CONCRETE NOTES - CONTINUED

4. ALL CONCRETE SHALL BE PRODUCED BY AN APPROVED SUPPLIER.

5. ALL CONCRETE SHALL BE MIXED IN CONFORMITY WITH AS 1379571 UNLESS OTHERWISE SPECIFIED.

6. ADHESIVES SHALL NOT BE USED UNLESS APPROVED IN WRITING BY THE SUPERINTENDENT.

7. TARGET HUMP TO BE AS PER WRT571.

8. CONCRETE STRENGTH AND CLEAR COVER TO REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE UNLESS EXPOSED TO CLASSIFICATION AS:

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>CONCRETE GRADE</th>
<th>CLEAR COVER TO REINFORCEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORED POLE</td>
<td>50/20</td>
<td>85</td>
</tr>
<tr>
<td>MASONRY / REINFORCED CONCRETE</td>
<td>N20</td>
<td>N/A</td>
</tr>
</tbody>
</table>

REINFORCEMENT NOTES

1. ALL REINFORCEMENT AND MATERIALS SHALL BE IN ACCORDANCE WITH WRT571.

2. THE CONTRACTOR SHALL SUBMIT SHAPED AND TEST CERTIFICATES FOR REINFORCING BAR TOGETHER WITH RIGID CERTIFICATION COMPLIANT WITH THE FOLLOWING, FOR APPROVAL OF THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF CONSTRUCTION:

   • THAT ALL REINFORCEMENT BARS SUPPLIED BY EITHER AN AUSTRALIAN OR OVERSEAS SUPPLIER ARE ACS CERTIFIED, REFER TO THE ACS CERTIFICATE OF CONFORMITY FOR ALL REQUIREMENTS.

   • THAT ALL REINFORCEMENT BARS ARE SUPPLIED BY A PROFESSIONAL originating from the ACS CERTIFICATE OF CONFORMITY THAT THEY COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS IN RELATION TO MATERIAL, COMPOSITION AND STRENGTH.

3. REINFORCEMENT SYMBOLS:
   - R STRUCTURAL PROJECTION BAR Ø50 TO AS 4671
   - N REINFORCED BAR Ø35 TO AS 4671
   - SL HARD DRAWN STEEL REINFORCING FABRIC Ø500 TO AS 4671

4. REINFORCEMENT NOTATION

   No. OF
   BAR GRACE
   BAR DIA

   12
   16
   20

   BARS

   BAR SPACING

   100
   100
   100

   100

   100

5. REINFORCEMENT IS SHOWN SYMBOLICALLY ON THESE DRAWINGS AND DOES NOT DEPICT THE PRECISE POSITION OF BARS AND BAR CONSTRUCTION.

6. MINIMUM DEVELOPMENT AND SPACING LENGTHS, UNLESS NOTED OTHERWISE

<table>
<thead>
<tr>
<th>BAR SIZE</th>
<th>N12</th>
<th>N16</th>
<th>N20</th>
<th>N25</th>
<th>N32</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIMUM LEB</td>
<td>500</td>
<td>650</td>
<td>800</td>
<td>1050</td>
<td>1400</td>
</tr>
</tbody>
</table>

7. STUDS IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN OR AS APPROVED BY THE SUPERINTENDENT.

8. WELDING OR THE JOINING OF THE REINFORCEMENT IS NOT PERMITTED WITHOUT THE DESIGNER'S APPROVAL.

9. ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION DURING FIFA BY APPROVED BAR CHAINS, SPACERS OR SUPPORT BARS. THE BAR CHAIN MATERIAL SHALL BE IN ACCORDANCE WITH WRT571.

10. COGS, CRANES AND HOISTS ARE STANDARD UNLESS NOTED OTHERWISE AND SHALL BE IN ACCORDANCE WITH AS 5100-2004.

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH OTHER SPECIFICATION WRT571.

2. MANUFACTURE AND PLACEMENT OF CONCRETE SHALL BE IN ACCORDANCE WITH WRT571.

3. CHAMBERS AND FLEETS - UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL EXPOSED CONCRETE EXCEPT A CONTAINED AREA OF LESS THAN 1200mm SHALL BE PROVIDED WITH 30MM CHAMBERS OR FLEETS AS APPROPRIATE.