fig. 128 axonometric of proposed intervention (view from southwest)
Linear Section -access route-

fig. 129  axonometric section of access route
Site Development Plan
First Floor: structure & movement

- Access route
- Possible service core
- ‘Plug-in’ housing modules
- Housing access platform
- Existing foundation with new screed
- Rain water pipe to harvesting trench
- Bracing according to engineer
- ‘Flexible’ space
- Social / Services
- Exhibition
- Access route
- ‘Flexible’ space

To train station
Fig. 133 Roof plan

- Existing
- Future extension?
- Solar water heater
- Rain water pipes painted red
- Ventilation & lighting towers
- Public walkway
- Rebecca Park

First floor - Residential access core
Ground floor - New access route between train & taxi stop
- Recycled steel sheeting from existing warehouses
- 100 x 20 timber lath (Rhodesian teak) @ 200 c.c
- 12mm diam. steel rod fixed to gusset plate
- Solar-water-heater
- Whirly-bird ventilator
- 50 x 25mm cold rolled rectangular tube (purlin)
- 12mm diam. steel rod fixed to gusset plate
- RCP 8 corrugated sheeting (white)
- 80 mm rockwool insulation
- 150 rain water down pipe
- Housing frame constructed from 80 mm SHS
- 250 x 30 tongue & groove Rhodesian teak fixed to SHS
- Glazing with adjustable louvres (north)
- Service pipes (fall 1:80)

- courtyard

- Fig. 135

- Axonometric

- Detailed Section

- Recycled water pipes hosting different services, allow for easy adaptation according to programme necessities (fall 1:80)
- Adjustable louvres (managing ventilation)

- Oil-water trench
- Water harvesting trench

- Skylight ensuring natural lighting
- Whirly bird extraction pipe painted black (heat absorption of northern sun)
- 100 x 50 parallel flange steel channel
- 40 x 2 mm hot rolled steel louvres
- RCP 8 corrugated sheeting (white)
- 57 kg/m rail track
- Hollow core pre-cast concrete panels
- 3000 x 250 x 75 mm rail Rhodesian teak flooring panel
- Recycled water pipes hosting different services, allow for easy adaptation according to programme necessities (fall 1:80)

- Public covered walk route
- Workers route

- Flexible space

- Concourse/courtyard

- 回

- Axonometric

- Detailed Section

- Fig. 135

- Recycled steel sheeting from existing warehouses
- 100 x 20 timber lath (Rhodesian teak) @ 200 c.c
- 12mm diam. steel rod fixed to gusset plate
- Solar-water-heater
- Whirly-bird ventilator
- 50 x 25mm cold rolled rectangular tube (purlin)
- 12mm diam. steel rod fixed to gusset plate
- RCP 8 corrugated sheeting (white)
- 80 mm rockwool insulation
- 150 rain water down pipe
- Housing frame constructed from 80 mm SHS
- 250 x 30 tongue & groove Rhodesian teak fixed to SHS
- Glazing with adjustable louvres (north)
- Service pipes (fall 1:80)

- courtyard

- Fig. 135

- Axonometric

- Detailed Section

- Recycled steel sheeting from existing warehouses
- 100 x 20 timber lath (Rhodesian teak) @ 200 c.c
- 12mm diam. steel rod fixed to gusset plate
- Solar-water-heater
- Whirly-bird ventilator
- 50 x 25mm cold rolled rectangular tube (purlin)
- 12mm diam. steel rod fixed to gusset plate
- RCP 8 corrugated sheeting (white)
- 80 mm rockwool insulation
- 150 rain water down pipe
- Housing frame constructed from 80 mm SHS
- 250 x 30 tongue & groove Rhodesian teak fixed to SHS
- Glazing with adjustable louvres (north)
- Service pipes (fall 1:80)

- courtyard

- Fig. 135

- Axonometric

- Detailed Section

- Recycled steel sheeting from existing warehouses
- 100 x 20 timber lath (Rhodesian teak) @ 200 c.c
- 12mm diam. steel rod fixed to gusset plate
- Solar-water-heater
- Whirly-bird ventilator
- 50 x 25mm cold rolled rectangular tube (purlin)
- 12mm diam. steel rod fixed to gusset plate
- RCP 8 corrugated sheeting (white)
- 80 mm rockwool insulation
- 150 rain water down pipe
- Housing frame constructed from 80 mm SHS
- 250 x 30 tongue & groove Rhodesian teak fixed to SHS
- Glazing with adjustable louvres (north)
- Service pipes (fall 1:80)
Elevation North -view from Carl street-

scale 1:100
Linear Section -through access route-

scale 1:100
Physical Model

fig. 141  southern facade from courtyard
fig. 142 perspective of central courtyard
fig. 143 north-western aerial view
fig. 144 complete site proposal (both students)