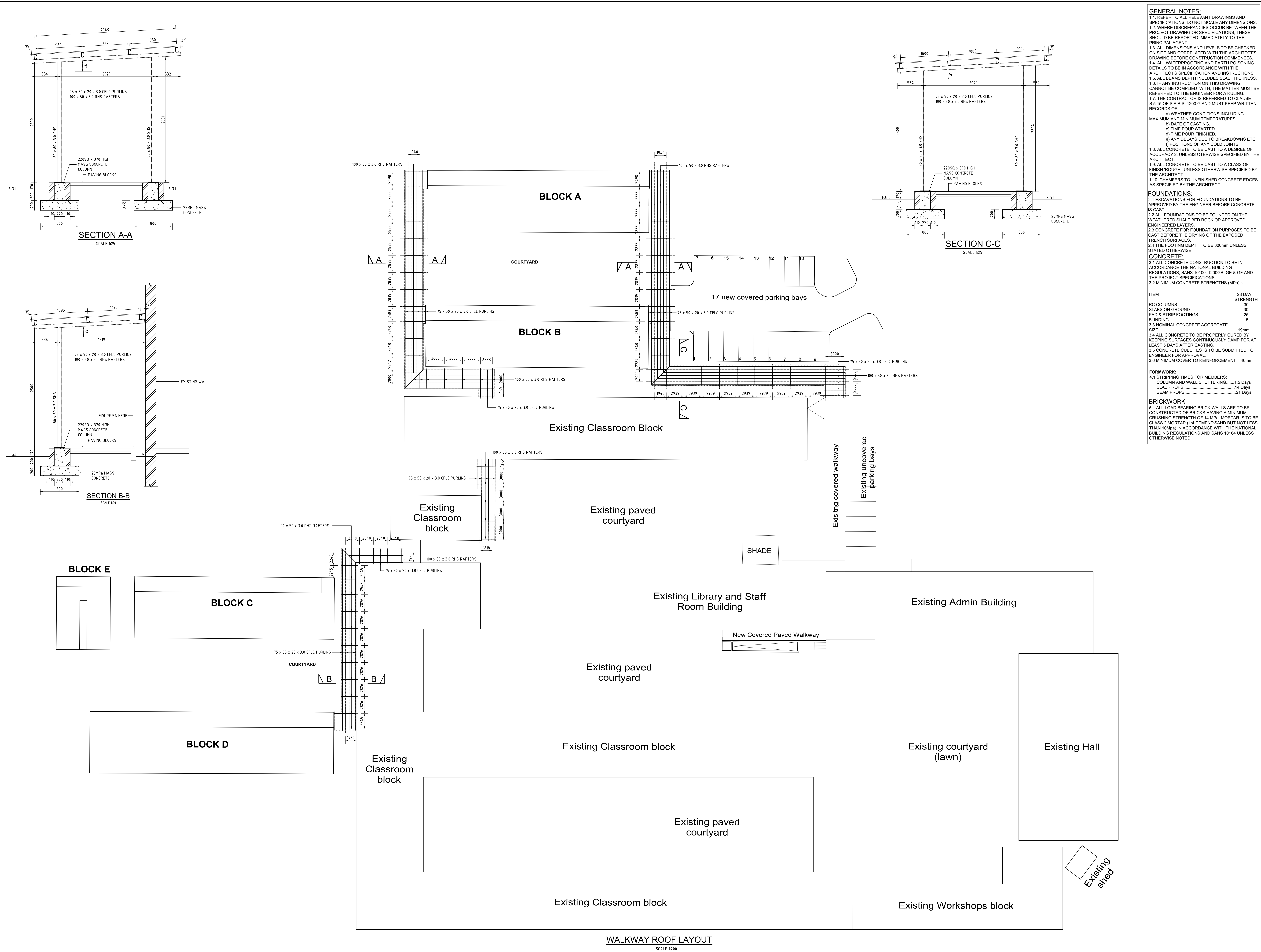




GENERAL NOTES:

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 '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
PAV & 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

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NOTES

STEEL NOTES

- ALL STEEL WORK TO COMPLY WITH SANS 2001/CS16 SANS 1021-3
- ALL WELDS 8MM CONTINUOUS FILLET WELDS UNLESS NOTED OTHERWISE.
- ALL BUTT WELDS FULL PENETRATION WELDS UNLESS NOTED OTHERWISE.
- BOLTS AND NUTS SHALL BE TO SABS 904, 1355 AND 136 UN/D MINIMUM BOLT SIZE TO BE 16MM.
- SLOTING OF HOLES, CUTTING ETC WITH OXYACETYLENE EQUIPMENT WILL NOT BE ALLOWED.
- SUBSTITUTION OF SECTIONS WILL ONLY BE ALLOWED WITH ENGINEER'S APPROVAL.
- STEEL FABRICATOR TO CHECK ALL SETTING OUT DIMENSIONS AND LEVELS PRIOR TO FABRICATION.
- SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
- SITE MEASUREMENTS MUST BE TAKEN BEFORE MANUFACTURE OF THE MEMBERS.
- ANY DISCREPANCIES OR VARIATIONS FROM THE ENGINEER OR ARCHITECT'S DRAWING MUST BE REPORTED.
- DIMENSIONAL ACCURACY OF WORKSHOP DRAWINGS, DESIGN OF CONNECTIONS, SPLICES ETC PROVISION OF TEMPORARY BRACING AND ANY TEMPORARY WORKS NECESSARY TO COMPLETE THE PROJECT, WILL BE THE STRUCTURAL STEELWORK SUPPLIER'S RESPONSIBILITY, BUT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- GUSSETS TO BE 10MM THICKNESS UNLESS NOTED OTHERWISE.
- SCALING-OFF DIMENSIONS IS NOT PERMITTED, FIGURED DIMENSIONS ONLY TO BE USED.
- ALL STEEL WORK IS TO BE ACID CLEANED AND PAINTED IN FACTORY ONE COAT EPOXY BASED PRIMER AND TWO COAT GLOSS PAINT AND ONE COAT GLOSS FINISHING COAT ON SITE. STEELWORK TO BE PROTECTED FROM DAMAGE DURING STORAGE, TRANSPORTATION AND ERECTION. USE OF AN APPROVED GALVANIC PAINT FOR TOUCHING UP ON SITE MAY BE PERMITTED.
- ALL PURLINS AND CLADDING RAILS TO BE PAINTED.
- PROVIDE WELDED 50MM LONG WALL TIES TO COLUMNS AT BRICK FORCE POSITIONS WHERE THE COLUMN IS EMBEDDED IN THE WALL.
- ALL LAYOUTS TO BE READ IN CONJUNCTION WITH ANY RELEVANT ARCHITECTURAL, CIVIL OR OTHER DRAWINGS.
- ANY ERRORS OR DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY FOR CORRECTION BEFORE WORK IS UNDERTAKEN.

KEY PLAN

CURRENT DRAWING ISSUED TO:

CLIENT:

Pvt Bag X5049, Kimberley, 8301, South Africa

IK Nkoane Education House, 156 Barlby Road, Homestead, Kimberley, 8301

REV	DATE	BY	DESCRIPTION	CHK	APP
01	29/05/2026	J.N	ISSUED FOR TENDER	T.N	W.K
02	19/05/2026	J.N	ISSUES FOR DETAILED DESIGN REVIEW	T.N	W.K

DRAWING STATUS: DETAILED DESIGN

10 MORRIS STREET WEST, WOODMEAD, SANDTON, 2191, JOHANNESBURG
www.kairosengineers.co.za
Tel: 010 824 00060

CLIENT: HOERSKOOLOO 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: WALKWAY ROOF LAYOUT AND DETAILS

STANDARD No. REF.	SCALE & AS	CHECKED	APPROVED
1:200 1:20	T.N	W.K	
DRAWN	DESIGNED	DATE	
J.N	T.N	29/05/26	

PROJECT No.	DRAWING No.	REV
K250022	K250022-STR-217	01

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FOR TENDER