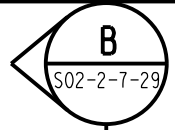


**TWO TRANSFORMER SUBSTATION
MINIMUM 10000 X 6600 - INTERNAL DIMENSIONS**

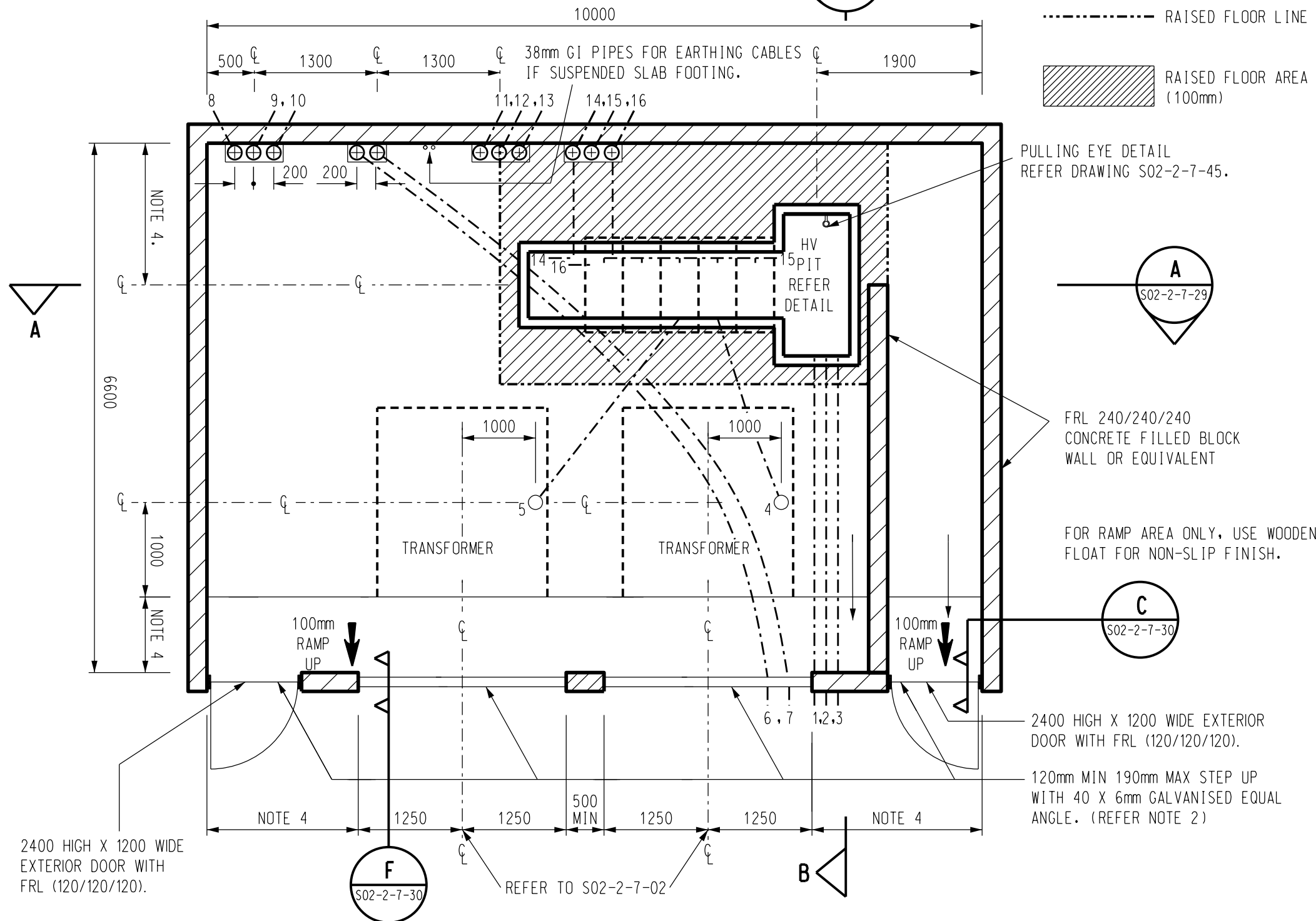


LEGEND

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

NOTE

- SUBSTATION PLAN CAN BE MIRROR IMAGED TO SUIT THE CONSUMERS BUILDING LAYOUT.
- 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.
- RAISED AREA TO BE 150mm BEYOND OUTSIDE EDGE OF PIT.
- THE SUBSTATIONS 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.



PLAN VIEW

INDOOR SUBSTATION EARTHING LAYOUT AND DETAILS	S02-2-7-46 S02-2-7-47
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
TWO TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 2 CONSTRUCTION DETAILS SHEET 2 OF 3 CONSTRUCTION DETAILS SHEET 3 OF 3	S02-2-7-29 S02-2-7-30

REFERENCE DRAWING				DRWG. No.
16	50	CAT-A PVC		HV CONTROL CABLES
14,15	50,65	CAT-A PVC		HV SW/GR EARTH, HV HEATERS
8-13	150	CAT-A PVC	1200	LV TO CONSUMER
6,7	150	CAT-A PVC	1200	LV TO STREET NETWORK
4,5	150	CAT-A PVC	760	HV TO TRANSFORMER
1,2,3	150	CAT-A PVC	1200	HV FEEDERS
No.	DIA. mm	MAT	BEND RAD.	REMARKS

CONDUIT SCHEDULE

NO	DESCRIPTION	DRN	DATE	CKD	APPD
3	DIMENSIONS AMENDED	A.B.	JAN'17	I.B.	B.C.
2	NOTE 4 ADDED, DIMENSIONS AMENDED, 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	C.W.M.	DEC'09	B.C.	S.C.



DES	I.PURVES	POWER STANDARD DRAWING	
DRN	G.R./A.D.	INDOOR SUBSTATION TWO TRANSFORMER ARRANGEMENT SURFACE CHAMBER - OPTION 2 CONSTRUCTION DETAILS SHEET 1 OF 3	
CKD	S.LEACH	A3	DRAWING NUMBER S2-2-7-28
APPD	F.ROBSON		
SCALE	N.T.S.		
ISSUED	MARCH '98		
ALL DIM. IN mm			
DRAFTING STANDARD TO AS 1100		CAD PRODUCT - DO NOT AMEND MANUALLY	