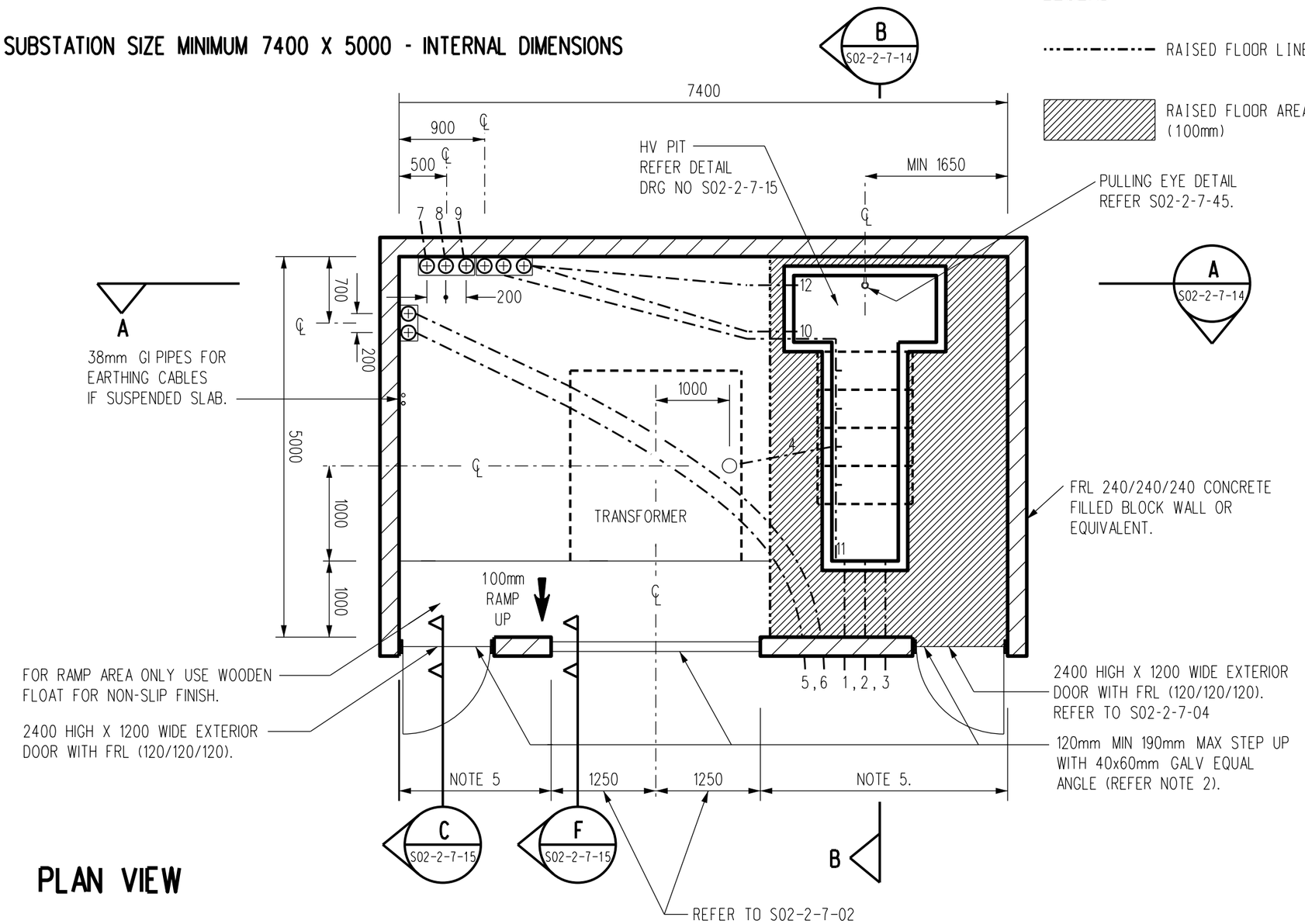
SUBSTATION SIZE MINIMUM 7400 X 5000 - INTERNAL DIMENSIONS



PLAN VIEW

LEGEND

RAISED FLOOR LINE

RAISED FLOOR AREA (100mm)

A
S02-2-7-14

NOTES

1. SUBSTATION PLAN CAN BE MIRROR IMAGED TO SUIT THE CONSUMERS' BUILDING LAYOUT.
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 CHAMBERS, 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. PULLING EYE DETAIL SHOWN ON DRAWING No. S02-2-7-45.
4. RAISED AREA TO BE 150mm BEYOND OUTSIDE EDGE OF PIT.
5. SUBSTATION DIMENSIONS WILL VARY DEPENDING ON THE LOCATION IN WHICH EQUIPMENT IS INSTALLED. THROUGH OUT THE SUBSTATION CHAMBER A MINIMUM OF 1000mm CLEAR OPENING SHALL BE PROVIDED FROM ANY STRUCTURE TO EQUIPMENT AND A MINIMUM OF 900mm BETWEEN EQUIPMENT.

REFERENCE DRAWING	DRWG. No.
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
ONE TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 1 CONSTRUCTION DETAILS SHEET 2 OF 3 CONSTRUCTION DETAILS SHEET 3 OF 3	 S02-2-7-14 S02-2-7-15

CONDUIT SCHEDULE

No.	DIA. mm	MAT	BEND RADIUS	REMARKS
12	50	CAT.A PVC		CONTROL CABLES
10,11	50,65	CAT.A PVC		HV SW/GR EARTH, HV HEATERS
7,8,9	150	CAT.A PVC	1200	LV TO CONSUMER
5,6	150	CAT.A PVC	1200	LV TO STREET NETWORK
4	150	CAT.A PVC	760	HV TO TRANSFORMER
1,2,3	150	CAT.A PVC	1200	HV FEEDERS

NO	DESCRIPTION	DRN	DATE	CKD	APPD
3	DIMENSIONS AMENDED	A.B.	JAN'17	I.B.	B.C.
2	NOTE 5 ADDED, DIMENSIONS UPDATED DRAWINGS S02-2-7-22 AND S02-2-7-23 REPLACED WITH S02-2-7-00, DOORS UPDATED	A.T.	JUN'14	B.C.	B.C.
1	CONDUIT MATERIAL UPDATED	J.C.	11/09	A.T.	S.C.

AMENDMENTS

PowerWater
NORTHERN TERRITORY

DES	I.PURVES
DRN	G.R./A.D.
CKD	S.LEACH
APPD	F.ROBSON
SCALE	N.T.S.
ISSUED	MARCH '98
ALL DIM. IN mm	

POWER STANDARD DRAWING

INDOOR SUBSTATION ONE TRANSFORMER ARRANGEMENT SURFACE CHAMBER - OPTION 1 CONSTRUCTION DETAILS SHEET 1 OF 3

A3

DRAWING NUMBER S02-2-7-13

3 AMDT

DRAFTING STANDARD TO A.S.1100

CAD PRODUCT - DO NOT AMEND MANUALLY