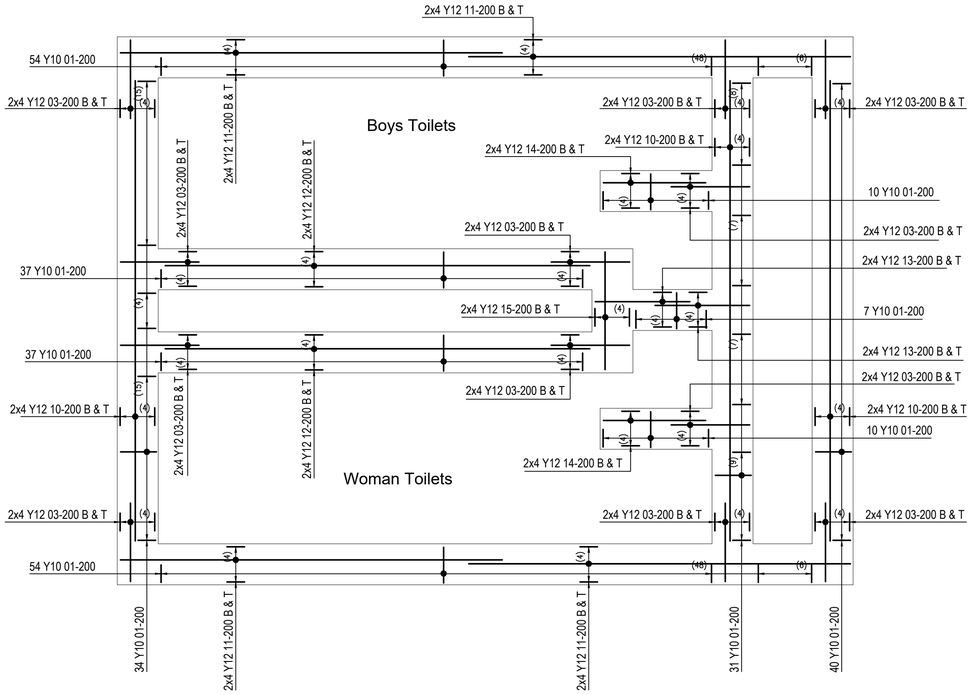
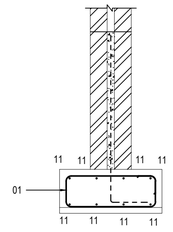



## FOUNDATION LAYOUT

SCALE 1:50




## SECTION A-A

SCALE 1:20

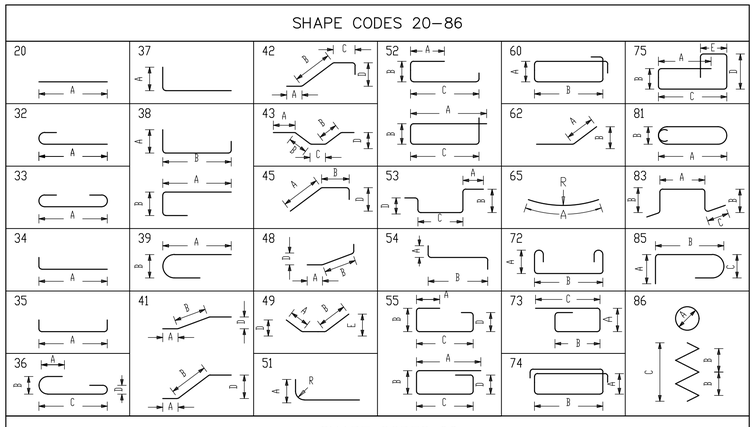
| MEMBER | MARK | TYPE AND SIZE | No. OF MEMBERS | No. PER MEMBER | TOTAL | LENGTH mm | SHAPE CODE | A | B | C | D | E/R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ABLUTION BLOCK FOUBDATION | 01 | Y10 | 1 | 314 | 314 | 1825 | 60 | 220 | 620 | | | |
| | 03 | Y12 | 1 | 96 | 96 | 1450 | 42 | 600 | 150 | 600 | 35 | |
| | 10 | Y12 | 1 | 24 | 24 | 7875 | 20 | | | | | |
| | 11 | Y12 | 1 | 32 | 32 | 6625 | 34 | 6525 | | | | |
| | 12 | Y12 | 1 | 16 | 16 | 7250 | 20 | | | | | |
| | 13 | Y12 | 1 | 16 | 16 | 1725 | 42 | 875 | 150 | 600 | 35 | |
| | 14 | Y12 | 1 | 16 | 16 | 1850 | 34 | 1750 | | | | |
| | 15 | Y12 | 1 | 8 | 8 | 2225 | 35 | 2020 | | | | |

## REINFORCEMENT NOTES:

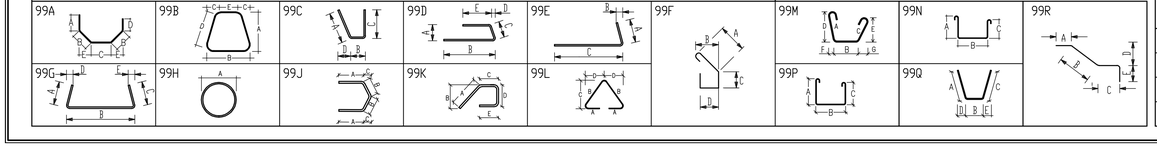
1. MINIMUM CONCRETE COVER TO REINFORCEMENT = 40mm
2. MINIMUM LAP LENGTH TO BE : 45 x SMALLER BAR DIAMETER UNLESS OTHERWISE NOTED.
3. DETAILING AND ABBREVIATIONS IN ACCORDANCE WITH SANS 10144.
4. FOR STEEL SPECIFICATIONS AND BENDING DETAILS REFER TO BENDING SCHEDULE.
5. REFERENCE DRAWINGS:
   CONCRETE DETAILS ..... SHEET 01
   BENDING SCHEDULES ..... SHEET 04
6. ABBREVIATIONS:

| | | |
|---|---|---|
| B1 | = | LOWER BOTTOM STEEL |
| B2 | = | UPPER BOTTOM STEEL |
| T1 | = | UPPER TOP STEEL |
| T2 | = | LOWER TOP STEEL |
| EF | = | EACH FACE |
| OF | = | OUTSIDE FACE |
| IF | = | INSIDE FACE |
| ALT | = | ALTERNATE |
| ABR | = | ALTERNATE BARS REVERSED |
| B | = | BOTTOM STEEL |
| T | = | UPPER TOP STEEL |
| M | = | MIDDLE STEEL |
| IF | = | INSIDE FACE |
| OF | = | OUTSIDE FACE |
| EF | = | EACH FACE |
| EW | = | EACH WAY |

## SHAPE CODES 20–86

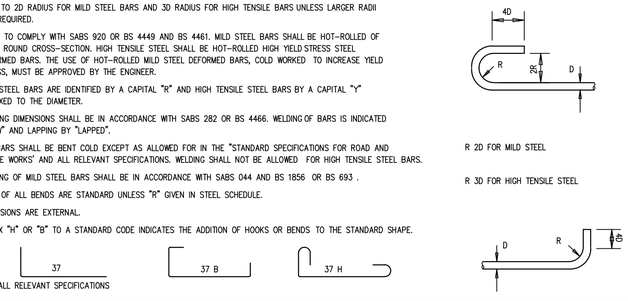



## SHAPE CODES 99




## STANDARD HOOKS AND BENT ENDS

1. BEND TO 2D RADIUS FOR MILD STEEL BARS AND 3D RADIUS FOR HIGH TENSILE BARS UNLESS LARGER RADII ARE REQUIRED.
2. STEEL TO COMPLY WITH SABS 920 OR BS 4449 AND BS 4461. MILD STEEL BARS SHALL BE HOT-ROLLED OF PLAIN ROUND CROSS-SECTION. HIGH TENSILE STEEL SHALL BE HOT-ROLLED HIGH YIELD STRESS STEEL DEFORMED BARS. THE USE OF HOT-ROLLED MILD STEEL DEFORMED BARS, COLD WORKED TO INCREASE YIELD STRESS, MUST BE APPROVED BY THE ENGINEER.
3. MILD STEEL BARS ARE IDENTIFIED BY A CAPITAL "R" AND HIGH TENSILE STEEL BARS BY A CAPITAL "Y" PREFIXED TO THE DIAMETER.
4. BENDING DIMENSIONS SHALL BE IN ACCORDANCE WITH SABS 282 OR BS 4466. WELDING OF BARS IS INDICATED BY "W" AND LAPPING BY "LAPPED".
5. ALL BARS SHALL BE BENT COLD EXCEPT AS ALLOWED FOR IN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" AND ALL RELEVANT SPECIFICATIONS. WELDING SHALL NOT BE ALLOWED FOR HIGH TENSILE STEEL BARS.
6. WELDING OF MILD STEEL BARS SHALL BE IN ACCORDANCE WITH SABS 044 AND BS 1856 OR BS 693 .
7. RADII OF ALL BENDS ARE STANDARD UNLESS "R" GIVEN IN STEEL SCHEDULE.
8. DIMENSIONS ARE EXTERNAL.
9. SUFFIX "H" OR "B" TO A STANDARD CODE INDICATES THE ADDITION OF HOOKS OR BENDS TO THE STANDARD SHAPE.




*) AND ALL RELEVANT SPECIFICATIONS

## SUMMARY

### MILD STEEL

| DIAMETER | | 8mm | 10mm | 12mm | 16mm | 20mm | 25mm | 32mm | 40mm |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL LENGTH FOR SHEET | m | - | - | - | - | - | - | - | - |
| TOTAL LENGTH FOR STRUCTURE | m | | | | | | | | |
| MASS FOR SHEET | kg | - | - | - | - | - | - | - | - |
| TOTAL MASS FOR SHEET | kg | - | | | | | | | |

### HIGH TENSILE STEEL

| DIAMETER | | 8mm | 10mm | 12mm | 16mm | 20mm | 25mm | 32mm | 40mm |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL LENGTH FOR SHEET | m | - | - | - | - | - | - | - | - |
| TOTAL LENGTH FOR STRUCTURE | m | | | | | | | | |
| MASS FOR SHEET | kg | - | 380.184 | 679.960 | - | - | - | - | - |
| TOTAL MASS FOR SHEET | kg | 1060.144 | | | | | | | |

### MESH

| REF | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL AREA FOR SHEET | $m^2$ | | | | | | | | |
| MASS FOR SHEET | kg | | | | | | | | |
| TOTAL MASS FOR SHEET | kg | | | | | | | | |

FOR TENDER

CURRENT DRAWING ISSUED TO:

CLIENT

CLIENT:

Northern Cape Department of Education


Pvt Bag X5049, Kimberly, 8301, South Africa

IK Nkoane Education House
156 Barkly Road
Homestead, Kimberly
8301


| REV. | DATE | BY | DESCRIPTION | CHK | APD |
|---|---|---|---|---|---|
| 01 | 29-05-2026 | J.N | ISSUED FOR TENDER | T.N | W.K |
| 00 | 15-04-2026 | J.N | ISSUED FOR DETAILED DESIGN REVIEW | T.N | W.K |

DRAWING STATUS:

DETAILED DESIGN


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CLIENT:

**HOERSKOOL ADAMANTIA HIGH SCHOOL**

ARCHITECT:

R.Kakono PrArch 48791029

PROJECT:

**PROJECT: Rehabilitation and Construction of Additional Block Classrooms at Hoerskool Adamantia High School, in Kimberly Northern Cape**

TITLE:

**ABLUTION BLOCK**
**STRIP FOOTING FOUNDATION**
**REINFORCEMENT DETAILS**

STAND/ERF No.: ERF ...

| SCALE @ A1: | CHECKED: | APPROVED: |
|---|---|---|
| 1:50 | T.N | W.K |
| DRAWN: | DESIGNED: | DATE: |
| J.N | T.N | 13/04/2026 |

| PROJECT No: | DRAWING No: | REV: |
|---|---|---|
| K250022 | K250022-STR-404 | 01 |

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