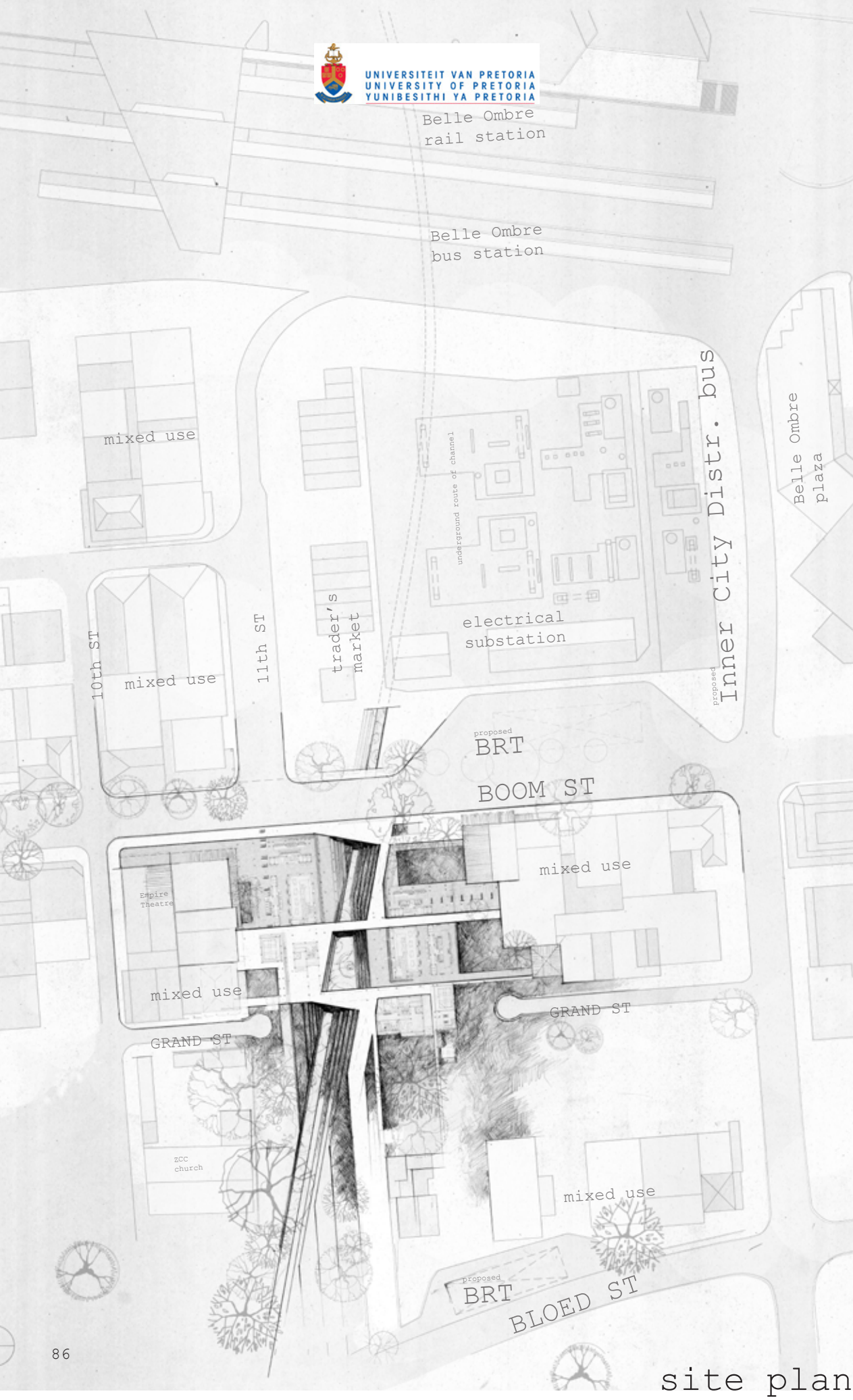
05. Conclusion


Belle Ombre
rail station
Belle Ombre
bus station
mixed use
10th ST
mixed use
11th ST
trader's
market
underground route of channel
electrical
substation
proposed
Inner City Distr. bus
Belle Ombre
plaza
proposed
BRT
BOOM ST
Empire
Theatre
mixed use
mixed use
GRAND ST
GRAND ST
ZCC
church
mixed use
proposed
BRT
BLOED ST

site plan

Figure 98. (opposite) site plan
not to scale.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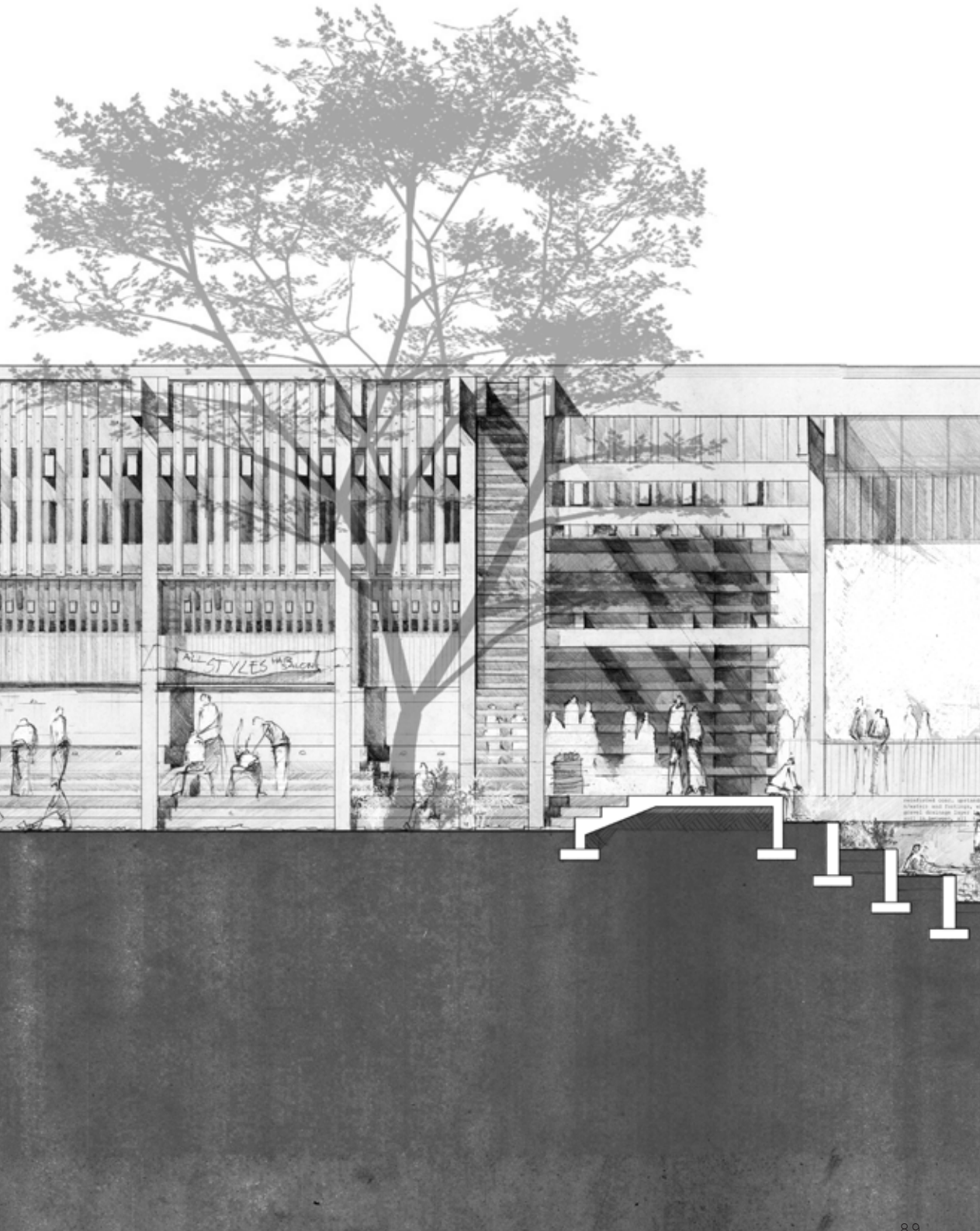
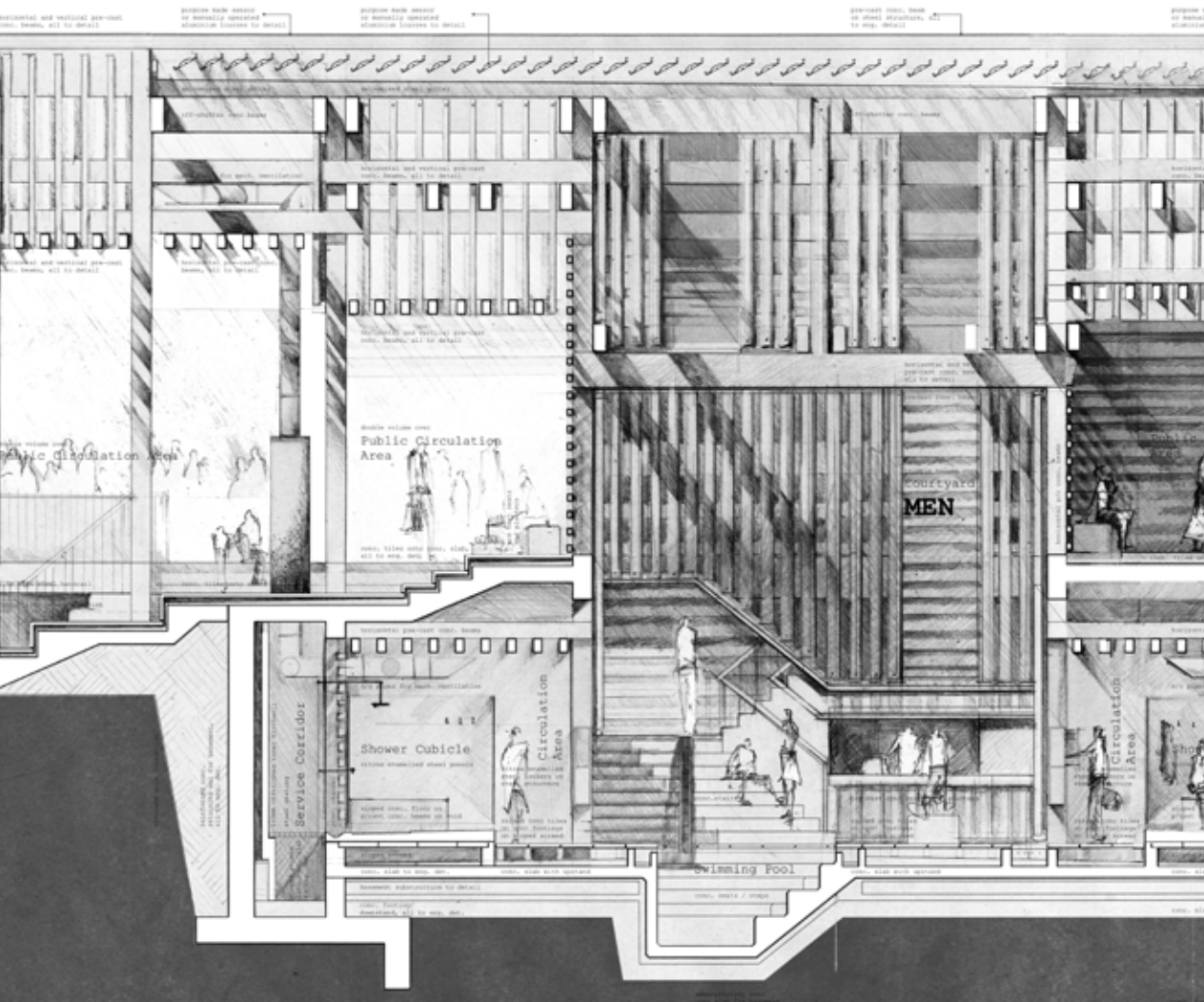
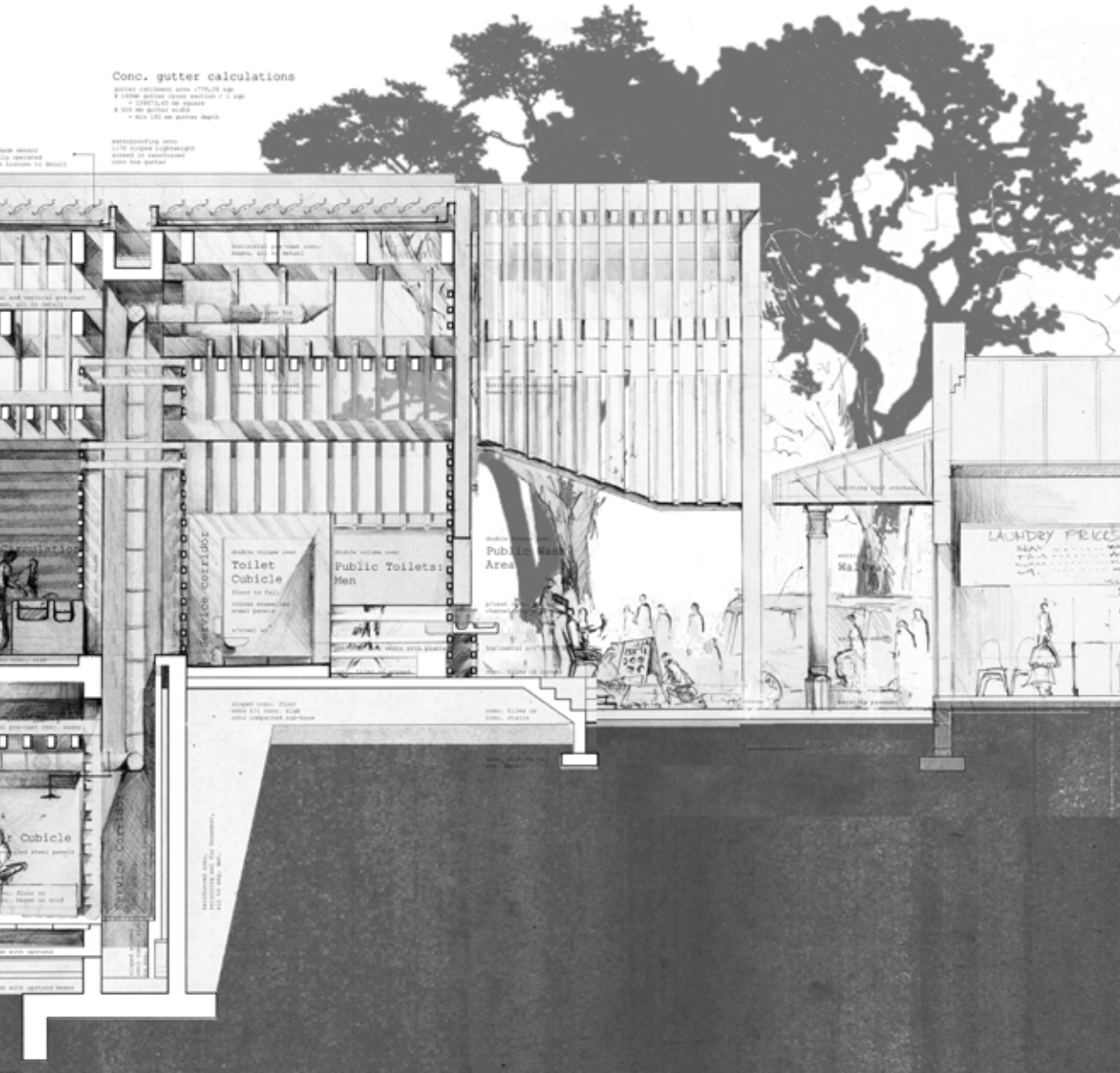
section A-A

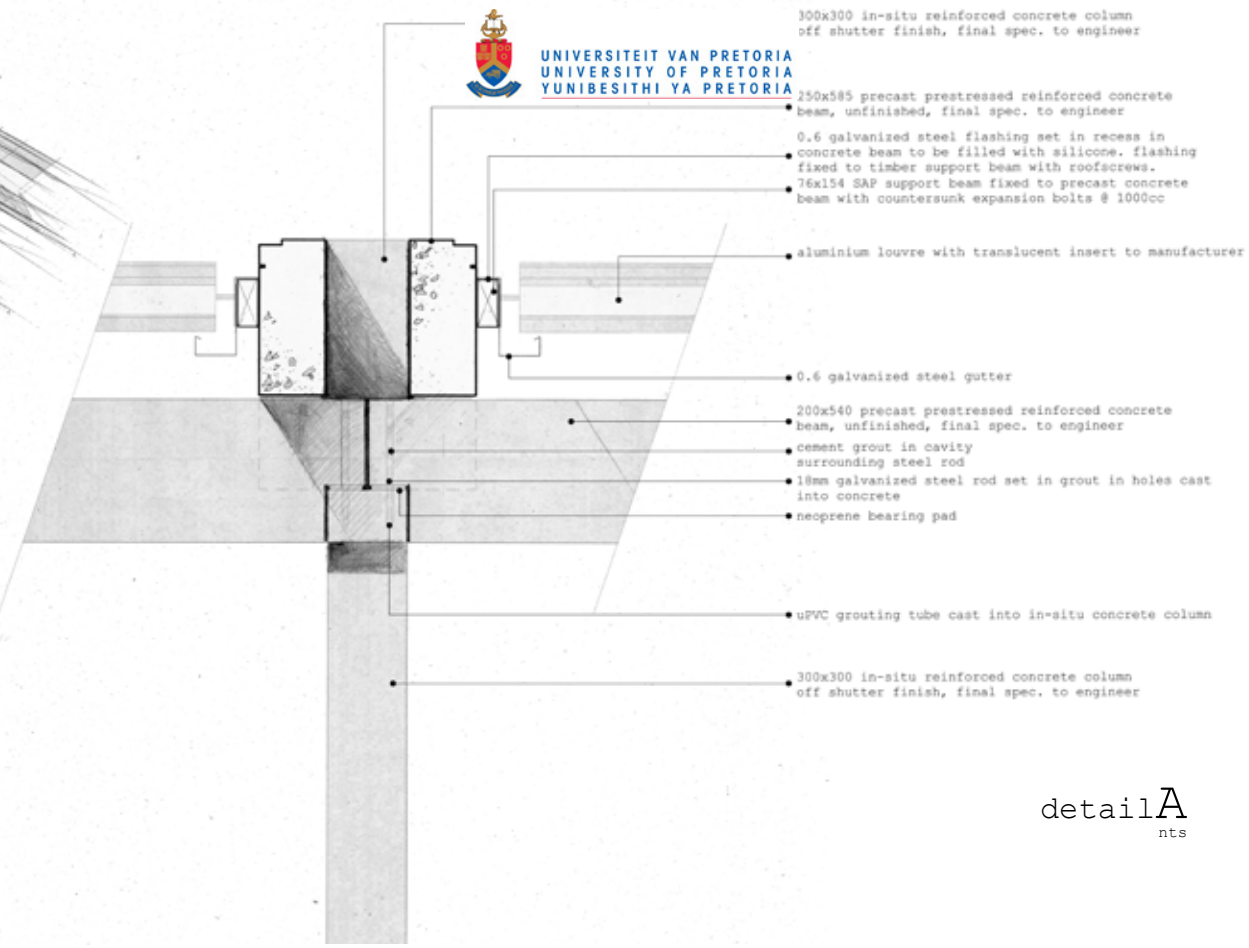

SALE

Figure 99. (opposite, below and next page) Section a-a nts.

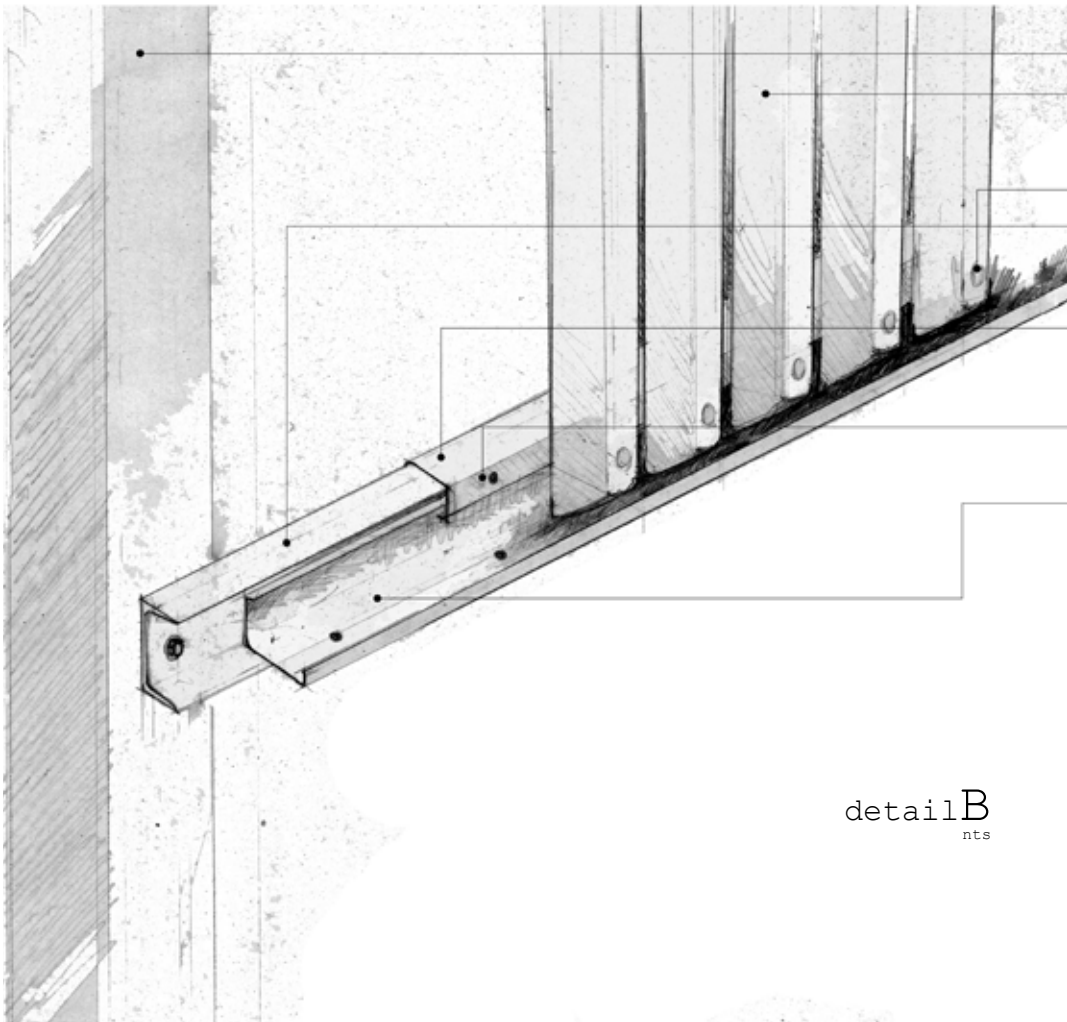



Public Circulation Area
Public Circulation Area
Courtyard
MEN
Service Corridor
Shower Cubicle
Circulation Area
Swimming Pool
Circulation Area

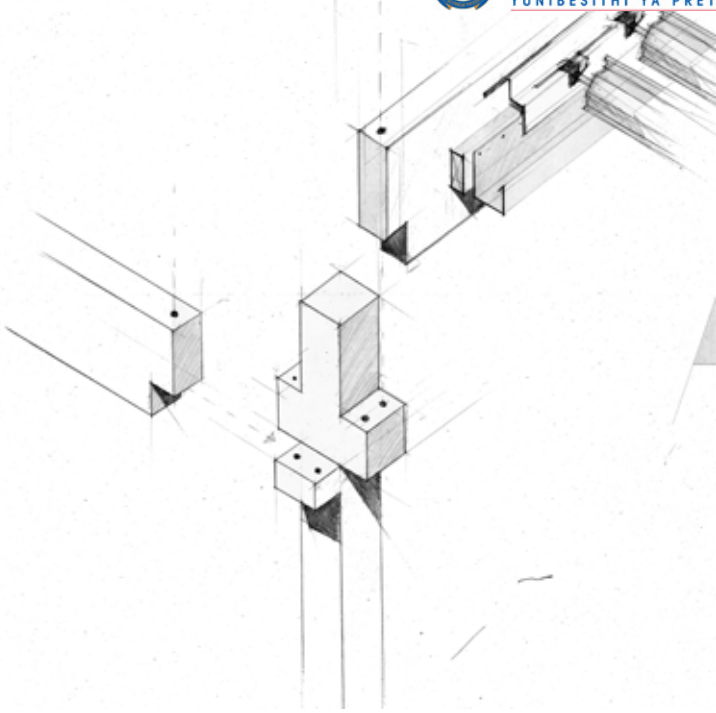

Conc. gutter calculations
Toilet Cubicle
Public Toilets: Men
Service corridor
LAUNDRY PRICES



detail A
nts



detail B
nts



300x300 in-situ reinforced concrete column

100x125 prestessed precast concrete post
unfinished, bolter to steel support beam with
galvanized steel bolts to engineer, steel and PVC
washers at all connections.

cement grout fill

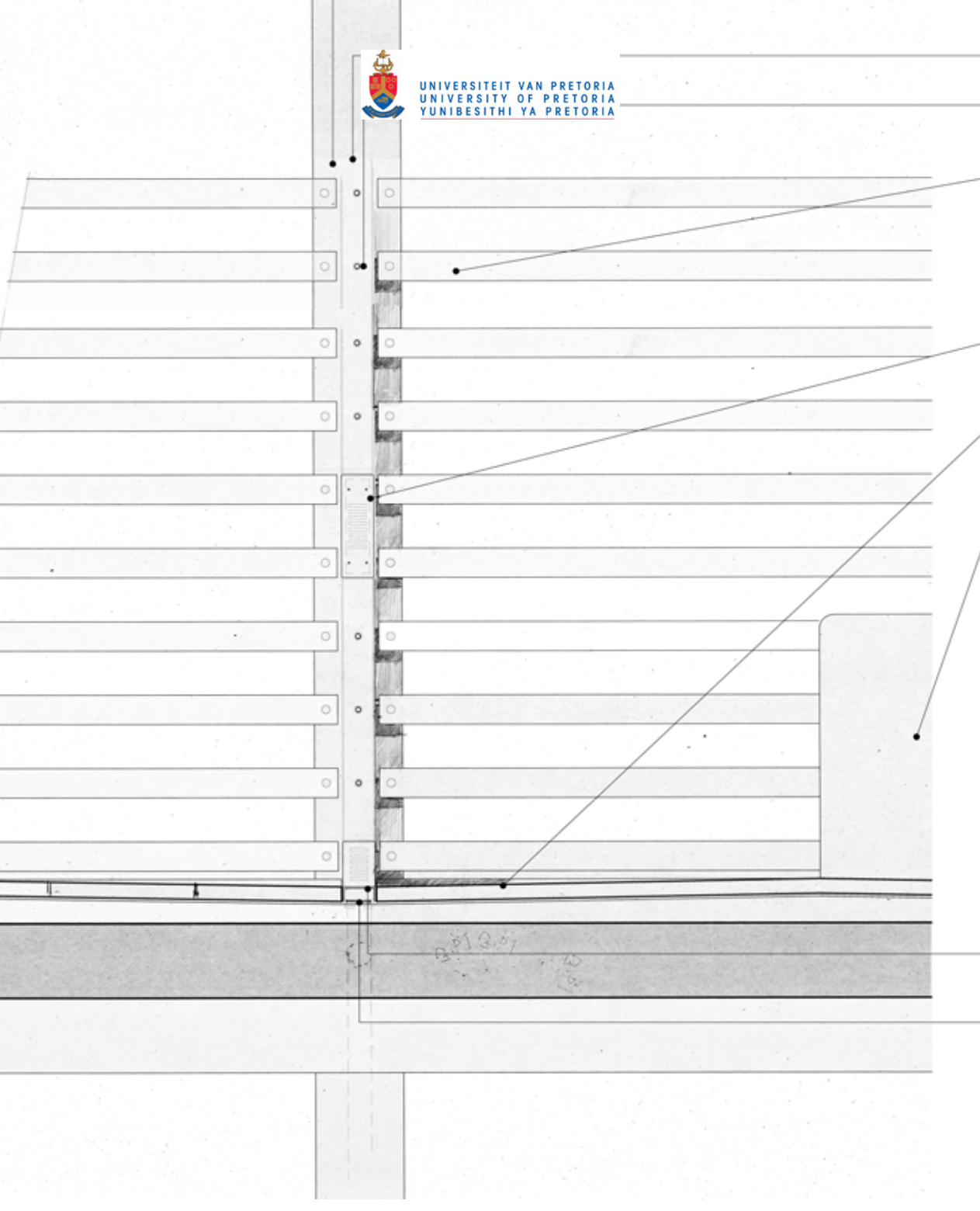
10x180x22,0 hot rolled taper flange structural
steel cahnnel bolted to concrete column with expansion
bolts, 2mm steel washer betwee channel and column as
spacer, also allowing for expansion through oval hole in channel

75x50x20x2,0 galvanized cold formed unequal
lip angle bolted to channel, to act as fixing bracket
for concrete posts.

hole for concrete post connection bolt

175x75x27x2,0 galvanized cold formed unequal
lip angle bolted to channel, toform shadowline, 15mm
holes drilled for drainage at 500cc

Figure 100. (including opposite)
deatails A & B. nts.



detailC
nts

76x102x6,7 hot rolled galv[illegible] steel channel
fixed to column with expa[illegible]

expansion bolts @500 cc wi[illegible]

100x150 precast prestress concrete beam fixed
to column to detail, on threaded rod cast into concrte column
Pvc and steel washers to all connections.

76x102x6,7 hot rolled galvanized steel channel, perforated and
accomodates light fitting, fixed to column with welded steel
bracket with countersunk self tapping steel screws
removable for maintenance of wp LED light fitting

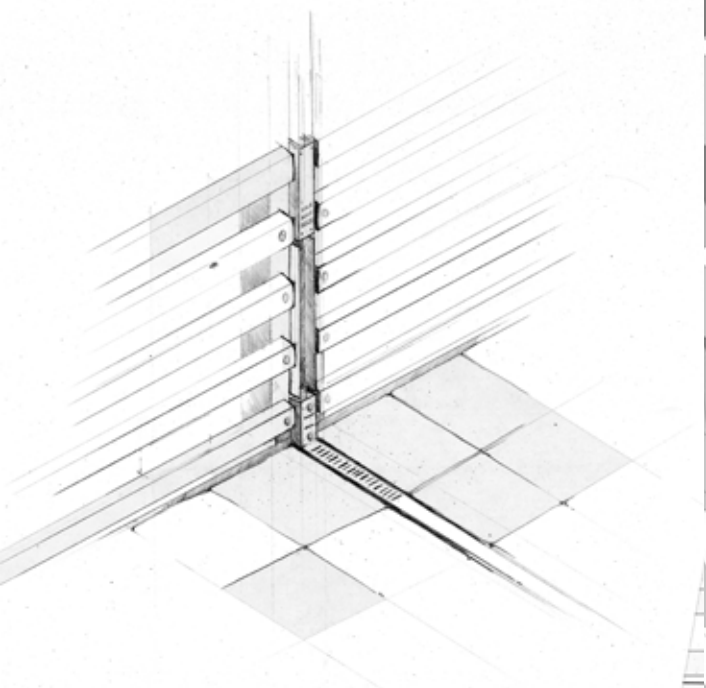
490x490x50 precast concrete tiles on cement
screed to 1:70 fall to floor drain

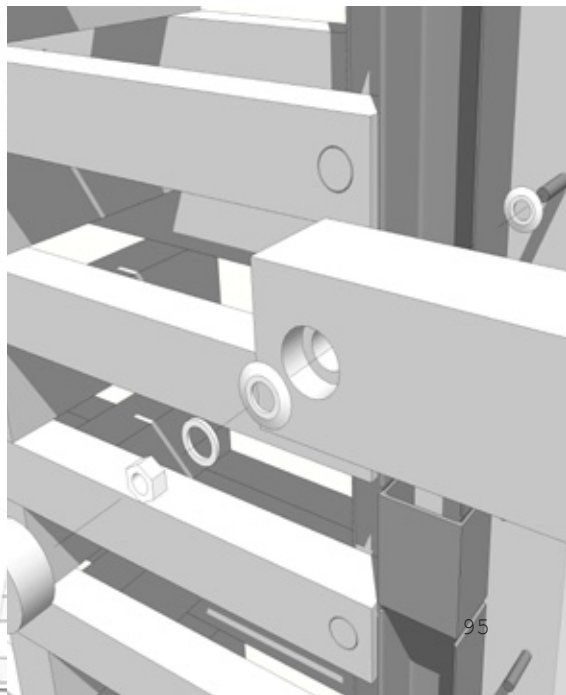
in-situ concrete washing troughs, polystyrene blocks
to act as void filling.

76x102x6,7 perforated galvanized steel channel fixed to
concrete column with M8 expansion bolts where welded
vertical extension connects to column. all welding to be
done befone galvanizing.

uPVC floor drain set in cement screed, 80mm uPVC
downpipe in column to basement drain and
greywater reticulation system

Figure 101. (including opposite)
detail C. nts.





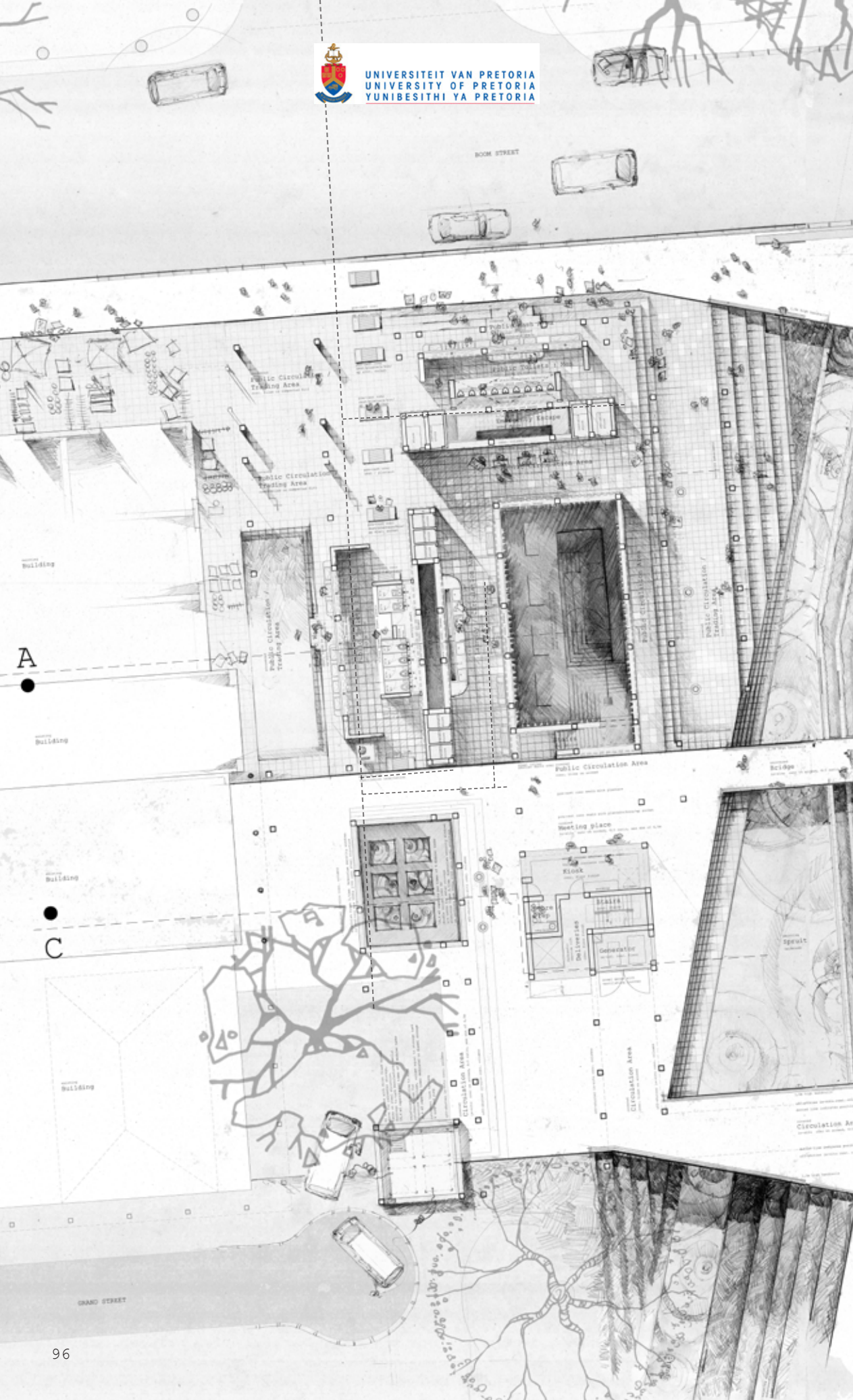
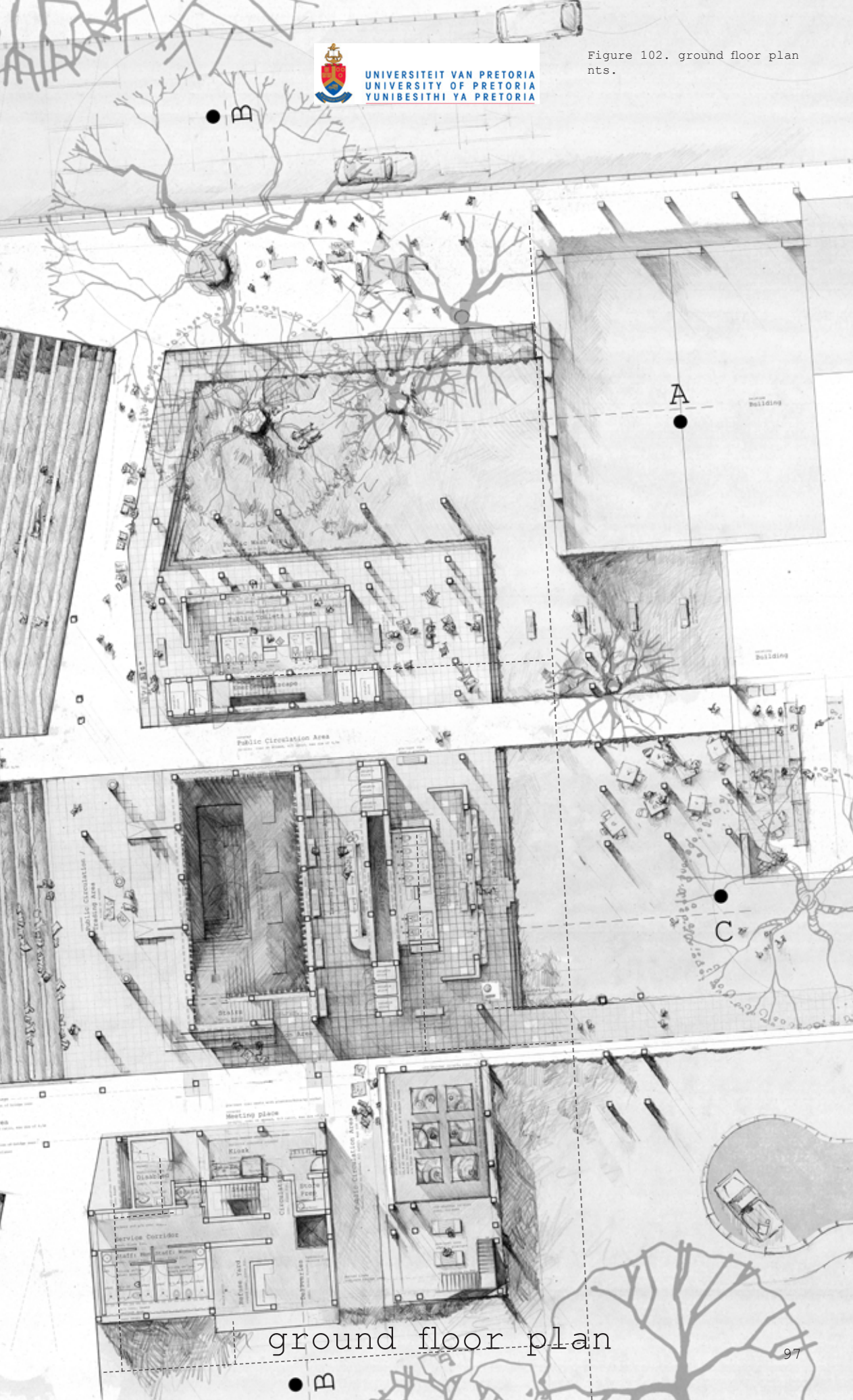

BOOM STREET
A
C
Public Circulation Area
Meeting place
Kiosk
Bridge
Circulation Area
GRAND STREET

Figure 102. ground floor plan nts.



ground floor plan

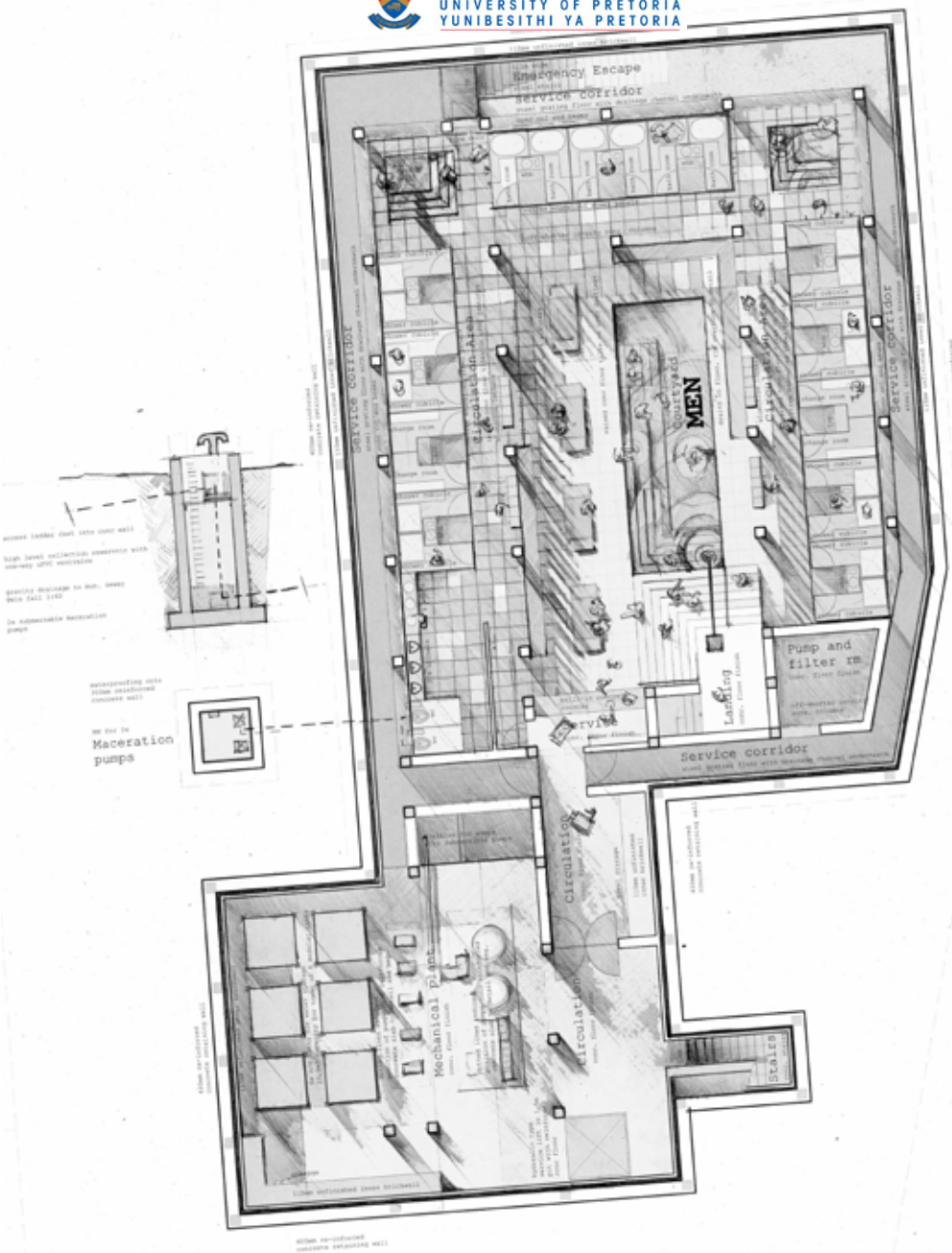
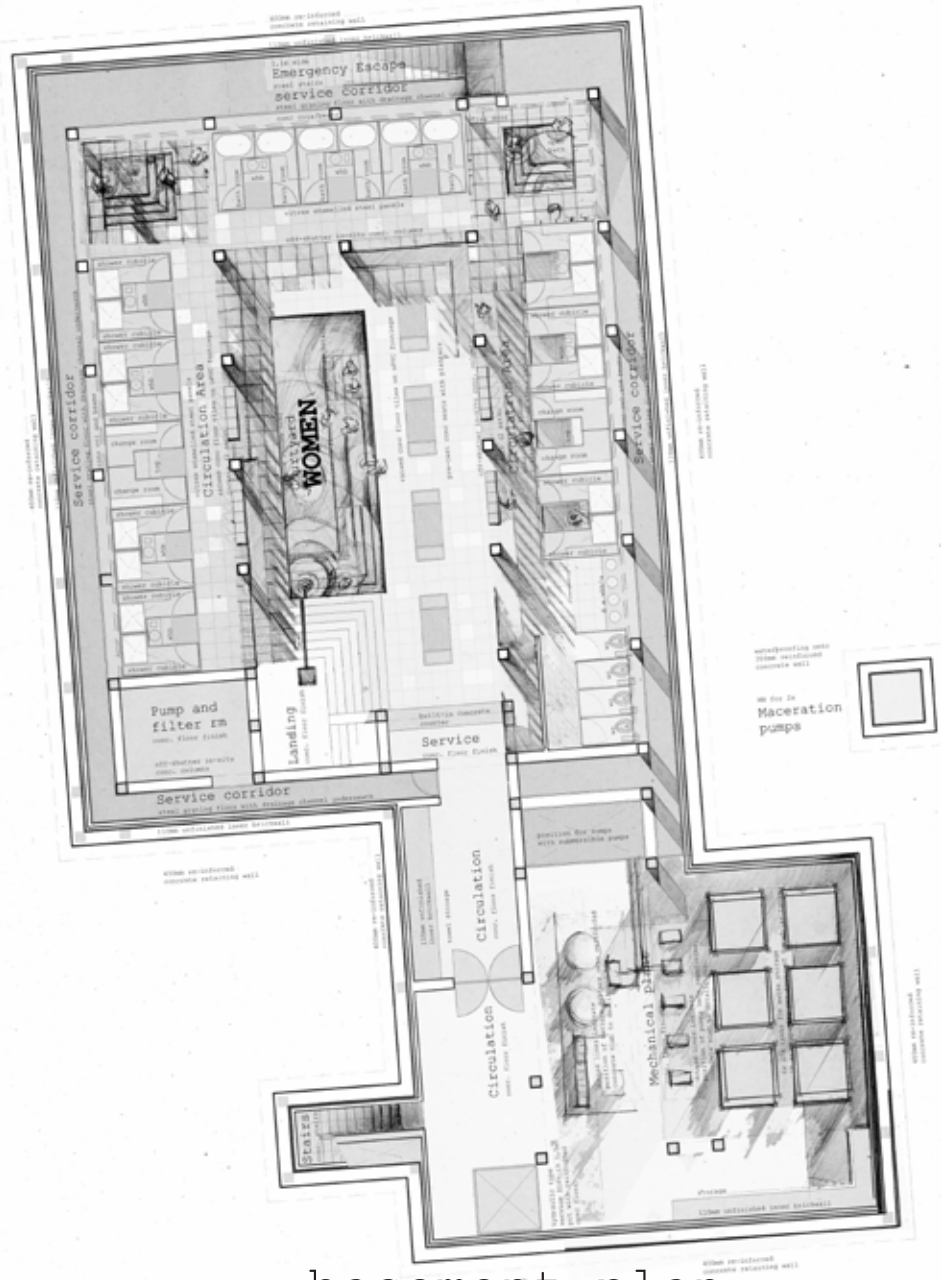

Emergency Escape
Service corridor
Service corridor
Circulation Area
Courtyard
MEN
Service corridor
Pump and filter rm
Landing
Service corridor
Circulation
Mechanical plant
Circulation
Stairs
Maceration pumps

Figure 103. basemant level plan nts.



basement plan

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Figure 104. Collage including first floor plan. nts.

first floor plan

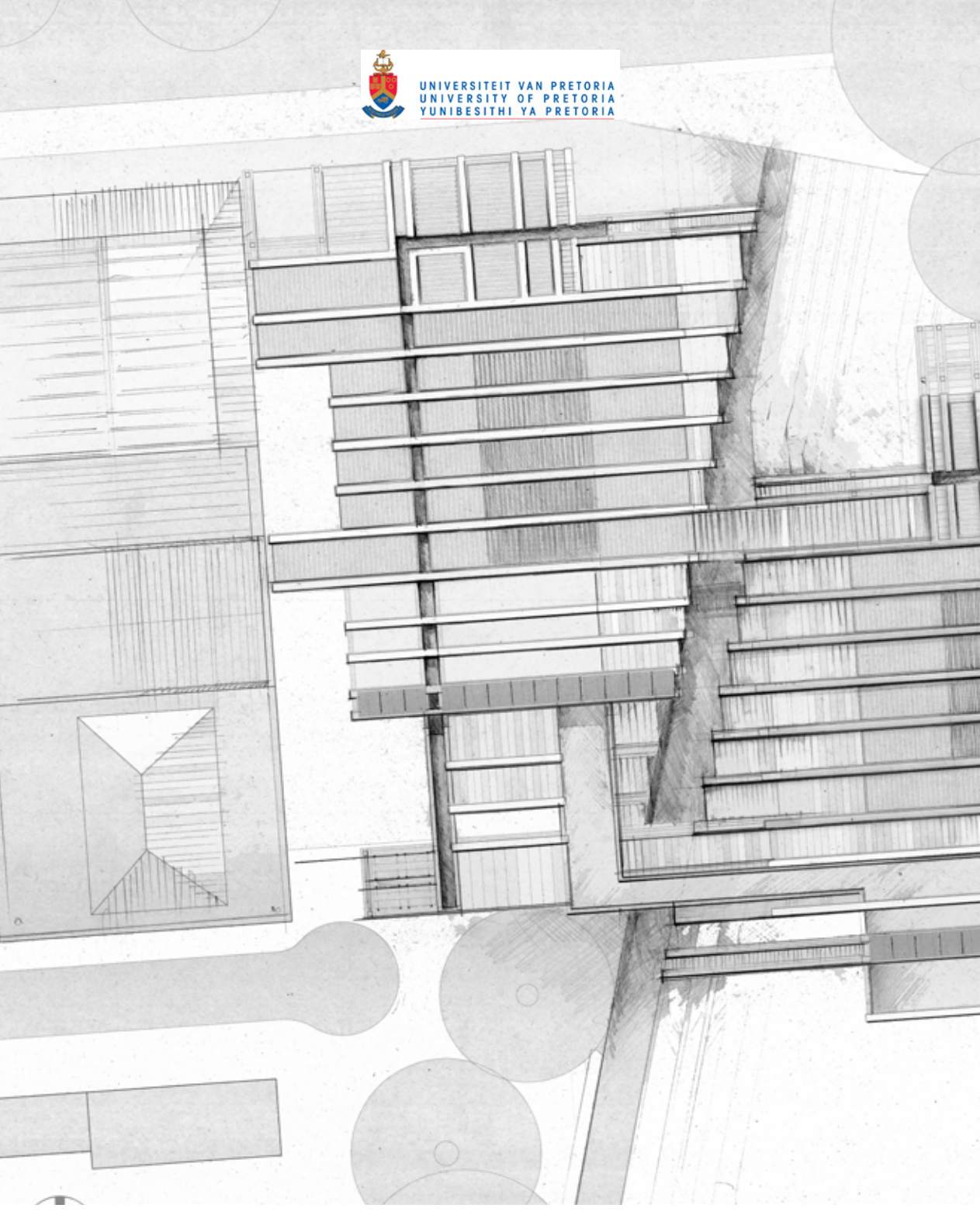
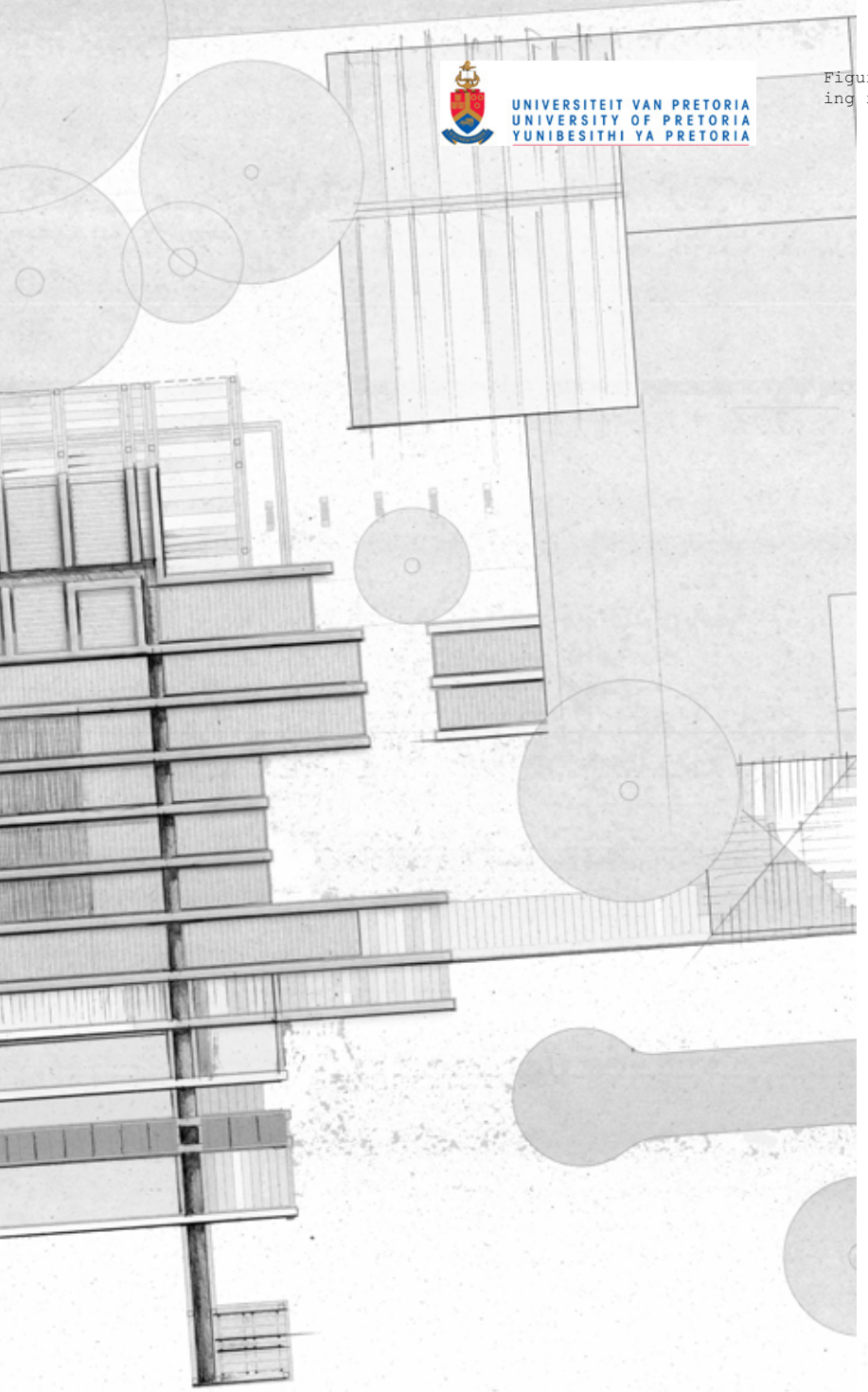
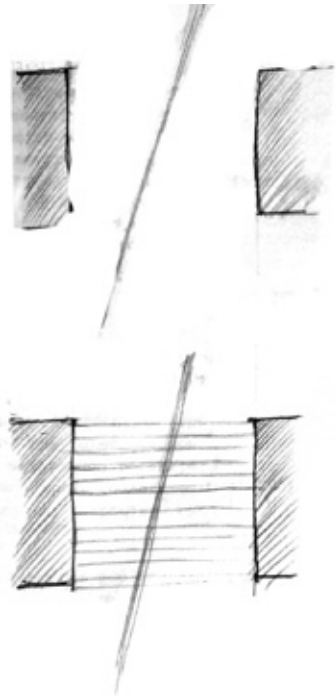


Figure 105. Collage including roof plan. nts.





roof plan