

**1. GENERAL NOTES FOR ENDBLOCK CONNECTION:**

ALL WORK SHALL COMPLY WITH THE RELEVANT CLAUSES OF CHAPTERS 13, 14 & 20 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE WORKS FOR SOUTH AFRICAN ROAD AUTHORITIES, THE PROJECT SPECIFICATIONS AND SHALL INCLUDE THE FOLLOWING:

1.1. STRUCTURAL MILD STEEL SHALL COMPLY WITH THE REQUIREMENTS OF SANS 50025 GRADE S275JR.

1.2. M20 FIXING BOLTS AND NUTS SHALL BE GRADE 8.8 TO SANS 1700 SET:1996

1.3. WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 1011.

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 OF WORKS:

(a) DESIGN, FABRICATION AND INSPECTION SHALL COMPLY WITH THE RECOMMENDATION OF SANS 121-2000, NOTE THE APPENDIX DEALING WITH THE EFFECT OF CHEMICAL POLLUTION.

(b) AFTER MANUFACTURE THE COMPLETE ASSEMBLY, INCLUDING FIXING BOLTS 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:

GALVANISING AT HOT-DIP RIDGES FOR FIXING OF GUARDRAILS TO END BLOCK AND SPREADS OF GUARDRAILS SHALL BE PREPARED WITH HOT-DIP GALVANISING APPROVED BY THE HOT-DIP GALVANISERS ASSOCIATION OF SOUTHERN AFRICA

MATERIALS  
 PLATE : 100x10 FLAT BAR  
 STUDS : 50x10 FLAT BAR  
 (ALSO NOTE 8.2)

10 END GAP TO  
GUARDRAILS

## CONNECTION

## DETAILS

**TYPICAL PLAN SECTION THROUGH END OF EM**  
SCALE 1:5

$\mathbb{K}$

**SECTION K - K**

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TOP CORNERS ROUNDED 20mm

	<u>CONSULTANT APPROVAL</u>	HEAD OFFICE	<b>CANAL</b>	NORTH
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TOP CORNERS ROUNDED 20° min

525

305 95 125

TOP CORNERS

525

305 95 125

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