

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE C.O.L.T.O. SPECIFICATION FOR ROAD AND BRIDGE WORKS (1986).
2. DESIGN BASED ON LIMIT STATE IN ACCORDANCE WITH PART 7, PART 3 BASED ON THE DESIGN LOADING 1.5 IN ACCORDANCE WITH PART 7 PARTS 1 & 2 1981 (REV. 1986). THE LIVE LOAD USED WAS 50 KPa
3. ESTIMATED ALLOWABLE BEARING PRESSURE IS 300 KPa.
4. CONCRETE TO BE CLASS 15/19 (15 MPa) IN BUILDING AND MASS CONCRETE
5. ~~CONCRETE~~ TO ALL REINFORCEMENT
6. ALL FORMED SURFACE FINISHES TO BE:
 - EXPPOSED FACES - CLASS F2 FINISH (SMOOTH)
 - CONCEALED FACES - CLASS F1 FINISH (ROUGH)
8. ALL UNFORMED SURFACE FINISHES TO BE:
 - TOP OF PIER - CLASS U2 (FLAT)
9. REINFORCEMENT TO BE BENT IN ACCORDANCE WITH S.A.B. S-21/97
10. REINFORCEMENT TO CONFORM TO S.A.B.S. 920-1985
11. ALL SHARP CORNERS TO BE ROUNDED USING CHAMFER 20mm
12. BRIDGE NUMBER FORMED IN CONCRETE. DURING CONSTRUCTION A NEGATIVE PLATE WITH NUMERALS 75mm high and 10mm deep IS TO BE PLACED FLUSH AGAINST THE SLAB SURFACE, APPROXIMATELY 100mm FROM THE TOP SURFACE. THE LETTERS AND NUMBER INVERTS ARE TO BE CAST CAREFULLY WITH TWO COATS OF BLACK ALKALI RESISTANT PAINT.
13. 100mm THICK CONCRETE SLAB TO BE CAST AS DETAILED ABOVE 150mm LAYER OF 100mm D. MATERIAL, COMPACTED TO 95% MOD ASHTO EDGE BEAMS TO BE PLACED ON 150mm OF GF
14. PRIOR TO CASTING THE FOUNDATION CONCRETE, THE FOUNDATION EXCAVATION SHOULD BE INSPECTED AND APPROVED BY THE ENGINEER. WEAK MATERIAL TO BE REPLACED BY 15MPa MASS CONCRETE.

1. THE STRUCTURAL STEEL WORK IS DESIGNED IN ACCORDANCE WITH SABS 0162:1993 PART 1: LIMIT STATE DESIGN OF HOT ROLLED STEELWORK.
2. STRUCTURAL STEEL SHALL BE SABS 1431.
3. ALL CONNECTION BOLTS SHALL BE HIGH STRENGTH FRICTION GRIP BOLTS (HSFG) GRADE 8.8 IN ACCORDANCE WITH SABS 0162:1993 PART 1: LIMIT STATE DESIGN OF HOT ROLLED STEELWORK. ELECTROLYTIC BOLTS SHALL NOT BE ACCEPTED.
4. TIGHTENING OF THE CONNECTING BOLTS SHALL BE IN ACCORDANCE WITH SABS 0162:1993 PART 1: LIMIT STATE DESIGN OF HOT ROLLED STEELWORK AS DESCRIBED IN CLAUSE 23.5 OF SABS 0162 PART 1: 1. THE HOLDING DOWN (HD) BOLTS AND WASHERS SHALL BE GR8.8 TO BS 5899.
5. ALL STEELWORK AND BOLTS, INCLUDING THE HOLDING DOWN BOLTS, SHALL BE HOT DIP GALVANISED TO SABS ISO 1461:2000.
6. THE CONTRACTOR SHALL SUBMIT SHOP DETAIL DRAWINGS TO THE ENGINEER FOR HIS APPROVAL PRIOR TO THE COMMENCEMENT OF THE ERECTION OF THE STRUCTURE.
7. ALL WELDS TO BE 6mm CONTINUOUS UNLESS OTHERWISE SPECIFIED.
8. DETECTED AREAS REQUIRING RECTIFYING SHALL BE COATED WITH ZINCFOX OR SIMILAR APPROVED

[illegible]