



SECTION A-A
SCALE 1:50

NOTES

1. THIS SUBSTATION DESIGN CAN ONLY BE LOCATED ON THE CORNER OF THE CONSUMERS' BUILDING. ACCESS FROM THE SUBSTATION CHAMBER INTO THE CONSUMERS' BUILDING IS NOT ACCEPTABLE.
2. ADDITIONAL STEPS (UP TO A MAXIMUM OF 3) INCLUDING AN APPROPRIATE HANDRAIL MAY BE PROVIDED AT ANY PERSONNEL DOORWAY. IF THE STEPS ARE TO BE LOCATED WITHIN THE SUBSTATION CHAMBER, IT WILL BE NECESSARY TO EXTEND THE SUBSTATION CHAMBER TO ACCOMMODATE THE ENCROACHMENT OF THE STEPS, SUCH THAT THE INTERNAL DIMENSIONS OF THE SUBSTATION CHAMBER ARE NOT REDUCED.
3. SUBSTATION PLAN CAN BE MIRROR IMAGED TO SUIT THE CONSUMERS BUILDING LAYOUT.
4. THE TRANSFORMER LOUVRE DOOR OPENING SHOULD PREFERABLY BE TO THE SUBSTATION CEILING HEIGHT, AS SHOWN. IF IT IS NOT POSSIBLE DUE TO STRUCTURAL DIFFICULTIES, A MINIMUM OPENING HEIGHT OF TRANSFORMER PLUS LIFTING REQUIREMENTS IS ACCEPTABLE.
5. THESE DIMENSIONS VARY WITH HV SWITCHES USED. ALL DESIGNS MUST BE DISCUSSED WITH AND APPROVED BY THE REGIONAL ENGINEER.
6. ALL CONDUITS ENTERING THE PIT SHALL FINISH FLUSH WITH THE INTERNAL PIT WALL AND BE CAPPED WITH A BELL MOUTH FITTING.
7. ALL CONDUITS ENTERING THE SUBSTATION SHALL BE SEALED WITH A PWC APPROVED SEALING METHOD. REFER TO S02-1-9-03.

INDOOR SUBSTATION EARTHING LAYOUT	S02-2-7-47 S02-2-7-46
INDOOR SUBSTATION SURFACE CHAMBER CABLE TRAY DETAILS	S02-2-7-48 S02-2-7-49
INDOOR SUBSTATION SURFACE CHAMBER LOUVRED DOOR DETAILS	S02-2-7-02 S02-2-7-03
INDOOR SUBSTATION SURFACE CHAMBER CONSTRUCTION NOTES	S02-2-7-00
THREE TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 3 CONSTRUCTION DETAILS SHEET 1 OF 3 CONSTRUCTION DETAILS SHEET 3 OF 3	S02-2-7-42 S02-2-7-44
REFERENCE DRAWING	DRWG. No.

No.	DIA. mm	MAT	BEND RAD.	REMARKS
20	50	CAT.A PVC		CONTROL CABLE
18,19	50,65	CAT.A PVC		HV SW/GR EARTH, HV HEATERS
9-17	150	CAT.A PVC	1200	LV TO CONSUMER
7,8	150	CAT.A PVC	1200	LV TO STREET NETWORK
4,5,6	150	CAT.A PVC	760	HV TO TRANSFORMER
1,2,3	150	CAT.A PVC	1200	HV FEEDERS

CONDUIT SCHEDULE

NO	DESCRIPTION	DRN	DATE	CKD	APPD
2	NOTES AMENDED, DRAWINGS S02-2-7-22 AND S02-2-7-23 REPLACED WITH S02-2-7-00	A.T.	JAN'14	B.C.	B.C.
1	CONDUIT MATERIAL UPDATED	J.C.	OCT'09	A.T.	S.C.

AMENDMENTS

PowerWater
NORTHERN TERRITORY

DES	I.PURVES	POWER STANDARD DRAWING	
DRN	G.R./A.D.	THREE TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 3 CONSTRUCTION DETAILS SHEET 2 OF 3	
CKD	S.LEACH		
APPD	F.ROBSON		
SCALE	1:50	A3	DRAWING NUMBER S02-2-7-43
ISSUED	MARCH '98		
ALL DIM. IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY	

AMDT