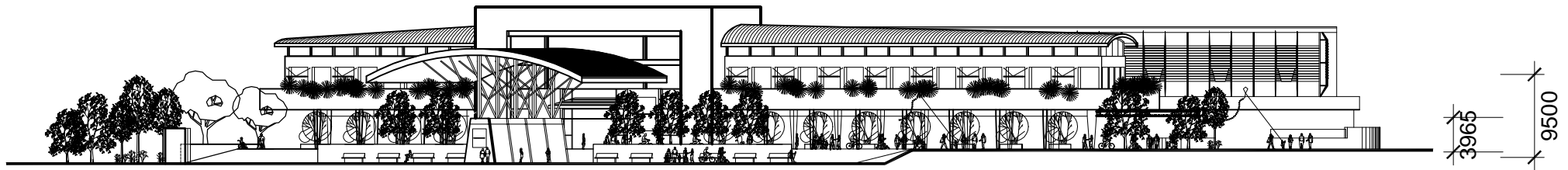


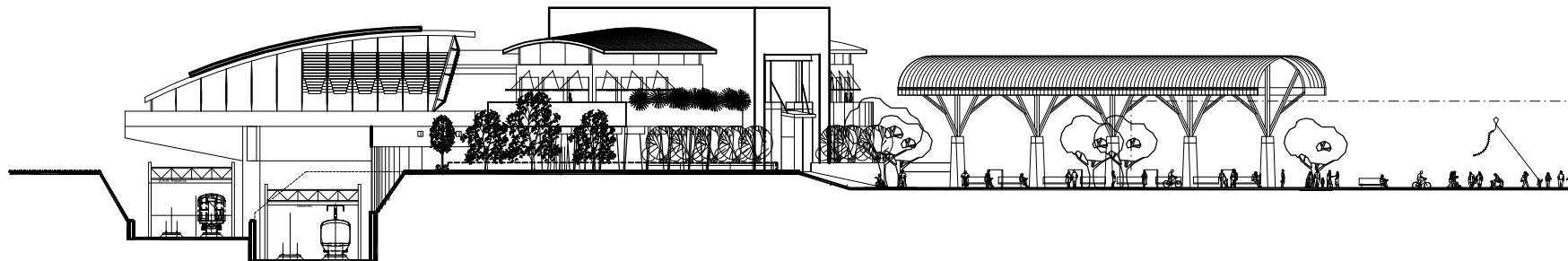
Chapter 9

Plans



North West Elevation

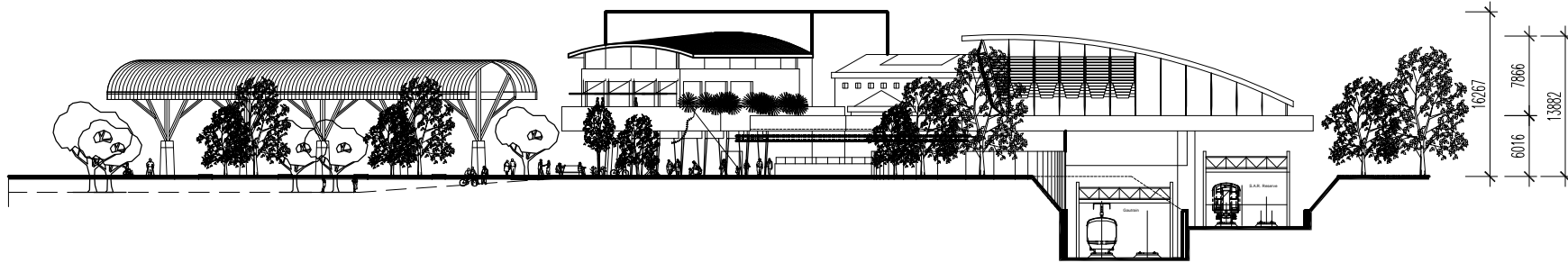
scale 1:200



North East Elevation

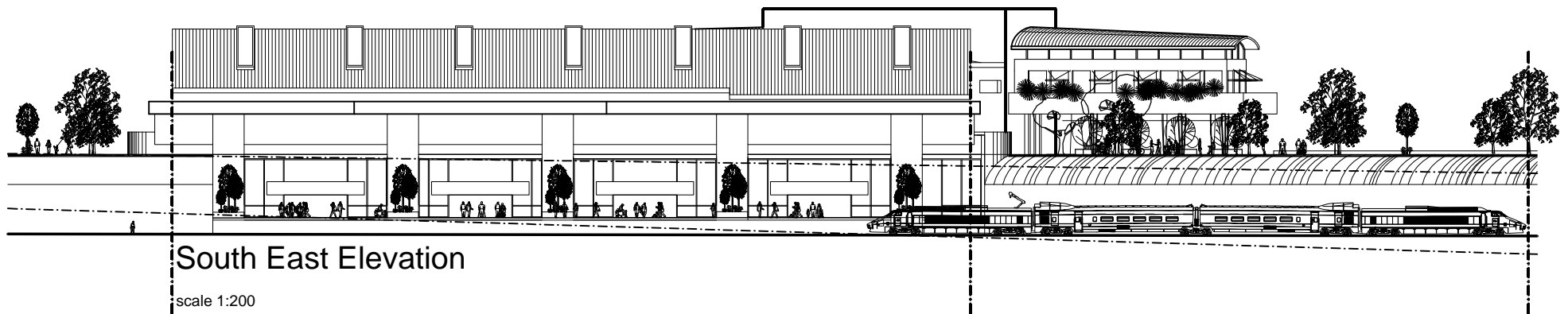
scale 1:200

Proposed Gautrain Station, Hatfield



South West Elevation

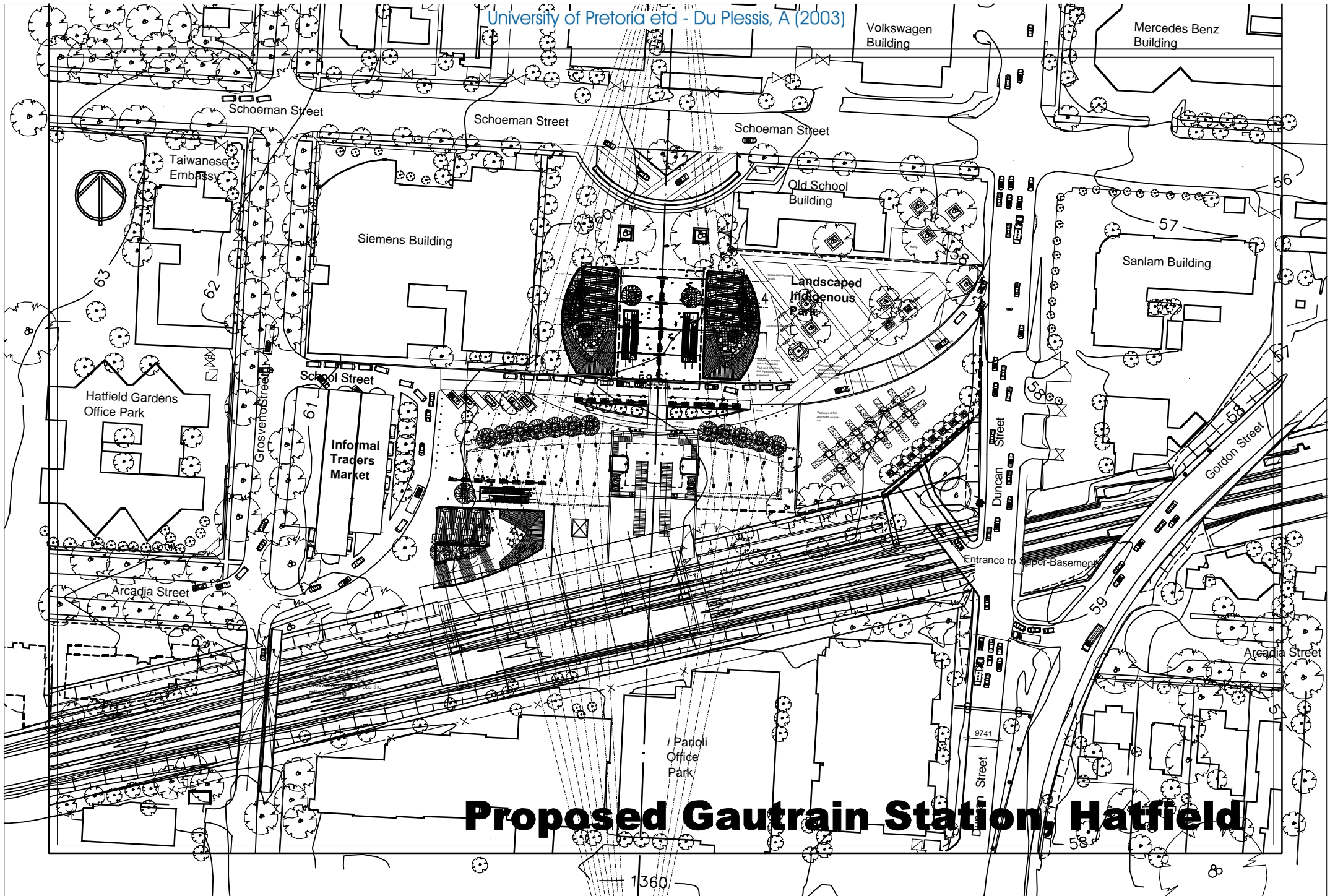
scale 1:200



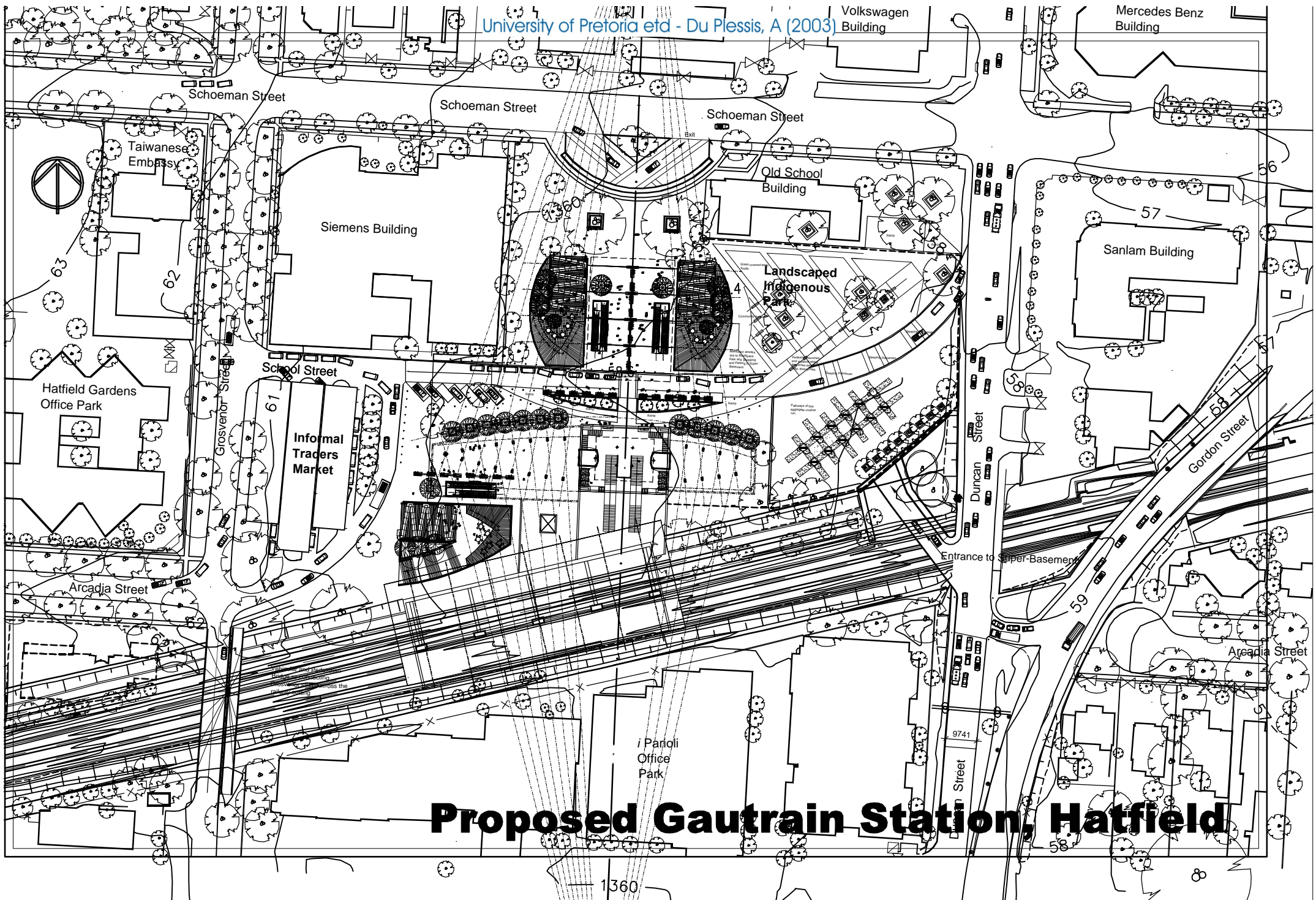
South East Elevation

scale 1:200

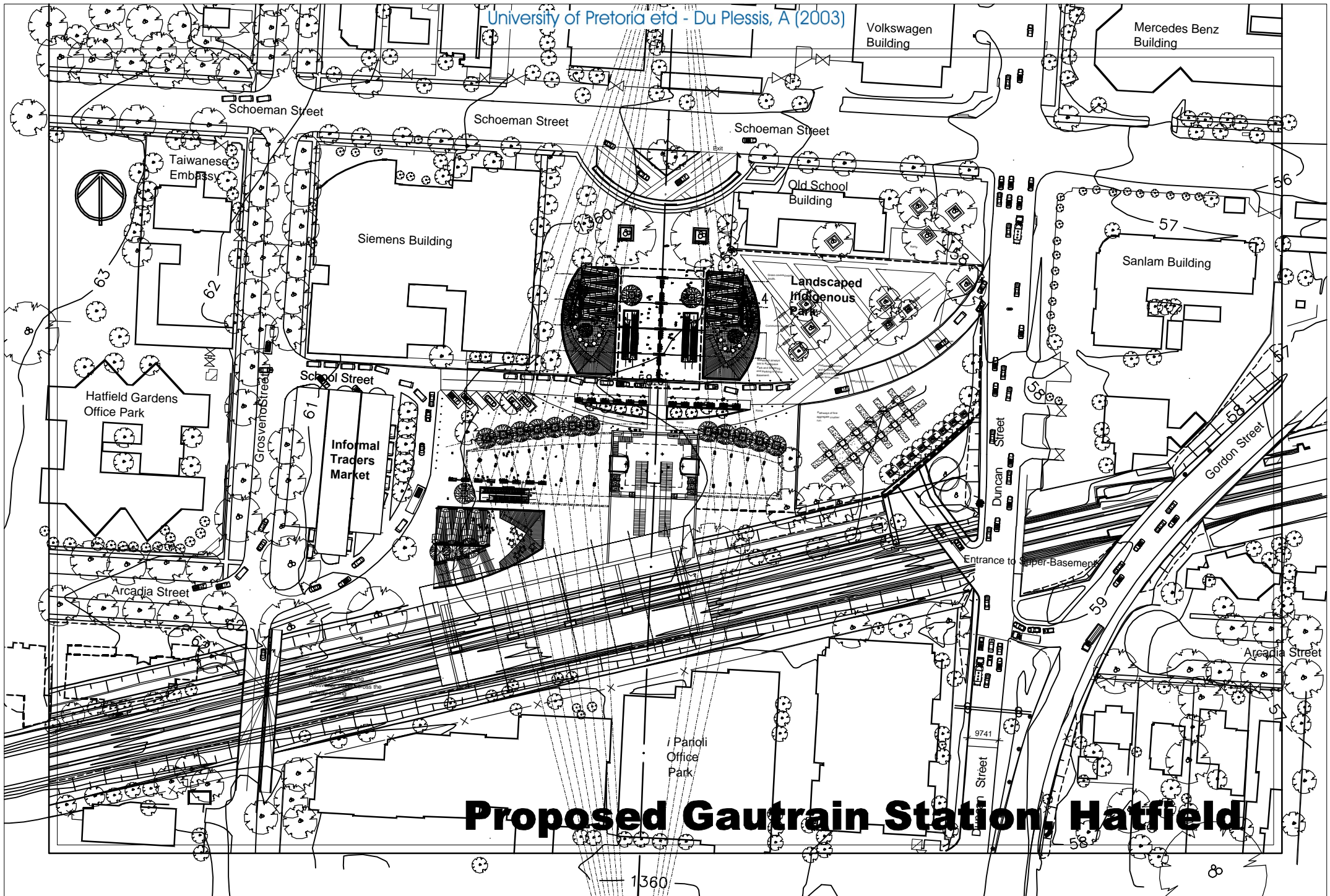
Proposed Gautrain Station, Hatfield



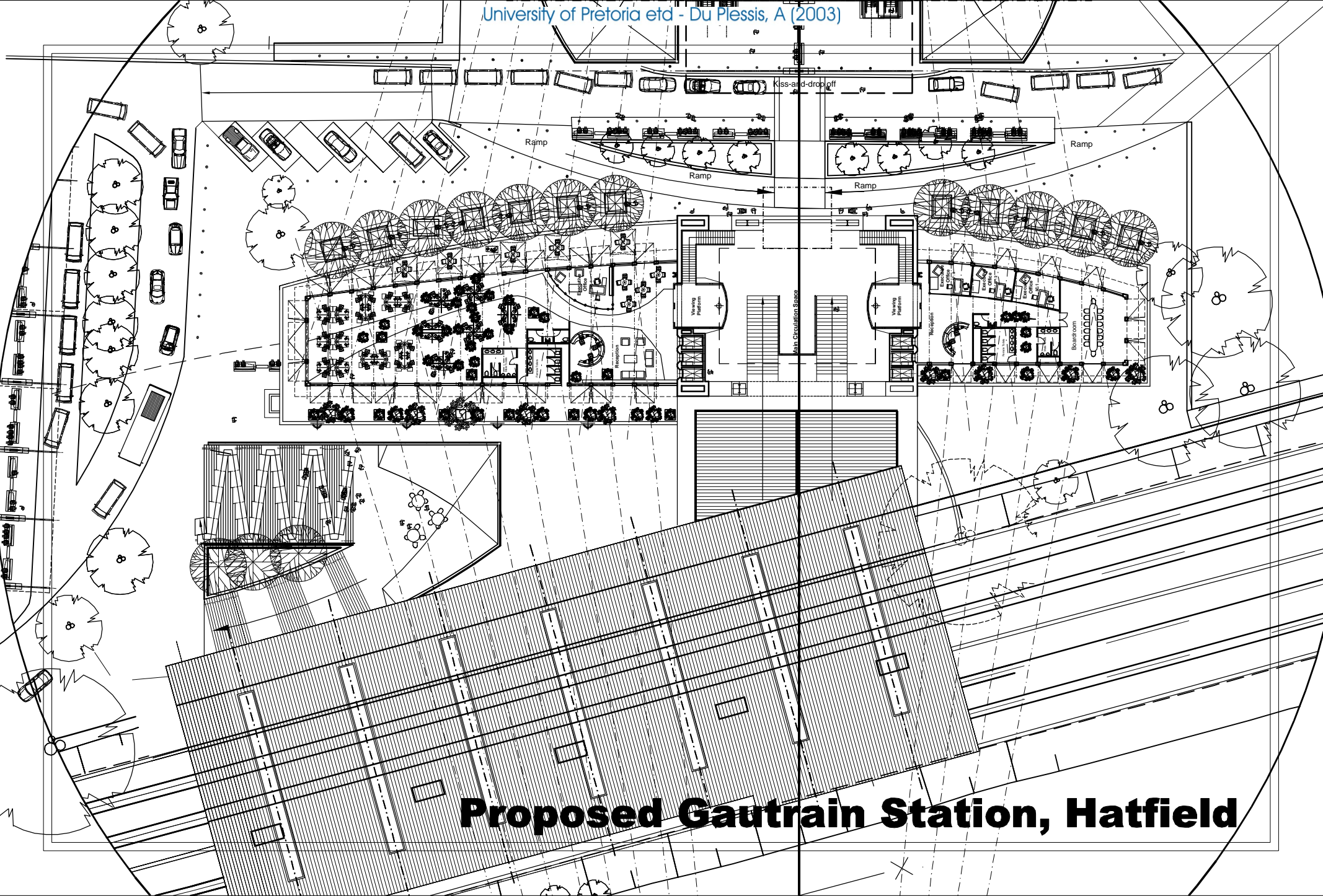
Proposed Gautrain Station, Hatfield



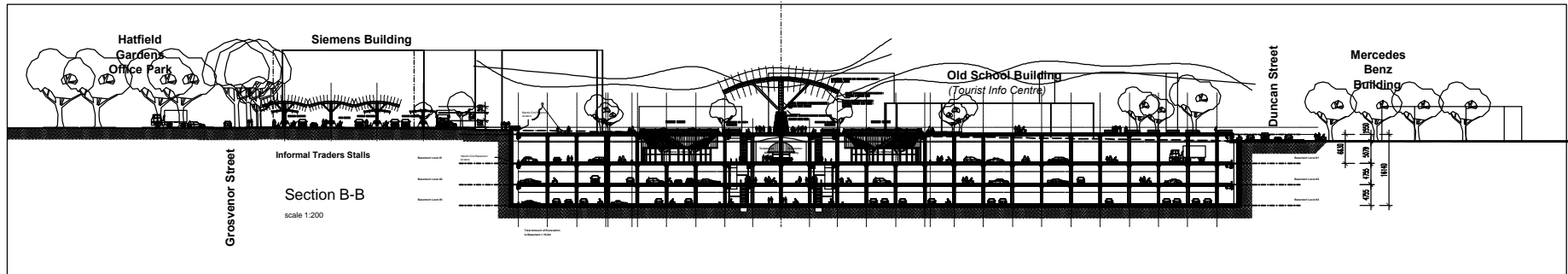
Proposed Gautrain Station, Hatfield



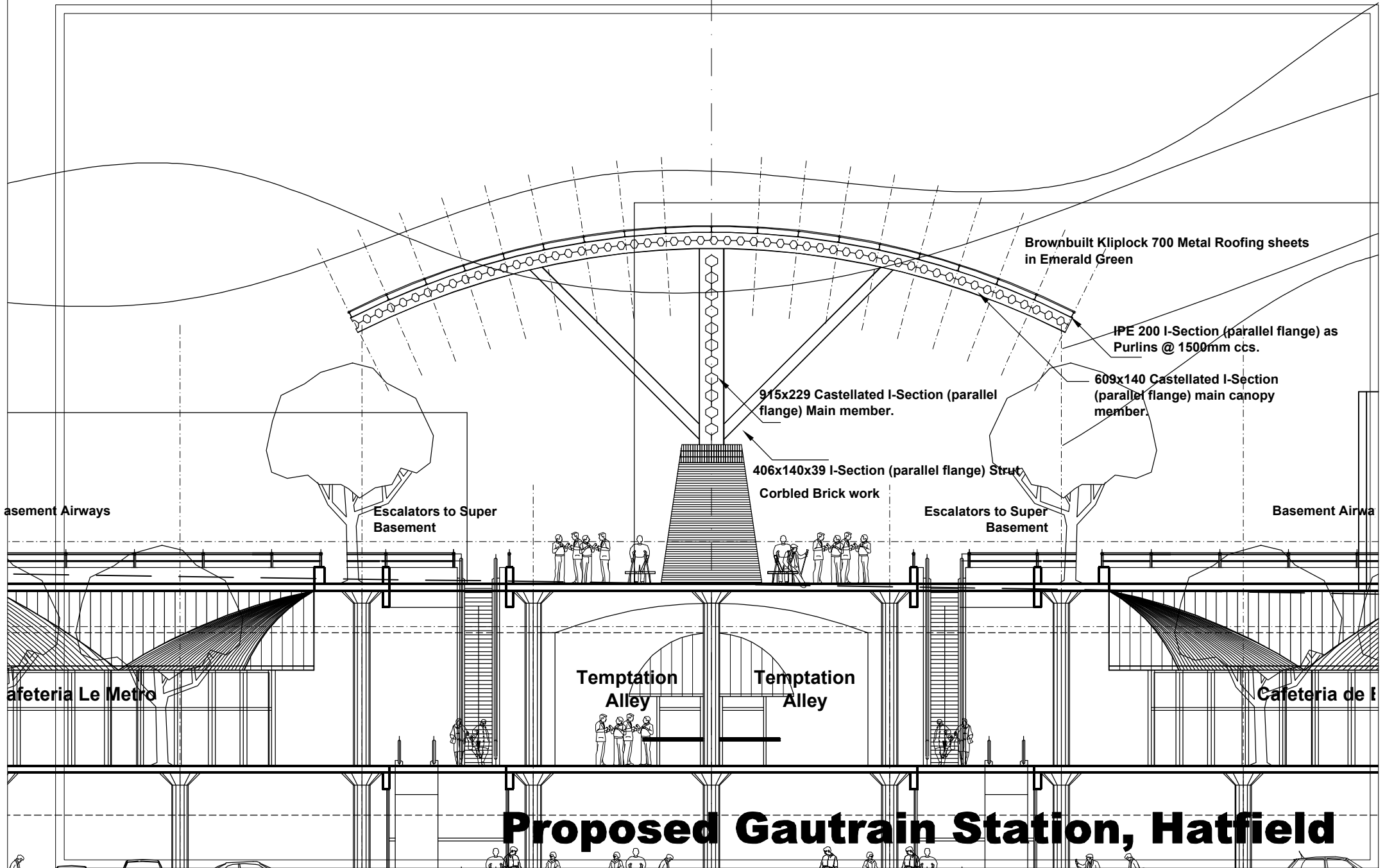
Proposed Gautrain Station, Hatfield

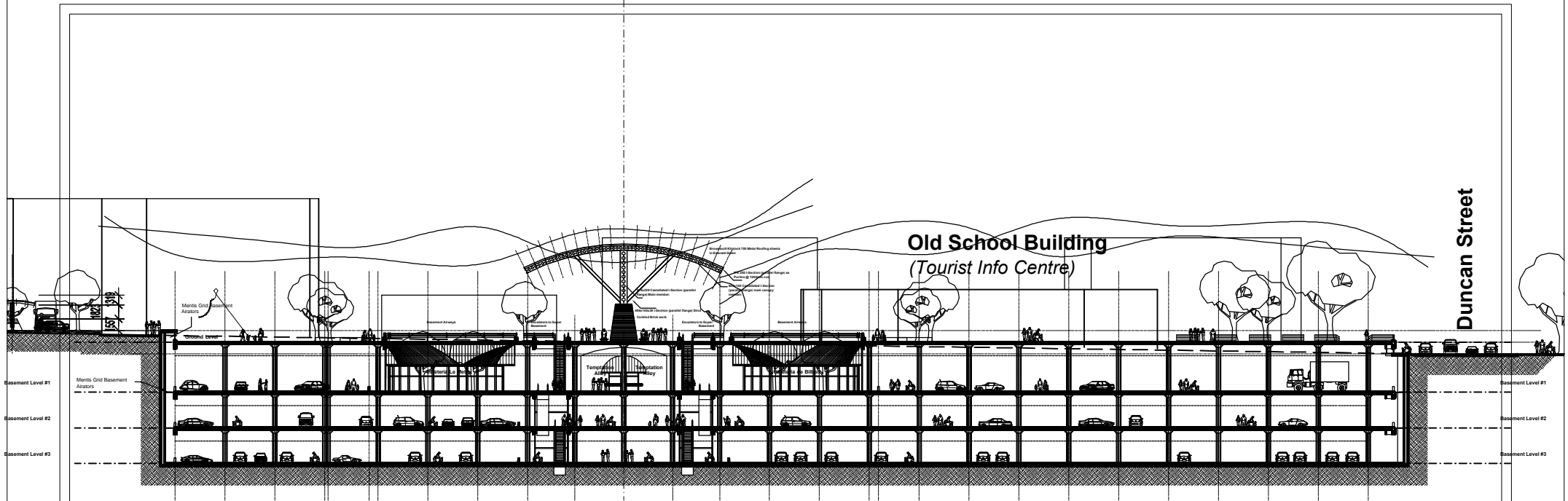


Proposed Gautrain Station, Hatfield

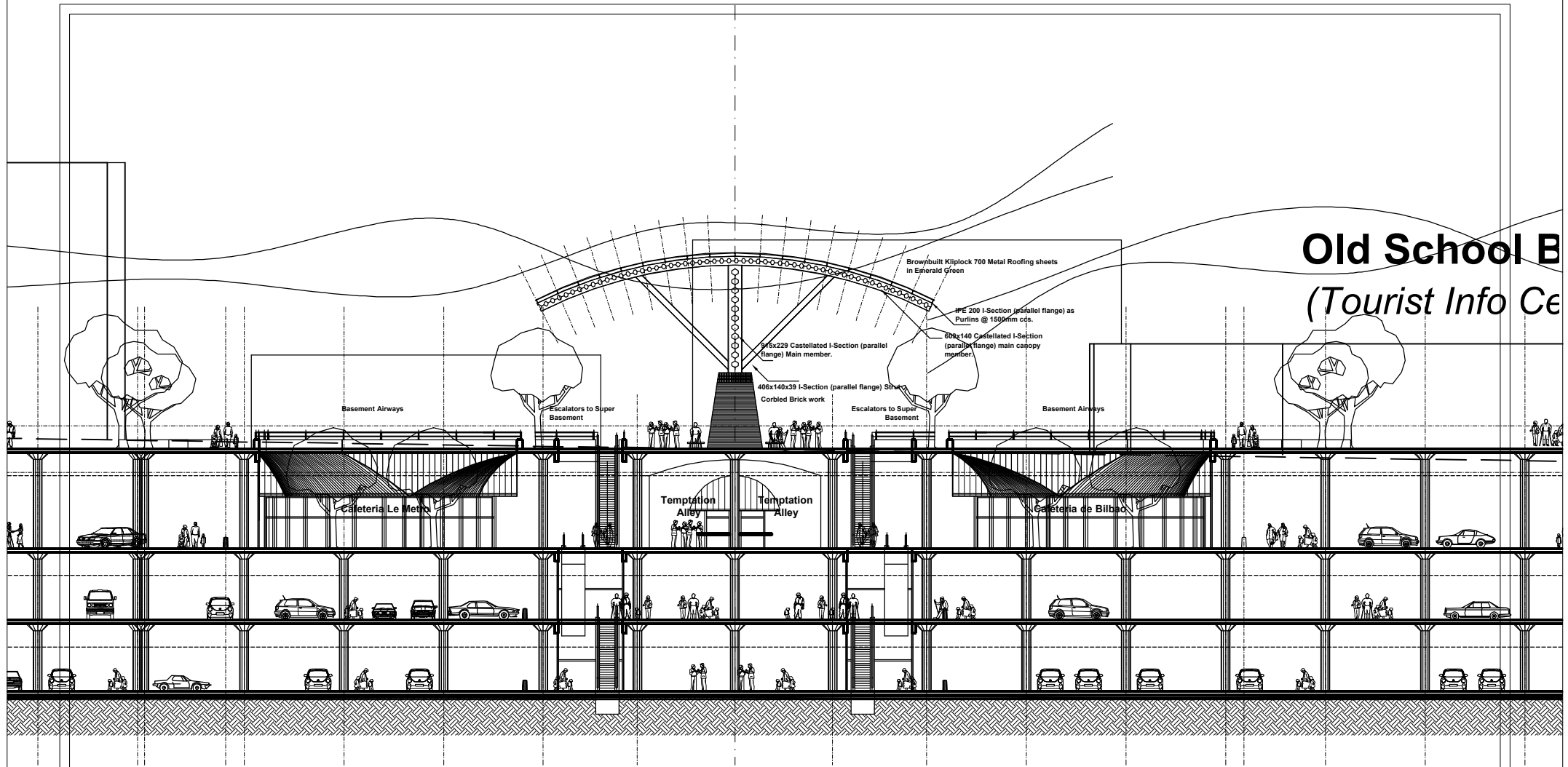


Proposed Gautrain Station, Hatfield



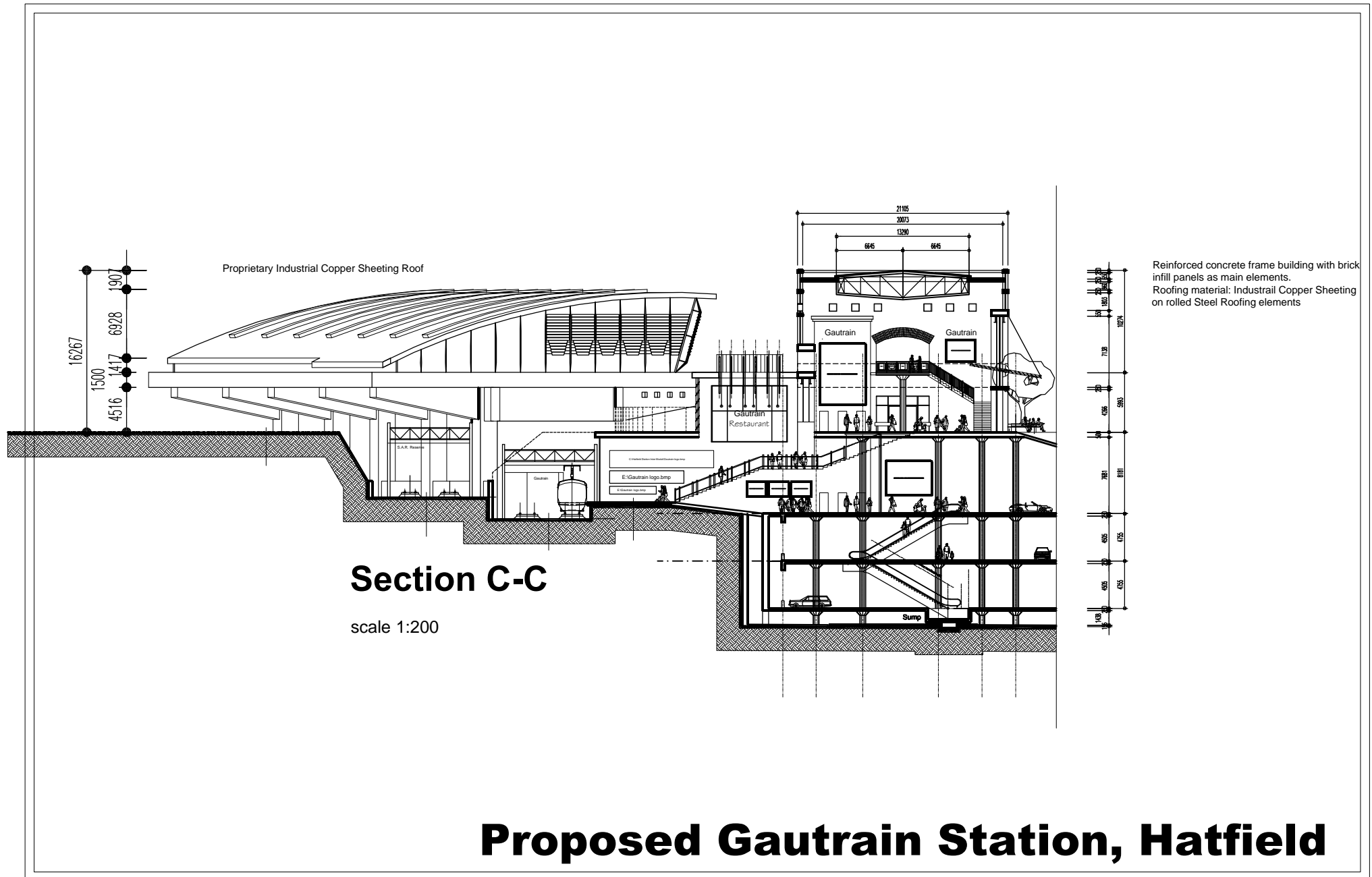


Proposed Gautrain Station, Hatfield

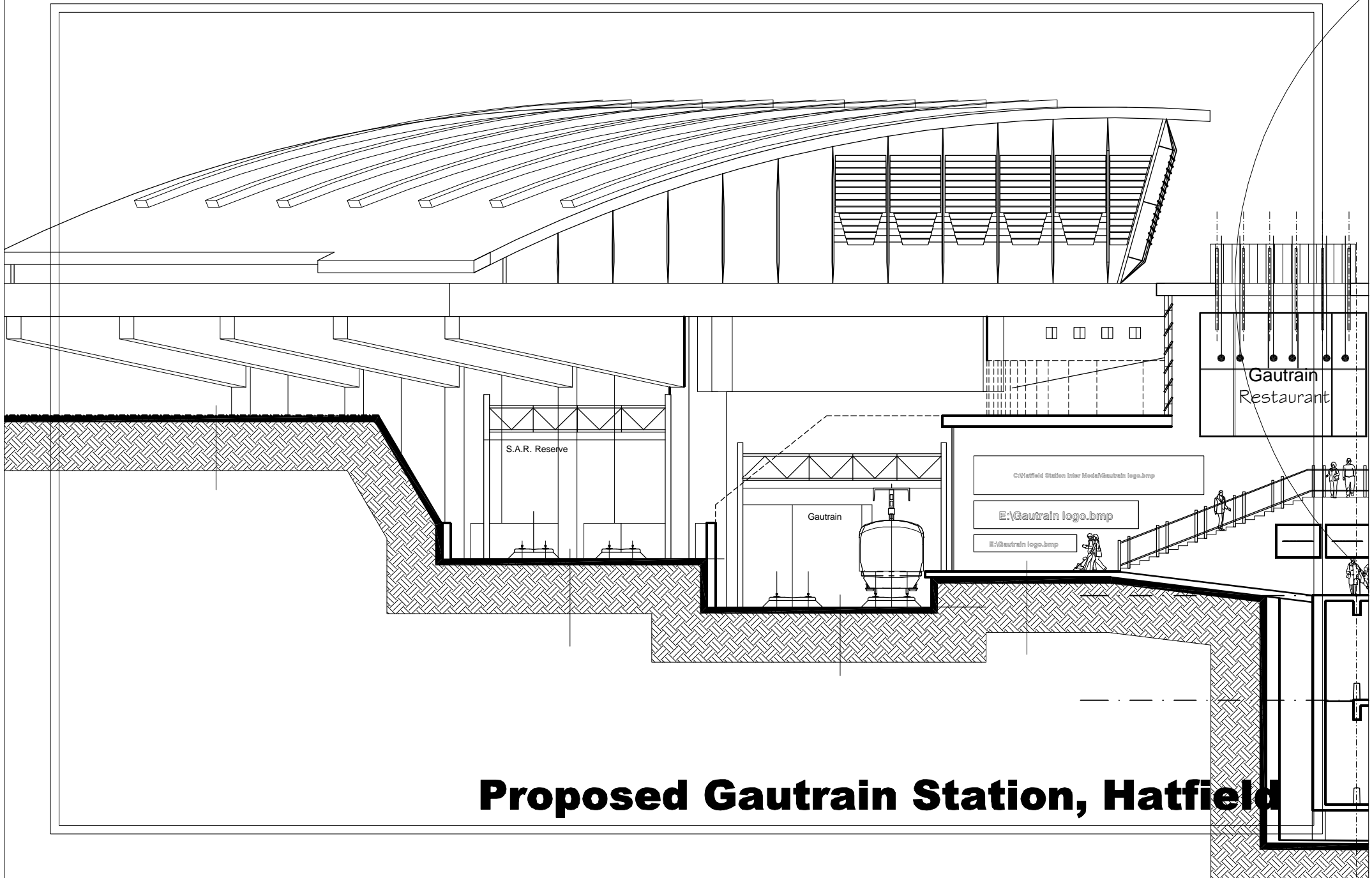


Old School B
(Tourist Info Ce

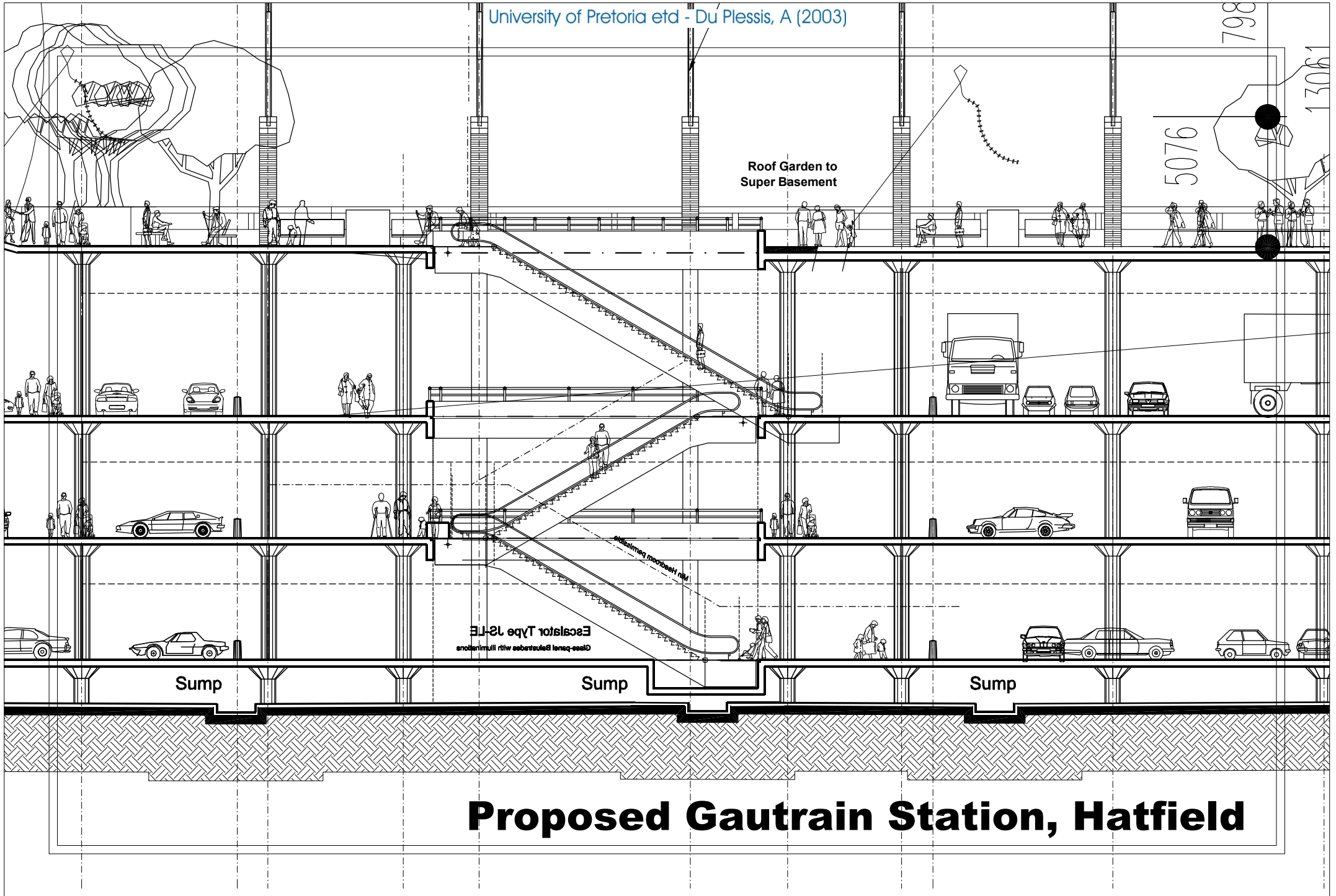
Proposed Gautrain Station, Hatfield



Proposed Gautrain Station, Hatfield

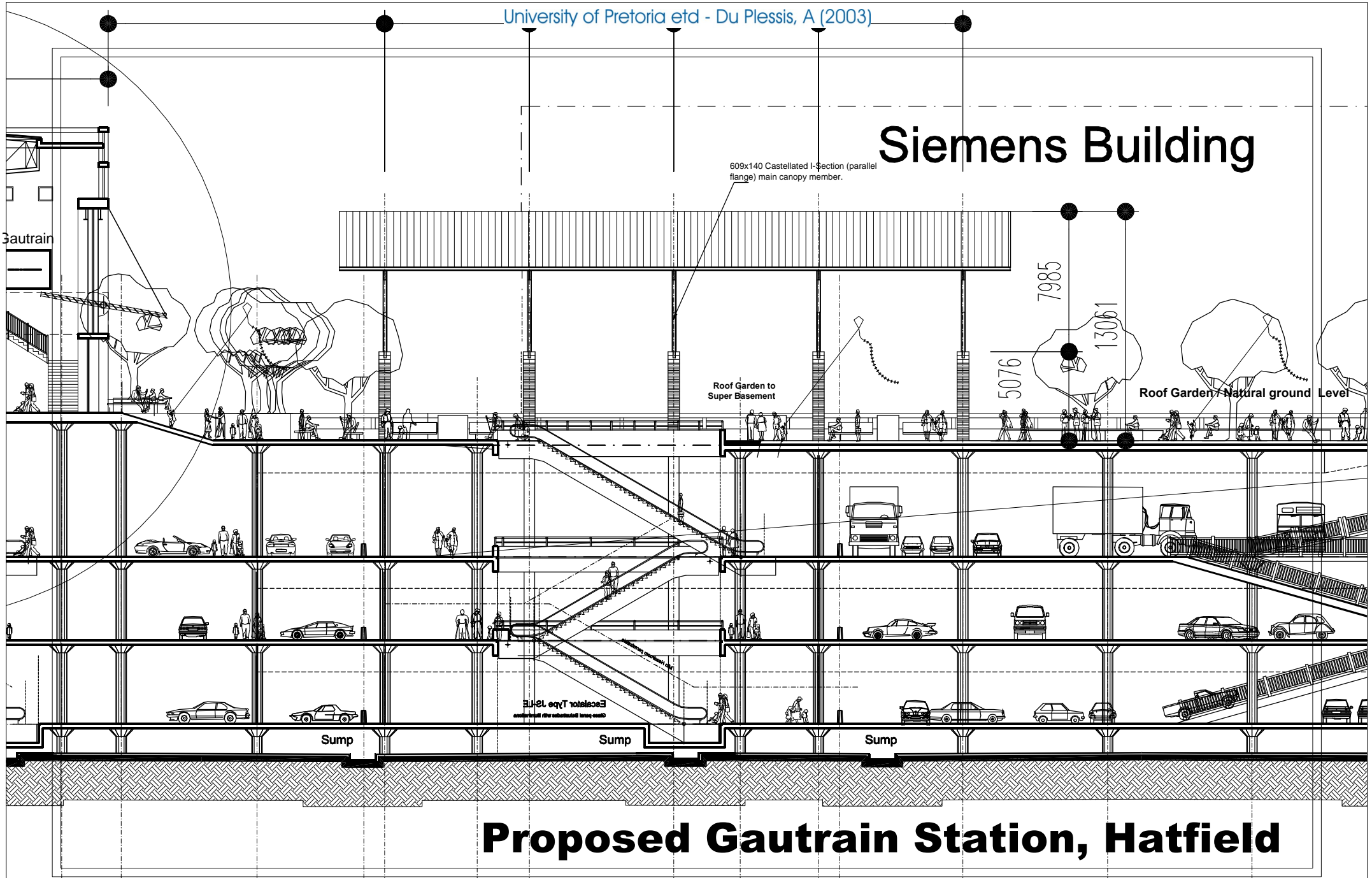


Proposed Gautrain Station, Hatfield

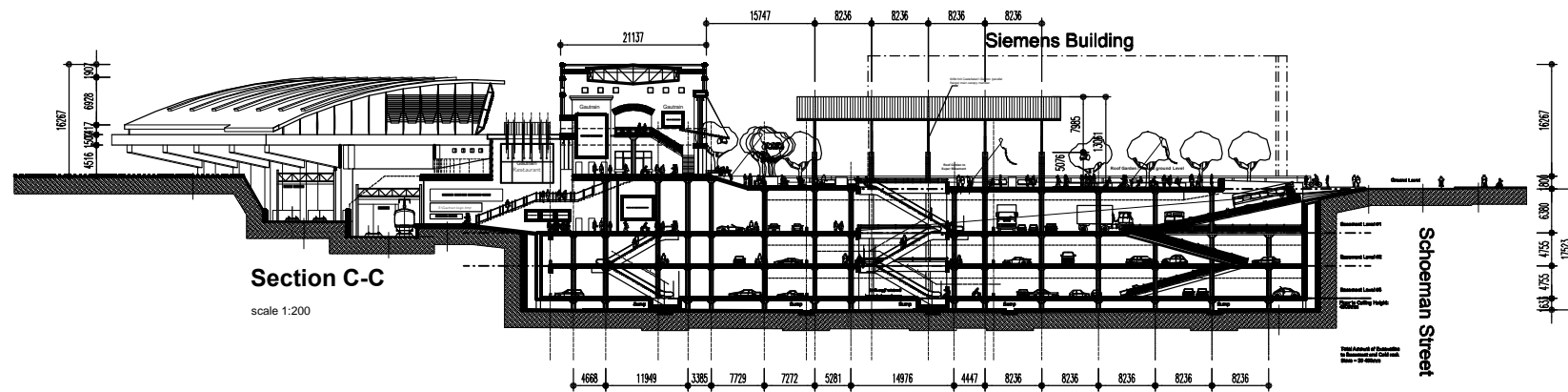


Proposed Gautrain Station, Hatfield

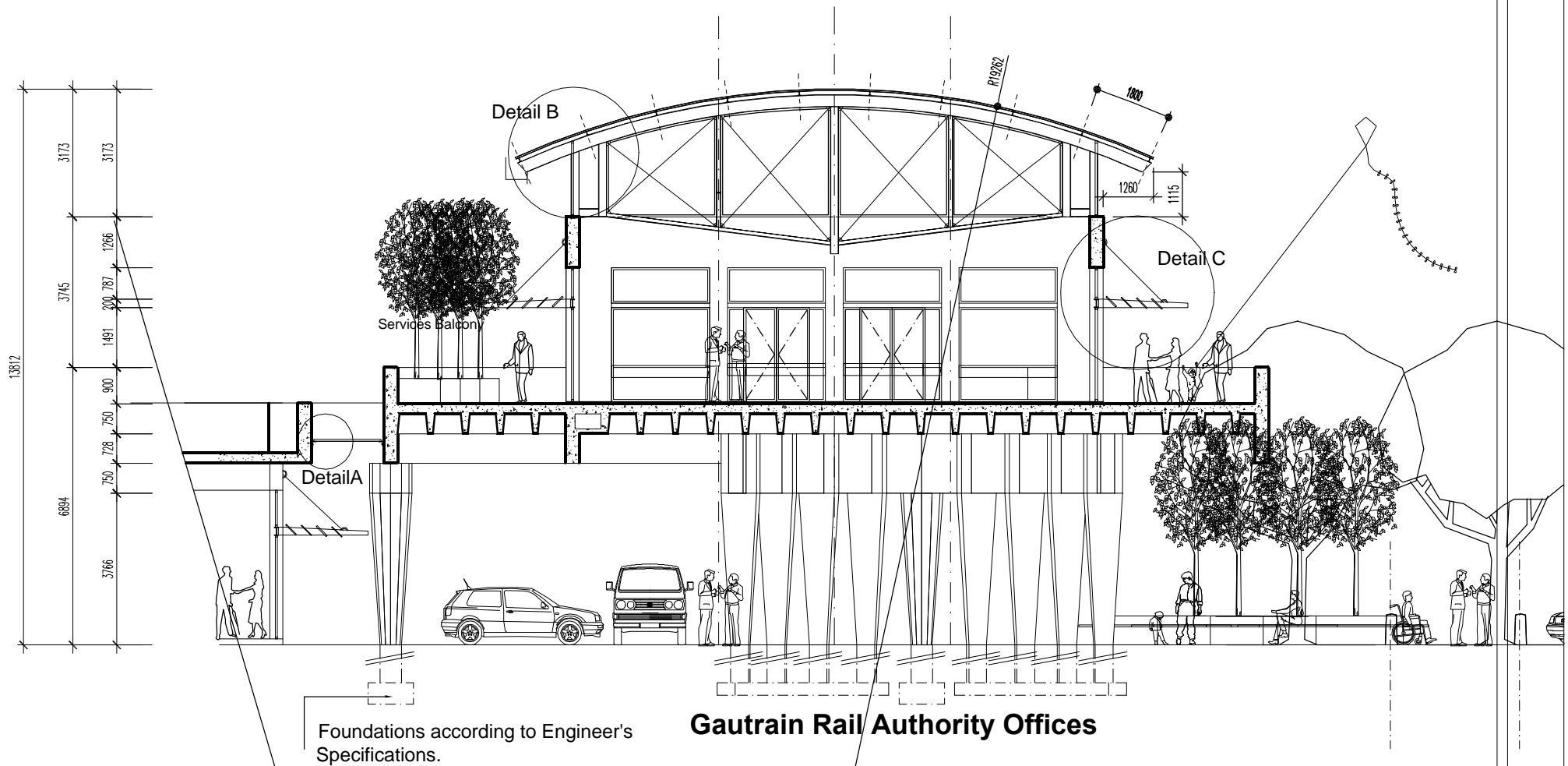
Siemens Building



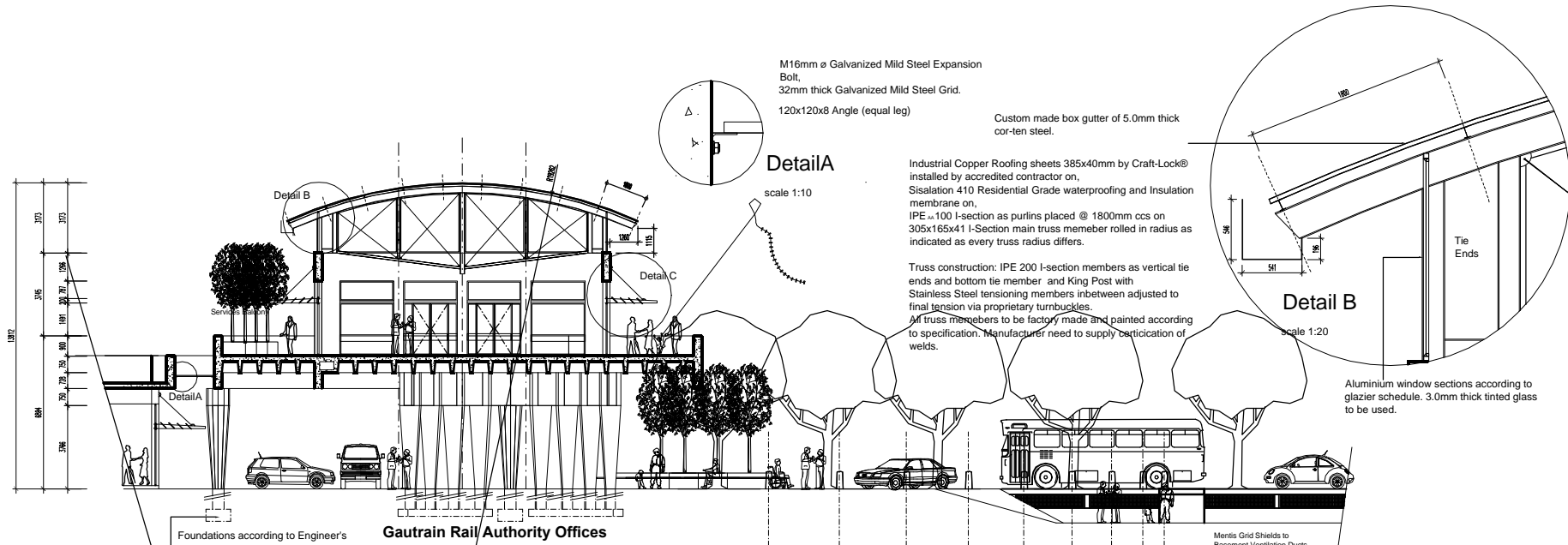
Proposed Gautrain Station, Hatfield



Proposed Gautrain Station, Hatfield



Proposed Gautrain Station, Hatfield



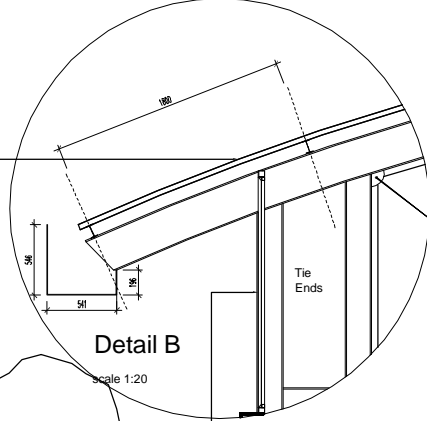
M16mm ø Galvanized Mild Steel Expansion Bolt,
32mm thick Galvanized Mild Steel Grid.
120x120x8 Angle (equal leg)

Detail A
scale 1:10

Custom made box gutter of 5.0mm thick cor-ten steel.

Industrial Copper Roofing sheets 385x40mm by Craft-Lock® installed by accredited contractor on Sisalation 410 Residential Grade waterproofing and Insulation membrane on, IPE 100 I-section as purlins placed @ 1800mm ccs on 305x165x41 I-Section main truss member rolled in radius as indicated as every truss radius differs.

Truss construction: IPE 200 I-section members as vertical tie ends and bottom tie member and King Post with Stainless Steel tensioning members inbetween adjusted to final tension via proprietary turnbuckles. All truss members to be factory made and painted according to specification. Manufacturer need to supply certification of welds.



Detail B
Scale 1:20

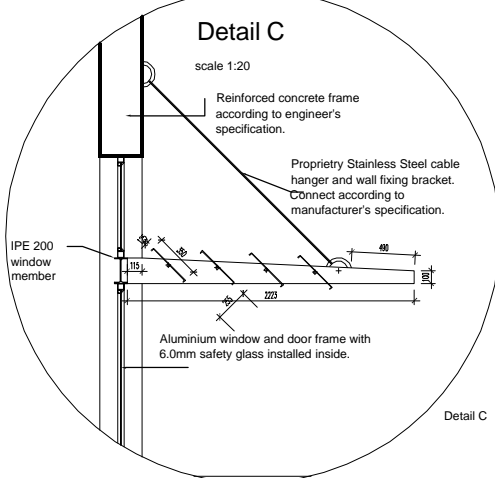
Aluminium window sections according to glazier schedule. 3.0mm thick tinted glass to be used.

Foundations according to Engineer's Specifications.

Gautrain Rail Authority Offices

Section E-E

scale 1:100



Detail C
scale 1:20

Custom made Aluminium Louvers over fenestrated areas: Pre-fabricated 1.3mm thick smooth plate bent into progressively smaller sections as dictated by the design of the Solar Azimuth study. Commencing with 350x50x1.3mm panel leading down to 100x50x1.3mm panel. (See Detail C).

Louvers to be suspended from re-inforced concrete frame by means of proprietary turnbuckle-type hangers as specified by manufacturer.

Aluminium Louvers to be natural finish as well as aluminium window and door frames utilised elsewhere in the building.

Construction of the built frame: Re-inforced concrete frame as designed and specified by Structural Engineer with clay brick infill panels. Plaster and paint the panels to co-incide with the finish as specified by the architect.

All services to be accommodated under foot in a floating floor construction. Floating floor to consist of approved proprietary system capable of moderate to high static loads, as per called for in Office criteria.

Floor slab spanning great distances in a cantilever form and as such calls for deep waffled slab configuration. Staggered column spacing essential in the legibility of the building, needs to clearly define the pedestrian traffic paths to be taken.

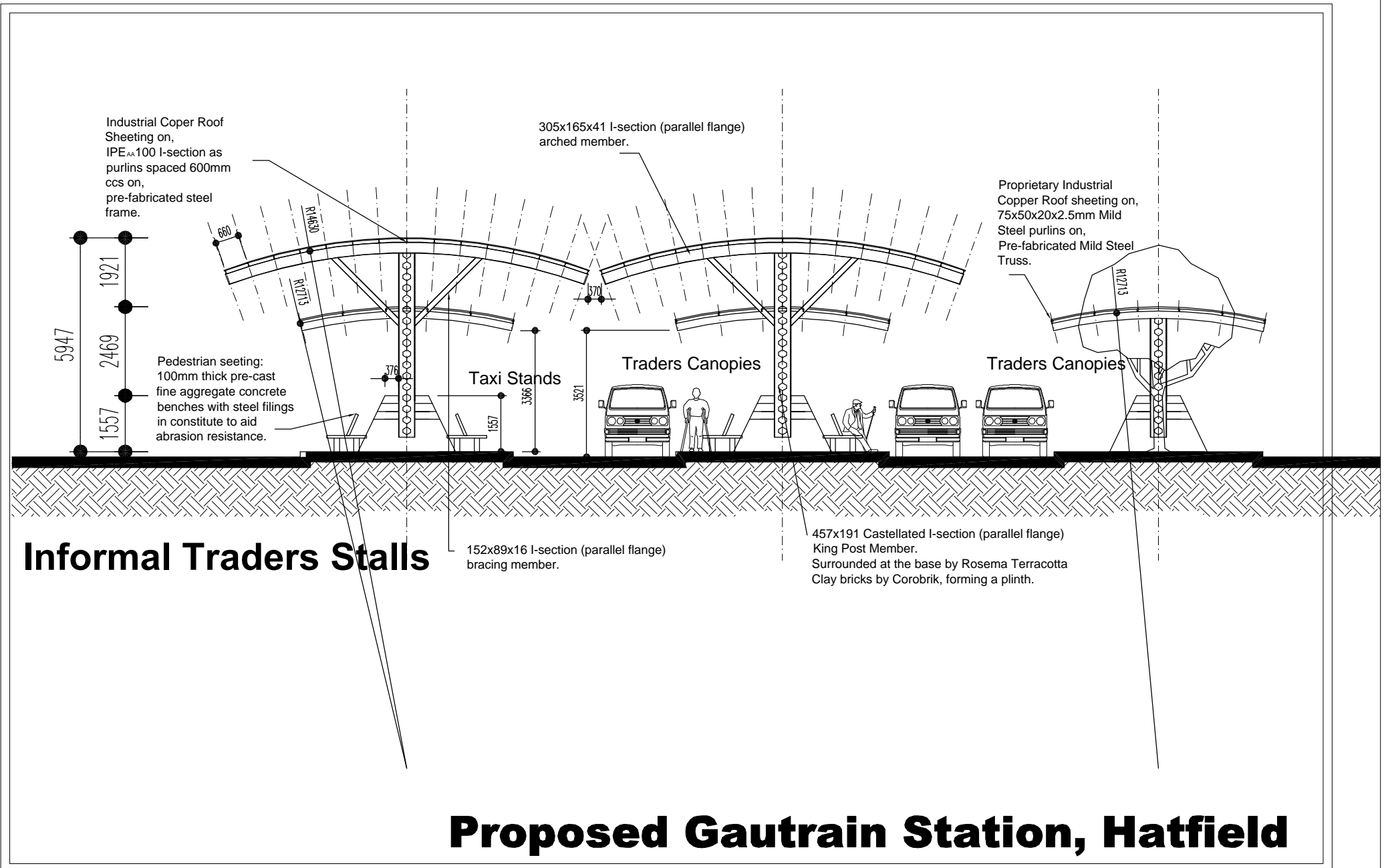
Building up to First Floor Level re-inforced concrete as per engineer's specification, above the use of composite materials (steel members and masonry) as called for in the specific designed area. ie Vertical Circulation area re-inforced concrete and brick infill with massively oversized steel members to co-incide with the railway theme.

Office spaces to consist of arched steel member composite trusses with progressively smaller radial to facilitate the design, with steel I-section purlins and Proprietary Copper roofing sheets placed onto.

Insulation in roof to consist of Sisalation 410 Residential Grade or similar approved product lain underneath purlin and truss space.

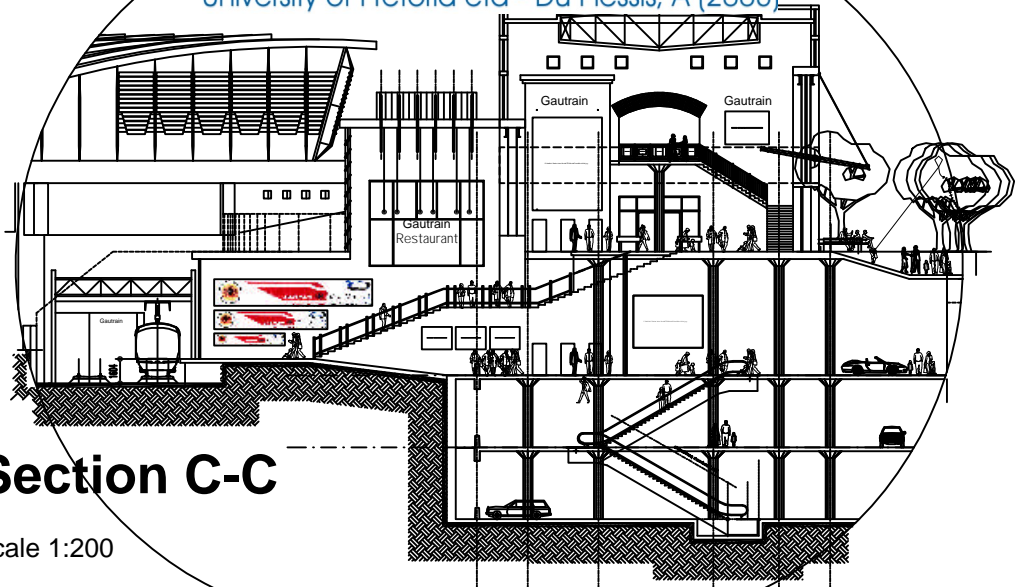
Truss construction: I-section members with Stainless Steel tensioning cables as tension memebres. Cabling to be Proprietary nature.

Proposed Gautrain Station, Hatfield



Proposed Gautrain Station, Hatfield

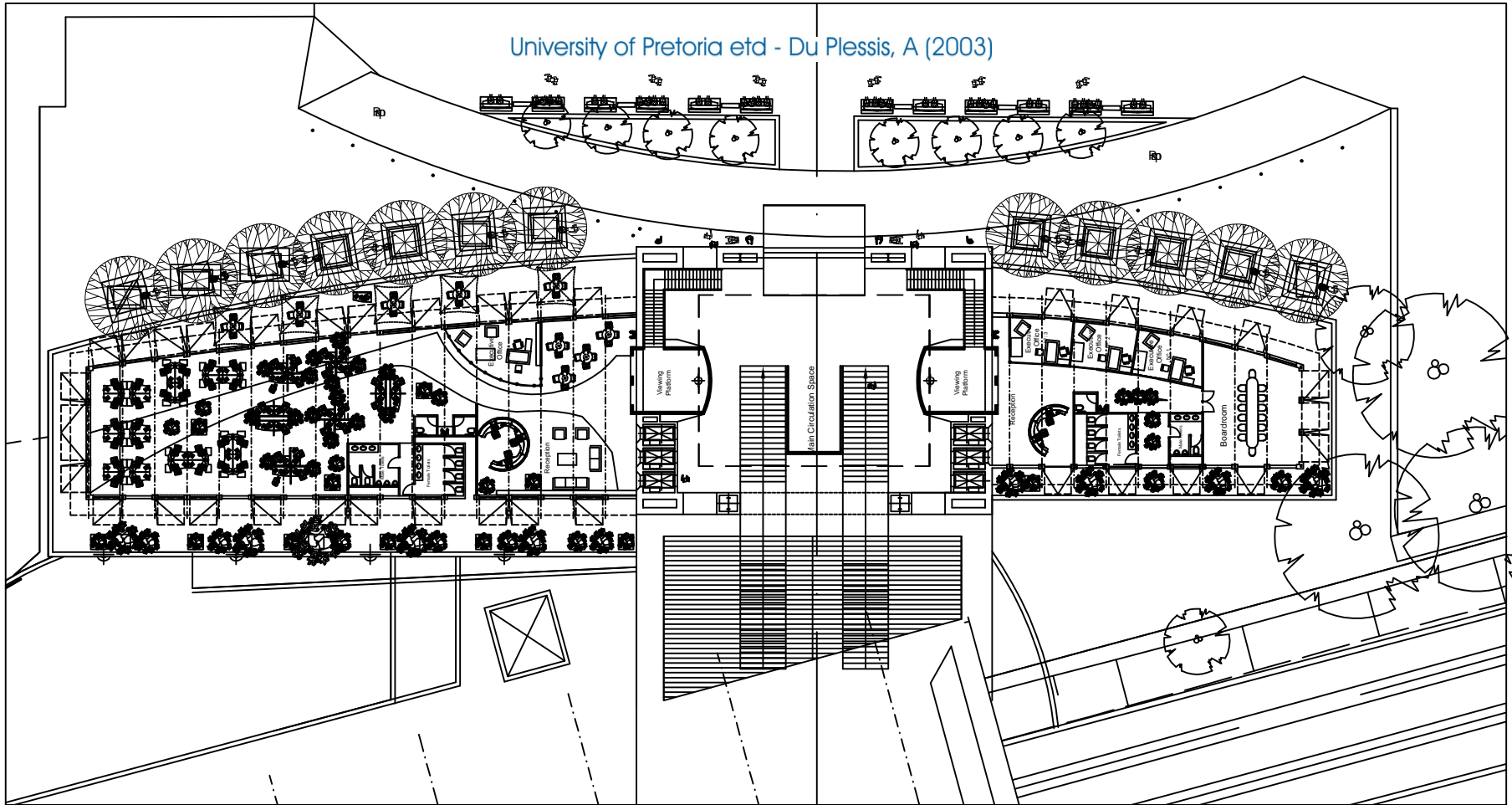
University of Pretoria etd - Du Plessis, A (2003)



Section C-C

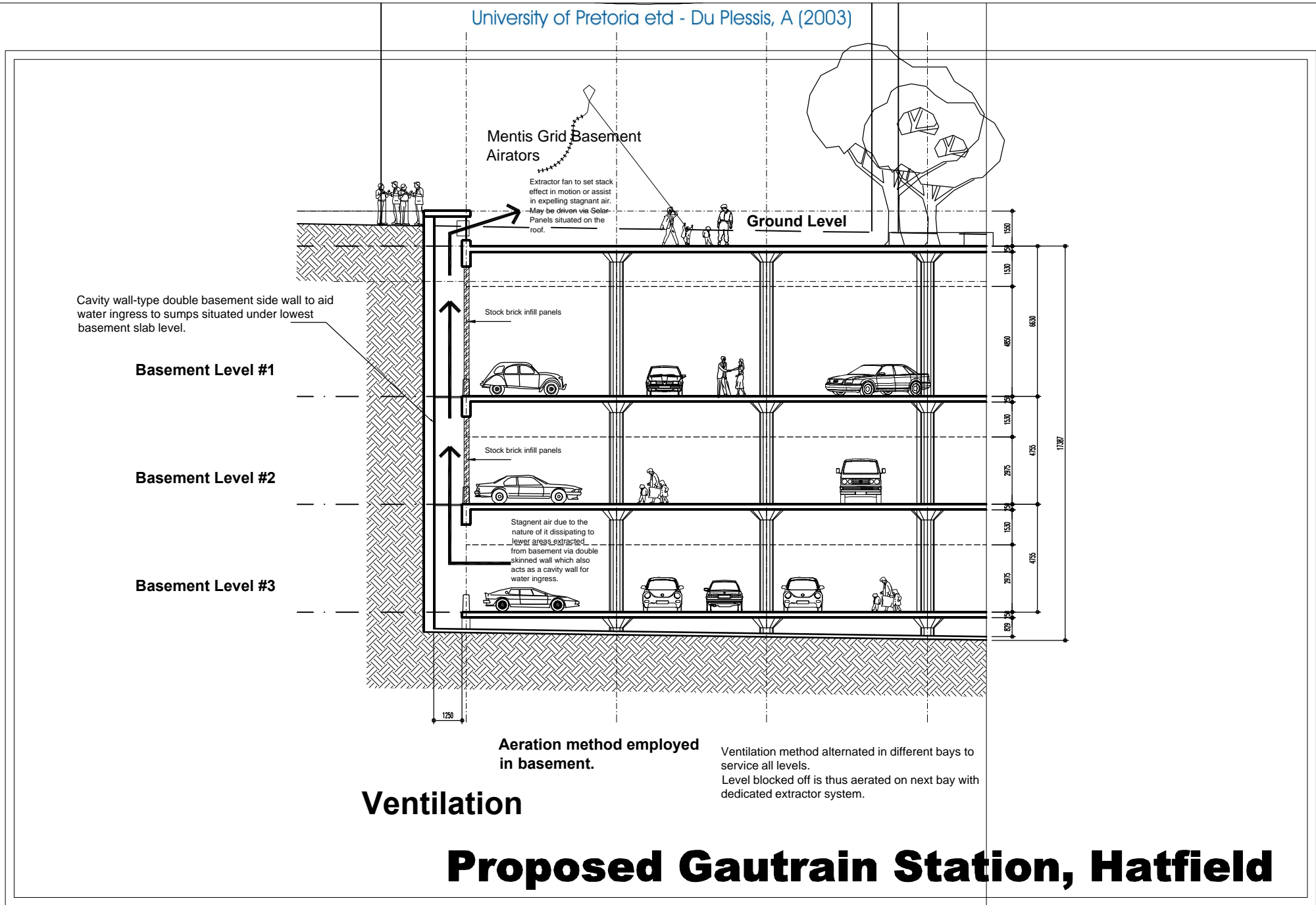
scale 1:200

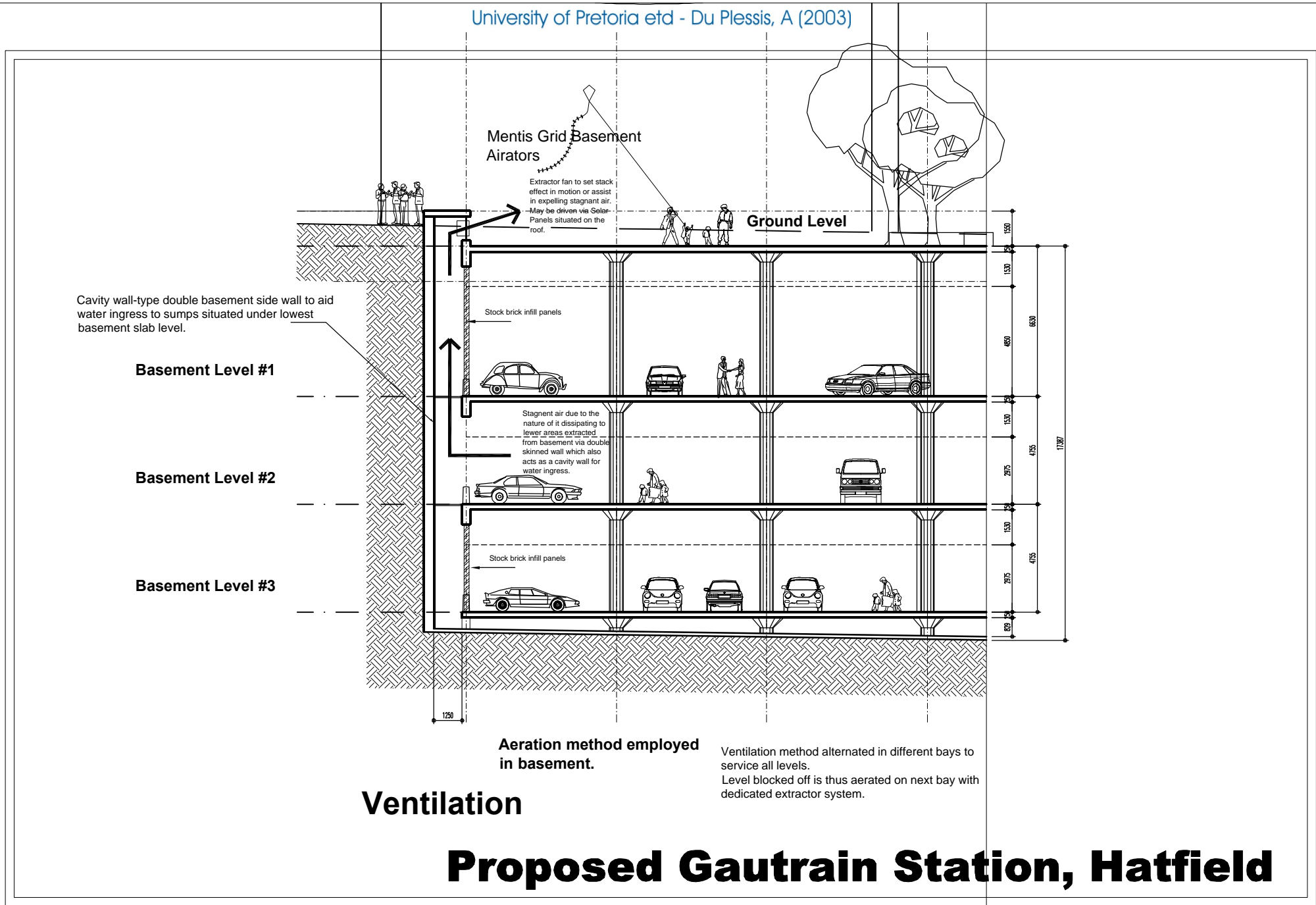
University of Pretoria etd - Du Plessis, A (2003)

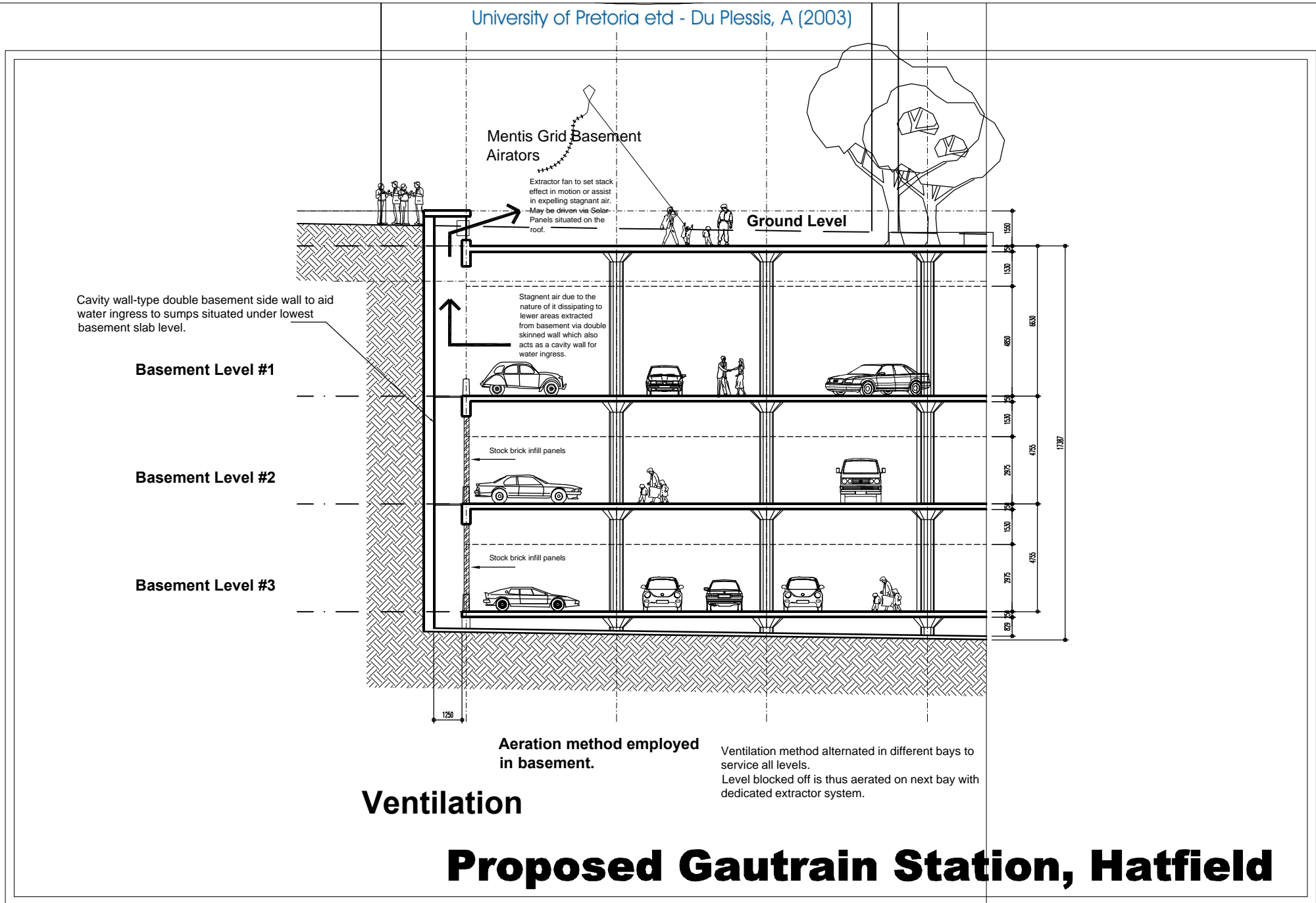


First Floor Plan

scale not to scale



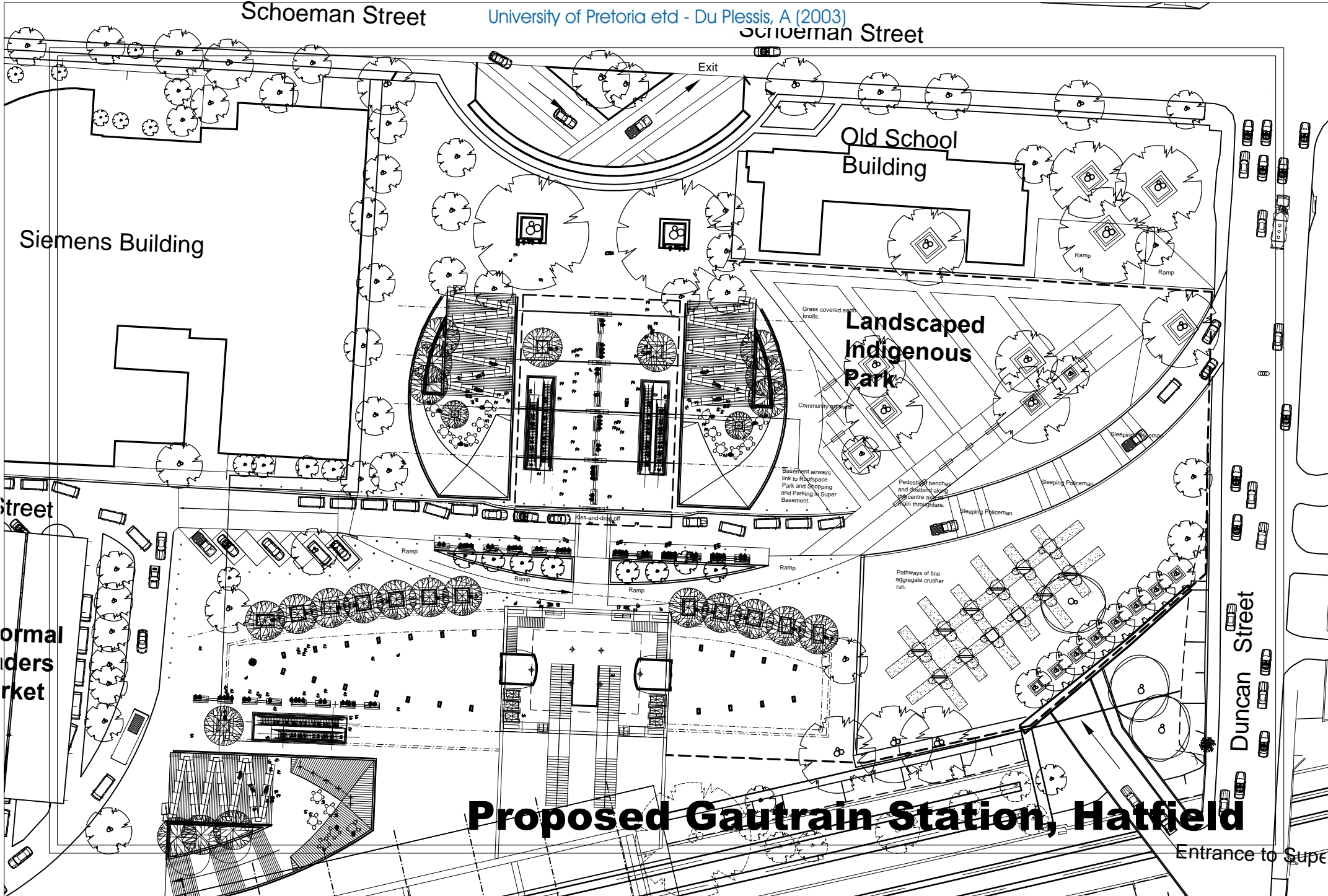




Schoeman Street

University of Pretoria etd - Du Plessis, A (2003)

Schoeman Street



Siemens Building

Old School Building

Landscaped Indigenous Park

Proposed Gautrain Station, Hatfield

Entrance to Supermarket

Normalmerskroket

Duncan Street

Exit

Grass covered earth knots.

Community space

Basement airways link to Rietvlei Park and Shopping and Parking in Super Basement.

Pedestrian benches and seating along the centre axis to train thoroughfare.

Sleeping Policeman

Sleeping Policeman

Pathways of fine aggregate crusher run.

Ramp

Ramp

Ramp

Ramp

Bus-and-draw-off

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

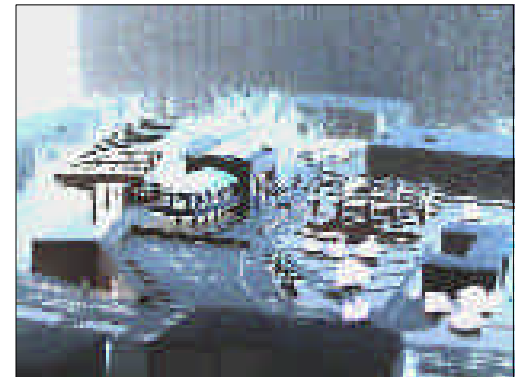
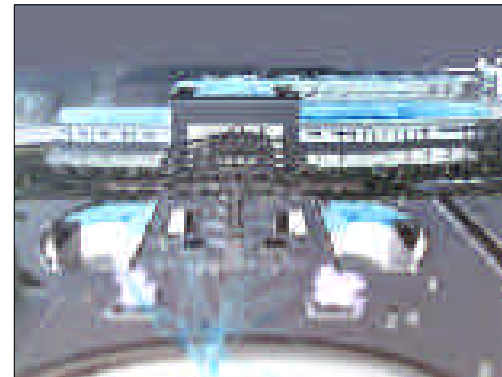
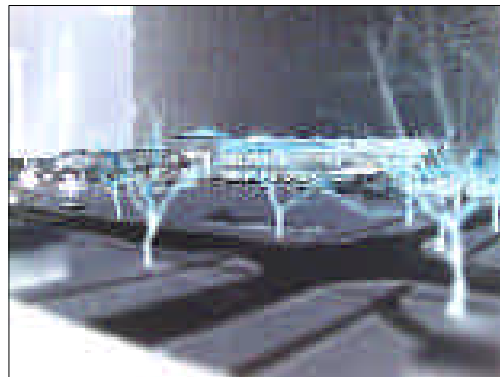
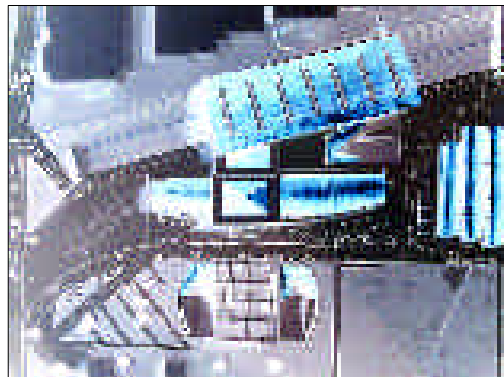
8

8

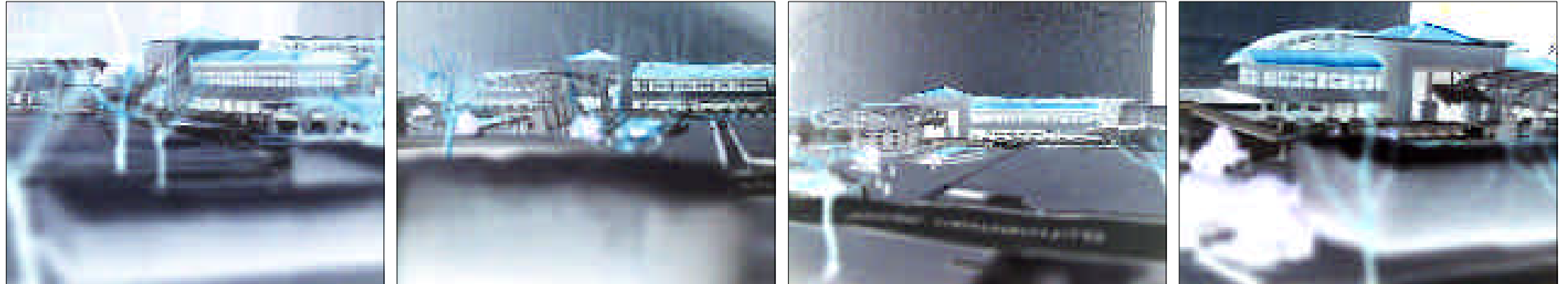
8

8

8



Proposed Gautrain Station, Hatfield



Proposed Gautrain Station, Hatfield

Go To:
Bibliography