





CONCRETE NOTES

1. CONCRETE STRENGTH AT 28 DAYS SHALL BE:

BLINDING - 15 MPa / 19mm
MASS - 15 MPa / 19mm
FOUNDATIONS - 30 MPa / 19mm
GROUNDBEAMS - 30 MPa / 19mm
WALLS - 30 MPa / 19mm
CAVITY WALL INFILL - 15 MPa / 19mm
BEAMS - 30 MPa / 19mm
SURFACE BEDS - 30 MPa / 19mm
STAIRS - 30 MPa / 19mm

SLABS (SUSPENDED) -30 MPa / 19mm

- NO CONCRETE SHALL BE POURED UNTIL THE EXCAVATION, BLINDING, FORMWORK AND/OR REINFORCEMENT ETC. HAS BEEN INSPECTED AND APPROVED IN WRITING BY THE ENGINEER. ENGINEER TO BE GIVEN A MINIMUM OF 48-HOURS' NOTICE OF SUCH AN INSPECTION.
- THE CONTRACTOR MUST CO-ORDINATE ALL SERVICES DRAWINGS FOR DETAILS AND POSITIONS OF OPENINGS AND SLEEVES REQUIRED FOR STORMWATER, SEWERAGE, DRAINAGE, ELECTRICAL, MECHANICAL AND OTHER SERVICES. DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF ENGINEER AND OTHER RELEVANT PARTIES.
- THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE ENGINEER BEFORE ANY OPENINGS OR SERVICES, WHICH ARE NOT INDICATED ON THE DRAWINGS, MAY BE INTRODUCED THROUGH ANY STRUCTURAL ELEMENT OR CLOSE TO ANY COLUMN.
- CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200 G CLAUSE 5.5.8. THE CONTRACTOR TO PROVIDE A METHOD STATEMENT, TO BE APPROVED BY ENGINEER, FOR THE CURING PROCEDURES OF THE VARIOUS ELEMENTS CONCERNED BUT ALL SURFACES TO BE KEPT CONTINUOUSLY DAMP FOR AT LEAST 7 DAYS AFTER CASTING. CONCRETE SLABS TO BE COVERED WITH MOIST SAND OR COVERED WITH PLASTIC MEMBRANE DURING THIS PERIOD. CONCRETE COLUMNS TO BE WRAPPED IN A PLASTIC MEMBRANE DURING THIS PERIOD.
- 6. STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200 G CLAUSES 5.2.5 AND TABLE 2 AS REPRODUCED IN THE STRUCTURAL NOTES AND SPECIFICATIONS.
- 7. PROPPING MAY ONLY BE REMOVED ONCE SUSPENDED SLABS OR BEAMS HAVE OBTAINED THEIR 28 DAY STRENGTH, U.O.N. ALL SUSPENDED SLABS AND BEAMS TO BE BACK-PROPPED FOR TWO (2) COMPLETED LEVELS BELOW THE PROPPED LEVEL OF THE RELEVANT BEAM OR SLAB.
- 8. DOWNSTAND AND UPSTAND BEAM DIMENSIONS ARE GIVEN AS B x A WHERE:

A = TOTAL DEPTH OF BEAM INCLUDING SLAB THICKNESS B = WIDTH OF BEAM

- CONCRETE POURED IN EXCESS OF THREE METERS HIGH WILL NOT BE ACCEPTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- 10. ALL COLUMNS ARE PLACED SYMMETRICALLY ON GRID LINES U.O.N.
- 11. 20x20mm CHAMFERS TO ALL VISIBLE EDGES U.O.N.
- 100mm KICKERS FOR COLUMNS AND WALLS HAVE BEEN ALLOWED FOR IN THE REINFORCING LENGTHS. THEY SHALL BE CAST WITH THE SAME STRENGTH AS THE CONCRETE ELEMENTS BELOW THEM AND THOROUGHLY COMPACTED AND CURED.

SCALE BAR

10mm 20mm 30mm 40mm 50mm

NOTES

CONTRACTORS MUST VERIFY ALL LEVELS AND DIMENSIONS ON SITE BEFORE COMMENCING WORK OR MAKING ANY SHOP DRAWINGS.

USE WRITTEN DIMENSIONS IN PREFERENCE TO SCALED DIMENSIONS.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ANY RELEVANT CONSULTANTS DRAWINGS. ANY DISCREPANCIES AND OR ERRORS TO BE REPORTED TO ARCHITECT.

THE DESIGN ON THIS DRAWING REMAINS THE PROPERTY OF THE ARCHITECT. COPYRIGHT IS STRICTLY RESERVED. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND. ANY DISCREPANCY MUST IMMEDIATELY BE REPORTED TO THE ARCHITECT. DIMENSIONS TAKE PREFERENCE TO THE SCALED DRAWINGS.



ISSUED FOR COMMENT

Client
IKHALA TVET COLLEGES

higher education
& training
Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

INFORMATION
TENDER
CONSTRUCTION
COSTING
APPROVAL
COMMENT
LOCAL AUTHORITY APPROVAL

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Project name

IKHALA TVET COLLEGES - CARPORT B

SOMERSET STR, ALIWAL NORTH EASTERN CAPE, 9750

Drawing name

CONCRETE LIFT SHAFT

Project no. Drawing no. Rev
25004 LIFT25_01- A

Date Scale Drawn Checked Workstage
07/05/25 OM - CONCEPT