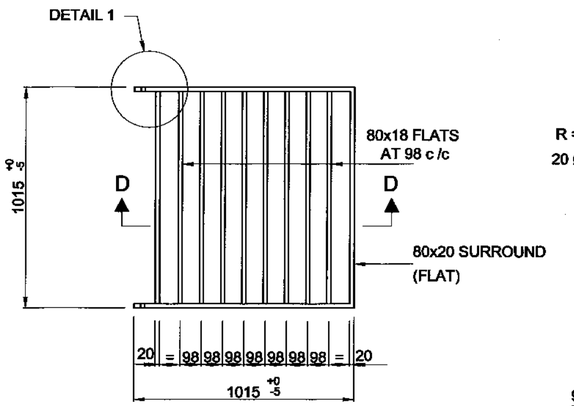
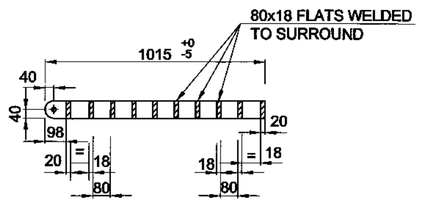
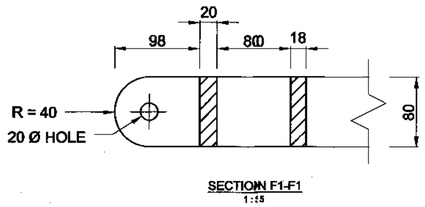


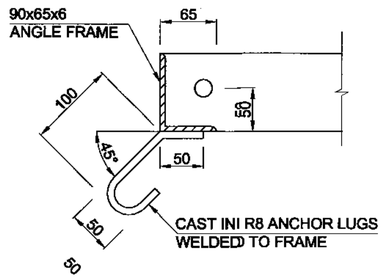
PLAN
GRID DETAIL
SCALE 1:20



SECTION D-D
SCALE 1:20

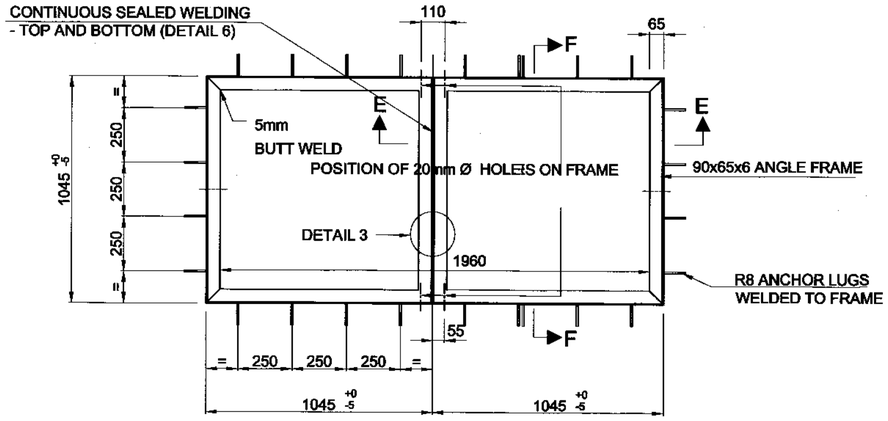


DETAIL 1
SCALE 1:5

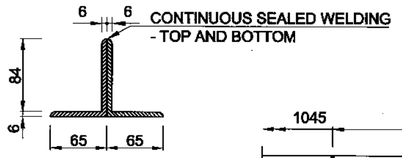


DETAIL 2
SCALE 1:5

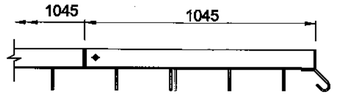
GRID AND FRAME - TYPE A
(USAGE:- INLETS FOR MEDIAN AND SIDE DRAINS)



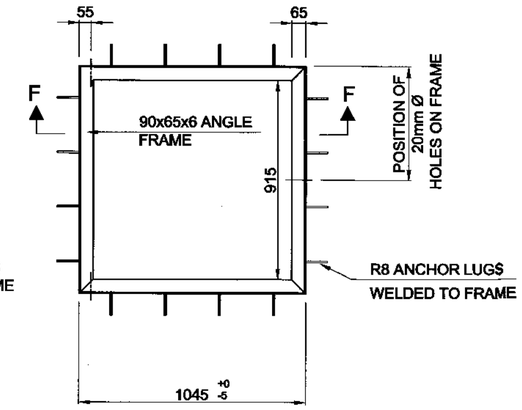
PLAN
FRAME DETAIL (DOUBLE)
SCALE 1:20



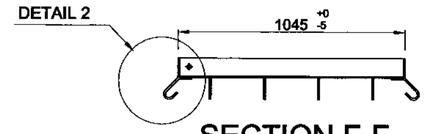
DETAIL 3
SCALE 1:5



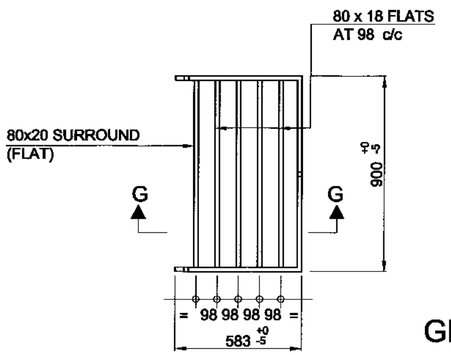
SECTION E-E
SCALE 1:20



PLAN
FRAME DETAIL (SINGLE)
SCALE 1:20

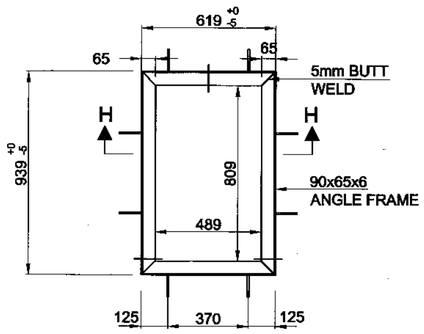


SECTION F-F
SCALE 1:20

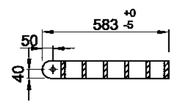


PLAN
GRID DETAIL
SCALE 1:20

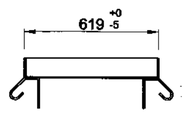
GRID AND FRAME - TYPE B
(USAGE:- INLETS AT NOSES AND SIDE DRAINS)



PLAN
FRAME DETAIL (SINGLE)
SCALE 1:20



SECTION G-G
SCALE 1:20



SECTION H-H
SCALE 1:20

NOTES
1. GRID AND FRAME TYPES A AND B TO BE MANUFACTURED FROM MILD STEEL GRADE: 350 IN COMPLIANCE WITH THE REQUIREMENTS OF BS 4360 PART 2.
2. THE MANUFACTURING, ASSEMBLY AND FIXING OF THE GRIDS AND FRAMES SHALL COMPLY WITH SANS 0162.
3. ALL WELDING SHALL BE FULL-JOINT PENETRATION CONTINUOUS BUTT-JOINTS (GRIDS AND FRAMES), CONTINUOUS FILLET WELDS (ANCHOR LUGS TO FRAME) CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF BS 5135.
4. STEEL MEMBERS SHALL BE HOT-DIP GALVANISED WITH AN 85µ COATING IN ACCORDANCE WITH SANS 763, ONLY AFTER ALL THE MEMBERS HAVE BEEN WELDED TOGETHER.
5. %%ULOADING GRID TYPES A AND B = 40 kN WHEEL LOAD.
6. %%UREFERENCE DRAWINGS THIS DRAWING FORMS PART OF AND MUST BE READ WITH TYPICAL DRAWINGS FOR INLETS No.s TD-D-MC-001 TO TD-D-MC-004 AND No.s TD-D-IS-001 TO TD-D-IS-006.

FOR LATEST VERSION CHECK www.nra.co.za

No.	DATE	REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED
DATE: 2015/06/26

TYPICAL DRAWINGS - DRAINAGE

WELDED STEEL GRIDS FOR MEDIANS, ETC
GRID AND FRAME DETAILS
SHEET 1 OF 2

SANRAL DOC. No. (PDF)	1693812
SANRAL DOC. No. (DWG)	1797642
SANRAL DRAWING No.	TD-D-SG-1001-V1