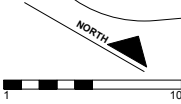
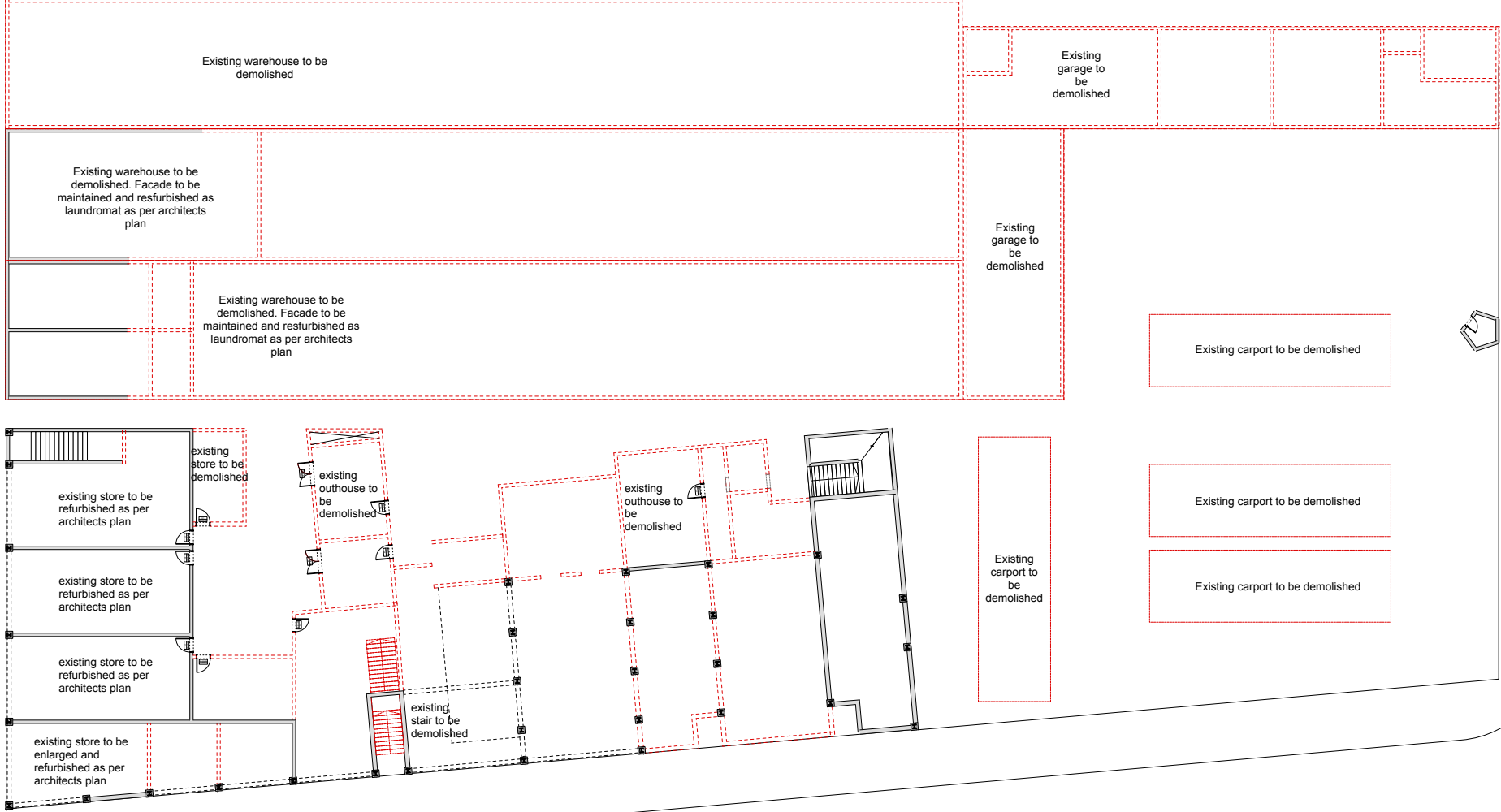
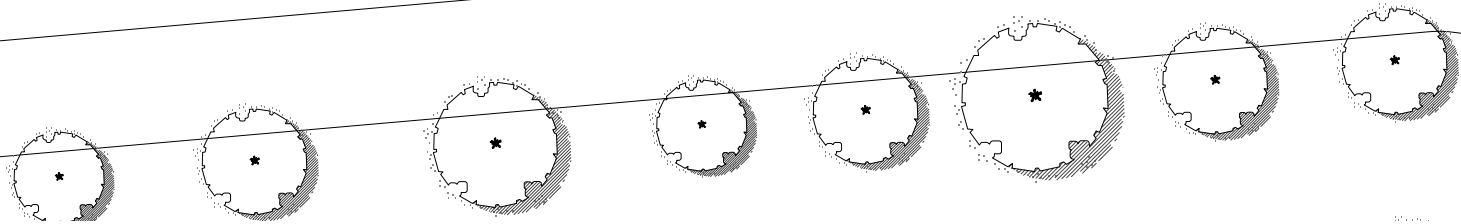
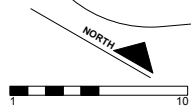
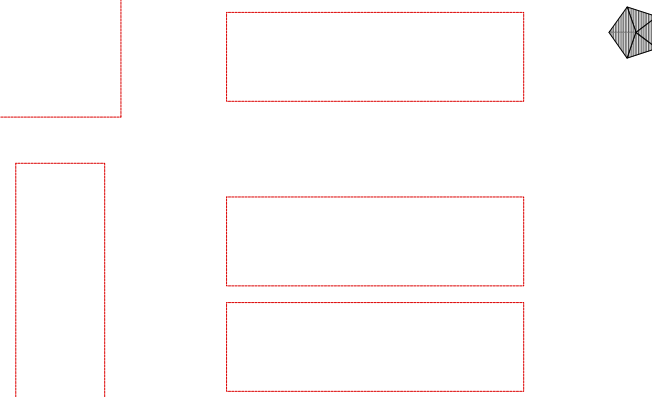
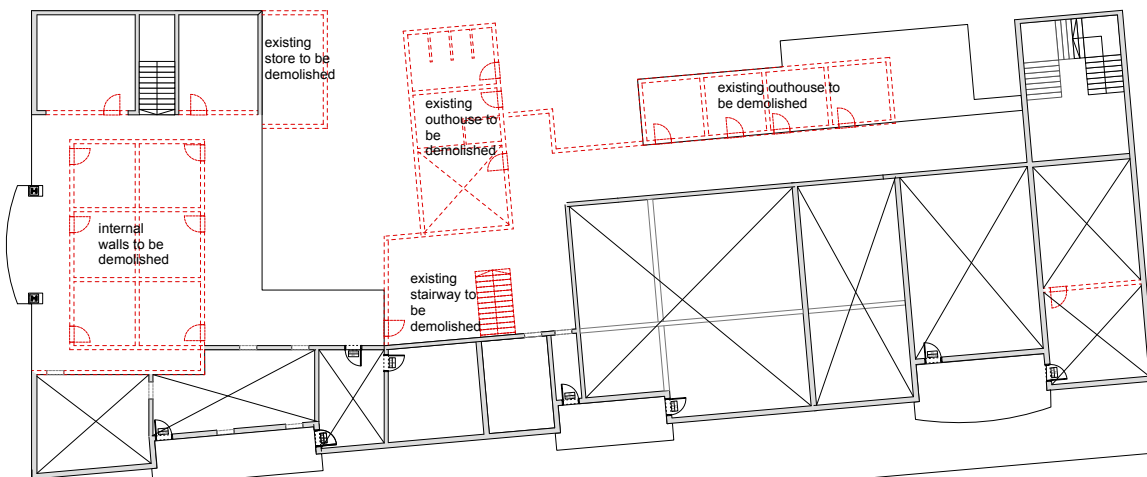
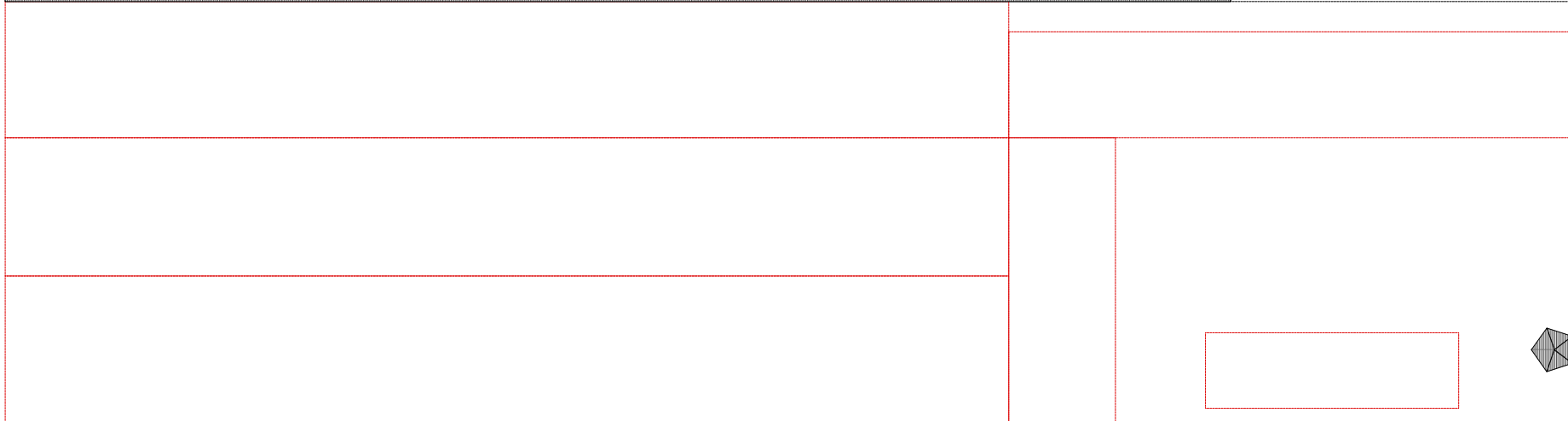


design resolution_07

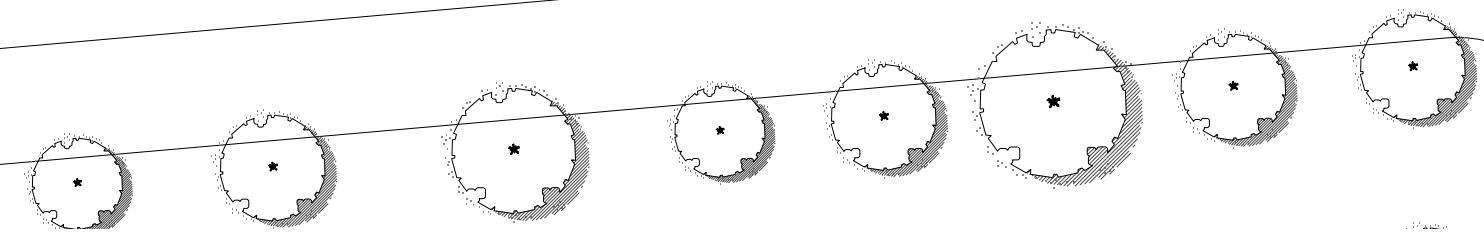


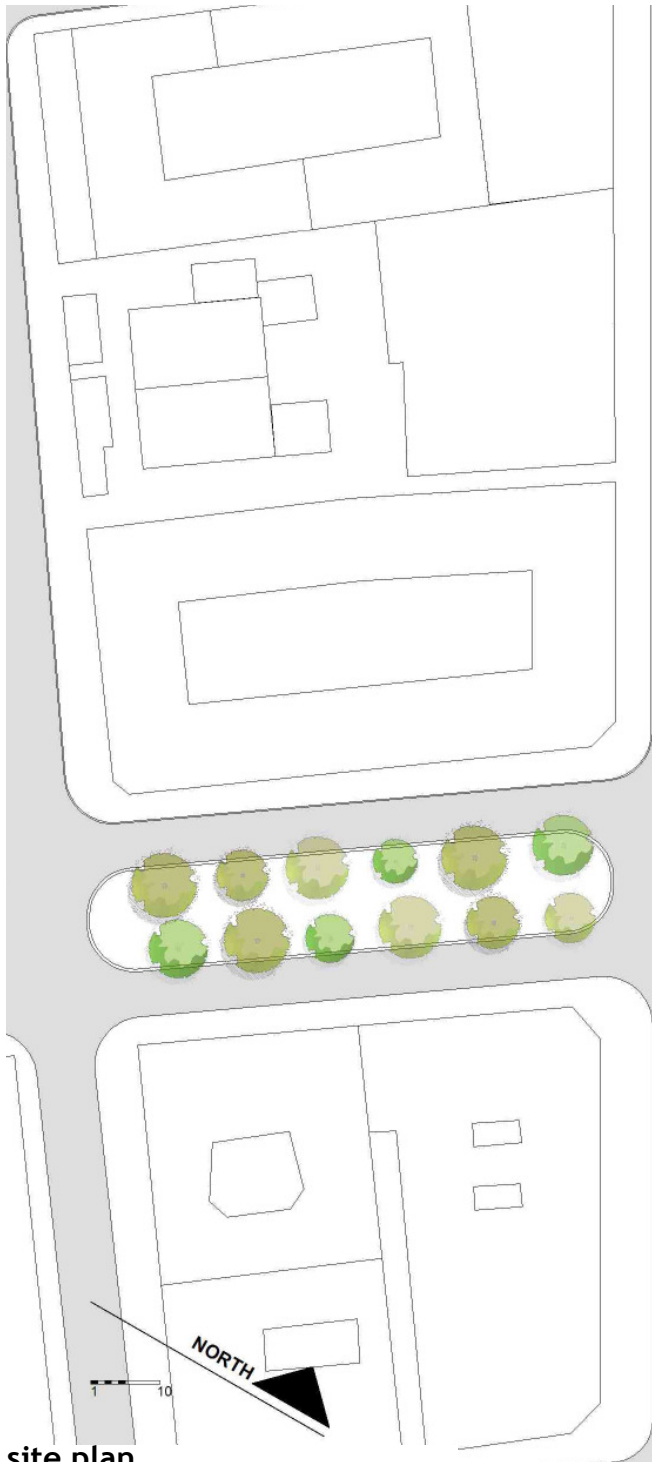
demolition plan ground floor_





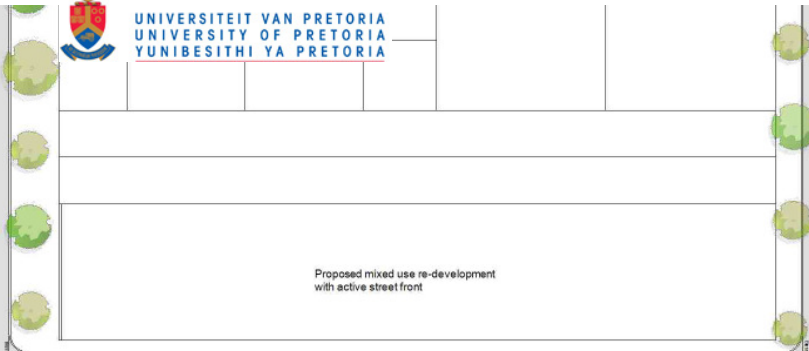
demolition plan first floor_





AVENUE 25TH SEPTEMBER

AVENUE 25TH SEPTEMBER



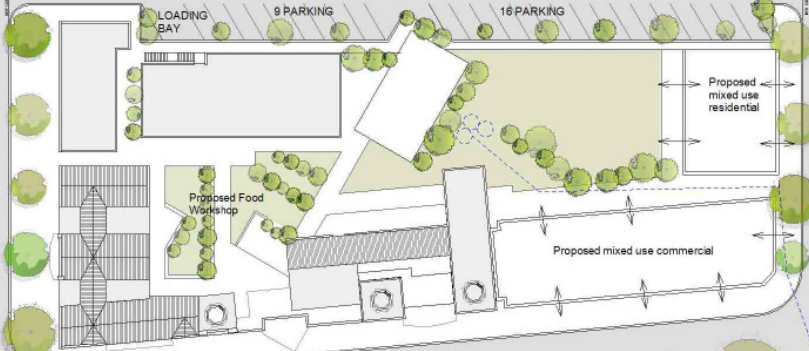
Proposed mixed use re-development with active street front

PROPOSED INTERBLOCK CONNECTING ROAD

LOADING BAY

9 PARKING

16 PARKING



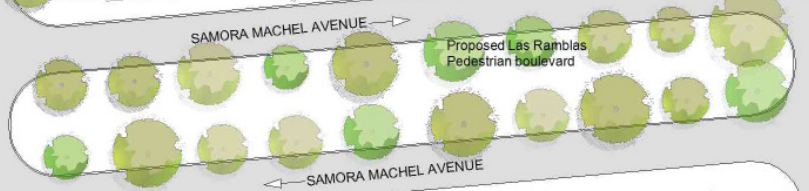
Proposed Food Workshop

Proposed mixed use residential

Proposed mixed use commercial

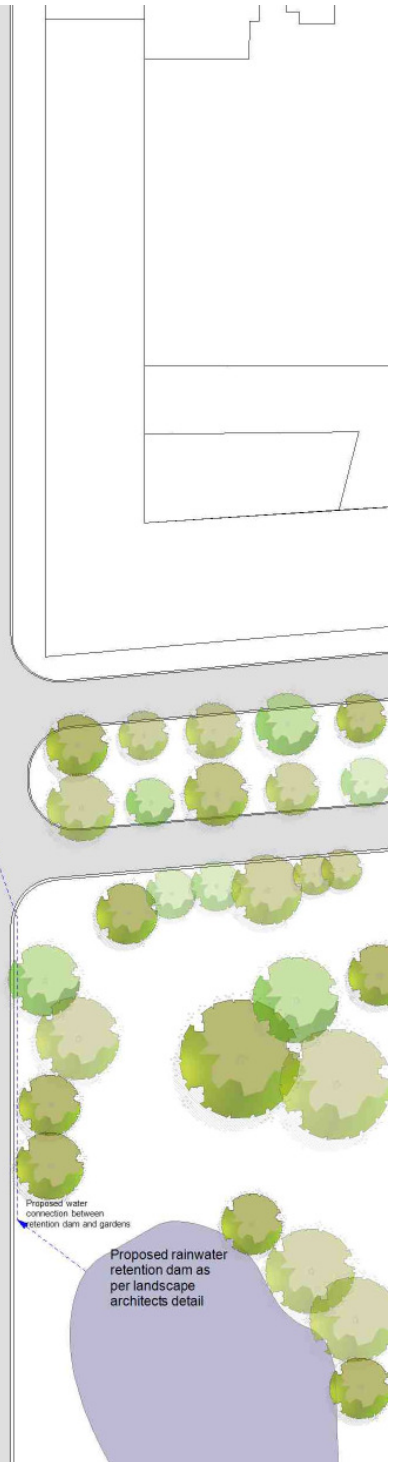
SAMORA MACHEL AVENUE

SAMORA MACHEL AVENUE



Proposed Las Ramblas Pedestrian boulevard

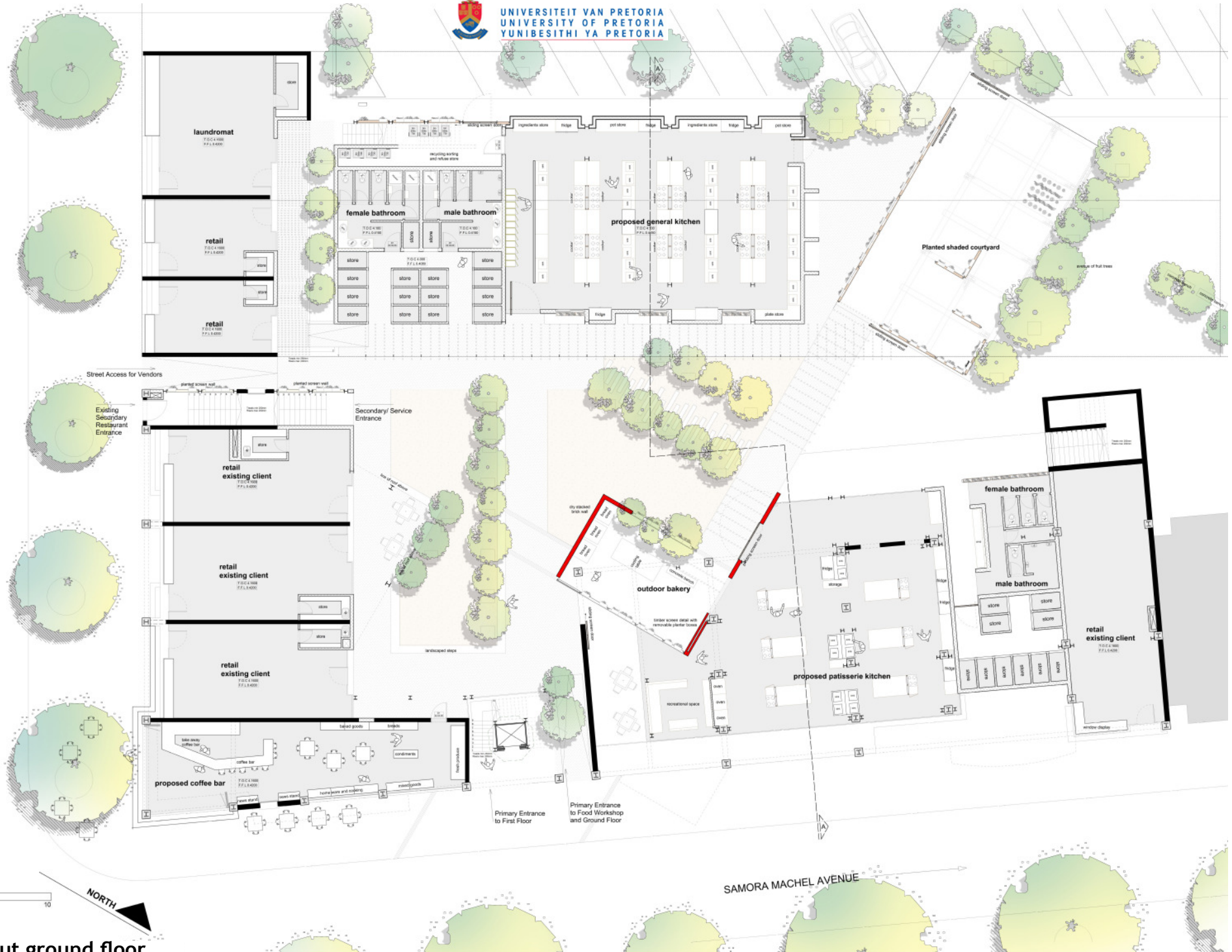
AVENUE ZEDIQUAS MANGANHELA



Proposed water connection between retention dam and gardens

Proposed rainwater retention dam as per landscape architects detail



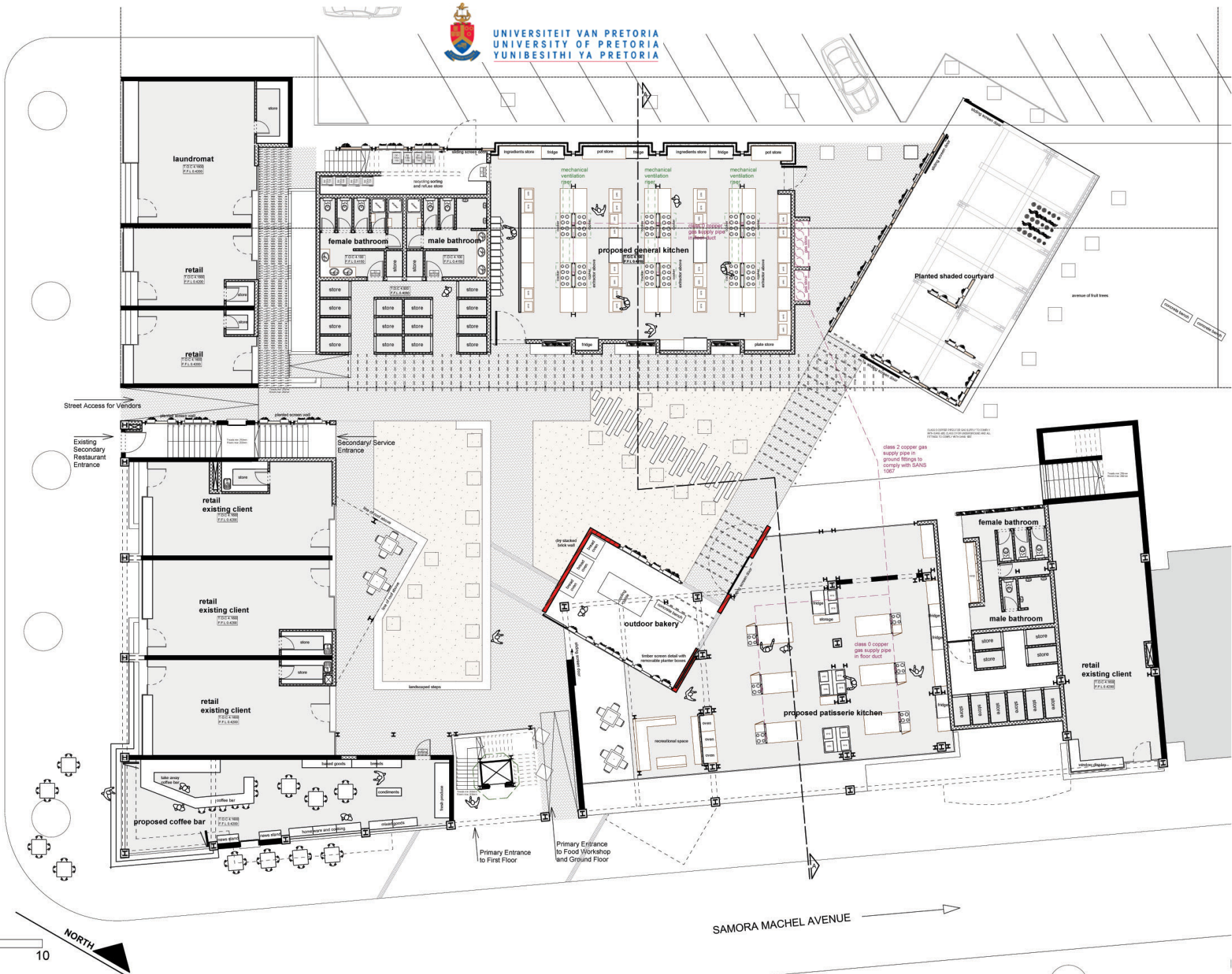


AVENUE 25TH SEPTEMBER

SAMORA MACHEL AVENUE



design layout ground floor_



services layout ground floor_



design layout first floor_



Samora Machel Avenue elevation_

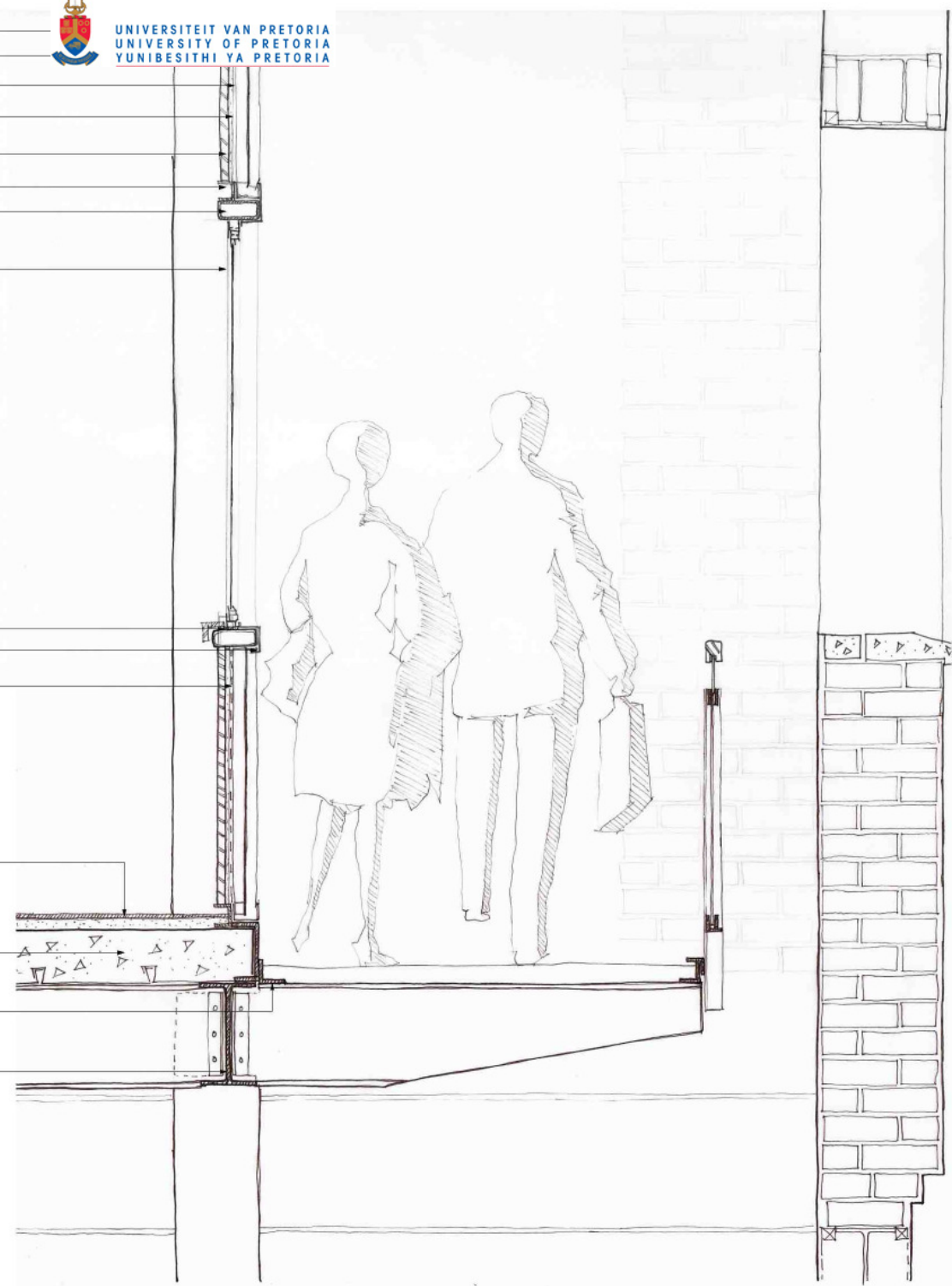






- 0,58mm CORTEN "Brownbuilt Klip-Lok" 406 sheeting as wall cladding fixed with concealed interlocking
- 38x38 South African Pine timber battens as carrier structure for cladding
- 0.375 polyolefin waterproofing membrane as vapour barrier to be lapped under galvanised steel gutter detail
- 12.5mm fibre cement board fixed as per specialist details
- 22mm internal plywood board fixed with clout nails to supporting framework. All timber to be treated with min two coats internal grade sealant as per finishing schedule
- 76x38 Galvanised mild steel channel as edge detail
- 120x60x3x8kg/m galvanised rectangular hollow section supporting window opening welded to vertical support members
- Aluminium window frame fixed with 30x30x3 angle. All metals to be separated with polysulphide separators

- 120x60x3x8.3kg/m RHS as window sill
- 2mm galvanised steel profiled flashing to be taken up and dressed to edge of window frame.
- 0.25 mm polyolefin waterproofing membrane to be dressed up to underside of window frame
- 4mm carpet tile laid on min 30mm cement screed with adhesive as per specialist details
- 170mm composite concrete slab system consisting of Bond Lok decking units type 50/300 manufactured from 1,2mm thick G275 spelter galvanised steel with interlocking male and female units as per specialist detail supported on galvanised steel angled fixed to steel beams at 1800 c/c as per engineers detail
- 70x70x4mm galvanised steel angle welded to steel channel to support walkway metal floor
- 305x165x40kg/m Galvanised steel I section at 1800c/c's bolt fixed to 254x254x73 H sections as per engineers detail. Cantilevered steel beam to be tapered at edge as per engineers detail

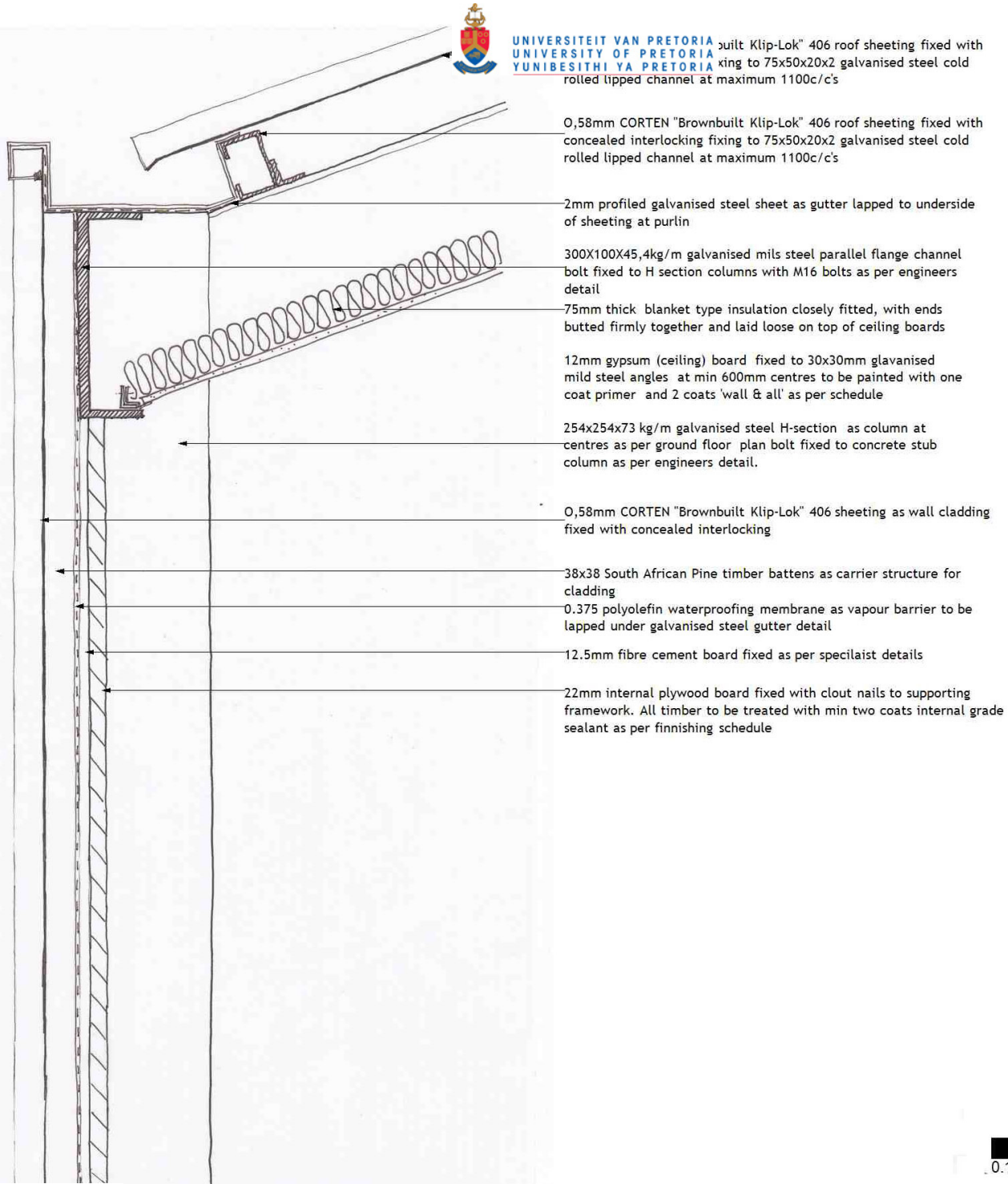


walkway detail_





UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA



0,58mm CORTEN "Brownbuilt Klip-Lok" 406 roof sheeting fixed with concealed interlocking fixing to 75x50x20x2 galvanized steel cold rolled lipped channel at maximum 1100c/c's

2mm profiled galvanized steel sheet as gutter lapped to underside of sheeting at purlin

300X100X45,4kg/m galvanized mild steel parallel flange channel bolt fixed to H section columns with M16 bolts as per engineers detail

75mm thick blanket type insulation closely fitted, with ends butted firmly together and laid loose on top of ceiling boards

12mm gypsum (ceiling) board fixed to 30x30mm galvanized mild steel angles at min 600mm centres to be painted with one coat primer and 2 coats 'wall & all' as per schedule

254x254x73 kg/m galvanized steel H-section as column at centres as per ground floor plan bolt fixed to concrete stub column as per engineers detail.

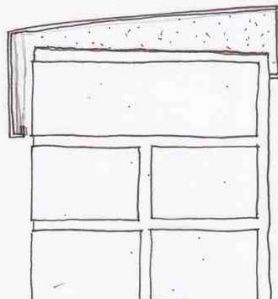
0,58mm CORTEN "Brownbuilt Klip-Lok" 406 sheeting as wall cladding fixed with concealed interlocking

38x38 South African Pine timber battens as carrier structure for cladding

0.375 polyolefin waterproofing membrane as vapour barrier to be lapped under galvanized steel gutter detail

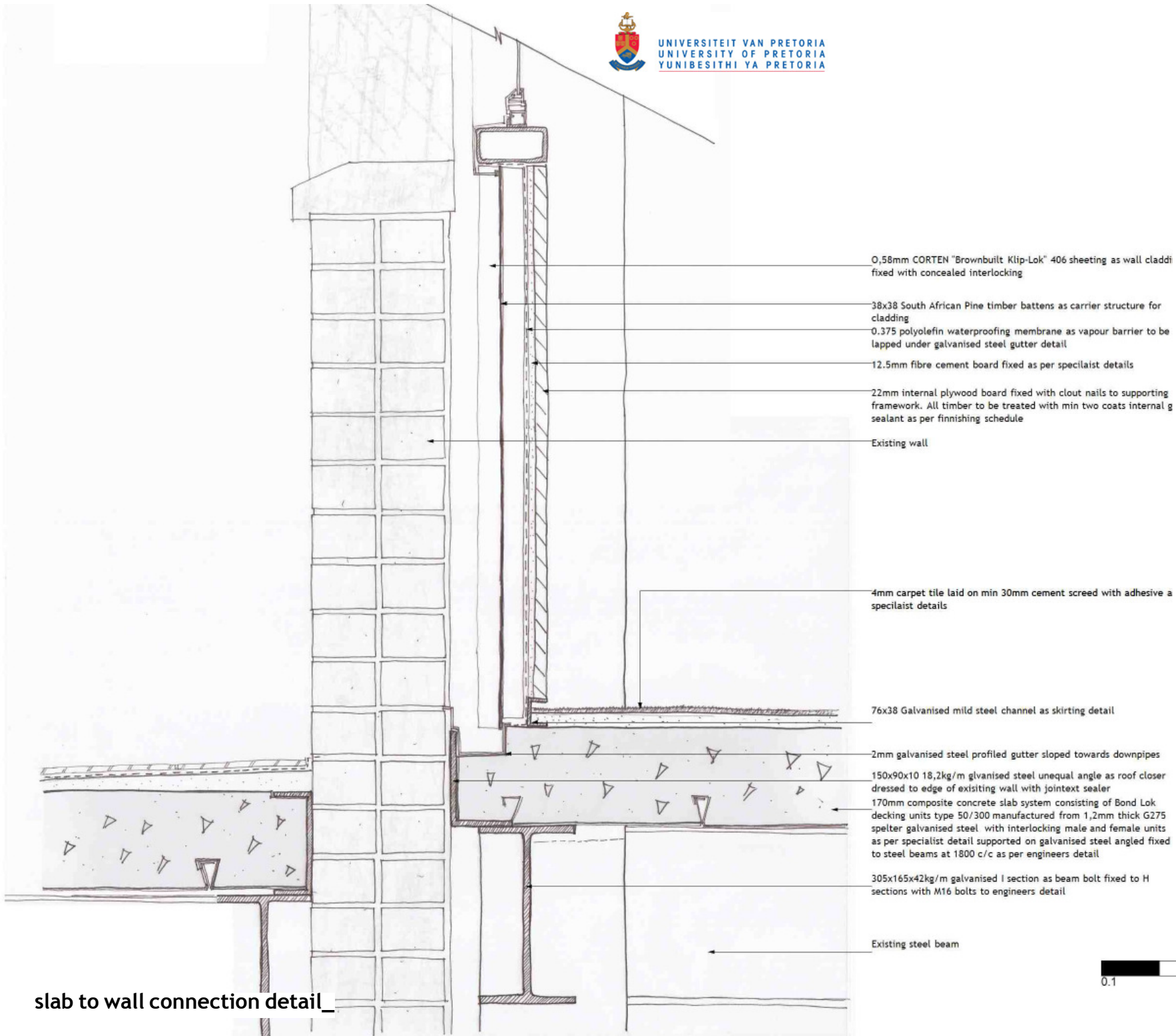
12.5mm fibre cement board fixed as per specialist details

22mm internal plywood board fixed with clout nails to supporting framework. All timber to be treated with min two coats internal grade sealant as per finishing schedule



eaves detail_
113

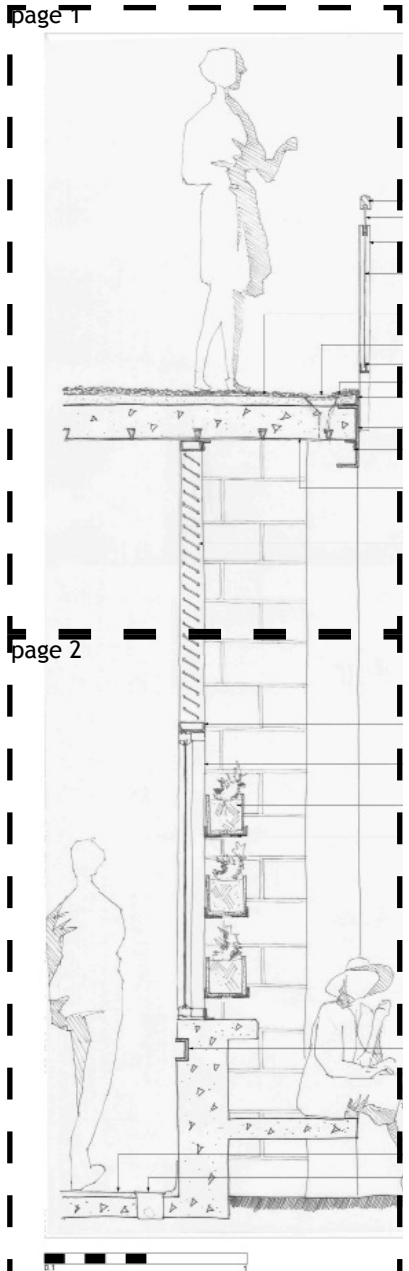




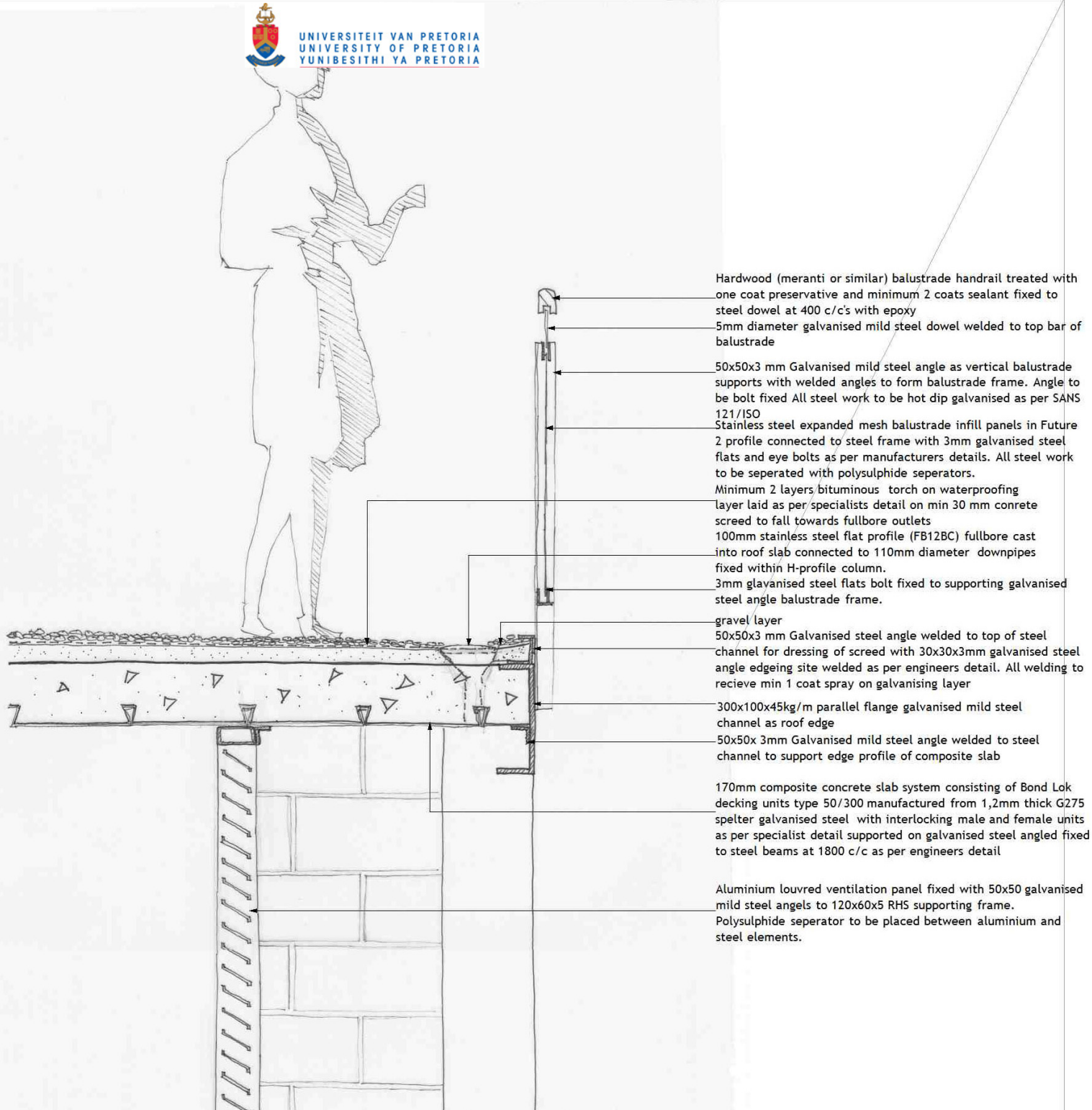
slab to wall connection detail_



page 1

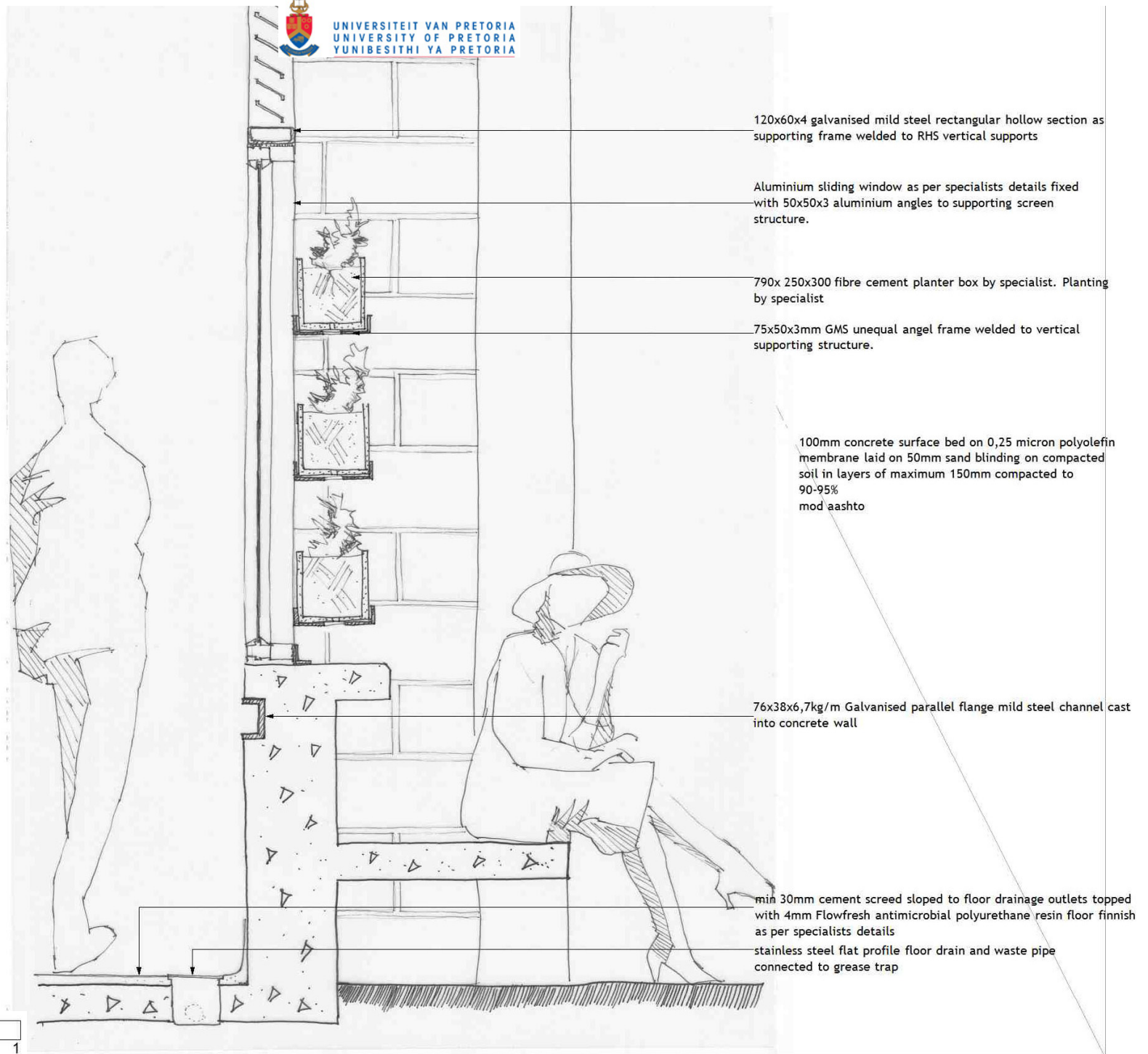


page 2



- Hardwood (meranti or similar) balustrade handrail treated with one coat preservative and minimum 2 coats sealant fixed to steel dowel at 400 c/c's with epoxy
- 5mm diameter galvanised mild steel dowel welded to top bar of balustrade
- 50x50x3 mm Galvanised mild steel angle as vertical balustrade supports with welded angles to form balustrade frame. Angle to be bolt fixed All steel work to be hot dip galvanised as per SANS 121/ISO
- Stainless steel expanded mesh balustrade infill panels in Future 2 profile connected to steel frame with 3mm galvanised steel flats and eye bolts as per manufacturers details. All steel work to be separated with polysulphide separators.
- Minimum 2 layers bituminous torch on waterproofing layer laid as per specialists detail on min 30 mm concrete screed to fall towards fullbore outlets
- 100mm stainless steel flat profile (FB12BC) fullbore cast into roof slab connected to 110mm diameter downpipes fixed within H-profile column.
- 3mm galvanised steel flats bolt fixed to supporting galvanised steel angle balustrade frame.
- gravel layer
- 50x50x3 mm Galvanised steel angle welded to top of steel channel for dressing of screed with 30x30x3mm galvanised steel angle edging site welded as per engineers detail. All welding to receive min 1 coat spray on galvanising layer
- 300x100x45kg/m parallel flange galvanised mild steel channel as roof edge
- 50x50x 3mm Galvanised mild steel angle welded to steel channel to support edge profile of composite slab
- 170mm composite concrete slab system consisting of Bond Lok decking units type 50/300 manufactured from 1,2mm thick G275 spelter galvanised steel with interlocking male and female units as per specialist detail supported on galvanised steel angled fixed to steel beams at 1800 c/c as per engineers detail
- Aluminium louvred ventilation panel fixed with 50x50 galvanised mild steel angels to 120x60x5 RHS supporting frame. Polysulphide separator to be placed between aluminium and steel elements.

strip planter wall detail (page 1)_



0.1

1

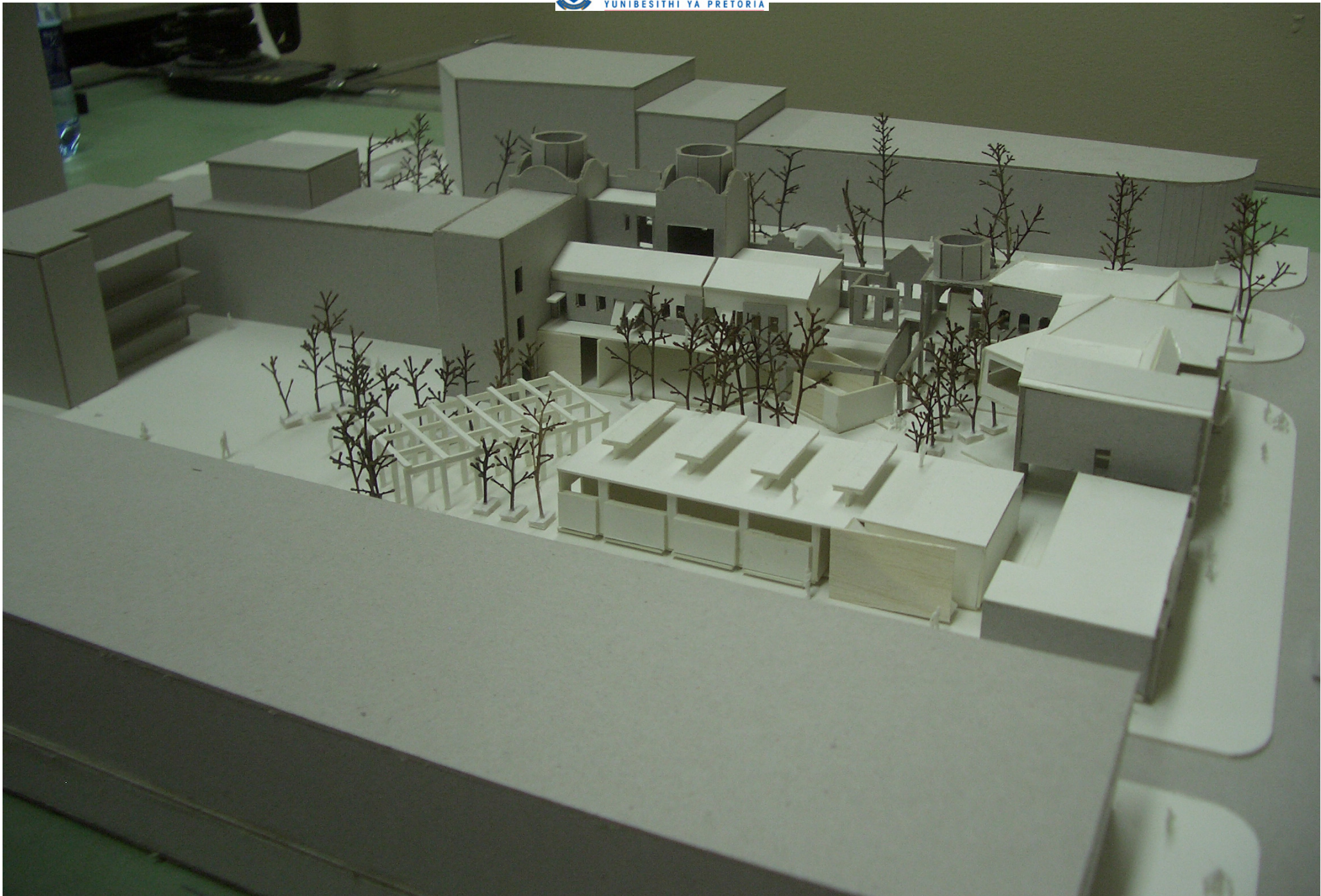
strip planter wall detail (page 2)_



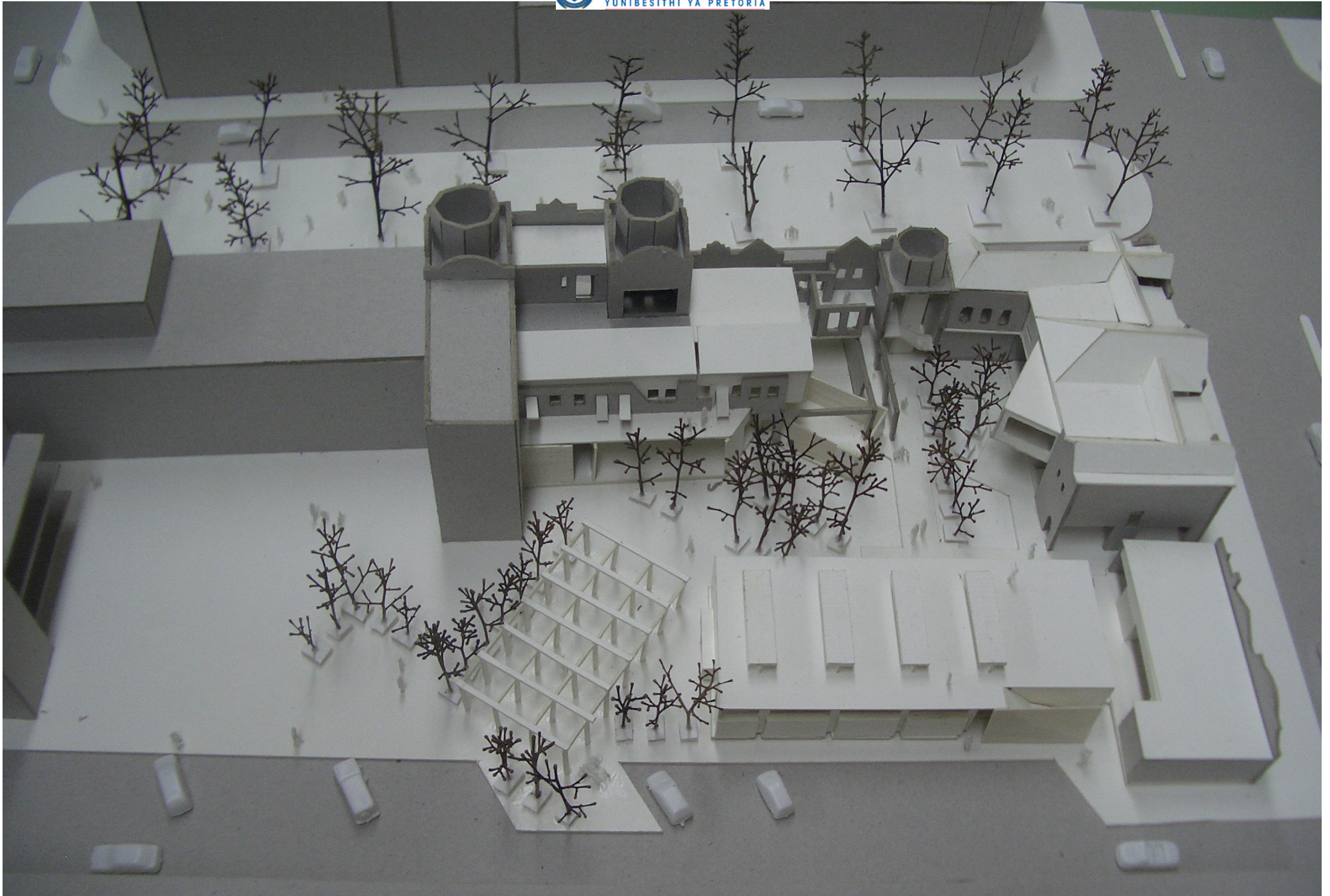
model perspectives cnr Avenue 25 September and Samaora Machel Avenue_



model perspective Samora Machel Avenue_



model perspective rear courtyard_



model perspective birds eye view of design intervention_