



REFERENCE DRAWINGS	
TITLE	DRAWING No
1 PHASE POLE TRANSFORMER ON TIMBER POLE GENERAL ARRANGEMENT	228831
1 PHASE POLE TRANSFORMER ON COMPOSITE POLE GENERAL ARRANGEMENT	244227

NOTES	
1. HV FUSES AND LV FUSES ARE TO BE ANGLED 15° TOWARDS THE CENTRE OF THE POLE.	
2. MINIMUM CLEARANCES: 11kV TO EARTH TO BE GREATER THAN 200mm. 22kV TO EARTH TO BE GREATER THAN 300mm HV TO HV & HV TO LV WITH DROPOUT FUSE OPEN TO BE GREATER THAN 350mm	
3. SUSPENSION CLAMP (ITEM 76) MUST BE A FIRM CLAMP ON HV DROPPER CABLE. CONDUIT INSERTS MAY BE USED TO ACHIEVE A FIRM CLAMP.	
4. SERVICES MAY BE TAKEN OFF THE LV CROSSARM OR DIRECTLY OFF THE POLE, PROVIDING 700mm MINIMUM APPROACH DISTANCE TO HV IS MAINTAINED.	
5. WHEN INSTALLING FUSE BASE (ITEM 73) ONTO THE CROSSARM, FIRST INSTALL AN M16 FLAT ROUND WASHER ONTO THE M16 BOLT, THEN PASS THE BOLT THROUGH THE FUSE BASE MOUNTING BRACKET & THE CROSSARM. SECURE BY FIRST INSTALLING THE TWISTED PLATE (ITEM 77) FOLLOWED BY AN M16 CONICAL WASHER, THEN ANOTHER M16 FLAT ROUND WASHER AND FINALLY THE NUT.	
6. WHERE MORE THAN 2 LV ABC CABLES ARE REQUIRED IN ONE DIRECTION, AN ADDITIONAL CROSSARM MAY BE INSTALLED 300mm ABOVE EXISTING LV CROSSARM.	
7. LV NEUTRAL COLLECTION PLATE MAY BE INSTALLED EITHER BELOW OR ABOVE L.V. CROSSARM.	
8. A LV CROSSARM THAT WILL BE SUBJECTED TO UNBALANCED LOADS WHICH WOULD EXCEED THE PERMISSIBLE DESIGN LOAD LIMITS OF THE CROSSARM, MUST BE STAYED IN ACCORDANCE WITH DETAIL 'A' PRIOR TO ATTACHING THE UNBALANCED LOAD TO THE CROSSARM. MINIMUM HEIGHT OF STAY TO BE 6.0m ABOVE CENTRE OF CARRIAGEWAY AND 5.5m ABOVE KERB. REFER TO NS220 FOR FURTHER DETAILS.	
9. WHEN A DOUBLE END TERMINATION OCCURS ON THE POLE SIDE OF THE LV CROSSARM, A STAY WIRE IS WILL NOT BE REQUIRED.	
10. A HV SUPPORT CROSSARM IS REQUIRED FOR ALL POLES WHERE THE DISTANCE BETWEEN HV FEEDER & HV DROP-OUT FUSE CROSSARM IS EQUAL TO OR GREATER THAN 1500mm. THE SUPPORT CROSSARM IS TO BE CONSTRUCTED AS SHOWN IRRESPECTIVE OF THE TYPE OF HV MAINS CABLE, MIDWAY BETWEEN THE HV FEEDER AND HV DROP-OUT FUSE CROSSARM.	

ITEM NUMBERS ARE SHOWN	
REFER TO DRAWINGS 228831 OR 244227 FOR ITEM NUMBERS	

CONSTRUCTION	
SCALE DESIGNED	AS SHOWN
DRAWN	C.MABBUTT
CHECKED	P.JARVIS
APPROVED	D.GRCEV
DATE	15/10/2012
PROJECT NUMBER	PM02-02010-1-3-1
PROJTRAK NUMBER	
SIZE	A1
DRAWING No	228833
SHEET	1
AMD	6