

GENERAL NOTES:

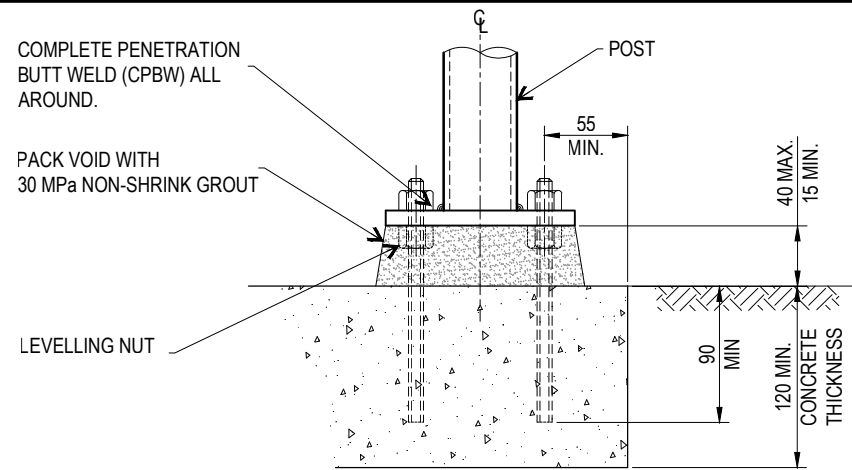
1. ALL WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE APPROPRIATE AUSTRALIAN STANDARDS AND WORKPLACE HEALTH AND SAFETY REGULATIONS THAT ARE CURRENT AT THE TIME OF CONSTRUCTION.
2. VERIFY LOCATIONS OF ALL SERVICES PRIOR TO COMMENCING WORK.
3. FOOTINGS HAVE BEEN DESIGNED ON THE ASSUMPTION THAT THE MINIMUM ALLOWABLE BEARING CAPACITY OF SOIL IS 100kPa AND MINIMUM CU = 50kPa FOR COHESIVE SOILS. THE ACTUAL SOIL CONDITION IS TO BE ASSESSED BY A GEOTECHNICAL ENGINEER (RPEQ) AND IF FOUND TO BE OF WEAKER STRENGTH OR OF DIFFERENT TYPE OF SOIL TO THE ONE ASSUMED, A STRUCTURAL ENGINEER (RPEQ) IS TO BE CONSULTED FOR A PROJECT SPECIFIC FOOTING DESIGN.
4. CONCRETE PIER FOOTINGS TO BE GRADE N25.
5. PEDESTRIAN FENCE / BARRIER IN THIS BSD ARE TO BE USED ONLY IN SITUATIONS CLEAR OF LONGITUDINAL VEHICLE IMPACT SO AS TO AVOID A POTENTIAL SPEARING HAZARD TO MOTORISTS. THESE HANDRAILS ARE NOT TO BE USED IN SITUATIONS WHERE MOTOR VEHICLES / CROWDS / PEOPLE UNDER PANIC CONDITIONS REQUIRE RESTRAINT.
6. PEDESTRIAN FENCE / BARRIER IN THIS BSD HAVE NOT BEEN DESIGNED FOR FLOOD LOADING. IF FENCE / BARRIER ARE REQUIRED TO RESIST FLOOD LOADING, THE PROJECT ENGINEER (RPEQ) WILL NEED TO ASSESS THE SUITABILITY OF THE BSD FOR USE AND MODIFY THE DESIGN AS REQUIRED.
7. NECESSARY DDA COMPLIANCE REQUIREMENTS IN ACCORDANCE WITH AS 1428.1 ARE TO BE ASSESSED AND COMPLIED BY THE PROJECT ENGINEER (RPEQ) FOR EACH PROJECT.
8. POSTS TO BE VERTICAL.
9. ALL HORIZONTAL RAILS TO BE ROLLED TO MATCH SHAPE OF PATH/WALL IF RADIUS IS LESS THAN 20m.
10. MINIMUM LENGTH OF RAILS TO BE 2 SPANS LONG TO MINIMISE NEED FOR JOINTS AT EVERY POST.
11. EXPANSION JOINTS SHALL BE PROVIDED IF THE LENGTH OF HANDRAIL EXCEEDS 20m.
12. DIMENSIONS IN MILLIMETRES (U.N.O.).

STEELWORK NOTES:

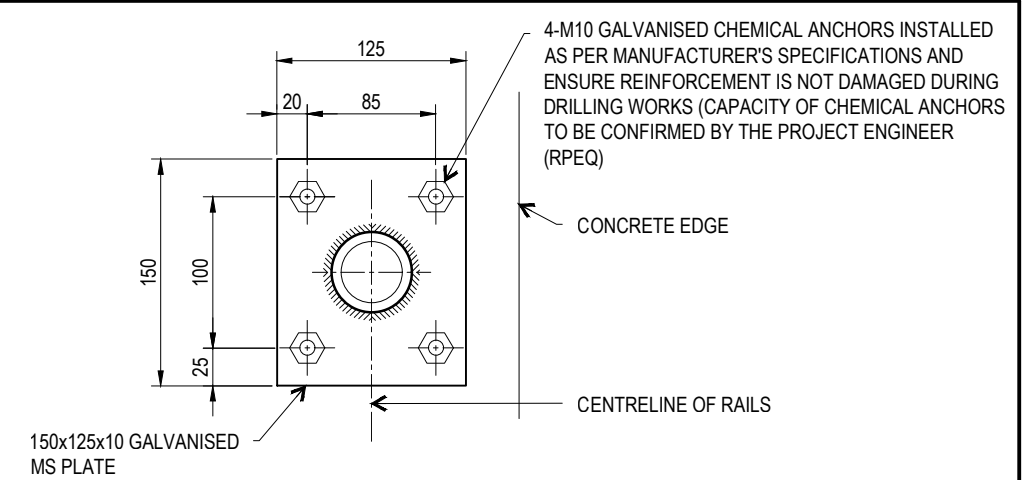
- S1. CIRCULAR HOLLOW STEEL SECTIONS SHALL BE IN ACCORDANCE WITH AS1163 GRADE C250LO. STEEL PLATES SHALL BE IN ACCORDANCE WITH AS/NZS3678 GRADE 250.
- S2. ALL STEELWORK TO BE HOT DIPPED GALVANISED IN ACCORDANCE WITH AS/NZS4680 U.N.O.
- S3. ALL WELDS TO BE 4mm THICK C.F.W. (CONTINUOUS FILLET WELDS) TO AS1554.1 U.N.O. WELDS TO BE MADE USING ELECTRODES WITH A NOMINAL TENSILE STRENGTH OF 490MPa (OR BETTER) TO AS/NZS1554.
- S4. STEELWORK MAY BE POWDER COATED (AFTER GALVANISING). HOT DIPPED GALVANISED SURFACES THAT ARE TO BE POWDER COATED ARE TO BE CLEANED AND PREPARED IN ACCORDANCE WITH AS4506 AND THE POWDER COATING MANUFACTURER'S WRITTEN INSTRUCTIONS, ENSURING EXCESSIVE REMOVAL OR DAMAGE OF THE ZINC COATING DOES NOT OCCUR. POWDER COATING PROCEDURES TO BE IN ACCORDANCE WITH AS4506 AND THE POWDER COATING MANUFACTURER'S SPECIFICATIONS. POWDER COATING SHALL BE SUFFICIENT FOR A MINIMUM C3 EXPOSURE CLASSIFICATION AND HAVE A MINIMUM MAINTENANCE FREE LIFE OF 25 YEARS. COLOUR OF POWDER COATING TO MATCH COLOUR COORDINATION IN THE AREA (IN ACCORDANCE WITH BCC CORPORATE COLOUR PALETTE - REFER BSD-1003).
- S5. PROTECTIVE COATING TO BE APPLIED AFTER ALL FABRICATION COMPLETED. NO WELDING ETC. TO BE CARRIED OUT DURING OR AFTER APPLICATION OF COATING SYSTEM.
- S6. ANY POST GALVANISING DAMAGE TO BE MADE GOOD WITH AN ORGANIC EPOXY ZINC RICH PAINT CONFORMING TO AS/NZS3750.9. PAINT TO BE APPLIED TO THE REPAIR AREAS IN TWO COATS. EACH COAT SHALL HAVE A MINIMUM DRY FILM THICKNESS OF 50 MICRON AND SHALL BE APPLIED AS PER THE MANUFACTURER'S SPECIFICATIONS.

STAINLESS STEEL NOTES:

- SS1. STAINLESS STEEL MATERIAL SHALL NOT BE STORED WITH CARBON STEEL.
- SS2. TOOLS USED FOR CARBON STEEL SHALL NOT BE USED TO FABRICATE OR ASSEMBLE STAINLESS STEEL COMPONENTS.
- SS3. THE STAINLESS STEEL SHALL BE WRAPPED OR OTHERWISE PROTECTED DURING TRANSPORT TO AVOID CONTAMINATION BY FERROUS PRODUCTS.
- SS4. WELDS SHALL BE 4mm C.F.W. (U.N.O.) CATEGORY 2B IN ACCORDANCE WITH AS1554.6 GRADE 316 ELECTRODES SHALL BE USED FOR GRADE 316L.
- SS5. LIMIT THE INPUT OF HEAT INTO THE WELD. THE WELD SHALL NOT BE PREHEATED, POST-HEATED OR STRESS RELIEVED.
- SS6. SURFACE FINISH OF WELDS SHALL BE GRADE 1, POLISHED USING 320 GRIT OR FINER, SILICONE CARBIDE ABRASIVES WITH LUBRICATION. AFTER POLISHING, WELDS SHALL BE PASSIVATED USING NITRIC ACID IN ACCORDANCE WITH ASTM A380.
- SS7. ALL STAINLESS STEEL COMPONENTS SHALL HAVE A RA<0.5µm AND PASSIVATED USING NITRIC ACID IN ACCORDANCE WITH ASTM A380.



ELEVATION

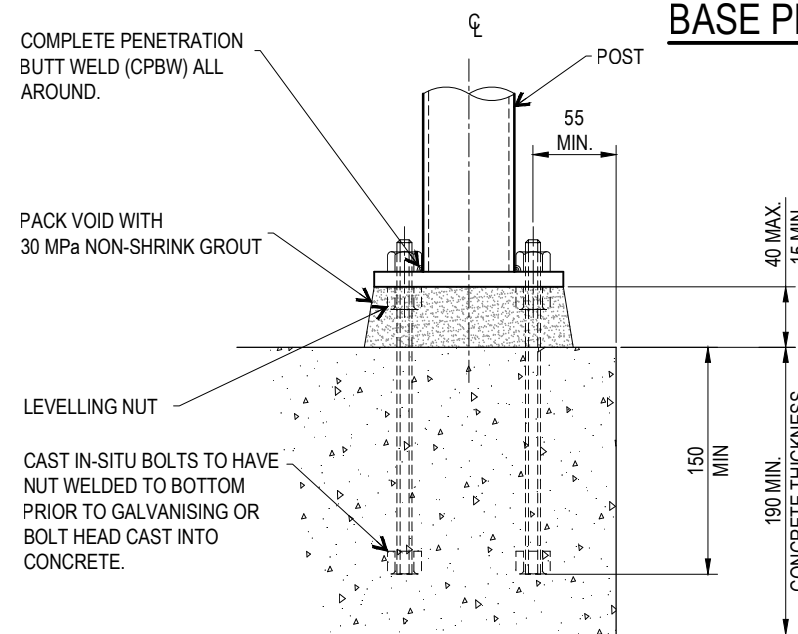


PLAN

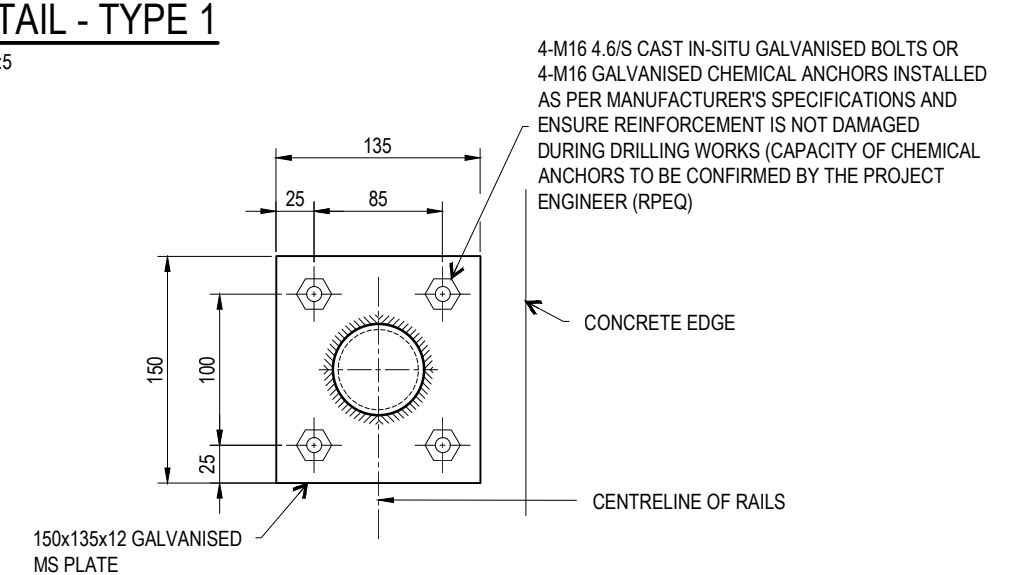
WHERE THERE IS NO FALL HEIGHT (LEVEL GROUND)

BASE PLATE DETAIL - TYPE 1

SCALE 1:5



ELEVATION

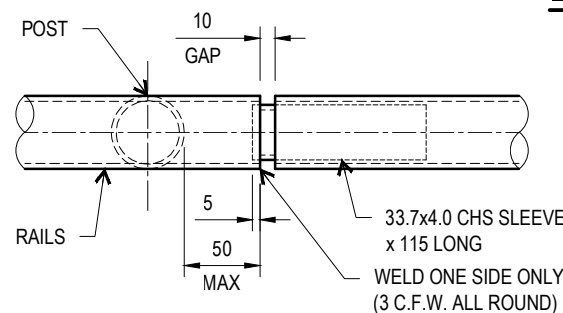


PLAN

WHERE THERE IS ANY FALL HEIGHT

BASE PLATE DETAIL - TYPE 2

SCALE 1:5



NOTE:
SPACING OF EJ'S TO SUIT FABRICATION, TRANSPORTATION AND INSTALLATION REQUIREMENTS. MINIMUM LENGTH OF CONTINUOUS RAIL TO BE TWO SPANS.

RAIL EXPANSION JOINT AT 20.0m MAX. CTS

(FOR CONTINUOUS HANDRAIL LENGTHS)

SCALE: 1:5

THE PURPOSE OF THIS STANDARD DRAWING IS TO PROVIDE TYPICAL DETAILS THAT SUPPORT THE DESIRED OUTCOMES OF THE BRISBANE CITY PLAN 2014 AND ASSOCIATED PLANNING SCHEME POLICIES. THE FITNESS FOR PURPOSE OF THIS STANDARD DRAWING FOR A SPECIFIC PROJECT SHOULD BE ASSESSED AND ACCEPTED BY AN APPROPRIATELY QUALIFIED DESIGNER AND/OR REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND (RPEQ).



BRISBANE CITY COUNCIL STANDARD DRAWING

PEDESTRIAN FENCE/BARRIER
GALVANISED TUBULAR HANDRAIL
SHEET 2 OF 2

PUBLISH DATE	JUN 2023
SCALE	NOT TO SCALE
DRAWING NUMBER	BSD-7001
ORIGINAL SIZE	A3
REVISION	D