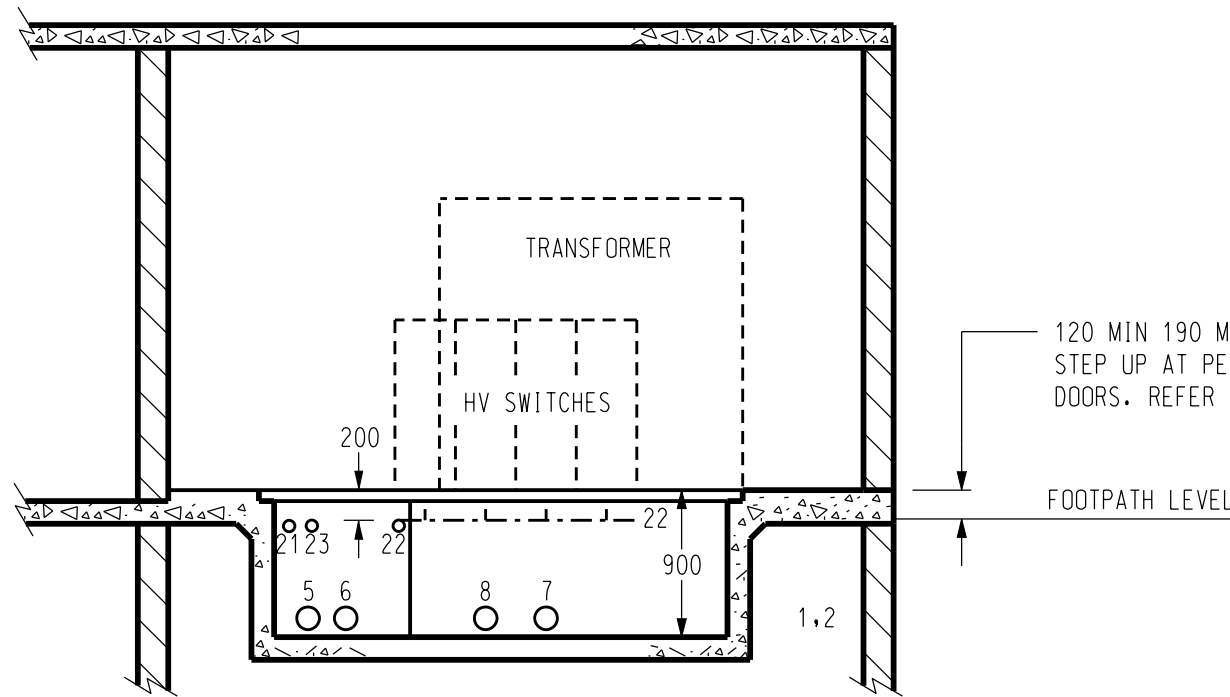


**SECTION B-B** SCALE 1:50



**SECTION F-F** SCALE 1:50

**NOTE**

1. SUBSTATION PLAN CAN BE MIRROR IMAGED TO SUIT THE CUSTOMERS 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.

|  |                          |
|--|--------------------------|
| INDOOR SUBSTATION EARTHING LAYOUT  | S02-2-7-46               |
| INDOOR SUBSTATION SURFACE CHAMBER CABLE TRAY DETAILS   | S02-2-7-48<br>S02-2-7-49 |
| INDOOR SUBSTATION SURFACE CHAMBER LOUVRED DOOR DETAILS   | S02-2-7-02<br>S02-2-7-03 |
| INDOOR SUBSTATION SURFACE CHAMBER CONSTRUCTION NOTES   | S02-2-7-00               |
| THREE TRANSFORMER INDOOR SUBSTATION SURFACE CHAMBER - OPTION 1 CONSTRUCTION DETAILS SHEET 1 OF 4 | S02-2-7-35               |
| CONSTRUCTION DETAILS SHEET 2 OF 4  | S02-2-7-36               |
| CONSTRUCTION DETAILS SHEET 4 OF 4  | S02-2-7-38               |
| <b>REFERENCE DRAWING</b>   | <b>DRWG. No.</b>         |

| No.     | DIA. mm | MAT       | BEND RAD. | REMARKS                    |
|---------|---------|-----------|-----------|----------------------------|
| 23      | 50      | CAT.A PVC |           | CONTROL CABLES             |
| 21,22   | 50,65   | CAT.A PVC |           | HV SW/GR EARTH, HV HEATERS |
| 12-20   | 150     | CAT.A PVC | 1200      | LV TO CONSUMER             |
| 10,11   | 150     | CAT.A PVC | 1200      | LV TO STREET NETWORK       |
| 7,8,9   | 150     | CAT.A PVC | 1200      | HV TO TRANSFORMER          |
| 5,6     | 150     | CAT.A PVC | 760       | PIT CONNECTION             |
| 1,2,3,4 | 150     | CAT.A PVC | 1200      | HV FEEDERS                 |

**CONDUIT SCHEDULE**

| NO                | DESCRIPTION   | DRN  | DATE   | CKD  | APPD |
|-------------------|---|------|--------|------|------|
| 2                 | NOTE 2 AMENDED, 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. |
| <b>AMENDMENTS</b> |   |      |        |      |      |



|                               |           |   |                           |                   |
|-------------------------------|-----------|---|---------------------------|-------------------|
| DES                           | I.PURVES  | POWER STANDARD DRAWING  |                           |                   |
| DRN                           | G.R./A.D. | <b>INDOOR SUBSTATION<br/>THREE TRANSFORMER ARRANGEMENT<br/>SURFACE CHAMBER - OPTION 1<br/>CONSTRUCTION DETAILS SHEET 3 OF 4</b> |                           |                   |
| CKD                           | S.LEACH   |   |                           |                   |
| APPD                          | F.ROBSON  |   |                           |                   |
| SCALE                         | 1:50      |   |                           |                   |
| ISSUED                        | MARCH '98 | <b>A3</b>   | <b>DRAWING<br/>NUMBER</b> | <b>S02-2-7-37</b> |
| ALL DIM. IN mm                |           |   |                           |                   |
| DRAFTING STANDARD TO A.S.1100 |           | CAD PRODUCT - DO NOT AMEND MANUALLY   |                           |                   |