### Classification Yard 6PP Material

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>026868</td>
<td>5/8&quot; x 5' Copper Bonded Ground Rod</td>
</tr>
<tr>
<td></td>
<td>017109</td>
<td>Ground Rod Compression Coupler</td>
</tr>
<tr>
<td></td>
<td>EB5438</td>
<td>CADWELD ONE SHOT: #6 Solid to 5/8&quot; Ground Rod</td>
</tr>
<tr>
<td></td>
<td>RTB30S3</td>
<td>Signal Circuit Protector</td>
</tr>
<tr>
<td></td>
<td>DSD1401S150</td>
<td>120 V AC Surge Protector</td>
</tr>
<tr>
<td></td>
<td>TBD A809A04F</td>
<td>#6 Solid Coil   (Order length in round feet)</td>
</tr>
</tbody>
</table>

**Wheel Detector**

- Qty: 2
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- RTB30S3 Signal Circuit Protector
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 4
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- RTB30S3 Signal Circuit Protector
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)

**Automatic Presence Detector**

- Qty: 1
- 615850 5/8" x 5' Copper Bonded Ground Rod
- CC58 Ground Rod Compression Coupler
- SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8" Ground Rod
- TBD A809A04F #6 Solid Coil   (Order length in round feet)
In order to achieve desired low grounding resistance in the specific soil conditions, ERICO offers Ground Enhancement Material (GEM), and Ground Testers (EST Series).

CRITEC® EPD Power Surge Devices

• Transient Discriminating Technology helps ensure safe operation during abnormal over voltage events
• Parallel hybrid SPD technology
• Low let-through voltage
• Visual status indication

CRITEC® EPD Power Surge Devices

• Series hybrid TVSS technology
• Universal design for 12VDC & 24VDC applications
• 30A series filter
• High surge rating provides a high level of protection and long operational life
• Low let-through voltage
• RFI/EMI filtering
• Visual status indication
• AAR terminals

CONTROL SIGNAL EQUIPMENT PROTECTION

• Protection of low voltage circuits and transducers
• Replaceable module design
• Efficient multiple stage clamping circuit technology helps ensure lowest possible let-through voltage to equipment
• Common-mode and differential-mode protection
• Surge rating to 20kA – ideal for exposed wiring
• Design includes fail-safe, open circuit, end of life mode

GROUND MARSHALLING YARD

Classification / Marshalling Yards Classification Yard 6PP Material

Crest Hump

ERITECH® SYSTEM 3000

Holophane® RTS Pole

DTC Bungalow (Distance to Coupler)

Retarder

EPD1224ATAAR Secondary power protector

OTHER GROUNDING PRODUCTS

In order to achieve desired low grounding resistance in the specific soil conditions, ERICO offers Ground Enhancement Material (GEM), and Ground Testers (EST Series).

SBB2700A2B10 TERMINAL BLOCKS

CONTROL SIGNAL EQUIPMENT PROTECTION

• Protection of low voltage circuits and transducers
• Replaceable module design
• Efficient multiple stage clamping circuit technology helps ensure lowest possible let-through voltage to equipment
• Common-mode and differential-mode protection
• Surge rating to 20kA – ideal for exposed wiring
• Design includes fail-safe, open circuit, end of life mode

SBB2700A2B10 TERMINAL BLOCKS

CONTROL SIGNAL EQUIPMENT PROTECTION

• Protection of low voltage circuits and transducers
• Replaceable module design
• Efficient multiple stage clamping circuit technology helps ensure lowest possible let-through voltage to equipment
• Common-mode and differential-mode protection
• Surge rating to 20kA – ideal for exposed wiring
• Design includes fail-safe, open circuit, end of life mode

Control Signal Equipment Protection

• Protection of low voltage circuits and transducers
• Replaceable module design
• Efficient multiple stage clamping circuit technology helps ensure lowest possible let-through voltage to equipment
• Common-mode and differential-mode protection
• Surge rating to 20kA – ideal for exposed wiring
• Design includes fail-safe, open circuit, end of life mode

Radio Communications Protection

• Dual dielectrics
• CF pins in tan & black IEC cable terminations
• CF balun/brake assembly available
• High current rating (80A Ampere)
• Tapped operating frequency spectrum
• Mounting bracket and ground lead included
• CE approved

GPS Web Site: www.erico.com
### Classification Yard 6PP Material

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Wheel Detector

1. 2 615850 5/8" x 5' Copper Bonded Ground Rod
2. 1 CC58 Ground Rod Compression Coupler
3. 1 SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8"
4. 1 RTB30S3 Signal Circuit Protector
5. TBD A809A04F #6 Solid Coil   (Order length in round feet)

### Auto Presence Detector

1. 2 615850 5/8" x 5' Copper Bonded Ground Rod
2. 1 CC58 Ground Rod Compression Coupler
3. 1 SBNX1161G CADWELD ONE SHOT: #6 Solid to 5/8"
4. 1 RTB30S3 Signal Circuit Protector
5. 1 DSD1401S150 120 V AC Surge Protector
6. TBD A809A04F #6 Solid Coil   (Order length in round feet)

### Radar Unit

1. 2 615850 5/8" x 5' Copper Bonded Ground Rod
2. 1 CC58 Ground Rod Compression Coupler
3. 1 SBGT1161G CADWELD ONE SHOT: #6 Solid to 5/8"
4. 1 RTB30S3 Signal Circuit Protector
5. 1 DSD1401S150 120 V AC Surge Protector
6. TBD A809A04F #6 Solid Coil   (Order length in round feet)

### DTC Bungalow

1. 8 615850 5/8" x 5' Copper Bonded Ground Rod
2. 4 CC58 Ground Rod Compression Coupler
3. 1 EPD120/240TDFL Primary AC Surge Protector
4. 1 EPD1224ATAAR Secondary DC Surge Protector
5. TBD CSP Series Radio Communication Surge Protectors
6. 1 Surge Panel Custom Fitted Low Impedance Panel
7. TBD SBB2700AB10 Terminal Block
8. TBD DESTP Series Track Circuits Protection Device
9. 4 SBNX1161G CADWELD ONE SHOT
10. TBD A809A04F #6 Solid Coil   (Order length in round feet)

### Holophane® Light Poles (RTS)

1. TBD EHLPF3K Holophane ® Kit
2. 4 D/SMKIV-SS ERITECH ® DYNASPHERE, MKIV, SS
3. 1 GYR-162G CADWELD ® Mold, 2/0 Cable to 5/8 Ground Rod (115)
4. 10 115 CADWELD Welding Material, Copper to Copper
5. TBD A800A09F65 Copper Cable, 2/0, 19 Strand (65 feet)
6. 15 GEM 25A Ground Enhancement Material (GEM)  25 Pounds
7. 1 T416B Ground Inspection Well, 10" Round x 10" Deep, with Cover (HDPE)
8. 1 L160 E-Z Change Mold Handle Clamp
9. 8 615850 5/8" x 5' Copper Bonded Ground Rod
10. 4 CC58 Ground Rod Compression Coupler
11. 1 T313 Card Cloth Brush
12. 1 T394 Mold Cleaning Brush
13. 1 B13716 Ground Rod Driving Sleeve for 5/8 Copper Clad
14. 1 VBC2G CADWELD Mold, 2/0 Cable to vertical steel (115)
15. 1 T321 Rasp for Cleaning Steel, CADWELD Surface Preparation
16. 1 T111 Propane Torch Head

### Classification / Marshalling Yards Protection

[Classification Yard map with flags and country codes]
<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EPD1224ATAAR</td>
<td>Secondary DC Surge Protector</td>
</tr>
<tr>
<td></td>
<td>EPD120/240TDFL</td>
<td>Primary AC Surge Protector</td>
</tr>
<tr>
<td></td>
<td>SBB2700A2B10</td>
<td>Terminal Blocks</td>
</tr>
<tr>
<td></td>
<td>ESTP Series</td>
<td>Track Circuits Protection Devices</td>
</tr>
<tr>
<td></td>
<td>UTB Series</td>
<td>Low Voltage DC/AC Circuit Protectors</td>
</tr>
<tr>
<td></td>
<td>DSD Series</td>
<td>Control Signal / SCADA Protectors</td>
</tr>
<tr>
<td></td>
<td>SLP/HSP Series</td>
<td>High Speed Data / Telecom Circuit Protectors</td>
</tr>
<tr>
<td></td>
<td>LPC/PEC Series</td>
<td>LoadCell / WEIscale Circuit Protectors</td>
</tr>
<tr>
<td></td>
<td>LAN RJ451 ir 24 Series</td>
<td>High Speed Network Circuit Protectors</td>
</tr>
</tbody>
</table>

Classification Yard 6PP Material

**Retarder Controls**
- EPD1224ATAAR  Secondary DC Surge Protector
- EPD120/240TDFL  Primary AC Surge Protector

**Crest Tower / Yard Office**
- SYSTEM 3000/2000  Lightning Protection System  (To Be Custom Designed)
- Grounding System  (To Be Custom Designed)
- TBD  TDX Series  Secondary AC Surge Protection
- TBD  CSP Series  Radio Communication Surge Protection
- TBD  Surge Panel  Custom Fitted Low Impedance Panel
- TBD  SBB2700AB10  Terminal Blocks
- TBD  ESTP Series  Track Circuits Protection Devices
- TBD  UTB Series  Low Voltage DC/AC Circuit Protectors
- TBD  DSD Series  Control Signal / SCADA Protectors
- TBD  SLP/HSP Series  High Speed Data / Telecom Circuit Protectors
- TBD  LPC/PEC Series  LoadCell / WEIscale Circuit Protectors
- TBD  LAN RJ451 ir 24 Series  High Speed Network Circuit Protectors

**Classification / Marshalling Yards Classification Yard 6PP Material**
- GT NT NXGR  CADWELD® CONNECTIONS

**Radio Communications Protection**
- Robust design
- Simple plug-in installation
- CSP models to suit N and BNC cable terminations
- CSP bulkhead N-type versions available
- High impulse current rating (20kA 8/20µs)
- Wide operating frequency spectrum
- Low insertion and return loss
- Mounting bracket and ground lead included
- CE approved

**ERICO®**
- Offers a wide variety of exothermic connections for any application

**Classification/ Yard 6PP Material**
- CADWELD® ONE-SHOTS
- CADWELD® CONNECTIONS
### Classification Yard 6PP Material

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>03560</td>
<td>5' Copper Bonded Ground Rod 5/8&quot; x 5'</td>
</tr>
<tr>
<td>1</td>
<td>191601C</td>
<td>Ground Rod Compression Coupler</td>
</tr>
<tr>
<td>1</td>
<td>062115</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td>1</td>
<td>062116</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td>1</td>
<td>263901</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification / Marshalling Yards Protection</td>
</tr>
</tbody>
</table>

**Automatic Presence Detector**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>03560</td>
<td>5' Copper Bonded Ground Rod 5/8&quot; x 5'</td>
</tr>
<tr>
<td>1</td>
<td>191601C</td>
<td>Ground Rod Compression Coupler</td>
</tr>
<tr>
<td>1</td>
<td>062115</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification / Marshalling Yards Protection</td>
</tr>
</tbody>
</table>

**Wheel Detector**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>03560</td>
<td>5' Copper Bonded Ground Rod 5/8&quot; x 5'</td>
</tr>
<tr>
<td>1</td>
<td>191601C</td>
<td>Ground Rod Compression Coupler</td>
</tr>
<tr>
<td>1</td>
<td>062115</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification / Marshalling Yards Protection</td>
</tr>
</tbody>
</table>

**Radar Unit**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>03560</td>
<td>5' Copper Bonded Ground Rod 5/8&quot; x 5'</td>
</tr>
<tr>
<td>1</td>
<td>191601C</td>
<td>Ground Rod Compression Coupler</td>
</tr>
<tr>
<td>1</td>
<td>062115</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification / Marshalling Yards Protection</td>
</tr>
</tbody>
</table>

**DTC Bungalow**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>03560</td>
<td>5' Copper Bonded Ground Rod 5/8&quot; x 5'</td>
</tr>
<tr>
<td>4</td>
<td>191601C</td>
<td>Ground Rod Compression Coupler</td>
</tr>
<tr>
<td>1</td>
<td>062115</td>
<td>Ground Rod Driving Sleeve for 5/8 Copper Clad</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification / Marshalling Yards Protection</td>
</tr>
</tbody>
</table>

### Holophane® Light Poles (RTS)

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBD</td>
<td>EHLPF3K</td>
<td>Holophane® Kit</td>
</tr>
<tr>
<td>4</td>
<td>115</td>
<td>CADWELD® Mold, 2/0 Cable to 5/8 Ground Rod (115)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Classification / Marshalling Yards Protection</td>
</tr>
</tbody>
</table>

**Classification Yard 6PP Material Continued inside**