

A P P E N D I C E S

A P P E N D I X :
I N T R O D U C T I O N
P O S T E R S







Loss

The identity of the Capitol Theatre as a place of social gathering has been lost. With this, the significance of its cultural heritage has eroded to mere childhood memories held by some.

Adapta- tion

Accommodating new
identity through the
adaption of the heritage
fabric.

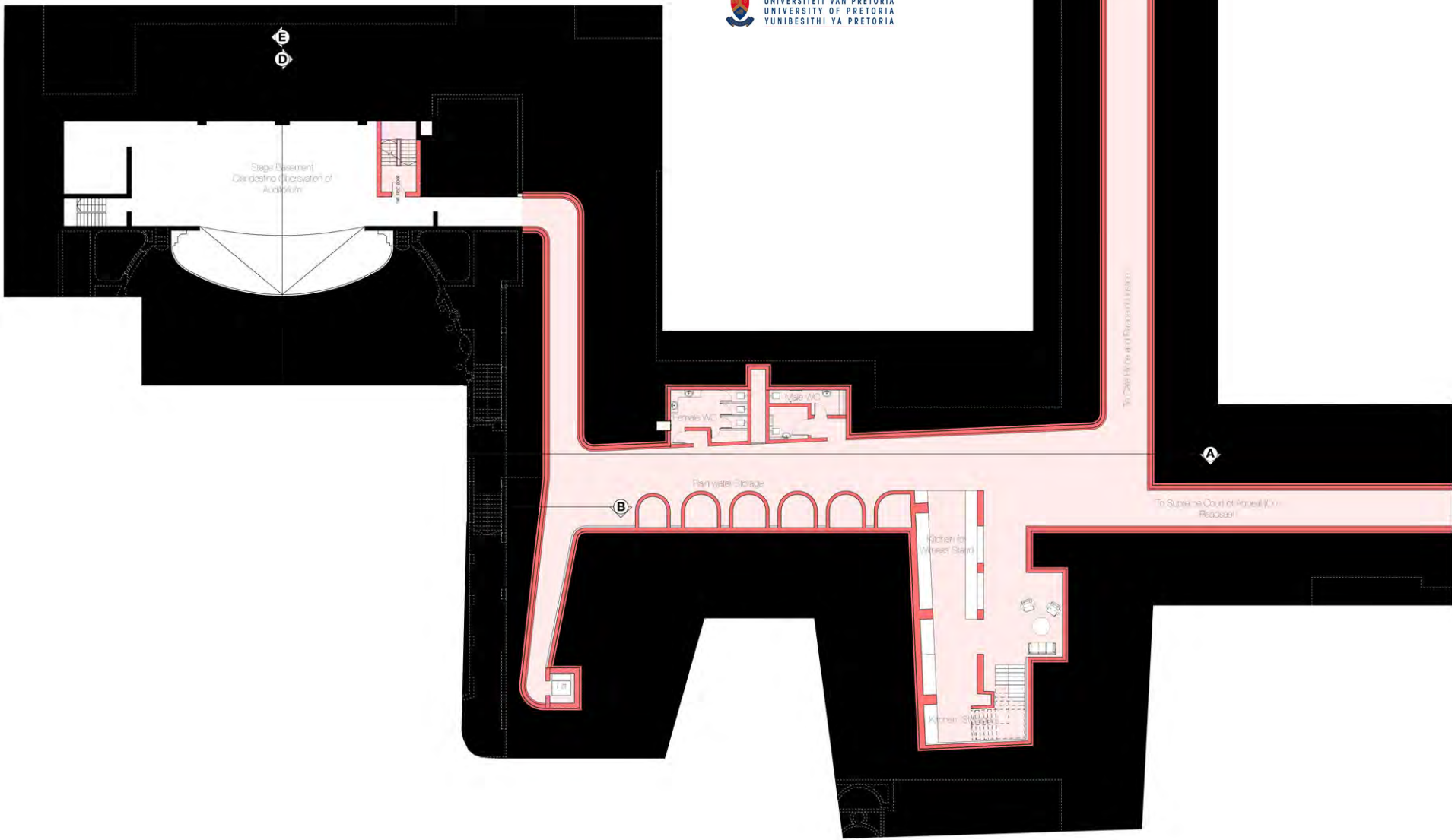


Protest & Public Identity

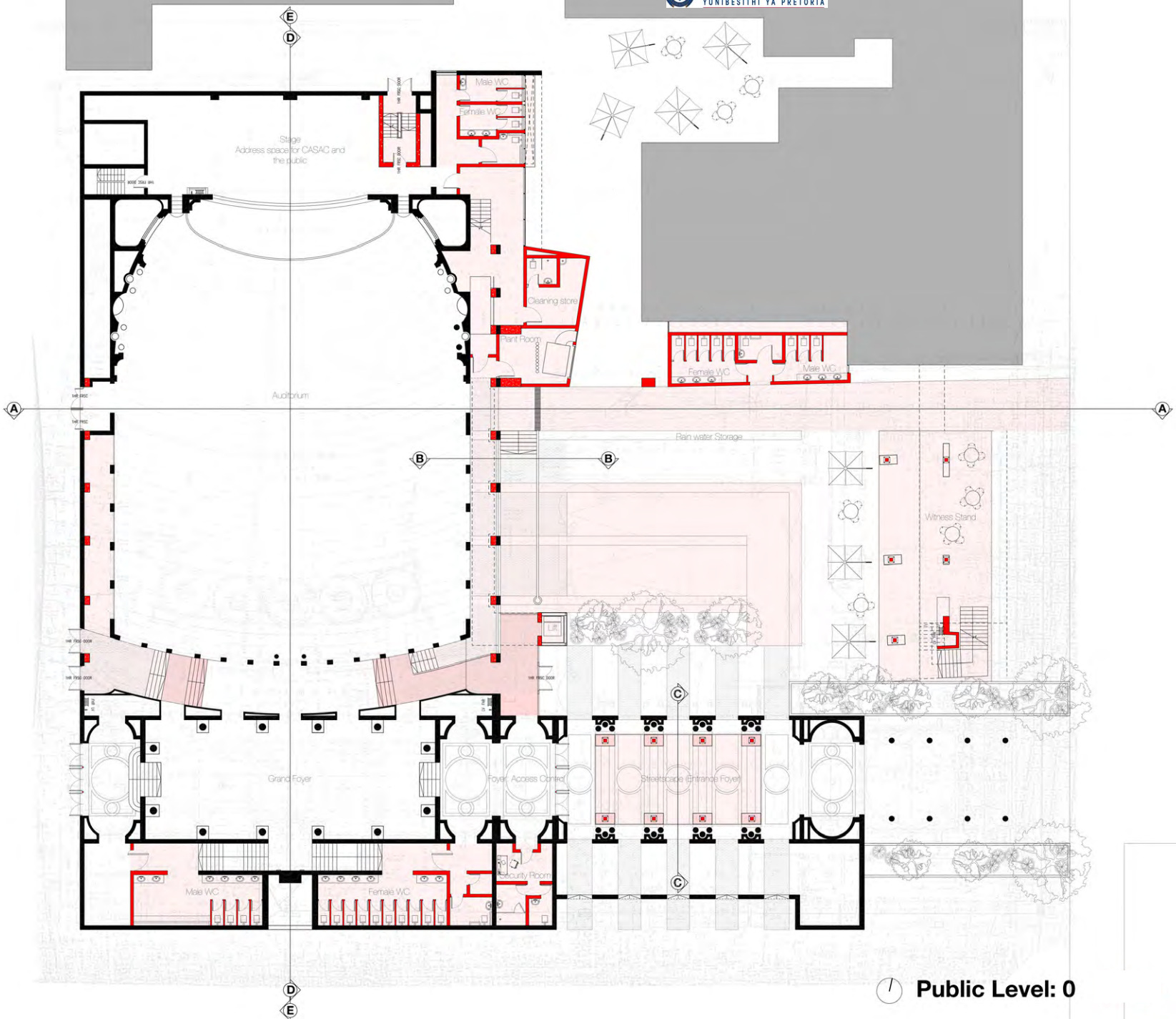
The public identity ultimately shapes the urban condition. The adaptations provide the platform that facilitates the advancement of this identity through the discussion regarding the condition of the Constitution in the current South Africa. Advancement is actioned through protest as well as the everyday occupation and adaptation of public space.



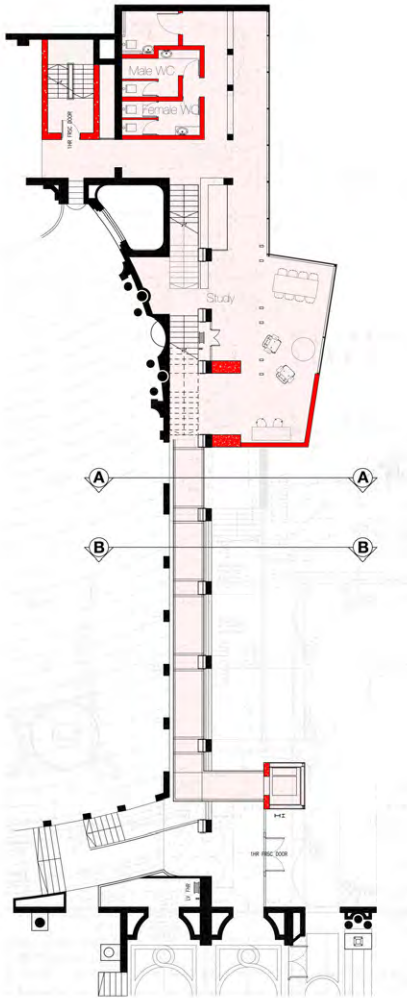
A P P E N D I X :
F I N A L
D R A W I N G S



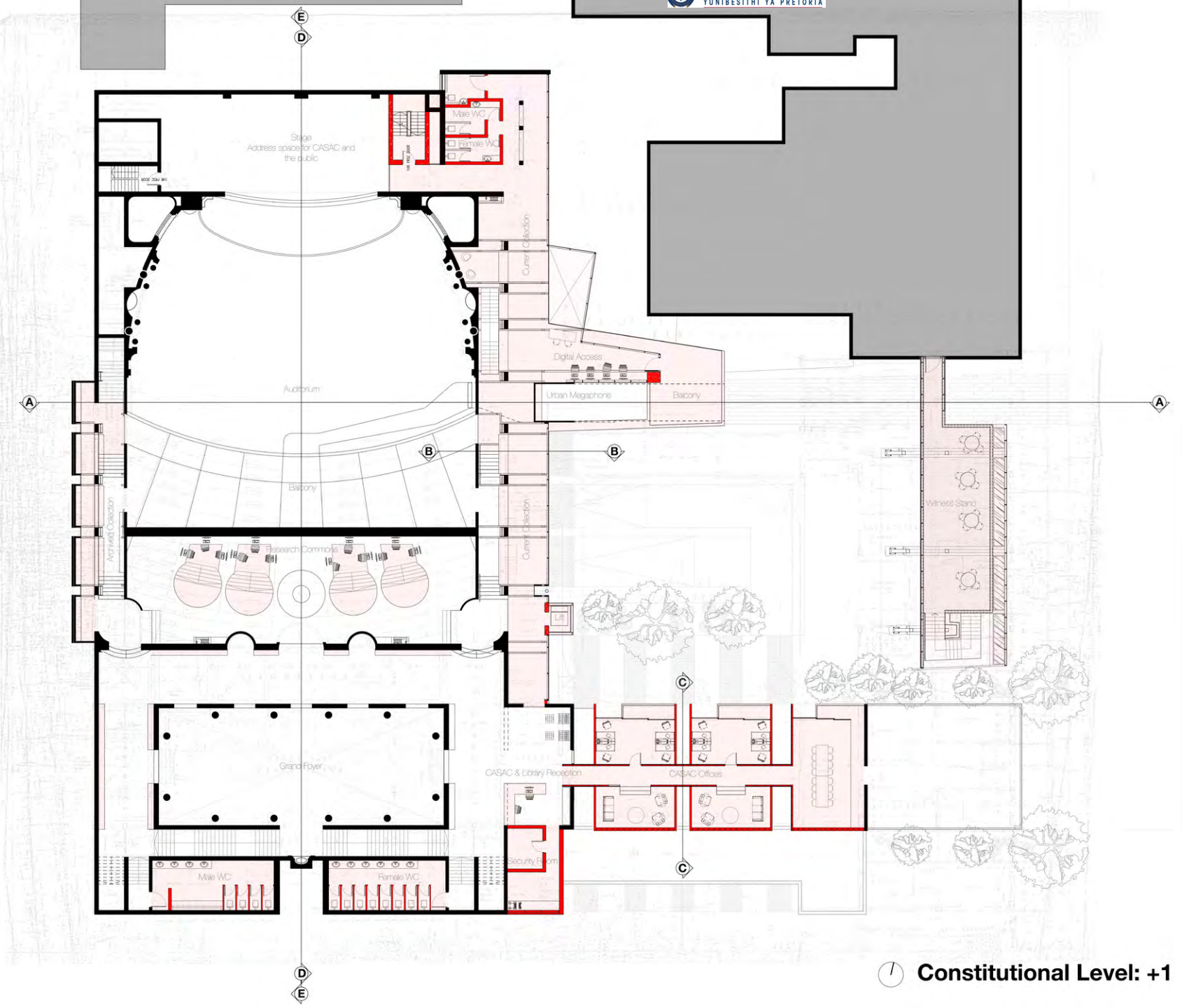
🕒 **Clandestine level: -1**



Public Level: 0



🕒 **Mezzanine Level:**
+0.5



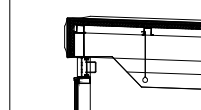
⌚ **Constitutional Level: +1**

SECTION A - A 1:20

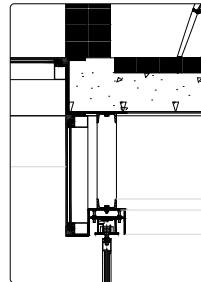
The Theatric of Negotiating Identity

SECTION B - B 1:20

DETAIL 1: Air vent verification for the Witness Stand structure. Sliding panels are opened and closed to provide optimal requirements of the seating space.

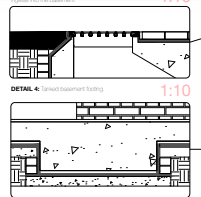


1:5



1:5

DETAIL 2: To bring 2000 litres per second of water from the slab above. To maintain the permeability of the lower space a grid panel is used above the pipe track.



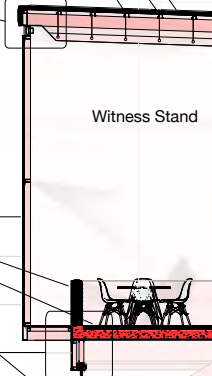
1:10

DETAIL 4: Development hallway

Fixed panels are provided in the upper section, 2000 l/s per bench seat. The air is drawn from the roof and is filtered through a HEPA filter. The air is then distributed to the seating area through a series of ducts. The air is then drawn back into the roof through a series of ducts.

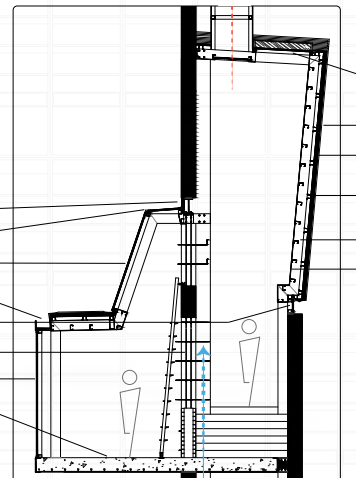
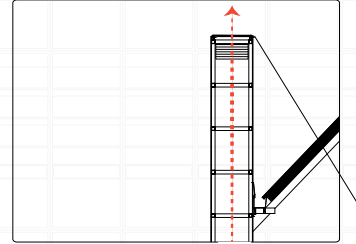
Fixed panels are provided, 2000 l/s per bench seat. The air is drawn from the roof and is filtered through a HEPA filter. The air is then distributed to the seating area through a series of ducts. The air is then drawn back into the roof through a series of ducts.

Sliding panels are provided in the upper section, 2000 l/s per bench seat. The air is drawn from the roof and is filtered through a HEPA filter. The air is then distributed to the seating area through a series of ducts. The air is then drawn back into the roof through a series of ducts.

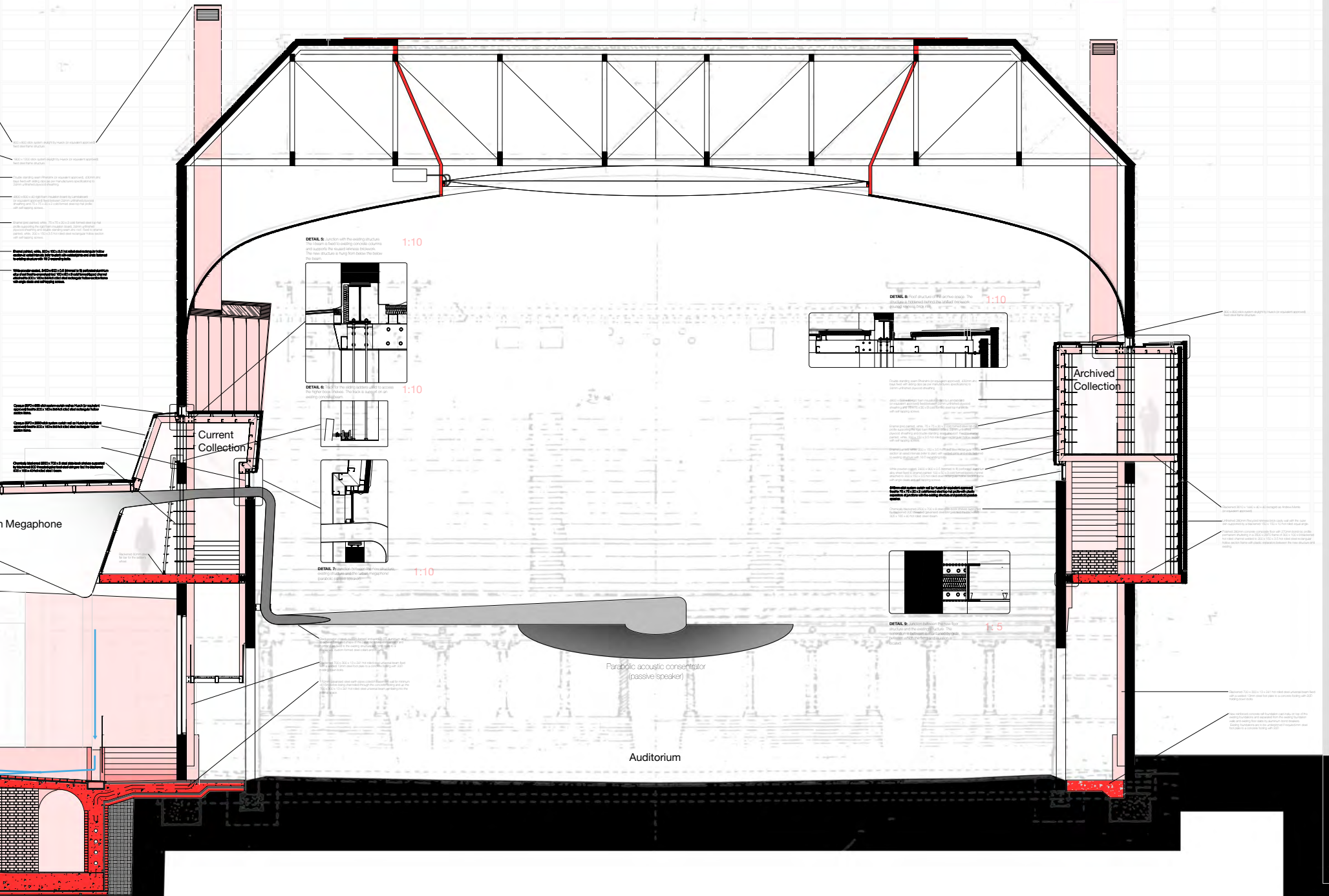


CASAC Offices

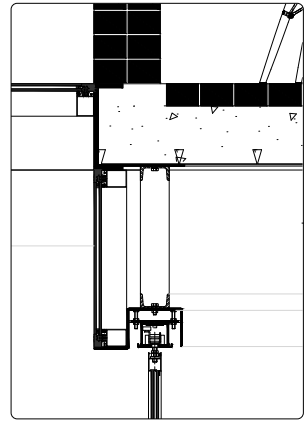
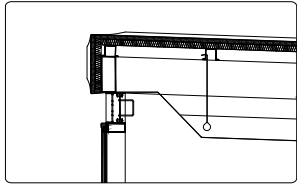
Courtyard



Fixed panels are provided in the upper section, 2000 l/s per bench seat. The air is drawn from the roof and is filtered through a HEPA filter. The air is then distributed to the seating area through a series of ducts. The air is then drawn back into the roof through a series of ducts.



DETAIL 1: Manual ventilation for the 'Witness Stand' structure. Sliding panels are opened and closed depending of climatic requirements of the internal space. 1:5



DETAIL 2: Top hung, 3500 stacking door suspended from the slab above. To maintain the transparency of this lower space a glazed panel is used above the door track. 1:5

Double standing seam (Phorank or equivalent approved), 450mm and base fixed with sliding steel as per manufacturers specifications to 24mm unfinished plywood sheathing.

450x100x40 light beam insulation board by Cambisolatt (or equivalent approved) fixed below 24mm unfinished plywood sheathing and 75x75x20x2 cold formed steel top hat profile with self tapping screws.

Internal steel panel, white, 75x75x20x2 cold formed steel top hat profile supporting the light beam insulation board, 24mm unfinished plywood sheathing and double standing seam zinc steel fixed to external panel, white, 200x170x3.5 hot rolled steel rectangular hollow section with self tapping screws.

Opaque 16 patterned clear 3500x3000 slat system curtain wall or Phorank (or equivalent approved) fixed to ventilator frame and 300x150x4.5 hot rolled steel rectangular hollow section.

1000mm Recycled kiln-dried brick (autoclaved) with blackened steel coating.

280mm concrete composite floor with 270mm bond loc profile permanent structure. Finished with recycled glass steel under slab epoxy coating in a horizontal slab to slat of 300x100x9 blackened hot rolled channel walling 100x50x5 hot rolled steel rectangular hollow section frame.

Clear 3500x1500x44 aluminium frame based stacking doors as Phorank (or equivalent approved) hung from the track fixed to ceiling by blackened 100x50x5 hot rolled steel channel frame.

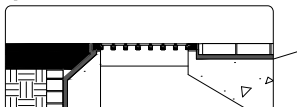
Polished concrete finish.

Witness Stand

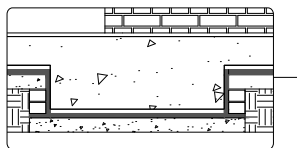
CASAC Offices

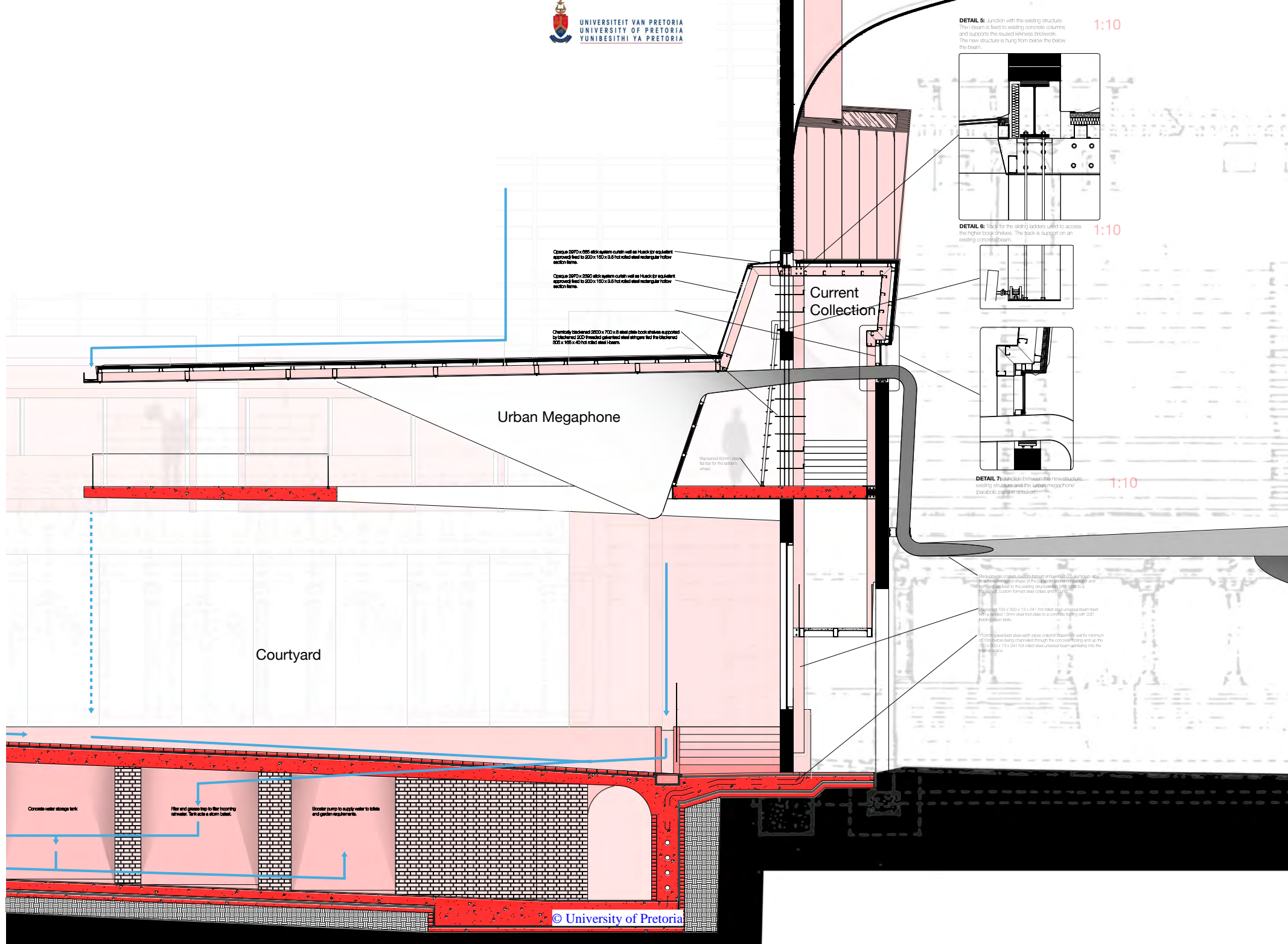
Grey water glass to garden.

Ingress into the basement. 1:10



DETAIL 4: Tanked basement footing. 1:10





Opaque 2070 x 695 slat system curtain wall as H-Track for equivalent approach fixed to 200 x 150 x 6.6 hot rolled steel rectangular hollow section beam.

Opaque 2070 x 2500 slat system curtain wall as H-Track for equivalent approach fixed to 200 x 150 x 6.6 hot rolled steel rectangular hollow section beam.

Chemically blackened 2000 x 700 x 8 steel plate book shelves supported by blackened 200 structural galvanized steel struts fixed to blackened 200 x 100 x 40 hot rolled steel I-beam.

Current Collection

Urban Megaphone

Courtyard

Concrete water storage tank

Filter and green trap to filter incoming rainwater. Tank acts as storm toilet.

Booster pump to supply water to toilet and garden requirements.

DETAIL 5: Junction with the existing structure. The beam is fixed to existing concrete columns and supports the reused kilnless brickwork. The new structure is hung from below the beam. 1:10

DETAIL 6: Track for the sliding ladders used to access the higher book shelves. The track is support on an existing concrete beam. 1:10

DETAIL 7: Junction between the new structure, existing structure and the Urban megaphone (parabolic passive speaker). 1:10

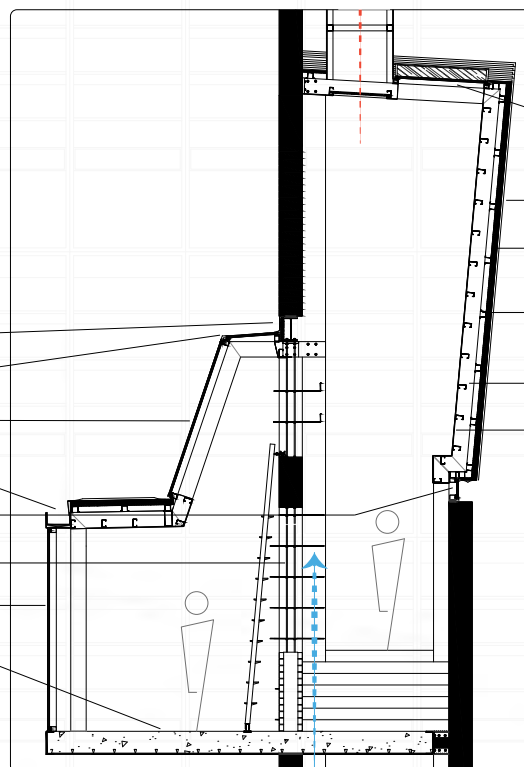
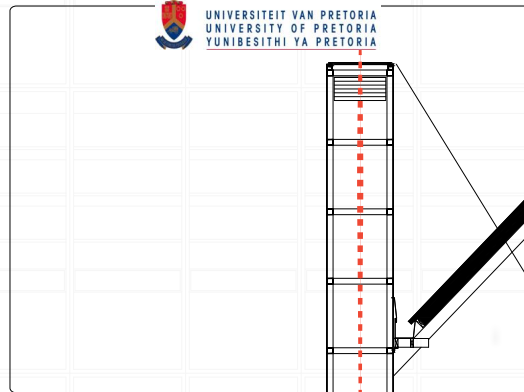
New powder coated curtain beam and welded 6063 aluminium in an architectural shape of the original beam geometry and formed fixed to the existing structure. The beam is a tapered, custom formed steel collar and profile.

Blackened 100 x 300 x 13 x 241 hot rolled steel universal beam fixed with a fixed 10mm steel hot plate to a concrete column with 200 bolt down bolts.

10mm galvanized steel with zinc coating base metal for minimum of 100 bolts being channelled through the concrete floor and up the 100 x 300 x 13 x 241 hot rolled steel universal beam entering into the structure.

SECTION B - B 1:20

The section is taken through the raised portion of the new structure and the ventilation stack.



400 x 800 stick system slight by Husck (or equivalent approved) best steel frame structure.

1800 x 1200 stick system slight by Husck (or equivalent approved) best steel frame structure.

Double standing seam Rheotank (or equivalent approved), 400mm zinc base lead with self-tapping screws (per manufacturers specifications) to 24mm unfinished plywood sheathing.

4800 x 600 x 40 rigid foam insulation board by Landoboard (or equivalent approved) fixed between 24mm unfinished plywood sheathing and 75 x 75 x 2 cold formed steel top hat profile with self-tapping screws.

Trammel (rod painted, white, 75 x 75 x 2 cold formed steel top hat profile supporting the rigid foam insulation board, 24mm unfinished plywood sheathing and double standing seam zinc roof. Fixed to enamel painted, white, 200 x 150 x 3.5 hot rolled steel rectangular hollow section with self-tapping screws.

Post formed zinc lining

Opaque 2070 x 695 stick system curtain wall as Husck (or equivalent approved) fixed to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame.

Opaque 2070 x 2820 stick system curtain wall as Husck (or equivalent approved) fixed to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame.

Enamel painted, 3000 x 200 x 4.5 pre-formed steel gutter welded to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame. Fall achieved with 24° tension flats covered by 405C Chugrum.

300mm stick system curtain wall by Husck (or equivalent approved) fixed to 75 x 75 x 2 cold formed steel top hat profile with plastic separators at junctions with the existing structure and painted passive cover.

Chromally blackened 2000 x 700 x 6 steel plate book shelves supported by blackened 32D threaded galvanized steel struts fixed the blackened 305 x 105 x 40 hot rolled steel I-beam.

Clear 1900 x 2000 stick system curtain wall as Husck (or equivalent approved) fixed to gutter and steel channel of floor frame.

Painted 240mm concrete composite floor with 270mm bond for profile supported strutting in a 5000 x 2070 frame of 500 x 100 x 6 blackened hot rolled steel channel welded to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame with plastic separators between the new structure and existing.

Enamel painted, white, 200 x 150 x 3.5 hot rolled steel rectangular hollow section at varied intervals (refer to plan) with welded joints and ends fastened to existing structure with 16 D expanding bolts.

White powder-coated, 2400 x 200 x 0.6 (formed to fit) perforated aluminium slat sheet fixed to enamel painted 100 x 50 x 3 cold formed lipped channel attached to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame with angle cleats and self-tapping screws.

Opaque 2070 x 695 stick system curtain wall as Husck (or equivalent approved) fixed to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame.

Opaque 2070 x 2820 stick system curtain wall as Husck (or equivalent approved) fixed to 200 x 150 x 3.5 hot rolled steel rectangular hollow section frame.

Chromally blackened 2000 x 700 x 6 steel plate book shelves supported by blackened 32D threaded galvanized steel struts fixed the blackened 305 x 105 x 40 hot rolled steel I-beam.

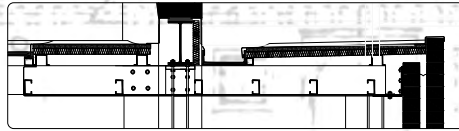
Current Collection

Urban Megaphone

CASAC Offices

DETAIL 8: Roof structure of the archive space. The structure is hidden behind the finished brickwork. (Archived version: brick mtl)

1:10



Double standing seam Rhinark (or equivalent approved), 410mm zinc base lead with setting clips set per manufacturer's specifications to 200mm finished depth of sheathing.

4500 x 600 x 40mm light beam insulation (e.g. by Lamoboard) (or equivalent approved) fixed to 200mm unfinished plasterboard sheathing with 195 x 75 x 30 x 2 cold formed steel top hat bolts with self tapping screws.

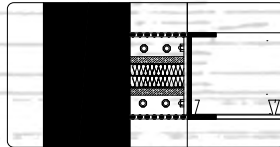
Branded fire-rated panels, 75 x 75 x 20 x 2 cold formed steel top hat profile supporting the light beam insulation boards, 250mm unfinished plasterboard sheathing and double standing seam galvalume fixed to 200mm unfinished plasterboard sheathing with 195 x 75 x 30 x 2 cold formed steel top hat bolts with self tapping screws.

Branded fire-rated panels, 200 x 100 x 3 x 5 hot rolled steel setting clips, 750mm section of double reinforced concrete slab in situ with rebar and ends fixed to existing structure with 16 D rebar and grout.

White powder coating, 2400 x 300 x 0.5 (treated to fit purpose) stainless steel sheet lead to 200mm finished depth of sheathing attached to 200 x 100 x 3 x 5 hot rolled steel setting clips with 195 x 75 x 30 x 2 cold formed steel top hat bolts with self tapping screws.

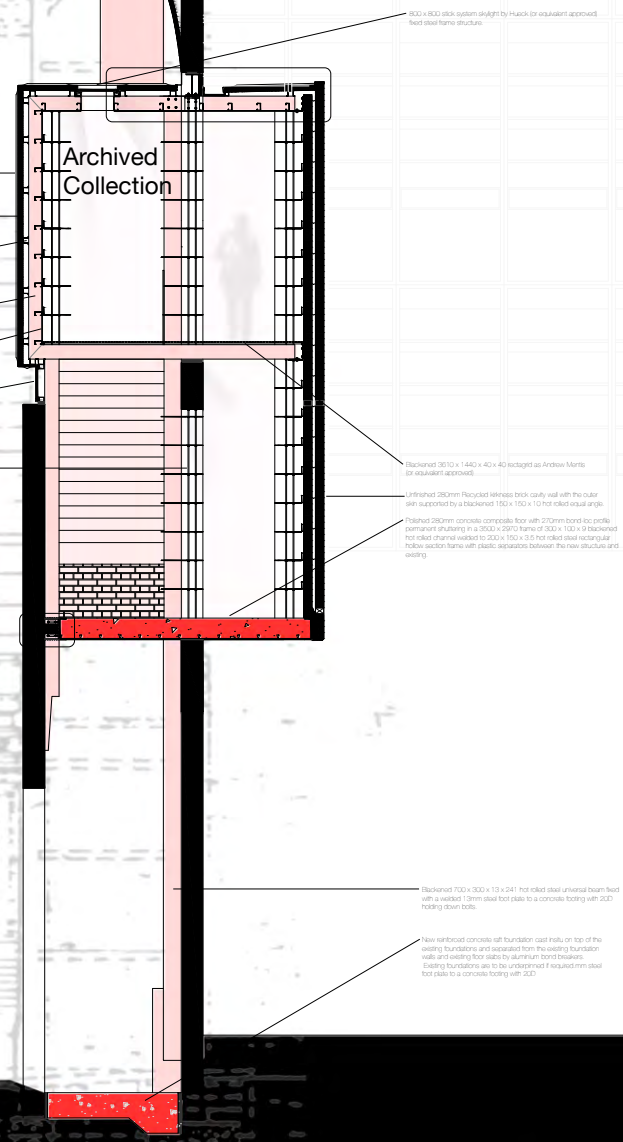
610mm wide section controlled by track (or equivalent approved) lead to 75 x 75 x 30 x 2 cold formed steel top hat profile with plastic separation at junction with the existing structure and plastic passive fire-rated.

Chemical backfilled 200 x 100 x 8 steel mesh track (e.g. by Gifford) backfilled with 200mm finished depth of sheathing attached to 200 x 100 x 4 hot rolled steel beam.



DETAIL 9: Junction between the new floor structure and the existing structure. The separation is between the floor raised by grids, plastic separation which the floor and existing is located.

1:5



600 x 800 steel system weight by track (or equivalent approved) fixed steel frame structure

Archived Collection

Backfilled 300 x 140 x 40 (e.g. by Andrew Martin) (or equivalent approved)

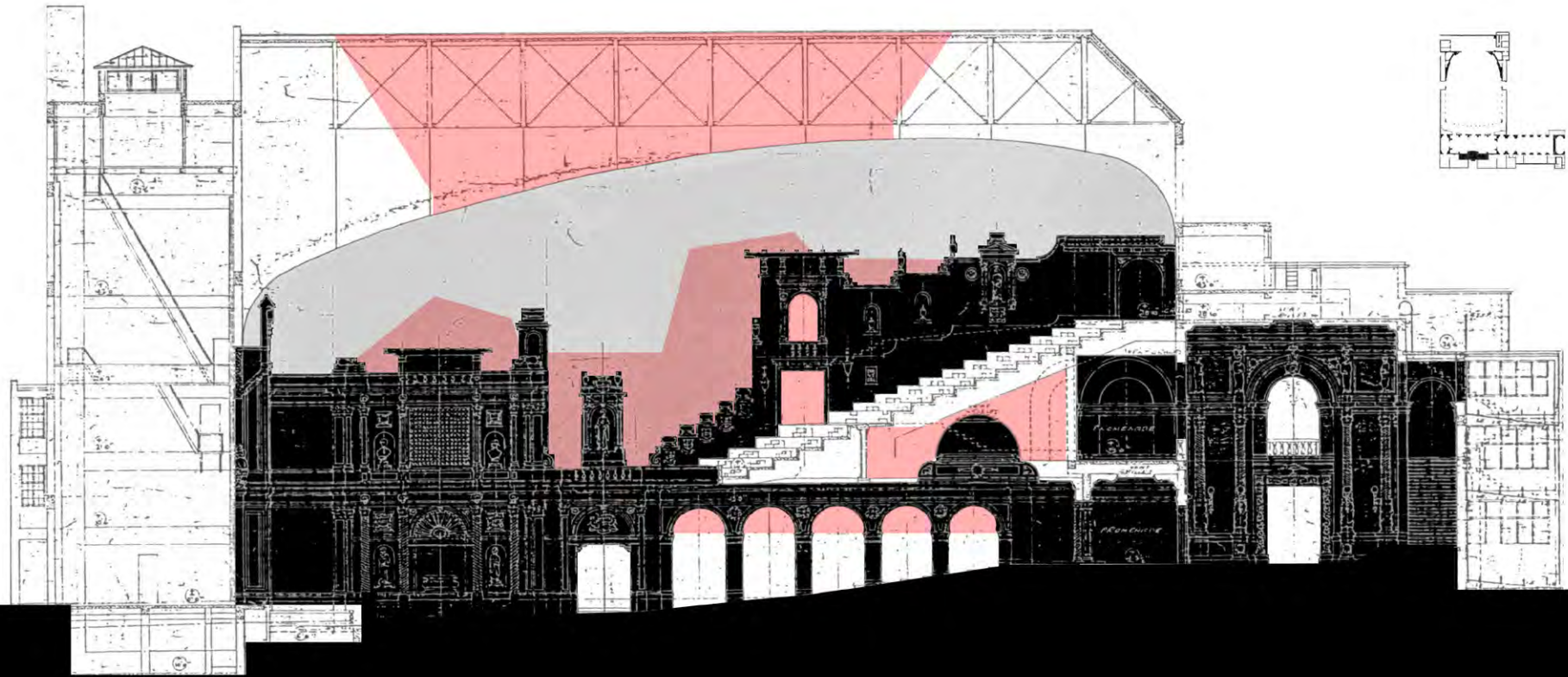
Unfinished 250mm recycled red brick cavity wall with the outer skin supported by a backfilled 100 x 100 x 10 hot rolled equal angle

Finished 250mm concrete composite floor with 200mm board top profile supported by a 2000 x 200 x 100 x 8 backfilled hot rolled channel welded to 200 x 100 x 3 x 5 hot rolled steel rectangular track section frame with plastic separation between the new structure and existing.

Backfilled 700 x 300 x 15 x 241 hot rolled steel universal beam fixed with a welded 15mm steel flat plate to a concrete footing with 20D holding down bolts.

New reinforced concrete slab foundation cast in situ on top of the existing foundation and separated from the existing foundation walls and existing floor slabs by aluminium bond breakers. Existing foundations are to be underpinned if required mm steel foot plate to a concrete footing with 20D.

Auditorium

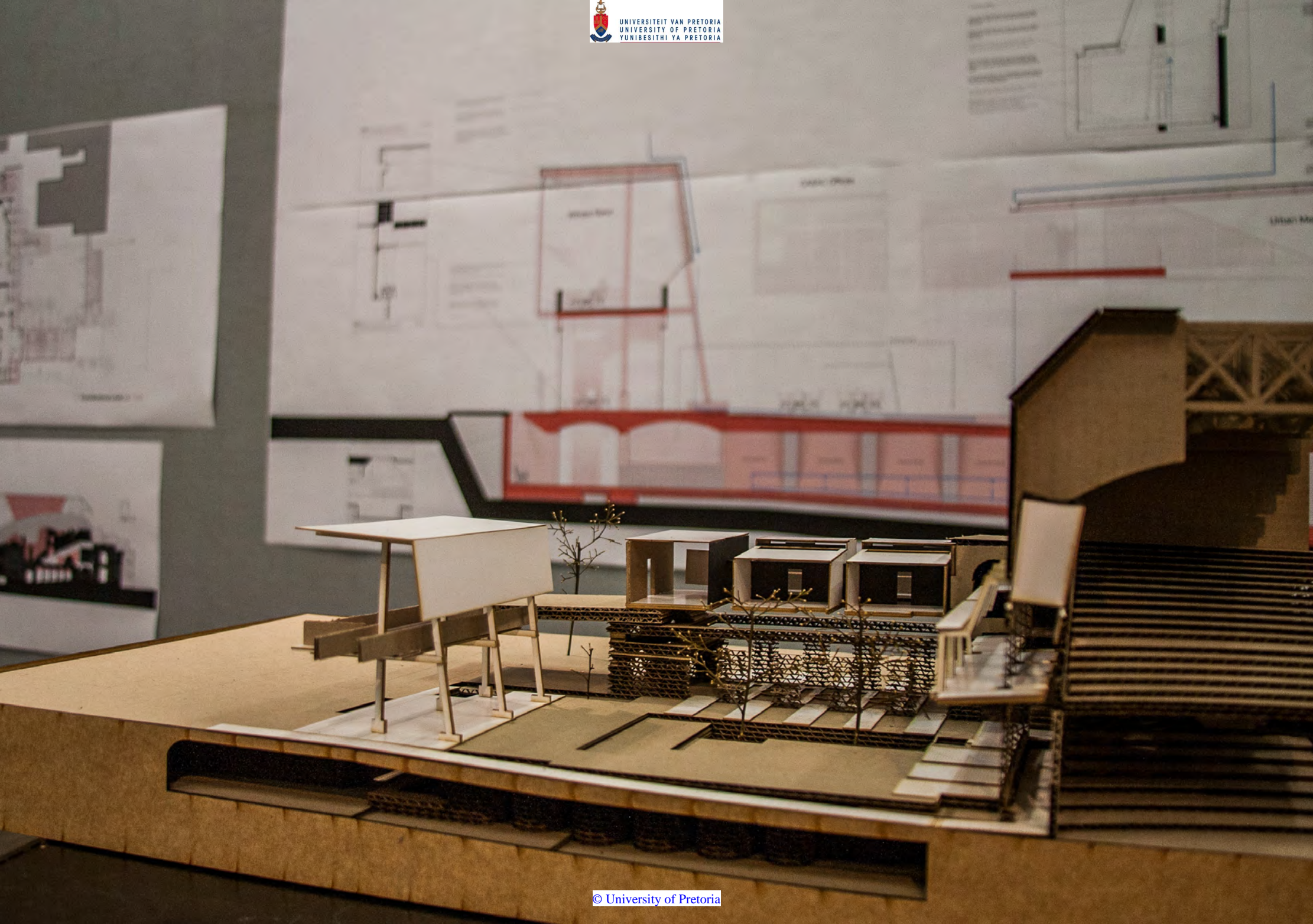


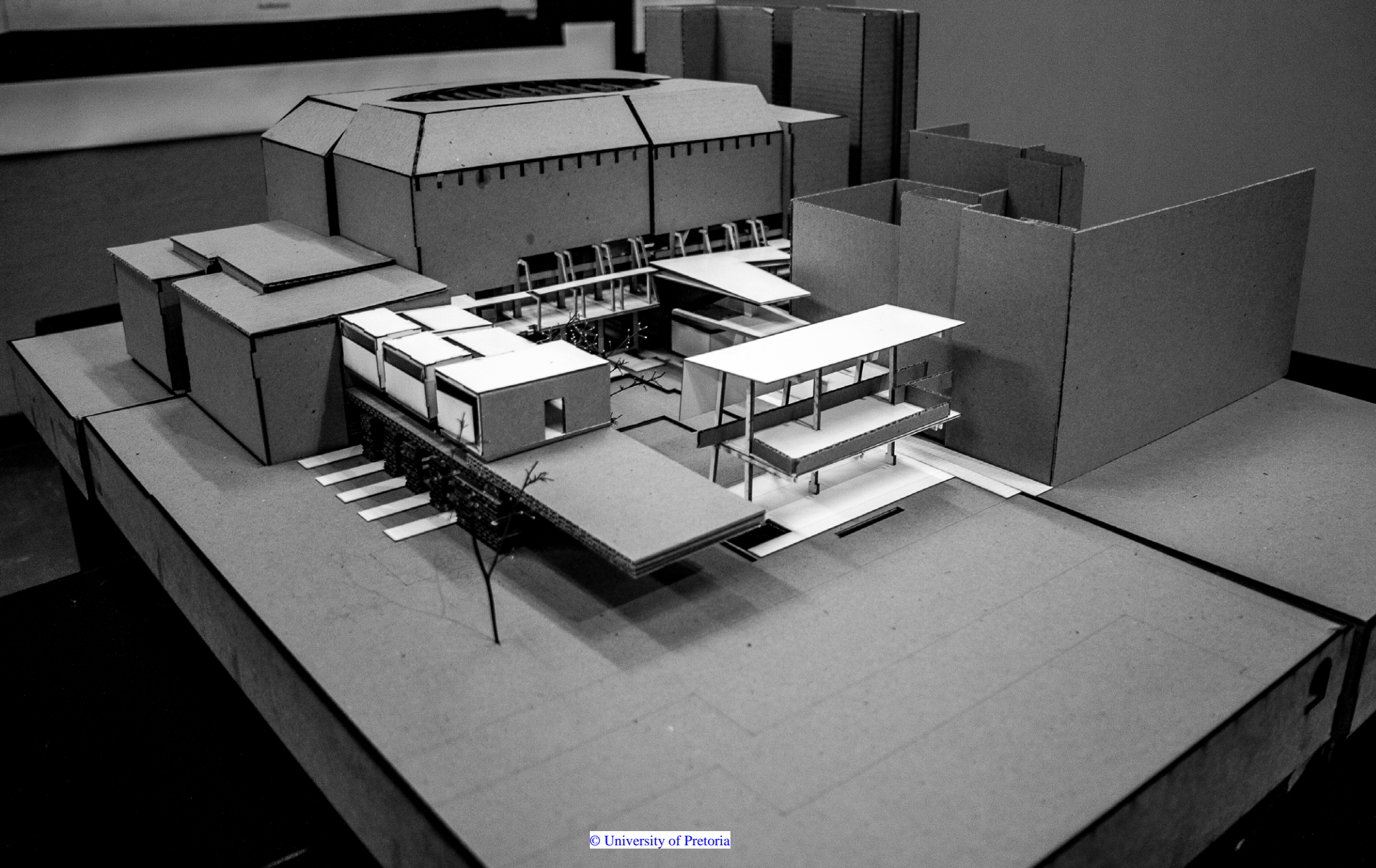
SECTION D - D

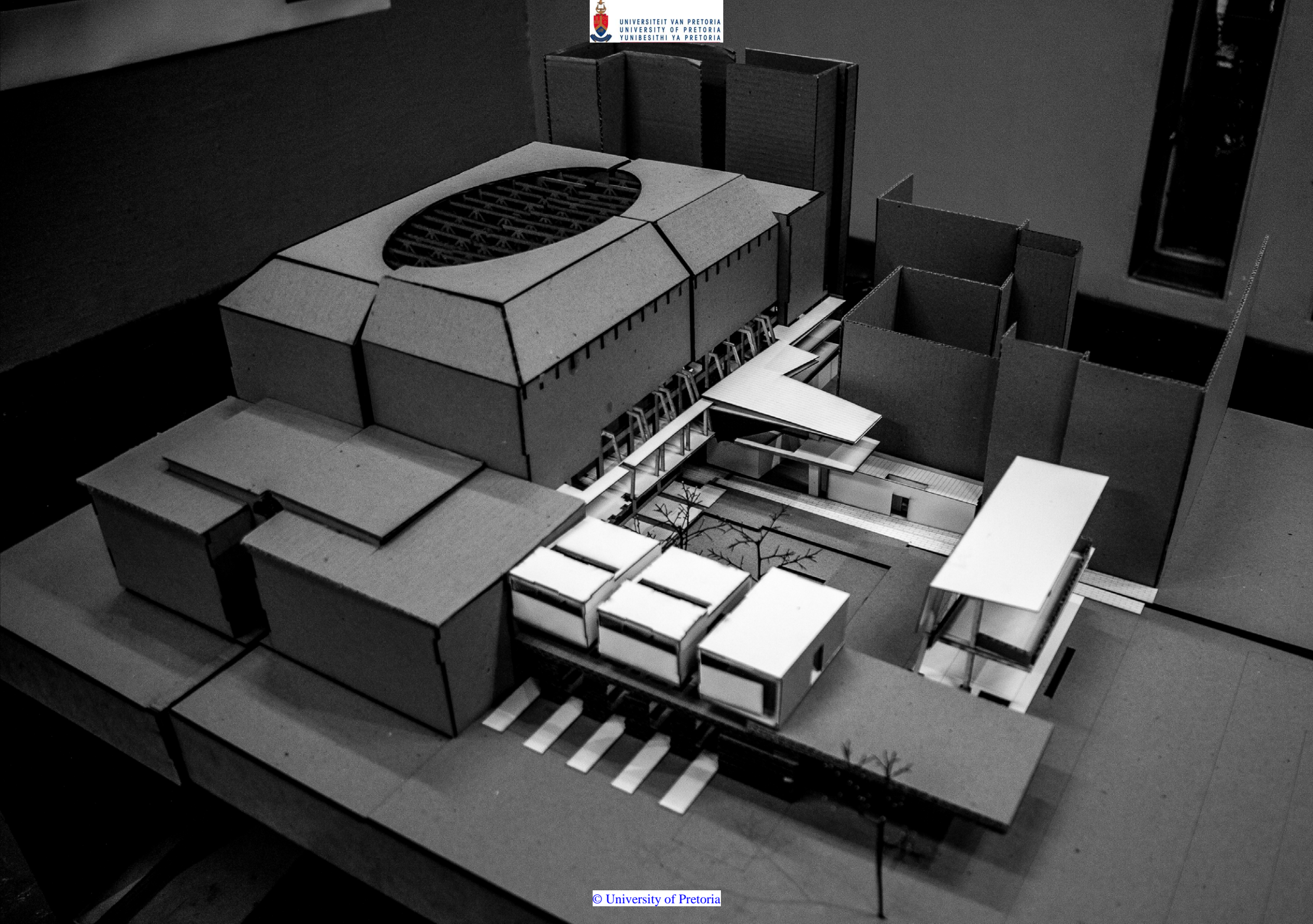


SECTION E - E

APPENDIX: FINAL MODEL

















Auditorium

