STEELWORK NOTES

1. All workmanship & materials shall be in accordance with AS5100.6, AS4100 & AS/NZS1554 as appropriate.

2. All steel shall be in accordance with:
   - AS/NZS3679 Grade 300 for hot rolled sections
   - AS1163 Grade C350.0 for rectangular hollow sections
   - AS1163 Grade C350.0 for circular hollow sections

3. All bolts to be metric hexagonal to AS/NZS1252 U.N.O.
   - All bolts to be M20 8.8 to AS/NZS 1252 U.N.O.
   - All bolts to be hot dip galvanised AS1214
   - All threads to be treated with 'Loc-Tite' to render tamper and vibration proof.

4. The contractor shall submit RPEQ certification confirming the following together with the relevant mill and test certificates to the superintendent for approval prior to commencing fabrication:
   - That the structural steel products supplied are from either an Australian or overseas acs certified manufacturer. Refer www.steelproducts.com for current certificate holders. Acrs refers to 'australian certification authority for reinforcing and structural steel'.
   - That where structural steel products are sourced from overseas for this project the certifying engineer has reviewed the mill and test certificates from the suppliers of the steel products and confirming that they comply with the relevant Australian standards in relation to material composition and strength.
   - That all bolts used shall comply with AS1252 and the current requirements of the Australian steel institute as technical note TN01 Version 3.

5. All cleats and gussets shall be 10mm plate to AS/NZS3679 Grade 300 U.N.O.

6. The ends of all tubular members are to be sealed with 5mm thick plates and continuous filled welded U.N.O.

7. Where members shown on the structural drawings are to be bent, curved or rolled the contractor shall be responsible for the methods required to achieve the required shapes without localised distortion of the members.

8. Before fabrication has commenced the contractor shall submit three (3) copies of the shop drawings to the superintendent for review. Review does not include checking of dimensions.

9. All welds to be 6mm continuous fillet welds (CFW) structural purpose (SP) welds U.N.O.
   - All welds to be made using Er70S6 or Weld 70G grade 1 or better electrodes to AS/NZS1554. Grind all corners & welds smooth.
   - A RPEQ certification confirming that all welding operations have been inspected and certified as complying with AS1254 by a qualified welding inspector appointed by the contractor shall be submitted to the superintendent for approval prior to the work being done.

10. All steelwork to be hot dip galvanised in accordance with AS/NZS2321.9 HDD000 specification. Corrosion protection coating to surface preparation of substrate material is class 2½ to AS1217 and pickled prior galvanising. Hot dipped galvanised coating shall be in accordance with AS/NZS4880.

11. The principal contractor shall confer with the fabricator and galvaniser to ensure vent holes are provided in accordance with AS/NZS 4850.

12. Protective coatings to be applied after all fabrication completed. No welding etc to be carried out during or after application of coating system.

13. Any post galvanising damaged to be made good with a high quality two pack epoxy zinc rich paint conforming to AS/NZS3750.9 with a minimum dry film thickness of 100 microns. Surface preparation as per paint manufacturer's recommendations.

SAFETY IN CONSTRUCTION NOTES

1. The contractor shall be experienced and competent to carry out the proposed works in accordance with all applicable current construction industry codes of practice, Australian standards and workplace health and safety regulations. The contractor shall be responsible for mitigating the risks relating to the construction operations including but not limited to the following:
   - All demolition works
   - All temporary works
   - Maintaining a safe workplace by providing safe access to all works areas and the use of appropriate protective equipment
   - Lifting of materials
   - Providing stable platforms for cranes, plumb rigs and other construction machinery
   - Excavations
   - Noise, dust, vapour, waste and vibration control
   - Protection of and protection from existing overhead and underground services
   - Contact Qld Dial Before You Dig (DBYD) for all underground services
   - Protection of neighbouring properties/adjacent existing structures
   - Environmental protection and management
   - Management of contaminated/hazardous materials
   - Traffic and pedestrian management
   - Site lighting and security

2. All temporary works, lifting operations, excavations and platforms for construction machinery shall be designed and certified by the contract's registered professional engineer (RPEQ) experienced in the relevant fields.

INSPECTIONS AND CERTIFICATION NOTES

1. Arrange & pay all costs for a registered professional structural engineer and a geotechnical engineer (RPEQ) to inspect and certify all construction work as specified in the contract.

2. The construction certificate shall state that all construction works have been carried out in accordance with AS/NZS4600 and AS/NZS4880 and be submitted to the superintendent by the principal contractor.

3. The contract documents and site instructions/variation orders issued during construction by city projects office.

STRUCTURAL DESIGN CERTIFICATION

DESIGN CHECK

AUTHORIZED FOR ISSUE

BRISBANE CITY COUNCIL STANDARD DRAWING

PARK NAME SIGNAGE - GENERAL STRUCTURAL NOTES - SHEET 2 OF 6

BSO-MRDB SHEET 1 of 6.png

BSS-MRDB SHEET 1 of 5 & 6.png

A3 A

1/20

1/20