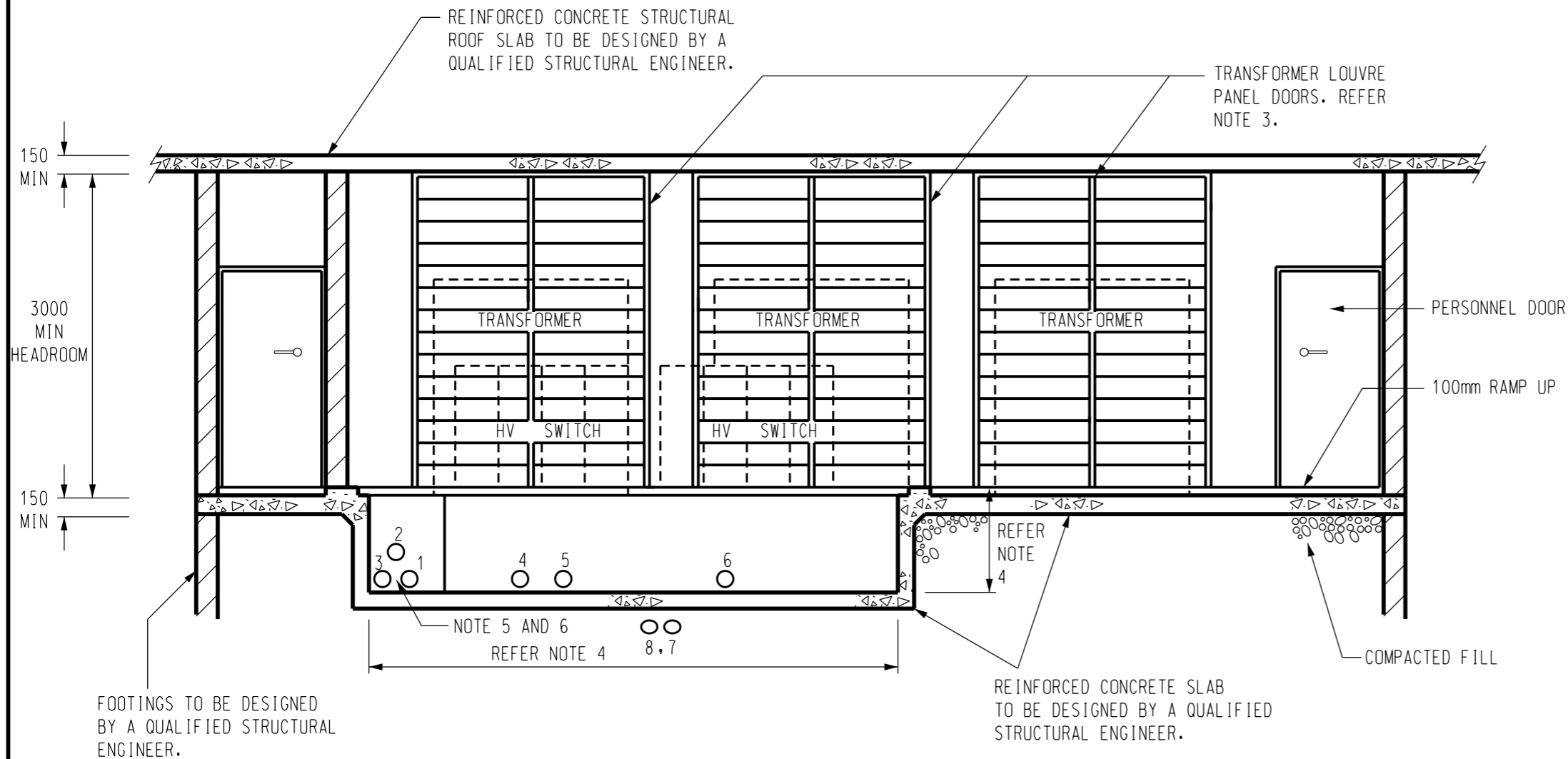


NOTES

1. SUBSTATION PLAN CAN BE MIRROR IMAGED TO SUIT THE CONSUMERS 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 CHAMBER, IT WILL BE NECESSARY TO EXTEND THE SUBSTATION CHAMBER TO ACCOMMODATE THE ENCROACHMENT OF THE STEP, SUCH THAT THE INTERNAL DIMENSIONS OF THE SUBSTATION CHAMBER ARE NOT REDUCED.
3. THE TRANSFORMER LOUVRE PANEL DOOR OPENING SHOULD PREFERABLY BE TO THE SUBSTATION CEILING HEIGHT, AS SHOWN. IF IT IS NOT POSSIBLE DUE TO STRUCTURAL DIFFICULTIES, A MINIMUM OPENING HEIGHT TO SUIT THE TRANSFORMER AND LIFTING REQUIREMENTS IS ACCEPTABLE.

4. THESE DIMENSIONS VARY WITH HV SWITCHES USED. ALL DESIGNS MUST BE DISCUSSED WITH AND APPROVED BY THE REGIONAL ENGINEER.
5. ALL CONDUITS ENTERING THE CABLE PIT SHALL FINISH FLUSH WITH THE INTERNAL PIT WALL AND BE CAPPED WITH A BELL MOUTH FITTING.
6. ALL CONDUITS ENTERING THE SUBSTATION SHALL BE SEALED WITH A PWC APPROVED SEALING METHOD. REFER TO S02-2-7-00.



SECTION A-A
SCALE 1:50

INDOOR SUBSTATION EARTHING LAYOUT	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
THREE TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 2 CONSTRUCTION DETAILS SHEET 1 OF 3	S02-2-7-39
CONSTRUCTION DETAILS SHEET 3 OF 3	S02-2-7-41
REFERENCE DRAWING	DRWG. No.

No.	DIA. mm	MAT	BEND RAD.	REMARKS
20	50	CAT.A PVC		CONTROL CABLE
18,19	50,65	CAT.A PVC		HV SW/GR EARTH, HV HEATERS
9-17	150	CAT.A PVC	1200	LV TO CONSUMER
7,8	150	CAT.A PVC	1200	LV TO STREET NETWORK
4,5,6	150	CAT.A PVC	760	HV TO TRANSFORMER
1,2,3	150	CAT.A PVC	1200	HV FEEDERS

CONDUIT SCHEDULE

NO	DESCRIPTION	DRN	DATE	CKD	APPD
2	NOTE 5, 6 ADDED, DRAWINGS S02-2-7-22 AND S02-2-7-23 REPLACED WITH S02-2-7-00	A.T.	JAN'14	B.C.	B.C.
1	CONDUIT MATERIAL UPDATED	J.C.	OCT'09	A.T.	S.C.
AMENDMENTS					



DES	I.PURVES	POWER STANDARD DRAWING		
DRN	G.R./A.D.	THREE TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 2 CONSTRUCTION DETAILS SHEET 2 OF 3		
CKD	S.LEACH			
APPD	F.ROBSON			
SCALE	1:50			
ISSUED	MARCH '98	A3	DRAWING NUMBER	S02-2-7-40
ALL DIM. IN mm				
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT