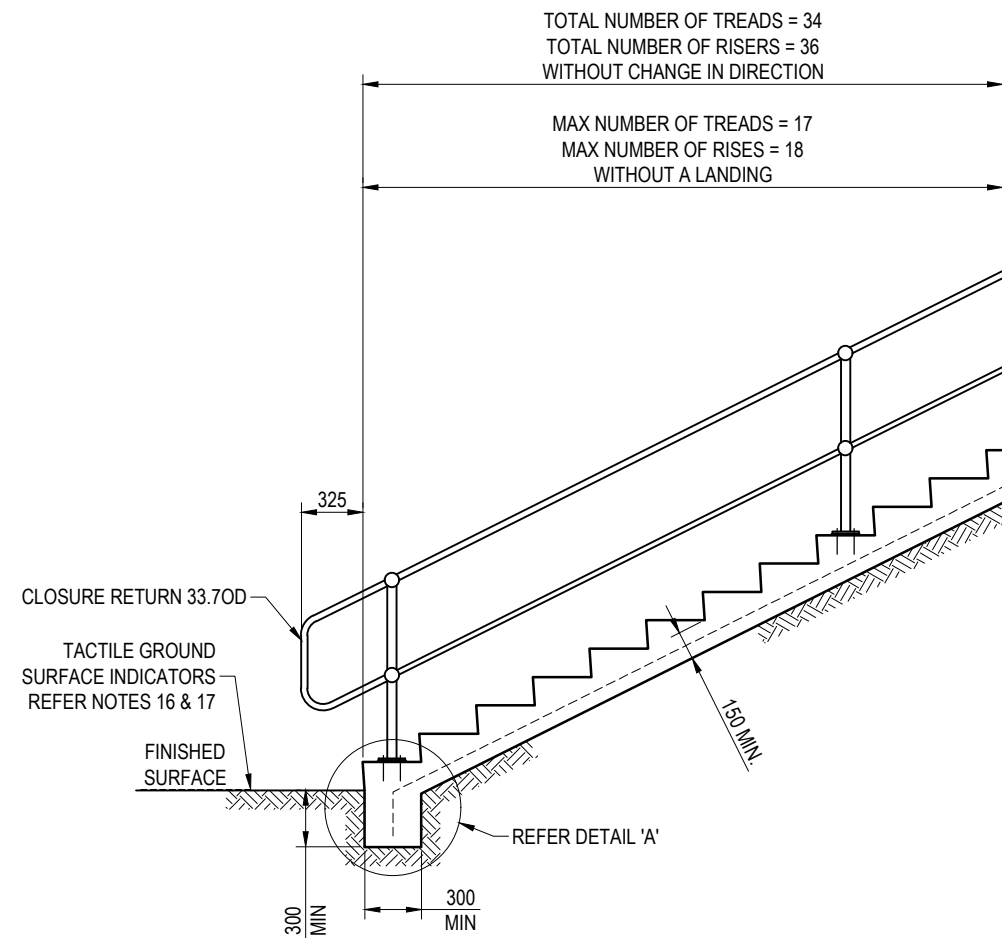


SPECIAL NOTE:
RISER (R1) AND GOING (G1) DIMENSIONS TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA (BCA)




NOTES:

- THIS STANDARD HANDRAIL IS NOT FOR USE IN A MARINE ENVIRONMENT. THE MARINE ENVIRONMENT COULD EXTEND UP TO 1km FROM THE FORESHORE.
- 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.
- WHERE HANDRAIL IS DIRECTLY EXPOSED TO SALT WATER, 316 STAINLESS STEEL SHALL BE USED.
- ALL FIXINGS INTO CONCRETE TO BE 316 STAINLESS STEEL.

- PAINT SYSTEMS TO BE IN ACCORDANCE WITH AS2312 AND IS DESIGNATED HDG600P6 AND HDG600P.
- PREFERRED COUPLING TYPE TO BE USED IS MONOWILLS SYSTEM. OTHER STANDARD COUPLINGS (SENTAUR JOINTS, KEE-KLAMP, DOWN-EE FITTINGS, SWAGED JOINTS OR SIMILAR) MAY BE USED IN PLACE OF MONOWILLS SYSTEM.
- ALL WELDS TO BE 5 THICK C.F.W. (CONTINUOUS FILLET WELDS) TO AS1554.1 WITH HOT-DIP GALVANISING TREATMENT TO COMPLETED WELDS.
- DESIGN LOAD FOR STAIRS:
 - 5kPa UNIFORMLY DISTRIBUTED LOADS;
 - 4.5kN CONCENTRATED POINT LOAD.
- ALL CONCRETE TO BE GRADE N25.
- SOIL FOUNDATION MATERIAL CAPABLE OF WITHSTANDING 50kPa WORKING LOAD OR 150kPa ULTIMATE LOAD.
- TREADS OF STAIRS TO BE OF A SLIP RESISTANT FINISH TO CLASS 'P5' (>4 MEAN BPN USING A SLIDER 55 (TRL) RUBBER PAD) TO AS/NZS4586.
- SLIP RESISTANCE TESTING TO BE UNDERTAKEN WITH A BRITISH PENDULUM TEST USING A SLIDER 55 (TRL) RUBBER PAD AND RECORDED AND PRESENTED AS A BPN BY A SUITABLY ACCREDITED NATA LABORATORY.
- FOOTINGS TO SUIT SITE GROUND CONDITIONS, MIN. 300 x 300.
- STEEL WORK MAY BE POWDER COATED TO AS4506 TO MATCH COLOUR COORDINATION IN THE AREA (IN ACCORDANCE WITH BCC CORPORATE COLOUR PALETTE - REFER BSD-1003).
- HOT DIP GALVANISING: FERROUS OPEN SECTIONS TO AS4791, FERROUS HOLLOW SECTIONS TO AS4792.
- TACTILE GROUND SURFACE INDICATORS (TGS) IN ACCORDANCE WITH AS/NZS1428.4 DESIGN FOR ACCESS AND MOBILITY.
- TGS TYPE/MATERIAL AND INSTALLATION AS PER BSD-5218.
- WORK TO CONFORM WITH BCC REFERENCE SPECIFICATION S140 EARTHWORKS AND S200 CONCRETE, AUSTRALIAN STANDARDS AS1657, AS3600 AND THE BUILDING CODE OF AUSTRALIA (BCA).
- DIMENSIONS IN MILLIMETRES (U.N.O.).

THE FITNESS FOR PURPOSE OF THIS STANDARD DRAWING FOR A SPECIFIC PROJECT SHALL BE ASSESSED AND ACCEPTED BY A SUITABLY QUALIFIED REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND (RPEQ).

	BRISBANE CITY COUNCIL STANDARD DRAWING		PUBLISH DATE
	STAIRWAY REINFORCED-CONCRETE		Mar '21
			SCALE
			NOT TO SCALE
		DRAWING NUMBER	BSD-5281
		ORIGINAL SIZE	A3
		REVISION	B