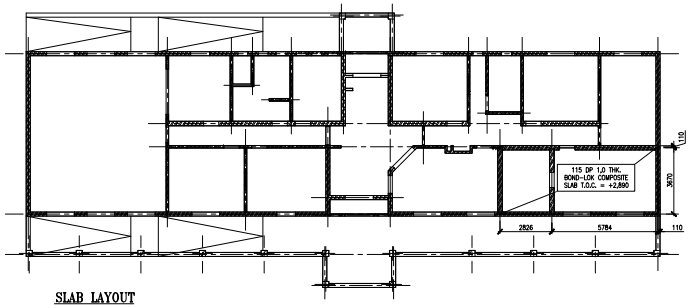
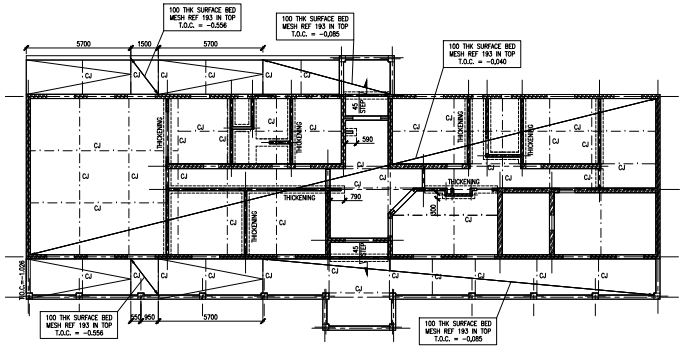
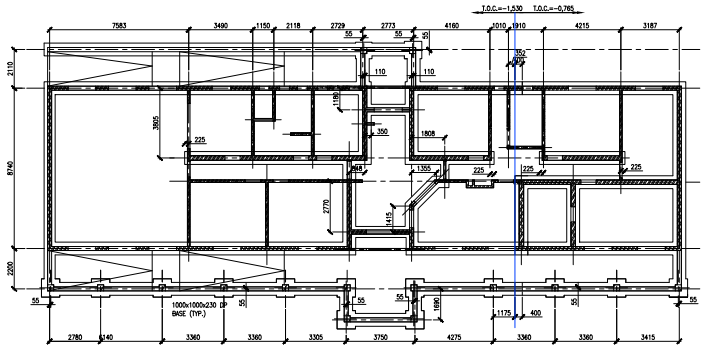


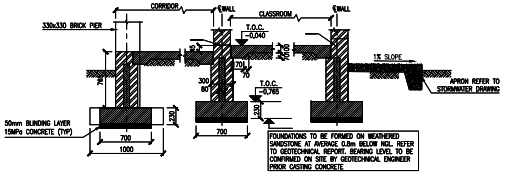
SLAB LAYOUT
SCALE 1:100



SURFACE BED LAYOUT
SCALE 1:100



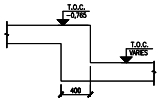
FOUNDATION LAYOUT
SCALE 1:100



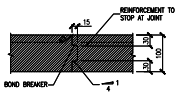
FOUNDATIONS TO BE FORMED ON WEATHERED SANDSTONE AT AVERAGE 0.8m BELOW NGL. REFER TO GEOTECHNICAL REPORT. BEARING LEVEL TO BE CONFIRMED ON SITE BY GEOTECHNICAL ENGINEER PRIOR CASTING CONCRETE

TYP. SECTION THRU CORRIDOR WITH BRICK PIER
SCALE 1:25

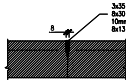
NOTE:
1. GEOTECHNICAL ENGINEER TO CONDUCT ADDITIONAL COLLAPSE POTENTIAL TESTS DURING CONSTRUCTION PHASE ON EXPOSED FOUNDATIONS. THEREFORE, CONTRACTOR MUST CONTACT GEOTECHNICAL ENGINEER TO INDICATE DESIRABLE AREAS INTENDED TO CONDUCT TESTS.
2. RIP AND COMPACT 150mm IN-SITU COMPACTED TO 95% MOD AASHTO DENSITY AT -1% TO +2% OF OPTIMUM MOISTURE CONTENT, TO UNDERSIDE OF ALL FOOTINGS PRIOR CASTING BLINDING LAYER. CONTRACTOR TO CONDUCT AT LEAST 4 (FOUR) TEST PER BLOCK PRIOR PROCEEDING WITH FOOTINGS.



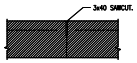
TYP. FOUNDATION STEP DETAIL
SCALE 1:25



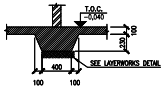
CONSTRUCTION JOINT
SCALE 1:5



EXPOSED SLAB
SCALE 1:5



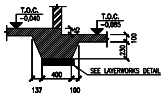
SCREEDED SLAB
SCALE 1:5



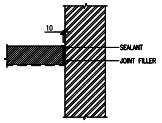
TYP. SECTION THRU THICKENING
(TO 110mm WALL)
SCALE 1:25

CONTRACTION JOINT

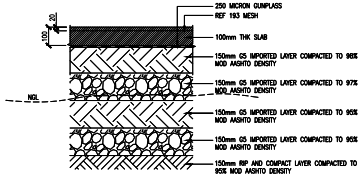
"CJ" INDICATES CONSTRUCTION OR CONTRACTION JOINT TO SUIT CASTING SEQUENCE.



TYP. STEP SECTION DETAIL
SCALE 1:25



ISOLATION JOINT
SCALE 1:10



TYP. SLAB LAYERWORKS
SCALE 1:10

NOTES: GENERAL

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL ARCHITECT'S, ENGINEERS AND SPECIALIST'S DRAWINGS WITH THE RELEVANT SPECIFICATIONS.

   DESIGN MATERIALS USED AND METHOD OF CONSTRUCTION TO BE IN ACCORDANCE WITH SANS 0100, 0137, 0160 – 0164, AS APPLICABLE.

   THIS DRAWING NOT TO BE SCALED.

2. REINFORCED CONCRETE

   THE APPLICABLE STANDARD SPECIFICATION IS SANS 1200 G – 1982.

   CONCRETE COVER TO REINFORCEMENT AND CONCRETE STRENGTH TO BE AS INDICATED BELOW. COVER IS GIVEN TO THE NEAREST FACE. MINIMUM BAR COVER TO BE MAXIMUM OF BAR DIAMETER AND AS SHOWN BELOW. SPECIFIED COVER TO BE MAINTAINED USING CEMENT MORTAR COVER BLOCKS OR APPROVED PLASTIC SPACERS

ELEMENT	CONCRETE STRENGTH AT 28 DAYS (MPa)	COVER mm
FOUNDATIONS	25	40
COLUMNS	–	–
BEAMS	25	25
SLABS	25	25
WALLS	25	30

3. ALL AGGREGATE TO BE 19mm UNLESS OTHERWISE SPECIFIED.
4. CONCRETE DESIGN MIXES TO BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.
5. CUBE TESTS TO BE CARRIED OUT ON SITE AND LOGGED WITH POSITION AND DATE BY INDEPENDENT LABORATORY. CUBES TO BE TAKEN FOR EACH TYPE OF ELEMENT, AT LEAST ONE DAILY AND AT LEAST ONE EVERY 50m³.
6. REINFORCEMENT TO BE IN ACCORDANCE WITH SANS 920 AND SHALL BE BENT IN ACCORDANCE WITH SANS 82.
7. ALL CAST IN ITEMS SHALL BE FREE OF OIL, GREASE, DIRT OR ANY OTHER MATERIAL WHICH MAY IMPAIR THE BOND WITH THE CONCRETE. CONTRACTOR TO REFER TO ARCHITECT/SPECIALIST DRAWINGS FOR DETAILS/POSITIONS OF OPENINGS, SLEEVES, CONDUITING, ETC. FOR STORMWATER, SEWERAGE AND OTHER SERVICES.
8. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE GROUND BEARING CAPACITY OF 150 kPa.
9. ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.
10. REMOVAL OF FORMWORK TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR BACK-PROPPING ON MULTI-STOREY SLAB CONSTRUCTION
11. SURFACE BEDS:
    ATTENTION IS DRAWN TO THE USE OF LAPPED, TAPED SLIP-MEMBRANE AND THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ADEQUATE CURING OF THE TOP SURFACE.
    MESH TO BE LAPPED 400mm. CONTRACTOR TO ENSURE CORRECT TIMING OF SAW CUTS TO AVOID RANDOM CRACKING AND RAVELLING OF JOINT EDGES.

TIMBER

1. DESIGN MATERIALS USED AND METHOD OF CONSTRUCTION TO BE IN ACCORDANCE WITH: SABS 653, 876, 1089, 1245.
2. UNLESS OTHERWISE NOTED, TIMBER TO BE MINIMUM GRADE 6.
3. THE CONTRACTOR IS TO SUBMIT PRINT OF ALL SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR FABRICATION.
4. ALL DIMENSIONS & LEVELS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF FABRICATION.

MASONRY

1. DESIGN MATERIALS USED AND METHOD OF CONSTRUCTION TO BE IN ACCORDANCE WITH: SANS 10164, 10400 K.
2. UNLESS OTHERWISE NOTED, COMPRESSION STRENGTH TO BE MINIMUM 7 MPa.
3. MORTAR TO BE CLASS II
4. BRICKFORCE AT EACH FOURTH COURSE AND EACH COURSE ABOVE OPENINGS, UNLESS OTHERWISE SHOWN.
5. TIMBER TRUSS TIE DOWN STRAPS 30x1.2 THICK TO BE BUILT INTO WALL MINIMUM 5 COURSES WITH 50mm EMBEDMENT.
6. ALL PROPPED OPENING TO BE ALLOWED TO CURE FOR MINIMUM 14 DAYS PRIOR REMOVING PROPS.

DATUM ±0,000 IS FFL = +1357,026

GENERAL NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWING.

ALL DIMENSIONS, LEVELS, ETC ARE TO BE CHECKED BEFORE ANY WORK IS COMMENCED AND ANY DISCREPANCIES NOTED TO BE BROUGHT TO THE ARCHITECT'S ATTENTION.

ONLY FIGURED DIMENSIONS TO BE USED, SCALING OF DRAWINGS IS NOT ADVISABLE.

ALL RIGHTS RESERVED. NO PART OF THIS DESIGN SHALL BE REPRODUCED, USED ELSEWHERE AND/ OR IN ANY WAY WITHOUT PRIOR PERMISSION FROM THE ARCHITECT/ ENGINEER.

GEOTECH INFORMATION

SOIL TYPE: C1 and Unified Soil Class (SC-SM)

ASSUMED SOIL BEARING CAPACITY: < 150 kPa kPa

RECOMMENDED FOUNDATION TYPE: Reinforced Strip Foot Foundation

RECOMMENDED FOUNDATION DEPTH: 0.6- 1m

REV. NO.	DATE	DESCRIPTION
A	2021-01-19	ISSUED FOR TENDER PURPOSES
B	2021-02-26	ISSUED FOR TENDER PURPOSES
C	2021-03-16	ISSUED FOR TENDER PURPOSES
D	2021-03-19	ISSUED FOR TENDER PURPOSES
E	2021-04-19	ISSUED FOR TENDER PURPOSES
F	2021-04-30	ISSUED FOR TENDER PURPOSES

MUNICIPAL APPROVAL

NAME:.....

SIGNATURE:.....DATE:.....

STAMPS:

PRINCIPAL AGENT

Mamadi & Company (Pty) Ltd
No. 1 Newtown Avenue, Kilarney, Johannesburg , 2198
Tel: 011 - 532 8659
Email: info@mamadi.co.za

COMPETENT CONTACT PERSON: FULL NAME | CONT. No: +2711 532 8659 | FIRM REG No: 2016/012437/07

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Noordwes Departement van Onderwys
North West Department of Education
NORTH WEST PROVINCE

DBSA

ARCHITECT:.....

SIGNATURE:.....DATE:.....

OHS:.....

SIGNATURE:.....DATE:.....

NORTH WEST DEPARTMENT OF EDUCATION

NAME:.....

SIGNATURE:.....DATE:.....

NAME:.....

SIGNATURE:.....DATE:.....

NAME:.....

SIGNATURE:.....DATE:.....

DISCIPLINE: CIVIL/STRUCTURAL

PROJECT NAME: SEDIKO PRIMARY SCHOOL
EMIS NUMBER: 600101902

PROJECT STATUS

STAGE 1-3	STAGE 4	STAGE 5-6
CONCEPT	TENDER	CONSTRUCTION

DESCRIPTION: NEW ADMINISTRATION BLOCK FOUNDATION, SURFACE BED, RING BEAM & SLAB LAYOUT AND DETAILS

SCALE: AS SHOWN

DRAWN:

CHECKED:

NAME OF COMPETENT PERSON: MOTHOANA MASOOA | REG No: ECSA PR. 20200400498 | SIGNATURE

NAME OF COMPETENT PERSON: THABISO MOTSHEGOA | REG No: ECSA PR. 201370184 | SIGNATURE

PROJECT NUMBER: RFP 263/2019

DATE: 2021-01-15

DWG No: DBSA-JBT-S1-ENG-STR-DWG-007

REV No: F

OCCUPANCY CLASSIFICATION

SANS 10400 & XA COMPLIANCE		
CONDUTANCE	Rational Des. T / N	Standard Cal. T / N
SOLAR HEAT GAIN	Rational Des. Y / N	Standard Cal. T / N
GEOGRAPHICAL ZONE		

NBRs COMPLIANCE	
SITE PLAN	Yes / No
OTHER DRAWINGS	Yes / No

OTHER APPROVALS	Mark with X	
Enviromental Impact Assesment (EIA)	Yes / No / N/A	
South African Heritage Resources Agency (SAHRA)	Yes / No / N/A	
Department of Water and Sanitation (DWS)	Yes / No / N/A	
South African National Roads Agency (SANRAL)	Yes / No / N/A	
Other	Yes / No / N/A	

WATER SUPPLIER			
MUNICIPALITY	Yes / No	MUNICIPALITY NAME	
BOREHOLE	Yes / No	WATER USE LISENCE	Not Available
PRESSURE	TBC		BARS
TANKS	Number / Size	Capacity	2000 LITERS
OTHER STORE	Yes / No	Specify below	

SANITATION/ SEWER			
MUNICIPALITY	Yes / No	MUNICIPALITY NAME	Mathosana
SEPTIC TANKS	Yes / No	CAPACITY	
PIT LATRINES			Yes / No
OTHER	Yes / No	SPECIFY:	

SITE INFORMATION	
ERF No.	15756
COVERAGE	10.9 % (3795 m²)
VILLAGE NAME	Jouberton Ext. 15
DISTRICT	Dr Kenneth Kaunda
COORDINATES	26°54'12.4"S 26°35'46.5"E

STAGES		
SIPDM	SACAP	Mark with X
0		
1		
2		
3	1	
4	2	X
5	3	
6	4	
7	5	
8		
9	6	

PROJECT TEAM

	COMPETENT CONTACT PERSON	CONTACT No.	REGISTRATION No.	COMPANY NAME
ARCHITECT	DANNY KALOMBO	+27 79 875 8873	PR.Arch 2474053/8	MAMADI & COMPANY
Q. SURVEYOR	HENK DOKTER	+27 82 807 9005	570 - SCQS	MAMADI & COMPANY
STRUCT. ENG	THABISO MOTSHEGOA	+27 73 757 8094	201370184 - ECSA	MAMADI & COMPANY
CIVIL ENG	GIVEN MBHOKOTA	+27 83 580 1709	201470013 - ECSA	MAMADI & COMPANY
MECH. ENG	PULE SHEANE	+27 72 172 8396	201570022 - ECSA	MAMADI & COMPANY
ELECT. ENG	JOHN MOKOENA	+27 63 005 5891	20030038 - ECSA	MAMADI & COMPANY
OHS	NATHANIEL MATHAGA	+27 72 947 7939	OHS 14000005	MAMADI & COMPANY
CONTRACTOR				