### MATERIALS LIST

<table>
<thead>
<tr>
<th>ITEM No.</th>
<th>NO.</th>
<th>ITEM DESCRIPTION</th>
<th>MATERIAL DESCRIPTION</th>
<th>QUANTITY</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>1</td>
<td>CONCRETE</td>
<td>0.46 m²</td>
<td>N32</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>&quot;L&quot; SHAPED ANCHOR BAR</td>
<td>N28 BAR WITH M24 THREAD</td>
<td>1010 m²</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>LEVELLING NUTS—REFER TO NOTES 1 &amp; 3</td>
<td>M24 HEX GALV. NUT</td>
<td>B.B/S</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>GALVANISED WASHERS</td>
<td>25 mm x 5 mm GALV. WASHERS</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>REINFORCING MESH</td>
<td>1.2 m²</td>
<td>M.S.</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>12*</td>
<td>&quot;U&quot; BARS</td>
<td>N12 BAR</td>
<td>800 mm</td>
<td>M.S.</td>
</tr>
</tbody>
</table>

**NOTES:**
- 4.5 m³ of footing installed at surface level.
- 860 mm if footing installed at surface level.

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### CONCRETE PROTECTION OF CONDUIT TO BE PROVIDED WHERE NECESSARY IN ACCORDANCE WITH AS3000

### SECTION A-A

**CONCRETE FOOTING:**
- GRADE N32, 1.2 m x 1.2 m footing shown. May be modified to suit site conditions. 1.44 m² of concrete to be maintained.
- Concrete footing, grade N32, 1.2 m x 1.2 m footing shown. May be modified to suit site conditions. 1.44 m² of concrete to be maintained.

**TRAFFIC SIGNAL/PUSH BUTTON POST:**
- Refer to BSD-4151

**SPRAY WITH COLD GAL:**
- BASE PLATE GROUTING: REFER NOTE 14
- N32 CONCRETE

**CONDUIT POSITION TO BE DETERMINED ON SITE TO SUIT SITE CONSTRAINTS:**

**PLAN VIEW**

**CONCRETE PROTECTION OF CONDUIT TO BE PROVIDED WHERE NECESSARY IN ACCORDANCE WITH AS3000**

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**NOTES:**
1. ALL NUTS TO CONFORM TO AZ1112 AND AS1252 & HOT DIPPED GALVANISED TO AS1214.
2. ALL WASHERS TO BE HOT DIPPED GALVANISED TO AS1214.
3. SCREW ON EACH BAR TWO NUTS WITH TWO FLAT WASHERS BETWEEN THEM AFTER GALVANISING.
4. ANCHOR BARS TO BE CLEANED AND THE WELDING SLAG REMOVE PRIOR TO BEING HOT DIP GALVANISED TO AS/NZS4880 AND AS1214.
5. THREADS SHOULD BE CLEAN AFTER GALVANISING AND A TEMPLATE PLACED OVER Threaded ENDS TO ENSURE THE ACCURACY OF THE P.C.D. OF BARS.
6. TOLERANCES: DIMENSIONAL ±5.0 (U.N.O).
7. FOR 1.7m/4.1m POST RAG BOLT SETOUT DETAILS REFER BSD-4151 AND BSD-4152.
8. DESIRABLE WIDTH OF FOOTING TO BE 1200mm x 1200mm, MINIMUM WIDTH OF FOOTING 900mm, HOWEVER 1.44 m² TO BE MAINTAINED.
9. CONCRETE SHALL BE N32.
10. 50 MIN. COVER TO ALL BARS.
11. A LICENSED ELECTRICAL WORKER SHALL SUPERVISE THE INSTALLATION OF CONDUIT.
12. BASE PLATE AS PER BSD-4152.
13. FOR THE PROVISION OF RECTANGULAR FOOTING, LONGER DIMENSION TO BE ORIENTATED PARALLEL TO THE DIRECTION OF THE LANTERN FACE.
14. MIX SAND/CEMENT GROUT IN A 3:1 RATIO BY VOLUME. ADD ENOUGH WATER TO GIVE A WORKABLE MIX. PACK THE MIX BENEATH THE BASE PLATE, CHAMFER SIDES OF PACKED GROUT TO GROUND AT 45°.
15. 25 mm MAX. HEIGHT OF THREAD TO BE LEFT PROJECTING ABOVE BASE PLATE LOCK DOWN NUT.
16. FOOTING CAN BE RAISED TO SURFACE LEVEL IF REQUIRED WHERE ADJACENT SURFACE IS PLAN CONCRETE OR GRASS, ANCHOR BAR LENGTH TO BE ADJUSTED TO SUIT.
17. ALL DIMENSIONS IN MILLIMETRES (U.N.O.).

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**BRISBANE CITY COUNCIL STANDARD DRAWING:**

**SPREAD FOOTING DETAILS**
- 4.1m TRAFFIC SIGNAL AND 1.7m PUSH BUTTON POSTS

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**DRAWING AUTHORIZED FOR PUBLICATION**
- P. Cotton Signature on Original dated 25 July 2015
- Project Manager Infrastructure Management 25 July 2015

**DESIGN APPROVED**
- A. Garvey Signature on Original dated 13 July 2015

**CHECKED**
- T & R Signature on Original dated 23 July 2015

**DRAWN**
- P. Garvey dated 25 July 2015

**ISSUE**
- 1

**AMENDMENT**
- 1

**DATE**
- Aug 15

**DATE**
- Nov 15

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**NOT TO SCALE**

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**BD-4153**

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**A3**

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**B**