



IDENTIFIER	DESCRIPTION
G	GROUND TYPE GUY
1 OR 2	FOUNDATION TYPE 1 OR 2
30, 45 OR 60	GUY WIRE GROUND ANGLE (θ)
A OR B	TYPE A - 7/2.75 WIRE WITH 20mm DIA. ROD TYPE B - 19/2.75 WIRE WITH 24mm DIA. ROD

TABLE 3 - GUY IDENTIFICATION

SOIL GROUP	GUY TYPE	MAX. HORIZONTAL POLE TOP TENSION (kN)					
		G160	G145	G130	G260	G245	G230
1	A	10.35	14.64	17.93	N/R	N/R	N/R
	B	23.3	36.2	56.6	48.6	71.2	N/R
2	A	10.35	14.64	17.93	N/R	N/R	N/R
	B	17.9	26.7	40.3	40.3	56.2	N/R
3	A	10.35	14.64	17.93	N/R	N/R	N/R
	B	12.4	17.3	24.0	31.5	41.2	50.7

TABLE 2 - GUY SELECTION (N/R - NOT RECOMMENDED)

NOTES

- SOIL BEARING PRESSURE - THE WORST EXPECTED CONDITIONS SHOULD BE USED WHEN ESTIMATING THE STRENGTH OF GUY FOOTINGS FOR SOILS AS DEFINED AS FOLLOWS:-
 - SOIL GROUP 1 (GOOD BEARING 300kPa)
WELL COMPACTED ROCK SOIL, HARD CLAY AND WELL BONDED SAND AND GRAVEL WITH GOOD SURFACE WATER DRAINAGE AND FOOTING NORMALLY ABOVE WATERTABLE.
 - SOIL GROUP 2 (MEDIUM BEARING 200kPa)
COMPACT MEDIUM CLAY, WELL BONDED SANDY LOAM BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE.
 - SOIL GROUP 3 (POOR BEARING 100kPa)
SOFT CLAY, POOR COMPACTED SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER PROVIDED THESE DO NOT DEVELOP INTO SLUSH.
 - WHERE GUY FOUNDATIONS ARE TO BE LOCATED IN LOW LYING AREAS THAT ARE PRONE TO FLOODING OR SEVERE SURFACE SOIL EROSION, A SPECIAL ANCHOR TYPE WILL HAVE TO BE DESIGNED.
- MAXIMUM ALLOWABLE TENSION FOR STEEL WIRE
 - 19/2.75 : 56.4 kN
 - 7/2.75 : 20.7 kN
- MAXIMUM ALLOWABLE TENSION FOR GUY RODS
 - 20 DIA. : 46.4 kN
 - 24 DIA. : 80 kN
- REFER TO DRG. NO. S01-02-01-09 FOR GUY CONSTRUCTION DETAILS
- REFER TO DRG. NO. S01-01-04-08 FOR GUY ACCESSORIES.
- GUY SELECTION TABLE BASED ON MAXIMUM FOUNDATION STRENGTH FOR GIVEN SOIL CONDITIONS

POLE TYPE	WIND LOAD ON POLE AT POLE TOP (NEWTONS)	
	STRONG DIRECTION	WEAK DIRECTION
9A	438	438
9B	657	657
9C	876	657
10.5A	522	522
10.5B	783	783
10.5C	1044	783
12B	900	900
12C	1200	900
13.5A	1026	1026
13.5B	1368	1026
13.5C	1660	1400
15	2003	1442

TABLE 1 - POLE TOP LOADING

SUPERCEDED TABLE REFER TO S01-04-01-19

- TITLEBLOCK & DRAWING NUMBERS FORMATTED
- TABLE SUPERCEDED. NOT TO BE USED FOR NEW CONSTRUCTION.
- TABLE 2 ALTERED.
- TABLE 1 ALTERED. NOTES AMENDED.

K.T.	APR'19	C.C.	C.C.
R.G.I	DEC'99	N.W.B	F.R.R.
J.A.L	MAR'95	S.C.M	P.J.D
R.T.F	9/90	pmc	B.T.K

NO	DESCRIPTION	DRN	DATE	CKD	APPD
	AMENDMENTS				



DES	p.mc	POWER STANDARD DRAWING		
DRN	p.mc	DESIGN DATA GUY SELECTION NOMOGRAM		
CKD	N.S.			
APPD	B.KENT	DRAWING NUMBER S01-04-01-17		
SCALE	NO SCALE			
ISSUED	MAR'90	A3	DRAWING NUMBER S01-04-01-17	
ALL DIM.	IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT