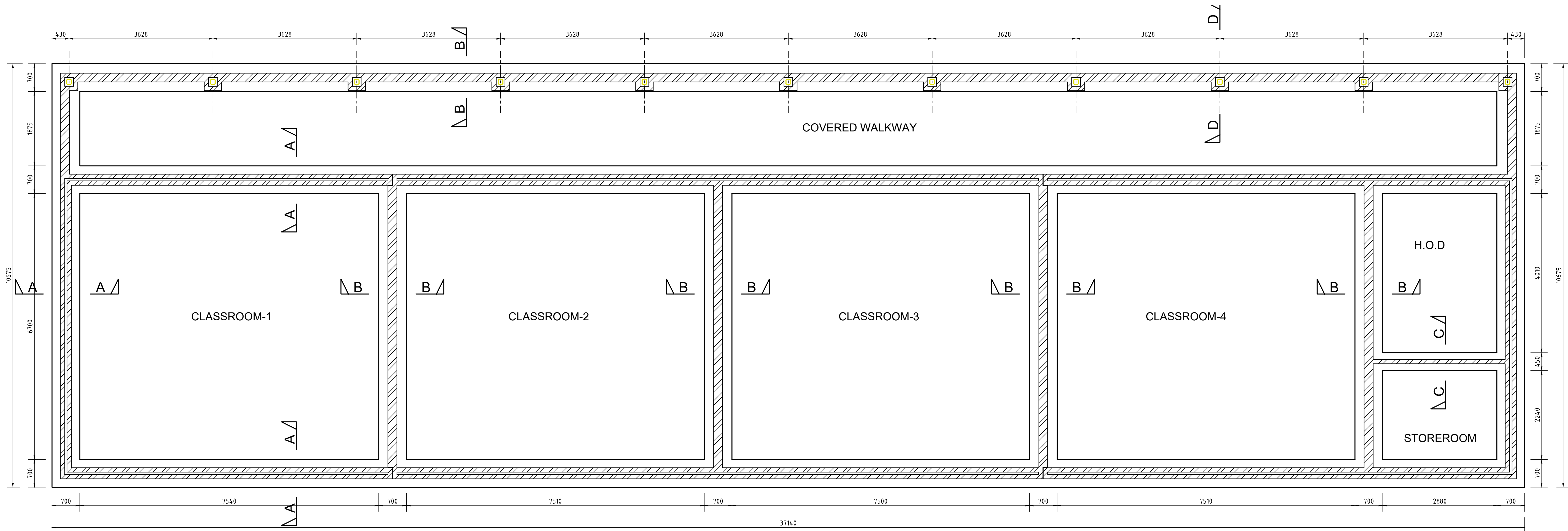
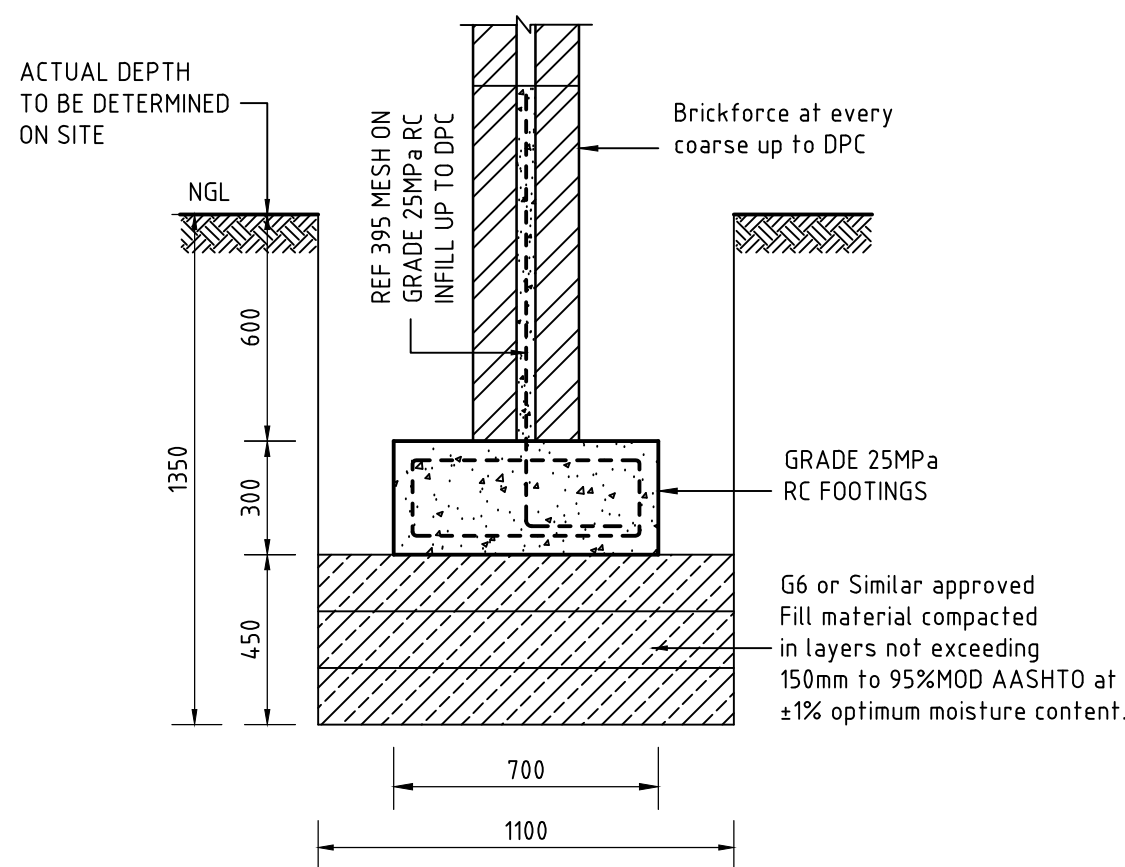
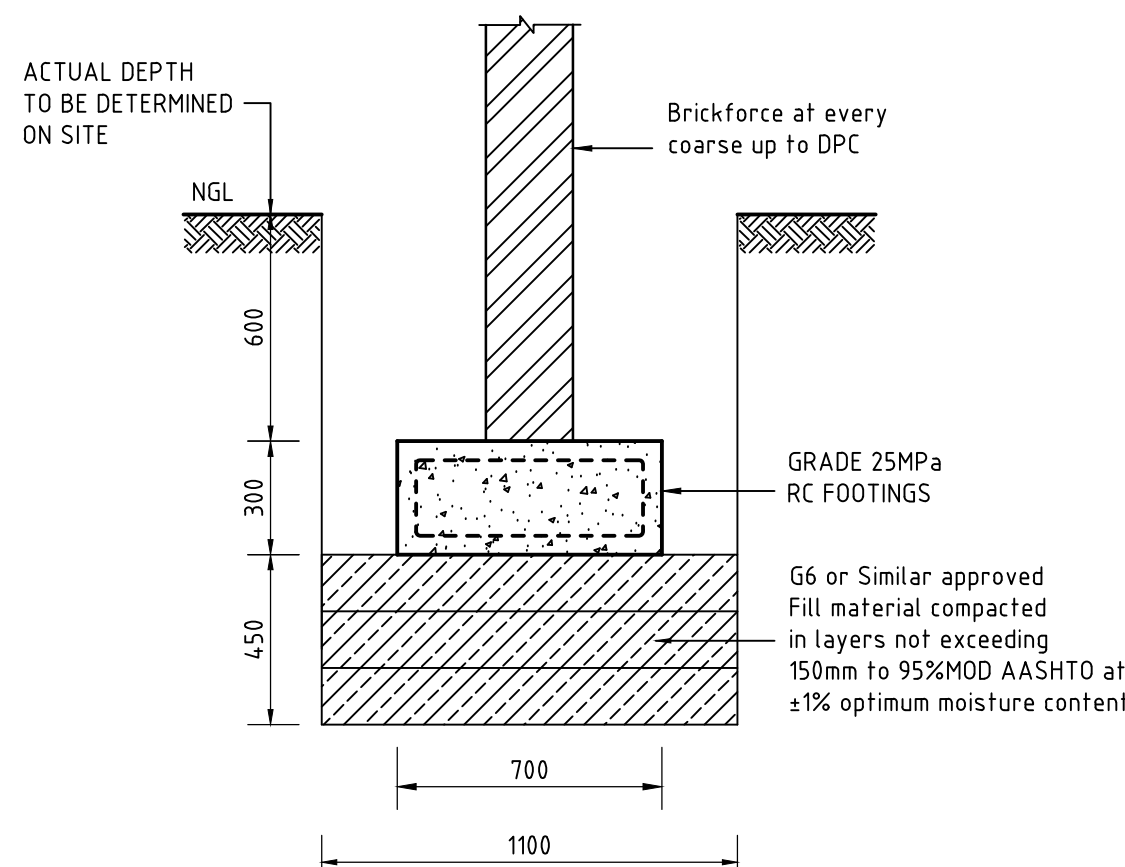




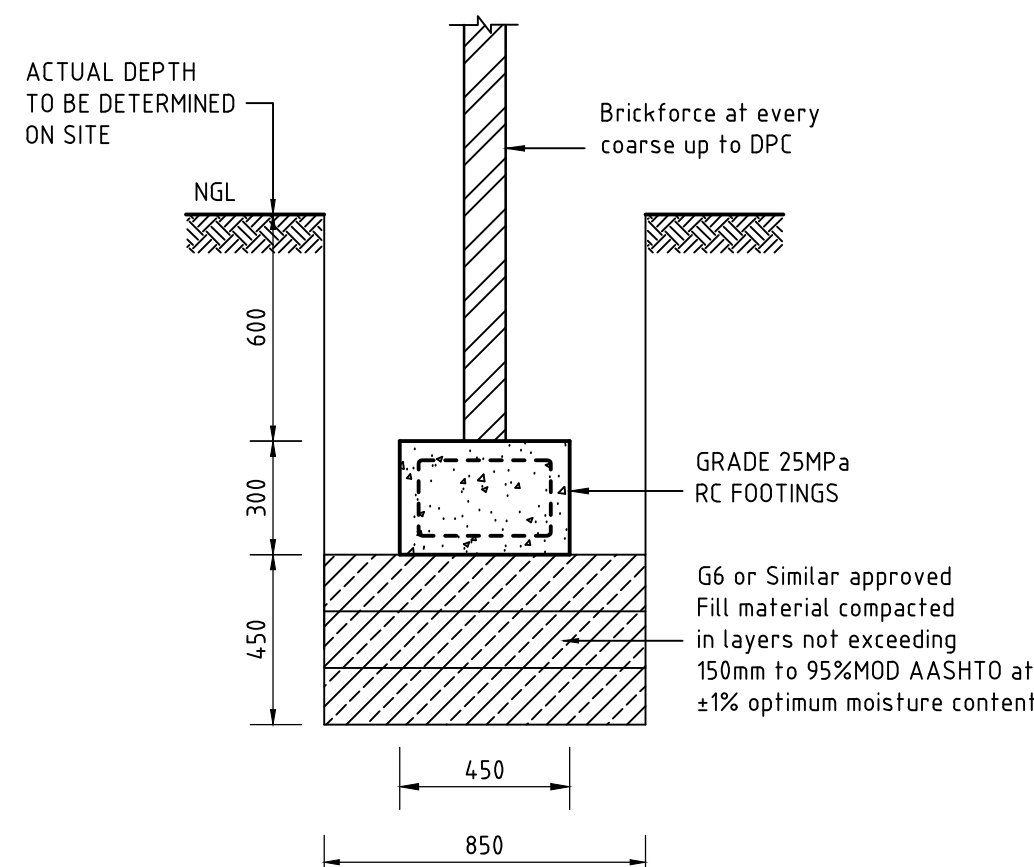
FOUNDATION LAYOUT
SCALE 1:50



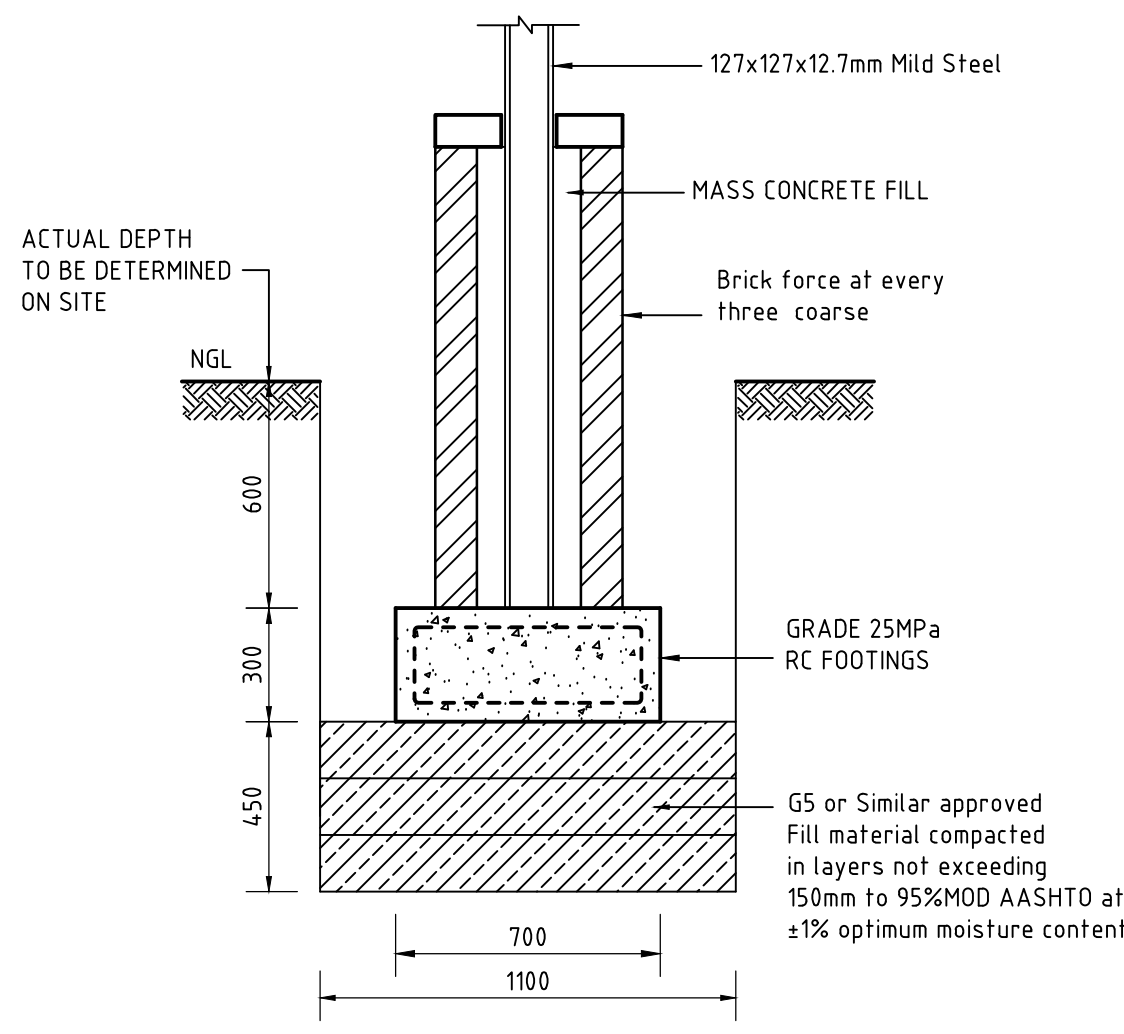
SECTION A-A
(TYPICAL ON CAVITY WALLS)
SCALE 1:20



SECTION B-B
(TYPICAL ON LOAD 220 WALLS)
SCALE 1:20



SECTION C-C
(TYPICAL ON LOAD 110 WALLS)
SCALE 1:20



SECTION D-D
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 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. 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 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:

MEMBER	STRIPPING TIME
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

KEY PLAN

CURRENT DRAWING ISSUED TO:

CLIENT

CLIENT:



Pvt Bag X5049,
Kimberly, 6301,
South Africa

IK Nkoane Education House
156 Barby Road
Homestead, Kimberly
6301

REV	DATE	BY	DESCRIPTION	CHK	APP
02	29/05/2026	J.N.	ISSUED FOR TENDER	T.N.	W.K.
01	08/05/2026	J.N.	BUILDING WARRIOR TO MATCH EDP	T.N.	W.K.
00	15/04/2026	J.N.	ISSUED 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:

CLASSROOM BLOCK A
FOUNDATION LAYOUT
AND DETAILS

STANDARD REF. No. REF.:

SCALE @ AS

1:50 / 1:20

CHECKED

T.N.

APPROVED

W.K.

DRAWN

J.N.

DESIGNED

T.N.

DATE

29/05/26

PROJECT No.

K250022

DRAWING No.

K250022-STR-200

REV.

02

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FOR TENDER