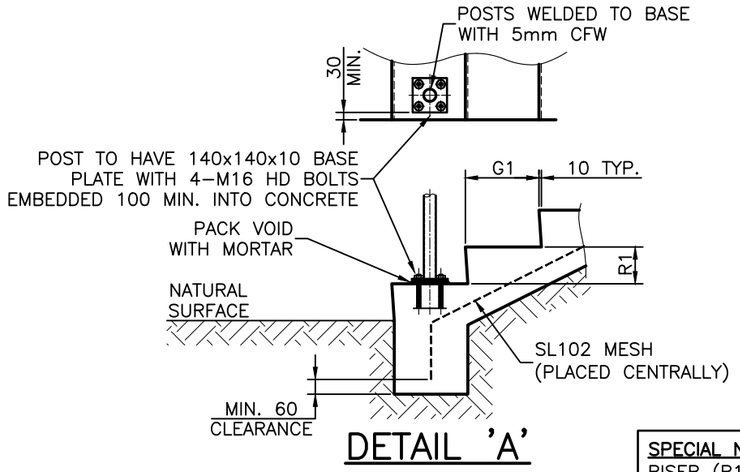
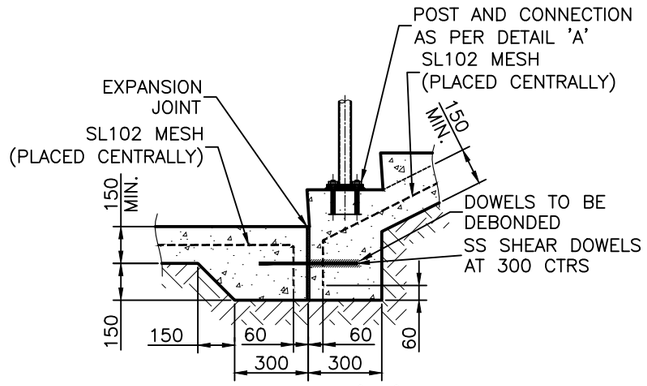
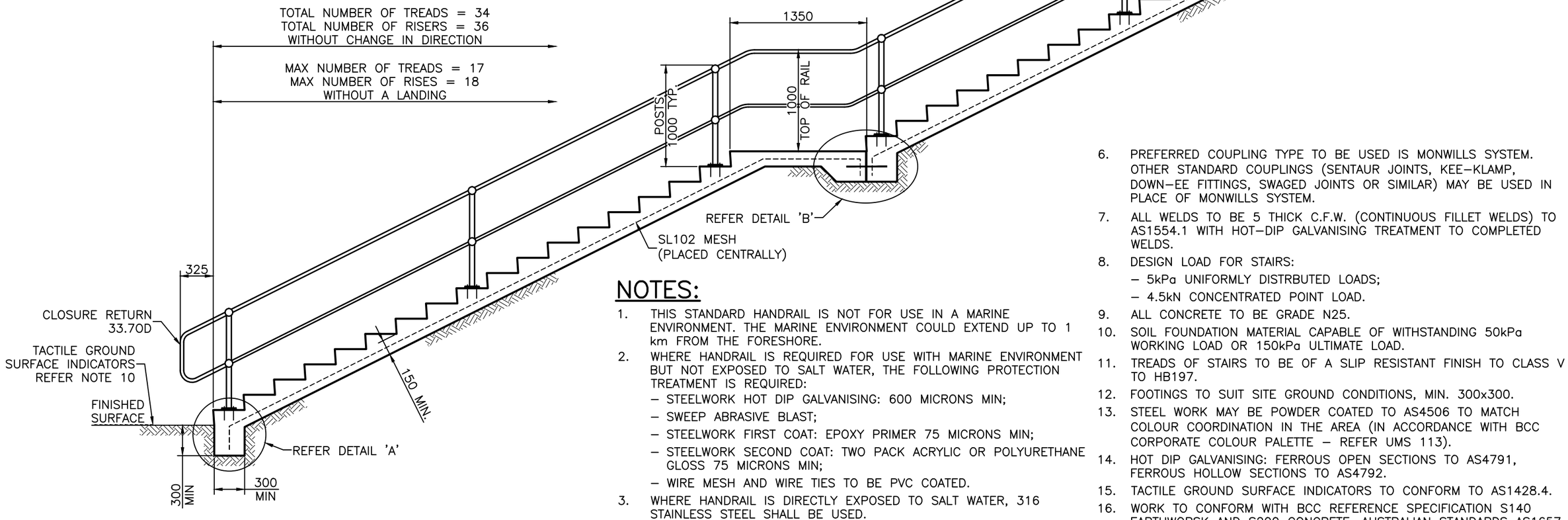


DETAIL 'A'



DETAIL 'B'

SPECIAL NOTE:
RISER (R1) AND GOING (G1) DIMENSIONS TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA (BCA)



NOTES:

1. THIS STANDARD HANDRAIL IS NOT FOR USE IN A MARINE ENVIRONMENT. THE MARINE ENVIRONMENT COULD EXTEND UP TO 1 km FROM THE FORESHORE.
2. WHERE HANDRAIL IS REQUIRED FOR USE WITH MARINE ENVIRONMENT BUT NOT EXPOSED TO SALT WATER, THE FOLLOWING PROTECTION TREATMENT IS REQUIRED:
   - STEELWORK HOT DIP GALVANISING: 600 MICRONS MIN;
   - SWEEP ABRASIVE BLAST;
   - STEELWORK FIRST COAT: EPOXY PRIMER 75 MICRONS MIN;
   - STEELWORK SECOND COAT: TWO PACK ACRYLIC OR POLYURETHANE GLOSS 75 MICRONS MIN;
   - WIRE MESH AND WIRE TIES TO BE PVC COATED.
3. WHERE HANDRAIL IS DIRECTLY EXPOSED TO SALT WATER, 316 STAINLESS STEEL SHALL BE USED.
4. ALL FIXINIGS INTO CONCRETE TO BE 316 STAINLESS STEEL.
5. PAINT SYSTEMS TO BE IN ACCORDANCE WITH AS2312 AND IS DESIGNATED HDG600P6 AND HDG600P.
6. PREFERRED COUPLING TYPE TO BE USED IS MONWILLS SYSTEM. OTHER STANDARD COUPLINGS (SENTAUR JOINTS, KEE–KLAMP, DOWN–EE FITTINGS, SWAGED JOINTS OR SIMILAR) MAY BE USED IN PLACE OF MONWILLS SYSTEM.
7. ALL WELDS TO BE 5 THICK C.F.W. (CONTINUOUS FILLET WELDS) TO AS1554.1 WITH HOT–DIP GALVANISING TREATMENT TO COMPLETED WELDS.
8. DESIGN LOAD FOR STAIRS:
   – 5kPa UNIFORMLY DISTRBUTED LOADS;
   – 4.5kN CONCENTRATED POINT LOAD.
9. ALL CONCRETE TO BE GRADE N25.
10. SOIL FOUNDATION MATERIAL CAPABLE OF WITHSTANDING 50kPa WORKING LOAD OR 150kPa ULTIMATE LOAD.
11. TREADS OF STAIRS TO BE OF A SLIP RESISTANT FINISH TO CLASS V TO HB197.
12. FOOTINGS TO SUIT SITE GROUND CONDITIONS, MIN. 300x300.
13. STEEL WORK MAY BE POWDER COATED TO AS4506 TO MATCH COLOUR COORDINATION IN THE AREA (IN ACCORDANCE WITH BCC CORPORATE COLOUR PALETTE – REFER UMS 113).
14. HOT DIP GALVANISING: FERROUS OPEN SECTIONS TO AS4791, FERROUS HOLLOW SECTIONS TO AS4792.
15. TACTILE GROUND SURFACE INDICATORS TO CONFORM TO AS1428.4.
16. WORK TO CONFORM WITH BCC REFERENCE SPECIFICATION S140 EARTHWORSK AND S200 CONCRETE, AUSTRALIAN STANDARDS AS1657, AS3600 AND THE BUILDING CODE OF AUSTRALIA (BCA).
17. DIMENSIONS IN MILLIMETRES (U.N.O.).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
A	ORIGINAL ISSUE	Feb '09	IC 01/11	PC 01/11

DESIGN AUTHORISED FOR ISSUE
P COTTON SIGNATURE ON ORIGINAL
MANAGER CITY ASSETS, R.P.E.Q: 2546
DESIGN APPROVED
C. BECKLEY SIGNATURE ON ORIGINAL
PRINCIPAL ENGINEER
STRATEGIC ASSET MANAGEMENT

DESIGN	CAB (DJL)	DATE	Feb '09
DRAWN	DJL	DATE	Feb '09
CHECKED	W. Lane	DATE	July '10
DRAWING FILENAME	/UMS 234.dwg		
ASSOCIATED PLANS			

BRISBANE CITY

BRISBANE CITY COUNCIL STANDARD DRAWING

REINFORCED CONCRETE STAIRWAY

SCALE: NOT TO SCALE
DWG No.: UMS 234
ORIGINAL SIZE: A3
REVISION: A

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