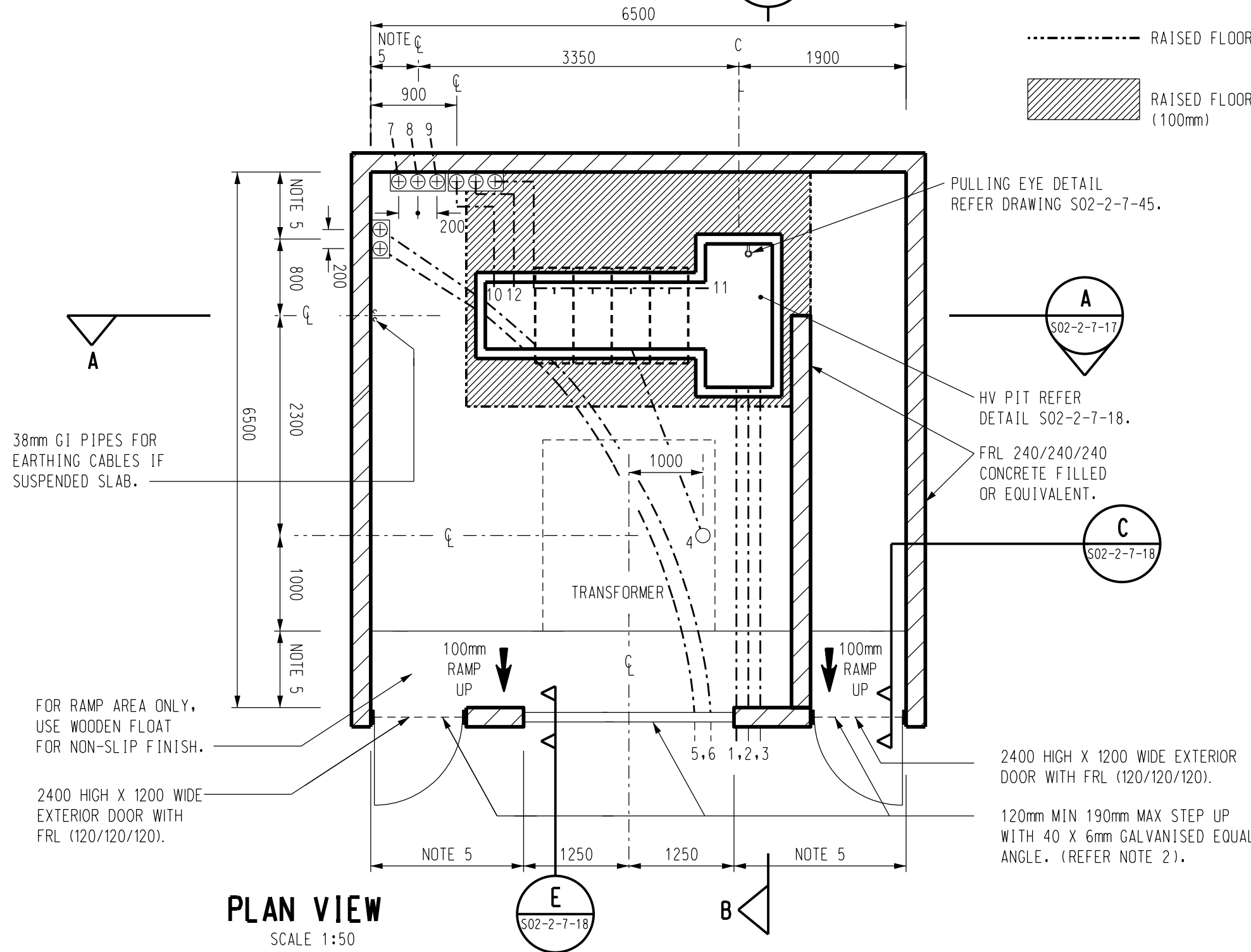


**SUBSTATION SIZE MINIMUM
6500 X 6500 - INTERNAL DIMENSIONS**



LEGEND

- RAISED FLOOR LINE
- RAISED FLOOR AREA (100mm)

NOTE

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.
4. RAISED FLOOR AREA TO BE 150mm BEYOND OUTSIDE EDGE OF PIT.
5. THE SUBSTATION DIMENSIONS WILL VARY DEPENDING ON THE LOCATION IN WHICH EQUIPMENT IS INSTALLED. THOUGHT OUT THE SUBSTATION A MINIMUM OF 1000mm CLEAR OPENING SHALL BE PROVIDED FROM ANY STRUCTURE TO EQUIPMENT AND A MINIMUM OF 900mm BETWEEN EQUIPMENT.

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 2 CONSTRUCTION DETAILS SHEET 2 OF 3 CONSTRUCTION DETAILS SHEET 3 OF 3	S02-2-7-17 S02-2-7-18
REFERENCE DRAWING	DRWG. No.

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, DIMEENSIONS CHANGED 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.



DES	I.PURVES	POWER STANDARD DRAWING		
DRN	G.R./A.D.	INDOOR SUBSTATION ONE TRANSFORMER ARRANGEMENT SURFACE CHAMBER - OPTION 2 CONSTRUCTION DETAILS SHEET 1 OF 3		
CKD	S.LEACH			
APPD	F.ROBSON			
SCALE	1:50			
ISSUED	MARCH '98	A3	DRAWING NUMBER	S02-2-7-16
ALL DIM. IN mm				
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT