TYPICAL REAR ELEVATION
GENERAL ARRANGEMENT

REAR ELEVATION
Fasteners omitted

SECTION A

NOTES:
1. BOAT RAMP INFORMATION SIGN GENERAL ARRANGEMENT. This drawing shall only be used for sign installation in hoists to medium cohesiveness sand
soil (or analogue), Region C wind categories (or less), and with a total
exposure height H less than 3500mm at 1000mm above ground level.
2. CONCRETE shall be 532/20 or MSCT70 poured directly against angled
hole and vibrated to full depth.
Concrete shall be minimum age 24 hours before sign face installation.
3. STEELWORK shall be fabricated to the requirements of MSCT78.
CHA shall be to AS/NZS 1163.
4. ZINC (Heli-arc) or other approved equivalent hot rolled steel products,
shall be to AS/NZS 1356.
5. STEELWORK shall be fabricated to the requirements of MSCT78.
All bolts, nuts, and washers for Class 8 bolts to AS/NZS 1232, the nuts Class 5 to AS 1172.4.
6. All bolts and nuts shall be hot dipped galvanized to AS 1214.
All other steelwork shall be hot dip galvanized to AS/NZS 4880.
7. ALUMINIUM Extruded aluminium shall be type 6061-T6 or 6063-T6.
Aluminium sheet sign substrate shall be 1.5 mm thick type 5251-T6.
8. SIGNAGE: Logo and background shall be Class 1W retroreflective defined
in AS/NZS 1010.1.
9. MSCT Type and spacing to fix sign plates to stiffener ends shall be:

<table>
<thead>
<tr>
<th>Rivet Type</th>
<th>Distance from Centre to Centre</th>
<th>Distance to Second Rivet</th>
<th>Maximum Spacing of Rivets</th>
</tr>
</thead>
<tbody>
<tr>
<td>10mm Rivet</td>
<td>37mm</td>
<td>50mm</td>
<td>200mm</td>
</tr>
</tbody>
</table>

10mm Rivet heads shall be coloured to match the surrounding material.

2. Specifications
   - Boats
   - General Arrangement

REFERENCES:
- Manual of Uniform Traffic Control Devices (MUTCD)
- Departmental Specifications
- MSCT70
- MSCT78 Fabrication of Structural Steelwork

ASSOCIATED DEPARTMENTAL DOCUMENTS:
- Manual of Uniform Traffic Control Devices (MUTCD)
- Reference Documents
- Departmental Specifications
- MSCT70
- MSCT78 Fabrication of Structural Steelwork

Department of Transport and Main Roads

BOAT RAMP
INFORMATION RAMP
MATERIALS, FABRICATION,
AND GENERAL ARRANGEMENT

4024
AS 1232
Standard Drawing No.
Type
Scale
A
1:50
A3