



NOTE:

- CONCRETE STRENGTH AT 28 DAYS/STONE SIZE : BLINDING = 15/19
FOUNDATION = 25/19
CONCRETE CASTED IN FOUNDATION:
SLUMP VALUE 75mm (TOLERANCE :25mm)
- FOUNDATION TO BE SCABBLED,
APPLY SIKATOP-ARMATEC 610 EPOCHEM TO
ALL SURFACES BEFORE POURING OF NEW CONCRETE.
- 100Y16 TIE 450mm BARS AT 200mm SPACING GROUTED 200mm INTO
EXISTING CONCRETE USING FISHER INJECTION MORTAR FIS
TO MANUFACTURES SPECIFICATIONS. CEMENT/ SAND NOT ALLOWED.
- IN SITU MATERIAL TO BE COMPACTED TO 93% MOD AASHTO
DENSITY AT OMC.

| ITEM AND No OFF | BARS | | | | | | | SHAPE CODE | STANDARD SHAPES BENDING DIMENSIONS mm | | | | | |
|-----------------------|--------------|------|-----|-----------------------|-------|-------------------------|----------------------|---------------|---|---|---|---|---|---|
| | Y or R | DIA. | MK. | No OFF PER ITEM | TOTAL | CUTTING LENGTH mm | TOTAL LENG. mm | | A | B | C | D | E | R |
| BASE. 1 OFF. | Y | 16 | 01 | 100 | 100 | 450 | 450 | 20 | 450 | | | | | |

**DETAILED DESIGN
NOT FOR CONSTRUCTION**

| | | | | | | | | | | |
|--|----------------------|---|-------|------|------|---|--------------------|--|--|--|
| 0 | FIRST ISSUE | | | | | | | | | |
| REV | REVISION DESCRIPTION | | DRAWN | CHKD | AUTH | DATE | REFERENCE DRAWINGS | | | |
| APPROVED BY  | |  Eskom | | | | Eskom Holdings SOC Ltd Reg No 2002/015527/30 | | | | |
| DATE 27/04/2025 | | | | | | | | | | |
| CHECKED BY A. MAYET  | | <div>©</div> <div>MERSEY SUBSTATION 0.54/312 400kV CT FOUNDATION MODIFICATION</div> | | | | | | | | |
| DATE 25/04/2025 | | | | | | | | | | |
| DRAWN BY L. MAKOLA | | | | | | | | | | |
| DATE 03/03/2025 | | | | | | | | | | |
| SCALE 1:25 | | MERS22P10-SE-D71 | | | | SHEET NUMBER | REVISION | | | |
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