

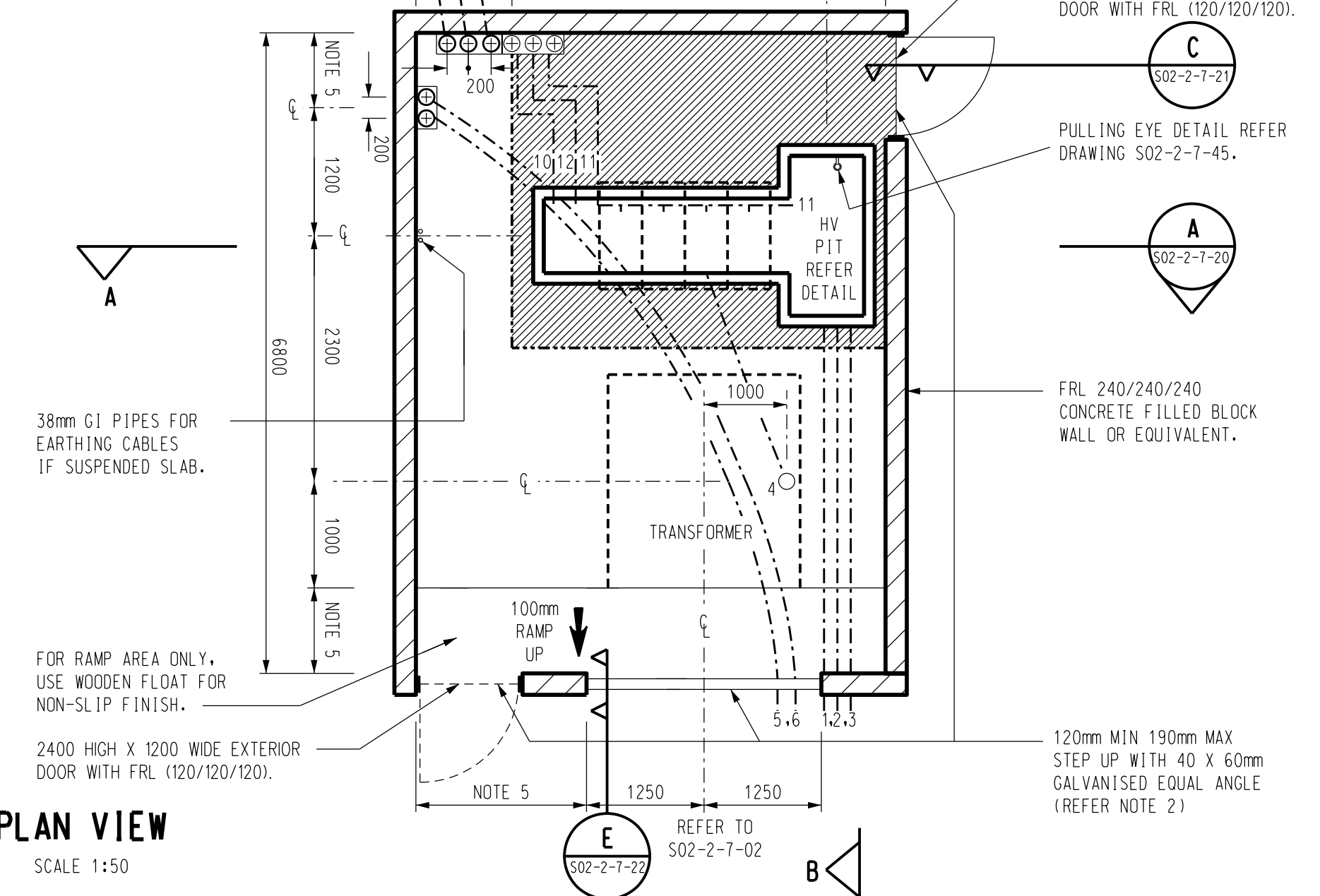
**SUBSTATION SIZE MINIMUM  
5000 X 6800 - INTERNAL DIMENSIONS**

**LEGEND**

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

**NOTE**

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.
4. RAISED FLOOR 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 A MINIMUM OF 1000mm CLEAR OPENING SHALL BE PROVIDED FROM ANY STRUCTURE TO EQUIPMENT AND MINIMUM OF 900mm BETWEEN EQUIPMENT.



**PLAN VIEW**

SCALE 1:50

INDOOR SUBSTATION EARTHING DETAILS	S02-2-7-46 S02-2-7-47
INDOOR SUBSTATION SURFACE CHAMBER CABLE TRAY DETAILS	S02-2-7-49 S02-2-7-48
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	S02-2-7-20 S02-2-7-21
<b>REFERENCE DRAWING</b>	<b>DRWG. No.</b>

No.	DIA. mm	MAT	BEND RAD.	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 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.	<b>INDOOR SUBSTATION ONE TRANSFORMER ARRANGEMENT SURFACE CHAMBER - OPTION 3 CONSTRUCTION DETAILS SHEET 1 OF 3</b>	
CKD	S.LEACH		
APPD	F.ROBSON		
SCALE	1:50	A3	DRAWING NUMBER S02-2-7-19
ISSUED	MARCH '98		
ALL DIM. IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY	

