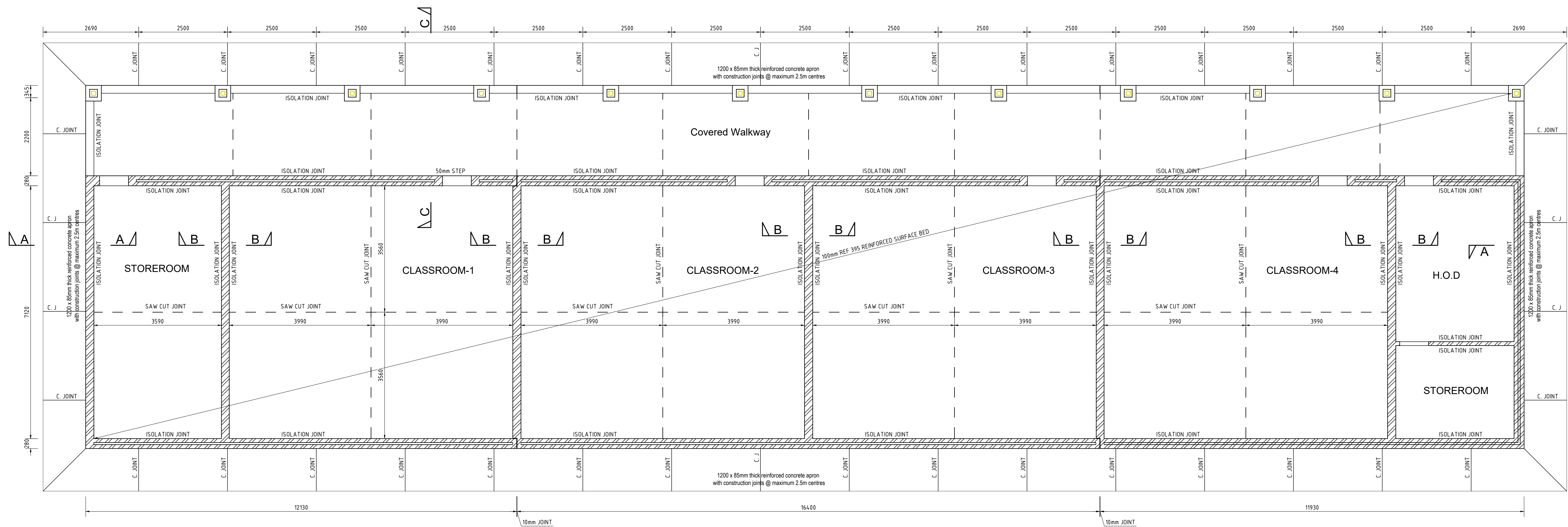
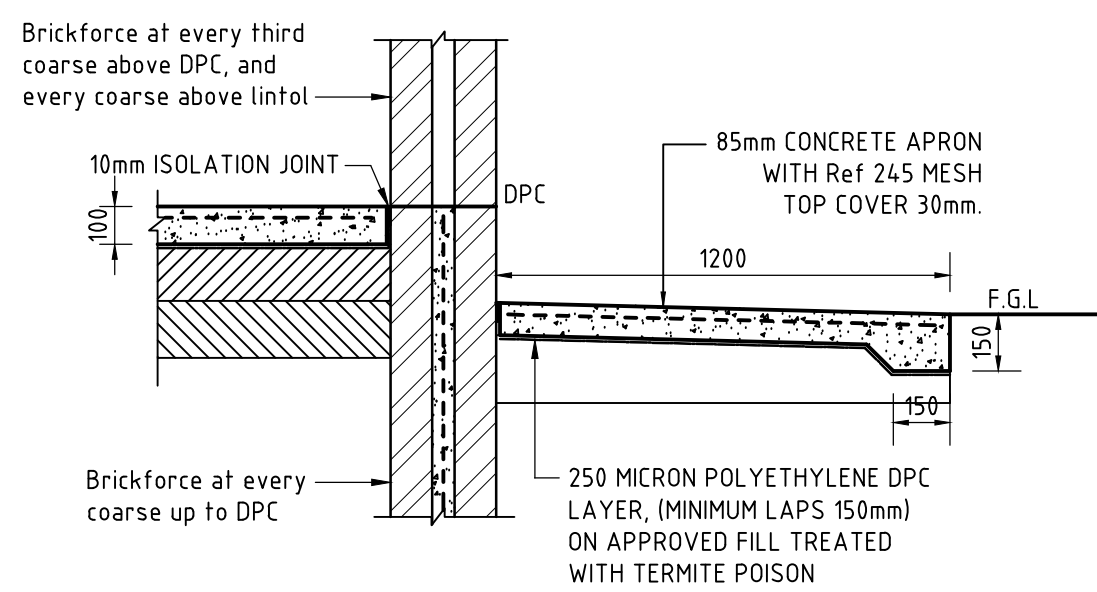
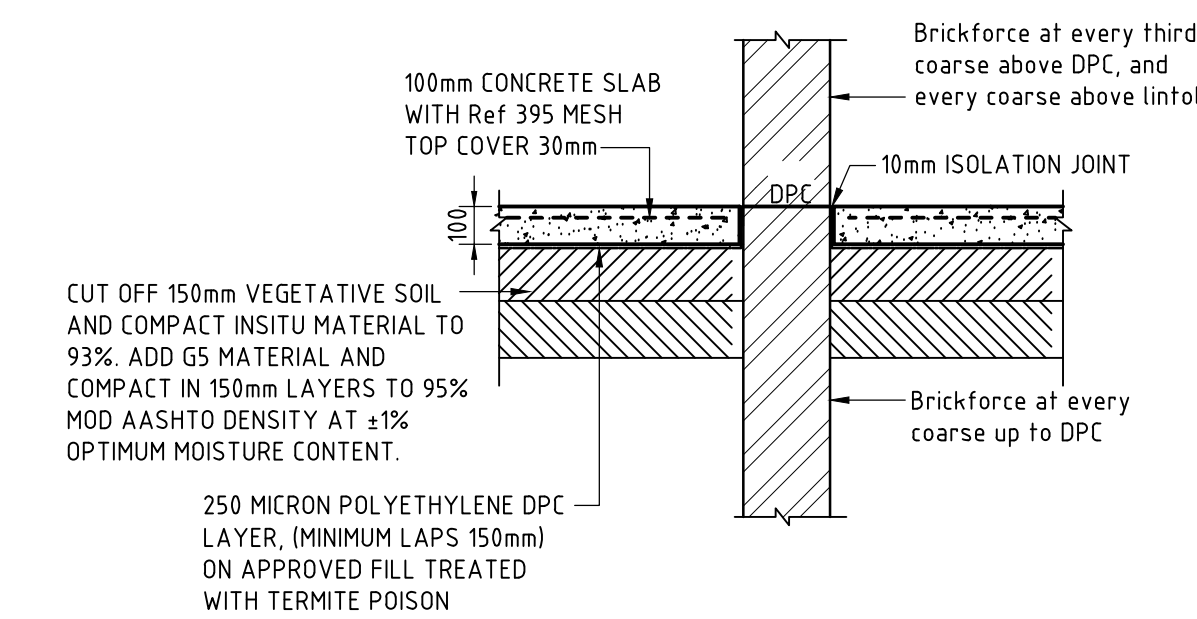




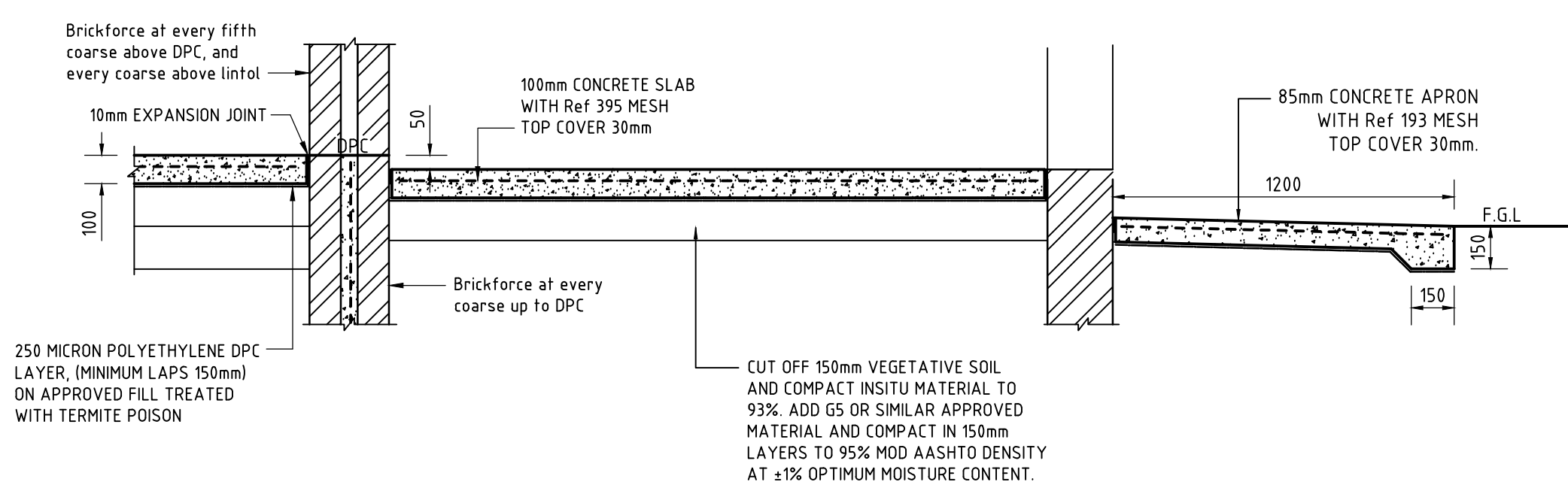
GROUND FLOOR LAYOUT
SCALE 1:50



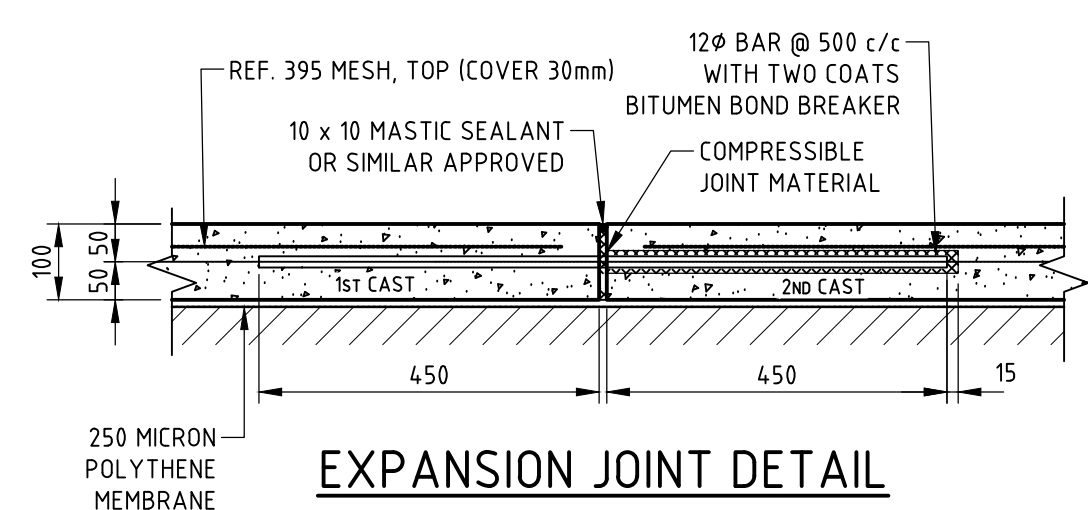
SECTION A-A
SCALE 1:20



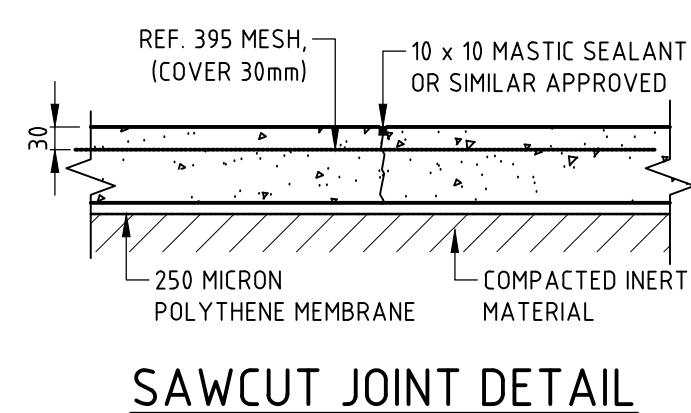
SECTION B-B
SCALE 1:20



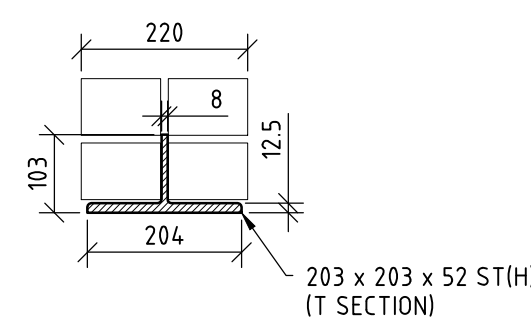
SECTION C-C
SCALE 1:20



EXPANSION JOINT DETAIL
SCALE 1:10



SAWCUT JOINT DETAIL
SCALE 1:10



TYPICAL BRICK LINTOL
SCALE 1:10

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 5.5.15 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 OTHERWISE SPECIFIED BY THE ARCHITECT.
 - 1.9. ALL CONCRETE TO BE CAST TO A CLASS OF FINISH TROUGH, UNLESS OTHERWISE SPECIFIED BY THE ARCHITECT.
 - 1.10. CHAMFERED 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 FOUND 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.

DO NOT SCALE

© COPYRIGHT RESERVED

The contents of this document is both privileged and confidential and may not be disclosed or reproduced without the express authorisation of the author, being "Kairos engineers & infrastructure developers" (Pty) Ltd.

NOTES

KEY PLAN

CURRENT DRAWING ISSUED TO:

CLIENT

CLIENT:



Pvt Bag X5049, Kimberley, 6801, South Africa
IK Nkoane Education House, 156 Barby Road, Homestead, Kimberley, 6801

32	28/05/2026	J.N.	ISSUED FOR TENDER	T.N.	W.X.
31	15/04/2026	J.N.	ISSUED FOR DETAILED DESIGN REVIEW	T.N.	W.X.
30	13/02/2026	J.N.	ISSUED FOR PRELIMINARY DESIGN REVIEW	T.N.	W.X.
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:

DETAILED DESIGN



10 MORRIS STREET WEST
WOODMEAD, SANDTON, 2191, JOHANNESBURG
www.kairosengineers.co.za

Tel: 010 824 00060

CLIENT:

HOERSKOOI 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:

CLASSROOM BLOCK
GROUND FLOOR LAYOUT
AND DETAILS

STANDARD No. EFF:

SCALE @ AS	CHECKED	APPROVED
1:50/1:20	T.N.	W.X.
DRAWN	DESIGNED	DATE
J.N.	T.N.	28/05/26

PROJECT No.	DRAWING No.	REV
K250022	K250022-STR-211	02

© KAIROS engineers & infrastructure developers

FOR TENDER