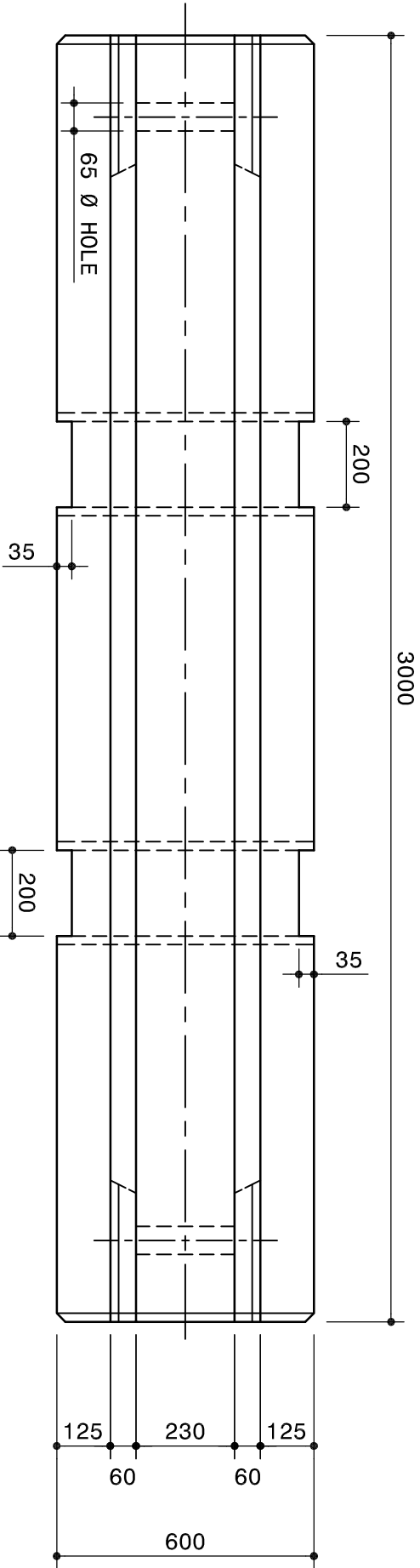
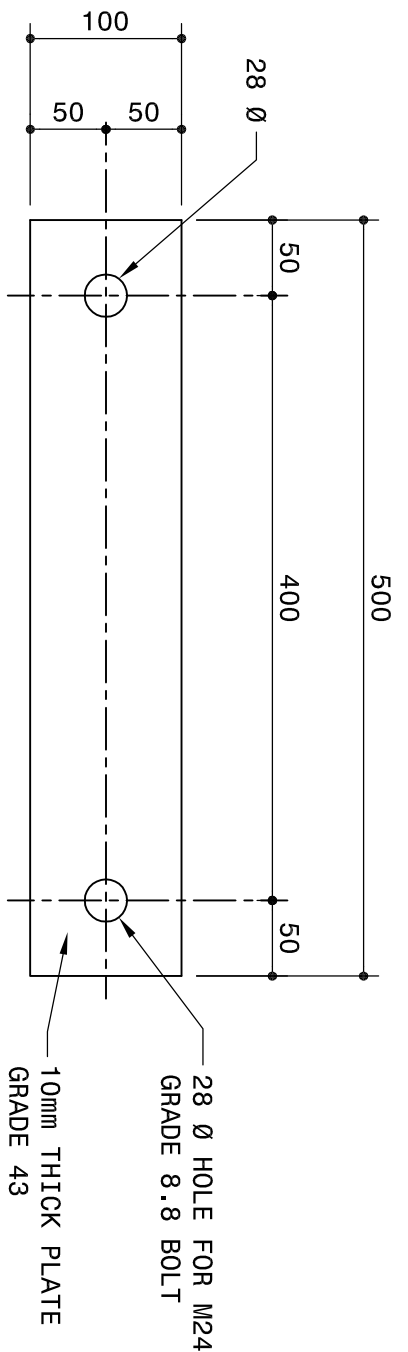




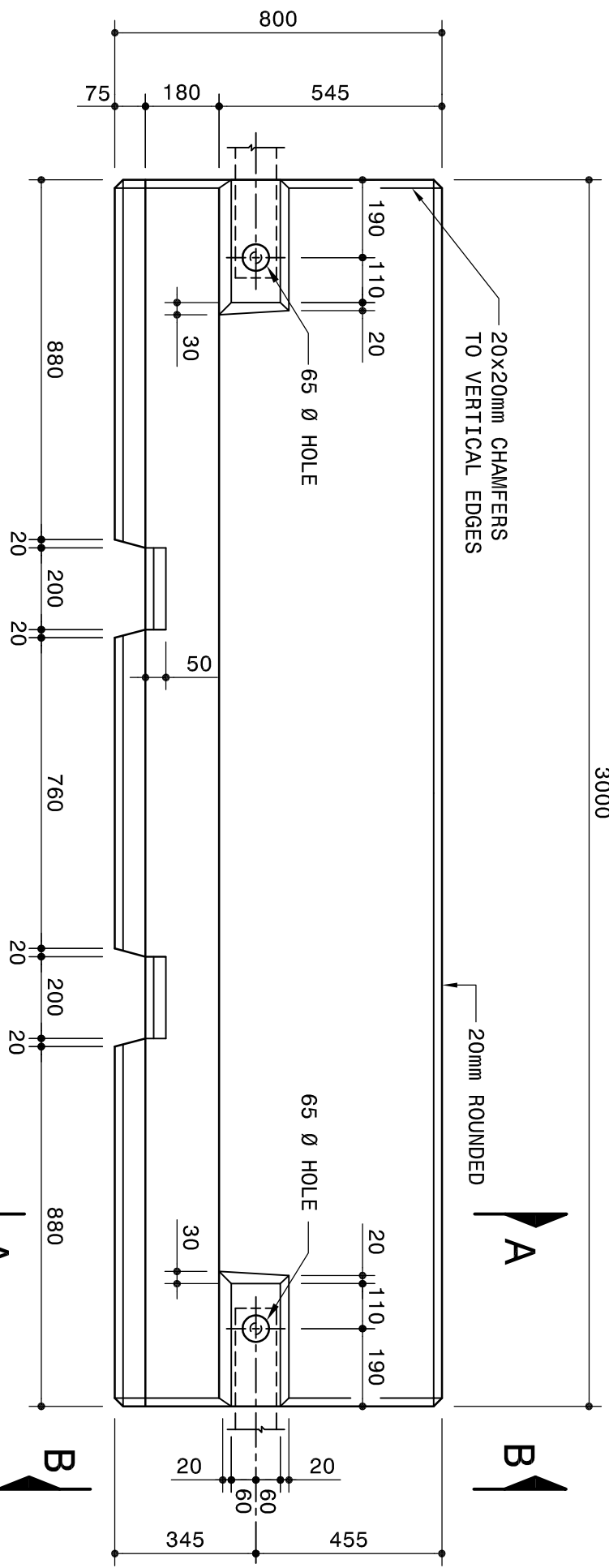
PLAN OF PRECAST BARRIER

SCALE 1:15



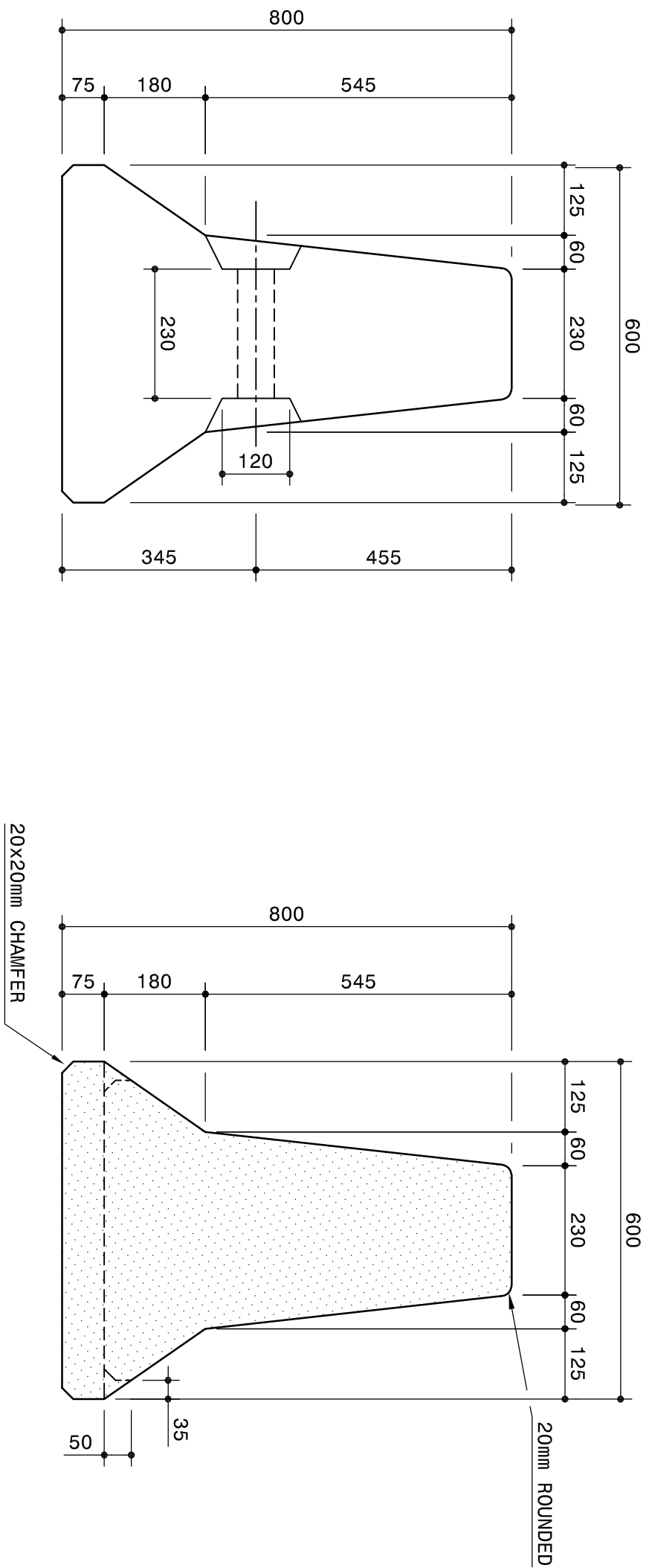
CONNECTION PLATE DETAIL

SCALE 1:5



ELEVATION OF PRECAST BARRIER

SCALE 1:15



ELEVATION B-B

SCALE 1:10

SECTION A-A

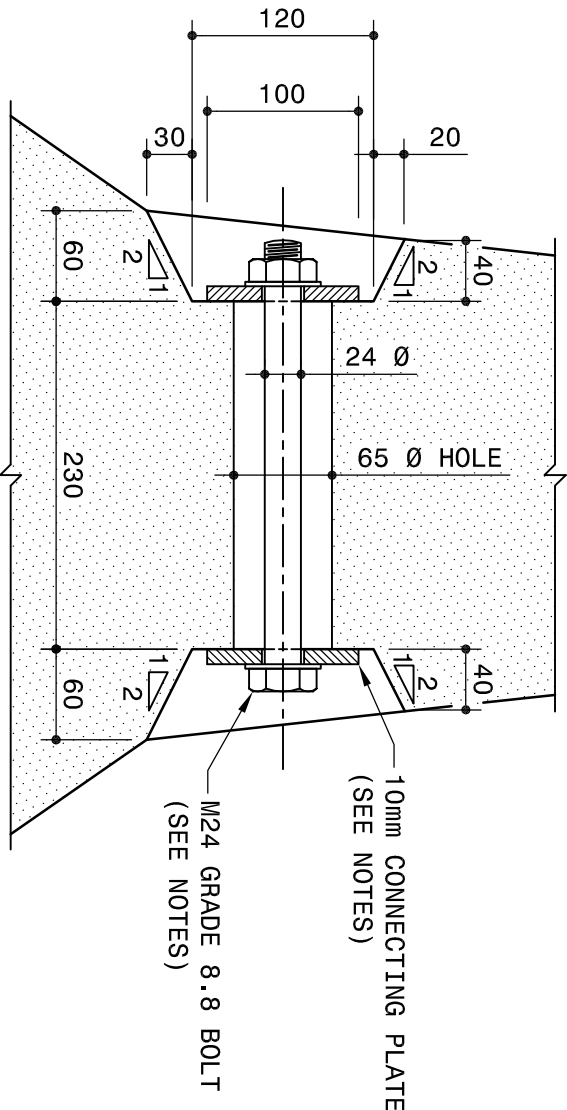
SCALE 1:10

NOTES

- GENERAL
 - THESE DETAILS ARE ONLY APPLICABLE TO TEMPORARY PLACING OF BARRIERS FOR TRAFFIC ACCOMMODATION AND SAFETY DURING CONSTRUCTION ACTIVITIES.
 - PORTABLE PRECAST CONCRETE BARRIERS SHALL ONLY BE USED FOR TRAFFIC ACCOMMODATION WITH CONNECTION PLATES INSTALLED AS DETAILED.
 - STRUCTURAL MILD STEEL SHALL COMPLY WITH THE REQUIREMENTS OF SANS 1431:2005 GRADE 300W.
 - M24 FIXING BOLTS AND NUTS SHALL BE GRADE 8.8 TO SANS 1700 SET:1996
 - CONNECTING PLATES & FIXING BOLTS (INCLUDING NUTS & WASHERS) SHALL BE HEAVY DUTY HOT-DIP GALVANIZED IN ACCORDANCE WITH SANS 121:2000 TO A ZINC COAT THICKNESS OF NOT LESS THAN 105 MICRONS.
 - NUTS TO BE FULLY WRENCH TIGHTENED AT EVERY PLACING.
 - LENGTH OF BOLTS TO BE SUCH THAT NOT MORE THAN 4 THREADS PROJECT WHEN NUTS HAVE BEEN TIGHTENED.
 - BOLT THREADS TO BE KEPT OILED DURING PLACINGS.
 - THE 65 Ø HOLE SHOULD NOT BE GROUTED UP.
- 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) : W30/19.
 - 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.
 - MINIMUM CONCRETE COVER TO REINFORCEMENT : 40mm.
 - SURFACE FINISHES:
 - CLASS F3 - STEEL SHUTTER FINISH.
 - CLASS U3 - STEEL TROWEL FINISH.

CONNECTION DETAILS

SCALE 1:5



No.	DATE	REVISION	APPROVED
V1	2005/09/01	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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DATE: 01/09/2005

TYPICAL DRAWINGS - STRUCTURES

F - SHAPE TEMPORARY BARRIERS

800mm HIGH PORTABLE - PRECAST

CONCRETE DETAILS

SANRAL DOC. No. (DPT)	164999-v1
SANRAL DOC. No. (DWG)	165000-v1
SANRAL DRAWING No.	TD-S-P-1001-V1

