars, Handbars, Transfer Handbars, Grab Bars, Loops, Pipe Barrier/Guardrails & Vertical Ladders.

TenderTuff Coated Barrier

TenderTuff Coated Handloop

TenderTuff Coated Vertical Ladder

TenderTuff Coated Kick Plate

Typical Post

Deck

TenderTuff Coated Vertical Ladder

Fasteners

Tighten attachment fasteners. Replace if cracked, deformed or broken.

General Materials/Finishes

Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

Hand/Chin/Turning Bars

Replace if bent or deformed. If worn on top surface, loosen and turn upside down.

Vertical Ladders

Replace if bent or deformed.

TenderTuff Patch

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Barrier/Guardrail

Replace if bent or deformed.

Kick Plates

Replace if bent or deformed.
**Typical TenderTuff Parts**

i.e. Kick Plates, Chinning Bars, Turning Bars, Handbars, Transfer Handbars, Grab Bars, Loops, Pipe Barrier/Guardrails & Vertical Ladders.

**Fasteners**

Tighten attachment fasteners. Replace if cracked, deformed or broken.

**General Materials/Finishes**

Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

**Hand/Chin/Turning Bars**

Replace if bent or deformed. If worn on top surface, loosen and turn upside down.

**Vertical Ladders**

Replace if bent or deformed.

**TenderTuff Patch**

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**Barrier/Guardrail**

Replace if bent or deformed.

**Kick Plates**

Replace if bent or deformed.
Typical TenderTuff Parts

- Fasteners
  - Tighten attachment fasteners. Replace if cracked, deformed or broken.

- General Materials/Finishes
  - Refer to the General Cleaning/Repairing Instructions found in the "PlayShaper System Playground Maintenance Sheet."

- TenderTuff Patch
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- Loop/Step Ladders
  - Replace if bent or deformed.

- Kick Plates
  - Replace if bent or deformed.

- Barrier/Handbars
  - Replace if bent or deformed.

i.e. Kick Plates, Transfer Handbars, Pipe Barriers & Vertical Ladders.
General Permalene Panels


NOTE: Driver Panel shown. Other panels listed require similar inspection procedures. Refer to Wheel Inspection Procedure when applicable.

Fasteners
Tighten attachment fasteners. Replace if cracked, deformed or broken.

General Materials/Finishes
Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

Permalene Panels
Replace if panel is cracked, brittle or seriously discolored. Scratches can be burnished away with a clean, blunt instrument.
Typical Poles

Firepole/Loop Pole/Corkscrew

NOTE: Loop Pole shown, other listed components require the same inspection procedures.

- **Fasteners/Hardware** 1
  Refer to the “PlayVenture System sheet.

- **Pole Weldment** 1
  Replace if welds are cracked, deformed or pitted with rust. Repair damaged powdercoating per repair sheet.

- **Permalene Panel** 1
  Replace if panel is cracked, brittle or seriously discolored. Scratches can be burnished away with a clean, blunt instrument.

- **Concrete Footing** 10
  If applicable. Refer to the "PlayVenture System" sheet.
Fasteners 1
Tighten attachment fasteners. Replace if cracked, deformed or broken.

General Materials/Finishes 1
Refer to the General Cleaning/Repairing Instructions found in the "PlayVenture System Playground Maintenance Sheet."

Slide (Poly) 2
Replace if cracked, brittle or seriously discolored. Joints between sections must be tight.

Footers (Powdercoated) 2
Replace if welds are cracked or if the unit is deformed or severely pitted with rust. Repair damaged powdercoating per repair sheet.

Concrete Footing 10
Shovel away protective surfacing and part of subsoil to inspect. Replace footing if it is cracked or not tight around post or subsoil. Add protective surfacing if footing is not covered with at least 10” of material.
Wheels

NOTE: Wheel shown is for a Permalene panel. Wheel for poly wall, pipe barrier/guardrail, wire barrier or SteelX panel requires the same inspection procedures.

- Fasteners/Hardware 1
  Refer to the "PlayBooster System" sheet.

- Wheel 1
  Replace if cracked or severely deformed.

- Panel/Wall/Barrier 1
  Replace support member if the hole has been elongated so that the wheel cannot be tightened securely.
**Wheels**

**NOTE:** Wheel shown is for a Permalene panel. Wheel for poly wall, pipe barrier/guardrail, wire barrier or SteelX panel requires the same inspection procedures.

- **Fasteners/Hardware** 1
  Refer to the "PlayBooster System" sheet.

- **Wheel** 1
  Replace if cracked or severely deformed.

- **Panel/Wall/Barrier** 1
  Replace support member if the hole has been elongated so that the wheel cannot be tightened securely.
CITY OF PROVIDENCE, RHODE ISLAND

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Providence, RI 02903