



RogoCom

**Consulting Engineering &
Project Management**

Reg : 2018/271662/07

COMPANY PROFILE

CONTACT INFORMATION

**MANAGING DIRECTOR : MA NGAMA
DIRECTORS : MA NGAMA | NJ NKAMBULE
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**B-BBEE
LEVEL
CONTRIBUTOR**

1



BACKGROUND

RogoCom is a Registered Consulting Engineering and Project Management practice with substantial experience in civil and structural engineering projects. **RogoCom** was established in 2018 and it is a 100% black owned.

The abbreviation **RogoCom** stands for **Rogo Company**. And the word Rogo is extrapolated from a conceptual framework of African origin palm oil as being produced. Our logo has stashed this conceptual framework.

we are proud to be affiliated with **South African Council for Projects and Construction Management Professions (SACPCMP)** along with **Engineering Council of South Africa (ECSA)**.

This magnifies our exposures, familiarities and professionalism in the fields of construction management and consulting engineering.

MISSION STATEMENT

RogoCom strive to provide substantial quality and durable services through the application of intensive and innovative technologies. Our mission to render Consulting Engineering and Project Management explicitly encompass reliable, imperishable and immutable

services to suit all our clients' requirements as well their health and safety within the futuristic technology locally and across the globe.

VISION

The growth and the operation of the company are found in the basic corporate Principal. This means the Quality, the Effectiveness and the Adaptability to the needs of markets and technological evolutions are the prime conceptual aspect toward our services. We vision to satisfy Clients' needs more efficiently through enduring relationships, a highly skilled and motivated workforce.

BUSINESS DESCRIPTION AND OVERVIEW

- **Consulting Engineering services for Civil and Structure Work.**
- **Project Management for all Construction Work.**
- **Health & Safety for all Construction Work.**
- **Consulting Architect Services.**
- **Project Quantity Surveying Services.**
- **Consulting Electrical & Mechanical Engineering Services.**



DESIGN OF FOUNDATION

The foundation of any structure forms a fundamental aspect of its infrastructure.

We take an extensive care when designing a foundation for any infrastructure as our design is subsequently derived from the type of the in-situ material.

Based on the requirement of our client/type of the infrastructure, we firstly determine the total loads of the infrastructure (Dead, Live and Winds Load).

Subsequently, our geotechnical engineer will visit the site to collect the soil sample for further test.

Once the type of soil is determined, this information will enable us to design the type of foundation as well as the material of soil to be imported.

In the most scenario that ground water is found as in the picture below:

And the infrastructure literally to be built over the stream and the tree is to be removed!

This is where our professionalism becomes exceptional as we deal with ground water so effectively.

We will remove the tree and extend the stream from its indigenization to either daylight or connect to storm water pipe.

GROUND WATER

How is the foundation designed over the ground water, there are many ways we deal with such challenges? However, one option will be shared with you.

Subject to the volume of water from the stream seasonally, suppose that there is 1000 ml/h at max/rain season.

A perforated PVC pipe of 110 mm will be laid at the lowest point of the stream source to lead the water away with crushed stone around it and covered with geotextiles/bidim cloth/ground blanket. (see the picture below)





STORM WATER PIPE

Some times we design storm water through the foundation, this is subject to the confined space and the gravitation of Natural Ground Level.

FOUNDATION BRICK WORK

We mostly recommend NFX (14 MPa) stock brick to be built at the foundation/foundation brick work.

As a result of its strength, this brick work carries the building load by transferring it to the foundation and subsequently to the ground.

THE BACKFILLING/DENSITY

The backfilling strength, normally must be designed to resist the movement of people in the building, to resist its self-weight and the potential weight of vehicle parking over it.

As such, the compaction degree/density is always required (i.e., 95% MOD AASHTO).

Depending on the type of the in-situ soil, we mostly design 25 MPa concrete for the foundation and the surface bed.

CONCRETE WORK

We take pride in our services as sequence is fundamentally essential in any construction work.

We advise and monitor during the construction work as before the surface bed is cast, all other services must be installed such as electrical sleeves and earthing sleeves.

We advise plastic, spacers and mesh to be laid as per design as well.

The mesh plays a substantial role in the structure of the surface bed as it prevents cracking of concrete during the movement of the building/people.

The surface bed must be cast in the range/scale of panels to form construction joints and subsequently, saw cut to be practiced to further eradicate the potential of cracks.





BRICK WORK

There are many types of cladding used in the building environment. However, we will only demonstrate the use/importance of stock and face brick.

The stock bricks in any infrastructure sustains strengths to provide durability and they resist fire and have insulating properties as well as thermal and acoustic insulation.

While the face bricks surface tends to be very sturdy and smooth which forms its final appearance, beauty and durability with economically maintained.

The brick wall contains mortar which provide bond to the structure and brick force which prevent the risk of vertical cracks/subsidence as well as the distribution of loads to various parts of the wall structure.

The mortar only contributes 15% toward the whole structure of the brick wall but its characteristic plays a fundamental role to masonry aspect including movement, behaviour (expansion, joint spacing), bond strength and moisture movement which influence/inculcate the durability.

THE ROOF STRUCTURE

We take some aspects into consideration when designing roof structure.

The wind loads and self-loads have an extensive role in the design of roofing. This is subject to the geographic area/province locally.

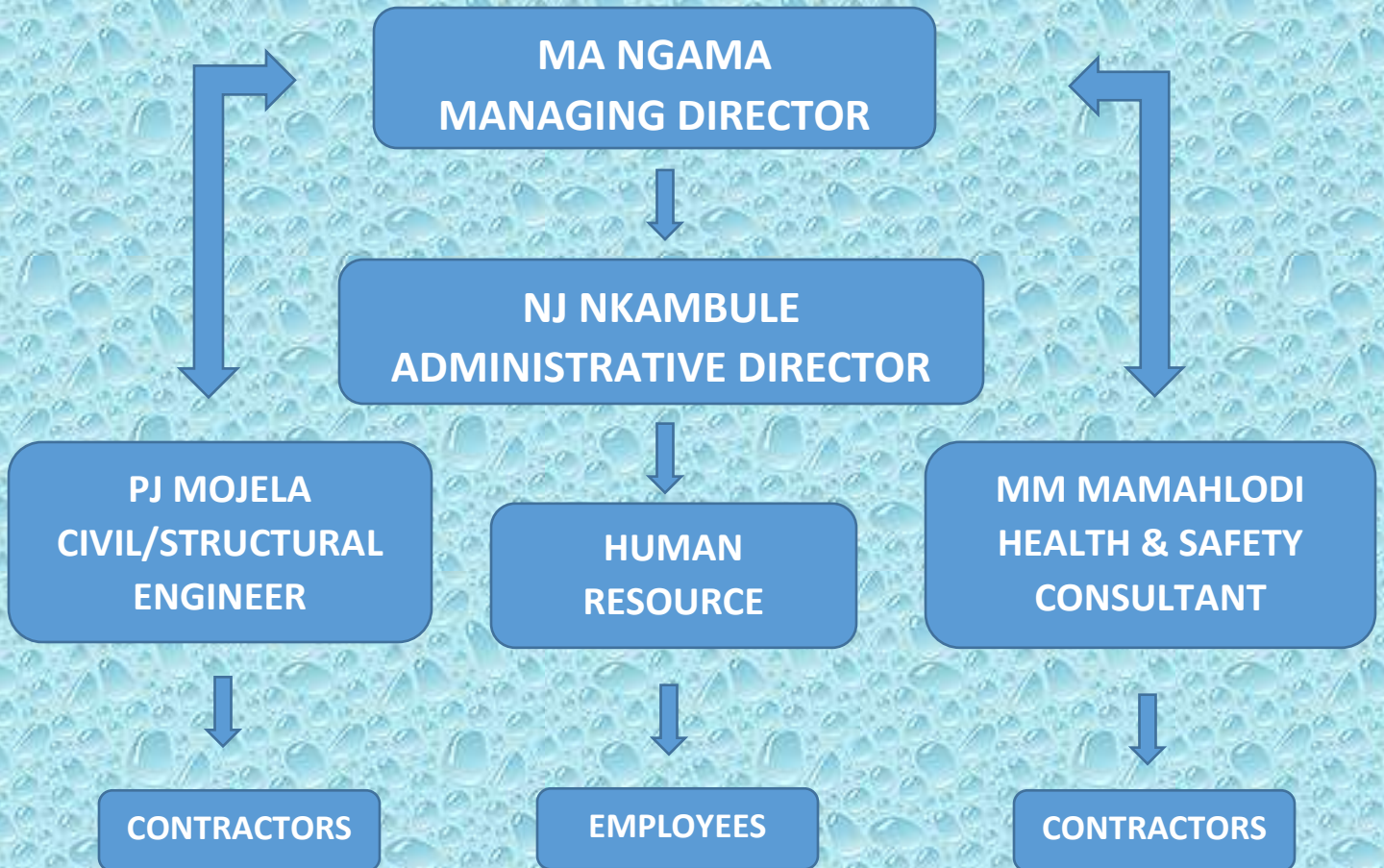
Wooden trusses are mostly designed in small buildings while steel trusses in big building.

We define the slop of the roof based on the roof cover. This is strictly for small building.

For any roof sheeting, our design slop is ranging from 2.5° to 15° whilst roof tiles ranging from 15° to 30° .



THE CORPORATE STRUCTURE



THE CORPORATE TEAM



MOHAMED ALLY NGAMA MANAGING DIRECTOR

Mohamed Ally Ngama is the core founder of **RogoCom** in year 2018 and he is been engaged in the development of the company ever since.

He is a Baccalaureus Technologies in the field of Civil and Structural engineering. Graduated in year 2017 with **UNISA** and he has 17 years in the field construction industry.

He is also registered with Engineering Council of South Africa (**ECSA**) as well as South African Council for Project and Construction Management Professions (**SACPCMP**).

He is busy pursuing his courier of Honors at UNISA.



NONHLANHLA JAMILA NKAMBULE ADMINISTRATIVE DIRECTOR

Nonhlanhlan Jamila Nkambule is responsible for all administrative work and she works hand to hand with MA Ngama to further develop the company.

RESPONSIBILITIES

Her responsibility includes, tendering for new projects. She coordinates this work with her team and she monitors the process quite effectively.

She is also responsible for all the employees' earnings and she manages/handles the employees payment issues.

RESPONSIBILITIES

His responsibilities as a Managing Director includes, Professional advice to the clients in particular and others.

Consultation to the clients and drafting of new project proposal to suit the client requirement. Appointment of other professionals' team to start materializing the project.

This will include appointment of an architecture for drawings to suit the client requirement. Subsequently, appointment of himself for engineering design (safety of the infrastructure and the durability).

Thirdly in the team, appointment of the electrical/mechanical engineer will follow.

Lastly, appointment of the quantity surveyor will be done to quantify the cost.

In a case that the cost exceeds the budget, the client will be reported and all professionals will be required to amend the designs to incorporate with the cost.

After all these are settled, the quantity surveyor will be requested to compile two bills of quantities. One priced and the other one unpriced.

This project will now go for tender and he and the team will be engaged in the briefing and evaluating for best contractors. and monitor the whole projects.

COLLECTIVE RESPONSIBILITIES

We proudly engage in the most cost-effective plan to timely complete within budget constraints and required quality.

We are also responsible for implementation of scope of work related to the project and the design to suit the clients' requirements as well as safety and the durability of the infrastructure.

We monitor the productivity of the project within the budget constraints and schedule performance and investigate reasons for less than satisfactory performance.

We provide recommendations, guide lines and institute measures for improvement by modification to operating procedures/work instructions.

We coordinate professional team, contractors, subcontractors and Suppliers effectively and compile report timeously to the clients.



PONTSHO JOHANNES MOJELA

CIVIL/STRUCTURAL ENGINEER

Pontsho J Mojela is an experienced civil/Structural engineer with a background in project management, construction management, contract, management and design of civil and building works.

He is a holder of a National Diploma in Civil Engineering, a member of South African Council for Project and Construction Management Professions (**SACPCMP**).

In possession of strong communication and leadership skills due to professional experience as a worker and being part of middle management in the public and private sector.

RESPONSIBILITIES

He plans, designs and oversees construction and maintenance infrastructure projects such as buildings, roads, municipality services etc.

He also responsible for construction supervision, monitoring as well as contract management and administration.



MPHO MOKGOSHI MAMAHLODI

HEALTH & SAFETY CONSULTANT

Mpho Mokgoshi Mamahlodi has a senior Certificate.

He is registered with South African Council for Project and Construction Management Professions (**SACPCMP**) as Construction Health and Safety Officer.

He is also a member of EMCARE as a Safety Officer.

RESPONSIBILITIES

He applies techniques of HIRA (Hazard identifications and risk assessment)

He identifies and develops of SHE Management Systems

Describing the risk involved in performing duties conducting investigation whenever incidents occur.

He identifies relevant Environmental act Regulations.

He develops and Implements the set standards to controlling of safety document.

He also manages the SHE legal appointments in the company.



CONCRETE WORK

1. Columns

We design all types and shape of columns. (i.e. slender and short). As indicated under the brick work that bricks sustains loads from the roof and transfers it to the foundation.

For larger and tall buildings, different types of columns are designed to sustain the load of the building.

We always advise the contractor to wrap the columns just after the removal of the formwork to allow the cure period of concrete columns to function properly.

This cure period plays significant role toward the maximum strength of the columns and the duration of the infrastructure.

The honey comb that grows on the column surface are strictly not allowed as we recommend to have our member on site guiding the contractor during the casting of concrete.

The honey comb may expose the reinforcement which will build rust and compromise the strength of the column

and ultimately the durability of the whole infrastructure.

We respect our work and we expect a high quality of workmanship to derive from it.

2. The Beams

We design the beams in respect to the spanning of the columns as well as the panel of the slab.

The role that the beam plays in this regard is to distribute the loads from the slab and transfers it to the columns.

As the beam orientation is always horizontal, professional attention is required when designing to avoid bending/sagging/hogging.

3. The Slabs.

We design in-situ as well as the pre-cast slab to suit the client requirement and budget.

More of the slab design was covered under the surface bed.



WHY WOULD CLIENTS RECOMMEND US?

- Through our experience and expertise in the industry and we offer high quality services and durability at reasonable prices.
- We develop credibility in the business and devote our time into the inner circle of the client and understand what they care about deeply.
- Because the client needs a consultant who can direct a team of people to achieve their goal and we are the one to make this happen.
- We provide professional and friendly service and respond to the clients' inquiries as fast as possible.
- We are conducive and improvising to adapt the clients' systems.

PROJECT COMPLETED

No	Description of the Projects	Year Completed	Amount
1	 MANGHEZI SECONDARY SCHOOL	2018	R 1 732 741.16
2	 MAPHUSHA SECONDARY SHOOL	2018	R 1 916 482.69

3



MANKHOLE SECONDARY SCHOOL

2018

R 22 261 660.99

4



OUKASI PRIMARY SCHOOL

2019

R 47 703 853.89

5



MAPHUSHA SECONDARY SCHOOL

2019

R 924 350.05

6



2021

R 25 526 789.95

MOPANI SOUTH EAST 2 X 8 CLASS ROOM

7



2021

R 14 196 758.47

SPAR TAXI RANK

CONTACT DETAILS



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