



DETAIL A

AERIAL GUY ARRANGEMENT

FOUNDATION TYPE 1

FOUNDATION TYPE 2

POLE AND GUY ARRANGEMENT

TYPE	ANCHOR PLATE	ANGLE θ	DEPTH OF ANCHOR PLATE 'A'	LENGTH OF GUY ROD SLOT 'B'
G160	0.6 m	60°	1.8 m	0.8 m
G145	0.6 m	45°	1.4 m	1.1 m
G130	0.6 m	30°	0.9 m	1.3 m
G260	1.5 m	60°	1.8 m	0.8 m
G245	1.5 m	45°	1.4 m	1.1 m
G230	1.5 m	30°	0.9 m	1.3 m

NOTES :

1. CONCRETE FOR GUY ANCHORS AND PEDESTRIAN GUARDS, TO HAVE A COMPRESSIVE STRENGTH OF 20 MPa.
2. GUY ARRANGEMENTS SHOWN ARE FOR INSTALLATIONS IN AVERAGE GROUND CONDITIONS. FOR ROCK OR SOFT CONDITIONS A SPECIAL DESIGN IS REQUIRED. 45° GUYS ARE TO BE USED IN ALL SITUATIONS EXCEPT:
 - A. IN URBAN SITUATIONS WHERE SPACE LIMITATIONS PRECLUDE THEM, IN THESE SITUATIONS 60° GUYS SHALL BE USED.
 - B. ON HIGH STRENGTH RURAL LINES WHERE THEY HAVE INADEQUATE STRENGTH, 30° GUYS SHALL BE USED.
3. PEDESTRIAN GUARDS ARE TO BE USED IN ALL LOCATIONS UNLESS SPECIFIED BY THE PROJECT MANAGER. WHERE PEDESTRIAN GUARDS ARE USED THE GUY ROD'S GROUND PENETRATION POINT SHALL SIT UNDER THE GUARD AND THE GUY WIRE SHALL BE 2M ABOVE GROUND LEVEL AT THE END OF THE GUARD. ALL PEDESTRIAN GUARDS SHALL BE CONCRETED FULL DEPTH.
4. HIGH STRENGTH RURAL LINES GUY POLES ARE TO BE CONCRETED FULL DEPTH.
5. GUY POLE TO BE BACK FILLED WITH SUITABLE MATERIAL AND COMPACTED TO 90% OF MAXIMUM MODIFIED DRY DENSITY.
6. FOR DETERMINING POLE GUY SIZE SEE DRAWINGS S01-04-01-17 AND S01-04-01-18.
7. USE 20mm GUY ROD WITH 7/2.75 WIRE AND 24mm GUY ROD WITH 19/2.75 WIRE.

POLE TYPE	SET OUT DIMENSIONS			
	C	D GUY ANGLE		
		30°	45°	60°
9.0 m	7100	13900	8500	5200
10.5 m	8500	16320	9900	6000
12.0 m	9800	18570	11200	6760
13.5 m	11200	21000	12600	7570

TAG No	QTY.	DESCRIPTION	STOCK CODE	DRG REF
9	1	TURNBUCKLE	289520	S01-01-04-08
8	2	THIMBLE TO SUIT GUY WIRE	-	S01-01-04-08
7	1	ANCHOR - STEEL	-	S01-01-04-08
6	1	GUY ROD-FORGED EYE, GALV, STEEL	-	S01-01-04-08
5	1	PEDESTRIAN GUARD - STEEL	9233	S01-01-04-08
3	1	STAYWIRE - STEEL, GALVANISED 19/2.75	8730	
2	2	PRE-FORMED DEAD END	-	S01-01-04-18
1	1	'U'-BEND GUY	-	S01-01-04-08

MATERIAL SCHEDULE

NO	DESCRIPTION	DRN	DATE	CKD	APPD
12	TURNBUCKLE AND THIMBLE ADDED. NOTE 3 AND ITEM 5 UPDATED. NOTE 8 AND ITEM 4 REMOVED.	A.T.	FEB'13	B.C.	B.C.
11	SUPERSEDED	A.T.	DEC'12	B.C.	B.C.
10	ITEM 3 UPDATED	C.C.	FEB'11	A.T.	S.C.
9	REDRAWN ON MICROSTATION. NOTES REVISED AND AMENDED. TAG 4 STOCK CODE AMENDED. TAG 2 DRG No AMENDED.	J.A.L.	JAN'97	F.R.R.	A.G.B.
8	NOTES 3 & 7 AMENDED.	GMCK	NOV'92	N.S.	-
7	SET OUT DIMENSIONS ALTERED.	R.T.F.	APR'90	N.S.	-



DES	J.HASSENAN	POWER STANDARD DRAWING	
DRN	C.HUNTER	ASSEMBLIES	
CKD		GUYS	
APPD		GROUND & AERIAL	
SCALE	N.T.S	A3	DRAWING NUMBER S01-02-01-09
ISSUED	JUN'79		
ALL DIM.	IN mm	DRAWING NUMBER S01-02-01-09	
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY	

