

Issued for Production  
27 JAN 2023  
QA DEPT  
CONTROLLED  
IF GREEN

**1. HV WINDING**

|                  |   |                    |           |
|------------------|---|--------------------|-----------|
| CONDUCTOR        | - | COPPER RECTANGULAR | 4.3x9.3x2 |
| CONDUCTOR WEIGHT | - | 662.9kg            |           |
| NUMBER OF LAYERS | - | 7                  |           |

**2. HV WINDING INSULATION**

|                   |   |                             |  |
|-------------------|---|-----------------------------|--|
| INSULATION THK.   | - | (2x0.15DDP+0x0.25DDP)x798mm |  |
| EDGE STRIP SIZE   | - | #VALUE! ES                  |  |
| INSULATION WEIGHT | - | 5kg                         |  |

**3. COOLING DUCTS**

|              |   |                            |  |
|--------------|---|----------------------------|--|
| DUCT-1 SIZE  | - | FULL CD - 4.5x1302x798mmx1 |  |
| STICKS COUNT | - | 69                         |  |
| POSITION     | - | 2&3                        |  |
| DUCT-2 SIZE  | - | 2/3 CD - 4.5x460x798mmx2   |  |
| STICKS COUNT | - | 24                         |  |
| POSITION     | - | 4&5                        |  |

**4. HV LV BARRIER**

|           |   |                                  |  |
|-----------|---|----------------------------------|--|
| SIZE      | - | TOTAL HT. 11.75+TOL. 0.75=12.5mm |  |
| REFER DWG | - | DRW/CT-2237/80-2                 |  |

**5. SHIELD AT START (CORE SIDE)**

|          |   |                  |  |
|----------|---|------------------|--|
| REF. DWG | - | DRW/CT-2237/80-2 |  |
|----------|---|------------------|--|

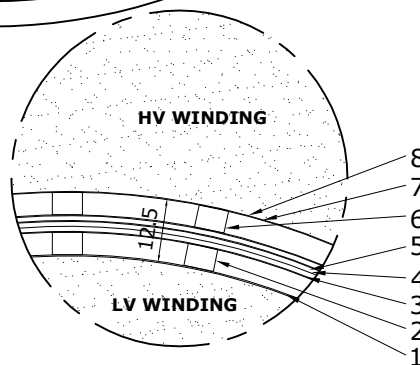
**6. SHIELD AT START (TAPPING SIDE)**

|          |   |                  |  |
|----------|---|------------------|--|
| REF. DWG | - | DRW/CT-2237/80-2 |  |
|----------|---|------------------|--|

**HV COIL RESISTANCE:** 0.0803 @ 75C AT NOMINAL TAPPING

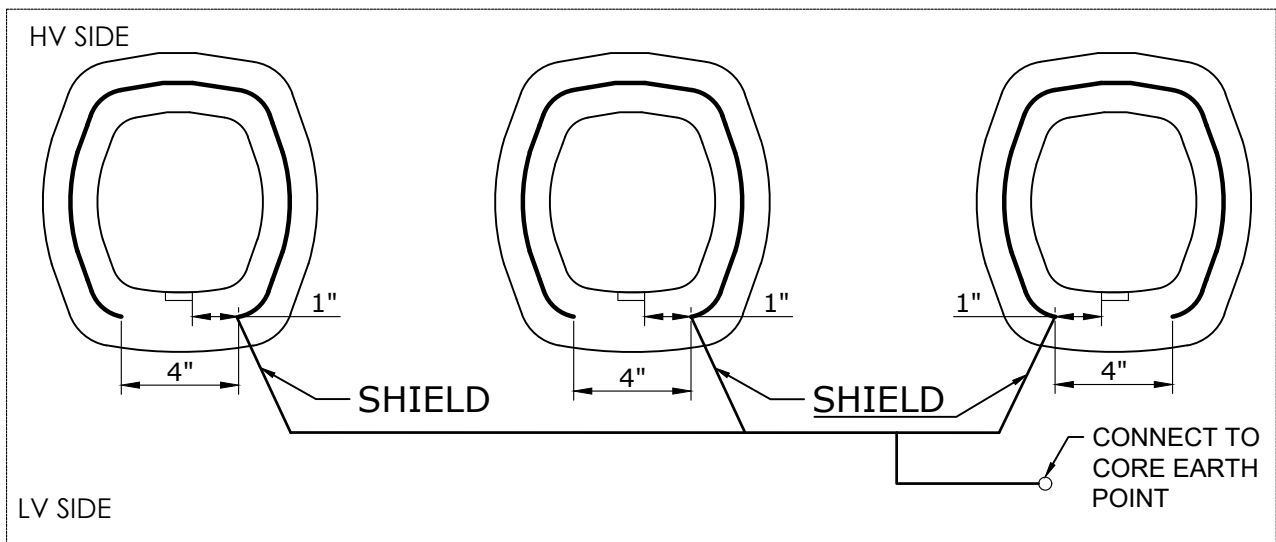
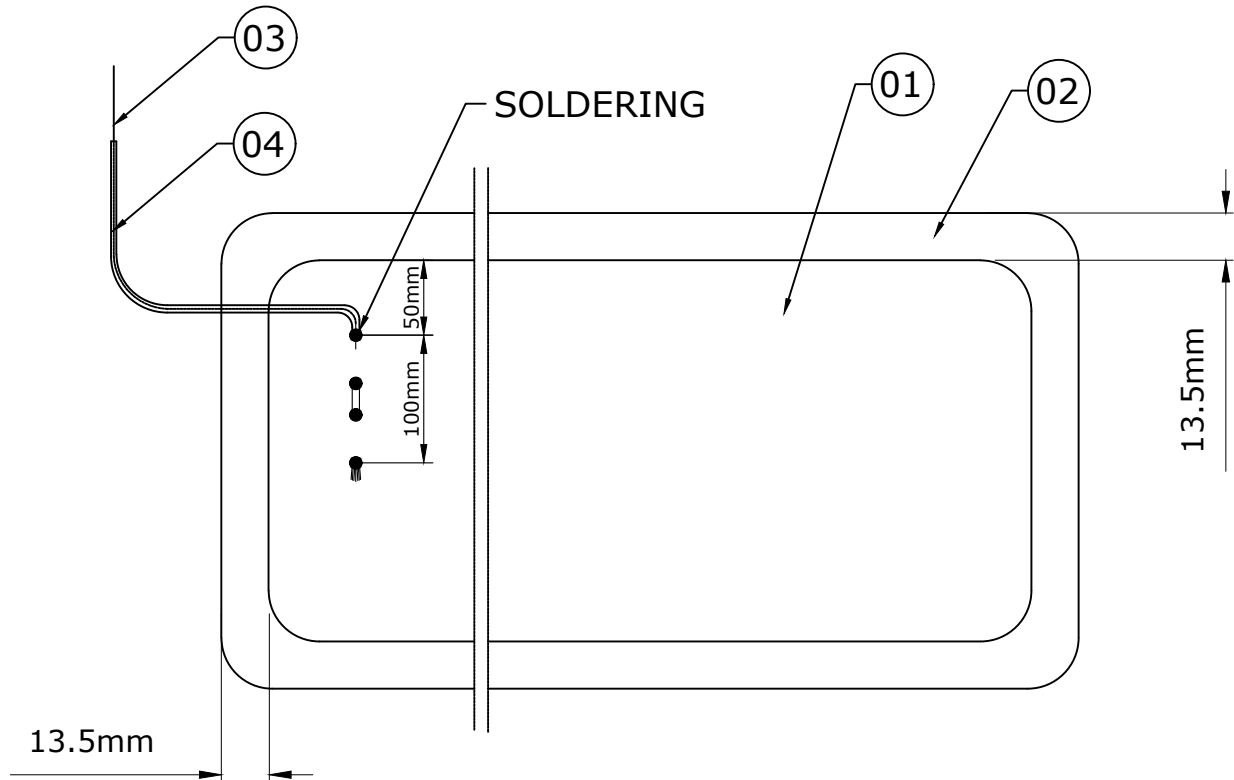
TABLE 4-1-1  
SOLAR BARRIER CONSTRUCT STEPS

1. DDP 0.15x2
2. CD 4.5mm
3. DDP 0.15x2
4. 0.1mm CU. FOIL
5. DDP 0.15x2
6. CD 4.5mm
7. PB 1mm
8. DDP 0.25x3  
+  
TOL. 0.75mm



| REV                             | DATE       | DRAWN           | DESCRIPTION | APPROVED BY |
|---------------------------------|------------|-----------------|-------------|-------------|
| 1                               |            |                 |             |             |
| 2                               |            |                 |             |             |
| 3                               |            |                 |             |             |
| 4                               |            |                 |             |             |
| 5                               |            |                 |             |             |
| 6                               |            |                 |             |             |
| 7                               |            |                 |             |             |
| 8                               |            |                 |             |             |
| PROJECT: INSEE SIAM CITY CEMENT |            |                 |             |             |
| TITLE: HV WINDING TOP           |            |                 |             |             |
| 2000kVA 3.3kV/440V TRANSFORMER  |            |                 |             |             |
| DESIGNED BY:                    | SCALE      | N T S           | SIZE:A4     | UNITS:mm    |
| REVIEWED BY:                    | DRAWN BY   | PRASHANTH       | DESIGN NO:  |             |
| APPROVED BY:                    | DRAWING NO | DRW/CT-2237/4-1 | DATE        | 2023/01/24  |
|                                 |            |                 | REV: 00     |             |


[illegible]



| ITEM | DESCRIPTION             | DIMENSION  |
|------|-------------------------|--|
| 01   | FOIL FOR STATIC SHIELD  | WIDTH= 740mm , THICKNESS= 0.1mm LENGTH= 1090mm (CHECK) |
| 02   | INSULATION OF THE FOIL  | 0.13mm DDP WIDTH = 27mm AROUND THE FOIL                |
| 03   | TAPPING WIRE            | DIAMETER= 0.61mm                                       |
| 04   | TAPPING WIRE INSULATION | DIAMETER= 6/8mm  |

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|--|------------|------------------|-------------------------|-------------|
| REV:   | DATE       | DRAWN:           | DESCRIPTION             | APPROVED BY |
|  <b>LTL Transformers (Pvt) Ltd</b><br>154/11, Railway Station Road, Angulana, Moratuwa, Sri Lanka |            |                  |                         |             |
| PROJECT: SIAM CITY CEMENT  |            |                  |                         |             |
| TITLE: <b>ELECTROSTATIC SHIELD</b>   |            |                  |                         |             |
| 2000kVA 3.3kV/ 440V TRANSFORMER  |            |                  |                         |             |
| DESIGNED BY:   | SCALE      | N T S            | SIZE: A4                | UNITS: mm   |
| REVIEWED BY:   | DRAWN BY   | PRASHANTH        | DESIGN NO: 20003.3440EU |             |
| APPROVED BY:   | DRAWING NO | DRW/CT-2057/56-1 | DATE                    | 2021/01/26  |
|  |            |                  | REV: 00                 |             |