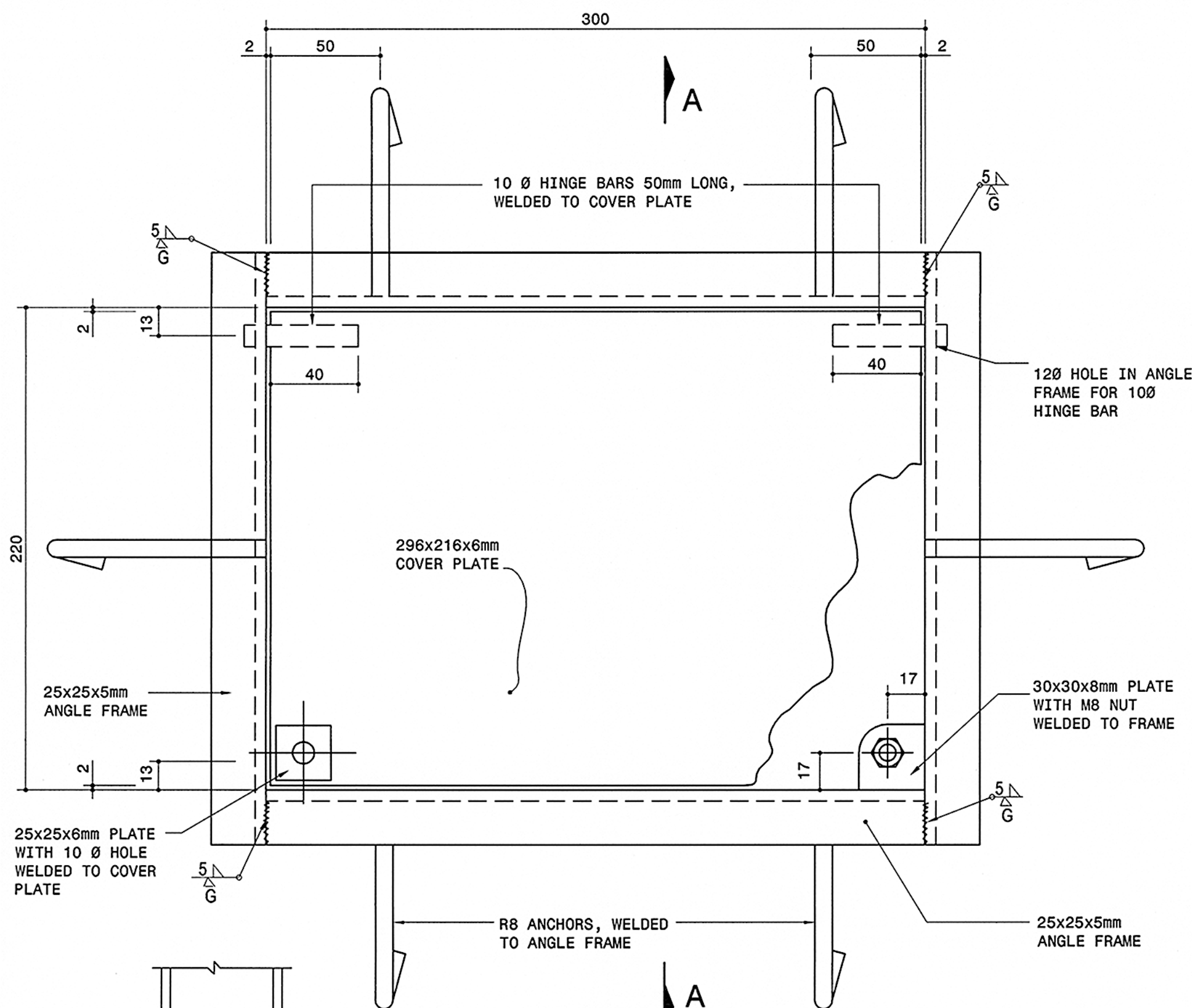
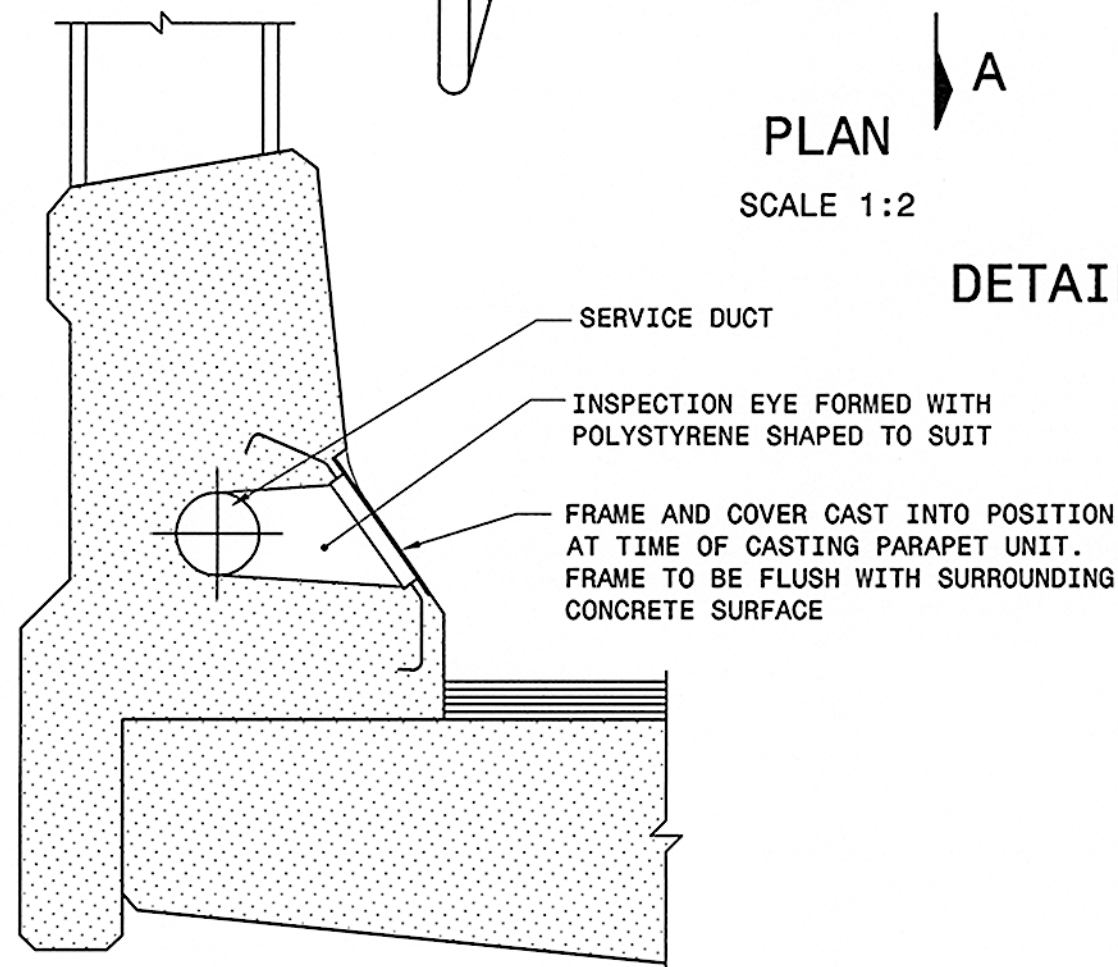


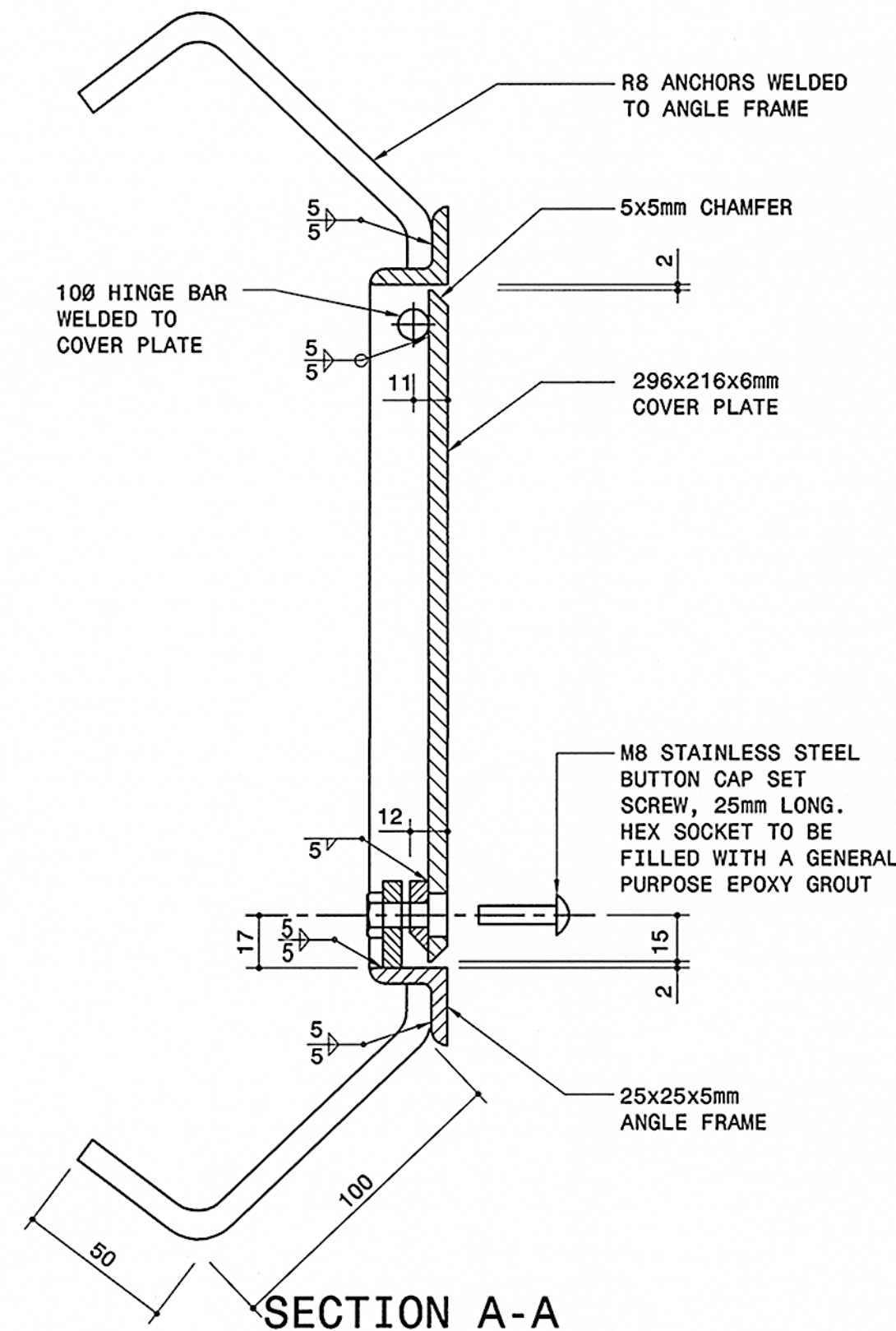


PLAN
SCALE 1:2

DETAIL OF INSPECTION EYE FRAME AND COVER



TYPICAL DETAIL OF INSPECTION EYE
SCALE 1:10



SECTION A-A
SCALE 1:2

NOTES

1. GENERAL

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT CLAUSES OF SECTION 6700 AND SECTION 5400 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 SAHDGA 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 MISCIBLE 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

No.	DATE	REVISION	APPROVED
V1	2012-05-23	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED
Date: 2012-05-23

TYPICAL DRAWINGS - STRUCTURES

TD-S-P-5001-1-V1
GENERAL DETAILS
SERVICE DUCTS-INSPECTION EYE FRAME & COVER DETAILS

SANRAL DOC. No. (PDF)
223297
SANRAL DOC. No. (DWG)
223298
SANRAL DRAWING No.
TD-S-P-5001-1-V1