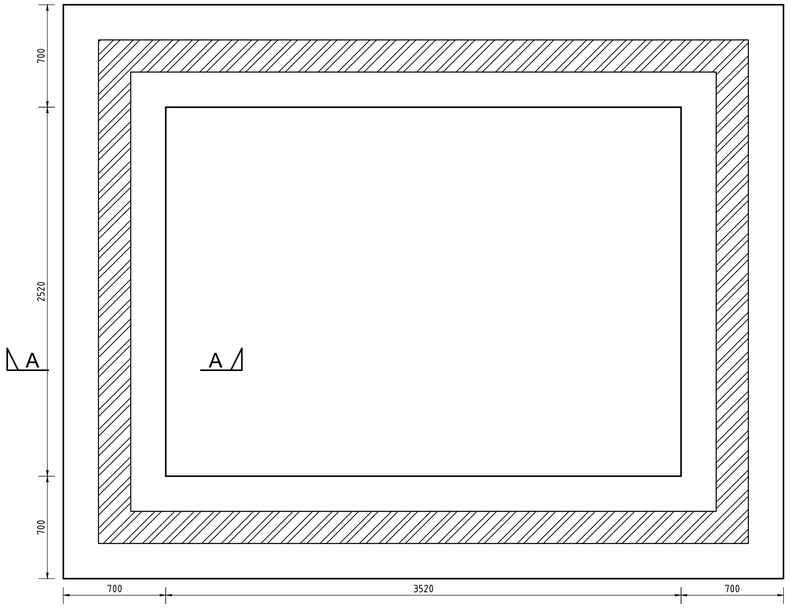
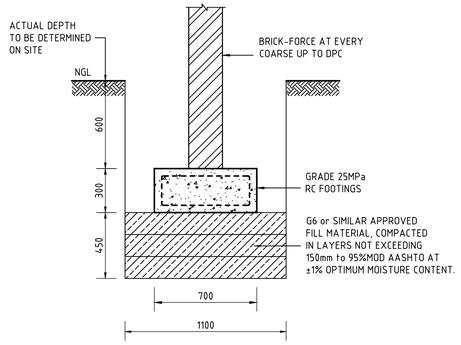


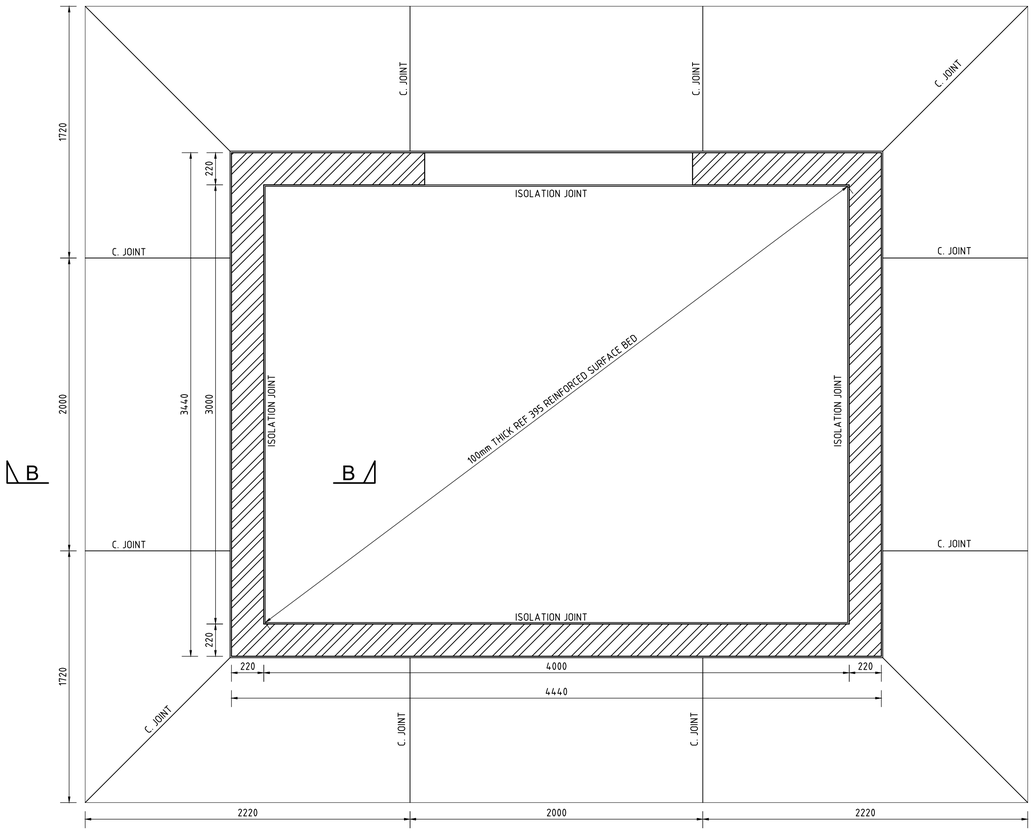
FOUNDATION LAYOUT

SCALE 1:20



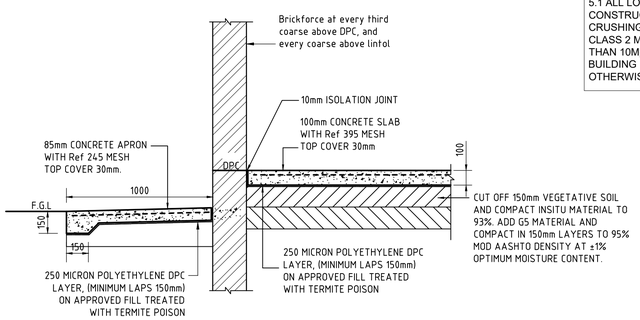
SECTION A-A

SCALE 1:20



GROUND FLOOR LAYOUT

SCALE 1:20



SECTION B-B

SCALE 1:20

GENERAL NOTES:

1.1. REFER TO ALL RELEVANT DRAWINGS AND SPECIFICATIONS, DO NOT SCALE ANY DIMENSIONS.
1.2. WHERE DISCREPANCIES OCCUR BETWEEN THE PROJECT DRAWING OR SPECIFICATIONS, THESE SHOULD BE REPORTED IMMEDIATELY TO THE PRINCIPAL AGENT.
1.3. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ARCHITECT'S DRAWING BEFORE CONSTRUCTION COMMENCES.
1.4. ALL WATERPROOFING AND EARTH POISONING DETAILS TO BE IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATION AND INSTRUCTIONS.
1.5. ALL BEAMS DEPTH INCLUDES SLAB THICKNESS.
1.6. IF ANY INSTRUCTION ON THIS DRAWING CANNOT BE COMPLIED WITH, THE MATTER MUST BE REFERRED TO THE ENGINEER FOR A RULING.
1.7. THE CONTRACTOR IS REFERRED TO CLAUSE S.5.15 OF S.A.B.S. 1200 G AND MUST KEEP WRITTEN RECORDS OF :-
a) WEATHER CONDITIONS INCLUDING MAXIMUM AND MINIMUM TEMPERATURES.
b) DATE OF CASTING.
c) TIME POUR STARTED.
d) TIME POUR FINISHED.
e) ANY DELAYS DUE TO BREAKDOWNS ETC.
f) POSITIONS OF ANY COLD JOINTS.
1.8. ALL CONCRETE TO BE CAST TO A DEGREE OF ACCURACY 2, UNLESS OTERWISE SPECIFIED BY THE ARCHITECT.
1.9. ALL CONCRETE TO BE CAST TO A CLASS OF FINISH 'ROUGH', UNLESS OTHERWISE SPECIFIED BY THE ARCHITECT.
1.10. CHAMFERS TO UNFINISHED CONCRETE EDGES AS SPECIFIED BY THE ARCHITECT.

FOUNDATIONS:

2.1 EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONCRETE IS CAST.
2.2 ALL FOUNDATIONS TO BE FOUNDED ON THE WEATHERED SHALE BED ROCK OR APPROVED ENGINEERED LAYERS.
2.3 CONCRETE FOR FOUNDATION PURPOSES TO BE CAST BEFORE THE DRYING OF THE EXPOSED TRENCH SURFACES.
2.4 THE FOOTING DEPTH TO BE 300mm UNLESS STATED OTHERWISE

CONCRETE:

3.1 ALL CONCRETE CONSTRUCTION TO BE IN ACCORDANCE THE NATIONAL BUILDING REGULATIONS, SANS 10100, 1200GB, GE & GF AND THE PROJECT SPECIFICATIONS.
3.2 MINIMUM CONCRETE STRENGTHS (MPa) :-

ITEM	28 DAY STRENGTH
RC COLUMNS	30
SLABS ON GROUND	30
PAD & STRIP FOOTINGS	25
BLINDING	15

3.3 NOMINAL CONCRETE AGGREGATE SIZE.....19mm
3.4 ALL CONCRETE TO BE PROPERLY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP FOR AT LEAST 5 DAYS AFTER CASTING.
3.5 CONCRETE CUBE TESTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL.
3.6 MINIMUM COVER TO REINFORCEMENT = 40mm.

FORMWORK:
4.1 STRIPPING TIMES FOR MEMBERS:
COLUMN AND WALL SHUTTERING.....1.5 Days
SLAB PROPS.....14 Days
BEAM PROPS.....21 Days

BRICKWORK:

5.1 ALL LOAD BEARING BRICK WALLS ARE TO BE CONSTRUCTED OF BRICKS HAVING A MINIMUM CRUSHING STRENGTH OF 14 MPa. MORTAR IS TO BE CLASS 2 MORTAR (1:4 CEMENT:SAND BUT NOT LESS THAN 10Mpa) IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS AND SANS 10164 UNLESS OTHERWISE NOTED.

FOR TENDER

DO NOT SCALE

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KEY PLAN

CURRENT DRAWING ISSUED TO:
CLIENT

CLIENT:
Northern Cape Department of Education

Pvt Bag X5049,
Kimberly, 8301,
South Africa

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156 Barkly Road
Homestead, Kimberly
8301

REV	DATE	BY	DESCRIPTION	CHK	APD
02	29-05-2026	J.N	ISSUED FOR TENDER	T.N	W.K
01	15-04-2026	J.N	ISSUED FOR DETAILED DESIGN REVIEW	T.N	W.K
00	13-12-2025	J.N	ISSUED FOR PRELIMINARY DESIGN REVIEW	T.N	W.K

DRAWING STATUS:
DETAILED DESIGN

Kairos engineers & infrastructure developers

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CLIENT:
HOERSKOOL ADAMANTIA HIGH SCHOOL

ENGINEER:
W.Kangara Pr Eng 20190677

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

TITLE:
PUMP HOUSE LAYOUT AND DETAILS

STAND/ERF No.: ERF ...

SCALE @ A1:	CHECKED:	APPROVED:
1:50/ 1:20/ 1:10	T.N	W.K
DRAWN:	DESIGNED:	DATE:
J.N	T.N	13-04-2026

PROJECT No:	DRAWING No:	REV:
K250022	K250022-STR-220	02

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