

## RAFT FOUNDATION REBAR LAYOUT SCALE: 1:25

| REINFORCEMENT                                  |                  |                          |                     |                      |                  |                |                | BENDING DIMENSIONS FOR SHAPE CODES SABS 82 |                     |                |         |    |
|--|------------------|--------------------------|---------------------|----------------------|------------------|----------------|----------------|--|---------------------|----------------|---------|----|
| Member   | No<br>OF<br>Mbrs | No of<br>bars<br>in each | Type<br>and<br>size | Cutting<br>length    | TOTA L<br>NUMBER | Ba r<br>mark   | Shape<br>Code  | A<br>mm                                    | B<br>mm             | C<br>mm        | D<br>mm | E/ |
| RAFT<br>FOUNDATIO<br>REBAR<br>250x450<br>1 No. | 1                | 26<br>8<br>8             | Y10<br>Y12<br>Y12   | 1200<br>2350<br>2000 | 26<br>8<br>8     | 01<br>02<br>03 | 60<br>38<br>38 | 170<br>250<br>250                          | 370<br>1920<br>1550 | (250)<br>(250) |         |    |
|  |                  |                          |                     |                      |                  |                |                |  |                     |                |         |    |
|  |                  |                          |                     |                      |                  |                |                |  |                     |                |         |    |
|  |                  |                          |                     |                      |                  |                |                |  |                     |                |         |    |
|  |                  |                          |                     |                      |                  |                |                |  |                     |                |         |    |
|  |                  |                          |                     |                      |                  |                |                |  |                     |                |         |    |
|  |                  |                          |                     |                      |                  |                |                |  |                     |                |         |    |
| Bar<br>size 8<br>R kg                          | 10               | 12                       | 16                  | 20 2                 | 5 32             | 40             | ТОТ            | A L  |                     |                |         |    |
| Y kg   | 19               | 31                       |                     |                      |                  |                |                | 50   |                     |                |         |    |
|  | 19               | 31                       |                     |                      |                  |                |                | 50   |                     |                |         |    |

## A. GENERAL:

- THE CONTRACTOR SHALL ENSURE THAT WATER-PROOFING MATERIALS ARE NOT DAMAGED DURING BACKFILLING OPERATIONS AND FIXING OF STEEL.
- 2. SHOP FRONTS, PARTITIONS AND WINDOW FRAMES
  ARE TO ALLOW FOR LONG TERM DEFLECTION OF 12mm.
- B. CONCRETE:

1. CONCRETE STRENGTH SHALL BE AT 28 DAYS AS FOLLOWS:

 BLINDING
 15 MPa / 19 mm

 FOUNDATIONS
 30 MPa / 19 mm

 COLUMNS
 30 MPa / 19 mm

 WALLS
 30 MPa / 19 mm

 SURFACE BED
 30 MPa / 19 mm

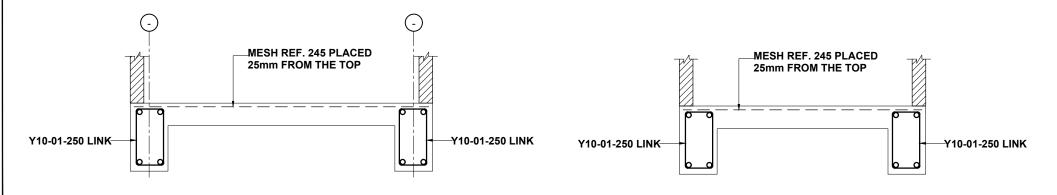
BEAMS/GROUND BEAMS 30 MPa / 19 mm SLABS 30 MPa / 19 mm CONCRETE CAVITY WALLS 20 Mpa / 19mm REINF. EARTH RETAINING WALL 30 Mpa / 19mm

- 2. STRUCTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 3. CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200 G.
- 4. NO BRICK WALLS SHALL BE BUILT ON SUSPENDED FLOOR SLABS UNTIL THE SLABS HAVE REACHED THEIR 14 DAY STRENGTH. AND PROPPING SHOULD BE LEFT IN PLACE FOR 28 DAYS
- 5. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF SABS 1200 G.
- 6. STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200 G.

## C. REINFORCEMENT:

- 1. THE CONTRACTOR SHALL INSPECT AND APPROVE
   THE FIXED REINFORCEMENT BEFORE THE ENGINEER
   IS NOTIFIED ALL REINFORCEMENT SHALL BE INSPECTED
   AND APPROVED IN WRITING BY THE ENGINEER BEFORE
   CASTING OF CONCRETE MAY COMMENCE.
- BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SABS 82.
- 3. REINFORCEMENT SHALL BE FIXED TO COMPLY
  WITH THE TOLERANCES AS SPECIFIED IN
  SABS 1200 G AND/OR THE PROJECT SPECIFICATION.
- 4) MINIMUM CONCRETE COVER TO REINFORCING, EXCEPT WHERE NOTED OTHERWISE ON BENDING SCHEDULES, IS AS FOLLOWS:

FOR INFORMATION



SECTIOM 01-01

SECTIOM 02-02

SCALE: 1:25

REVISIONS

REFERENCE DRAWINGS

CAMPIT APPROVAL

SOUTH APPROVAL

A BREE TO WHARRAN BEACKET

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