08

FINAL CHAPTER

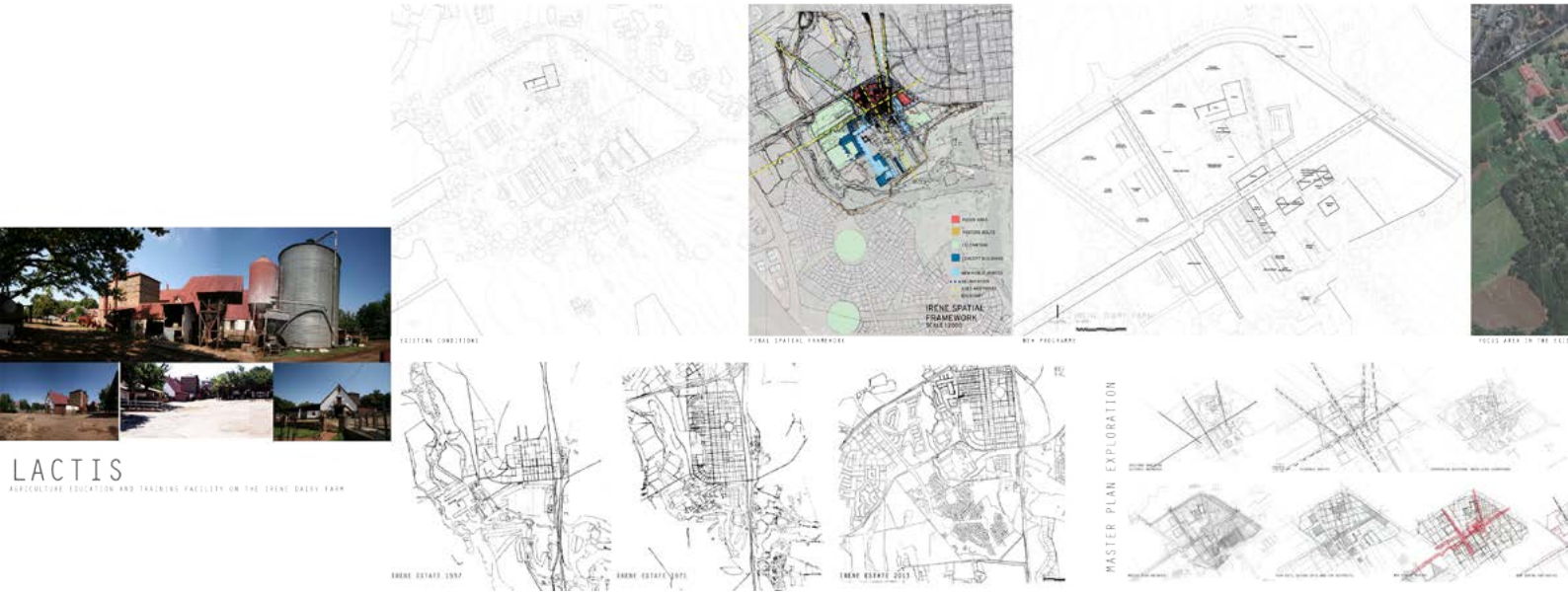
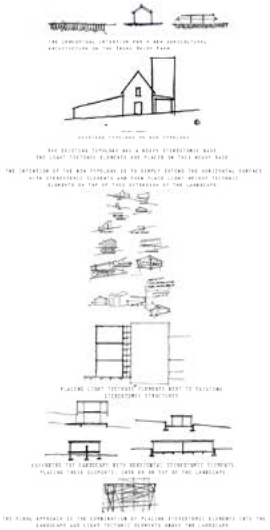
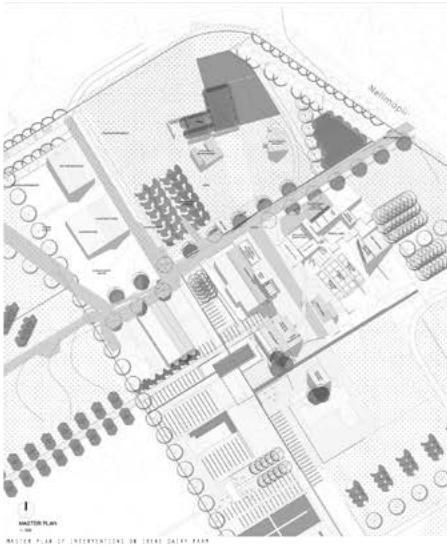
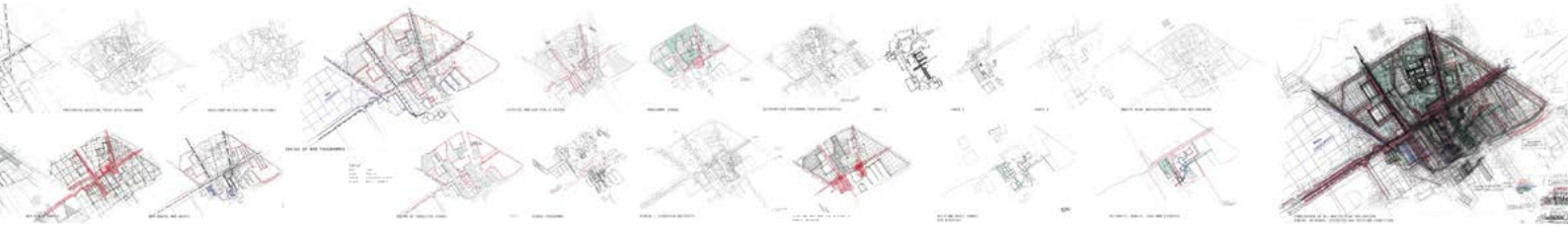


fig.8.1. INTRODUCTION TO IRENE DAIRY FARM







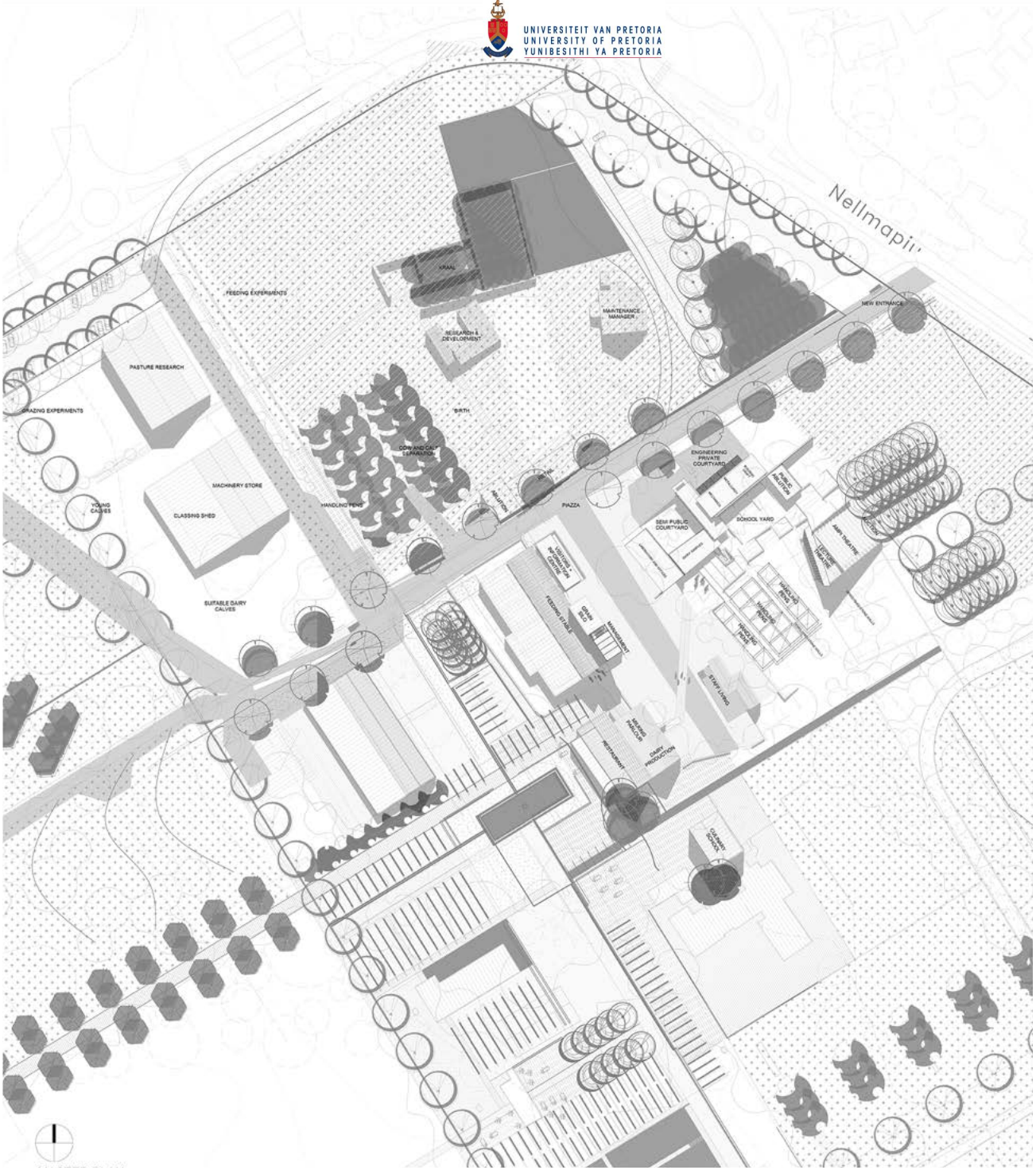


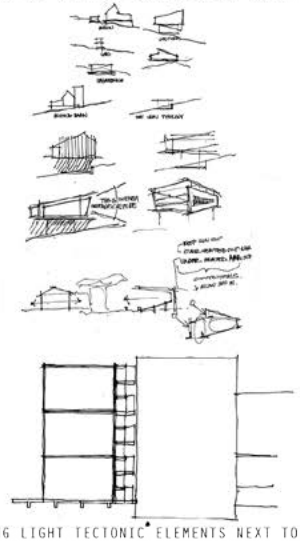
fig.8.2. MASTER PLAN OF INTERVENTIONS ON IRENE DAIRY FARM

THE CONCEPTUAL INTENTION FOR A NEW AGRICULTURAL ARCHITECTURE ON THE IRENE DAIRY FARM.

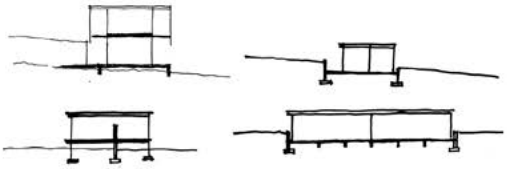
EXISTING TYPOLOGY VS NEW TYPOLOGY

THE EXISTING TYPOLOGY HAS A HEAVY STEREOTOMIC BASE.
THE LIGHT TECTONIC ELEMENTS ARE PLACED ON THIS HEAVY BASE.

THE INTENTION OF THE NEW TYPOLOGY IS TO SIMPLY EXTEND THE HORIZONTAL SURFACE WITH STEREOTOMIC ELEMENTS AND THEN PLACE LIGHT-WEIGHT TECTONIC ELEMENTS ON TOP OF THIS EXTENSION OF THE LANDSCAPE.



PLACING LIGHT TECTONIC ELEMENTS NEXT TO EXISTING STEREOTOMIC STRUCTURES



EXTENDING THE LANDSCAPE WITH HORIZONTAL STEREOTOMIC ELEMENTS.
PLACING THESE ELEMENTS: INTO OR ON TOP OF THE LANDSCAPE.

THE FINAL APPROACH IS THE COMBINATION OF PLACING STEREOTOMIC ELEMENTS INTO THE LANDSCAPE AND LIGHT TECTONIC ELEMENTS ABOVE THE LANDSCAPE.

fig.8.3. DESIGN APPROACH

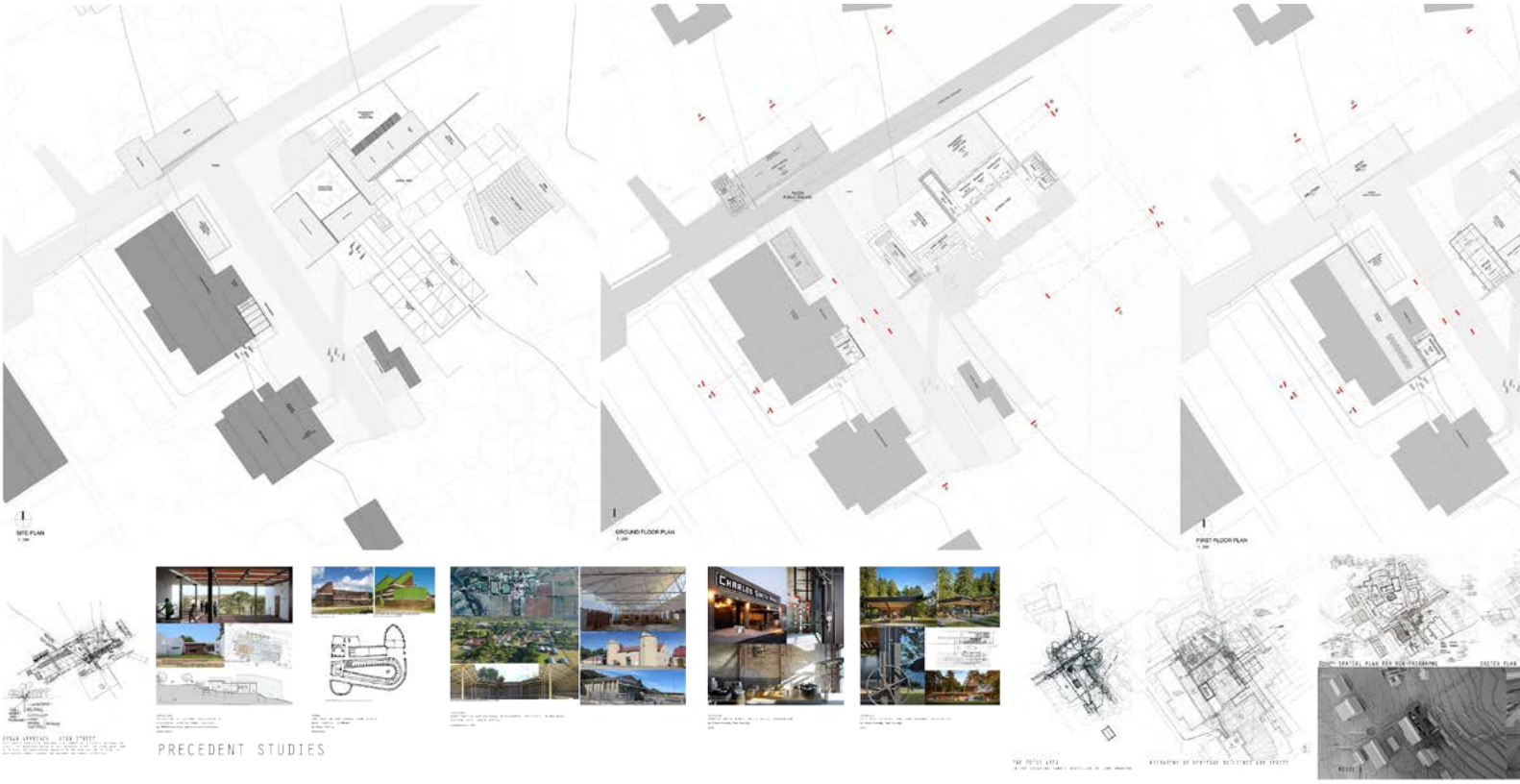


fig.8.4. PLANS AND DESIGN DEVELOPMENT OF THE AGRICULTURE EDUCATION AND TRAINING FACILITY

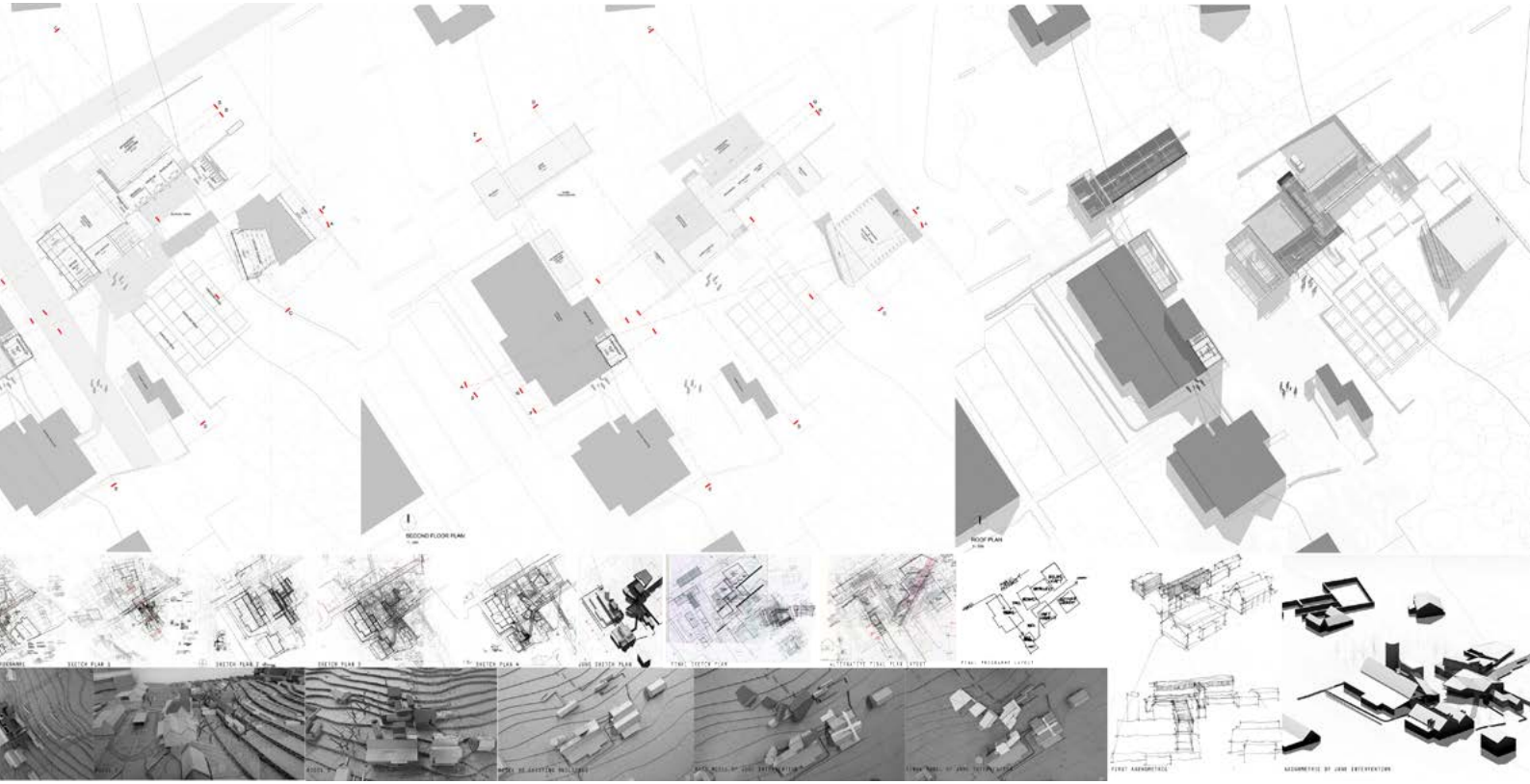


fig.8.5. SITE PLAN

fig.8.6. GROUND FLOOR PLAN

FIRST FLOOR PLAN

fig.8.7. FIRST FLOOR PLAN

fig.8.8. SECOND FLOOR PLAN

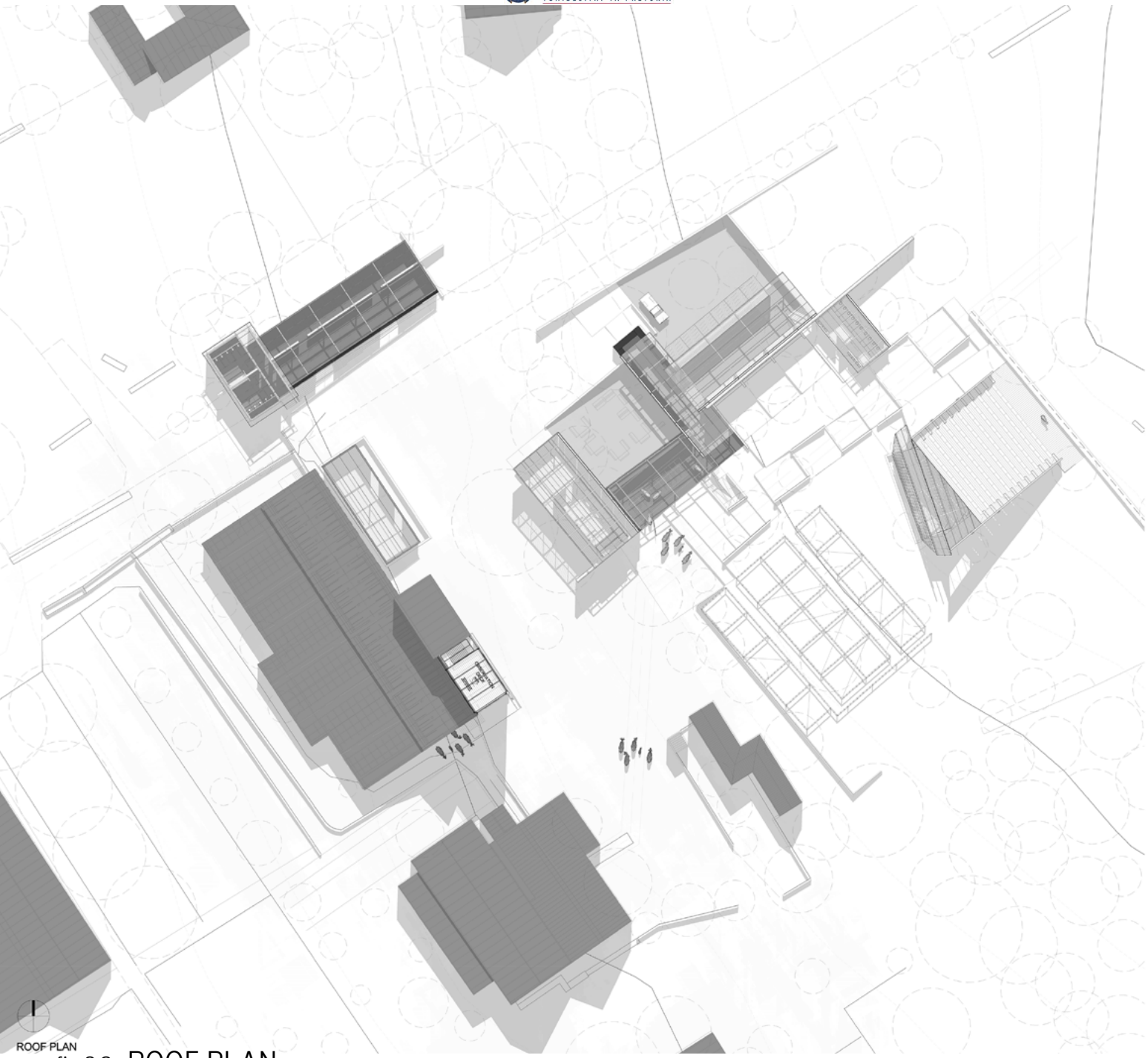


fig.8.9. ROOF PLAN

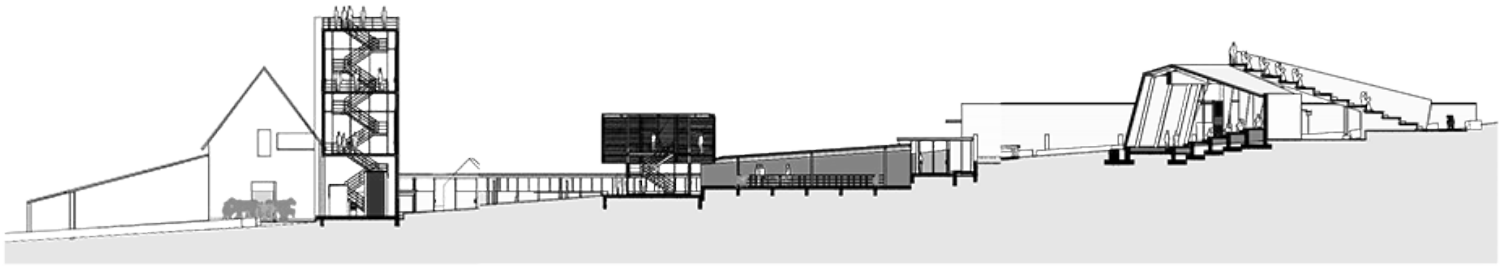


fig.8.10. FINAL SECTIONS

fig.8.11. SECTION A & B

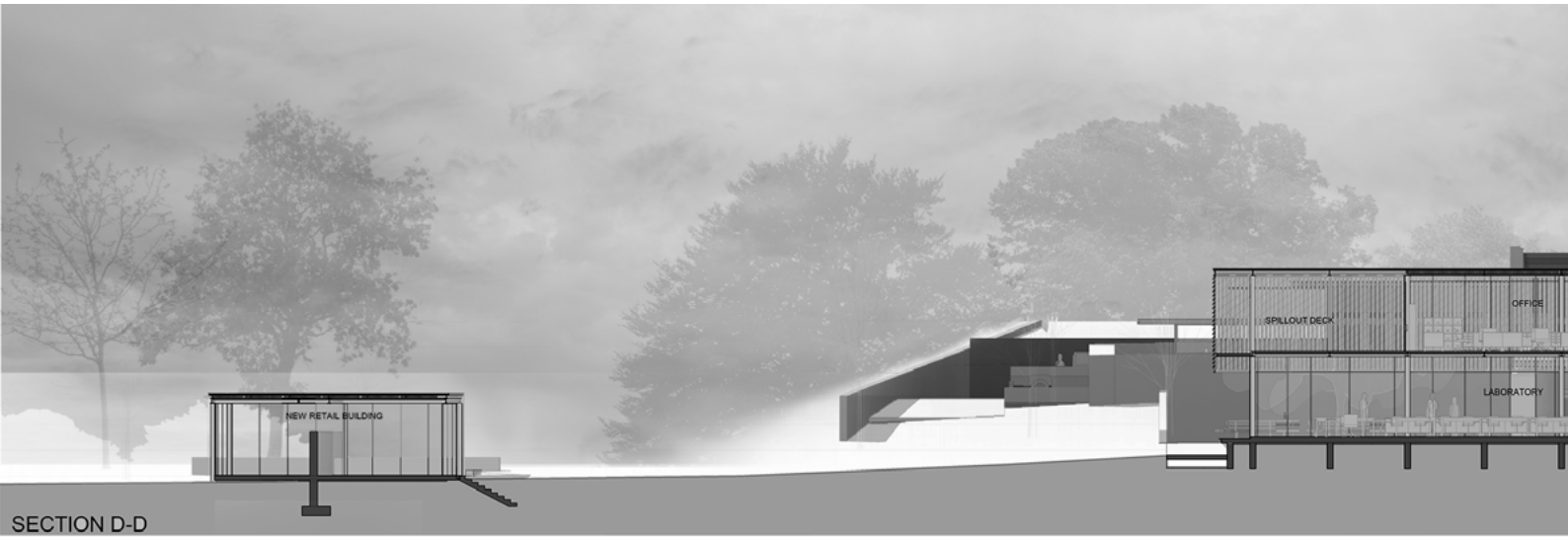
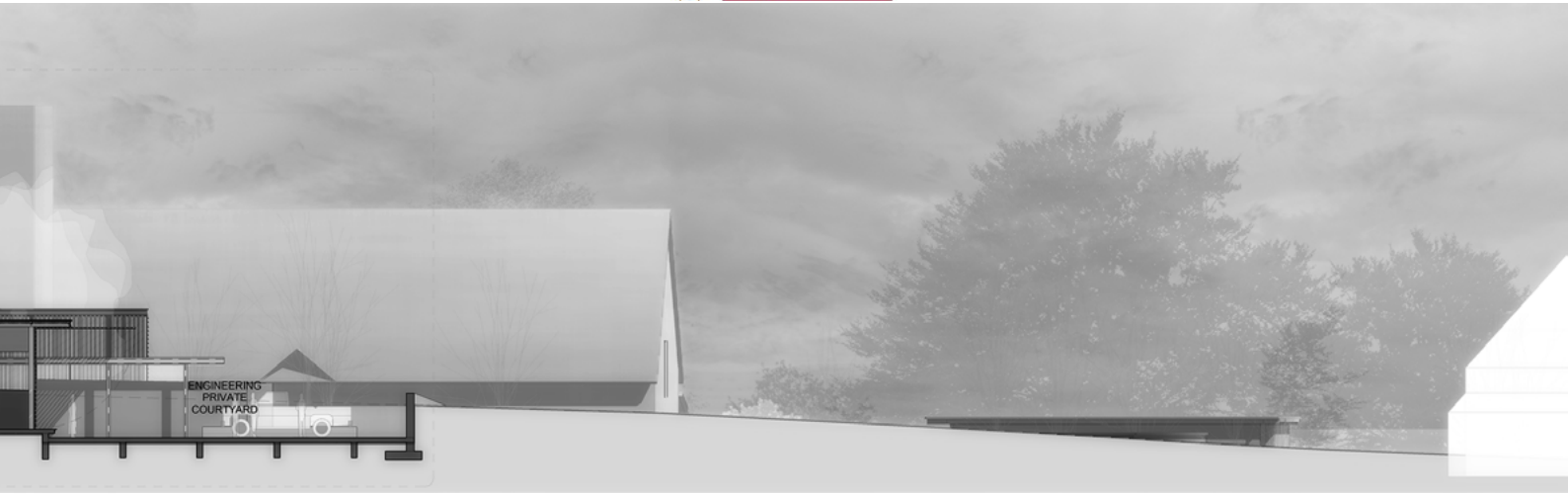


fig.8.12. SECTION C & D



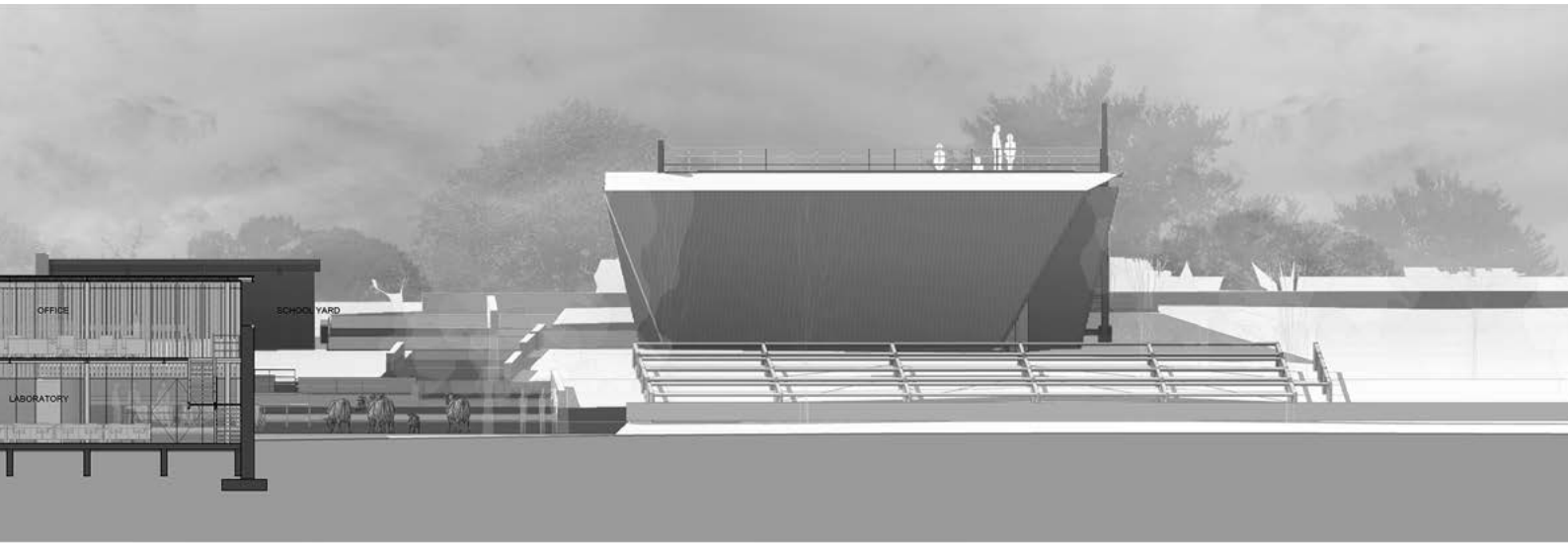


fig.8.13. SECTION E

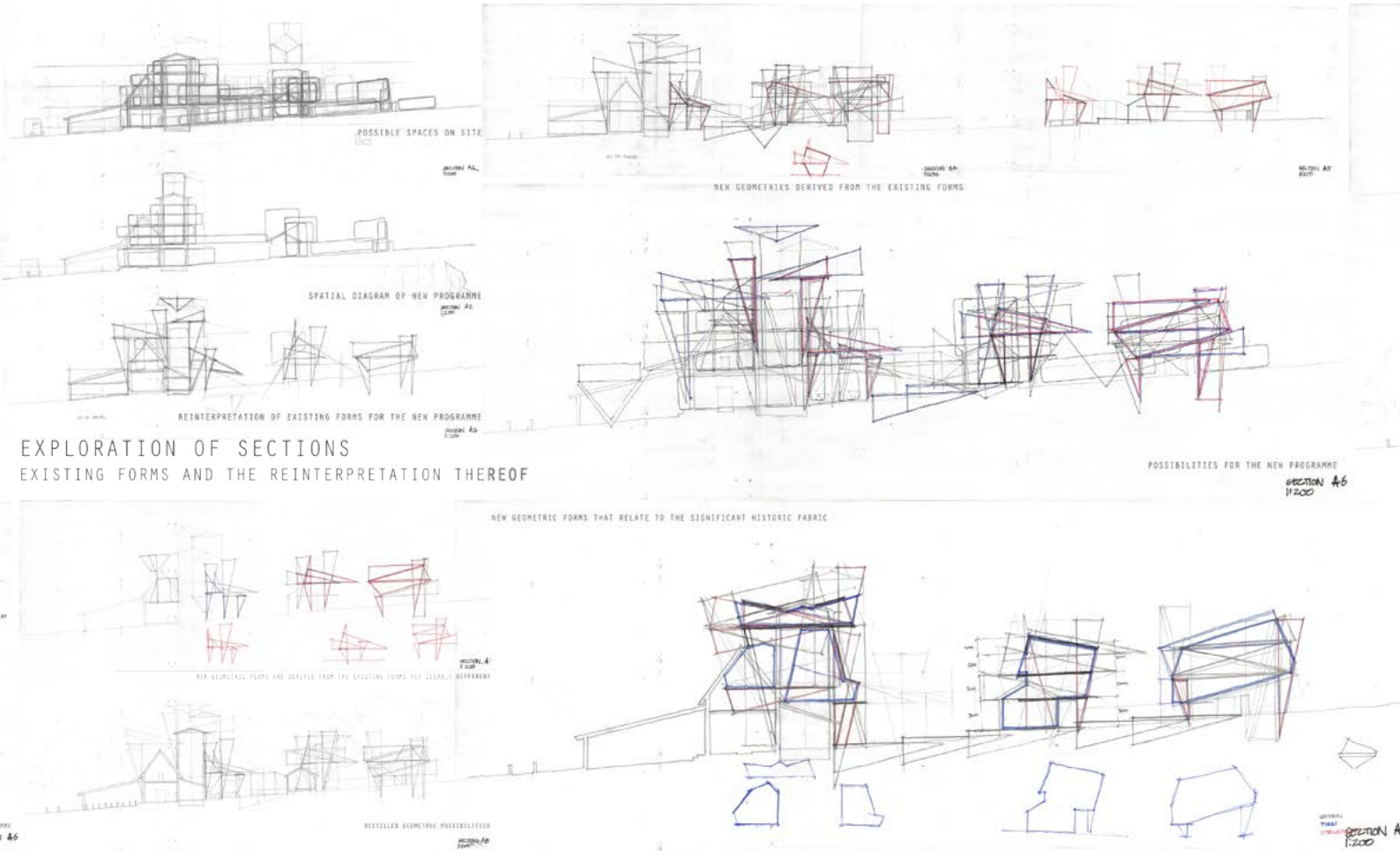
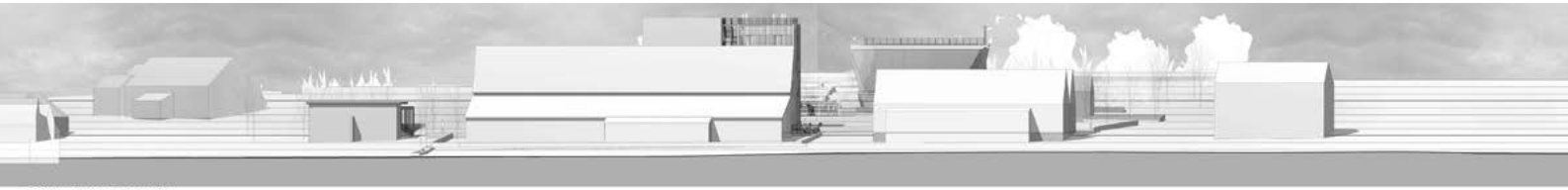


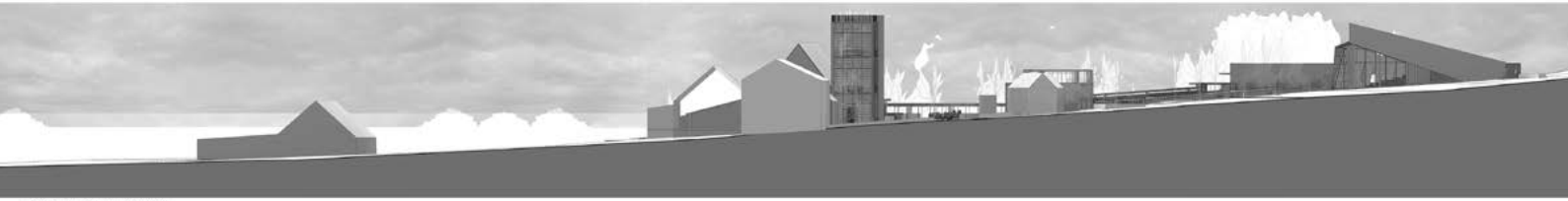
fig.8.14. SECTION DEVELOPMENT

NORTH EAST ELEVATION
1 : 200

NORTH WEST ELEVATION
1 : 200



SOUTH WEST ELEVATION
1 : 200



SOUTH EAST ELEVATION
1 : 200

fig.8.15. ELEVATIONS

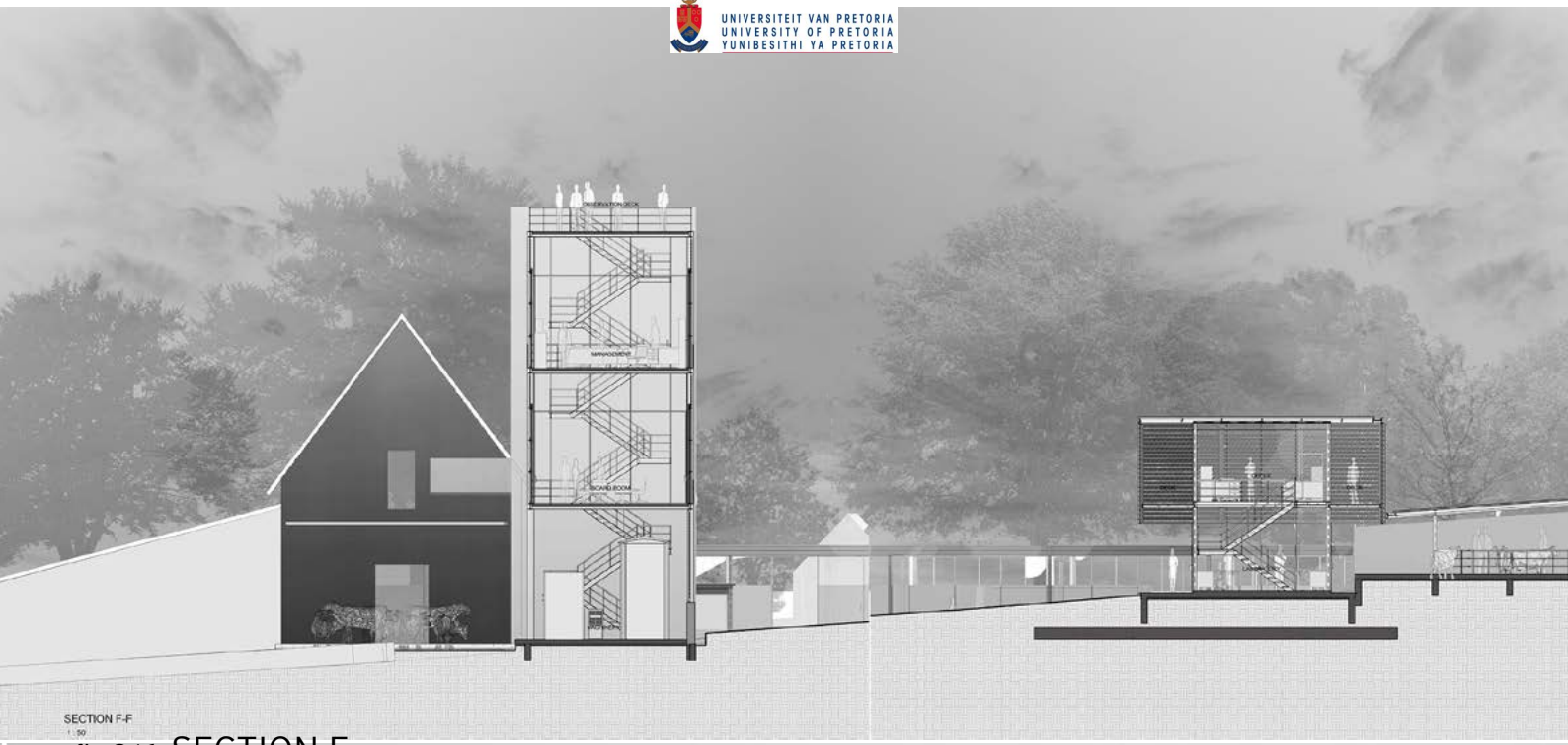


fig.8.16. SECTION F

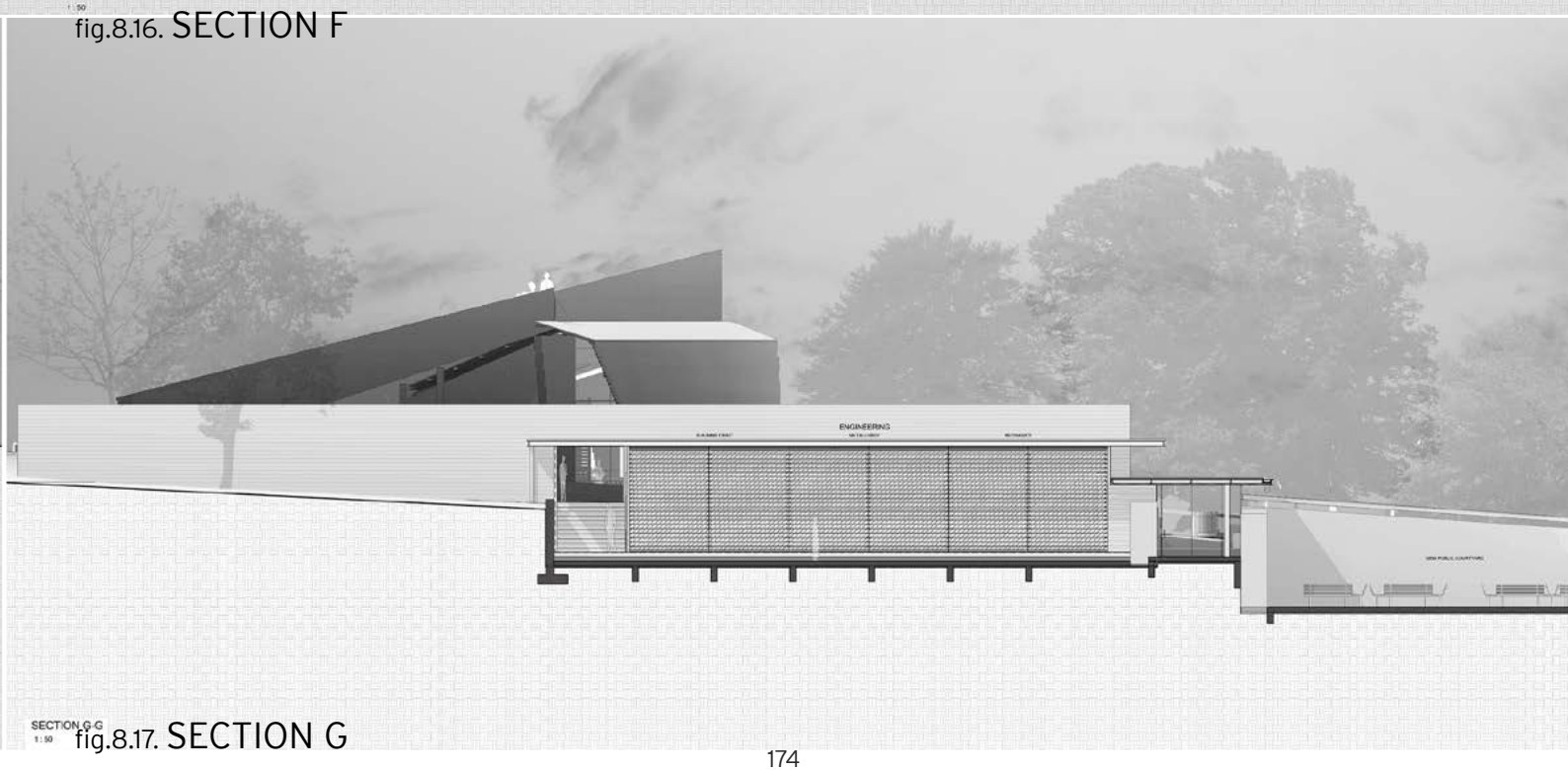
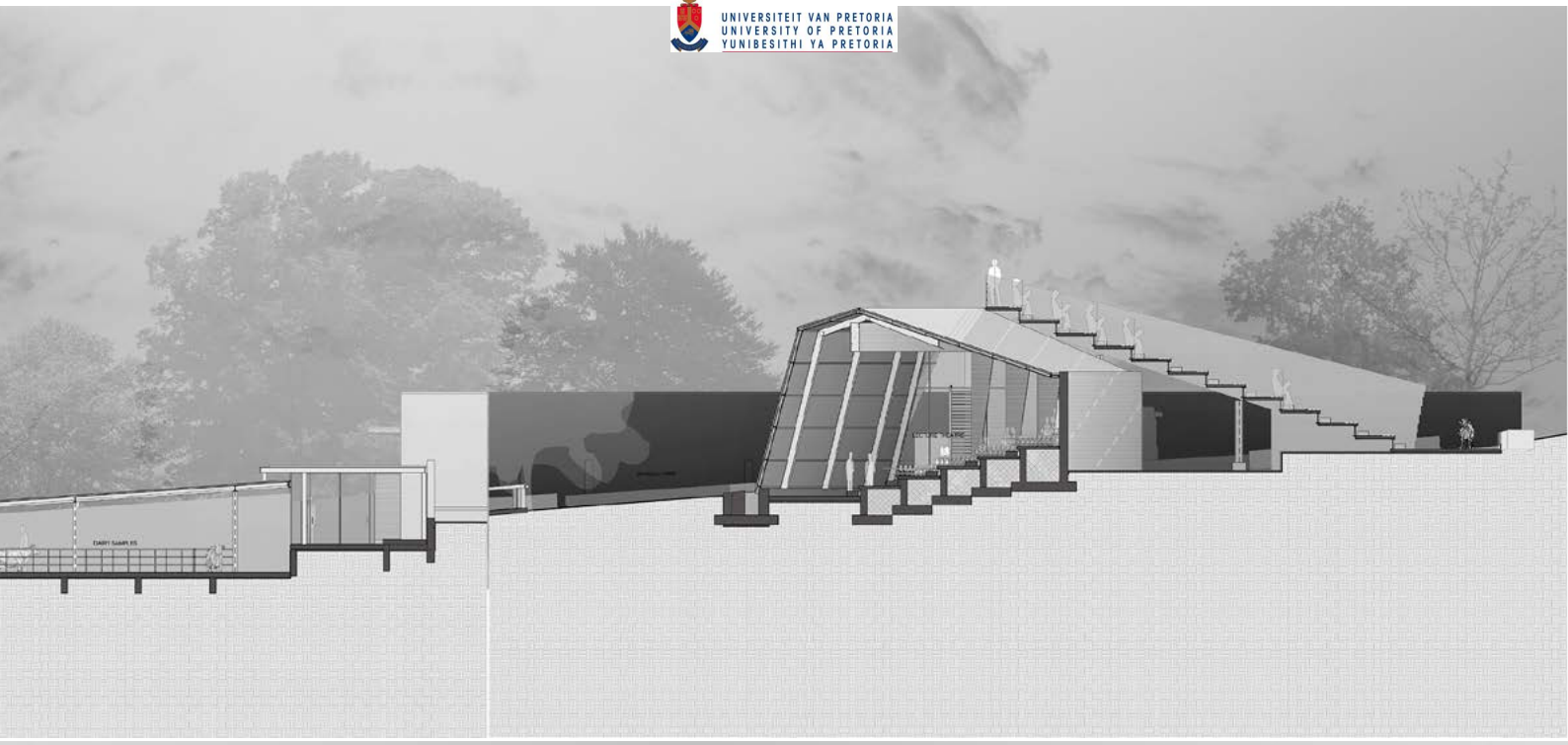


fig.8.17. SECTION G



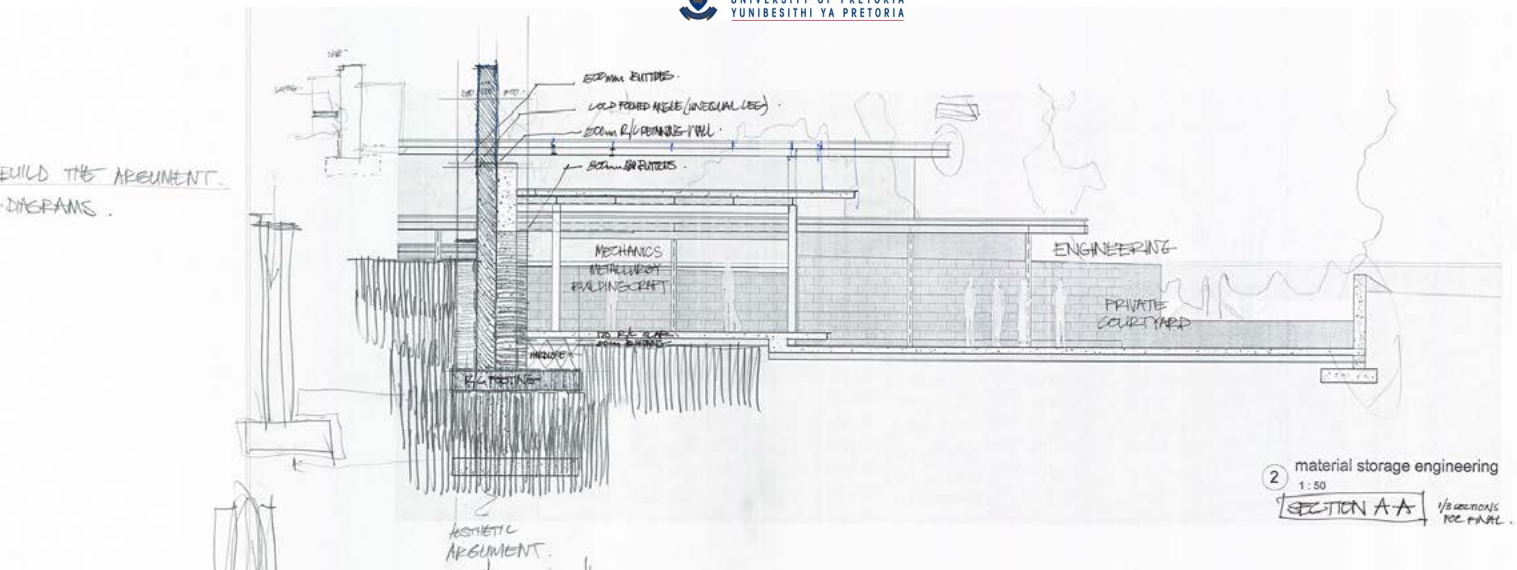


fig.8.18. ENGINEERING DEPARTMENT DEVELOPMENT

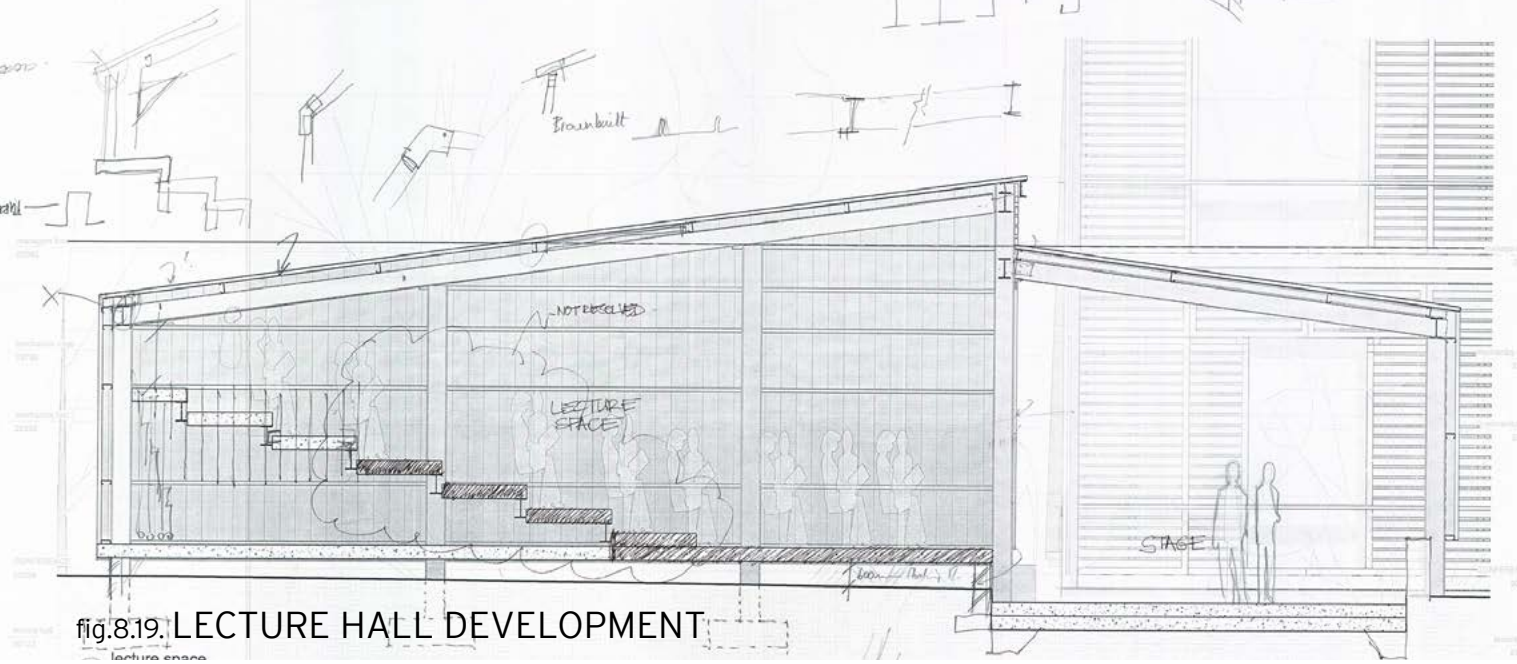


fig.8.19. LECTURE HALL DEVELOPMENT

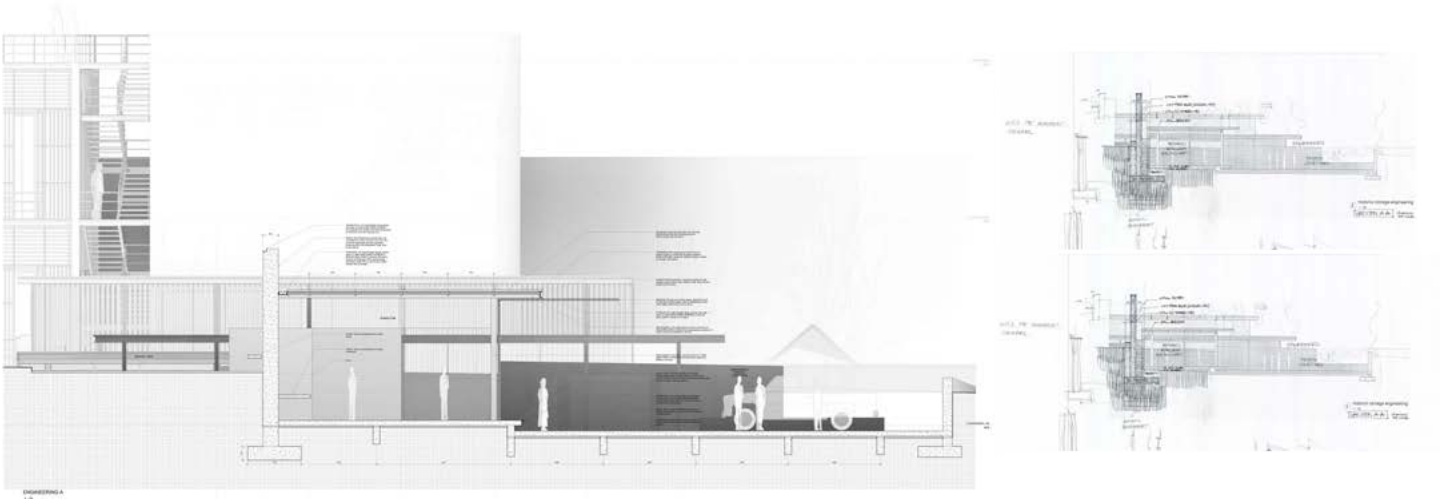


fig.8.20. ENGINEERING DEPARTMENT PROGRESS

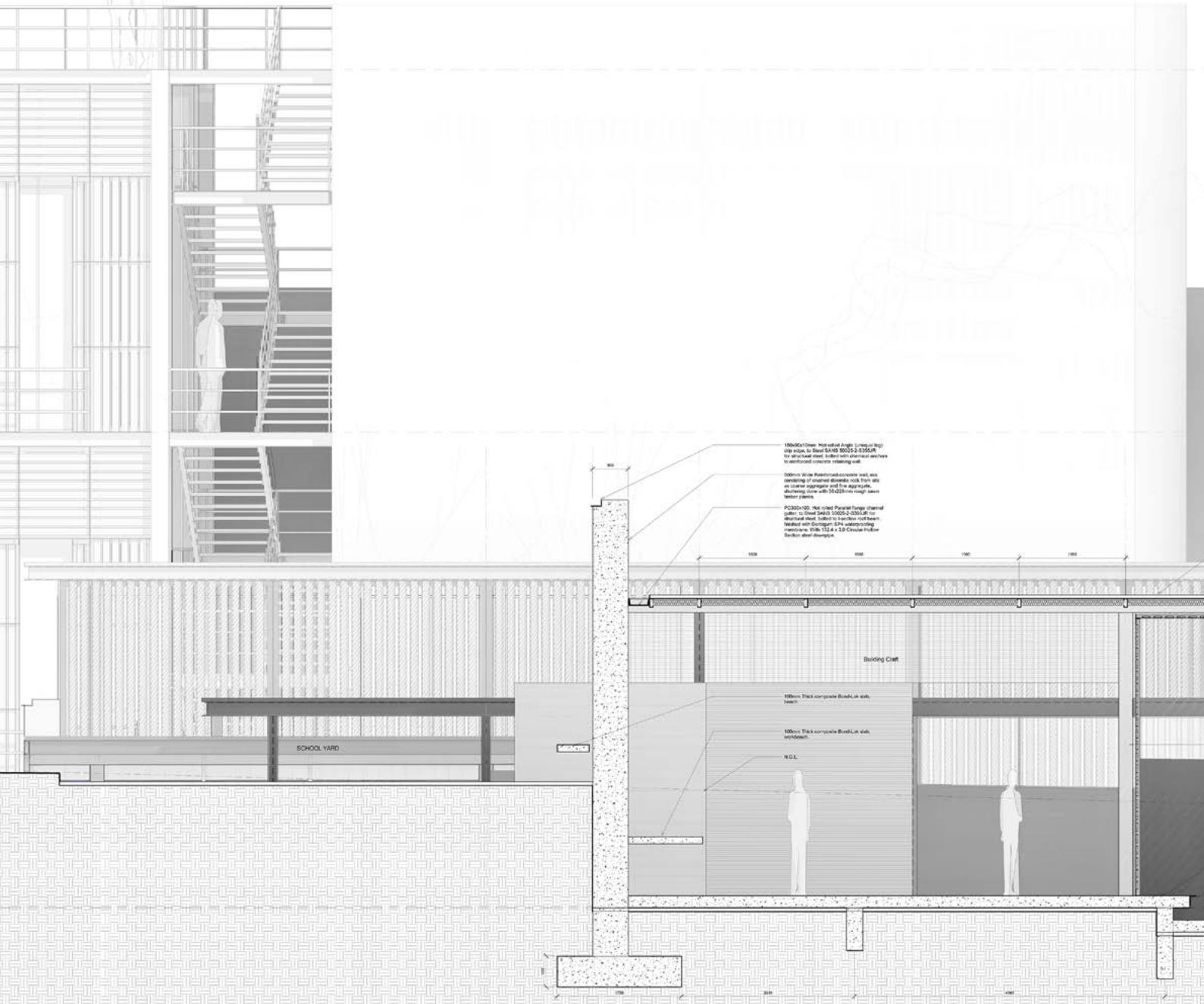
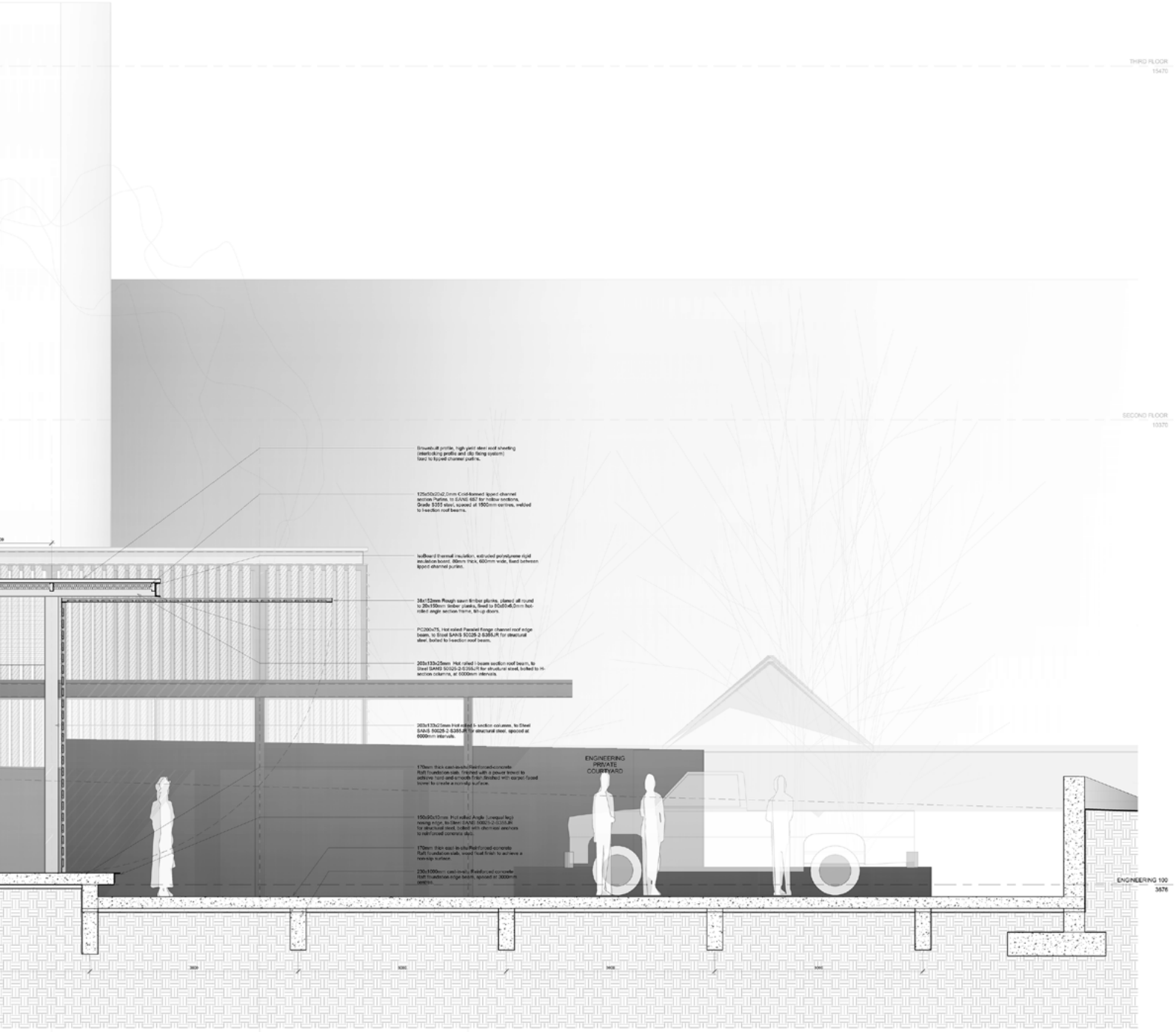
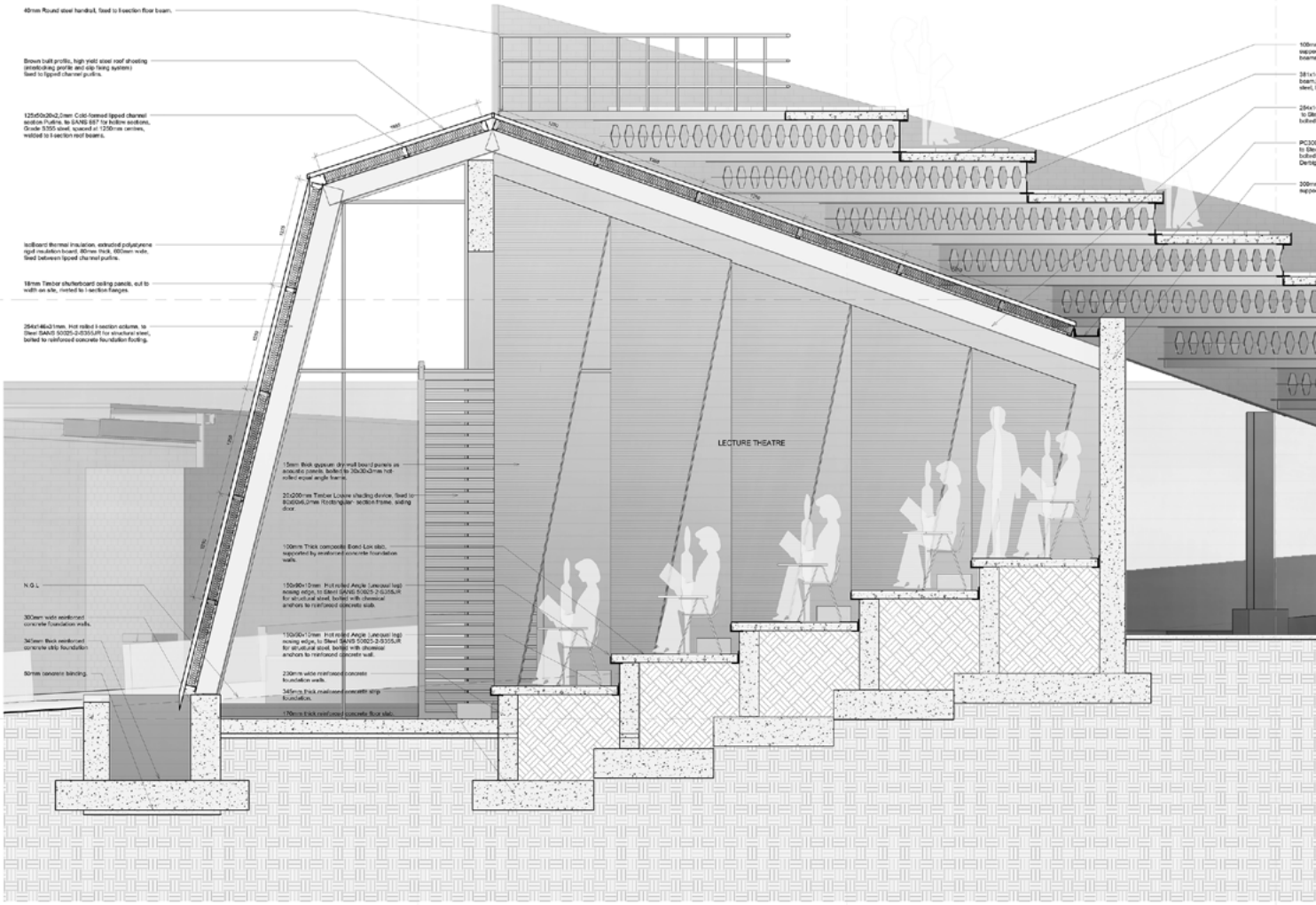


fig.8.21. ENGINEERING _SECTION A

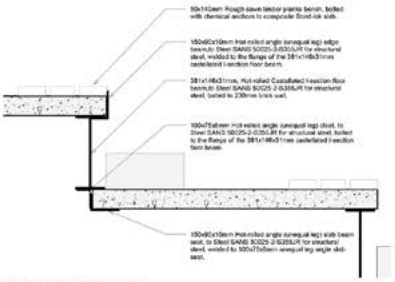
ENGINEERING A
1 : 20



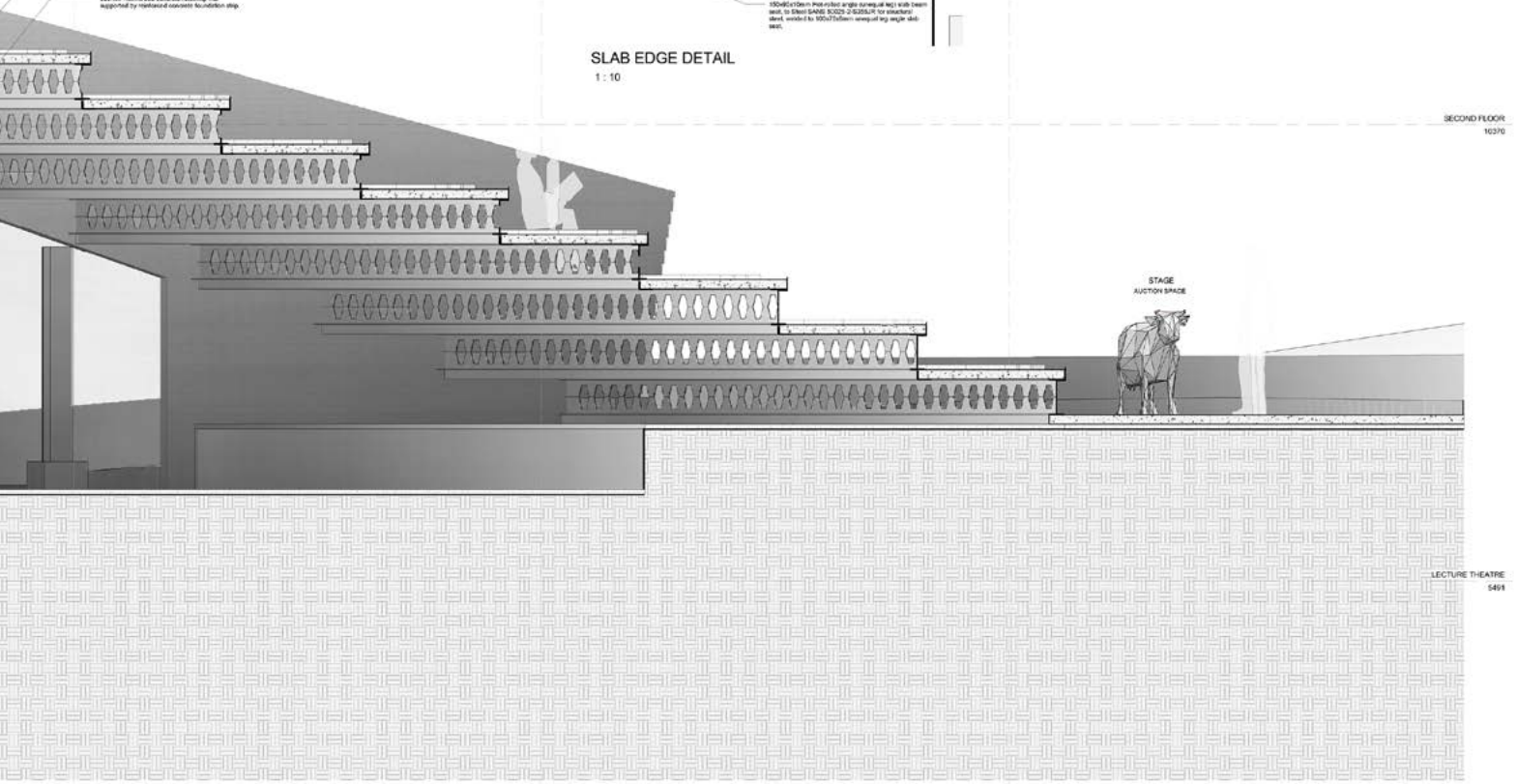


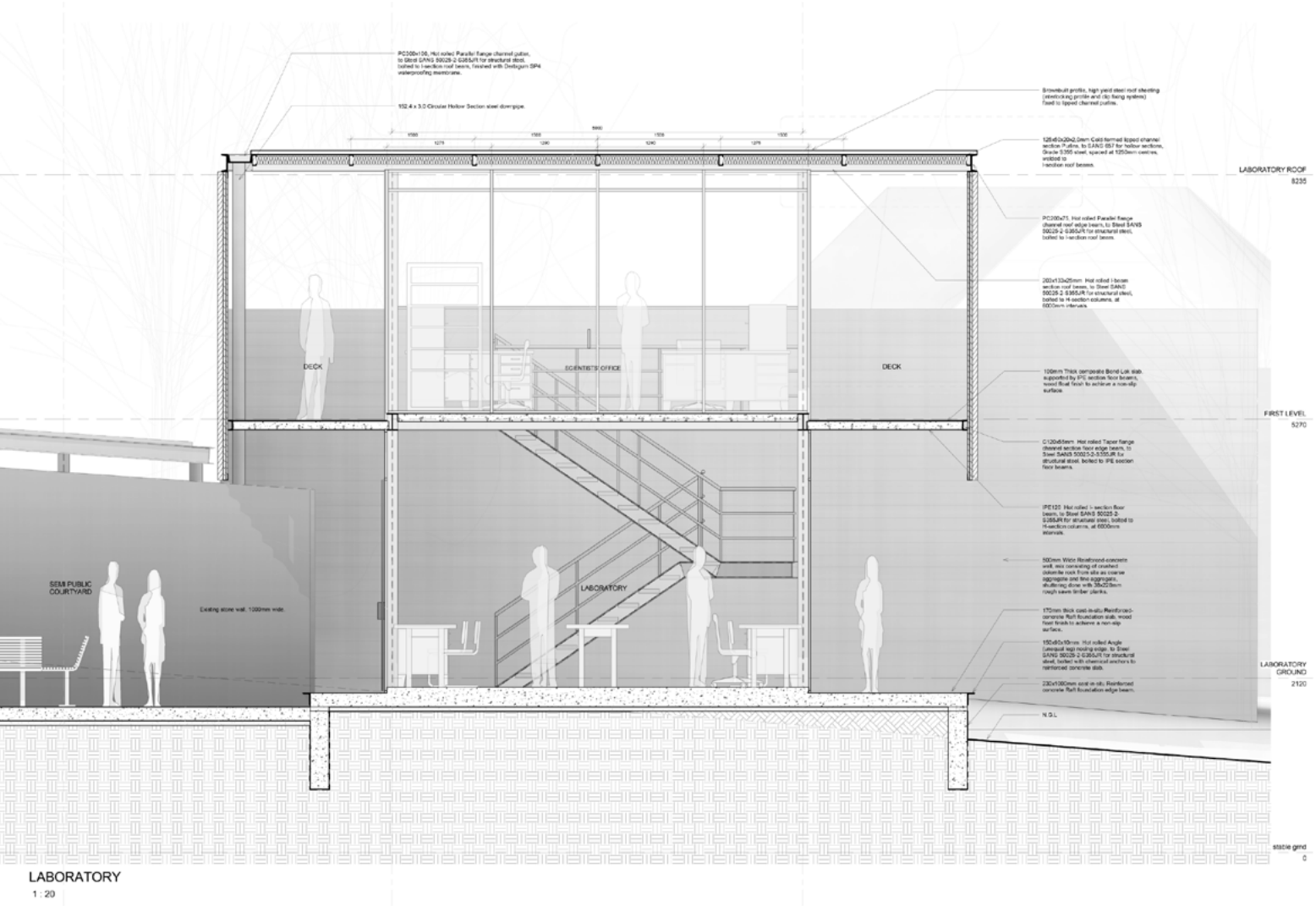
LECTURE THEATRE A
1 : 20

fig.8.22. LECTURE THEATRE _SECTION A



SLAB EDGE DETAIL
1 : 10





LABORATORY
1 : 20

fig.8.23. LABORATORY _SECTION

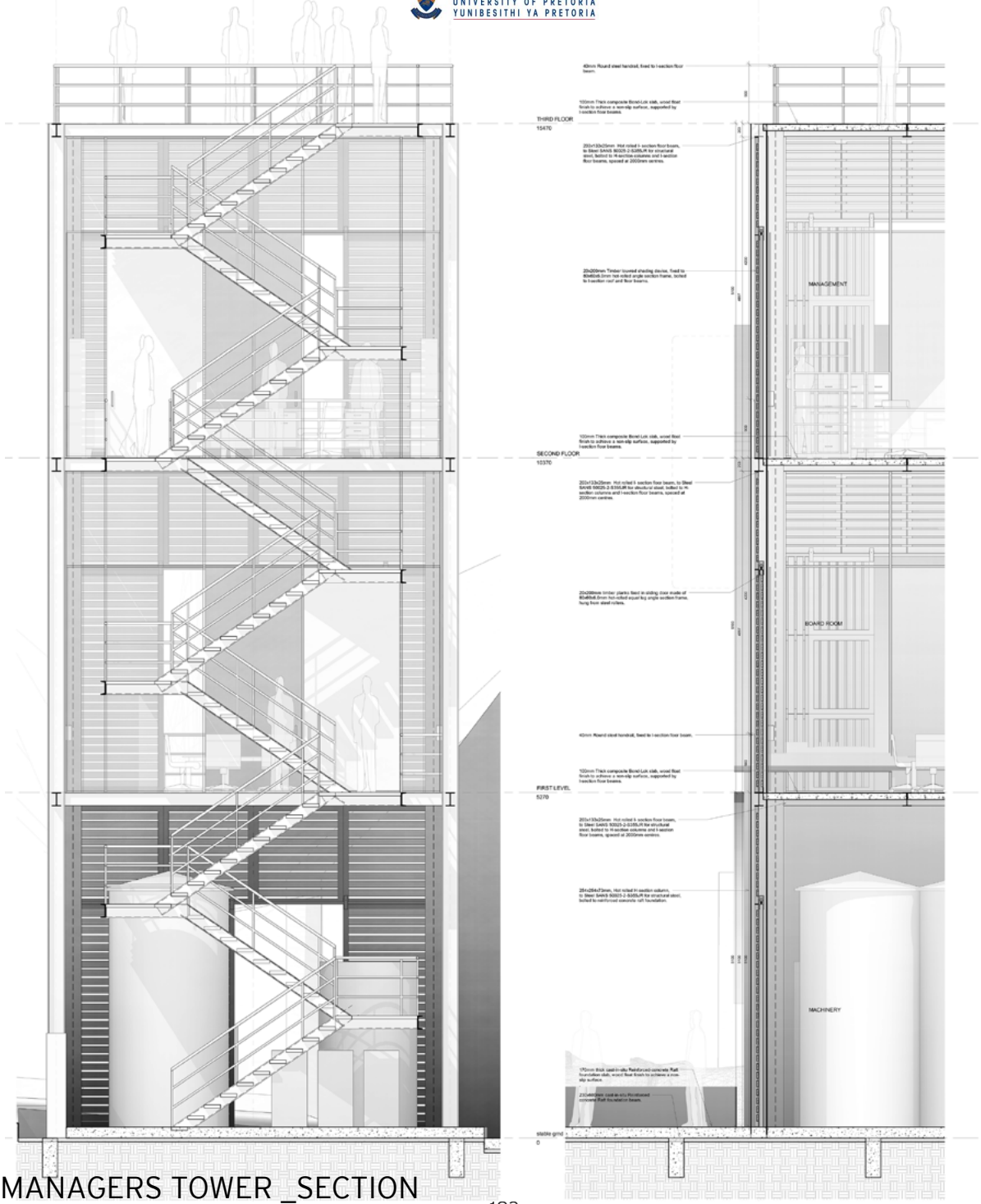


fig.8.24. MANAGERS TOWER _SECTION

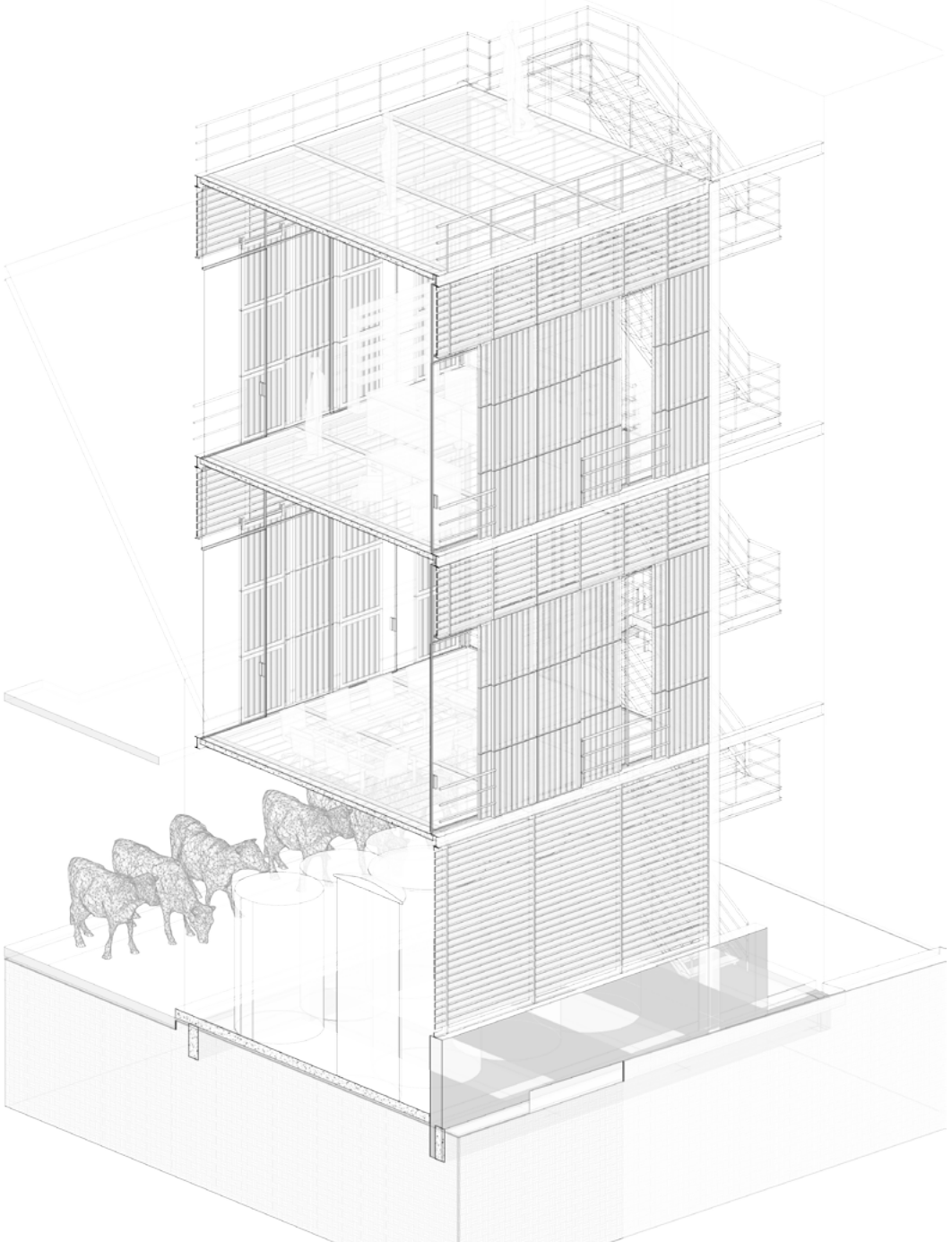


fig.8.25. MANAGERS TOWER AXONOMETRIC SECTION

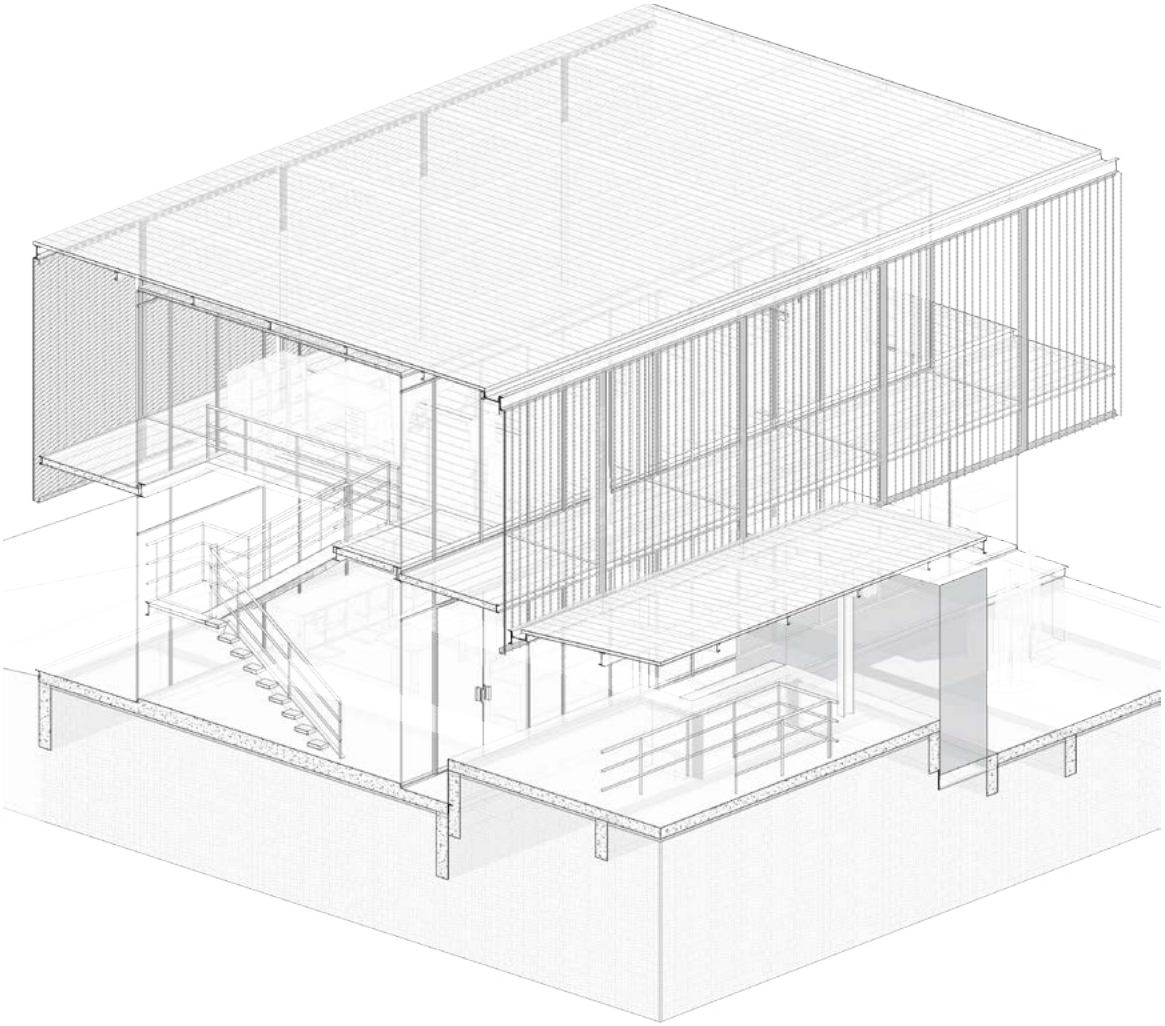


fig.8.26. LABORATORY AND OFFICE AXONOMETRIC SECTION

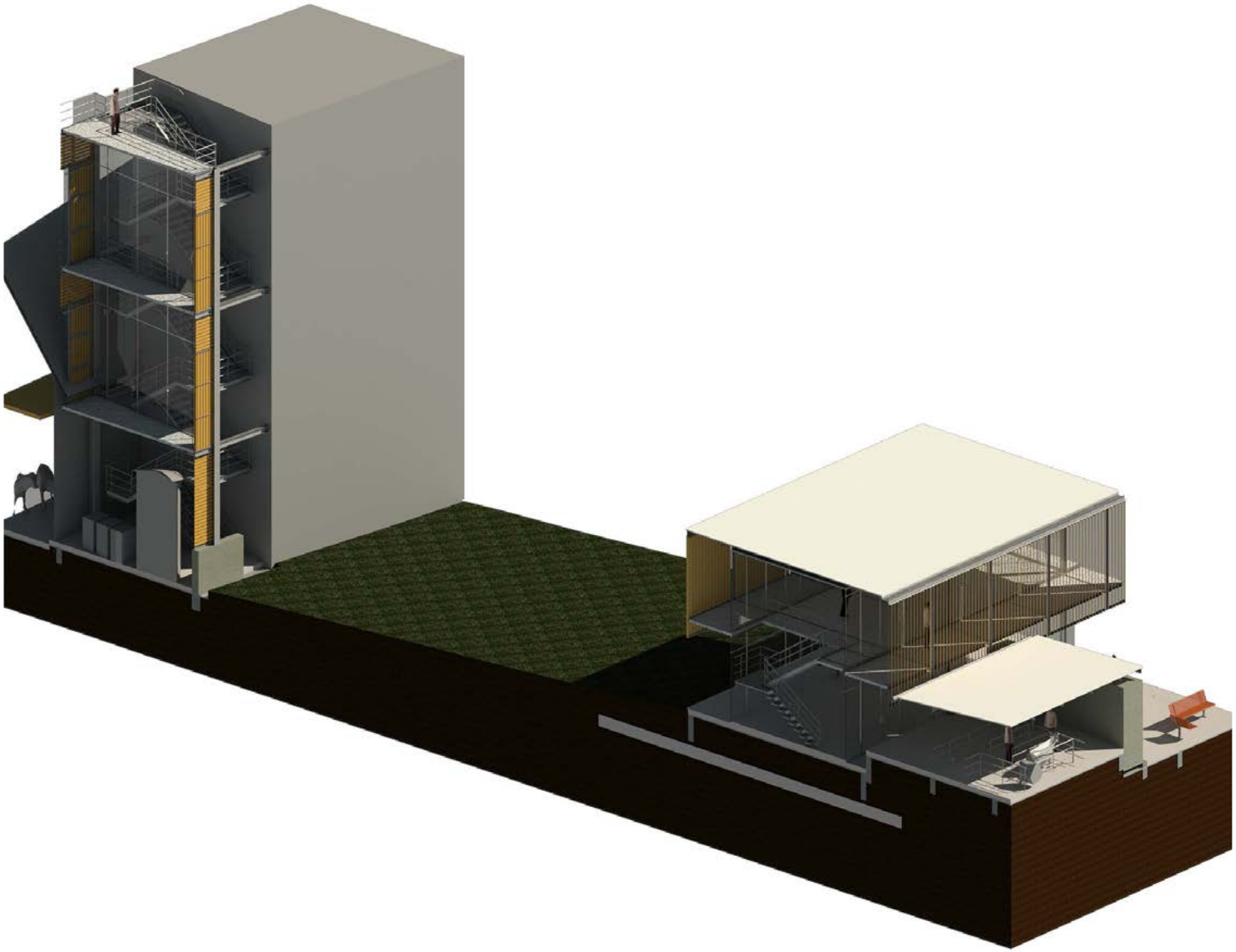
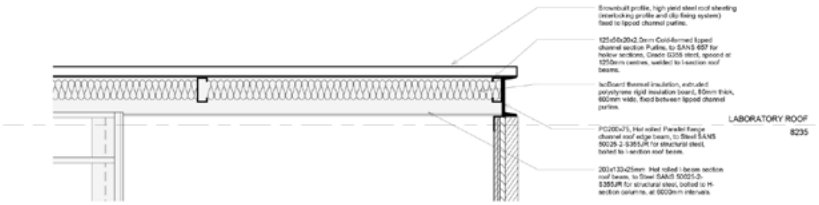
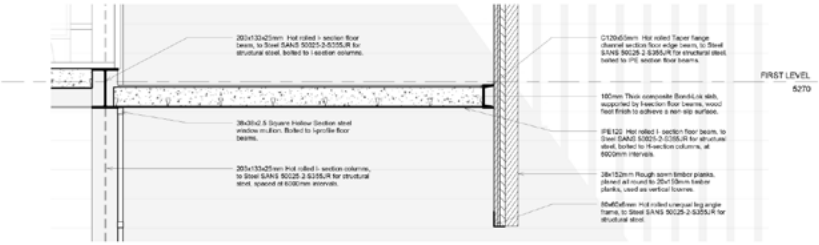


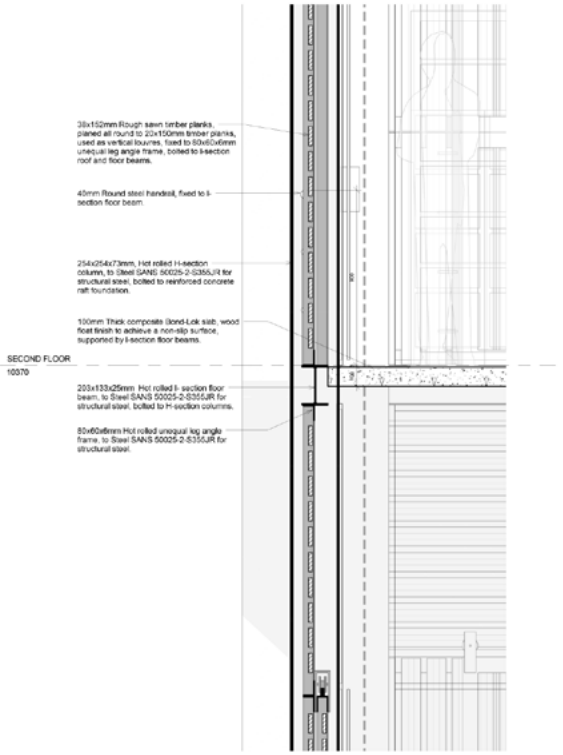
fig.8.27. AXONOMETRIC SECTION OF LABORATORY AND MANAGEMENT OFFICE



ROOF DETAIL
1 : 10



THRESHOLD DETAIL
1 : 10



HANDRAIL DETAIL
1 : 10

fig.8.28. DETAIL SECTIONS

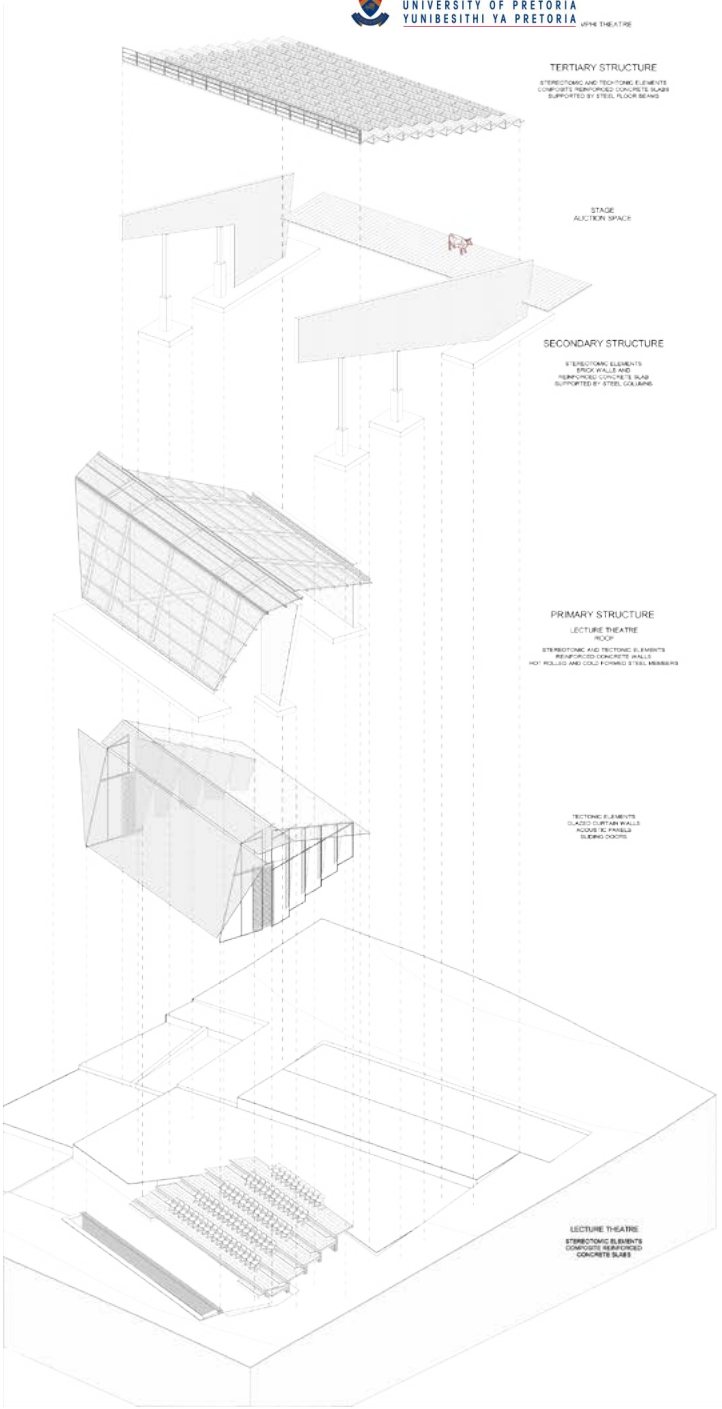
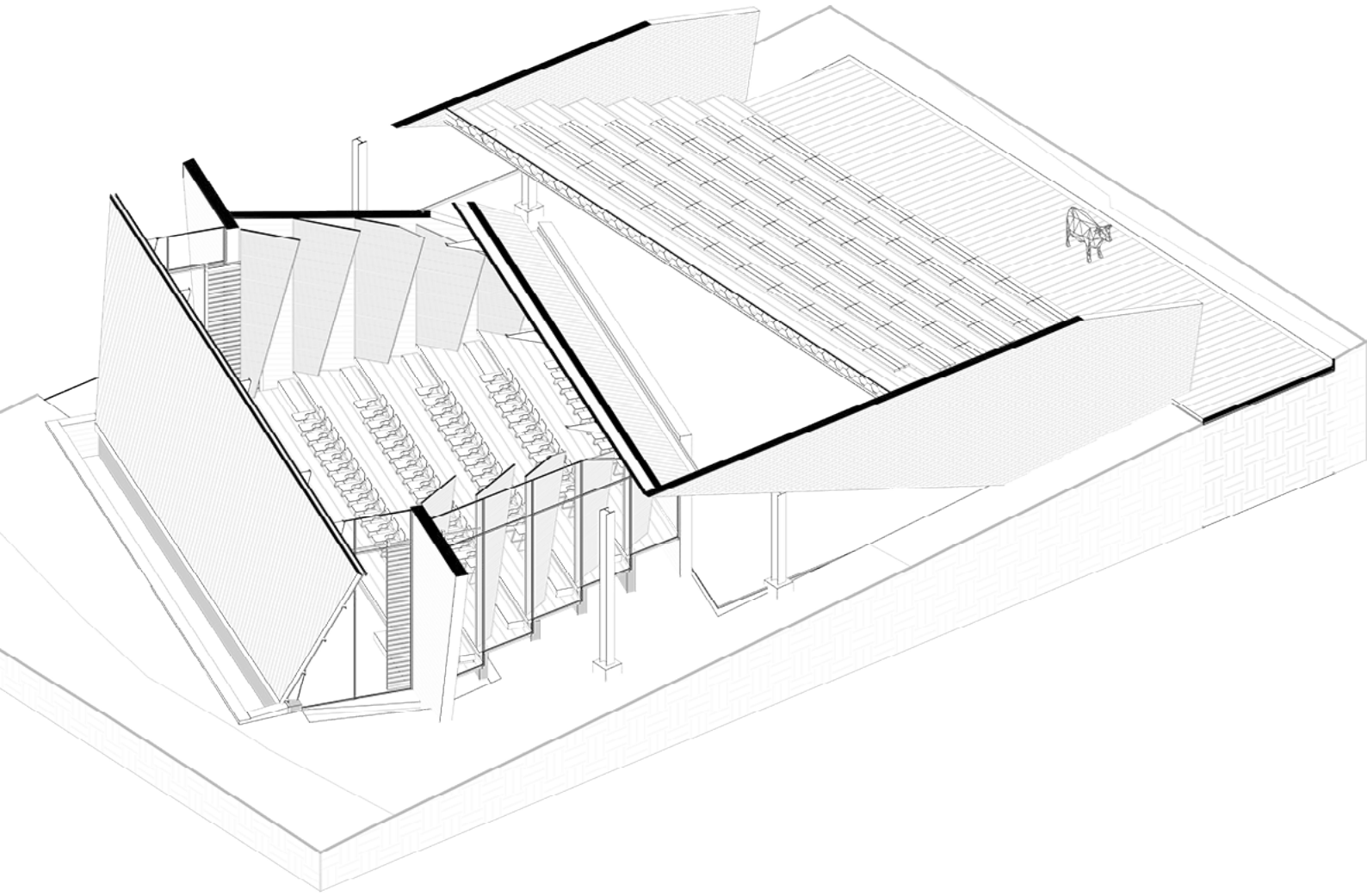


fig.8.29. LECTURE THEATRE STRUCTURE



ISOMETRIC PLAN
LECTURE THEATRE - THEORETICAL CLASSES
AMPHITHEATRE - AUCTIONS, FUNCTIONS

fig.8.30. LECTURE THEATRE ISOMETRIC PLAN

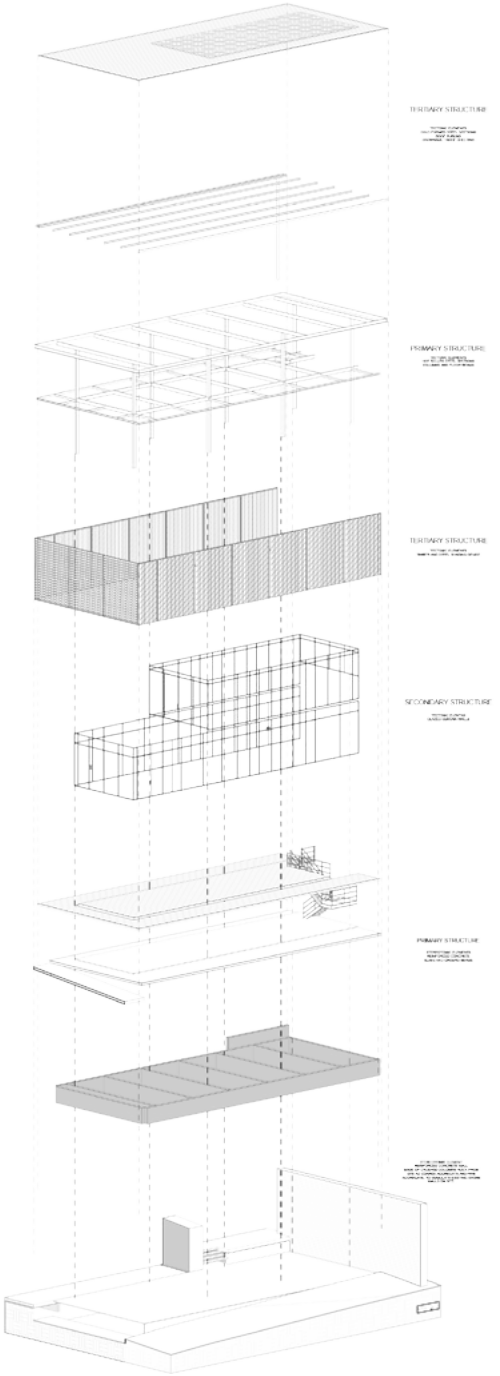


fig.8.31. LABORATORY STRUCTURE

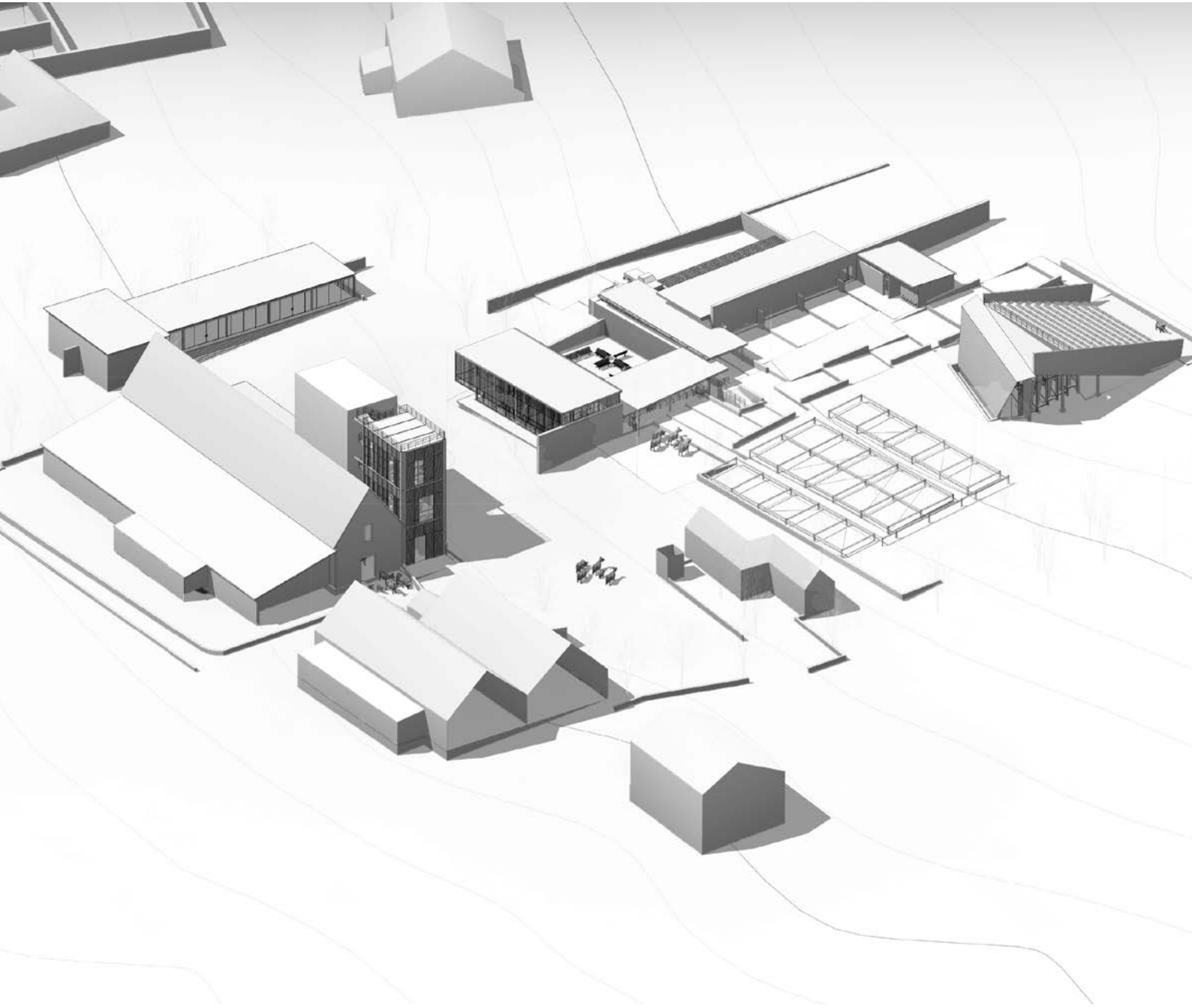


fig.8.32. FINAL AXONOMETRIC VIEW

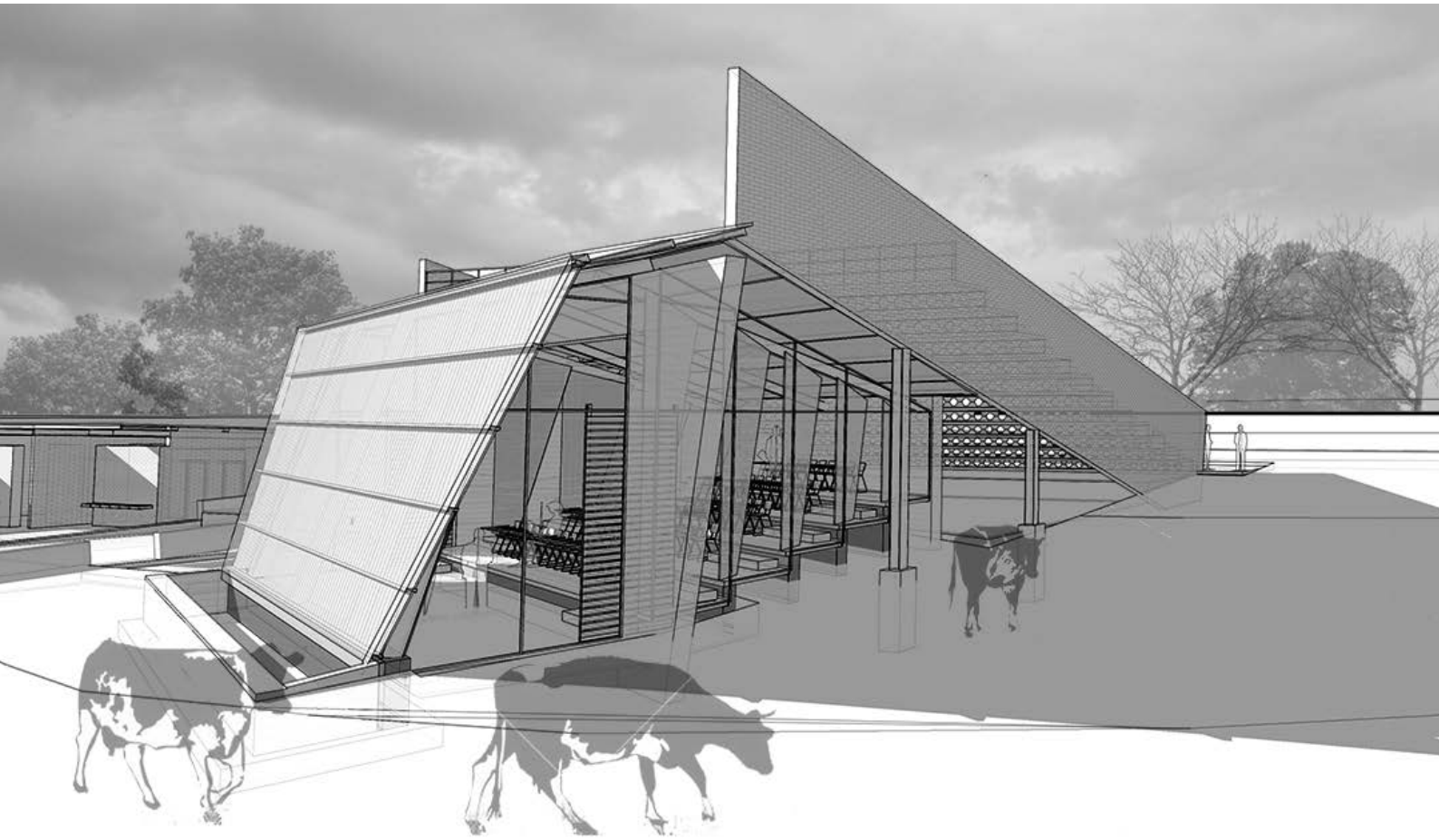


fig.8.33. LECTURE THEATRE PERSPECTIVE

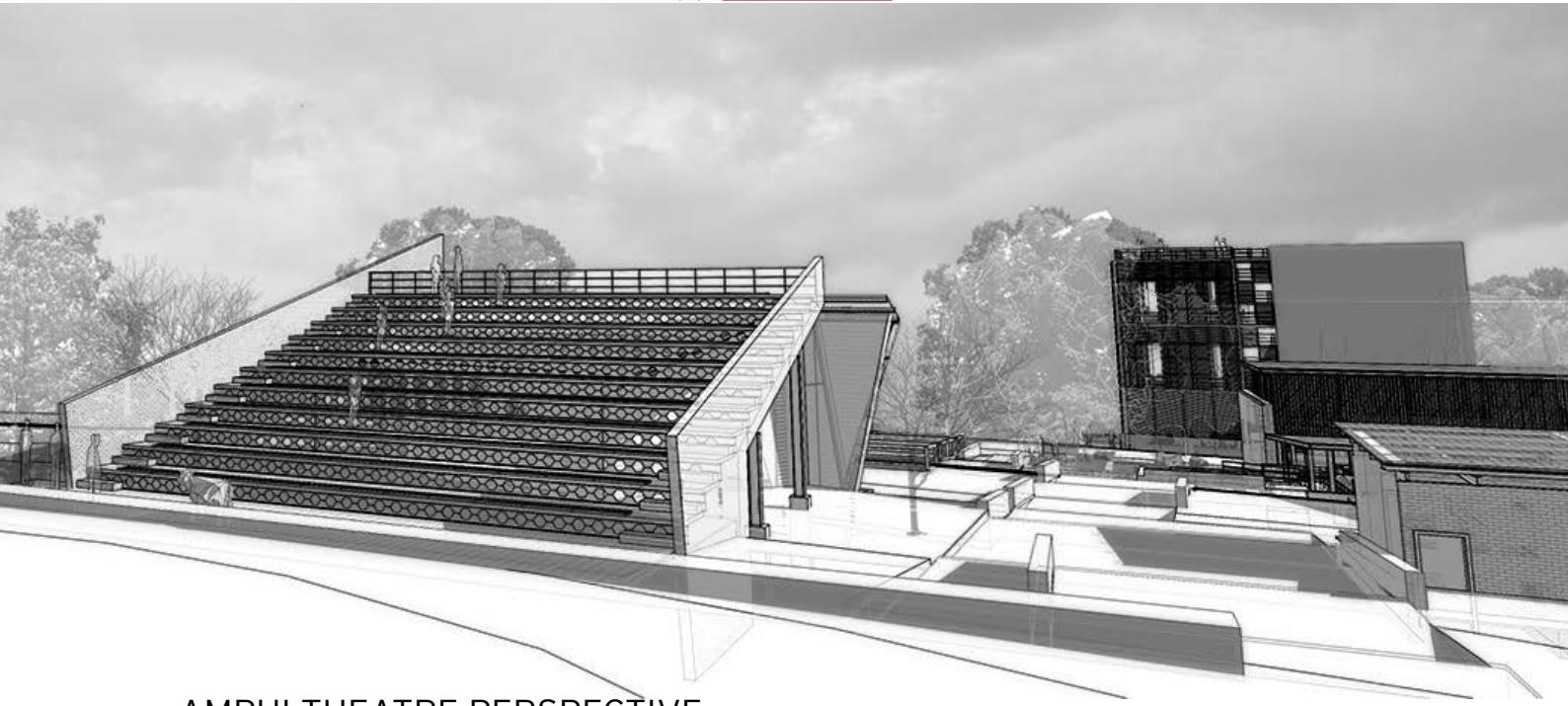
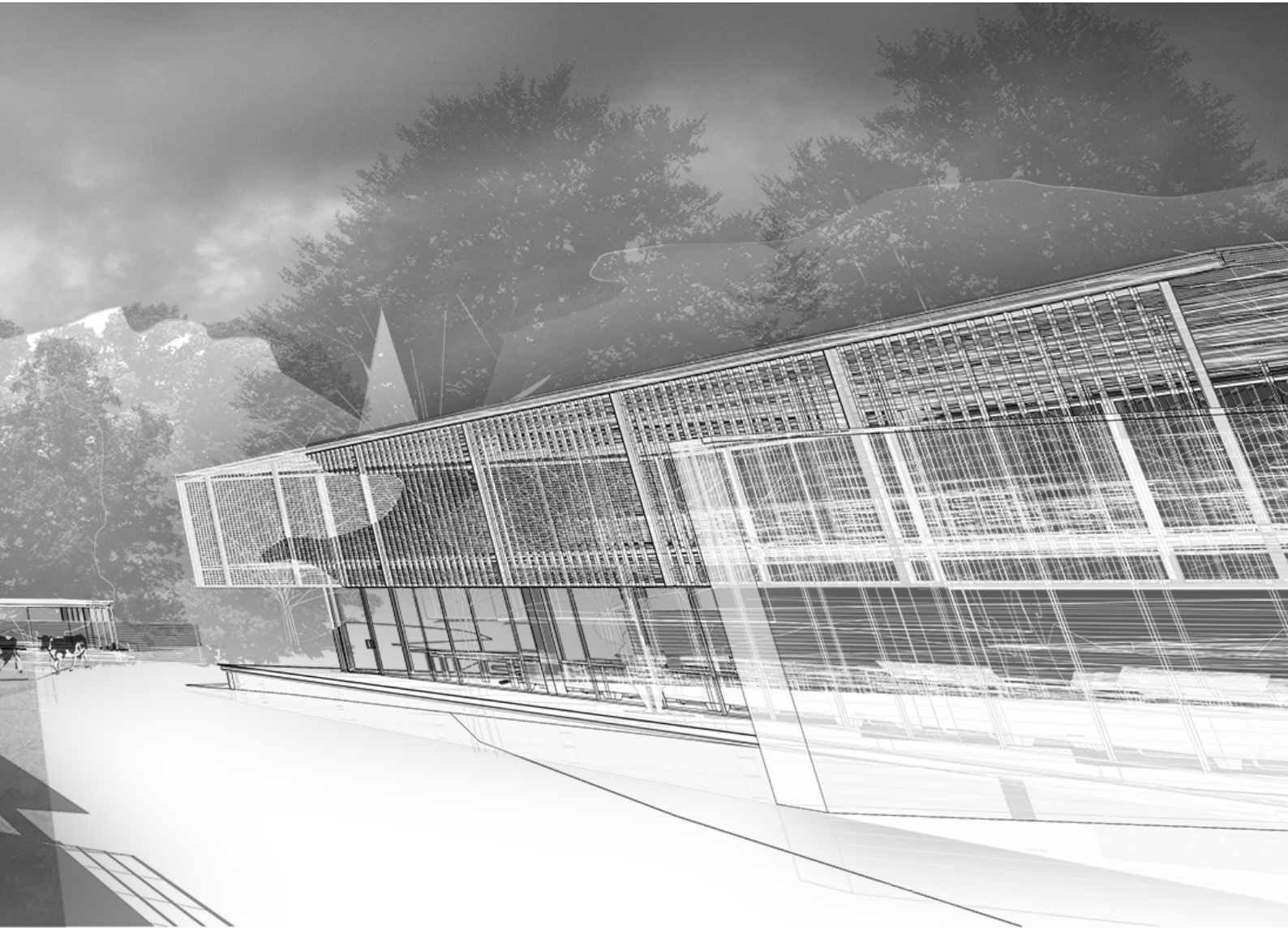


fig.8.34. AMPHI THEATRE PERSPECTIVE

fig.8.35. LECTURE THEATRE ENTRANCE

fig.8.36. MANAGERS OFFICE



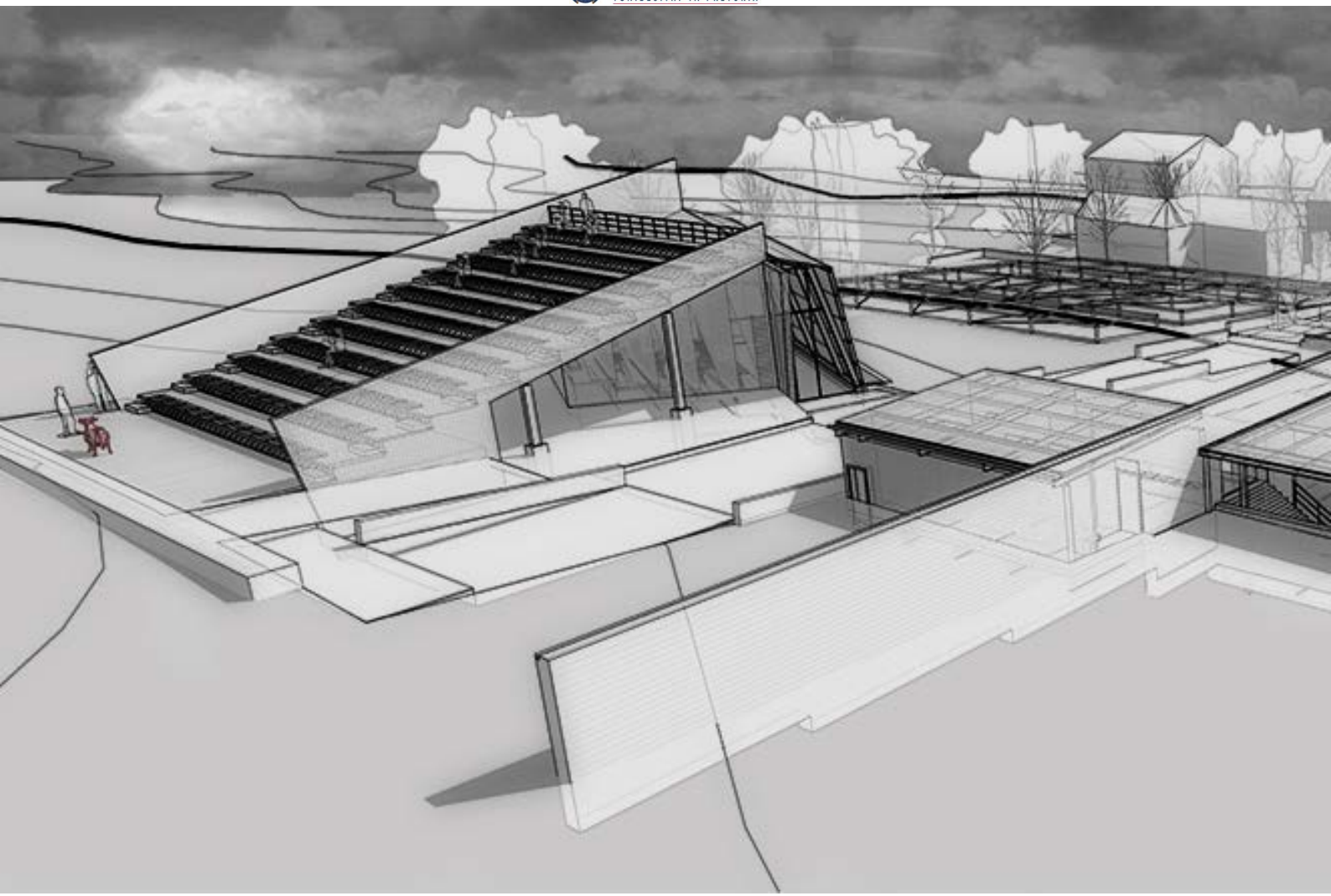
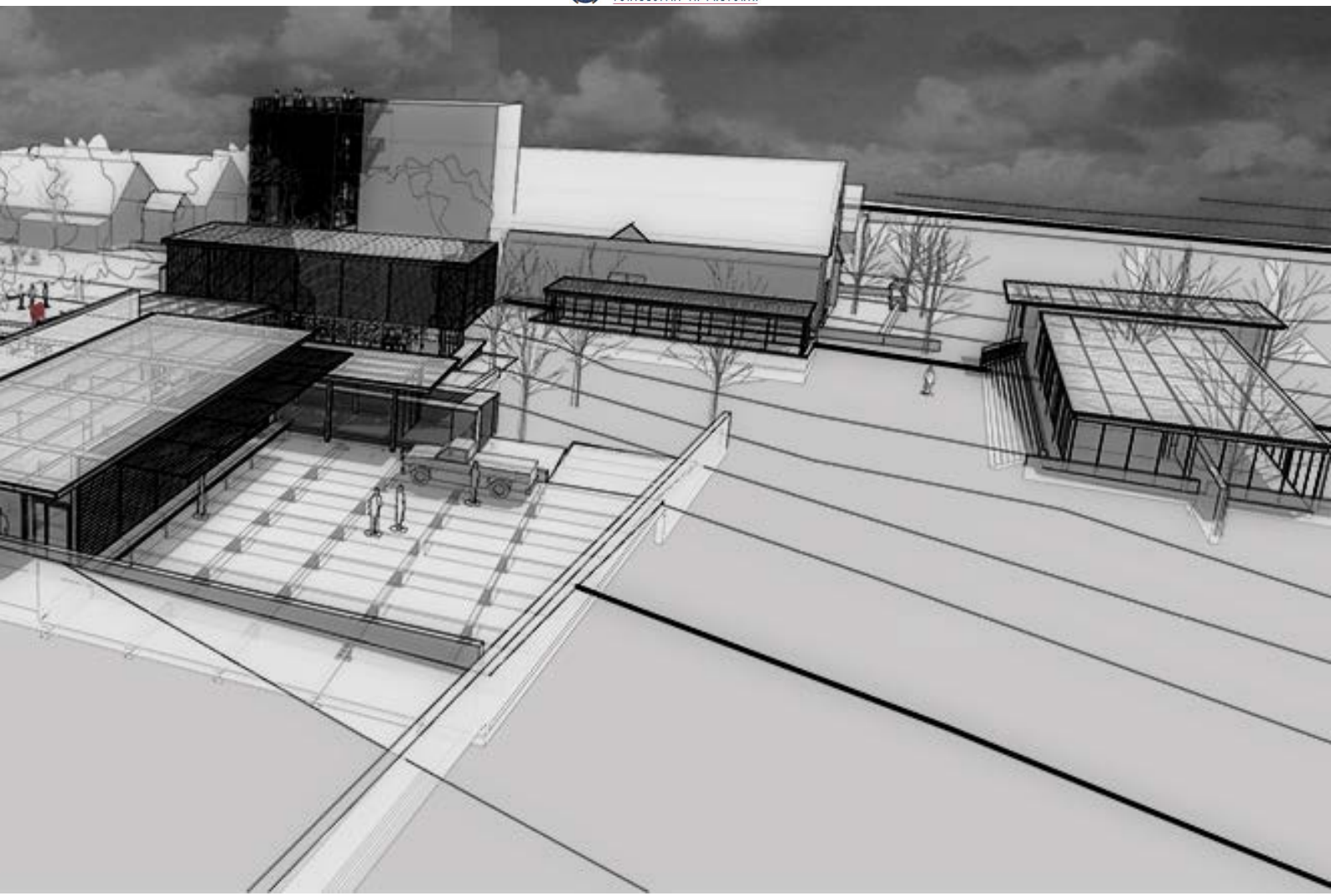


fig.8.37. AGRICULTURE EDUCATION AND TRAINING PRECINCT



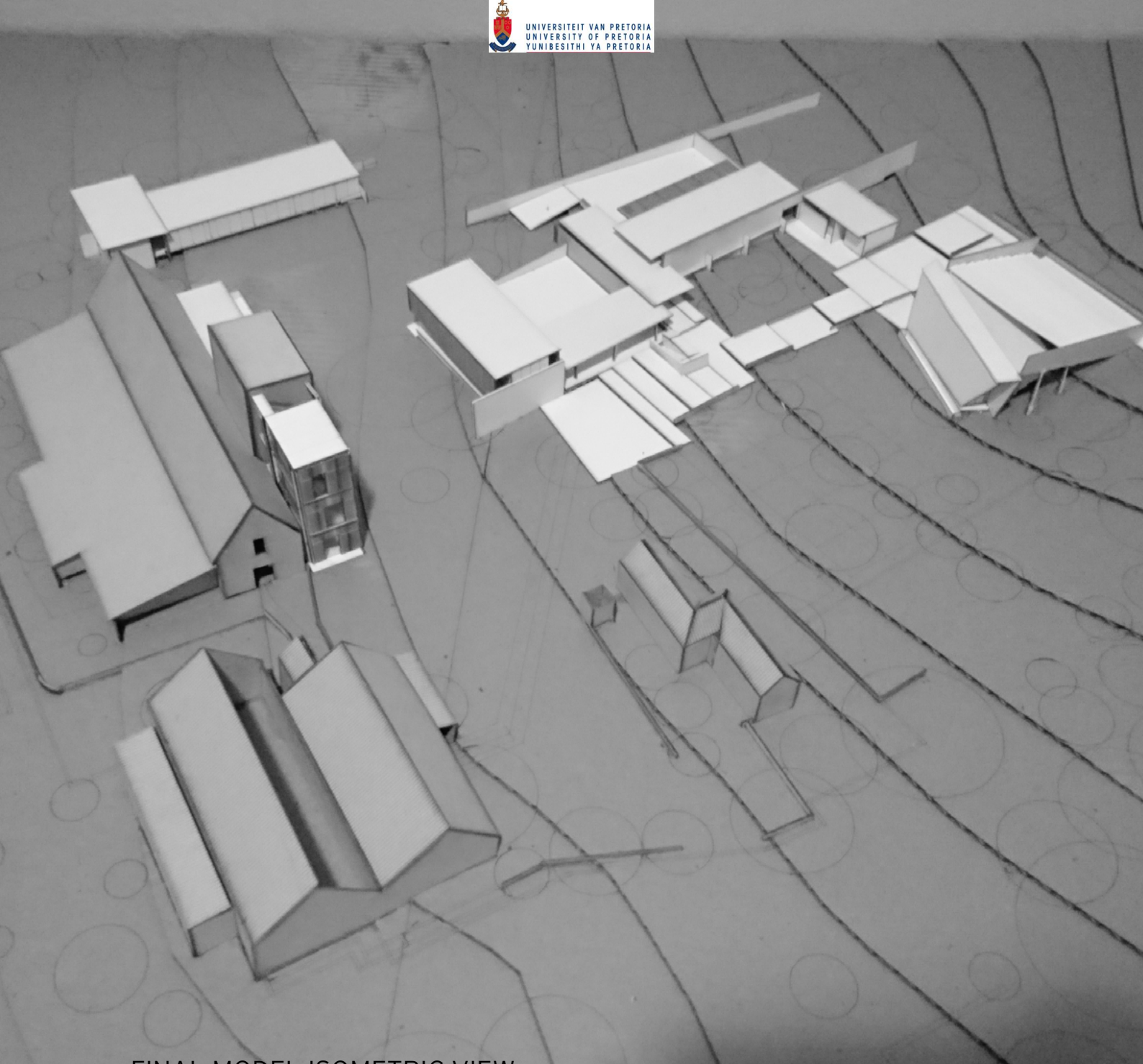


fig.8.38. FINAL MODEL ISOMETRIC VIEW

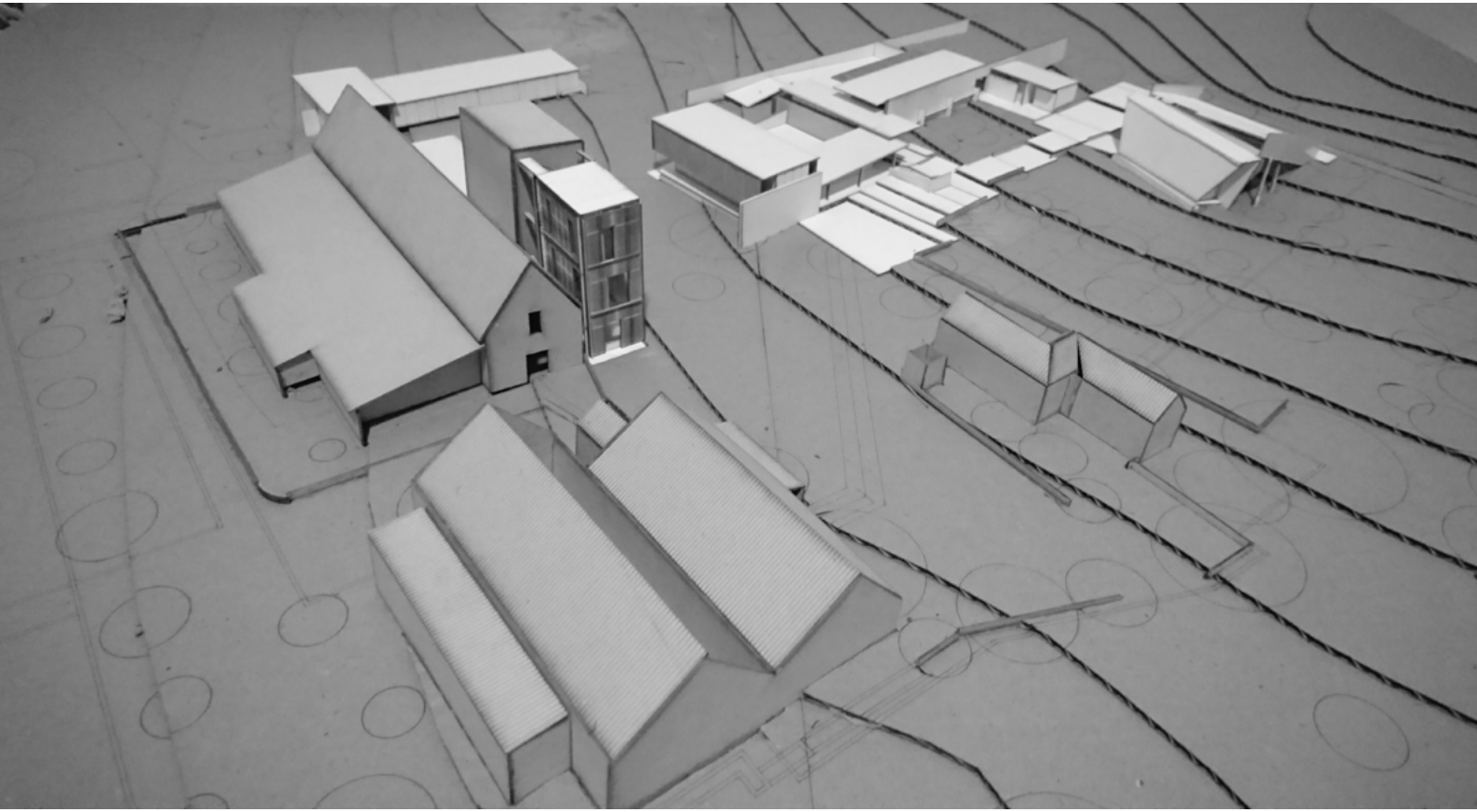


fig.8.39. FINAL MODEL PERSPECTIVE VIEW

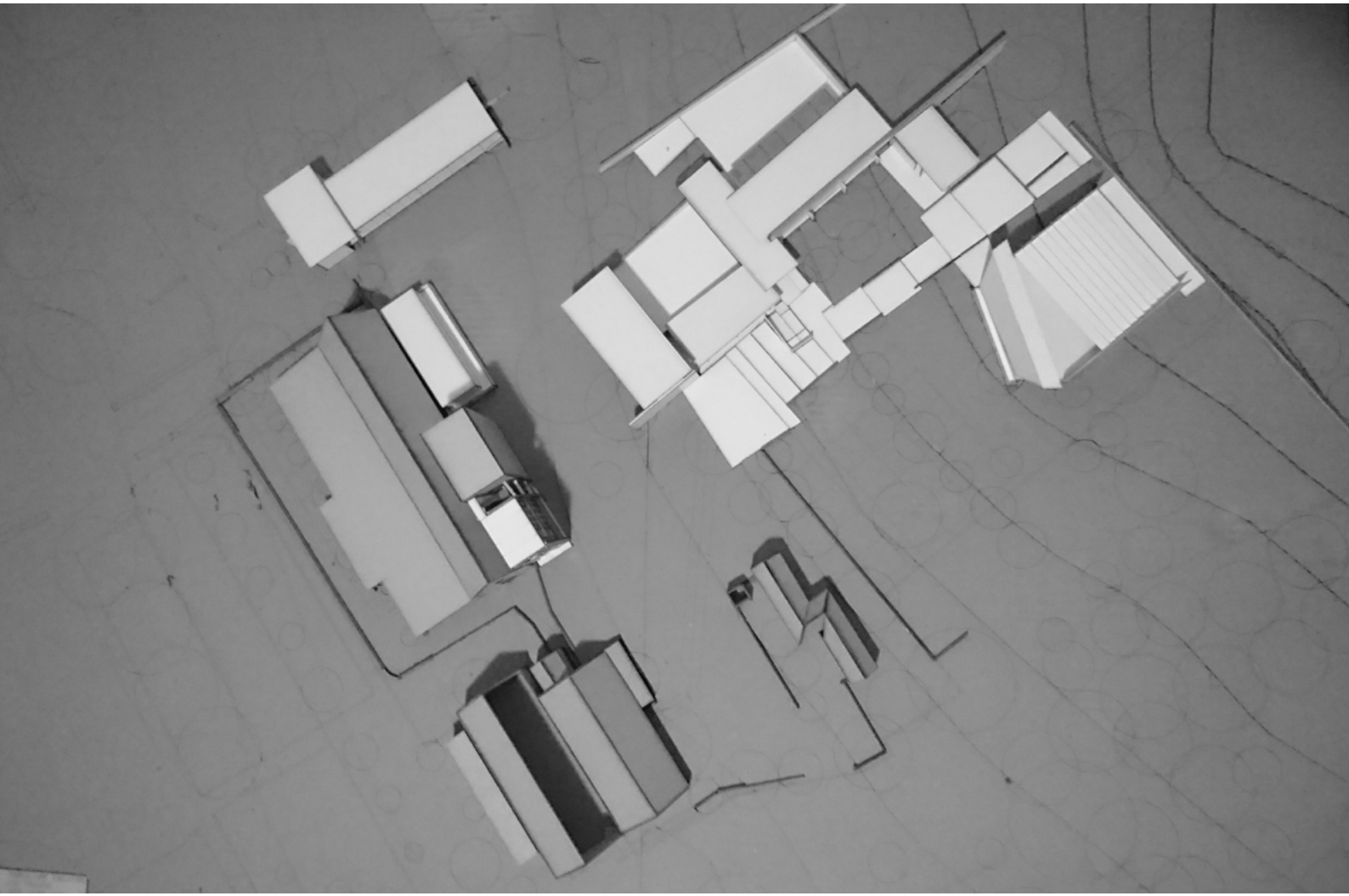


fig.8.40. FINAL MODEL PLAN VIEW

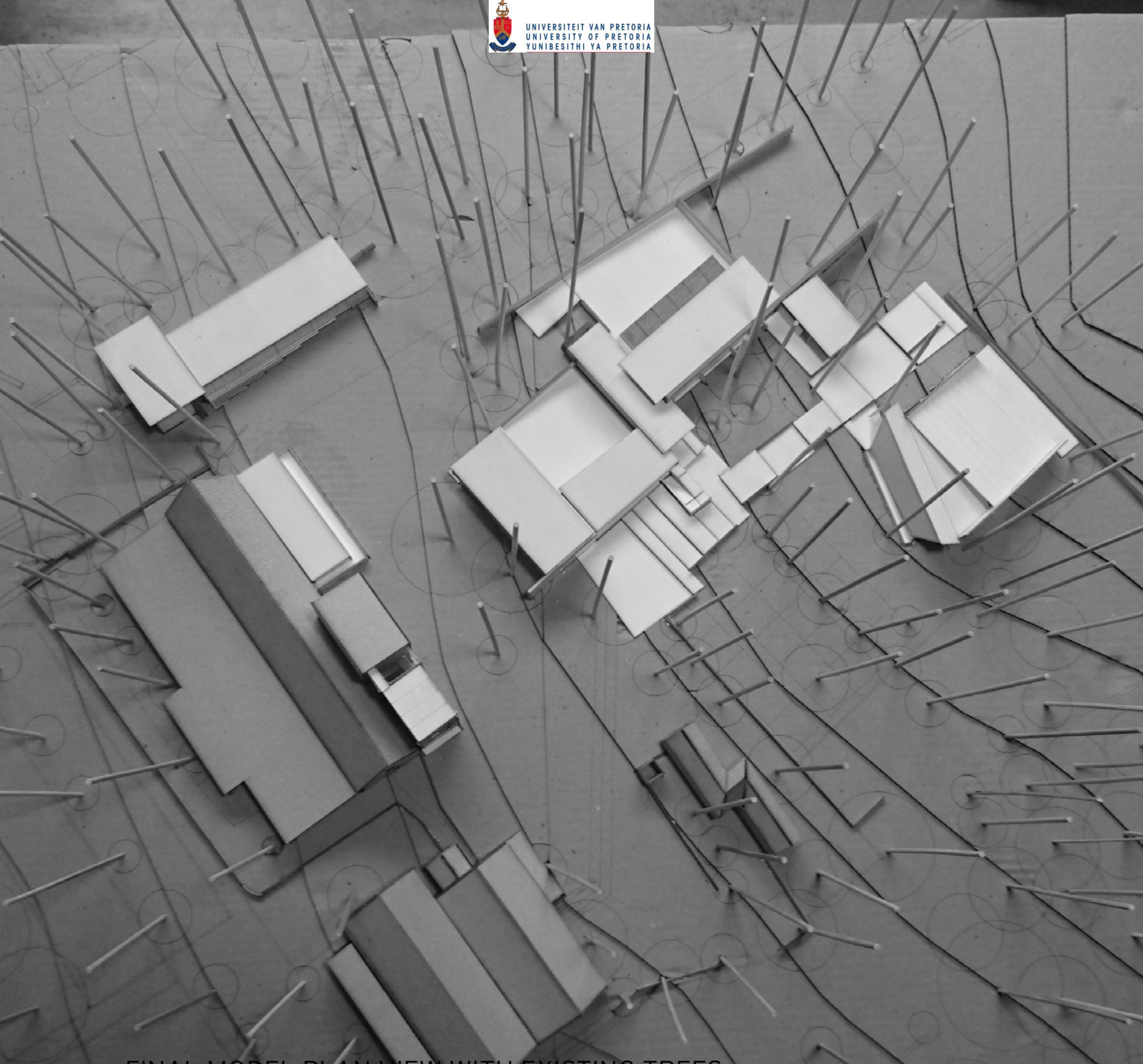


fig.8.41. FINAL MODEL PLAN VIEW WITH EXISTING TREES

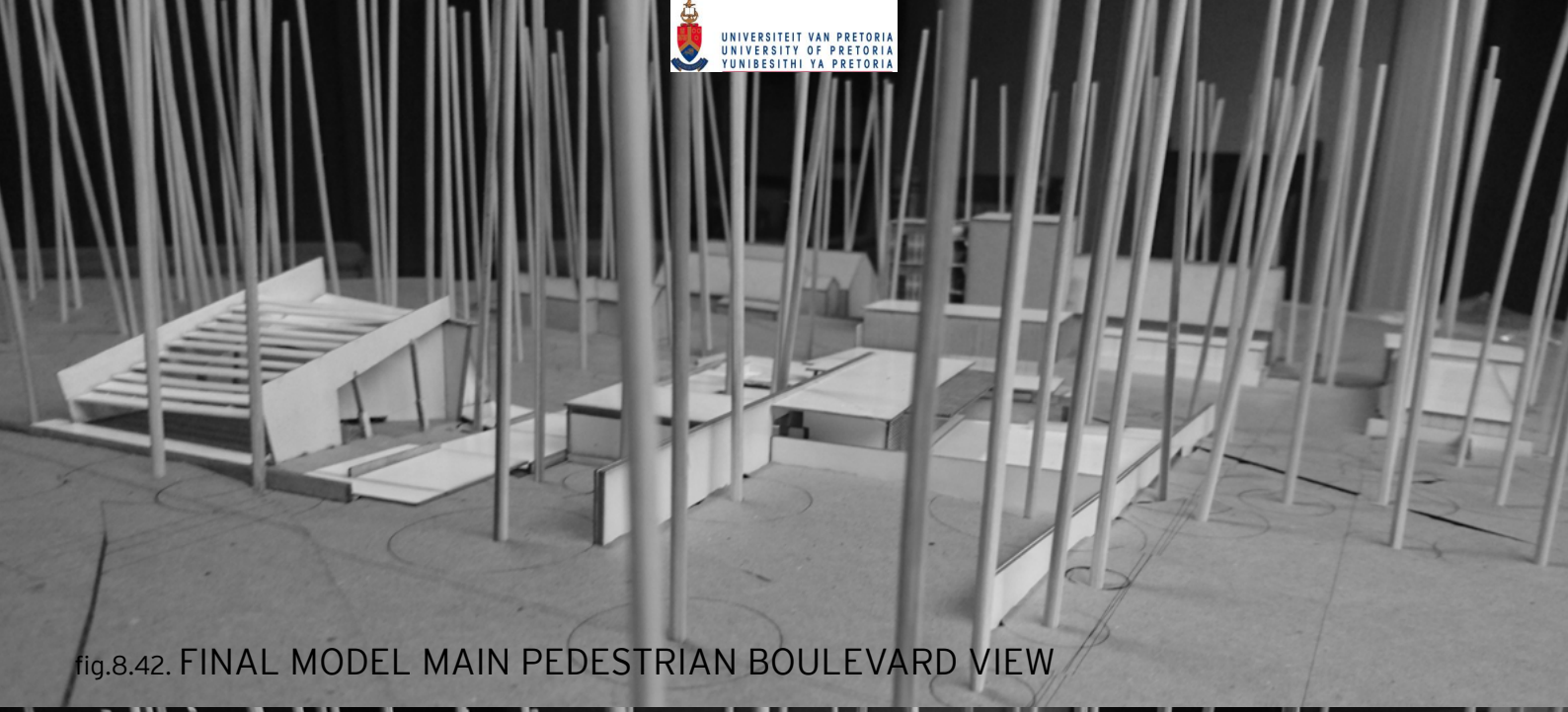


fig.8.42. FINAL MODEL MAIN PEDESTRIAN BOULEVARD VIEW

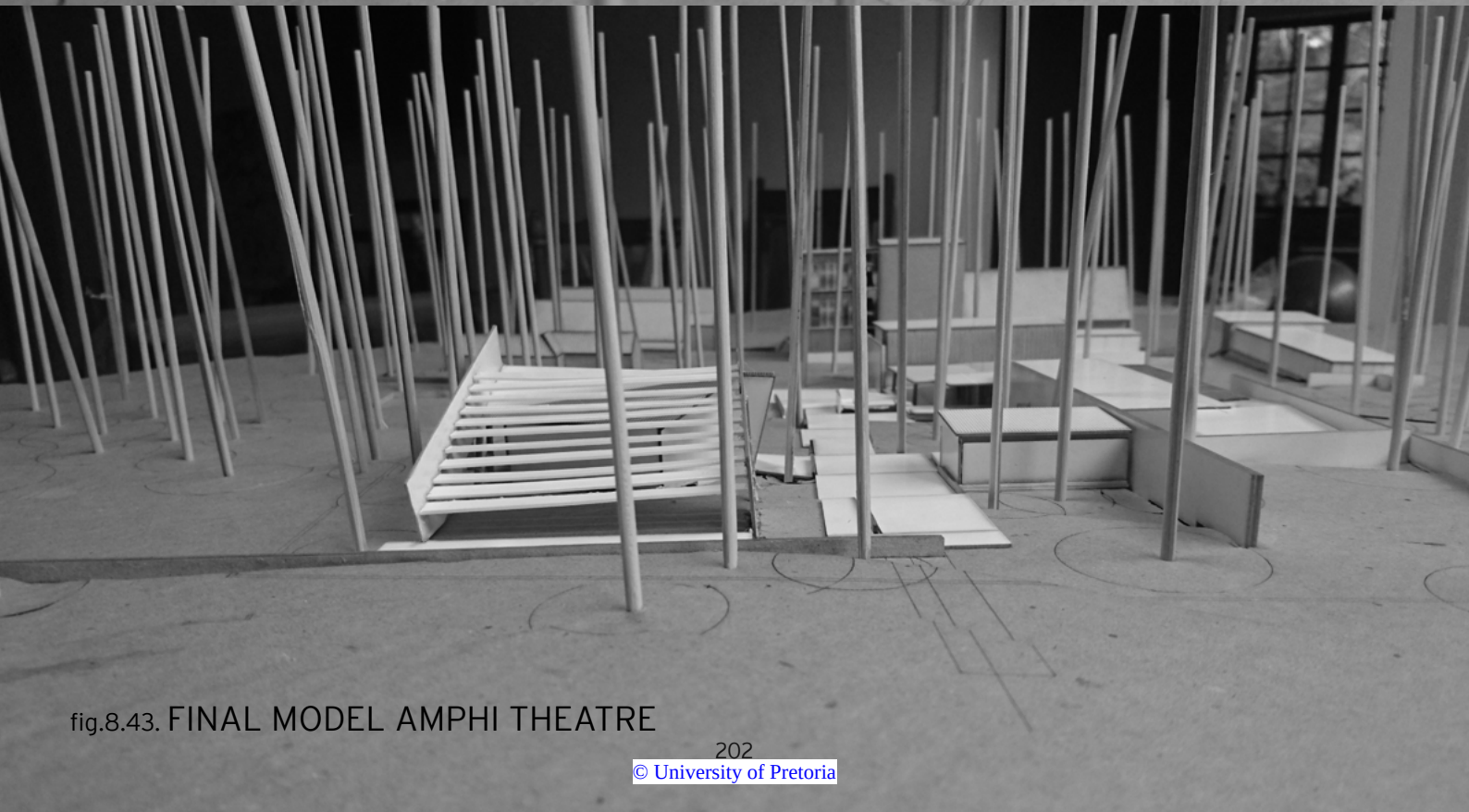


fig.8.43. FINAL MODEL AMPHI THEATRE

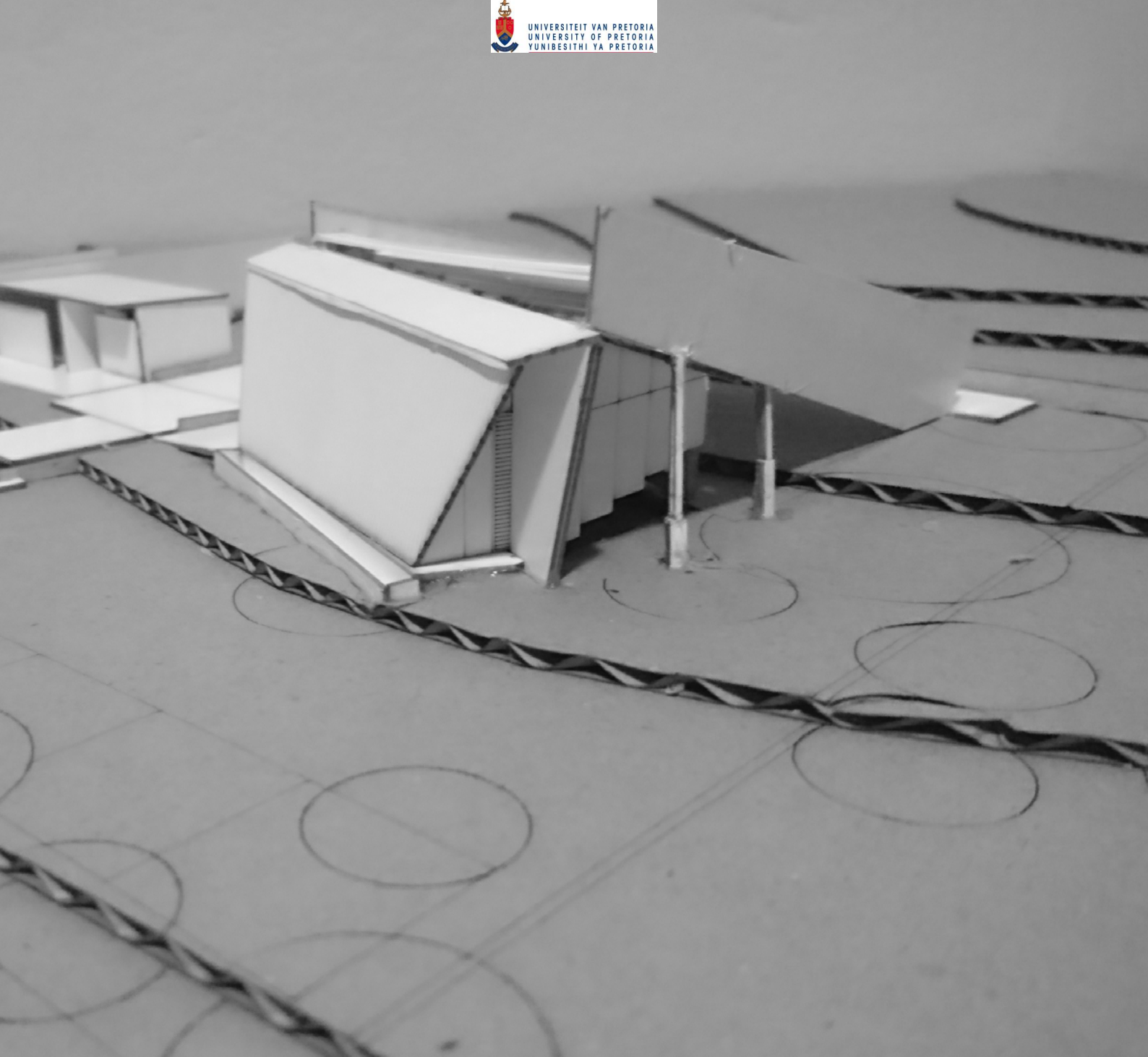


fig.8.44. FINAL MODEL LECTURE THEATRE

fig.8.45. FINAL MODEL MANAGERS TOWER

fig.8.46. FINAL STRIP MODEL OF LABORATORY AND OFFICE DECK

CONCLUSION

The clear conclusion for the Lactis intervention on the Irene Dairy Farm is control, over the architecture that was suggested for the Agriculture Education and Training facility. The proposed programme is perfectly suited for the current education milieu in South Africa, where funding for the masses in terms of education is crucial and not readily available. With the funding from an established estate, the Irene Dairy Farm, agricultural education will address a need for affordable education in a sector that will soon become in high demand in the southern African region.

Through the course of the year the design has developed to become better suited for the farm and the specific space where the architecture was proposed. It was in turn determined and almost dictated by the existing conditions and buildings that surround the new buildings. The proposed scheme for the June examination had an alien aesthetic to the existing architecture and would not have functioned as intended. The intent was that the new design should intervene but not interfere with the existing conditions, in terms of aesthetics as well as function.

If the question is raised that would this be possible? Definitely, with suitable funding from the land owners and government, this programme will surely make a difference in the gap between secondary and tertiary education as a high-tech college.