



BALUSTRADES

DIVISION

DESIGN | FABRICATION | INSTALLATION

CONTACT MANJARO STAINLESS STEEL

Durban, KwaZulu-Natal

Call: 072 335 5004

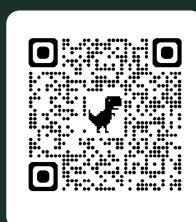
WhatsApp: 078 086 7279

Email: mitchbrown1961@gmail.com

Company: manjarostainless@gmail.com



WEBSITE
SCAN TO VISIT



WHATSAPP
078 086 7279



FACEBOOK
Manjaro Stainless Steel



INSTAGRAM
@manjarostainlesssteel

Division Overview

Purpose-built balustrades with dependable workmanship



Manjaro Stainless Steel Balustrades Division specialises in the design, fabrication and installation of custom balustrades, handrails, stair rails, balcony railings, boundary railings and matching gates for residential, commercial and industrial properties.

We combine practical site experience with careful measurement, strong fabrication and clean finishing. Every installation is planned to complement the property while providing a robust, functional barrier and a professional final appearance.

OUR VISION

To be a trusted KwaZulu-Natal provider of attractive, durable and carefully installed balustrade systems.

OUR MISSION

To deliver each project with clear communication, disciplined planning, quality workmanship and respect for the client's property.

Our Balustrade Services

Custom solutions for new builds, renovations and upgrades

Stainless-Steel Balustrades

Internal and external balustrades, balcony railings, stair rails, landings and handrails in polished stainless steel.

Mild-Steel Systems

Fabricated mild-steel balustrades and rails with painted or coated finishes suited to the project.

Staircases & Handrails

Straight, angled and multi-level staircase rails, landing barriers and continuous handrails.

Balconies & Boundaries

Balcony enclosures, terrace railings, boundary-top rails and protective perimeter systems.

Custom Gates & Features

Matching gates, decorative inserts, curved components and project-specific feature work.

Site Installation

Site measurement, fabrication, fitting, alignment, finishing and practical installation support.

Solutions for Every Property

Balustrade work tailored to the setting and application



RESIDENTIAL

Balconies, patios, staircases, landings and boundary walls for homes and residential complexes.

COMMERCIAL

Restaurants, shops, offices, public-facing premises and customer access areas.

INDUSTRIAL

Workplace handrails, access stairs, platforms and protective railing requirements.

Material and finish options

Stainless steel • Mild steel • Polished finishes • Painted or coated finishes • Horizontal or vertical infill • Curved or straight-line designs • Custom decorative details

Residential Balcony Projects

Stainless-steel balcony and landing installations



Stair and landing balustrade installation



Curved and horizontal stainless-steel balcony balustrades

Commercial Balustrade Project

Durable railing for a customer-facing commercial environment



Close-up of fabricated horizontal rail system



Completed commercial perimeter railing

Staircase & Handrail Projects

Interior and exterior access solutions



Interior stainless-steel stair and landing rails



Exterior staircase balustrade



Multi-level stainless-steel handrail installation

Boundary Railings & Gates

Coordinated stainless-steel perimeter work



Custom stainless-steel gate with address feature



Boundary-wall stainless-steel railing

Custom Fabrication

Balustrades designed around the property and client brief



Fabricated rails fitted to a concrete staircase



Custom steel staircase with cable-style infill

Decorative Mild-Steel Balustrades

Bold geometric infill for modern residential interiors



Coordinated railing around the stairwell



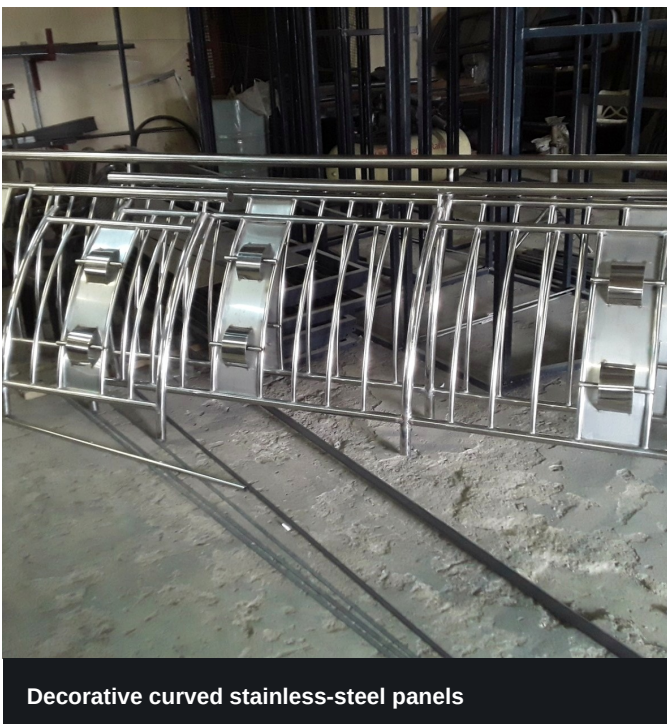
Completed geometric landing balustrade

Stainless-Steel Fabrication

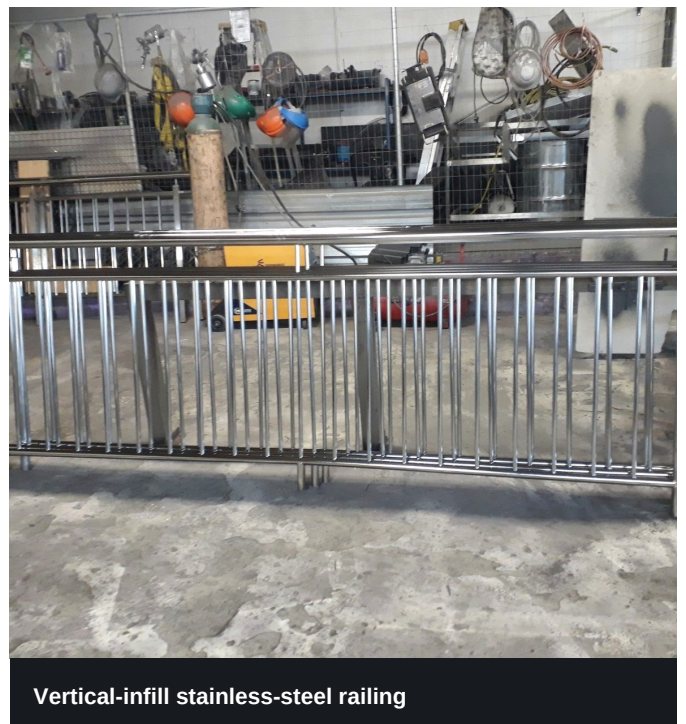
Custom balustrade sections fabricated and finished in the workshop



Curved stainless-steel balustrade sections



Decorative curved stainless-steel panels



Vertical-infill stainless-steel railing

Additional Staircase Projects

Stainless-steel rails for residential access and multi-level interiors



Multi-level interior staircase balustrade



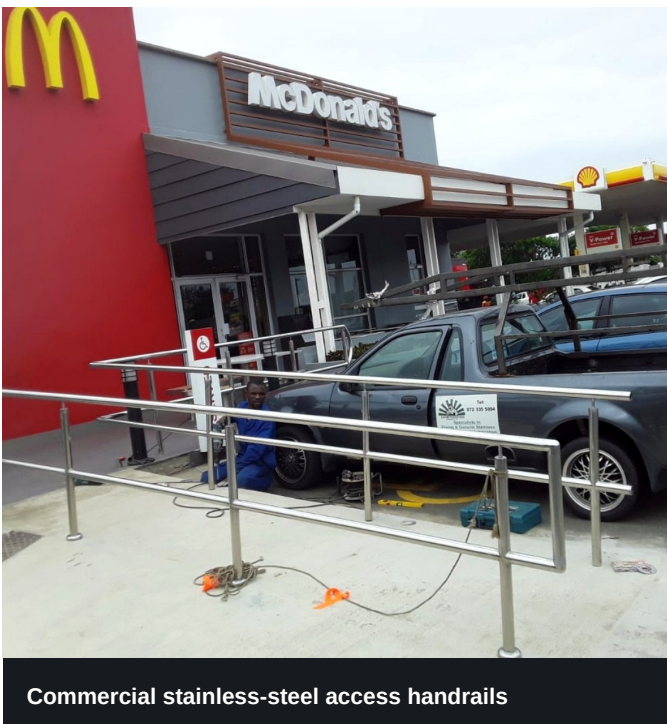
Exterior stainless-steel staircase rails

Gates & Commercial Access

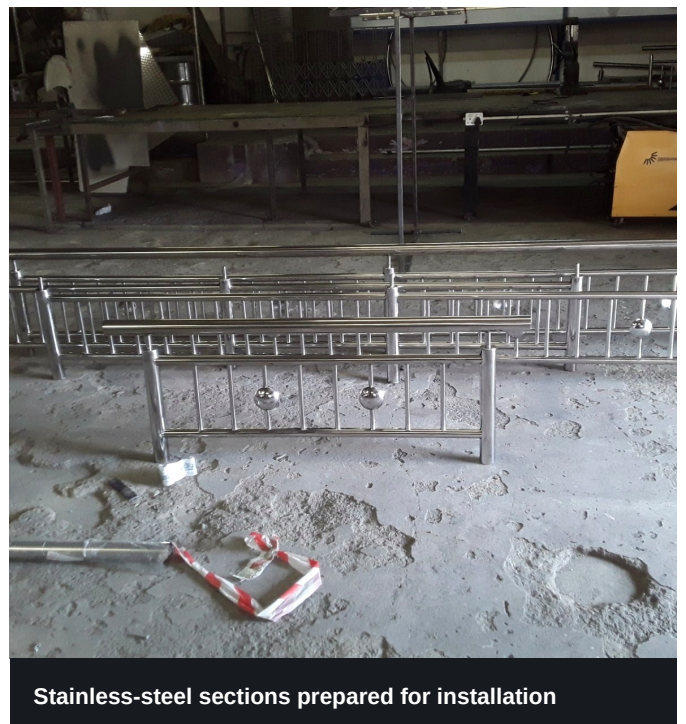
Custom entrance fabrication and accessible handrail installations



Custom sliding gate with timber and mesh infill



Commercial stainless-steel access handrails



Stainless-steel sections prepared for installation

Our Project Approach

From the first site visit to the final handover

01

CONSULT

Discuss the application, preferred style, material and finish.

02

MEASURE

Confirm site dimensions, levels, fixing points and project conditions.

03

FABRICATE

Cut, form, weld and finish components for a clean, accurate fit.

04

INSTALL

Fit, align and secure the system with attention to the surrounding property.

05

HAND OVER

Inspect workmanship, complete finishing and review the installation with the client.

BUILT AROUND YOUR SPACE

Practical advice • Custom fabrication • Clean installation • Direct project communication

3D Product Design Services

From your idea to clear, fabrication-ready product information

WE DESIGN DETAILED DRAWINGS FOR THE PRODUCT YOU WANT TO CREATE.

Bring us your product idea, sketch, photograph or practical requirement. We develop it into a clear design package that helps you understand, present and fabricate the product.



- Product concepts
- Dimensioned drawings
- 3D technical drawings
- Rendered design images
- Exploded assembly views
- Cutting lists & materials
- Structural drawings
- Technical revisions

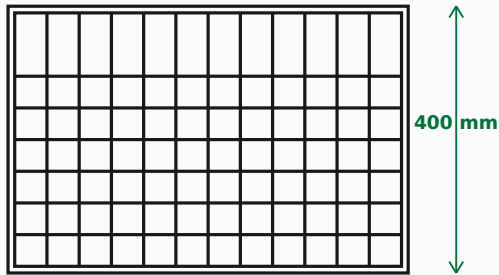
SUITABLE FOR

Stainless-steel and mild-steel products, structural-steel concepts, braais, stands, furniture, gates, balustrade features, pipework, workshop tools, custom fabricated items and repeat-production concepts.

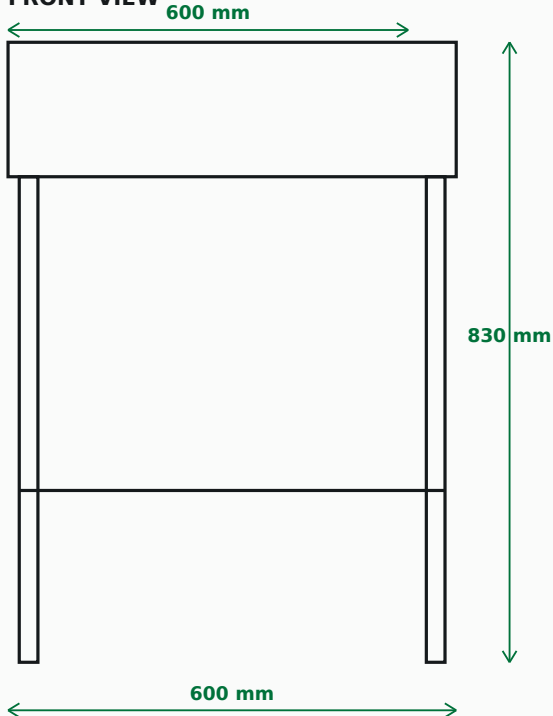
Stainless-Steel Braai Concept

Preliminary concept drawing - dimensions in millimetres

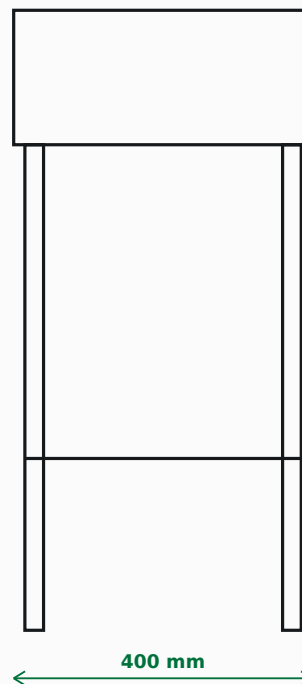
TOP VIEW



FRONT VIEW



SIDE VIEW



DESIGN BASIS

OVERALL SIZE

700 W x 450 D x 830 H

COOKING GRID

580 x 380, removable

BODY SHEET

1.5 mm stainless sheet

BRAAI BODY

600 x 400 x 180

MAIN MATERIAL

Grade 304 stainless steel

FRAME/LEGS

25 x 25 x 1.6 square tube

Concept dimensions must be confirmed against the client brief, intended use and workshop fabrication method before manufacture.

Components & Cutting List

A clear handover package to support fabrication planning

PRELIMINARY CUTTING LIST - STAINLESS-STEEL BRAAI

ITEM	COMPONENT	MATERIAL	QTY	CUT SIZE	PROCESS
01	Braai body base	304 SS sheet 1.5	1	600 x 400	Cut / weld
02	Body long sides	304 SS sheet 1.5	2	600 x 180	Cut / weld
03	Body end sides	304 SS sheet 1.5	2	400 x 180	Cut / weld
04	Charcoal tray blank	304 SS sheet 1.5	1	640 x 440 nominal	Cut / fold
05	Cooking grid frame	10 mm round bar	1 set	2 x 580; 2 x 380	Cut / weld
06	Cooking grid infill	Expanded mesh	1	560 x 360	Cut / weld
07	Legs	25 x 25 x 1.6 tube	4	650 long	Cut / weld
08	Long frame rails	25 x 25 x 1.6 tube	2	550 long	Cut / weld
09	Side frame rails	25 x 25 x 1.6 tube	2	350 long	Cut / weld
10	Side handles	10 mm round bar	2	320 developed	Bend / weld
11	Feet/end caps	Stainless caps	4	To suit tube	Fit / finish

Nominal tray blank excludes final bend allowance; confirm with the selected tooling before cutting.

WHAT THE CLIENT RECEIVES

- Product concept developed around the brief
- Dimensioned 2D fabrication drawings
- 3D isometric and exploded assembly views
- Rendered images showing the proposed finish
- Material and component specifications
- Cutting list and practical fabrication notes
- Revision stage before final approval
- PDF drawing package for workshop use

VIEW OUR WEBSITE & FOLLOW OUR WORK



INSTAGRAM

@manjarostainlesssteel

FACEBOOK

Manjaro Stainless Steel

WHATSAPP

078 086 7279

Stainless-Steel Balustrade Design

Concept, detailed drawings, 3D views and fabrication information

This example shows how a client brief is developed into coordinated visual and workshop information. The vertical-infill layout provides a clean appearance and avoids climbable horizontal members.



● Dimensioned elevation

● Plan & end views

● 3D product rendering

● Exploded assembly view

● Material schedule

● Cutting list

● Base-plate detail

● Fabrication notes

Illustrative concept only. Final dimensions, fixings and structural requirements must be verified for the specific site before manufacture.

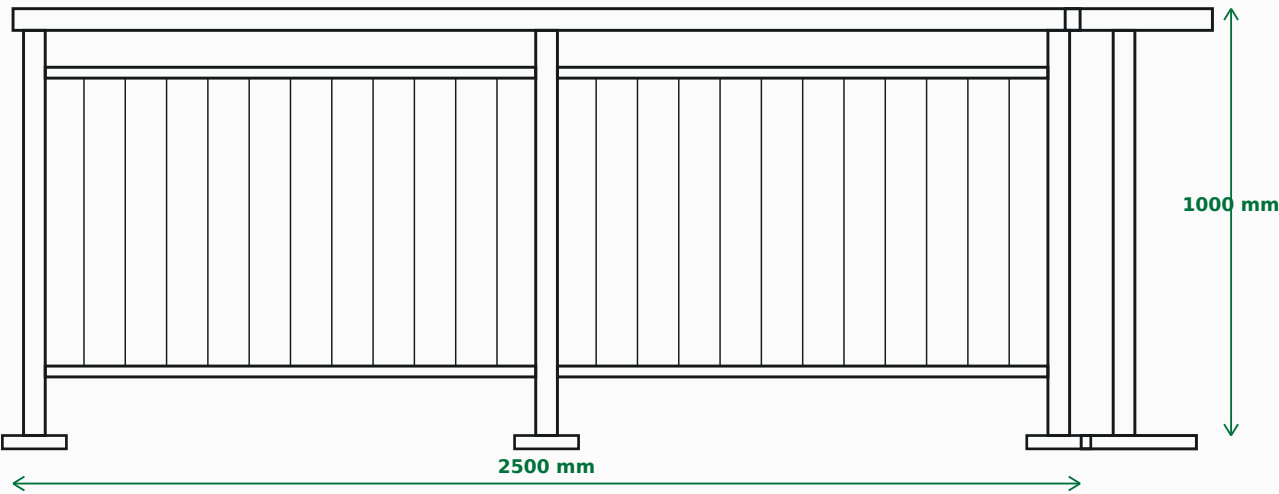
Straight Balustrade Module

Preliminary concept drawing - dimensions in millimetres

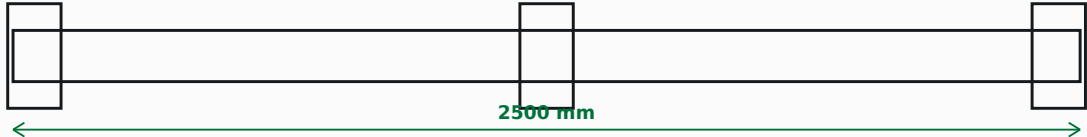


FRONT ELEVATION

END VIEW



PLAN VIEW



DESIGN BASIS

MODULE SIZE	2500 L x 1000 H	HANDRAIL/POSTS	50.8 OD x 1.5 mm tube
INFILL RAILS	25.4 OD x 1.5 mm tube	VERTICAL INFILL	12 mm solid round bar
BASE PLATES	120 x 120 x 8 mm	FINISH	Polished stainless steel

Handrail length is 2500 mm with 50 mm nominal end overhangs. Posts are shown at 1200 mm centres. Eleven vertical rods are equally spaced in each bay, giving nominal clear openings below 100 mm. Confirm all dimensions, edge distances, anchors and structural requirements against the surveyed site and applicable regulations before fabrication.

Balustrade Components & Cutting List

Preliminary workshop schedule for one 2500 mm straight module - cut sizes in mm

PRELIMINARY CUTTING LIST - GRADE 304 STAINLESS STEEL

ITEM	COMPONENT	MATERIAL	QTY	CUT SIZE	PROCESS
01	Continuous handrail	50.8 OD x 1.5 mm tube	1	2500	Cut / polish
02	Vertical posts	50.8 OD x 1.5 mm tube	3	950	Cut / weld
03	Upper infill rails	25.4 OD x 1.5 mm tube	2	1149 nominal	Notch / weld
04	Lower infill rails	25.4 OD x 1.5 mm tube	2	1149 nominal	Notch / weld
05	Vertical infill rods	12 mm solid round	22	675 nominal	Cut / weld
06	Base plates	304 SS plate, 8 mm	3	120 x 120	Cut / drill
07	Anchor holes	To suit M10 anchors	12	12 mm dia.	Drill
08	Post caps	To suit 50.8 tube	3	Standard	Fit / finish
09	Handrail supports	304 SS solid/tube	3	50 high	Cut / weld
10	M10 anchors	Site-selected grade	12	To suit substrate	Install

FABRICATION & INSTALLATION NOTES

- Survey the finished floor level, slab edges and fixing substrate before release for fabrication.
- Fabricate on a flat jig; confirm posts are square and the handrail remains straight before final welding.
- Use a stainless-steel-compatible process and consumables; clean welds and restore the specified finish.
- Dry-fit the full module, verify equal infill spacing, then complete controlled welds to limit distortion.
- Anchor type, embedment and edge distance must be approved for the actual substrate and project loading.
- Final manufacture and installation remain subject to client approval and applicable site requirements.

DRAWING STATUS: PRELIMINARY CONCEPT

Verify dimensions, loading, fixings and site conditions before workshop issue or manufacture.

Structural & Technical Drawing Services

Clear drawing packages for planning, approval, fabrication and installation

FROM SITE INFORMATION TO PRACTICAL TECHNICAL DRAWINGS

We prepare structured drawing packages for custom products, structural-steel concepts and fabrication work. The required drawing level is agreed with the client before work begins.

STRUCTURAL CONCEPT DRAWINGS

Beams, columns, frames, platforms, supports, brackets and structural-steel arrangements for review and further engineering verification.

GENERAL ARRANGEMENT DRAWINGS

Overall sizes, member positions, levels, interfaces, access clearances and the relationship between assembled components.

FABRICATION & SHOP DETAILS

Dimensioned component details, hole positions, plate sizes, weld locations, member lengths, material call-outs and workshop notes.

ASSEMBLY & EXPLODED VIEWS

Numbered components, connection sequence, assembly orientation and clear 3D views for workshop and client understanding.

PIPEWORK TECHNICAL DRAWINGS

Pipe routes, spool concepts, fittings, branches, supports, elevations, isometric views and material schedules.

SHEET-METAL & FLAT PATTERNS

Folded components, bend lines, developed blanks, cut sizes and forming notes for trays, boxes, covers and custom products.

SITE & INSTALLATION DETAILS

Fixing points, base plates, anchor layouts, interfaces, setting-out dimensions and installation reference details.

DRAWING REVISIONS

Controlled design changes following client comments, site verification or fabrication feedback before final release.

IMPORTANT DRAWING STATUS

Structural concept drawings do not replace designs, calculations, certification or approval required from an appropriately qualified professional. Site measurements and final requirements must be verified before manufacture.

LET'S BUILD YOUR NEXT PROJECT

Contact the Balustrades Division for site assessments,
custom fabrication and installation enquiries.

MITCH BROWN

Director | 072 335 5004
mitchbrown1961@gmail.com

ELTON BROWN

Site Manager | 078 086 7279
mitchbrown1961@gmail.com

COMPANY EMAIL

manjarostainless@gmail.com