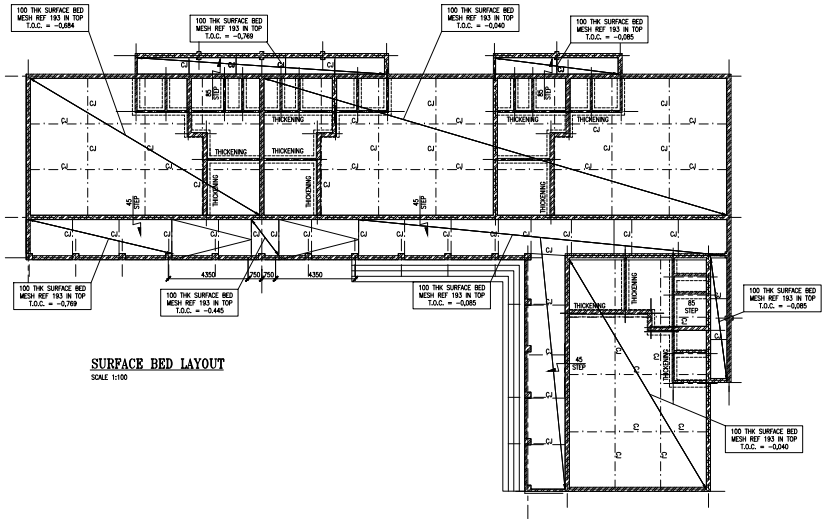
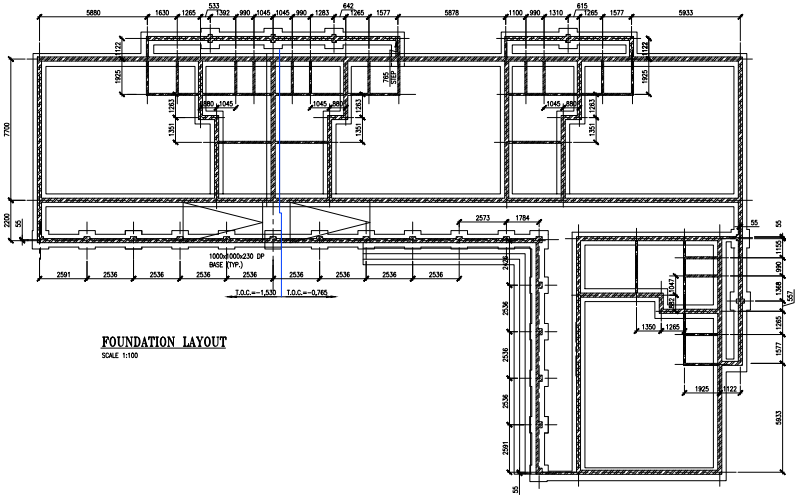
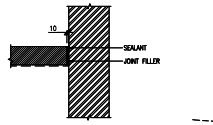


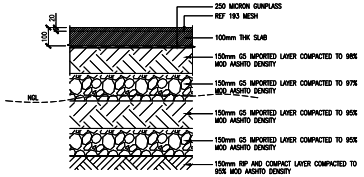
SURFACE BED LAYOUT
SCALE 1:100



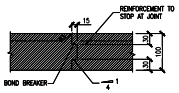
FOUNDATION LAYOUT
SCALE 1:100



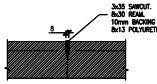
ISOLATION JOINT
SCALE 1:10



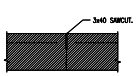
TYP. SLAB LAYERWORKS
SCALE 1:10



CONSTRUCTION JOINT
SCALE 1:5



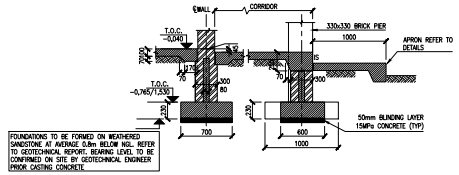
EXPOSED SLAB
SCALE 1:5



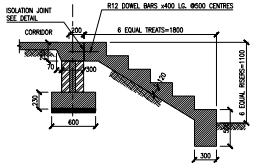
SCREEDED SLAB
SCALE 1:5

CONTRACTION JOINT

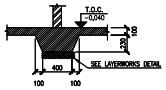
"CJ" INDICATES CONSTRUCTION OR CONTRACTION JOINT TO SUIT CASTING SEQUENCE.



TYP. SECTION THRU CORRIDOR WITH BRICK PIER



SECTION THRU STAIRCASE
SCALE 1:25



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

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 MARR 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 = +1357,710

DBSA

ARCHITECT:.....

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

QHS:.....

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

NORTH WEST DEPARTMENT OF EDUCATION

NAME:.....

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

NAME:.....

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

NAME:.....

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

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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education
Lefapha la Thuto la Bokone Bophirima
Noordwes Departement van Onderwys
North West Department of Education
NORTH WEST PROVINCE

DISCIPLINE: **CIVIL/STRUCTURAL**

PROJECT NAME: SEDIKO PRIMARY SCHOOL
EMIS NUMBER: 6001019102

PROJECT STATUS

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

DESCRIPTION: NEW GRADE R BLOCK FOUNDATION, SURFACE BED & RING BEAM 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-006

REV No: F

OCCUPANCY CLASSIFICATION

SANS 10400 & XA COMPLIANCE

	Rational Des.	Standard Cal.
CONDUTANCE	N	N / N
SOLAR HEAT GAIN	N	N / N
GEOGRAPHICAL ZONE		

NBRs COMPLIANCE

	Yes	No
SITE PLAN		
OTHER DRAWINGS		

OTHER APPROVALS

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

WATER SUPPLIER

	Yes	No	
MUNICIPALITY			MUNICIPALITY NAME
BOREHOLE			WATER USE LISENCE: Not Available
PRESSURE	TBC		BARS
TANKS	Number: 1	Capacity: 2000	LITERS
OTHER STORE			Specify below

SANITATION/ SEWER

	Yes	No	
MUNICIPALITY			MUNICIPALITY NAME: Mathosana
SEPTIC TANKS			CAPASITY:
PIT LATRINES			kl
OTHER			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 24740538	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				