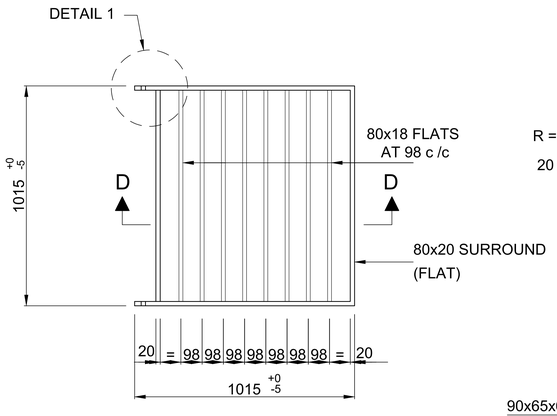
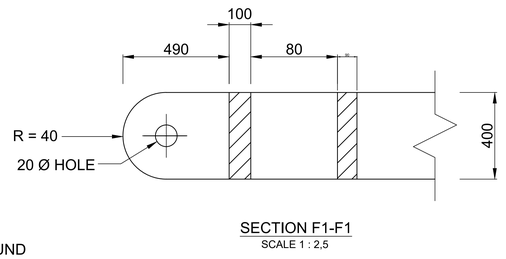
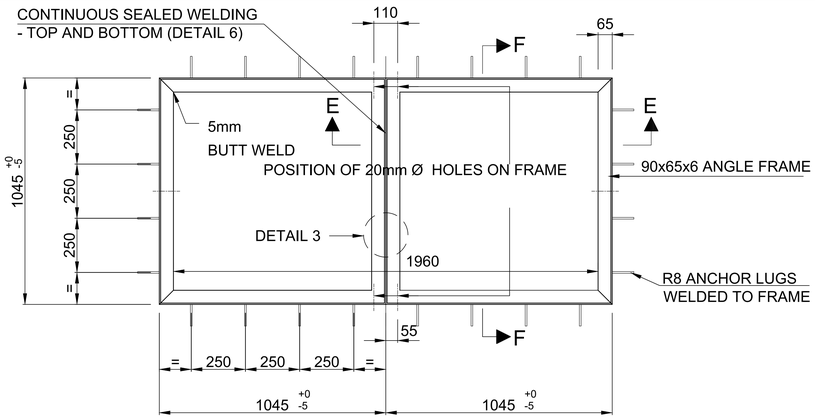


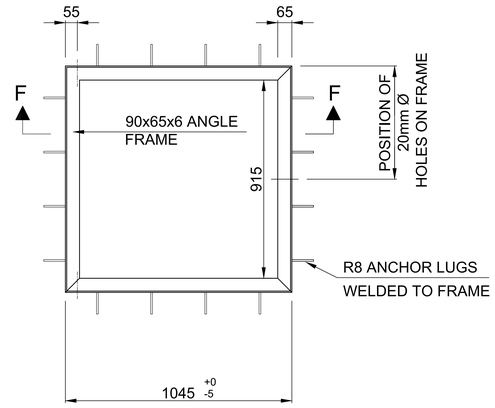
PLAN
GRID DETAIL
SCALE 1:10



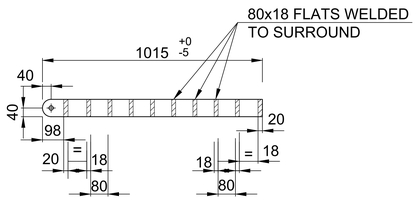
DETAIL 1
SCALE 1:2,5



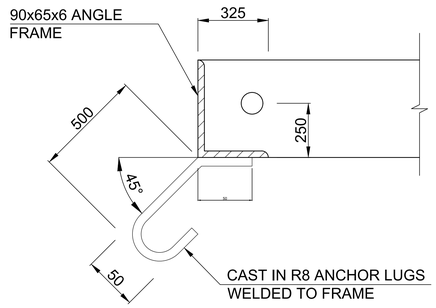
PLAN
FRAME DETAIL (DOUBLE)
SCALE 1:10



PLAN
FRAME DETAIL (SINGLE)
SCALE 1:10



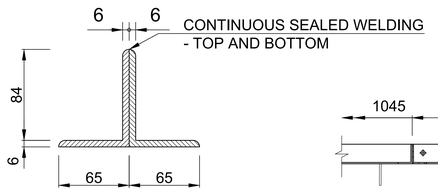
SECTION D-D
SCALE 1:10



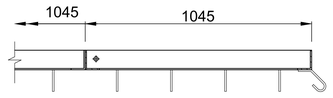
DETAIL 2
SCALE 1:2,5

GRID AND FRAME - TYPE A

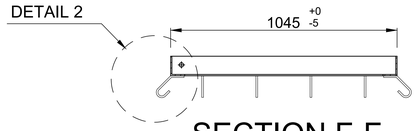
(USAGE:- INLETS FOR MEDIAN AND SIDE DRAINS)



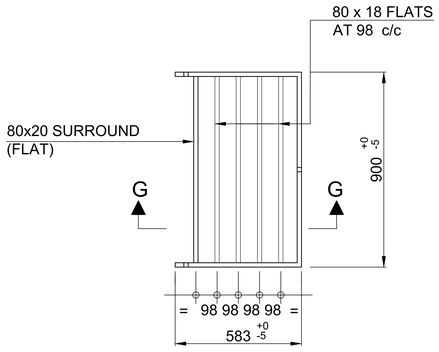
DETAIL 3
SCALE 1:2,5



SECTION E-E
SCALE 1:10



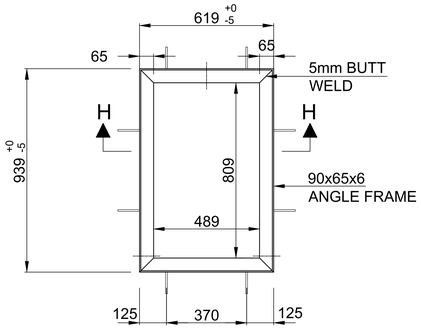
SECTION F-F
SCALE 1:10



PLAN
GRID DETAIL
SCALE 1:10

GRID AND FRAME - TYPE B

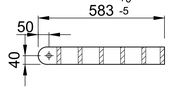
(USAGE:- INLETS AT NOSES AND SIDE DRAINS)



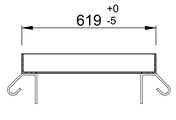
PLAN
FRAME DETAIL (SINGLE)
SCALE 1:10

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. LOADING GRID TYPES A AND B = 40 kN WHEEL LOAD.
6. REFERENCE DRAWINGS THIS DRAWING FORMS PART OF AND MUST BE READ WITH TYPICAL DRAWINGS FOR INLETS No.s TD-D-MC-1001 TO TD-D-MC-1004 AND No.s TD-D-IS-1001 TO TD-D-IS-1006.



SECTION G-G
SCALE 1:10



SECTION H-H
SCALE 1:10

No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

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SANRAL
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BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
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Oakdale
Bellville
7530

Private Bag X19
Bellville
7535

Tel: (021) 957 4600

ACCEPTANCE
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

for the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

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

SCALE @ A0: AS SHOWN | SHEET 1 OF 2

PROJECT NUMBER	N001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE	18.900	33.000
DRAWING TYPE	DRAINAGE - WELDED STEEL GRIDS	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-TD60	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-TD60