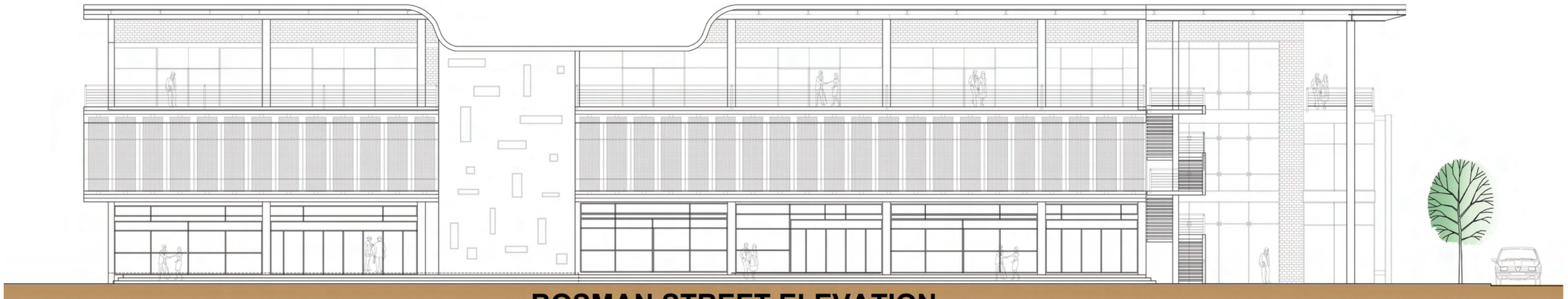
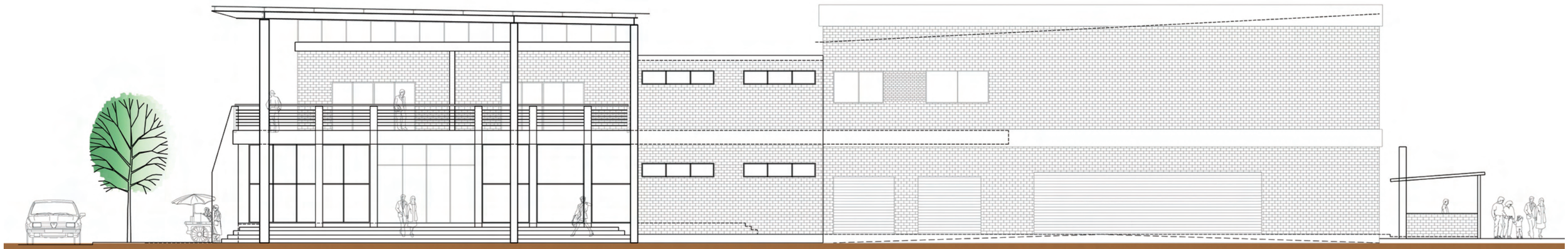
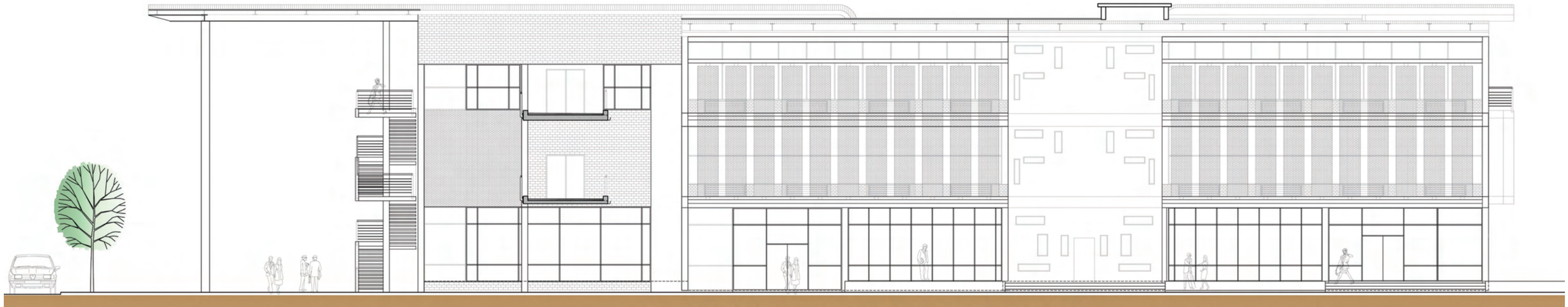


BOSMAN STREET ELEVATION

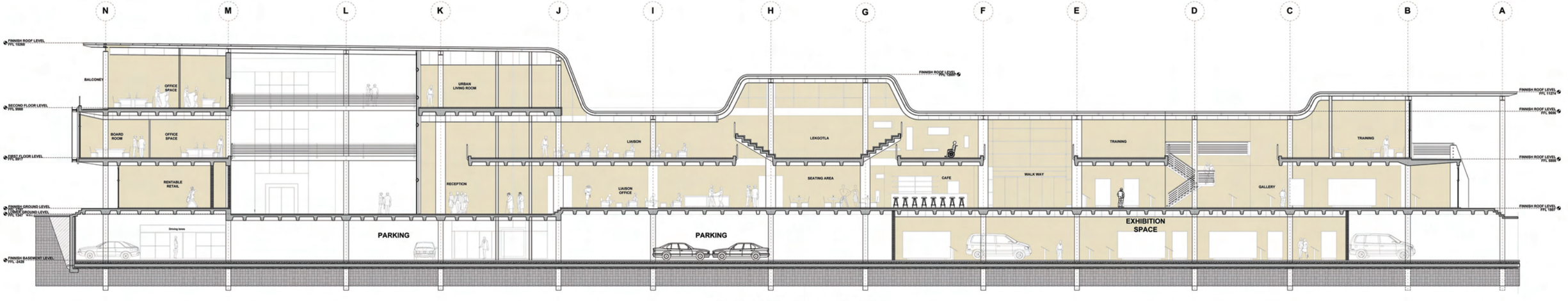


EAST/ SERVICE CENTER ELEVATION



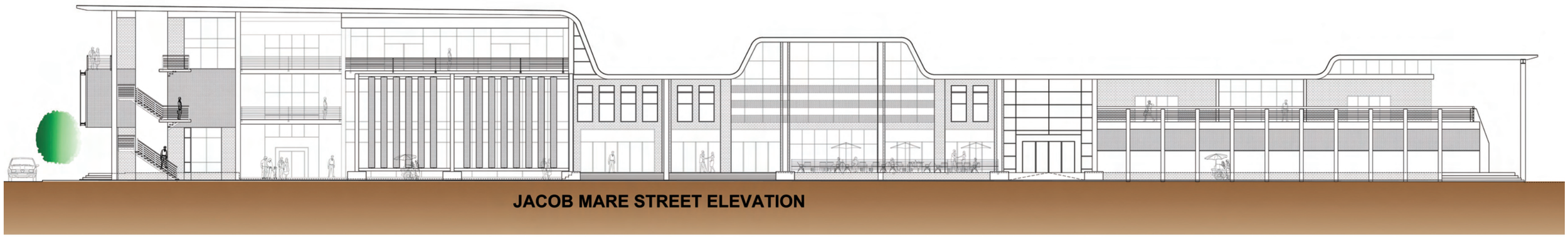
WEST COURTYARD ELEVATION

JACOB MARE STREET ELEVATION

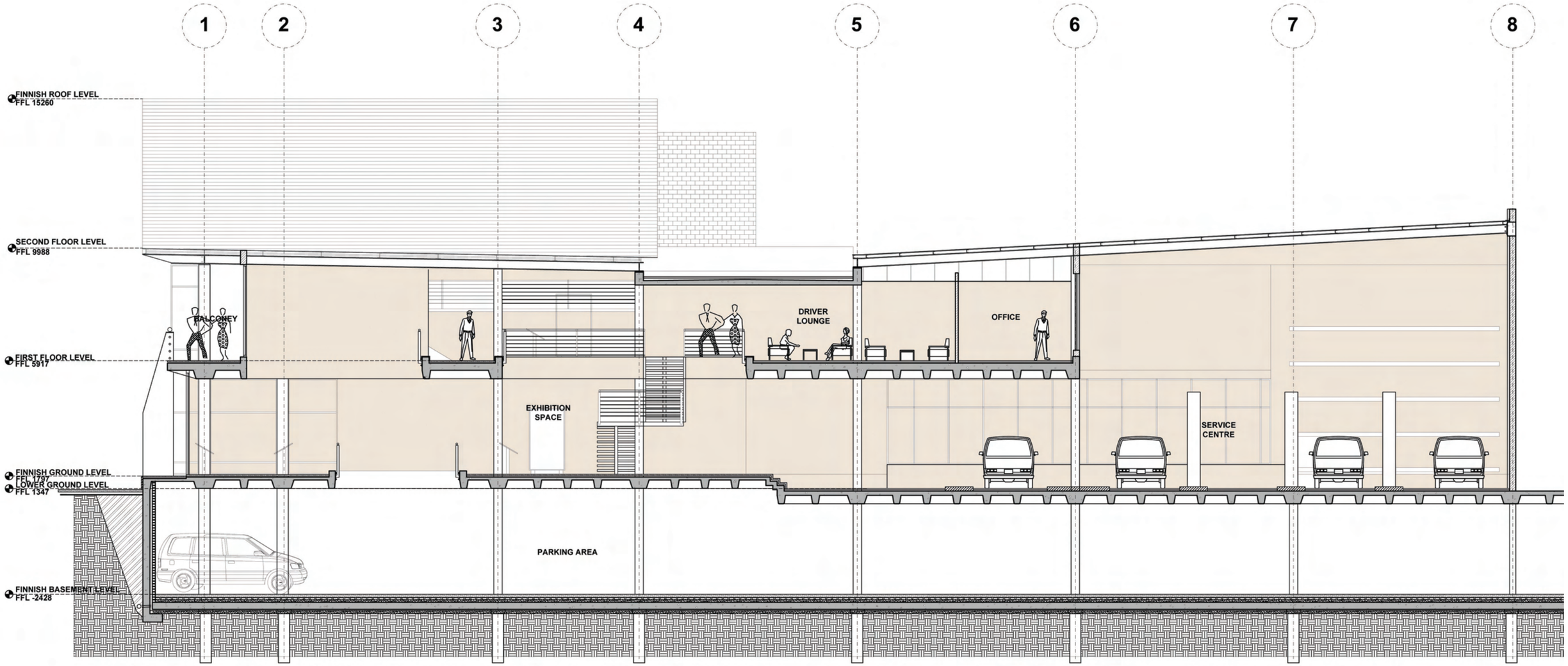


SECTION D-D

SCALE: 1:100

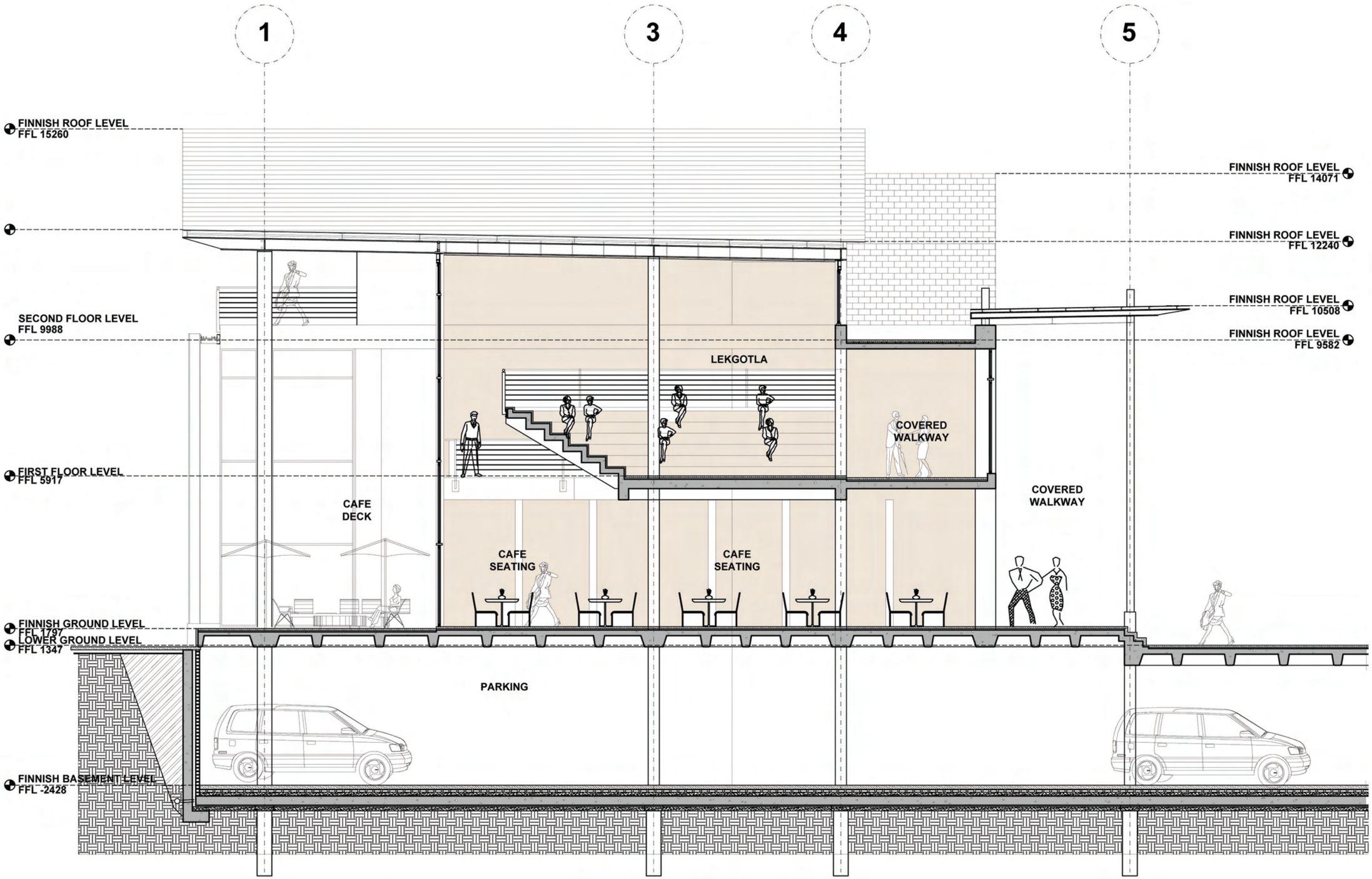


JACOB MARE STREET ELEVATION



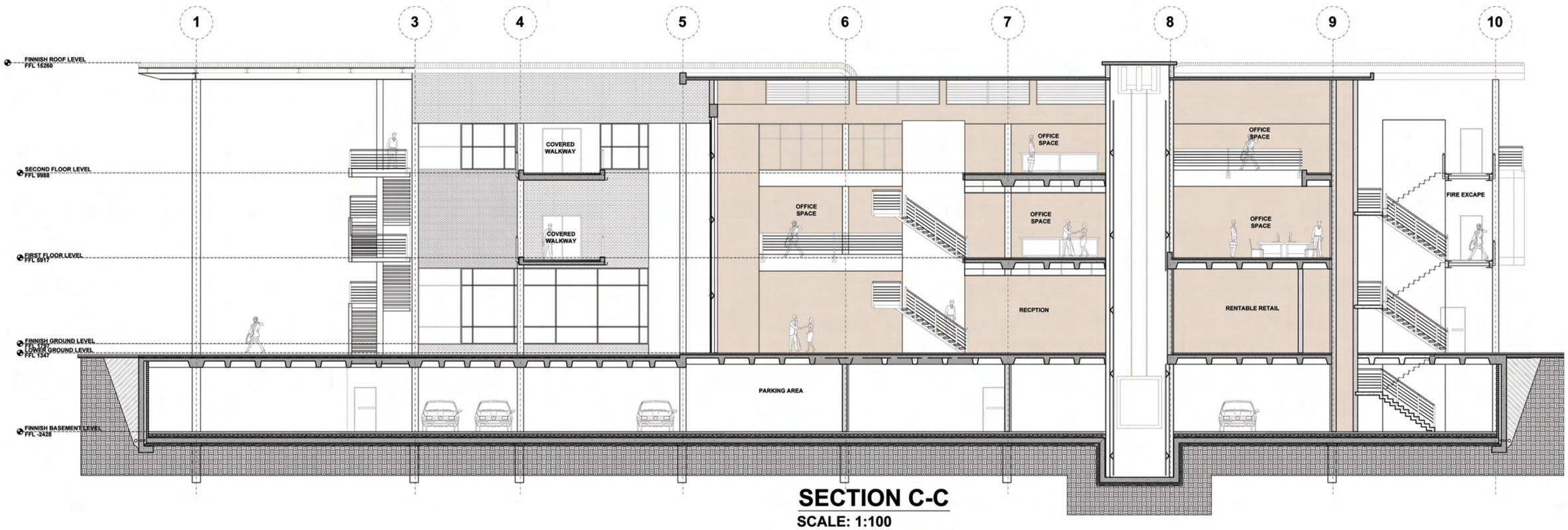
SECTION A-A

SCALE: 1:100



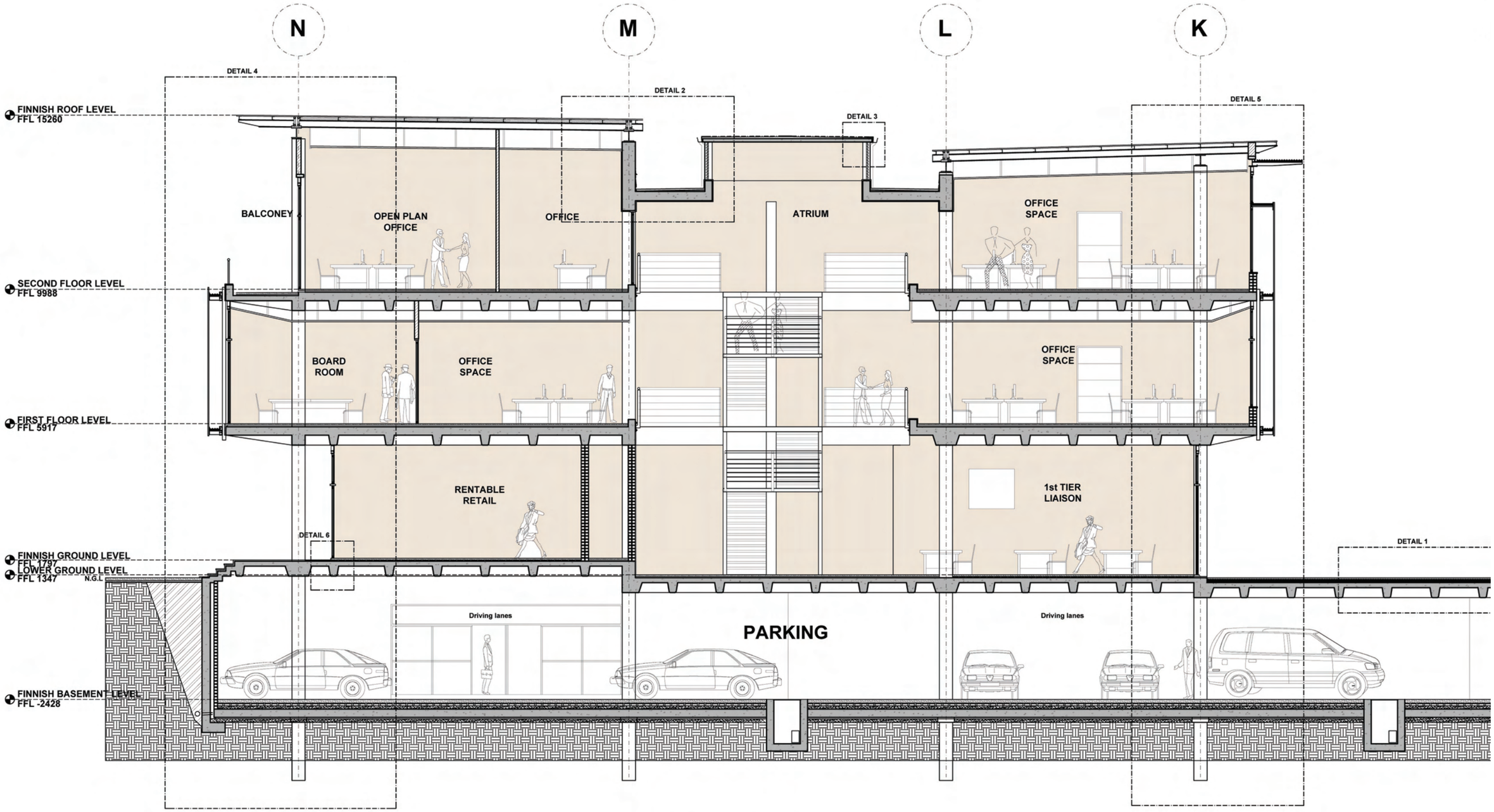
SECTION B-B

SCALE: 1:100



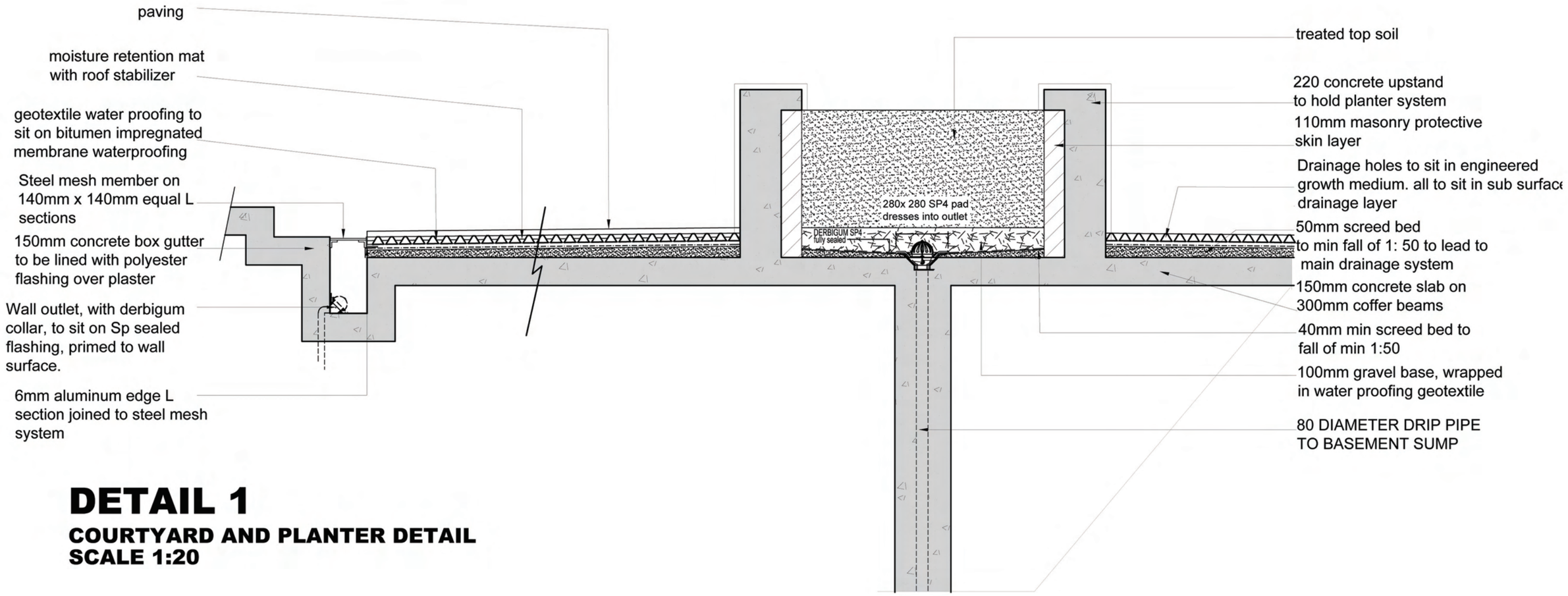
SECTION C-C

SCALE: 1:100



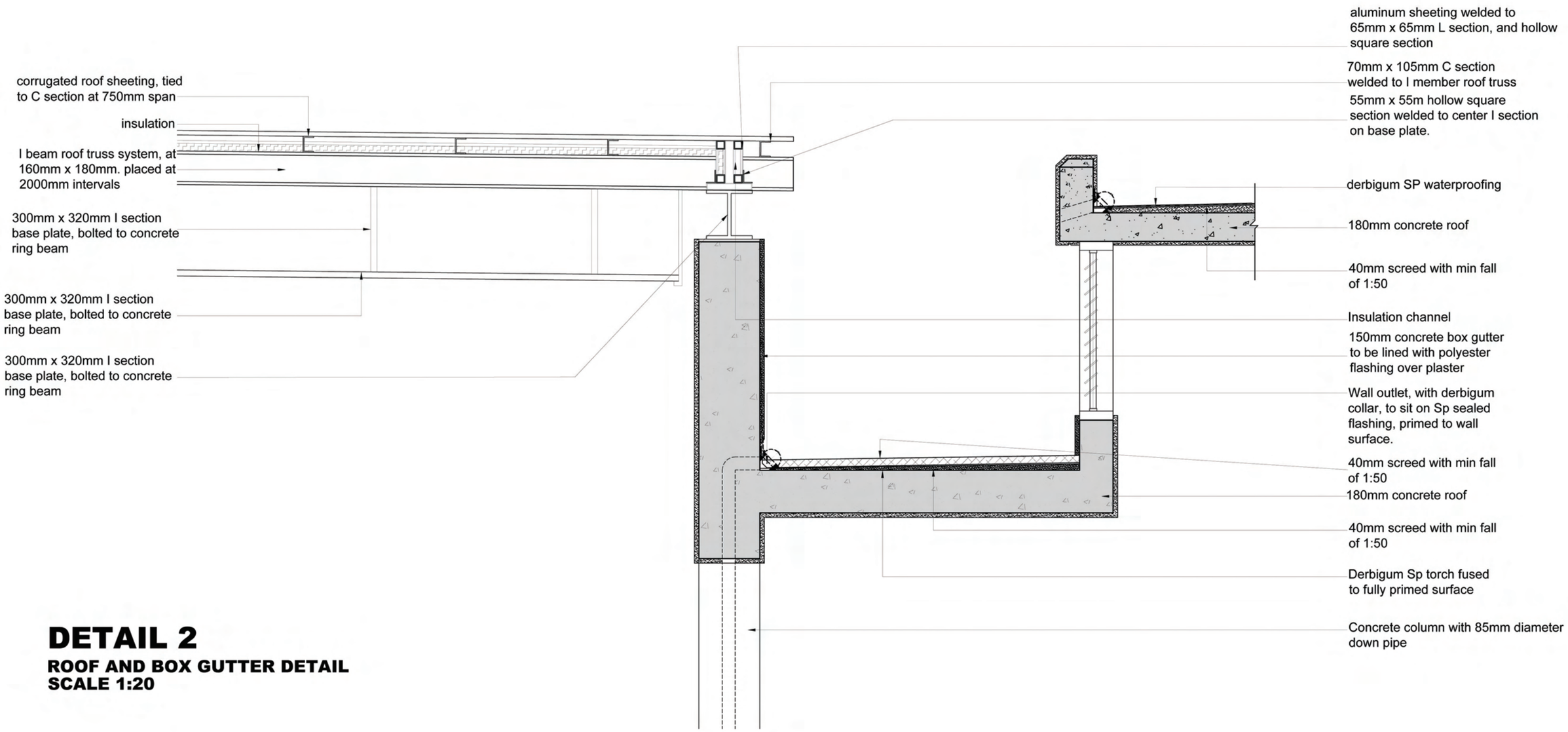
SECTION E-E

SCALE: 1:50



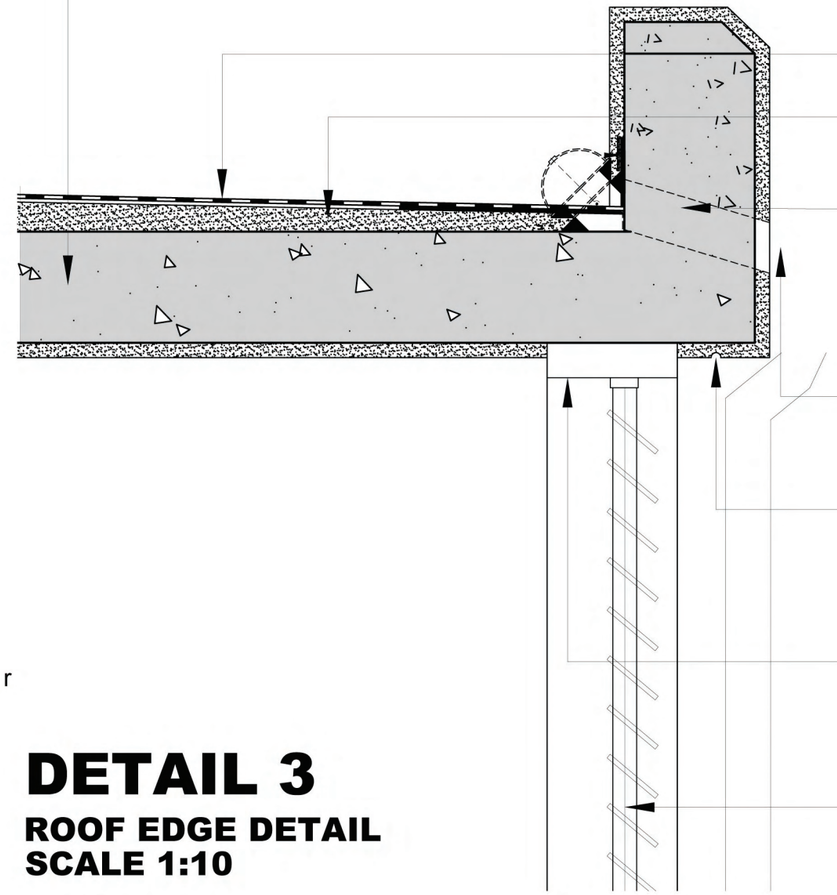
DETAIL 1

COURTYARD AND PLANTER DETAIL
SCALE 1:20



DETAIL 2

ROOF AND BOX GUTTER DETAIL
SCALE 1:20



180mm concrete roof

derbigum SP waterproofing
40mm screed with min fall
of 1:50
Terminating edges sealed for
a min, width of 500mm to the edge

turndown sealed to galvanized edge
edge strip extending into gutter

drip hole

steel window frame, to encase
mechanical window openings

center pivoting, steel framed window
openings

r

DETAIL 3

ROOF EDGE DETAIL
SCALE 1:10

UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

220mm x 180mm I section cross beam at 2m intervals, welded to steel I section ring beam

300mm x 320mm Ring beam I section bolted to steel base plate

300mm x 20mm steel base plate bolted with expansion bolts to concrete ring beam, with steel I beam above

220mm x 85mm precast concrete ring beam lintel, on I section ring beam

250mm x 90mm steel C section welded to aluminum window frame bolted to cleats with concealed bolts

fixed anodised aluminium window frame with 7 mm diameter dust filter rubber rings panel to control passive exhaust air

galvanised mild steel balustrade to manufactures detail

floated screed Finnish with ceramic tile covering

min 50mm screed to fall of min 1:50 to drainage gutter

purpose mad galvanized steel gutter with perforated steel mesh above, to 1:60 fall to outlet pipe

1195mm x 585mm Everdeck fissured suspended acoustic ceiling, held up by 6mm steel rod bolted to concrete slab

ceiling mounted steel radiant cooling pipes at 300mm intervals attached to hvac system in basement

BALCONEY

OPEN PLAN OFFICE

BOARD ROOM

OFFICE SPACE

RENTABLE RETAIL

polished screed finish, with fall to edge

non sip rubber mat placed on top of screed Finnish

2000mm x 2500mm concrete street pavement, with expansion joints at 25m spacing

sub surface drainage above geotextile and bitumen impregnated membrane water proofing

N.G.L

treated soil filling compacted in layers off 150mm

reinforced concrete retaining wall to engineers detail

115 cavity

110mm masonrey cavity wall with plaster

Geo pipe on cast in situ reinforced concrete footing for water pressure

110mm power floated concrete surface bed to engineers specs

290mm x 140mm x 90mm concrete bricks with 30mm joints for water drainage with geotexile DPM membrain above

150 mm diameter perforated PVC geo pipe with 1:125 slope covered with stone and geotextile water proofing

250mm no fines cast in situ concrete floor slab at 1:50 fall to sump

reinforced concrete slab

sub slab drainage layer at 1:150 fall to sump

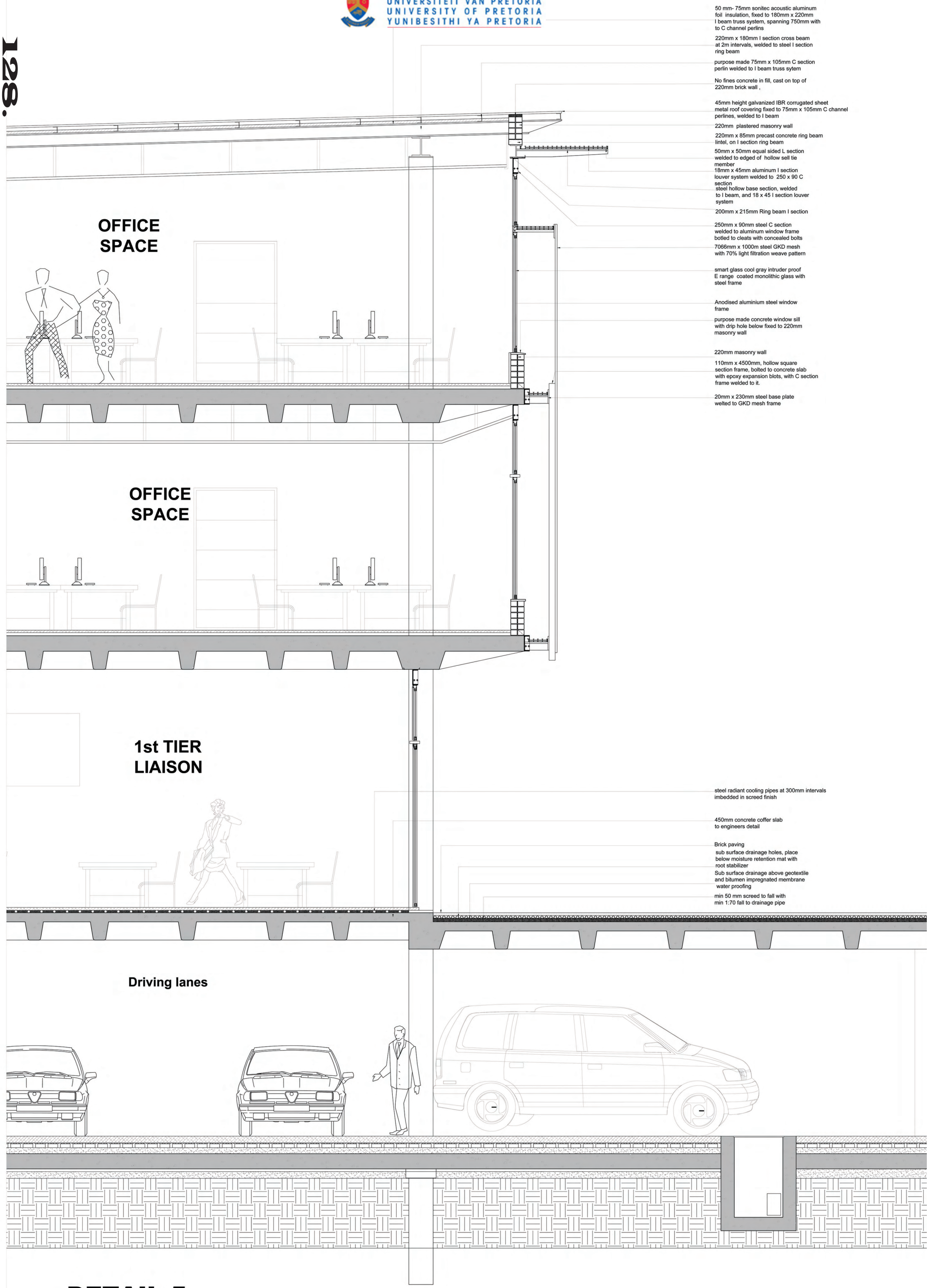
compact screed with 1:50 fall to sump

Driving lan

DETAIL 4

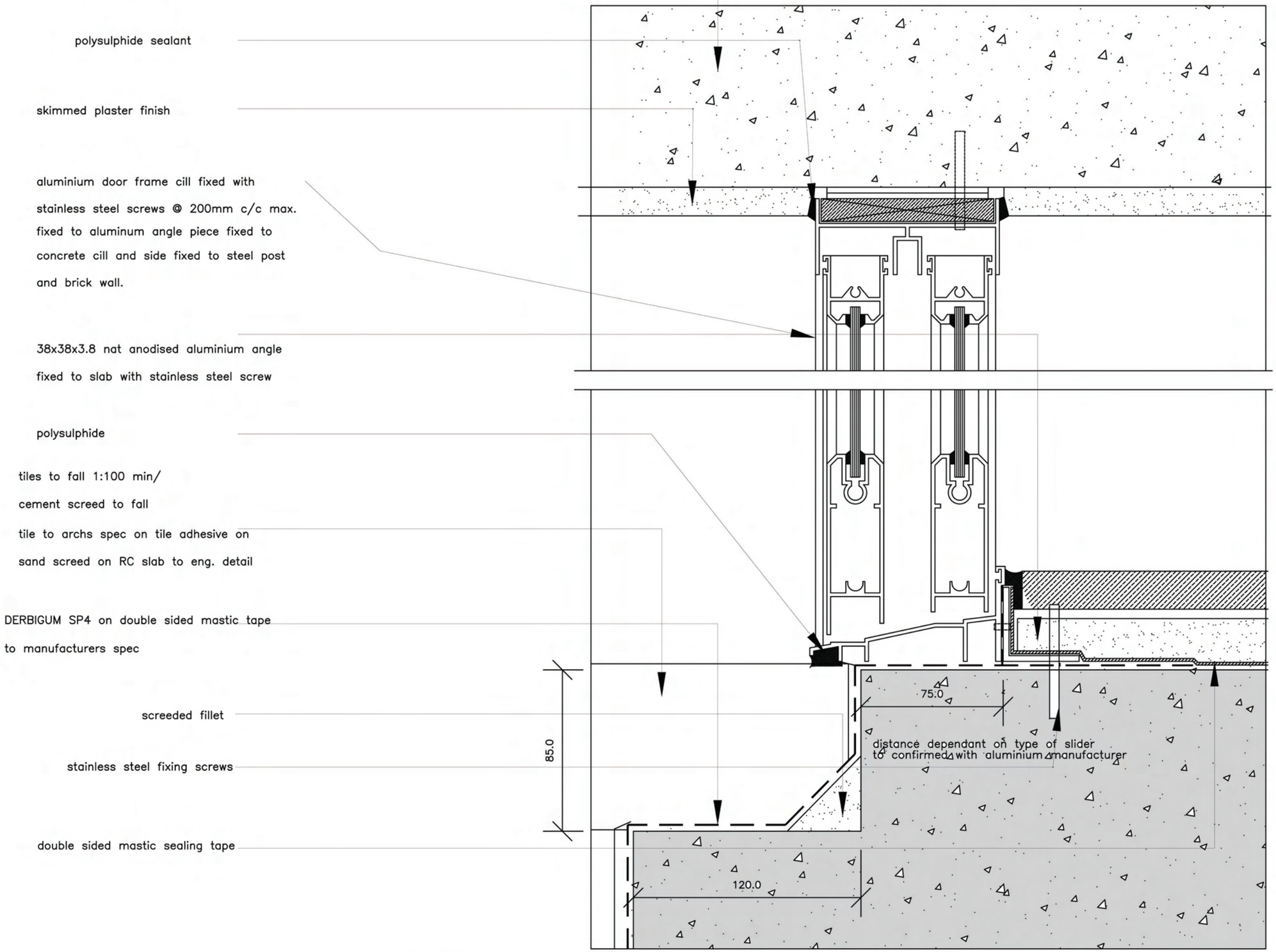
STRIP SECTION
SCALE 1:20

UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA



DETAIL 5

STRIP SECTION
SCALE 1:20



DETAIL 6

THRESHOLD DETAIL
SCALE 1:2