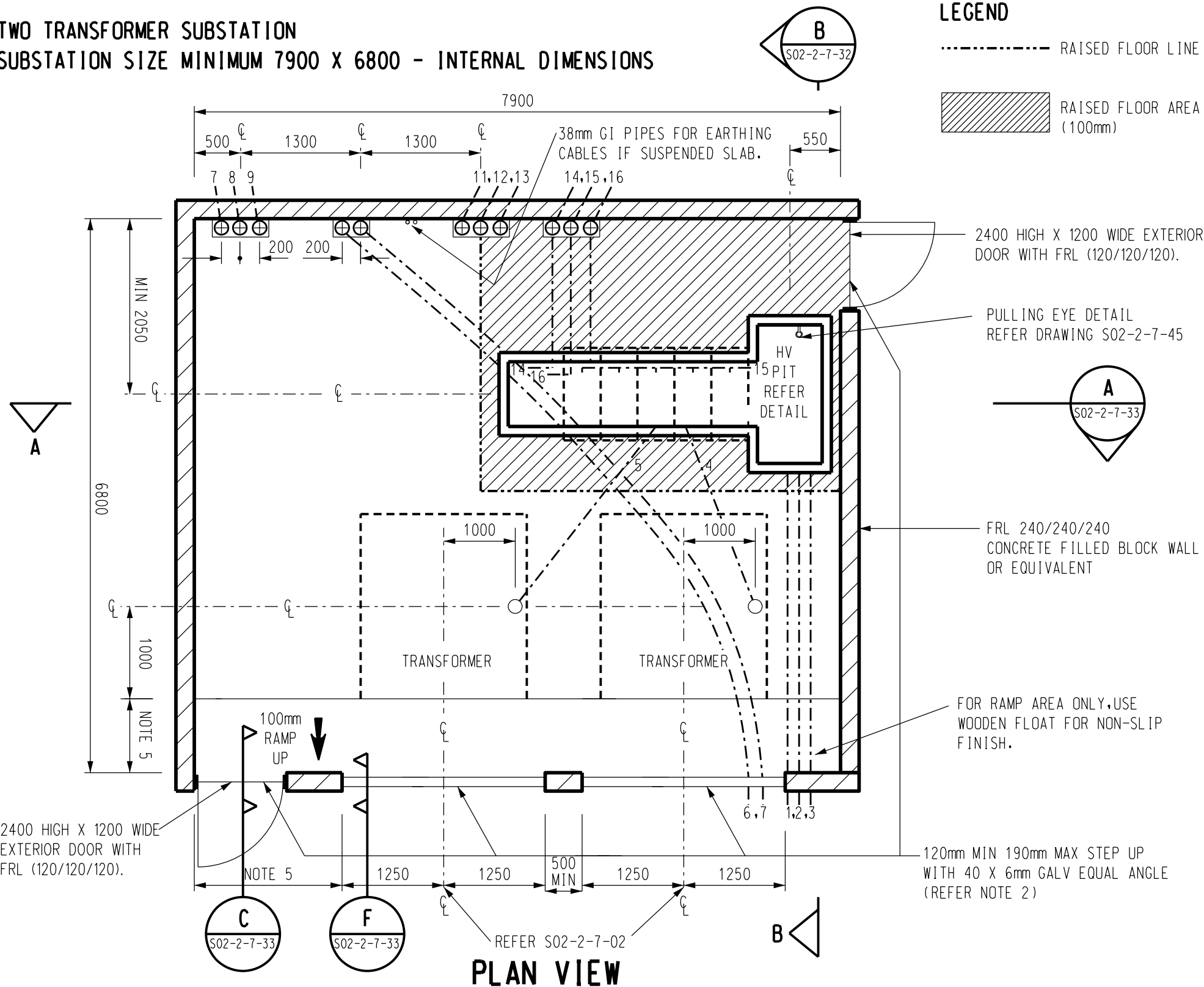


TWO TRANSFORMER SUBSTATION
SUBSTATION SIZE MINIMUM 7900 X 6800 - INTERNAL DIMENSIONS



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 LAYOUT.
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 ANT STRUCTURE TO EQUIPMENT AND A MINIMUM OFF 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
TWO TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 3 CONSTRUCTION DETAILS SHEET 2 OF 3 CONSTRUCTION DETAILS SHEET 3 OF 3	S02-2-7-32 S02-2-7-33
REFERENCE DRAWING	DRWG. No.

No.	DIA. mm	MAT	BEND RAD.	REMARKS
16	50	CAT.A PVC	760	HV CONTROL CABLES
14,15	50,65	CAT.A PVC	760	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

PLAN VIEW

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.	OCT'09	A.T.	S.C.



DES	I.PURVES	POWER STANDARD DRAWING		
DRN	G.R./A.D.	INDOOR SUBSTATION TWO TRANSFORMER ARRANGEMENT SURFACE CHAMBER - OPTION 3 CONSTRUCTION DETAILS SHEET 1 OF 3		
CKD	S.LEACH			
APPD	F.ROBSON			
SCALE	AS SHOWN			
ISSUED	MARCH '98			
ALL DIM. IN mm		A3	DRAWING NUMBER S02-2-7-31	
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT