


- NOTES:**
- 1 ALL WELDING AND WELDING SYMBOLS SHALL CONFORM TO SANS 10044 PART 1 TO 5.
 - 2 ALL STRUCTURAL USE OF STEEL TO CONFORM TO SANS 10162.
 - 3 GRADE OF STEEL TO BE SANS 1431 GRADE 350WA.
 - 4 ALL WELDS TO BE SEALED WELDED.
 - 5 STEELWORK TO BE HOT DIP GALVANISED TO SANS 121.
 - 6 STEELWORK TO BE CHECKED AND STRAIGHTENED AFTER GALVANISING.
 - 7 ALL MARKINGS TO BE STAMPED ON TO STEELWORK AND SHALL BE CLEARLY LEGIBLE AFTER GALVANISING.
 - 8 NO STEEL EXTENSIONS WILL BE ALLOWED ON ANY STEELWORK.
 - 9 NO SECTIONS TO BE BUTT WELDED.
 - 10 ALL STEELWORK TO BE FABRICATED, ERECTED AND LEVELLED TO A TOLERANCE OF + - 1.5mm.
 - 11 DRILL Ø6 BREATHING HOLES INTO ALL SEAL WELDED TUBES FOR GALVANISING.
 - 12 POST FOOT PLATE TO BE TAG WELDED ONLY.
 - 13 ALL HOLES TO BE Ø18 UNLESS OTHERWISE STATED.
 - 14 TUBULAR GATE POST MAY BE USED WITH 1m, 1.5m, 2m AND 2.5m GATES.
 - 15 THE HINGE SHOWN ON DETAIL 'F' MAY BE USED WITH 1m AND 1.5m GATES.

ITEM	QTY	SCHEDULE OF MATERIAL	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	TOTAL MASS (kg)
1	4m / 5m GATE POSTS				
PF2-1	1	MILD STEEL TUBING Ø100 NB - MED CLASS	2984	2.98	31.65
PF2-2	1	MILD STEEL PLATE 150 x 6	150	0.15	1.06
PF2-3	4	MILD STEEL TUBING Ø20 NB - MED CLASS	134	0.27	0.36
PF2-4	4	MILD STEEL PLATE 90 x 5	134	0.27	0.94
PF2-5	4	MILD STEEL FLAT BAR 40 x 6	40	0.08	0.15
PF2-6	2	MILD STEEL FLAT BAR 40 x 6	90	0.09	0.17
1	1m / 1.5m GATE POST				
PF2-7	1	IPE 100 x 55 x 6,7kg/m	2990	2.99	19.78
PF2-8	1	MILD STEEL PLATE 120 x 6	70	0.07	0.40
1	5m / 4m / 1.5m / 1m PALISADE GATE				
PF2-9	1	MILD STEEL SQ TUBE 50 x 50 x 3 (5m GATE)	-	9.26	38.71
PF2-10	1	MILD STEEL SQ TUBE 50 x 50 x 3 (4m GATE)	-	8.16	34.11
PF2-11	1	MILD STEEL SQ TUBE 50 x 50 x 3 (1.5m GATE)	-	7.22	30.18
PF2-12	1	MILD STEEL SQ TUBE 50 x 50 x 3 (1m GATE)	-	6.28	26.25
PF2-13	1	MILD STEEL FLAT BAR 50 x 8	50	0.05	0.12
PF2-14	2	MILD STEEL TUBING Ø20 NB (4m & 5m LH GATE)	50	0.10	0.14
PF2-15	1	MILD STEEL PLATE 32 x 8 (4m & 5m LH GATE)	28	0.03	0.04
PF2-16	2	HEX. HD BOLT M10 x 50 (4m & 5m LH GATE)	-	-	-
PF2-17	2	MILD STEEL ROUND BAR Ø20 (4m & 5m LH GATE)	580	0.58	1.43
PF2-18	2	MILD STEEL PLATE Ø70 x 8 (1m & 1.5m GATE)	70	0.14	0.48
PF2-19	1	M20 THREADED ROD (1m & 1.5m GATE)	100	0.10	0.24
PF2-20	1	MILD STEEL ROUND BAR Ø38 (1m & 1.5m GATE)	100	0.10	0.89
PF2-21	1	MILD STEEL ROUND BAR Ø20	146	0.29	0.71
PF2-22	1	MILD STEEL PLATE 50 x 20	40	0.04	0.19
PF2-23	4	MILD STEEL PLATE Ø50 x 8 (4m & 5m GATE)	50	0.20	0.56
PF2-24	2	M20 THREADED ROD (4m & 5m GATE)	225	0.45	1.10
PF2-25	2	MILD STEEL ROUND BAR Ø38 (4m & 5m GATE)	100	0.20	0.48
PF2-26	16	STD PALISADE 'D' SECTION 65 x 3 x 22 (5m)	2300	36.80	58.84
PF2-27	12	STD PALISADE 'D' SECTION 65 x 3 x 22 (4m)	2300	27.60	44.13
PF2-28	9	STD PALISADE 'D' SECTION 65 x 3 x 22 (1.5m)	2300	20.70	33.10
PF2-29	6	STD PALISADE 'D' SECTION 65 x 3 x 22 (1m)	2300	14.80	23.66
PF2-30	6	MILD STEEL FLAT BAR 40 x 6	90	0.54	1.02

D-DT-5237	SHEET 7L	ELECTRIC FENCE (BEHIND) MANUFACTURING DETAILS	D-DT-5237	SHEET 7C	ELECTRIC GATES ASSEMBLY & SECTIONS		
D-DT-5237	SHEET 7K	ELECTRIC FENCE (BEHIND) ASSEMBLY & SECTIONS	D-DT-5237	SHEET 7E	MOTORIZED SLIDING GATE (SECTION & DETAIL		
D-DT-5237	SHEET 7M	ELECTRIC FENCE (TOP) ASSY & MANUFACT. DETAILS	D-DT-5237	SHEET 7D	SLOPING PANELS MANUFACTURING DETAILS		
D-DT-5237	SHEET 7I	ELECTRIC GATES 5m MANUFACTURING DETAILS	D-DT-5237	SHEET 7C	SLOPING PANELS ASSEMBLY & SECTIONS		
D-DT-5237	SHEET 7H	ELECTRIC GATES 4m MANUFACTURING DETAILS	D-DT-5237	SHEET 7B	PANELS MANUFACTURING DETAILS		
D-DT-5237	SHEET 7N	REFERENCE DRAWINGS:	D-DT-5237	SHEET 7A	PANELS ASSEMBLY & SECTIONS		
DRG NO.	SHEET NO:	REFERENCE DRAWINGS:	DRG NO.	SHEET NO.	REFERENCE DRAWINGS:		
THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS							
2	UPDATED DRAWING.		BHM	NSH	NMM	19/02/2018	
1	UPDATED DRAWING.		BHM	NSH	NMM	27/06/2016	
0	FIRST ISSUE					/ /	
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	PROJECT NO.
 AUTH: B HILL DATE: 26/04/2012 CHKD: N WEBBER DATE: 22/04/2012 DRAWN: G BEETGE DATE: 22/04/2012			SECURITY FENCE 2.4m STEEL PALISADE MANUAL GATES 1m, 1.5m, 2m & 2.5m MANUFACTURING DETAILS				
			D-DT-5237				
			SCALE 1:20				
			THIS DRAWING IS THE PROPERTY OF ESKOM				
			SET				
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