NATURAL STONE COLLECTION

CNC · WATERJET · INSTALLATION PLANNING

Fabrication guide

A practical briefing guide for stone selection, drawings, approvals and coordinated fabrication.

Project-specific details are confirmed in the quotation and approved production drawings.

WORKFLOW

From selected slab to finished work

Good fabrication begins with a clear design intent, an approved material selection and coordinated drawings.

01 Brief

Share the application, site conditions, dimensions, drawings, desired finish and programme.

02 Stone selection

Choose the actual slab or lot and agree the visible face, natural features and preferred orientation.

03 Site and drawing coordination

Confirm finished dimensions, substrates, access, joints, edges, openings and adjoining trades.

04 Approval

Review the proposed layout and production drawings before material is cut.

05 Fabrication

Cut and shape components using the agreed CNC or waterjet process, then complete the specified finish and edges.

06 Delivery and installation

Plan packing, lifting, access, sequencing, jointing and protection around the approved pieces.

CNC FABRICATION

Geometry begins in the drawing

CNC cutting supports repeatable cut-to-size work, shaped components, sink and appliance openings, profiles and detailed junctions. Each item must be reviewed for the selected stone and intended assembly.

Overall geometry

Finished width, length, thickness and orientation

Openings

Location, size, corner treatment and supported clearances

Edges

Profile, visible faces, returns and junctions

Set-out

Vein direction, bookmatching, joints and continuation

Interfaces

Cabinetry, sanitaryware, steel, glass and services

Handling

Piece sizes, access, lifting points and installation sequence

Approval checkpoint: Do not release cutting until the selected material and production drawing match the site information and intended use.

WATERJET

Medallions, borders, letters and inlays

Waterjet fabrication can combine carefully selected stones into precise decorative layouts. The final design depends on the chosen materials, component scale, joint strategy and approved drawing.

01 Define the pattern

Provide vector artwork or a clear design reference with finished size.

02 Choose the palette

Approve each stone, colour relationship, direction and visible variation.

03 Resolve the assembly

Confirm joints, backing, borders, module breaks and installation reference points.

04 Approve a drawing

Review dimensions and labels before cutting; sample critical details where required.

APPLICATION PLANNING

Six common project briefs

Use these questions to prepare a clearer enquiry and reduce revisions before fabrication.

Bathrooms

Wet-area build-up, waterproofing, falls, drains, openings, slip requirements and maintenance.

Staircases

Finished risers and treads, nosings, landings, side details, substrate and sequencing.

Fireplaces

Appliance specification, clearances, heat exposure, substrate, joints and access.

Feature walls

Panel layout, fixing method, bookmatching, openings, corners, lighting and support.

Flooring

Area dimensions, pattern, joints, levels, movement, transition details and finish.

Countertops

Cabinet drawings, appliances, sinks, taps, supports, edges, seams and site access.

ENQUIRY CHECKLIST

Send enough detail to begin well

A concise package helps the team assess material, fabrication, installation and programme together.

- ☐ **Project location and application**
- ☐ **Plans, elevations or measured dimensions**
- ☐ **Preferred stone or saved shortlist**
- ☐ **Selected slab photographs where available**
- ☐ **Required finish and visible edges**
- ☐ **Cut-outs, fixtures, appliances and adjoining materials**
- ☐ **Pattern, vein direction or bookmatch intent**
- ☐ **Site access, delivery and installation conditions**
- ☐ **Target programme and decision dates**
- ☐ **Relevant performance or test-report requirements**

Start your project

Use the online calculator, save favourite stones and send one coordinated enquiry at naturalstonecollection.co.za.