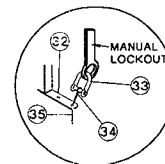
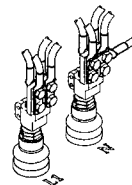


ITEM	DESCRIPTION	QTY.	STOCK NO.
1	10.7m WOOD POLE	2	334504
2	ANTI-CLIMBING GUARD	4	331806
3	BARBED WIRE	AS REQ.	332491
4	DANGER PLATE	1	339200
5	LV CUTOUT HOUSED IN FIBRE GLASS BOX	2	AS REQ.
6	LV SUPPLY BOX FOR PMS CONTROL CUBICLE	1	1004765
7	PMS CONTROL CUBICLE	1	40043323
8	MDI BOX - 200A 300A	AS REQ.	10008491
9	LV SURGE ARRESTER	8	10010697
10	LV ABC CONNECTOR	8	10010697
11	32mm ² PVC COVERED CONDUCTOR	AS REQ.	295131
12	120mm ² Al/95mm ² Cu 3/C XLPE CABLE	AS REQ.	AS REQ.
13	IRONWORK AND CROSS BRACING FOR TRANSFORMER 'H' POLE	1	331546
14	POLE MOUNTED TRANSFORMER - 200kVA 300kVA 400kVA	AS REQ.	10001628
15	LV POWER CABLE	AS REQ.	AS REQ.
16	11kV SURGE ARRESTER	15	337054
17	INSULATED COVER FOR 11kV SURGE ARRESTER	15	10012322
18	32mm ² TINNED COPPER BRAID FOR 11kV SURGE ARRESTER	AS REQ.	10002704
19	COMPRESSION LUGS FOR 32mm ² COPPER CONDUCTOR	AS REQ.	338544
20	TINNED COPPER CONNECTION PLATE FOR SURGE ARRESTER	6	10002702
21	IRONWORK FOR 11kV SURGE ARRESTER	1	331552
22	11kV FUSE CUTOUT	3	375101
23	30A HV FUSE	3	10013994
24	INSULATED COVER FOR 11kV FUSE CUTOUT	3	10012732
25	11kV FUSE CUTOUT IRONWORK	1	331547
26	CROSSARM BRACE	4	331804
27	CROSSARM FOR 11kV POLE LINE	2	331533
28	STAY WIRE - GALVANIZED STRAND STEEL	4	333502
29	GUY GRIP DEAD END FOR STAY WIRE	4	333302
30	GAS INSULATED ISOLATOR	1	10015550
31	INSULATOR COVER FOR GAS INSULATED ISOLATOR	12	10012739
32	COPPER CONNECTION PLATE	1	338770
33	Ø20 SHACKLE	1	10001245
34	WIRE CLIP	1	10001244
35	Ø3 STAINLESS STEEL WIRE	1	10001243
36	POLE MOUNTED SWITCH - SCHNEIDER RL27 WITH ADVG CONTROLLER	1	40043322
37	CABLE GUARD	2	334540
38	100A FUSE CUTOUT	1	431095
39	30A FUSE	1	431602
40	32A FUSE HOLDER FOR PHASE	1	RS:2165339
41	6A FUSE	1	RS:413484
42	35mm ² PVC S/C Cu WIRE	AS REQ.	290172
43	2.5mm ² 2/C ARMoured CABLE	AS REQ.	TBA
44	16mm ² PVC 1/C Cu WIRE	AS REQ.	290162
45	70mm ² Cu XLPE/PVC WIRE	AS REQ.	290178
46	32mm ² BARE Cu WIRE	AS REQ.	295130
47	AL STRIP FOR MOUNTING THE 70mm ² Cu CABLE	AS REQ.	966471
48	STEEL STAPLES #8 SWG	AS REQ.	966451
49	32A FUSE LINK	1	RS:2421128
50	32A FUSE HOLDER FOR NEUTRAL LINK	1	RS:2165345
51	50mm ² Al XLPE COVERED CONDUCTOR	AS REQ.	10003080
52	CABLE CLEAT	AS REQ.	AS REQ.

NOTES:

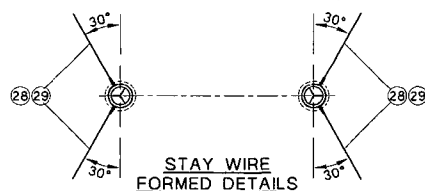
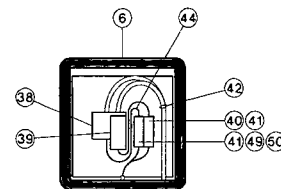
- ALL EARTH RUN = 32mm² CU CONDUCTOR MIN. OR EQUIVALENT.
- EARTH POINTS OF POLE MOUNTED LOAD BREAK SWITCH IS DIRECTLY BOND TO THE HV MAIN EARTH. CONTROL CUBICLE MUST BE CONNECTED TO THIS EARTH CONDUCTOR BONDED BY A TEE-OFF EARTHING CONDUCTOR SHORTER THAN 500-1000mm.
- THE POINT OF GAS INSULATED ISOLATOR BONDS TO HV MAIN EARTH OF POLE MOUNTED LOAD BREAK SWITCH.
- HV ARRESTER, AERIAL AND METALLIC COMPONENTS ARE BONDED TO THE EARTH POINT OF LOAD BREAK SWITCH.
- TO ENHANCE SURGE PROTECTION OF Tx., 2 NEUTRAL SURGE ARRESTERS ARE CONNECTED IN PARALLEL BETWEEN Tx. AND HV EARTHING.
- LV PHASE ARRESTERS ARE OPTIONAL AND ARE INSTALLED FOR LV POLE LINE LOCATED AT LIGHTNING-PRONE AREA.
- Tx. TANK, EARTH TERMINALS OF HV ARRESTERS AND NEUTRAL ARRESTERS, CROSSARM ARE CONNECTED TO HV EARTH. Tx. NEUTRAL AND EARTH TERMINALS OF LV PHASE ARRESTERS ARE CONNECTED TO NEUTRAL EARTH.
- FOR 200kVA Tx., THERE IS ONLY ONE LV CUTOUT BOX. FOR DETAILED INSTALLATION OF THE SWITCHES AND TRANSFORMER, REFER TO RESPECTIVE IOM MANUALS.
- FOR 11kV OVERHEAD LINE CONSTRUCTION WORK, REFER TO TECHNICAL GUIDELINE PS-TG-0177.
- THE LV SUPPLY TO THE PMS CONTROL CUBICLE CAN BE SUPPLIED BY POLE MOUNTED TRANSFORMER AT A NEARBY POLE.
- ALL STAY ARE 45° STAYS ANGLE.
- ALL DIMENSIONS ARE IN mm.

DETAIL CONNECTION OF LV BUSHING (400kVA Tx. ONLY) (NOT TO SCALE)



DETAIL 'A'

DETAIL CONNECTION OF LV SUPPLY BOX



STAY WIRE FORMED DETAILS

CLP 中電		REVS. 17-05-17	A	B	C	D	E	F	G	H	J	K	L	
DRAWN: C W WONG		DATE: 15 AUG. 2014	INITIAL: C.CHEUNG											
CHECKED: S K LAU		APPROVED: S K LAU	TITLE: TYPICAL LAYOUT FOR STAND-ALONE H-POLE WITH POLE MOUNTED TRANSFORMER AND TWO POLE MOUNTED ISOLATOR(S)/SWITCHES											
SCALE: 1 : 50		SHEET(S) IN SET: 1	PROJECT NO.					CONTRACT NO.						
A NOTES ADDED		ASSET MANAGEMENT												
DRG. NO. T		G E N 5 1 2 2 0 D E 3 3 3 0 4 2 0 1 A A												