## **BUILDER SPECIFICATIONS**

#### **GENERAL**

Units will be constructed to comply with the requirements of the National Building Regulations (NBR), the NHBRC and relevant by-laws of the Local Authority.

Specifications must be read in conjunction with the house plans and will take precedence over the house plans should any conflict arise.

#### **AVAILABILITY OF MATERIAL**

All specified materials are subject to availability. Should any materials not be readily available, the Builder may substitute any of the products with others of a similar value and quality after obtaining the written approval of the Developer.

#### **SITE WORKS**

- Clean and cart away all vegetation over full area to be covered by the house.
- Level and shape the entire site along with existing contours.
- Prepare platform levels for construction in-line with the engineer's levels.
- Prepare and slope drive way surface according to engineer's specification.
- Trench excavation as per engineers design.
- Approved soil poisoning will be applied under all surface beds where applicable.
  - Strictly according to the manufacturer's specification with the issuing of a soil poisoning certificate at completion.
- All building rubble and excess material will continuously be removed.







## **FOUNDATIONS & GROUND FLOOR SLAB**

- Waffle raft foundation as per engineer's specifications.
- Floor level heights as per civil engineers storm water design in accordance with NBR.

#### **SUPERSTRUCTURE**

#### External:

- Face brick (Country Classic)
- Top structure brickwork for single storey units to be 7MPa cement stock bricks.
- Top structure brickwork for double storey units to be 14MPa cement stock bricks.
- Beam filling between trusses to be cement stock bricks.

#### Internal:

- Cement stock bricks, up to two courses above the ceiling.
- Pre-stressed concrete lintels above all window and door openings and all other loadbearing openings.
- Pre-stressed concrete lintels in every shower, allowing for an area to put toiletries.
- **DPC (damp proof course):** 375 (μm) micron dpc to walls and window sills, as required by the engineer.
- **DPM (damp proof membrane):** 250 (μm) micron dpm laid under concrete surface beds.



## **WALL FINISHES**

*External*: According to architect drawings. Plaster thickness to be 10mm. Sections

to receive a smooth "wood float" plastered finish and sections to receive a

wrought floated finish.

*Internal*: Smooth "steel float" plaster finish. Plaster thickness to be 10mm.

**External window sills:** Built with face bricks, colour similar to plinth.

Internal window sills: Smooth "steel float" plastered reveals.

**Showers**: Acrylic/paintable waterproofing to shower walls and floor prior to tiling.

Wall finishes kitchen: - Splashback tiling along length of kitchen cupboards,

including grouting and silicone between tiles and

kitchen top.

- Aluminium tile edging to window reveals.

Wall tiling bathrooms: - Splashback around bath and at HWB. Tiling to bath

masonry encasement.

- Tiling to be 2.1m high in shower.

- Tiling to be 2.1m high above baths of the type C units.

- Aluminium tile edging to tiled shower shelve and

window reveals





## **ROOF STRUCTURE AND COVER**

- Trusses to be tied into walls with 2.4mm galvanized wire roof ties built minimum 300mm into walls.
- 38x38 timber brandering where required as per design.
- Hip and valley type roof construction as per engineer design.
- Concrete roof tiles and concrete ridging tiles where applicable.
- Colour of tiles as per colour scheme of complex.
- Chromadek seamless gutter system with 100mm downpipes and pre-cast rainwater channels.
- Downpipe positions to be approved by the Principal Agent.
- The roof structure to be certified by a qualified roof engineer for both manufacturing and erecting.

#### **CEILINGS**

*Ceilings*: 6.4mm Rhino Gypsum board nailed to 38x38mm brandering at 450mm

intervals and joined with metal tee strips.

*Cornice*: 75mm cove cornices to be used between wall and ceiling, gaps closed with

acrylic silicon.

*Trapdoor*: 540x540mm standard trapdoor.





## **PAINTING**

- External walls: Two coats Dulux Weather Guard, or similar approved to all plastered sections, as per colour schedule.
- <u>Internal walls</u>: Two coats quality PVA paint, as per colour schedule.
- <u>Ceilings</u>: Two coats quality white PVA paint, closing of nail heads prior.
- Metal frames, burglar bars and patio framework: One universal undercoat and two coats enamel, as per colour schedule.
- Internal doors: One universal undercoat and two coats white enamel.
- External doors: Varnished with two coats.
- <u>Exposed roof timber</u>: Two coats carbolineum oil.

#### **DOORFRAMES & DOORS**

External Lounge door: Horizontal slated Meranti hardwood door, hanged to a

Meranti doorframe complete with hinges, striking plates and lugs. Meranti hardwood weather bar at the bottom

of all external doors.

<u>External Kitchen door</u>: Horizontal slated Meranti hardwood door, hanged to a

Meranti doorframe complete with hinges, striking plates

and lugs.

*Internal doors*: 813x2032x40mm Printed hollow-core hardboard doors,

hanged to a Meranti doorframe complete with hinges,

striking plates and lugs.

- En suite bathroom to be fitted with a hillendam sliding

door mechanism.

**Shower doors**: White aluminium with glass sliding door panels.

Fixed Alum shower panel above bath to type C units







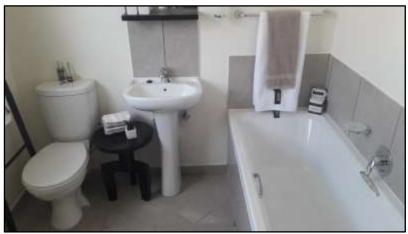
## **WINDOWS**

- Standard colour aluminium window frames, as per colour schedule.
- Clear sheet glass to all windows, obscure glass to all bathroom and toilet windows.
- All glazing to comply with NBR.

## **IRONMONGERY**

- <u>Door handles External</u>: Coupe Oulu door handle with a 3 lever cylinder lockset.
- <u>Door handles Internal</u>: Coupe Oulu door handle with a 2 lever mortise lockset.
- Standard white single rail curtain track over all windows.
- Chrome plated towel rail in bathrooms from the La Gio Bella 4300 range.
- One chrome plated toilet roll holder per toilet from the La Gio Bella 4300 range.
- One soap dish in each shower from the La Gio Bella 4300 range.
- Floating shelve with mirror.
- A chrome plated bath cover on side of bath wall.
- Aluminium weather strip to be installed in the floor at all external doors.





#### **ELECTRICAL**

- Installation of pre-paid meter and distribution board.
- Communal earth to be fitted as per regulation.
- Plug points to all bedrooms; 2 plug points to the lounge and main bedroom; and 5
  plug points to the kitchen
- One light point to kitchen, lounge, bathrooms, bedrooms, passage and above all external doors.
- One stove point with isolator.
- One geyser point with isolator.
- One digital geyser timer within the distribution board.
- Conduit for TV cable in lounge and main bedroom.
- Onesto Oracle range.
- Internal light fittings:
  - Quality aesthetically pleasing light fittings fitted with standard energy saving light bulbs from the Radiant Brite Star range.
- External light fittings:
  - Round surface mounted clear LED light. Not to be affected by external weather conditions.

## **STOVE**

Under counter electrical oven and hob with canopy extractor.









## **PLUMBING & SANITARYWARE**

- Installation of water meter per unit.
- Hot and cold water piping and waste pipes to comply with SANS 10400.
- 20mm Plascon HDPE water pipe from water meter to house.
- 15mm copper piping chased into walls to all sanitary points.
- 110mm uPVC sewer pipe from house to internal connection, incl rodding eyes.
- Flat PVC traps to sinks and showers.
- Reseal flexible traps to all washbasins and baths.
- 50mm uPVC waste piping from sanitary points.
- 50mm uPVC waste pipes to be chased into walls upwards, protruding with a bend behind the waste union.
- 150 Litre SABS solar thermosiphon geyser complete with fittings, hot water pipe lagging where applicable, and geyser fixed in roof cavity.
- Pressure valves to each unit before water enters house, overflow to gulley.
- Standard brass external hose-bib tap over gulley.
- Waste connection for washing machine and/or dishwashing machine.
- Flexihoses only from stop valves to taps/cisterns (valves finish flush to walls).







## Sanitary Fittings & taps:

## Trendline range or similar approved

- 1200 x 535mm Tredline 721 "drop on" sink DEB
- 900 x 460mm Trendline 711"drop on" sink SEB

## Ellies range or similar approved

Lotus shower head FSFSH1

#### Isca range or similar approved

- 20mm Lerato U/T stop tap CXC 15mm A4173CLE
- 15mm Sanpride style sink mixer wall type
- 15mm Legend zorro shower mixer
- 15mm Chrome shower arm 9300/CHP
- 15mm Lerato pillar tap A4482LE

## <u>Vaal range or similar appro</u>ved

- "Daisy" basin (7008) on floor mounted pedestal (715222)
- "Hibiscus Elite" (772401) close-coupled WC and white epoxy wooden seat

## Oxford range or similar approved

• 1.7m white acrylic "Coral" drop in bath with handles

## Macneil range or similar approved

Nikkie bath spout and overflow

## ISM range or similar approved

- 15mm angle valve Benkiser 5188
- ISM shower grate Code A 1015-12

## Wirquin range or similar approved

Dual flush mechanism universal Bi valve 19998034





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## **FLOOR FINISHES**

- Ceramic floor tiles to kitchen, lounge, bedrooms and bathroom/s.
- 70x16mm Pine skirting to all areas except kitchen and bathroom/s. Skirting to be painted with an enamel coat and acrylic sealant applied between tiles and skirting.

## **BUILT IN CUPBOARDS**

- Built in cupboards as indicated on the unit plan.
- Melamine carcass with impact doors, 2mm edging and quality handles.
- As per colour choice selected by the Developer.

## **KITCHEN CUPBOARDS**

- Kitchen cupboards as per the layouts provided for each specific house type.
- Melamine carcass and doors including standard handles and Rustenburg granite tops.
- As per colour choice selected by the Developer.





## **EXTERNAL WORKS**

The property will be levelled and shaped to the extent as determined by the Developer/Civil Engineer.

#### **Boundary Wall:**

- 2.1 meter face brick wall with brick force every 4<sup>th</sup> course, brick on side roller course with an overhang drip built on a 600 x 250mm mass concrete strip foot foundation as per engineer's specification.
- Expansion joints between columns every 3.5 meters.
- Face bricks to be similar as plinth face bricks (Country Classic Red).

## Walls or Fencing between units:

- 500 x 250mm mass concrete strip footings.
- 1.8 meter high walls at court yards with columns as per regulation, remaining walls
  1.2 meter face brick wall above landscaped ground level.
- Brick on side roller course with an overhang.
- Expansion joints between columns every 3.5 meters.
- Face bricks to be similar as plinth face bricks (Country Classic Red).

#### Carport/s:

- Double cantilever shadeport/s with standard steel tubing or steel square tubing structure with corrugated galvanized roof sheeting carport/s as per SDP and within the demarcated exclusive use area as indicate on the plan.
- Steelwork to be painted with 2 coats of enamel.





SABS approved shade nets as per SDP to Developers colour scheme.

Or

- Hollow steel frame carports fixed to the unit underneath the roof overhang, steel pillars at opposite bearing end.
- Galvanized corrugated sheet roof covering with 4mm Nutec board ceilings.

#### Paving:

- Carports and driveways will be paved with grey interlocking pavers (200x100x60mm).
- Patios to be paved with grey rectangular pavers (200x100x50mm).

## Gardens and Lawns:

 Ground will be prepared for trees, shrubs and lawn to be planted in the garden and communal areas as indicated on the landscape architecture plan.

#### Wash line:

- Steel foldable washing line that is fitted to the outer wall of the unit.
- 1500mm wide, with a minimum of 8 lines.

## Patio Roof:

- Area as indicated on SDP.
- Hollow steel frame patio fixed to the unit underneath the roof overhang, steel pillars at opposite bearing end.
- Galvanized corrugated sheet roof covering with 4mm Nutec board ceilings.



