

## NOTES:

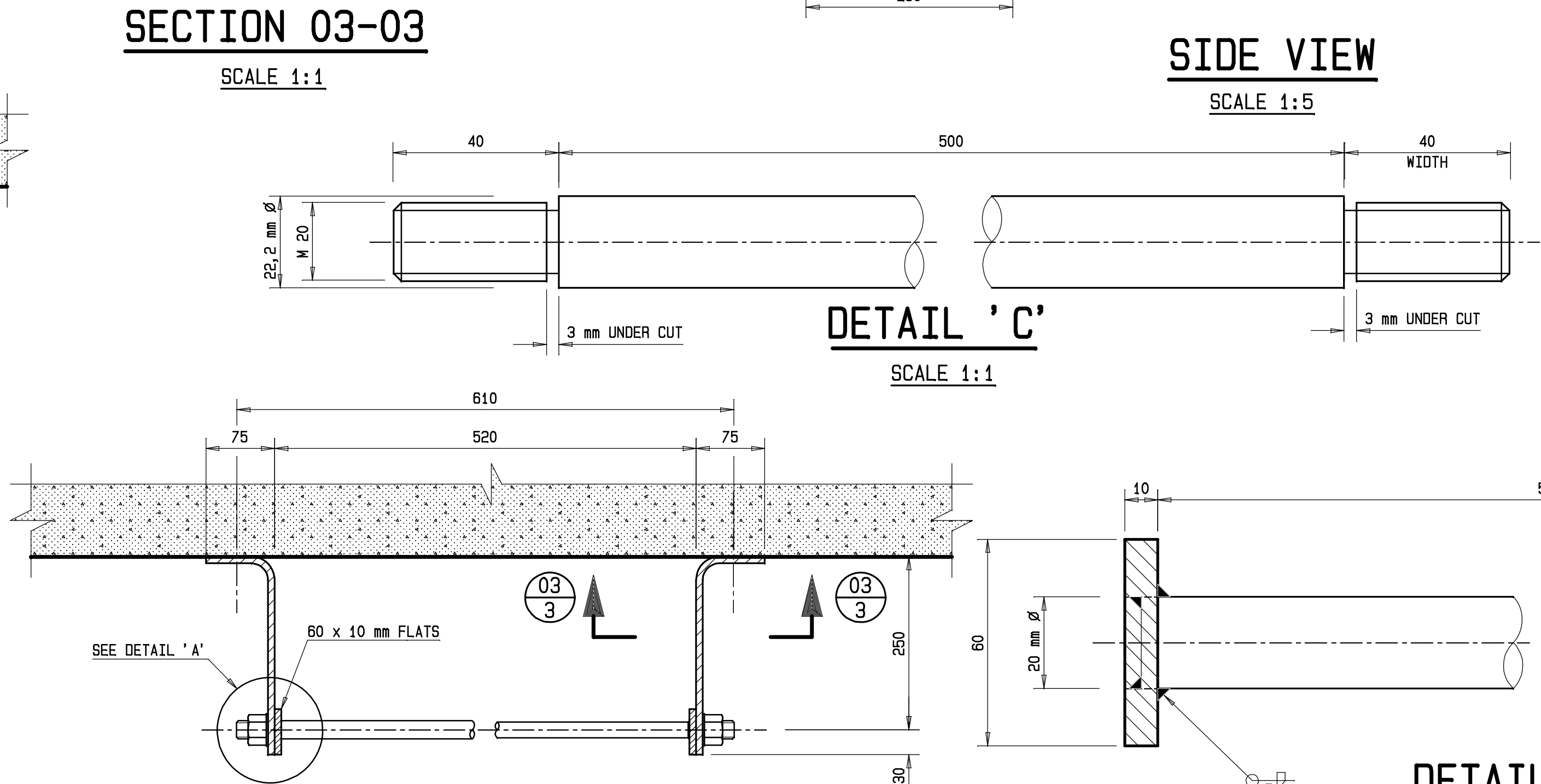
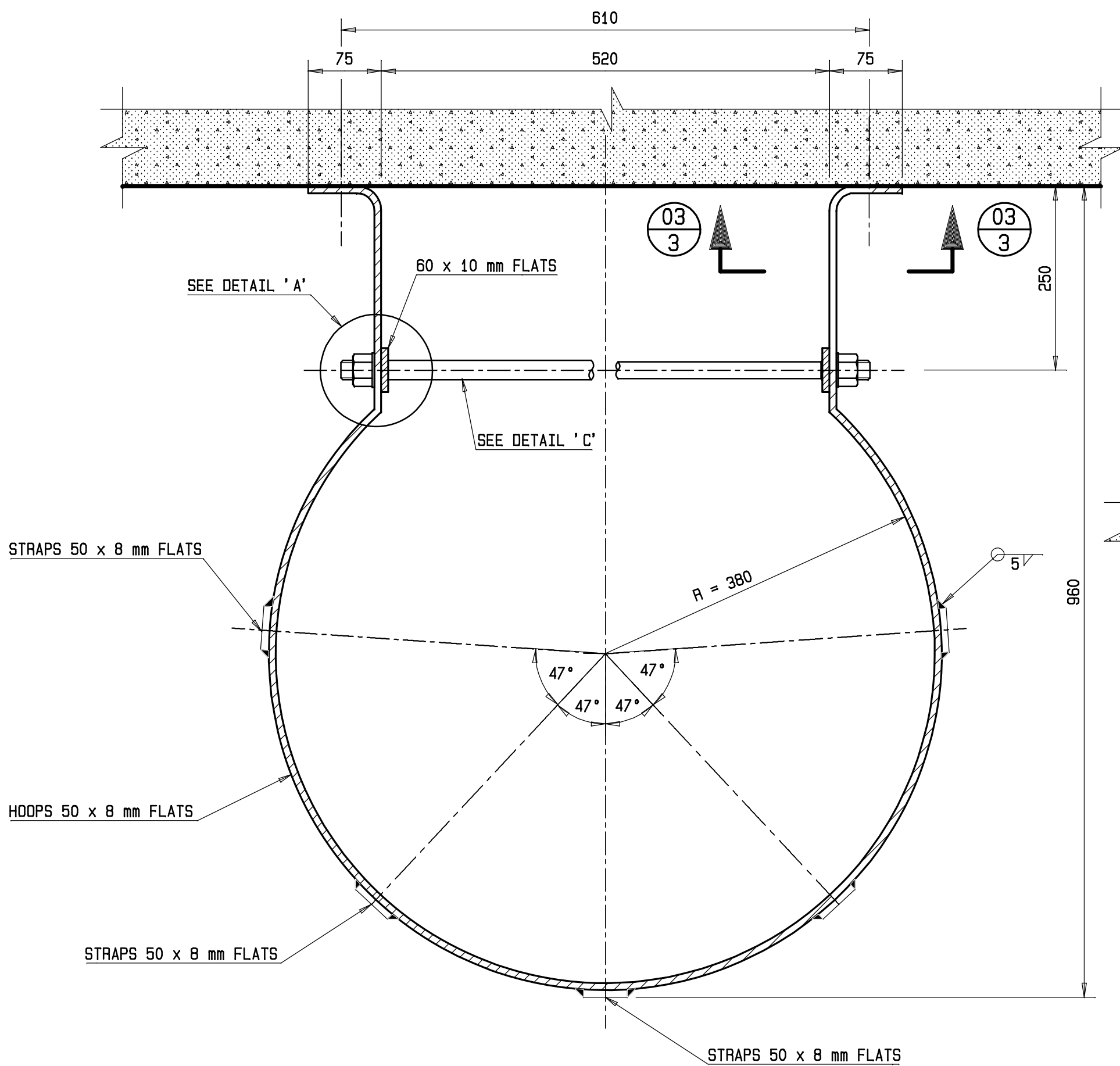
1. FOR LADDER SCHEDULE SEE DRAWING REG. NO. 125 770/95.
2. LADDERS LONGER THAN 5 m SHALL BE FITTED WITH HOOPS.
3. FOR LADDERS WITH LENGTHS BETWEEN 5,6 m AND 8,7 m SHORTEN TOP AND BASE SECTION BY 1,5 m.
4. FOR ALL LADDERS LONGER THAN 6 m AN INTERMEDIATE PLATFORM IS REQUIRED AT MAXIMUM SPACING 6 m.
5. ALL LADDER DETAILS SHALL CONFORM TO SABS 0162. THE MANUFACTURER WILL BE REQUIRED TO DESIGN THE WALL SUPPORTS.
6. BRACKETS FOR TYPE 'A' LADDER TO BE DESIGNED SO THAT IT WILL BE RIGID AFTER TIGHTENING OF TIE BAR.
7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. REG. NO'S. 125 769/97 AND 125 770/97.
8. ALL ITEMS TO BE HOT DIP GALVANISED TO 90 MICRON EQUIVALENT THICKNESS IN ACCORDANCE WITH SABS SPEC. NO. 1461.
9. 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.
10. MILD STEEL SHALL BE GRADE 300 M.
11. 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 (um)
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



## LADDER WITHOUT SAFETY HOOP

SCALE 1:5

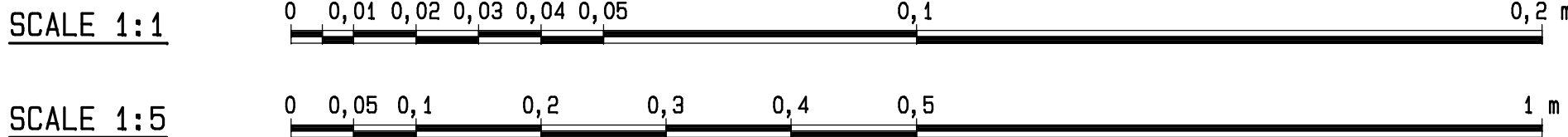
THIS DRAWING SUPERSEDES  
DRG. REG. NO'S. 69 031/78 AND 69 032/87

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
SHEET	DESCRIPTION	OTHER No. REG. No.
LIST OF DRAWINGS		

TYPE

## TYPE DRAWING

DETAIL OF GALVINIZED MILD STEEL LADDER



REVISION			
MOD No.	DATE	DESCRIPTION	FOR DWA
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:

PROVINCE:	DISTRICT:	KEYCODES: TYP : SFY : LDR : DET : -	OTHER NUMBER
LOCALITY No. : -	TENDER/ CONTRACT No.	SHEET REG. No.	REV.
CALCULATION FILE: -		3 OF 3	125 771/97 00