

5

Technical investigation

All materials are selected to consume the least energy and cause little if any environmental damage in their production or manufacture. The buildings are designed to require the least energy consumption and to use components that are of a standard construction technique.

The areas requiring a high technical precision and places of crafted elements will be outsourced to the skilled persons and will be brought in to the site in order to create employment to the unskilled labour so to satisfy the aspirations for technological refinement and the use of local crafts persons.

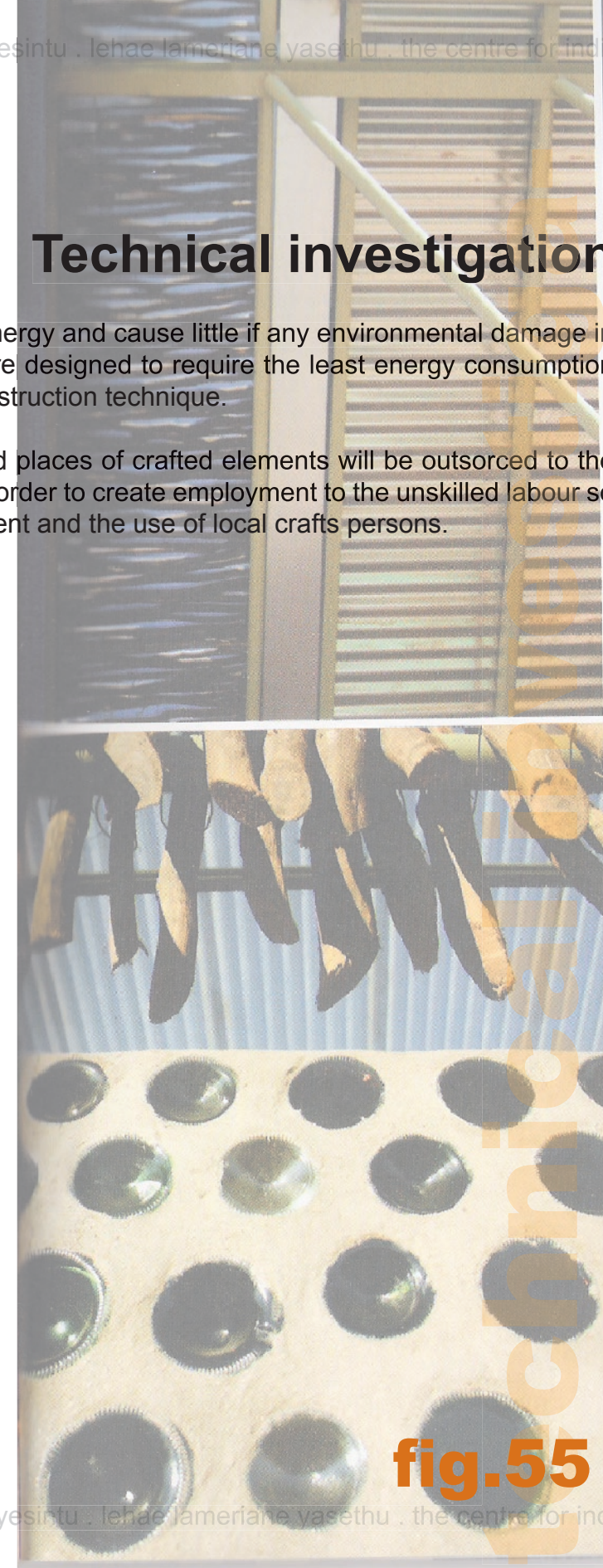


fig.55



Building materials

A robust building reflecting our times

"Using materials and building methods of this age. A reading of architecture in the city should reflect the cultural aspirations of the people who live in the city"
(Tau 2001:4)

The building should be robust, and designed to weather gracefully. The construction and the materials should reflect both the 20th century technological accomplishments and Pretoria's indigenous resources.

timber

- cladding
- sun shading
- flooring
- structure
- windows
- doors
- structure trading stands
- paving
- infill panels
- cladding

concrete

- masonry
- walls
- boundary
- walls

masonry

aluminium

timber latte

- sun shading
- fencing
- walls
- roofs

rocks

- dry packed stone walls,
- paving
- cladding
- perimeter walls

steel

- structure
- windows
- roof
- bracing

glass

- glazing
- windows
- doors
- partitioning

thatch

- roofs

ADMIN. BLOCK

finishes schedule

Finishes columns and beams

- fc1 - off shutter concrete
- fc2 - plaster & paint
- fc4 - patterned mosaic tiled

Finishes walls

- fw1 - off shutter concrete.
- fw2 - plaster & paint.
- fw3 - bagged finish.
- fw3 - flush jointed face brick.

Finishes floors

- ff1 - granolithic
- ff2 - off-concrete
- ff3 - gravel
- ff4 - loose pavers
- ff5 - carpet
- ff6 - soft wood timber

Finishes soffits

- fs - off shutter concrete
- fs - plaster & paint

Finishes ceiling

- fcl1 - off-shutter
- fcl2 - timber slats

finishes door and windows

- fdw1 - timber painted
- fdw2 - aluminium factory finish

Balustrade type

- bl1 - type 1, balconies
- bl2 - type 2, walkways and stairways.

CONSULTING ROOMS

finishes schedule

Finishes walls

- fw1 - plaster & paint.
- fw2 - bagged finish.

Finishes floors

- ff1 - granolithic
- ff2 - gravel
- ff3 - loose pavers

Finishes ceiling

- fcl1 - timber slats

Finishes door and windows

- fdw1 - timber painted

STORE & ABLUTIONS

finishes schedule

Finishes walls

- fw1 - plaster & paint.
- fw2 - bagged finish.
- fw3 - mosaic finish.

Finishes floors

- ff1 - granolithic

Finishes ceiling

- fcl1 - timber slats

Finishes door and windows

- fdw1 - timber painted



