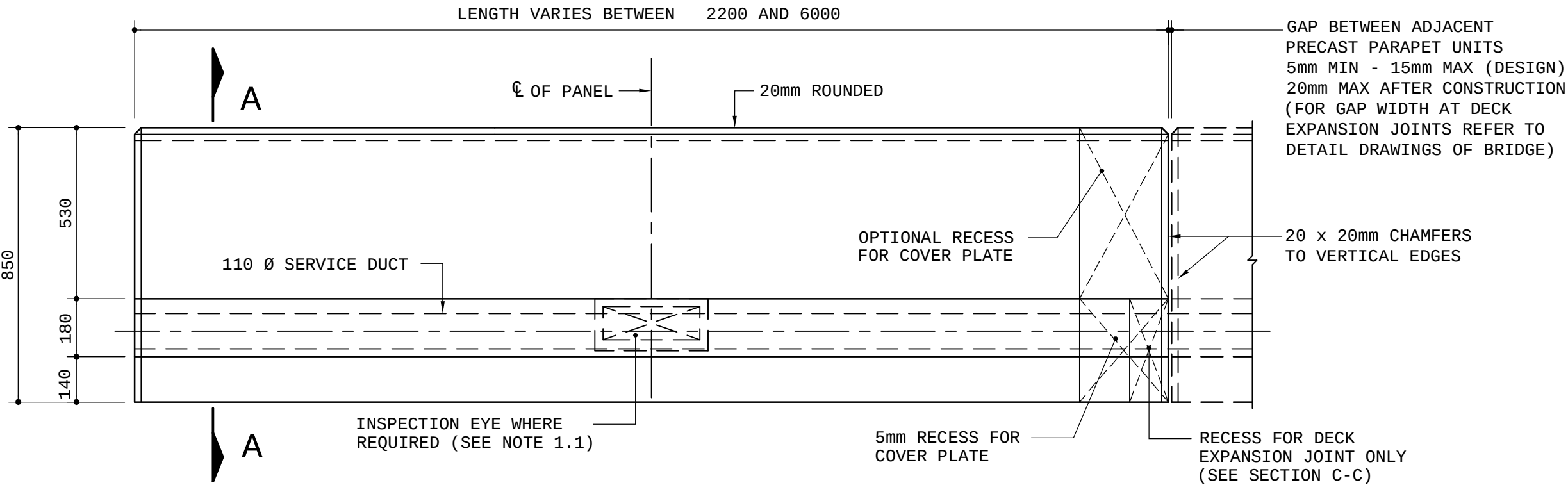


NOTES

1. GENERAL
- 1.1 INSPECTION EYES SHALL BE PROVIDED AT DISTANCES NOT EXCEEDING 50m.
- 1.2 THE RECESSES FOR EXPANSION JOINT CONSTRUCTION AND THE EXPANSION JOINT COVER PLATES ARE SUBJECT TO THE DETAILS OF THE EXPANSION JOINT SYSTEM FINALLY APPROVED. THE CONTRACTOR SHALL CONFIRM THE DIMENSIONS OF THE RECESSES WITH THE ENGINEER PRIOR TO THE CASTING OF THE BARRIER.
- 1.3 *T = 60mm MIN (20mm LEVELLING COURSE + 40mm ASPHALT)
OR 100mm MAX (20mm LEVELLING COURSE + 2x40mm ASPHALT)
2. 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:
- 2.2 SERVICE DUCTS : 110 Ø uPVC NORMAL DUTY (SDR 51) PIPES TO SANS 791:2004
- 2.1 CONCRETE CLASS (MPa/mm) : W30/19 UNLESS DURABILITY CONCRETE IS NOT REQUIRED (EXPOSURE CLASS XC1a)
- 2.4. SURFACE FINISHES : (EXPOSED FACES)
- CLASS F3 - STEEL SHUTTER FINISH
- CLASS U3 - STEEL TROWEL FINISH
- 2.5 ALL EXPOSED VERTICAL SHARP CORNERS SHALL BE CHAMFERED 20 x 20mm AND ROUNDED 20mm HORIZONTALLY EXCEPT WHERE OTHERWISE INDICATED ON DETAIL DRAWING.
- 2.6 THE DRAW WIRE PROVIDED IN THE SERVICE DUCTS SHALL BE IN ONE CONTINUOUS LENGTH, EXTENDING NOT LESS THAN 3m BEYOND THE END FACE OF THE ABUTMENT END BLOCKS. THE DRAW WIRE SHALL BE NON CORRODABLE NYLON ROPE OR PVC COATED STEEL WIRE OF NOT LESS THAN 5000N TENSILE STRENGTH.
- 2.7 CURING
PARAPETS ARE TO BE CURED BY EITHER METHOD (d), (e) OR (f) OF COLTO CLAUSE 6409, AS AGREED WITH ENGINEER.

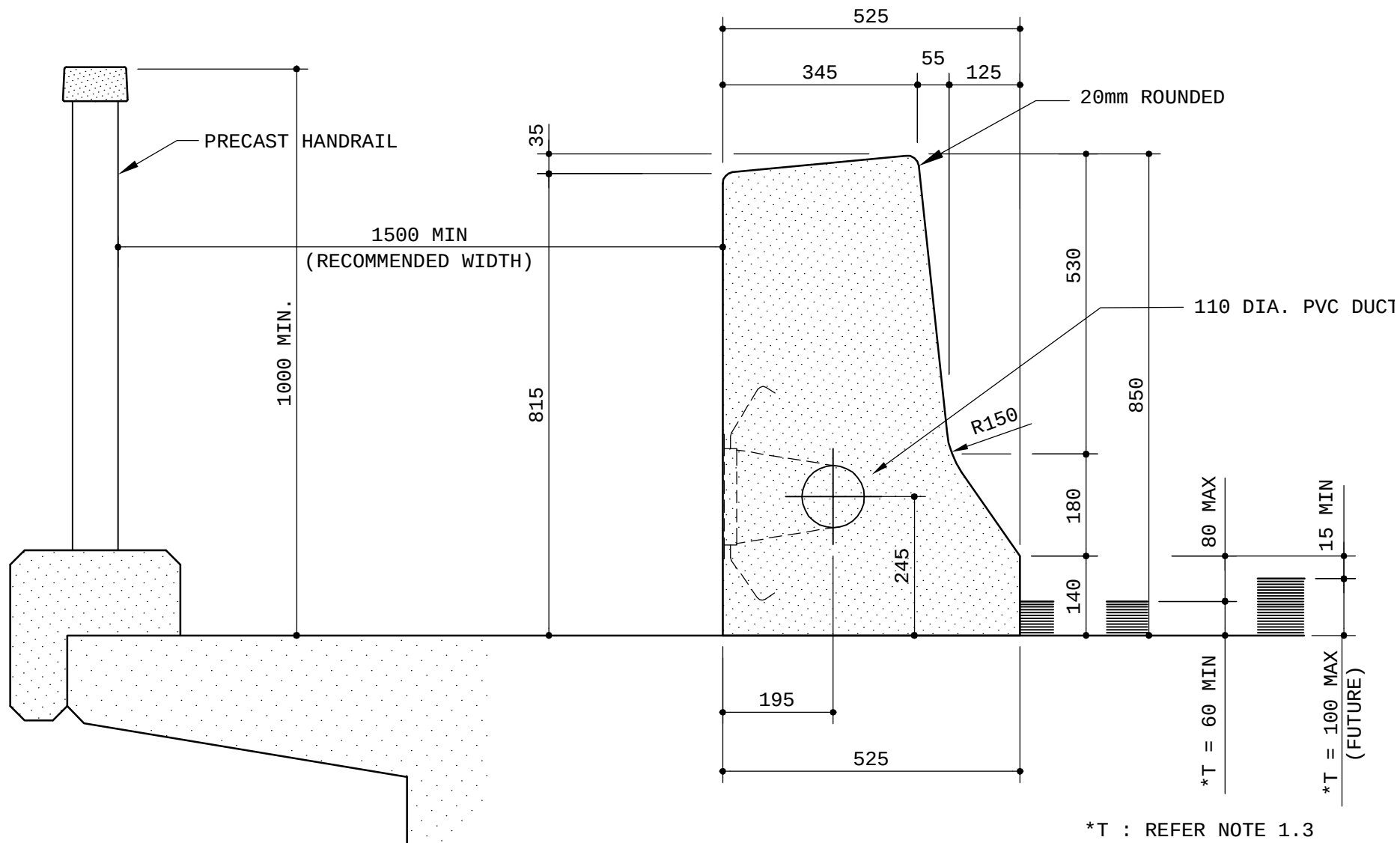
3. TOLERANCES
- 3.1 TOLERANCES APPLICABLE TO ERECTION OF UNITS:
- 3.1.1 DIMENSION FROM SETTING OUT LINE TO FRONT FACES :
10mm OUTWARDS, 0mm INWARDS
- 3.1.2 STEPS IN CONCRETE FRONT FACES AT ABUTTING UNITS : 3mm
- 3.1.3 DEVIATION FROM LINE AND LEVEL MEASURED OVER 5m : 5mm

4. REFERENCE DRAWINGS
- 4.1 FOR THE REINFORCEMENT DETAILS OF BARRIER REFER TO DWG. No. TD-S-P-4003-1
- 4.2 FOR DETAILS OF INSPECTION EYE AND COVER PLATES REFER TO DWG. No. TD-S-P-5001-1



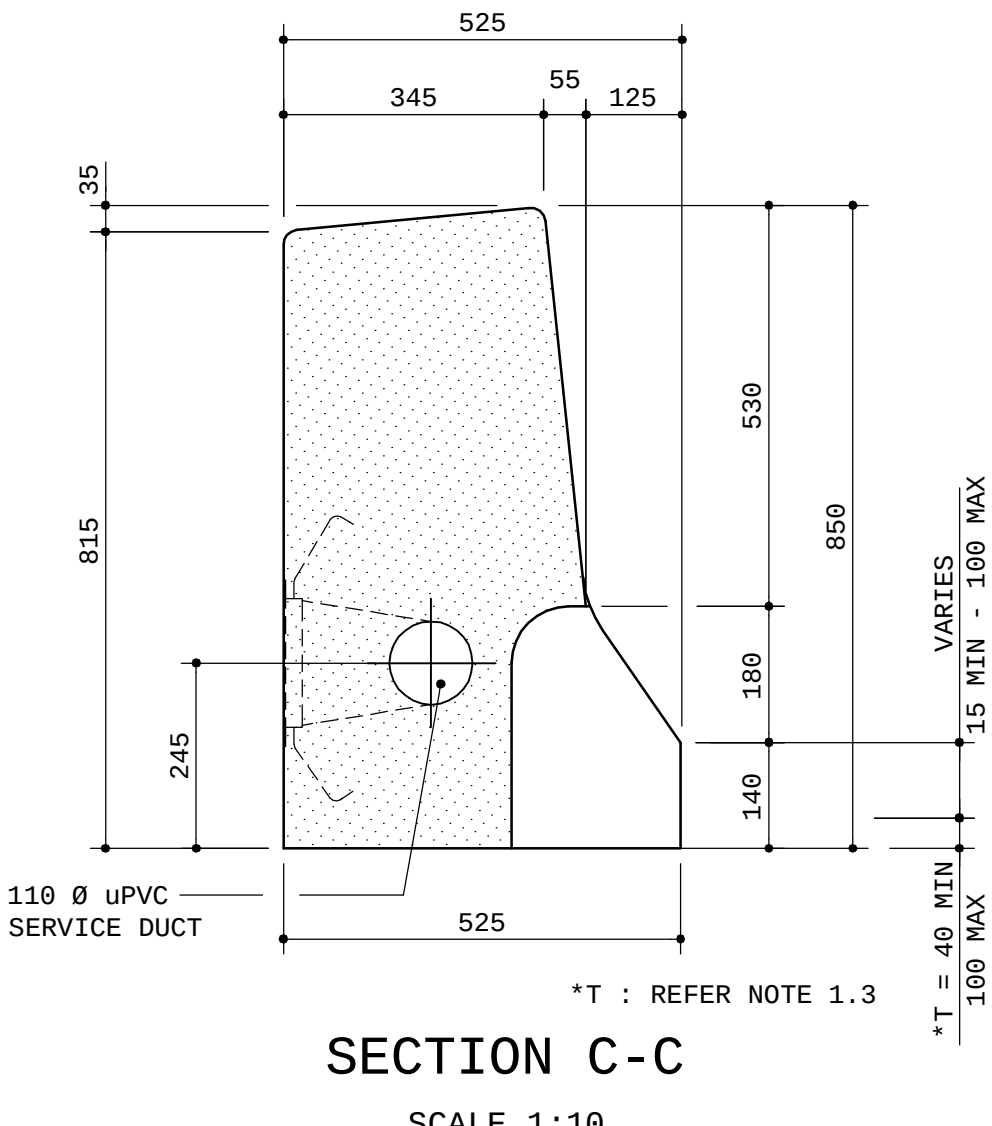
INSIDE ELEVATION OF BARRIER

SCALE 1:15



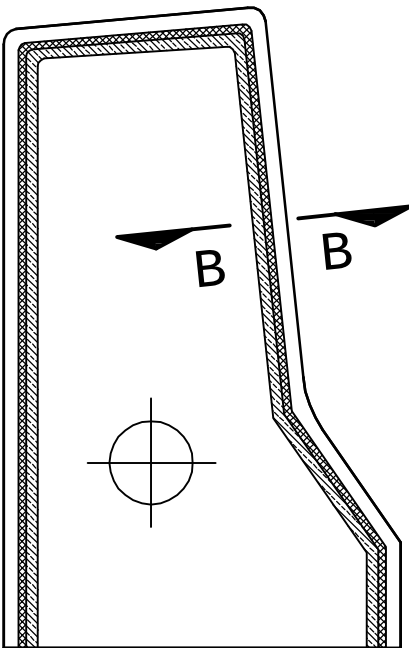
SECTION A-A

SCALE 1:10



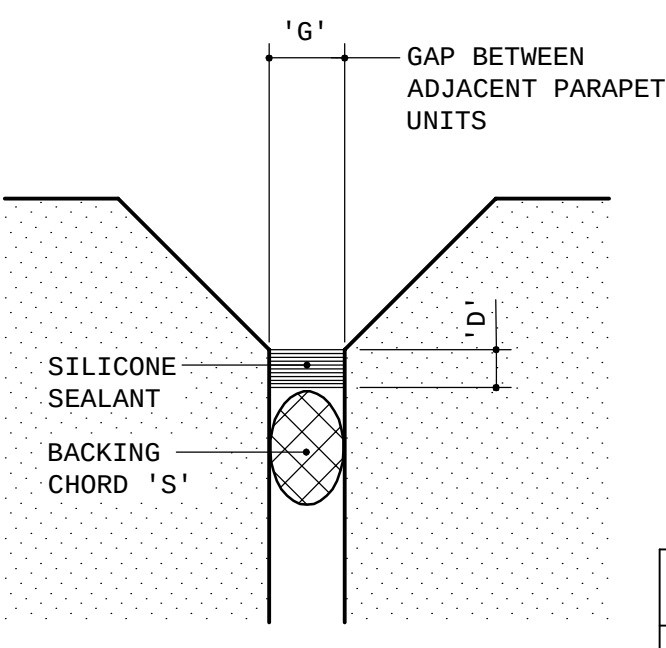
SECTION C-C

SCALE 1:10



JOINT DETAILS

SCALE 1:10



SECTION B-B

SCALE 1:1

JOINT DATA					
JOINT SIZE 'G'	5	8	10	15	20
DEPTH 'D'	5	6	8	10	12
CHORD 'S' Ø	6	10	15	20	25

SANRAL TYPICAL DRAWINGS

COPYRIGHT: THIS DRAWING IS PROTECTED IN TERMS OF THE COPYRIGHT ACT No. 98 OF 1978 AND MAY NOT BE REPRODUCED WITHOUT PERMISSION IN WRITING FROM SANRAL.
CONDITIONS FOR USE: CONSULTANTS APPOINTED BY SANRAL SHALL INCORPORATE THE TYPICAL DETAILS HEREON INTO THEIR SPECIFIC DESIGN FOR WHICH THEY WILL ASSUME FULL PROFESSIONAL RESPONSIBILITY. THIS TYPICAL DRAWING MAY NOT BE USED FOR TENDER PURPOSES.



HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184
PO Box 415
Pretoria 0001
South Africa
Tel: (012) 844 8000

DATE: 09/07/2012

TYPICAL DRAWINGS - STRUCTURES

F-SHAPE BARRIER
850mm HIGH BARRIER
CONCRETE DETAILS

SANRAL DOC. No. (PDF)
223281
SANRAL DOC. No. (DWG)
223282
SANRAL DRAWING No.
TD-S-P-4001-1-V2