

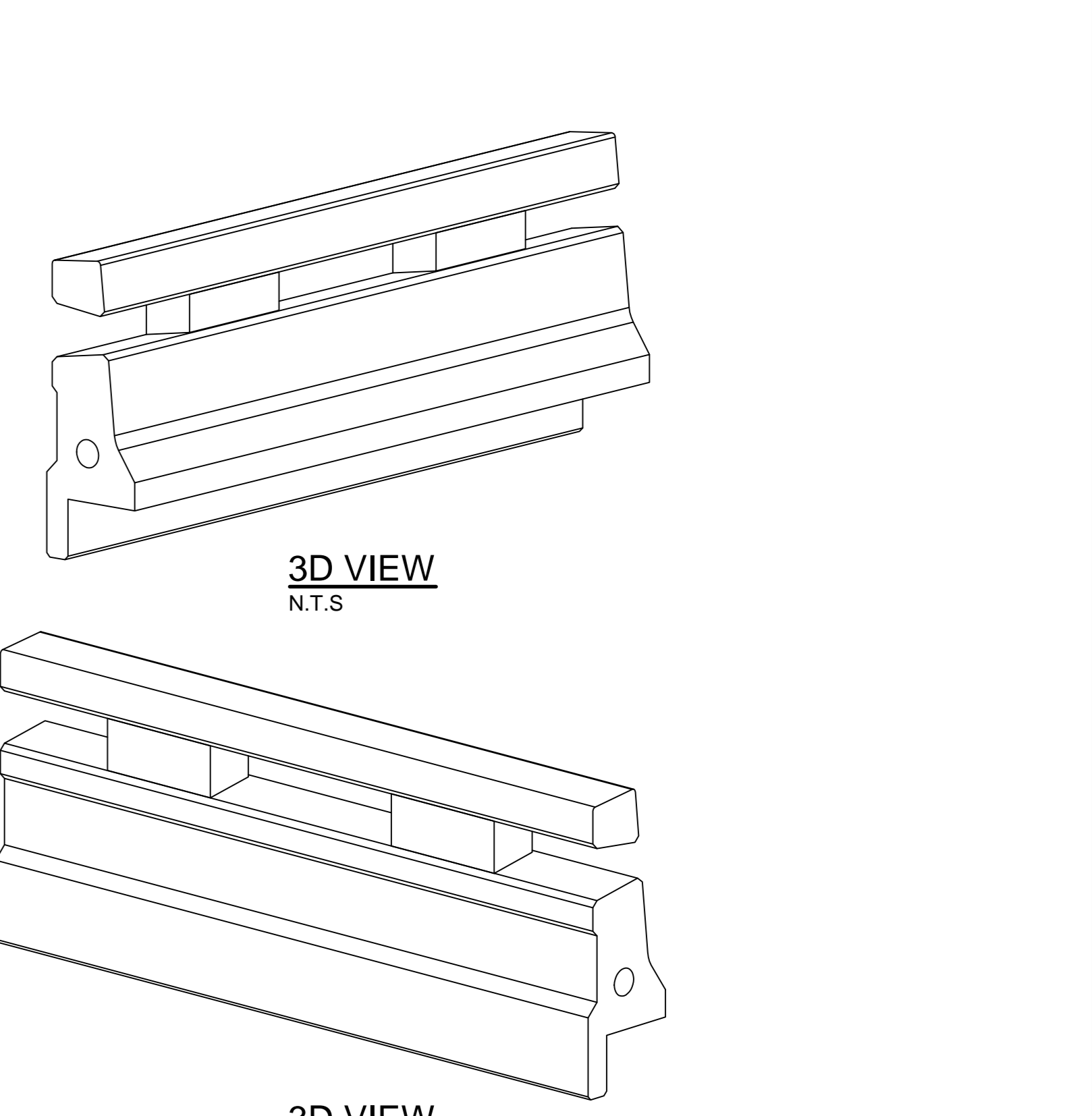
NOTES

REBAR NOTES :

- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT CLAUSES OF SECTION 6300 AND 6800 OF THE STANDARD SPECIFICATIONS, THE PROJECT SPECIFICATION, AND SHALL INCLUDE THE FOLLOWING:
- THE REINFORCEMENT DETAILS SHOWN ON THIS DRAWING ARE FOR CONVENTIONAL REINFORCING STEEL BARS.
- CONCRETE CLASS : W40/19
- MINIMUM CONCRETE COVER TO REINFORCEMENT : 40mm SPECIAL ATTENTION SHALL BE GIVEN TO THE NUMBER AND POSITIONING OF THE COVER BLOCKS TO ENSURE THAT THE CONCRETE COVER IS MAINTAINED DURING CONCRETING.
- FOR PARAPET UNITS WITH INSPECTION EYES THE LONGITUDINAL REINFORCEMENT INTERRUPTED BY THE OPENINGS MAY BE CUT TO SUIT. VERTICAL BARS FOWLING INSPECTION EYES TO BE MOVED. THE 40mm CONCRETE COVER SHALL BE MAINTAINED.
- LAP LENGTH : 45 DIA.
- ABBREVIATIONS:
EF = EACH FACE
FF = FAR FACE
NF = NEAR FACE
AS = AS SHOWN
- ALL REINFORCEMENT TO BE HEAVY DUTY HOT-DIP GALVANISED IN ACCORDANCE WITH SANS 121:2000 TO A ZINC COAT THICKNESS OF NOT LESS THAN 105 MICRONS.
- ALL DOWELS TO BE SAWCUT.

PARAPET NOTES.

- DESIGN LOADING
- BRIDGE PARAPETS SHALL BE DESIGNED FOR A NOMINAL POINT LOAD OF 100kN ACTING AT A HEIGHT OF 700mm ABOVE THE ROAD SURFACE.
- THE PARAPET
- SHALL NOT BE DESIGNED AS AN INTEGRAL PART OF THE DECK WITHOUT APPROVAL I.E. IT SHALL BE POSSIBLE TO REMOVE THE BALUSTRADE SHOULD THE BRIDGE REQUIRE WIDENING, THE BALUSTRADE SHALL BE CAST AFTER THE DECK IS SELF SUPPORTING.
- ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE WORKS'. (COLTO)
- MATERIAL AND FINISHES
- THE MATERIAL AND WORK SHALL COMPLY WITH THE RELEVANT CLAUSES OF SERIES 6000 AND 8000 OF THE STANDARD SPECIFICATIONS, THE PROJECT SPECIFICATIONS AND SHALL INCLUDE THE FOLLOWING.
- CONCRETE CLASS (MPa/mm) : W40/19.
- STEEL REINFORCING BARS SHALL COMPLY WITH SANS 920:1985 HIGH YIELD BARS : MIN YIELD STRESS 450 MPa. MILD STEEL BARS : MIN YIELD STRESS 250 MPa. ALL REINFORCING TO BE HOT DIPPED GALVANISED.
- MINIMUM CONCRETE COVER TO REINFORCEMENT : 40mm.
- SURFACE FINISHES: (EXPOSED FACES)
- CLASS F3 - STEEL SHUTTER FINISH.
- CLASS U3 - STEEL TROWEL FINISH.
- CURLING
- PARAPETS ARE TO BE CURED BY EITHER METHOD (d), (e), OR (f) OF COLTO CLAUSE 6409, AS AGREED WITH ENGINEER.
- GENERAL
- INSPECTION EYES TO BE PROVIDED AT DISTANCE NOT EXCEEDING 50m.
- T = 60 MIN (20 mm LEVELLING COURSE + 40mm ASPHALT) OR 100 MAX (20 mm LEVELLING COURSE + 2x40mm ASPHALT)



<p>CONSTRUCTION RECORD</p> <p>WORKS CONTRACT ENGINEER</p> <p>Name : _____</p> <p>Prof. Reg. No. : _____</p> <p>Date : _____</p> <p>SANRAL PROJECT MANAGER</p> <p>Name : _____</p> <p>Date : _____</p>		<p>DESIGNED BY</p> <p>NAME : W BLUKER # _____</p> <p>Prof. Reg. No. : _____</p> <p>CHECKED BY</p> <p>NAME : W BLUKER # _____</p> <p>Prof. Reg. No. : _____</p> <p>DRAWN BY</p> <p>NAME : D VAN DEN BERG</p>		<p>CONSULTANT APPROVAL</p> <p>Name : PB MENTZ # _____</p> <p>Prof. Reg. No. : 789400</p> <p>Date : 01/09/2014</p>		<p>HEAD OFFICE</p> <p>48 Tambotie Avenue Val de Grace Pretoria 0184</p> <p>PO Box 415 Pretoria 0001 South Africa</p> <p>Tel: (012) 844 8000</p>		<p>THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD</p> <p>EASTERN REGION</p> <p>58 Van Eck Place Pietmaritzburg 3201</p> <p>P.O. Box 100410 Scottsville 3209</p> <p>Tel: (033) 392 8100</p>		<p>ACCEPTANCE</p> <p>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</p> <p>for CEO: SA NATIONAL ROADS AGENCY SOC LTD</p> <p>Date: _____</p>		<p>PROJECT DESCRIPTION</p> <p>CONSTRUCTION OF AN OVERLOAD CONTROL FACILITY AND INTERCHANGE AT ETEZA ON NATIONAL ROUTE N2 SECTION 29</p> <p>ETEZA INTERCHANGE OVERPASS BRIDGE B0299</p> <p>PARAPET CONCRETE AND REBAR DETAIL</p>		<p>PROJECT NUMBER</p> <p>N002-290-2005/1</p> <p>DRAWING LOCATION DATA</p> <p>ROUTE : N002</p> <p>SECTION : 29</p> <p>DRAWING km DISTANCE : 46</p> <p>DRAWING TYPE : STRUCTURES-BRIDGES</p> <p>BRIDGE/STRUCTURE No. : B0299</p> <p>CONSULTANT DRAWING No. IC : BCD/0299/22</p> <p>SANRAL DOCUMENT # : 247892</p>		<p>SCALE : AS SHOWN</p> <p>SHEET 22 OF 26</p> <p>VER V1A</p>	
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