



GRITMAX

QUALITY . RELIABILITY . CHECK

GRITMAX GROUP

CORPORATE CAPABILITY PROFILE

COMMERCIAL • INDUSTRIAL • CIVIL • STRUCTURAL • ROBUST BUILDING SYSTEM



ONE CONSTRUCTION PARTNER

MULTIPLE CAPABILITIES.

● Gritmax Group (Pty) Ltd is a multidisciplinary South African construction company delivering commercial, industrial, civil, concrete and structural construction solutions across the public and private sectors.

Our capability spans site establishment, civil infrastructure, reinforced concrete, industrial flooring, structural steel, agricultural infrastructure, weighbridge civil works and complete building construction.

Gritmax coordinates these disciplines through one construction programme, giving clients a single accountable partner from groundwork and foundations through to finishes and handover.

The Robust Building System strengthens this offering by giving clients access to an accredited alternative walling technology for security walls, housing and complete buildings.

CONVENTIONAL CONSTRUCTION CAPABILITY — WITH
AN ALTERNATIVE SYSTEM THAT CHANGES WHAT IS
POSSIBLE.

CAPABILITY WHERE THE WORK CONNECTS.

Separate disciplines are useful. Coordinated delivery is more valuable.

- | | | |
|--|---|--|
| <p>01</p> <p>Commercial Construction</p> <p>Offices, workshops, warehouses and operational buildings.</p> | <p>02</p> <p>Industrial Construction</p> <p>Production, storage and heavy-duty working environments.</p> | <p>03</p> <p>Civil Construction</p> <p>Earthworks, roads, aprons, drainage and site infrastructure.</p> |
| <p>04</p> <p>Specialist Concrete Works</p> <p>Foundations, slabs, pits, bases and reinforced elements.</p> | <p>05</p> <p>Structural Steel</p> <p>Fabrication, erection, cladding and integrated structures.</p> | <p>06</p> <p>Industrial Flooring</p> <p>Power-floated floors, service pits and mezzanine slabs.</p> |
| <p>07</p> <p>Agricultural Infrastructure</p> <p>Silo bases, intake systems, aprons and handling structures.</p> | <p>08</p> <p>Weighbridge Civil Works</p> <p>Site preparation, foundations and supplier coordination.</p> | <p>09</p> <p>Robust Building System</p> <p>Engineered walling for security, housing and complete buildings.</p> |

ONE PROGRAMME**PLAN. PREPARE. BUILD.
COMPLETE.****01****Plan**

Scope, methodology,
procurement and programme.

02**Prepare**

Site establishment,
earthworks and setting out.

03**Build**

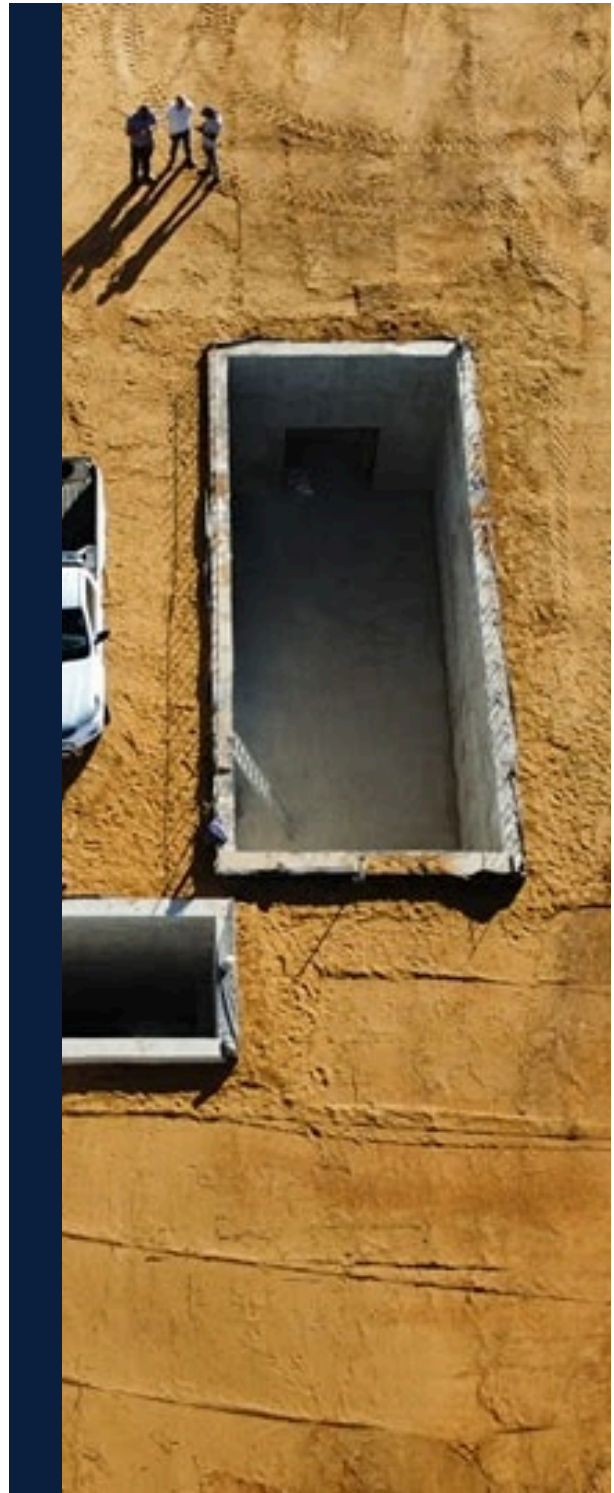
Civil, concrete, structural and
building works.

04**Coordinate**

Suppliers, services, interfaces
and inspections.

05**Complete**

Finishes, testing, close-out
and handover.



PROJECT OVERVIEW

LOCATION

Koppies, Free State

CLIENT

Confidential Commercial
Agricultural Client

COMPLETED

2024

PROGRAMME

Two phases of
approximately six
months each

Gritmax delivered an integrated package of civil, concrete, structural and building works supporting a commercial grain-storage and handling facility.

The project demonstrates our ability to coordinate specialised agricultural infrastructure with the buildings, foundations, traffic areas and civil works required around it.

DELIVERED SCOPE

- Four 48-foot silo foundation bases
- Bucket-elevator pit
- Intake pit
- 10 x 24 meter structural building and flooring
- Office block
- Weighbridge civil works
- Concrete aprons across the site

PROJECT IMAGES



LOCATION
Germiston,
Gauteng

CLIENT
Confidential

COMPLETED
2024

PROGRAMME
Six months

40 × 30 METER INDUSTRIAL WORKSHOP

Gritmax delivered a complete industrial workshop incorporating the structural shell, operational floor areas and supporting facilities required for a functional working environment. The project combined structural, building, concrete and plumbing works within one co-ordinated construction programme.

PROJECT OVERVIEW

DELIVERED SCOPE

- 40 × 30 meter workshop structure
- Offices
- Storerooms
- Ablution facilities
- Service pit
- Industrial flooring
- Mezzanine slabs
- Plumbing works

PROJECT IMAGES



NEW SILO FOUNDATION

HIGHVELD MILLING

AGRICULTURAL PROCESSING FACILITY

LOCATION

STANDERTON, MPUMALANGA

COMPLETED

2025

PROGRAMME

1.5 MONTHS

Gritmax delivered the civil and structural foundation package for a new silo, integrating deep excavation, engineered layerworks, reinforced concrete, drainage modifications and site reinstatement.

CIRCULAR FOUNDATIONS / FOUNDATION WALLS /
FLOOR SLABS / DRAINAGE CHANNELS / MASONRY /
PAVING AND DRAINAGE REINSTATEMENT

573 m³

Bulk excavation

496 m³

Compacted G5
layerworks

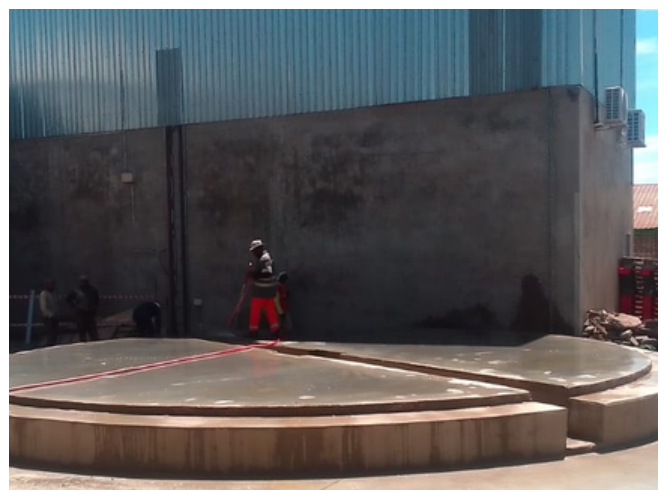
63 m³

Reinforced concrete

4.18 t

Reinforcing steel

**INTEGRATED
PACKAGE**



A DIFFERENT WAY TO BUILD THE WALL

An engineered alternative for security walls and complete buildings

FASTER. STRONGER. MORE ECONOMICAL. SIMPLER.



FOUR OUTCOMES THAT CHANGE THE PROJECT

The Robust Building System is an accredited alternative building technology for security walls and complete buildings. It creates a continuous monolithic wall that combines engineered strength, rapid construction and flexible architectural application.

01 Faster

Up to 20 m² of wall panels can be erected in one hour using a single binding jig, before mortar application.

Robust construction is at least three times faster than conventional building methods while requiring approximately 65% of the workforce.

02 Stronger

Robust walls form a continuous, monolithic structure that can be designed as a load-bearing part of the building.

The reinforced construction removes many of the joints and weak points associated with brickwork and precast panels, providing high resistance to structural cracking.

03 More Economical

Faster construction, fewer workers, less material waste and a shorter programme reduce the total installed cost.

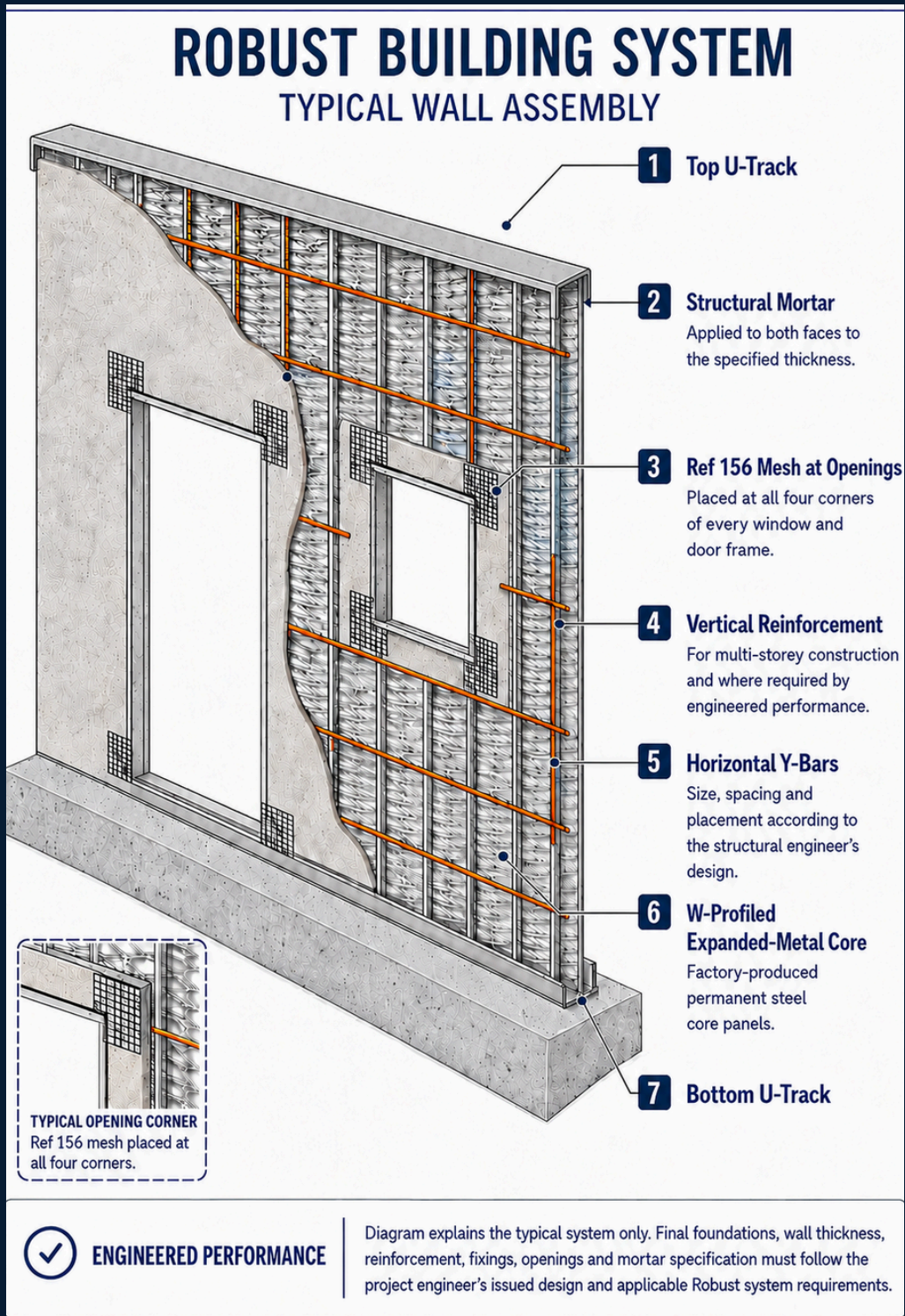
The lightweight panels are economical to transport and do not require a crane for installation.

04 Easier

Lightweight panels are easier to handle, the installation sequence is repeatable and skills transfer to local labour quickly.

THE VALUE IS NOT MEASURED ONLY BY THE COST OF THE WALL MATERIAL. PROGRAMME, LABOUR, WASTE, FINANCE COSTS AND LONG-TERM PURPOSE ALL AFFECT THE REAL INSTALLED VALUE.

ENGINEERED STRENGTH, BUILT INTO THE WALL



*Final wall design, reinforcement, mortar specification and wall thickness must be confirmed according to project requirements and structural engineer specifications.

COMPARE THE COMPLETE WALL— NOT ONLY THE MATERIAL RATE

PROJECT PRIORITY	ROBUST Integrated wall system	BRICK & MORTAR Traditional masonry	PRECAST Panel walling
FASTER Construction programme	5/5	2/5	4/5
Installation sequence	5/5	2/5	4/5
STRONGER Wall continuity	5/5	3/5	2/5
Resistance at weak points	5/5	3/5	3/5
MORE ECONOMICAL Installed cost efficiency	5/5	3/5	4/5
Material waste control	5/5	2/5	4/5
EASIER On-site handling & logistics	5/5	3/5	3/5
Design & finish flexibility	5/5	5/5	2/5

DISCLAIMER

Final performance and cost depend on engineering, foundations, height, site conditions, finishes, labour and statutory requirements.

SECURITY WALLS WITHOUT THE SECTIONAL WEAK POINTS



Security and perimeter walls are the clearest immediate market for the Robust Building System.

Unlike sectional precast walls, the finished Robust wall forms a continuous permanent structure without removable infill panels between posts.

The system can be engineered around project-specific requirements including wall height, foundations, entrances, gates, columns, finishes and site exposure.

APPLICATIONS

- Residential estates and complexes
- Industrial facilities
- Warehouses and logistics yards
- Schools and institutions
- Farms and agricultural facilities
- Commercial properties
- High-security perimeters
- Gate and entrance structures

A boundary wall should be assessed as a complete security system—not an isolated line item.

THE SYSTEM EXTENDS ACROSS COMPLETE BUILDINGS

The Robust Building System is not limited to boundary and security walls. Within its assessed scope, it can be used for single-storey buildings and as engineered infill panels in multi-storey structures. The expanded-steel core, additional reinforcement and mortar applied to both faces create a strong permanent wall suitable for a wide range of building types.

STANDARD APPLICATIONS

- Boundary and security walls
- Retaining walls
- Acoustic barriers
- Agricultural structures
- Commercial building envelopes
- Industrial enclosures
- Substation and utility compounds
- Estate perimeter walls



PERFORMANCE THAT STANDS UP TO SPECIFICATION

The Robust Building System's performance can be adapted through wall thickness, reinforcement and mortar strength according to the structural engineer's design.

3.6 kg/m²

Robust panel mass supporting easier handling, transport and erection.

30 t / linear m

Robust load-bearing performance data for a 115 mm reference wall with 20 MPa mortar. Final capacity is determined by the project's engineered design.

60 minutes

Published fire-resistance rating for the referenced non-combustible wall configuration.

50 dB

Published airborne-sound performance for the referenced internal wall configuration.

100 / 130 mm

Current finished-wall specifications: 100 mm internally and 130 mm externally

RECOGNITION AND CONTROL

- Agrément South Africa Certificate No. 1999/272
- NHBRC-recognised alternative building technology
- Project-specific professional design
- Applicable building regulations and certificate conditions

*Published values remain subject to the referenced test configuration, certificate scope, project engineering, materials, workmanship, exposure conditions and statutory approval.

THE SYSTEM HAS ALREADY LEFT THE DRAWING BOARD

The Robust Building System has been implemented across a broad range of building types and geographic markets.

Its published project record includes multi-storey buildings, private housing, social housing, schools, lodges, military facilities, mining applications, boundary walls and specialist engineered structures.

This established track record allows clients to evaluate Robust as a proven construction system rather than an untested concept.

Market Presence



South Africa • Zimbabwe • Zambia • Namibia • Malawi • Botswana • DRC • Mozambique • Angola • Honduras



ACCREDITED TECHNOLOGY REQUIRES DISCIPLINED DELIVERY

Selecting the correct walling technology is only one part of a successful project. The contractor must still coordinate engineering, foundations, structures, services, finishes, inspections and handover.

Gritmax combines conventional construction capability with Robust system installation capability, enabling clients to appoint one accountable construction partner

GRITMAX'S ROLE

- Project and site assessment
- Engineering and approval coordination
- Foundations and associated civil works
- Robust system installation
- Openings, gates and interface coordination
- Building and structural works
- Finishes and associated services
- Quality control and project handover

ONE ACCOUNTABLE
PARTNER FROM
GROUNDWORK TO
HANDOVER.

Planning a security wall, industrial facility, agricultural project or complete building?

Send us the project location, approximate scope, drawings, expected start date and preferred finish.



Scan to connect

LET'S ASSESS THE COMPLETE PROJECT

TELEPHONE/WHATSAPP

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WEBSITE

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LOCATION

Deneysville, Free State

SERVICE AREA

South africa & selected
African markets

[REQUEST A PROJECT ASSESSMENT](#)

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