



NOTES

1. GENERAL

1.1 LETTERS AND NUMBERS SHALL BE TYPE "B" LETTERS TO DIN 1451 PART 2

1.2 THE DATE ON THE BRIDGE NUMBERS SHALL BE THE YEAR IN WHICH THE BRIDGE WAS COMPLETED.

1.3 THE BRIDGE NUMBERS SHALL HAVE A WHITE BACKGROUND WITH BLACK LETTERS, NUMERALS AND BORDER.

2. MANUFACTURE OF NUMBER PLATES AND TEMPLATES

2.1 TYPE 1 : NUMBER PLATES

2.1.1 THE NUMBER PLATES SHALL BE MANUFACTURED FROM NON-METALLIC, UV RESISTANT MATERIAL.

3. CONSTRUCTION

3.1 TYPE 1 : NUMBER PLATES

3.1.1 THE BRIDGE NUMBER PLATES SHALL BE POSITIONED AS SHOWN.

3.1.2 THE NUMBER PLATE SHALL BE SECURELY FASTENED TO THE INSIDE FACE OF THE SHUTTER BY MEANS OF M10 ANCHOR BOLTS. THE PROTRUDING THREADS OF THE BOLTS SHALL BE COATED WITH AN APPROVED DEBONDING AGENT. ONCE THE CONCRETE HAS SET AND PRIOR TO STRIPPING THE SHUTTER THE M10 ANCHOR BOLTS SHALL BE REMOVED. THE BOLT HOLES SHALL BE MADE GOOD WITH EPOXY FILLER AND THE PAINT WORK TOUCHED UP.

NOTES FOR INSPECTION EYE AND CLEAT

1. GENERAL
- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT CLAUSES OF SECTION C13 AND SECTION C20 OF THE STANDARD SPECIFICATIONS. THE PROJECT SPECIFICATIONS AND SHALL INCLUDE THE FOLLOWING:
- 1.1 STRUCTURAL MILD STEEL SHALL COMPLY WITH THE REQUIREMENTS OF SANS 1431:2005 GRADE 350W.
- 1.2 BUTTON CAP SCREWS AND NUTS SHALL BE STAINLESS STEEL AS SUPPLIED BY "WLS FASTENER MANUFACTURING COMPANY". (SCREW = GRADE 316, NUT = GRADE 304)
- 1.3 WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF BS 5135.
- 1.4 THE SURFACE PREPARATION AND CORROSION PROTECTION OF THE STRUCTURAL STEEL MEMBERS SHALL BE AS FOLLOWS:
- 1.4.1 BY MANUFACTURER PRIOR TO DISPATCH TO THE WORKS
- (a) DESIGN, FABRICATION AND INSPECTION SHALL COMPLY WITH THE RECOMMENDATIONS OF SANS 121:2000. NOTE THE APPENDIX DEALING WITH THE EFFECT OF CHEMICAL COMPOSITION OF STEEL.
- (b) AFTER MANUFACTURE THE COMPLETE ASSEMBLY SHALL BE HEAVY DUTY HOT-DIP GALVANISED IN ACCORDANCE WITH SANS 121:2000 TO A ZINC COAT THICKNESS OF NOT LESS THAN 105 MICRONS.
- 1.4.2 ON SITE
- THE EXPOSED FACES OF THE FRAME AND COVER SHALL BE "DUPLEX COATED" IN ACCORDANCE WITH SAHOGA 01-1990. (THE SOUTH AFRICAN HOT-DIP GALVANISERS ASSOCIATION.)
- PREPARATION
- SURFACES TO BE PAINTED SHALL BE VERY THOROUGHLY DEGREASED BY THE USE OF "PLASCON AQUASOLV" OR EQUAL APPROVED WATER MISIBLE SOLVENT BASED DEGREASER APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, FOLLOWED BY WASHING WITH CLEAN POTABLE WATER. IF THE SURFACE IS NOT "WATER BREAK FREE", THE PROCESS SHALL BE REPEATED.
- PRIMING
- APPLY A TWO COMPONENT EPOXY PRIMER DESIGNED FOR APPLICATION TO GALVANISED STEEL "PLASCON GW 5" OR EQUAL APPROVED TO A DRY FILM THICKNESS OF 80 ±20 MICRONS.
- TOP COAT
- APPLY ONE COAT OF TWO COMPONENT ACRYLIC MODIFIED ALIPHATIC POLYURETHANE "PLASCON CPC" OR EQUAL APPROVED. MIXED AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO A DRY FILM THICKNESS OF 35 ±10 MICRONS. THE COLOUR OF THE TOP COAT SHALL BE G29 LIGHT GREY TO SANS 1091:2004
- GALVANISING AT HOLES DRILLED FOR FIXING OF GUARDRAIL TO END BLOCK AND CUT ENDS OF GUARDRAILS SHALL BE REPAIRED WITH "ZINCRIK", AVAILABLE FROM THE HOT-DIP GALVANISERS ASSOCIATION OF SOUTHERN AFRICA.

FOR TENDER
PURPOSES ONLY

CONSTRUCTION RECORD (AS-BUILT)				DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		EASTERN REGION		ACCEPTANCE		REHABILITATION OF NATIONAL ROUTE N11 SECTION 13 FROM		PROJECT NUMBER		NRA N.011-130-2010/1	
WORKS CONTRACT ENGINEER				NAME		NAME		48 Tambotie Avenue		58 van Eck Place		THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING		R518 INTERSECTION(km 8.340) TO GROOTSANDSLOOT RIVER(km 24.280)		DRAWING LOCATION DATA			
Name				Prof. Reg. No.		Date		Pretoria		Pietermaritzburg						ROUTE		N11	
Date				CHECKED BY		11/03/2021		0184		3201						SECTION		13	
SANRAL PROJECT MANAGER				NAME				PO Box 415		PO Box 100410						DRAWING km DISTANCE		15.58	
				Prof. Reg. No.				South Africa		Scottsville						DRAWING TYPE		STRUCTURES-BRIDGES	
				DRAWN BY				Tel: (012) 844 8000		Tel: (033) 392 8100						BRIDGE/STRUCTURE No.		B0270	
V0 11/03/2021 ORIGINAL VERSION				NAME												CONSULTANT DRAWING No.		BCD/B0270/15	
No. DATE REVISION				CONSULT. ENG.												SANRAL DOCUMENT #		V0	