NOTES:

DESIGN LOADS:
STATE LOADING: 0.75kN/m (SIMULTANEOUSLY TRANSVERSE AND VERTICAL)
AS PER AS5100.2

GENERAL NOTES:
1. ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE
   APPROPRIATE AUSTRALIAN STANDARDS THAT ARE CURRENT AT THE
   TIME OF CONSTRUCTION.
2. VERIFY LOCATIONS OF ALL SERVICES PRIOR TO COMMENCING
   WORK.
3. SAFETY PRECAUTIONS SHALL BE TAKEN TO AVOID INJURY TO
   PEOPLE DURING CONSTRUCTION. THE ATTENDING MACHINERY SHALL
   BE COVERED OR FENCED OFF AT ALL TIMES.
4. FOUNDATTONS HAVE BEEN DESIGNED ON THE ASSUMPTION THAT THE
   MINIMUM ALLOWABLE SHEAR CAPACITY OF SOIL IS 100kPa. IF THE
   GROUND CONDITION IS WEAKER, A STRUCTURAL ENGINEER (REDS) TO
   BE CONSULTED FOR A PROJECT SPECIFIC FOUNDATION DESIGN.
5. BASE PLATE SUPPORTING STL/STL STRUCTURE SHALL BE CHECKED
   BY A REDS FOR STRUCTURAL ACQUISITY.
6. ALL CONCRETE TO BE GRADE N25 MINIMUM.
7. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.

STEEL NOTES:
S1. CIRCULAR HOLLOW STEEL SECTIONS SHALL BE IN ACCORDANCE
   WITH AS1163 GRADE 450 LD.
S2. FOLLOWING PROTECTION TREATMENT IS REQUIRED FOR HANDRAILS:
   - HOT DIP GALVANISING
   - 85 MICRONS (600g/m2) MIN
   - SWEEP ABRASIVE BLAST.
S3. ALL POSTS TO BE VERTICAL.
S4. ALL HANDRAILS TO BE ROLLED TO MATCH SHAPE OF
   POST/RAIL IF RADIUS IS LESS THAN 20mm.
S5. MINIMUM LENGTH OF RAILS TO BE 2 SPANS LONG TO MINIMIZE NEED
   FOR JOINTS AT EVERY POST.
S6. ALL WELDS TO BE 5mm THICK C.F.W. (CONTINUOUS FLEET WELD)
   TO AS1558.1.
S7. ALL WELDS TO BE MADE USING ELECTRODES WITH A NOMINAL
   TENSILE STRENGTH OF 480MPa (OR BETTER) TO AS/NZS 1554.
   GRIND ALL CORNERS OF WELDS SMOOTH.
S8. EXPANSION JOINT TO BE PROVIDED IF THE LENGTH OF HANDRAIL
   EXCEEDS 20.0m.
S9. ALL STEELWORK IS TO BE HOT DIPPED GALVANISED TO AS/NZS
   4900. AFTER TREATMENT. THE ONLY SITE WELDING ALLOWED IS AT
   THE EXPANSION JOINTS. HOT GALVANISING TREATMENT OF THE SITE
   WELD IS TO APPLY 2 COATS OF INORGANIC ZINC PRIMER APPLIED
   BY BRUSH.
S10. STANDARD COUPLINGS (MONOKNOTS, SETSRAIL JOINTS, KEE-CLAMP,
   SKEWED JOINTS OR EQUAL APPROVED) FOR POST TO RAIL
    CONNECTIONS MAY BE USED AS AN ALTERNATIVE TO WELDS.
    PROVIDE 11° MAX DEFORMATION FROM HORIZONTAL (ON VERTICAL
    PLANE). REFER DETAILS FOR STANDARD COUPLINGS. FOR ANGLES
    GREATER THAN 11°, SPECIALLY COUPLINGS MAY BE USED UPON
    APPROVAL FROM COUNCIL.

STRUCTURAL DESIGN CERTIFICATION

BRAZIL BLEND CITY COUNCIL STANDARD DRAWING
BICYCLE FRIENDLY
GROUND-TREATED TUBULAR HANDRAIL
SHEET 2 OF 2
BND-7006
NOT TO SCALE