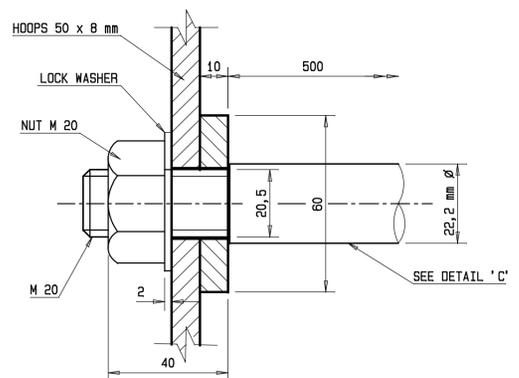
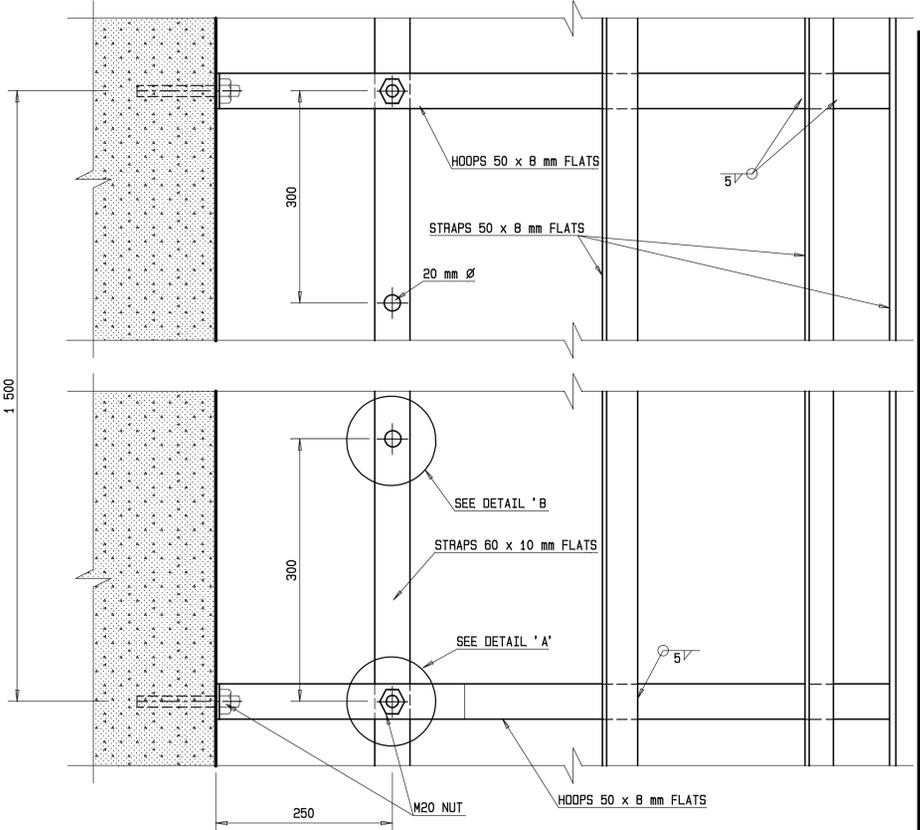


FRONT VIEW
SCALE 1:5

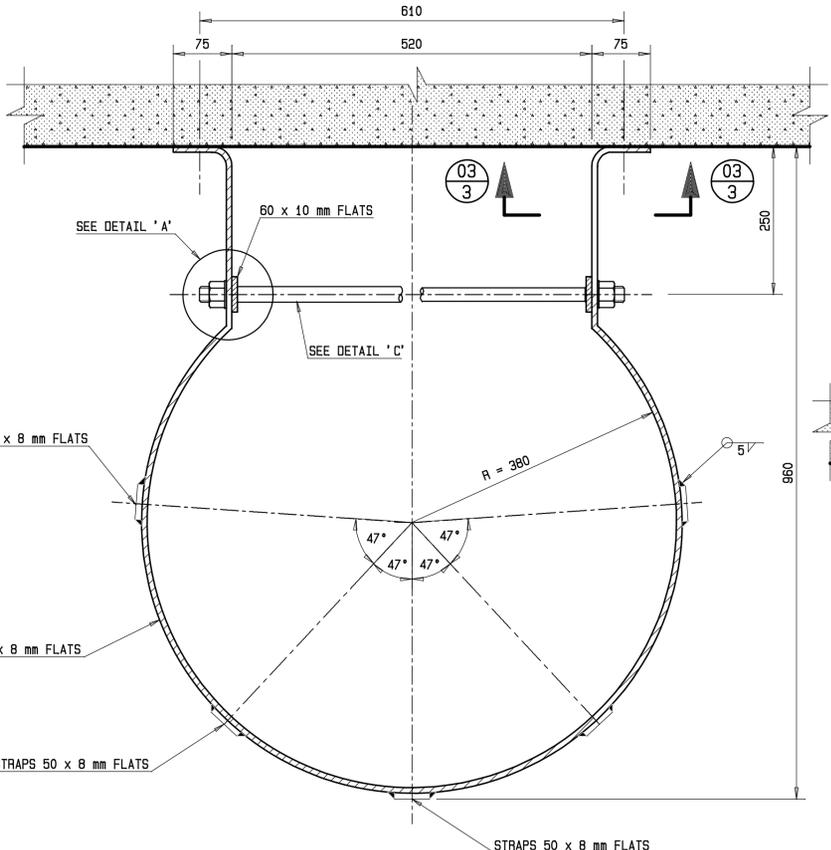


DETAIL 'A'
SCALE 1:1

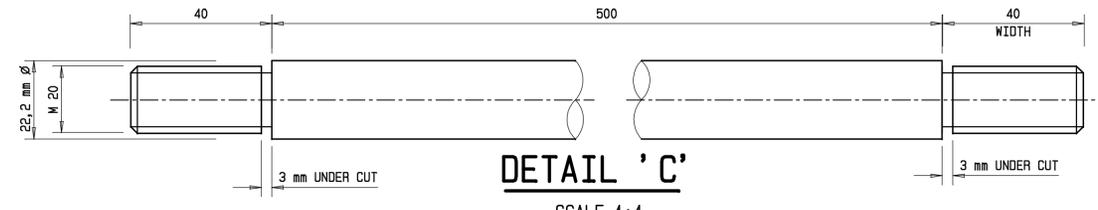


SIDE VIEW
SCALE 1:5

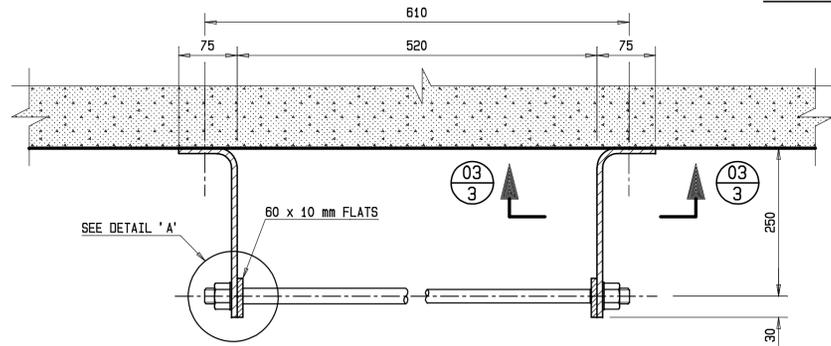
SECTION 03-03
SCALE 1:1



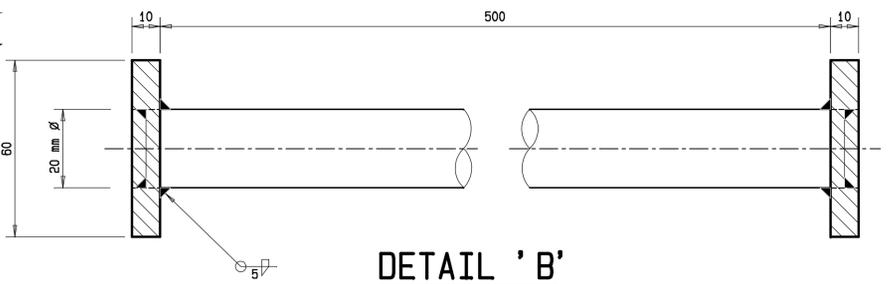
SECTION 02-02
SCALE 1:5



DETAIL 'C'
SCALE 1:1



LADDER WITHOUT SAFETY HOOP
SCALE 1:5



DETAIL 'B'
SCALE 1:1

NOTES:

- FOR LADDER SCHEDULE SEE DRAWING REG. NO. 125 770/95.
- LADDERS LONGER THAN 5 m SHALL BE FITTED WITH HOOPS.
- FOR LADDERS WITH LENGTHS BETWEEN 5,6 m AND 8,7 m SHORTEN TOP AND BASE SECTION BY 1,5 m.
- FOR ALL LADDERS LONGER THAN 6 m AN INTERMEDIATE PLATFORM IS REQUIRED AT MAXIMUM SPACING 6 m.
- ALL LADDER DETAILS SHALL CONFORM TO SABS O162. THE MANUFACTURER WILL BE REQUIRED TO DESIGN THE WALL SUPPORTS.
- BRACKETS FOR TYPE 'A' LADDER TO BE DESIGNED SO THAT IT WILL BE RIGID AFTER TIGHTENING OF TIE BAR.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. REG. NO'S. 125 769/97 AND 125 770/97.
- ALL ITEMS TO BE HOT DIP GALVANISED TO 90 MICRON EQUIVALENT THICKNESS IN ACCORDANCE WITH SABS SPEC. NO. 1461.
- ALL WELDING AND GALVANISING TO BE DONE IN WORKSHOP. ASSEMBLY OF ITEMS ON SITE ONLY. SCREWING IN OF NUTS ON RUNGS TO BE CHECKED IN THE WORKSHOP AFTER GALVANISING. WELDS SHALL BE CONTINUOUS - SEAL.
- MILD STEEL SHALL BE GRADE 300 M.
- ALL ANCHORS IN CONCRETE SHALL BE STAINLESS STEEL TO ASTM A240 GRADE 316.

SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT ANCHORS BE INSTALL TO THE CORRECT LEVEL AND DEPTH. ANCHORS SHALL NOT BE CUT AFTER INSTALLATION WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER.

TO AVOID A GALVANIC REACTION (STAINLESS STEEL/GALVANISING) UNDER WET CONDITIONS, THE NUT AND WASHER SHALL BE FBE COATED, WHERE NECESSARY CAPS SHALL BE SPECIFIED BY THE CORROSION ENGINEER.

12. FASTENERS, WASHERS AND ANCHORS IN CONCRETE TO BE AS THE TABLE BELOW:

ELEMENT	MATERIAL	PROTECTION	MINIMUM DFT (µm)
FASTENERS WASHERS	MILD STEEL	HOT-DIP GALVANISED - PLUS THREADS COATED WITH MOLYBDENUM DISULPHIDE LUBRICANT OR WAX	45
	STAINLESS STEEL 304	THREADS COATED WITH MOLYBDENUM DISULPHIDE LUBRICANT OR NICKEL ANTI-SEIZE COMPOUND	UNIFORM COVER
ANCHORS IN CONCRETE SEE NOTE 11	SS 316	THREADS COATED WITH MOLYBDENUM DISULPHIDE LUBRICANT OR NICKEL ANTI-SEIZE COMPOUND	UNIFORM COVER

SECTION

07
3

SECTION NUMBER
SHEET NUMBER

THIS DRAWING SUPERSEDES
DRG. REG. NO'S. 69 031/78 AND 69 032/87

SHEET	DESCRIPTION	OTHER No.	REG. No.
1/3	TYPE DRAWING: DETAIL OF GALVANISED MILD STEEL LADDER		125 769/97
2/3	TYPE DRAWING: DETAIL OF GALVANISED MILD STEEL LADDER		125 770/97

LIST OF DRAWINGS

REVISION			
MOD No.	DATE	DESCRIPTION	FOR DKA
1.	01/00	DRAWING REDRAWN	C.S.

DEPARTMENT OF WATER AFFAIRS
REPUBLIC OF SOUTH AFRICA

HEAD OFFICE
CIVIL ENGINEERING
PRIVATE BAG X313
PRETORIA 0001

SEDIBENG BUILDING
185 SCHOEMAN STREET
PRETORIA
(012) 336-7500

P. YAKO
DIRECTOR GENERAL

DESIGN: J.C. SWANEPOEL
CHECKED: J.C. SWANEPOEL DATE: DRAWN: J.C. SWANEPOEL/CADDIE

ENGINEER: DATE: EXTERNAL APPROVAL: DATE:

CHIEF ENGINEER / APP (Pr. Eng): DATE: DIRECTOR (Pr. Eng): DATE:

TYPE
TYPE DRAWING
DETAIL OF GALVANIZED MILD STEEL LADDER

PROVINCE: DISTRICT: KEYCODES: TYP: SFY: LDR: DET: - OTHER NUMBER

LOCALITY No. 1: - TENDER/ CONTRACT No. SHEET REG. No. REV.

CALCULATION FILE: - 3 OF 3 125 771/97 00

