



**NOTES:**

1. THE 66KV SIDE TO BE INSTALLED WITH 5 DISC INSULATORS UNDER ALL CONDITIONS.
2. THE 66KV DISC INSULATORS TO HAVE A MINIMUM ANGLE OF SWING OF 44°.
4. HEIGHT ABOVE GROUND, 'R', CALCULATED WITH INSULATOR STRING AT THE MINIMUM ANGLE OF SWING.
4. THE FOLLOWING INFORMATION IS TO BE OBTAINED FROM THE LINE SCHEDULE :
  - a) POLE LENGTH
  - b) SPECIAL FOUNDATION REQUIREMENTS
  - c) VARIATIONS TO STANDARD POLE DEPTH 'D'
  - d) CONDUCTOR AND O.H.E.W. SIZES
  - e) STAY REQUIREMENTS
  - f) DEVIATION ANGLE
  - g) ASSESSED EARTHING REQUIREMENTS

CONDUCTOR AND LOAD CENTRE OFFSETS				
	FROM DATUM			
	66KV		132KV	
	X - 1	Y - 1	X - 2	Y - 2
O.H.E.W.	-344	-158	344	-158
LOAD CENTRE O.H.E.W.	0	0	0	0
CONDUCTOR 'A'	-980	-413	1697	-210
CONDUCTOR 'B'	-980	-2613	1716	-2410
CONDUCTOR 'C'	-980	-4813	1736	-4610
LOAD CENTRE CONDUCTOR	0	-2200	0	-2200

POLE LENGTH	'D' STANDARD DEPTH	'U'	'R'
m	m	m	m
18.5	2.45	8.69	8.485
20.0	2.60	10.04	9.835
21.5	2.75	11.39	11.185
23.0	2.90	12.74	12.535
24.0	3.00	13.64	13.435
26.0	3.20	15.44	15.235

ITEM	DESCRIPTION	DRG.No.	STOCK CODE	QTY.
7	OVERHEAD EARTHWIRE TWIN SUSPENSION ARRANGEMENT - DETAIL 'A'	A3-14188		1
6	OVERHEAD LINE SUSPENSION INSULATOR STRING ARR.-2 (SEE NOTES 1 & 2)	A2-14043		3
5	O'HEAD LINE POLE BAND MOUNTING AND BONDING ARRANGEMENT -1	A2-14158		4
4	O'HEAD LINE HORIZ.LINE POST INSULATOR MOUNTING AND BONDING ARR-2	A2-14161		3
3	CONCRETE POLE BUTT PLATE EARTHING ARRANGEMENT	A2-20209		1
2	CONCRETE POLE FOOTING ARRANGEMENT	A3-12331		1
1	POLE, CONCRETE TYPE 6-283 C/E	A2-20309		1

CAD DRAWING  
DO NOT MANUALLY AMEND  
A M E N D M E N T S  
DWN: GARRY CRAIG  
CHKD: GARRY CRAIG  
DATE: 09/01/2014  
AUSGRID BORDER APPLIED.  
APPD BY: LEIGH DUNKLEY

ITEM	DESCRIPTION	DRG.No.	STOCK CODE	QTY.

NETWORK STANDARD  
**Ausgrid**  
DESIGN & ENGINEERING BRANCH  
145 NEWCASTLE RD WALLSEND, NSW 2287  
Ph 02 4951 9388  
Fax 02 4951 9389

SCALE	1:25
DESIGNED	EA
DRAWN	
CHECKED	PAS
APPROVED	R BREMMELL
DATE	22/08/95
PROJECT NUMBER	STD
PROJTRAK NUMBER	

STANDARD CONSTRUCTION 132 - 66 kV TRANSMISSION STRUCTURE ASSEMBLY 6-283 C/E			
SIZE	DRAWING No	SHEET	AMD
A2	520308	01	2