

NOTES:


1. THE POSTS AND STAYS SHALL BE DESIGNED AND MANUFACTURED BY THE TENDERER.

2. 3 m HIGH MESH TO BE SECURIFOR 358 DOUBLESKIN OR EQUAL. MESH TO BE EFFECTIVELY CORROSION PROTECTED USING A ZINC-ALU COATING.

2. STRAINING WIRES, BARBED WIRES, TIE WIRES AND ALL THE OTHER MILD STEEL PARTS MUST BE EFFECTIVELY PROTECTED FROM CORROSION BY A ZINC-COATING (CLASS A OR B), BY HOT-DIP GALVANIZING. FOR INLAND AREAS A CLASS 'B' COATING MUST BE SPECIFIED BUT FOR COASTAL AREAS (OR INDUSTRIAL AREAS WHERE THE LEVEL OF POLLUTION IS HIGH) A CLASS 'A' COATING IS RECOMMENDED, OR OTHERWISE A CLASS 'B' COATING PROTECTED BY AN APPROVED PLASTIC COATING. WHERE THE ZINC-COATING HAS BEEN DAMAGED IN HANDLING SUCH DAMAGE MUST BE MADE GOOD BY MEANS OF COLD GALVANIZING.

MATERIAL LIST				
ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION	
1	<u>POST AND STAYS FOR 3 m HIGH FENCE</u> GATE POST: SQUARE STEEL TUBING (GRADE 350W OR SIMILAR). 152 x 152 x 10 mm x 3 800 mm LONG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A). THE POST SHALL BE CAPPED AS SHOWN AND GROUT-FILLED IN IT'S ERECTED POSITION. THIS WILL PREVENT WATER ACCUMULATING IN THE SECTION.	8	STAPLES: 8 mm DIA. 150 mm LONG. HOT-DIP GALVANIZED. PRESSED INTO THE WET KERB-CONCRETE.	
		9	BOLTS AND NUTS: STAINLESS STEEL OR MILD STEEL GALVANIZED TO SANS 135/6 SPECIFICATIONS.	
		10	EYE BOLTS: 10 mm DIA. (MILD STEEL) THAT MAY BE WELDED TO POSTS BEFORE POST GALVANIZING. NB: NO DRILLING, CUTTING OR WELDING SHALL BE CARRIED OUT ON MILD STEEL PARTS AFTER GALVANIZING. ALL MILD STEEL PARTS MUST BE CORRECTLY CUT, DRILLED AND WELDED BEFORE GALVANIZING.	
2	INTER-STRAINING-POST, CORNER-POST AND END-POST: MILD STEEL ANGLE. 120 x 120 x 15 mm x 3 800 mm LONG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A).	11	THE CONCRETE-FILLET OF THE KERBING IS OPTIONAL IF SPECIFIED.	
3	INTER-POST: MILD STEEL ANGLE 70 x 70 x 10 mm x 3 800 mm LONG, HOT-DIP GALVANIZED (CLASS A).		12	3 m LONG LOCKING BAR, 70 x 5 mm FLAT BAR.
4	POST-STAYS: MILD STEEL ANGLE 70 x 70 x 10 mm x 3 800 mm LONG, COMPLETE WITH THE NECESSARY FITTINGS. HOT-DIP GALVANIZED (CLASS A).		13	50 x 50 x 5 mm EQUAL LEG ANGLE IRON TOP RAIL.
5	STRAINING WIRE: HIGH TENSILE WIRE, GAUGE NO. 8 MIN. HOT-DIP GALVANIZED (CLASS A). THE WIRE TO BE FREE FROM IMPERFECTIONS AND MUST COMPLY WITH SANS 675. BOTTOM STRAINING-WIRE OF FENCE TO BE THREADED THROUGH THE EYES OF THE STAPLES IN THE KERB CONCRETE.	14	<u>MESH FOR FENCE</u>	
6	TIE-WIRE: (STRAINING-WIRE TO INTER-POST) 3,0 mm DIA. HOT-DIP GALVANIZED (CLASS A).		DOUBLE SKIN WIRE MESH - 3,05 m x 3 m HIGH PANEL (PROTECTION - ZINC ALU SUPER) (SANS 10244-2:2004)	
7	TIE-WIRE: (WELDED MESH TO STRAINING WIRE) 1,60 mm DIA. HOT-DIP GALVANIZED (CLASS A). (TIE-WIRES TO COMPLY WITH SANS 675).	15	2,5 mm THICK HOT-DIPPED GALVANISED SAW-TOOTH SPIKE TOPPING.	

3/4	3 m FENCE: DETAILS		167 768/13
2/4	3 m FENCE: HINGED GATE		167 767/13
1/4	3 m FENCE FOR IMPORTANT WORKS		167 766/13
SHEET	DESCRIPTION	OTHER NO.	REG. No.
LIST OF DRAWINGS			

REVISION				DEPARTMENT OF WATER AFFAIRS REPUBLIC OF SOUTH AFRICA		TYPE						
MOD NO.	DATE	DESCRIPTION	FOR	DWA	HEAD OFFICE CIVIL ENGINEERING PRIVATE BAG X313 PRETORIA 0001	 M. SIRENYA DIRECTOR GENERAL	DESIGN: J.C. SWANEPOEL	TYPE DRAWING: MATERIAL LIST: 3 m HIGH FENCE FOR IMPORTANT WORK				
		CHECKED:	DATE:	DRAWN: J.C. SWANEPOEL								
		ENGINEER:	DATE:	EXTERNAL APPROVAL:	DATE:							
CHIEF ENGINEER / APP (Pr. Eng):					DATE:	DIRECTOR (Pr. Eng):	DATE:	PROVINCE:	DISTRICT:	KEYCODES: TYP : FDG : SER : - : -	OTHER NUMBER	REV.
								LOCALITY No.: ZZZZ-03	TENDER/ CONTRACT No.: -	SHEET 4 OF 4	REG. No. 167 769/13	00
								CALCULATION FILE: ZZZZ-03				