



POLITECNICO
DI TORINO

Dipartimento di
Architettura e
Design

Master in Architecture for
Sustainability
A.Y. 2024 - 2025

Thesis Title

Gardella's Lost Legacy:
The Church of Alessandria.
Study, 3D documentation and
Analysis

Students

S314988 Hiba Hamid Hashmi
S306891 Maria Jose Lopez Ortiz

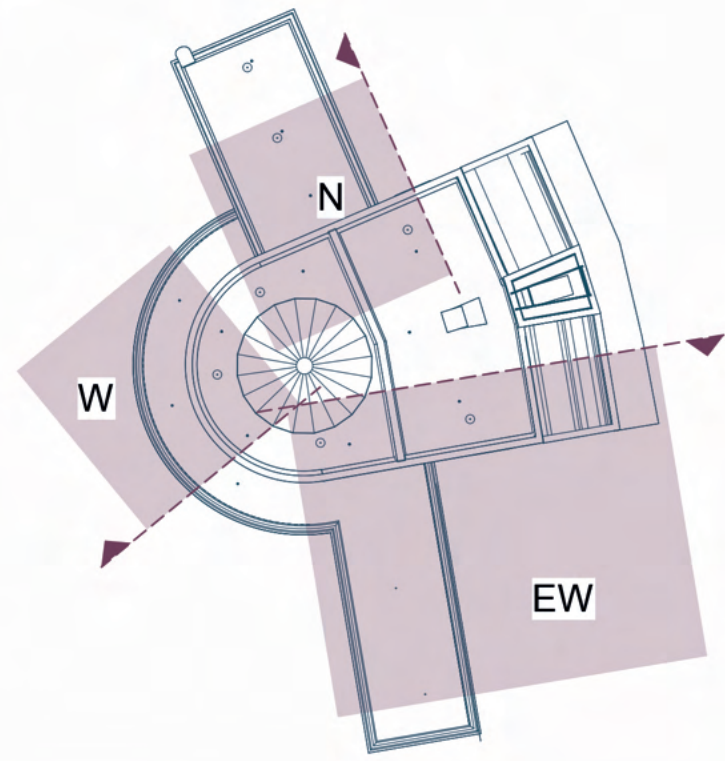
Supervisors

Supervisor:
Filiberto Chiabrando
Co-Supervisor:
Francesco Novelli

Board No. 06

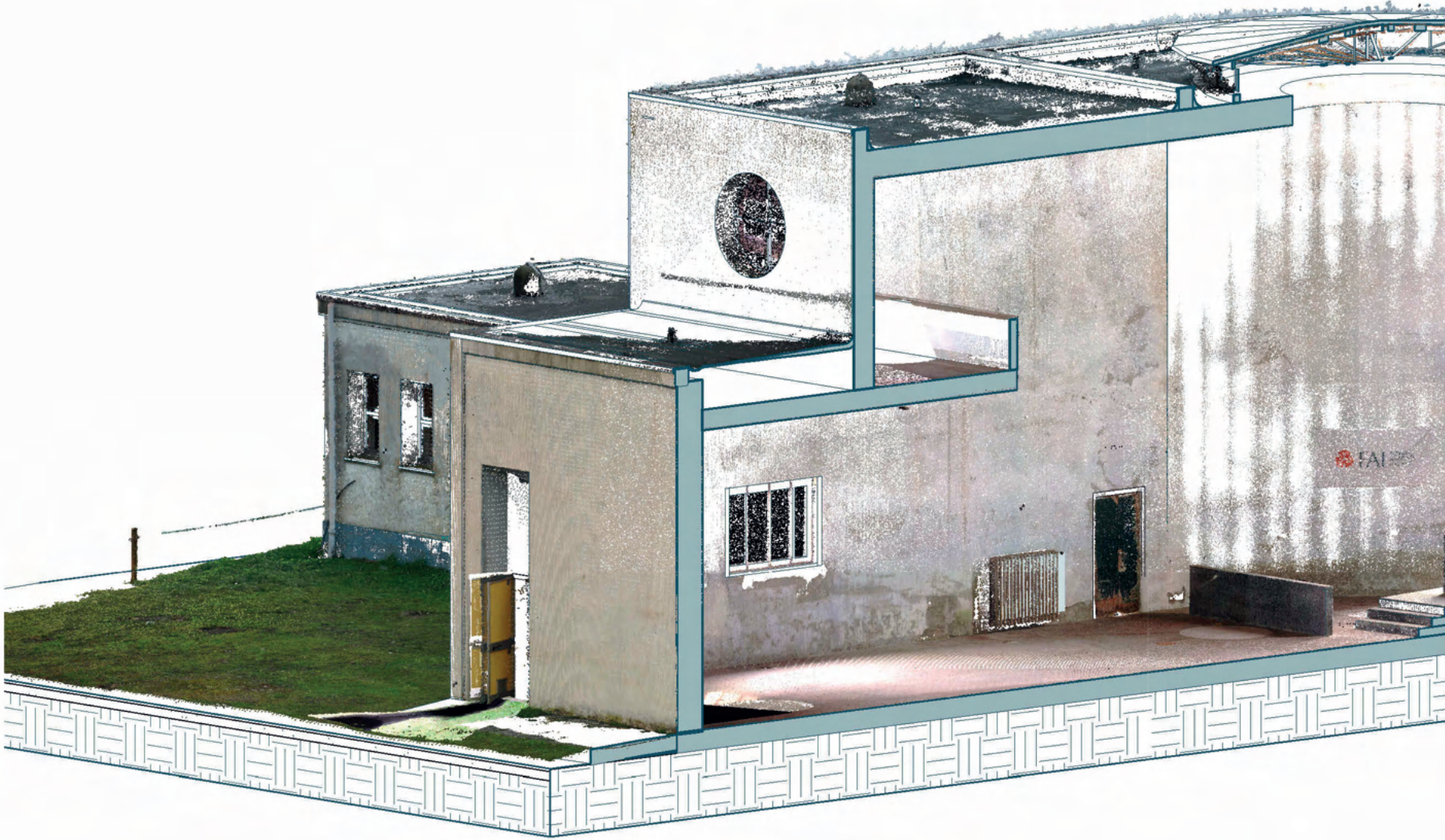
- ☐ TERRITORIAL CONTEXT
- ☐ GEOMATICS SURVEY
- ☐ 2D DOCUMENTATION
- ☒ HBIM DOCUMENTATION
- ☐ MATERIAL ANALYSIS
- ☐ CURRENT STATE OF
CONSERVATION ANALYSIS
AND SOLUTIONS
- ☐ THE PROPOSAL

The Church Building

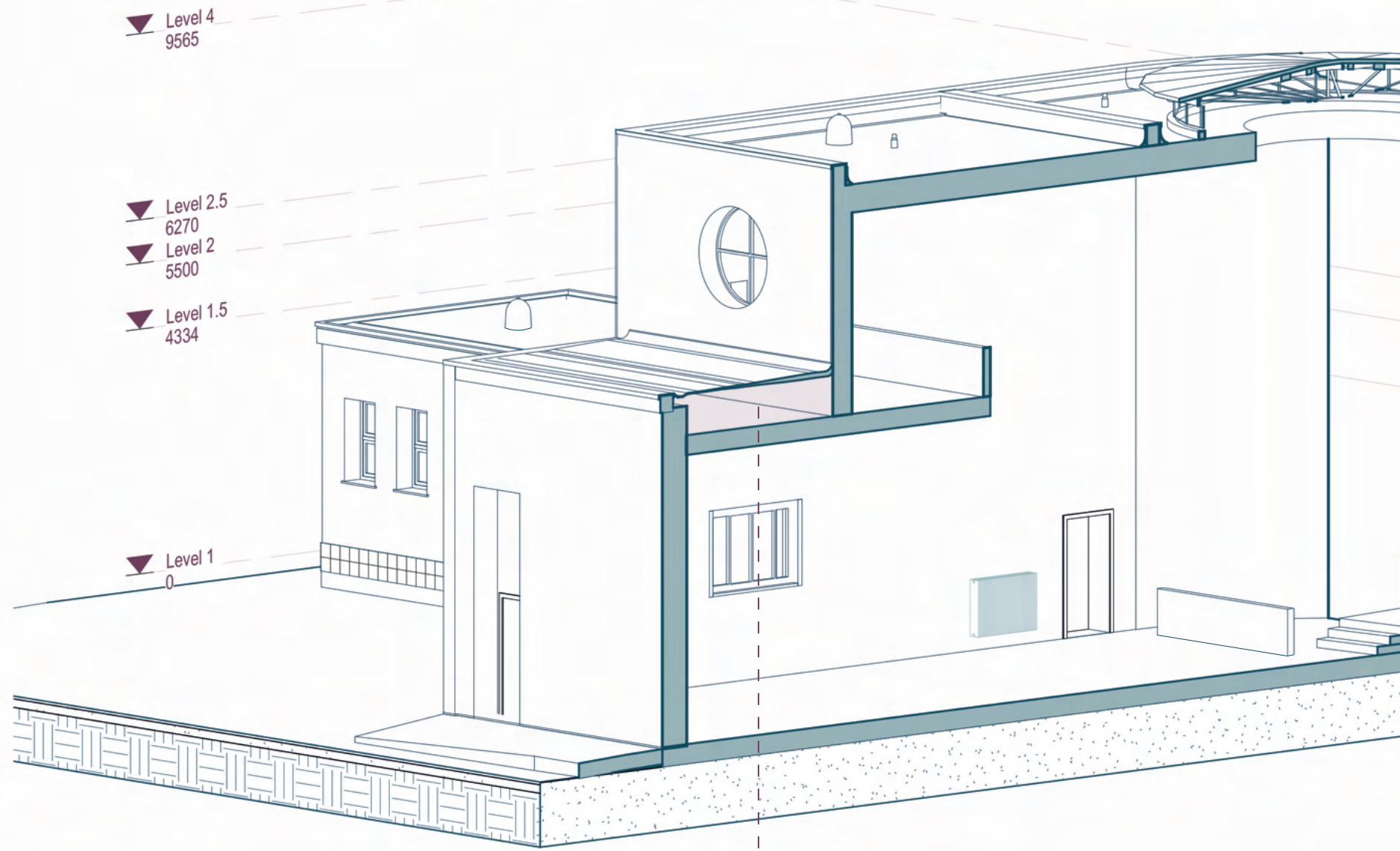


K02 Key Plan_East, West & North
1: 400

East West 3D Section Cut - Comparison of Point Cloud (interior & exterior) with 3D model



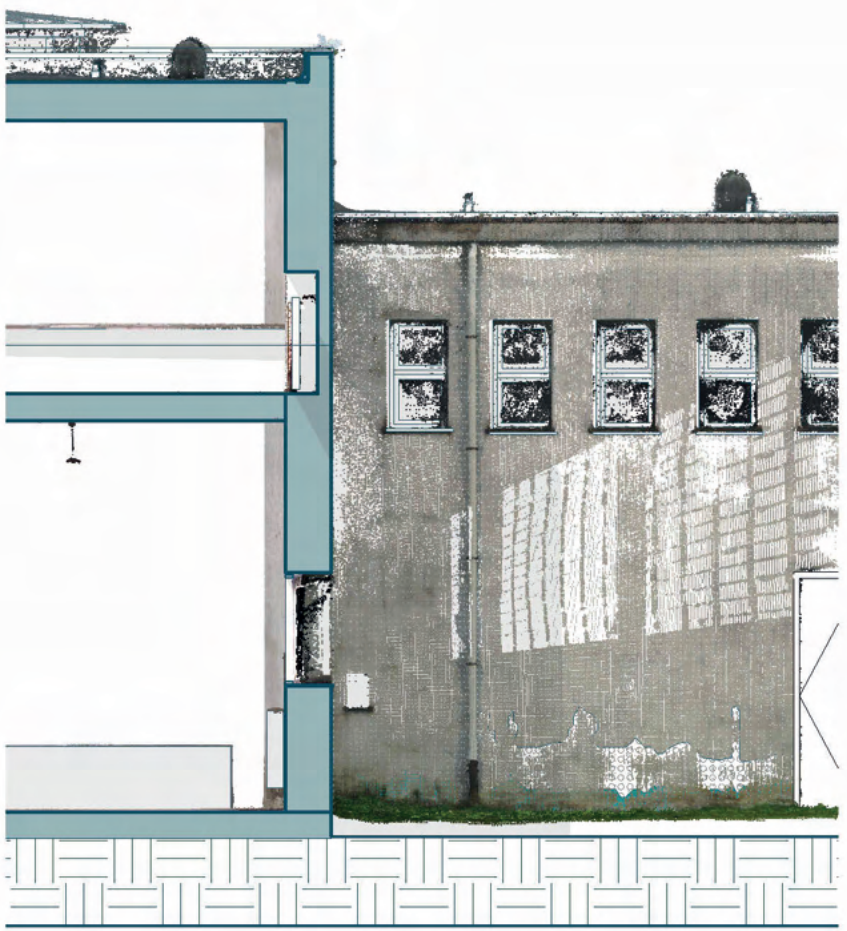
EW01 East West_3D+Point Cloud



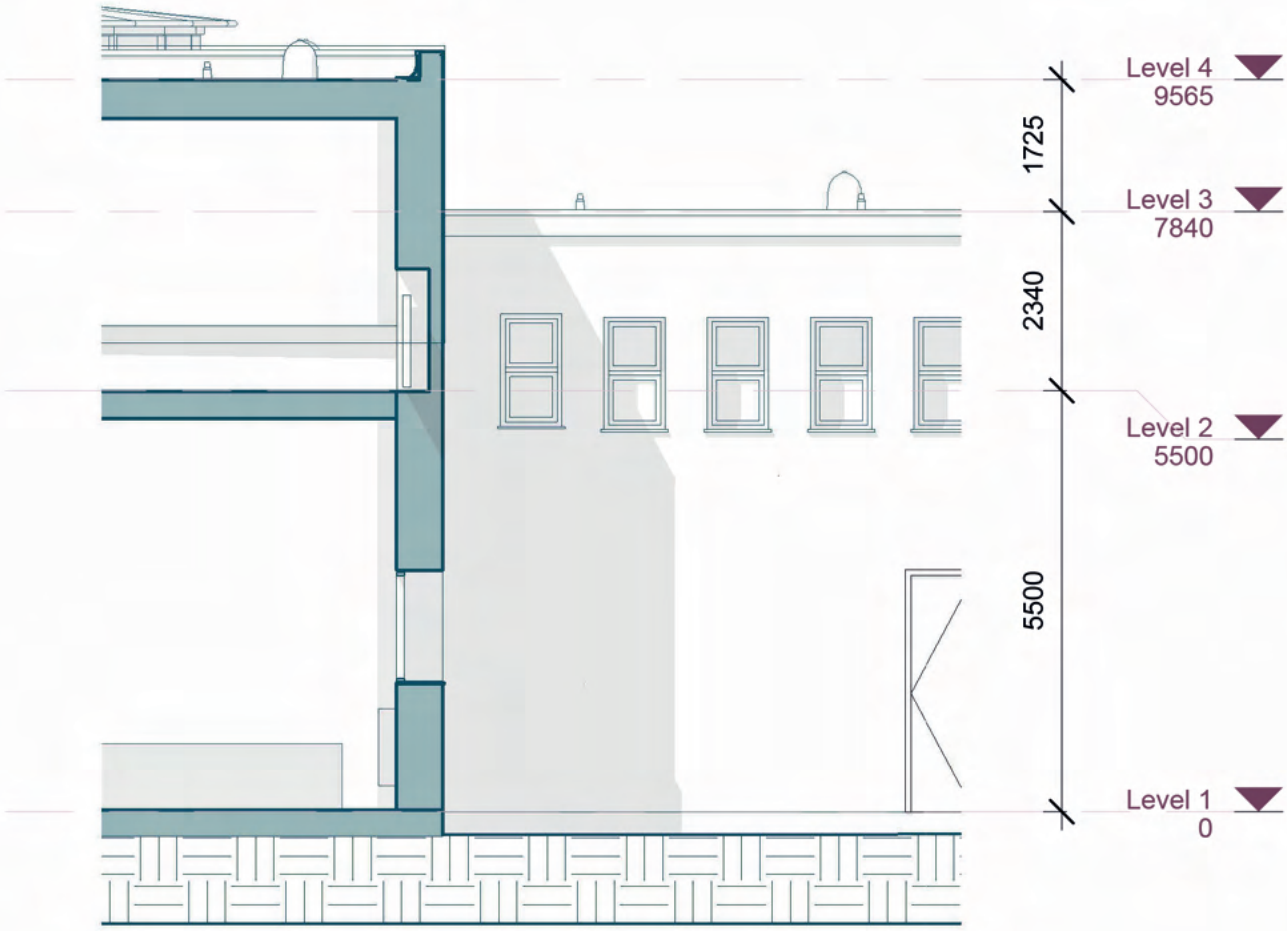
EW02 East West_3D

Missing Structural
Information regarding this
space

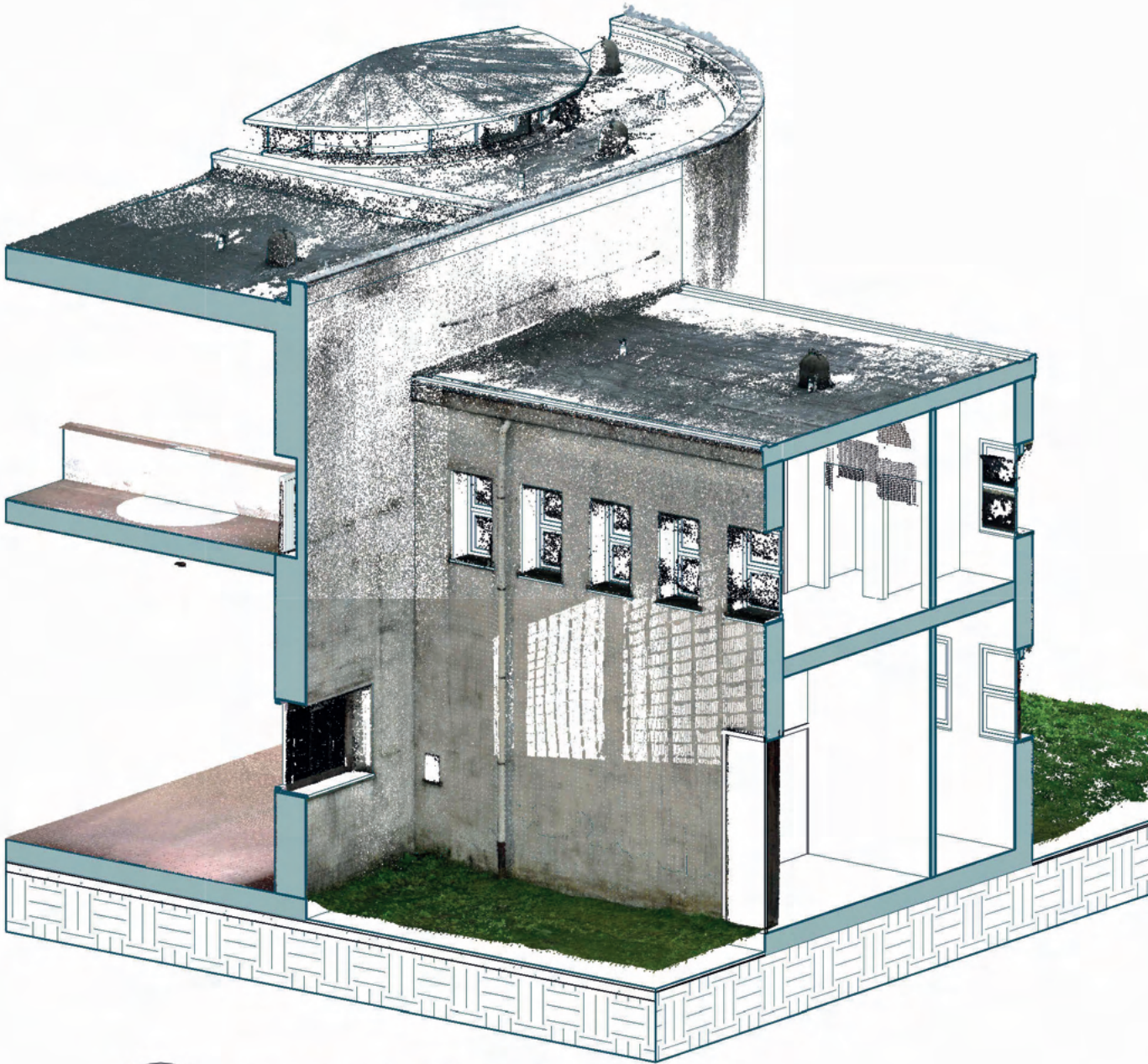
North Wall Section Cut - Comparison of Point Cloud (walls, floors & roof) with 3D model



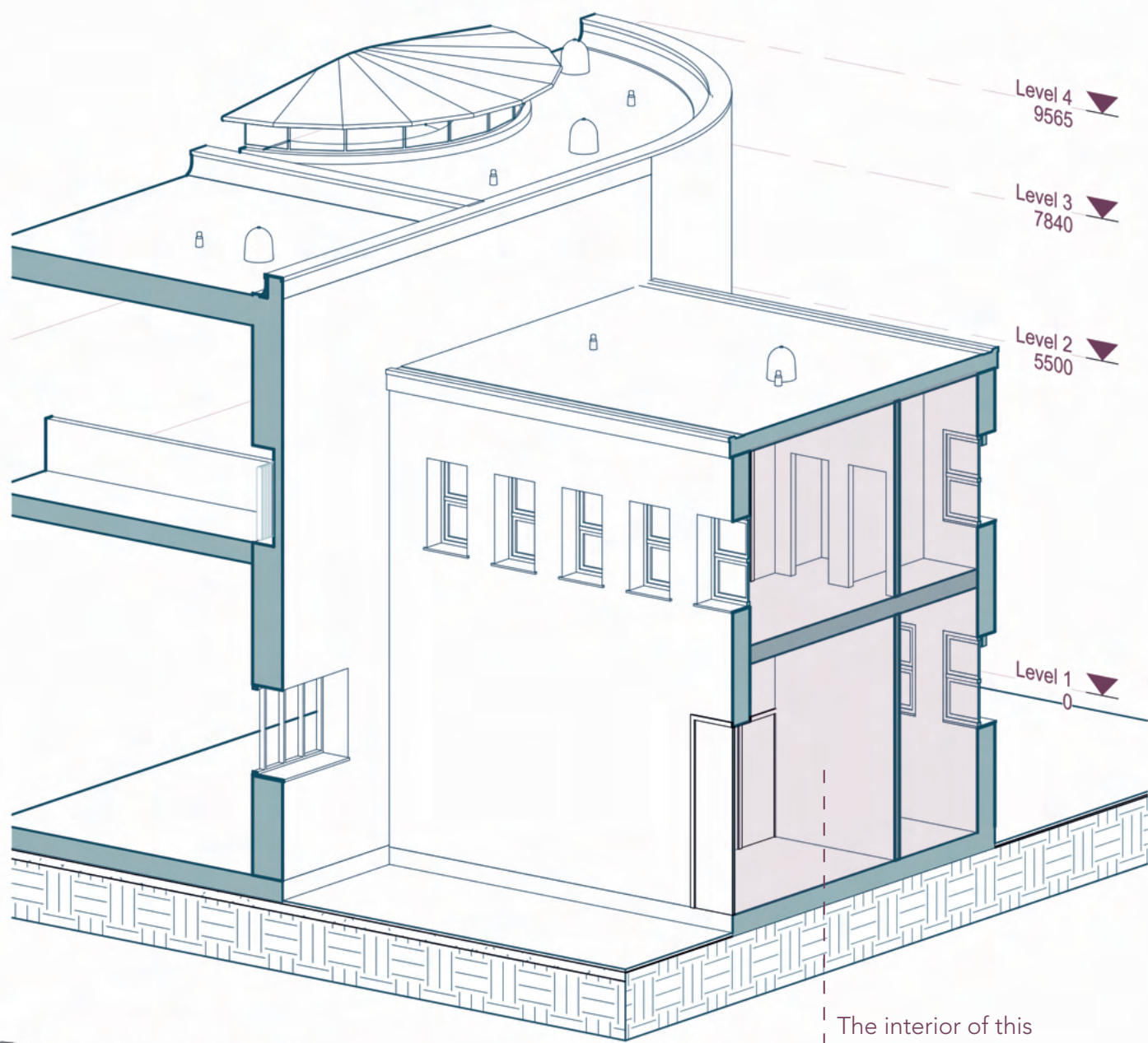
N01 North Wall Section_Point Cloud
1: 100



N02 North Wall Section
1: 100



N03 North Wall_3D+Point Cloud



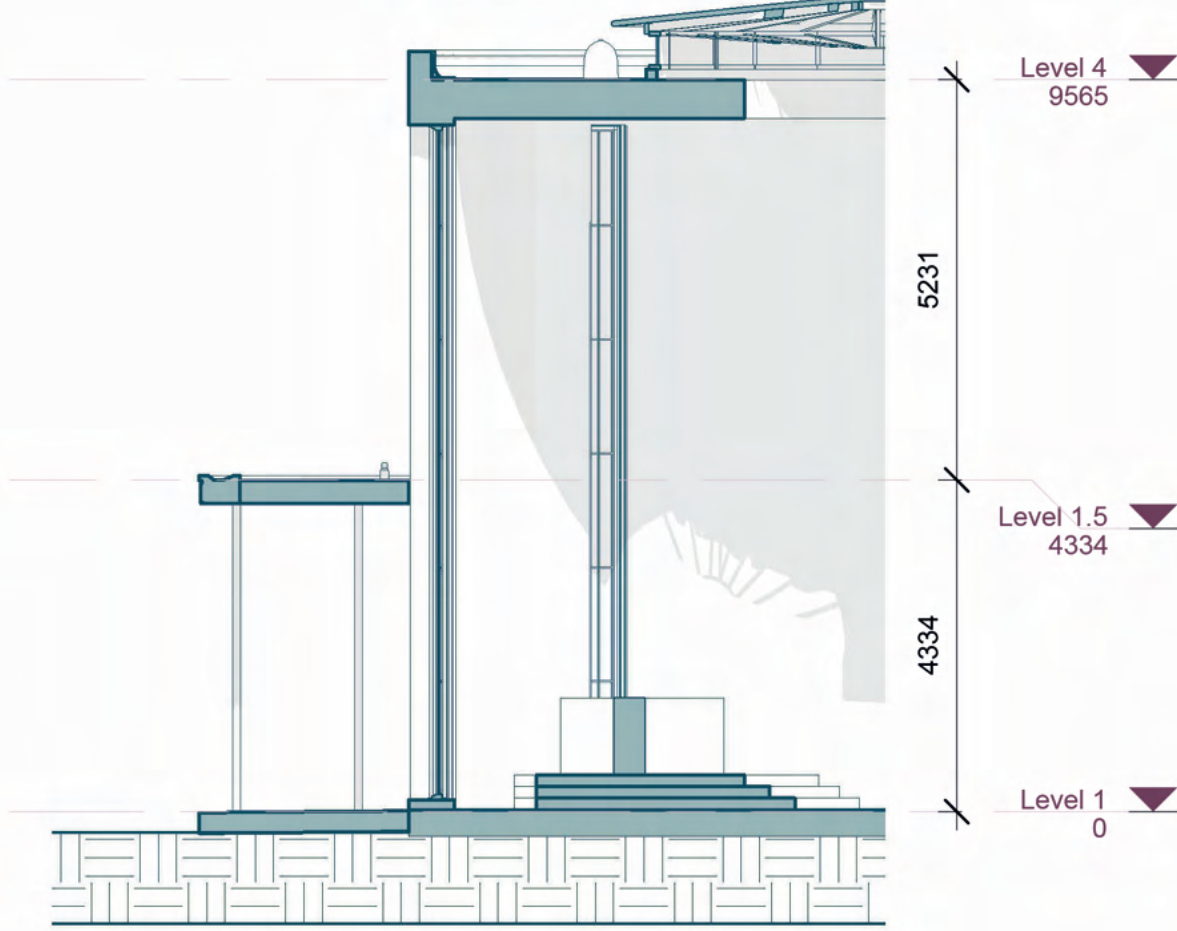
N04 North Wall_3D

The interior of this
space is Hypothesized.
As this was not
scanned.

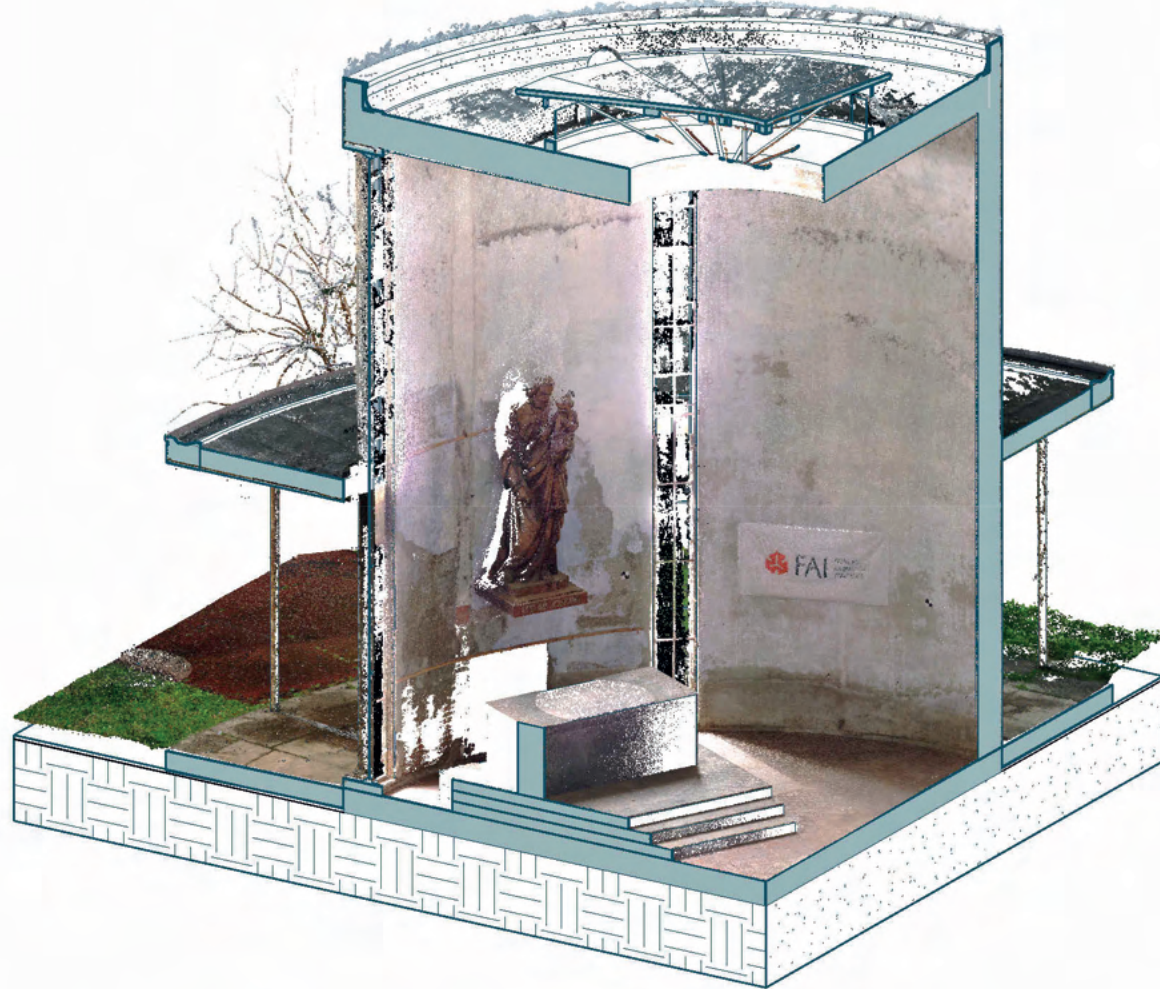
West Wall Section Cut - Comparison of Point Cloud (walls, floors & roof) with 3D model



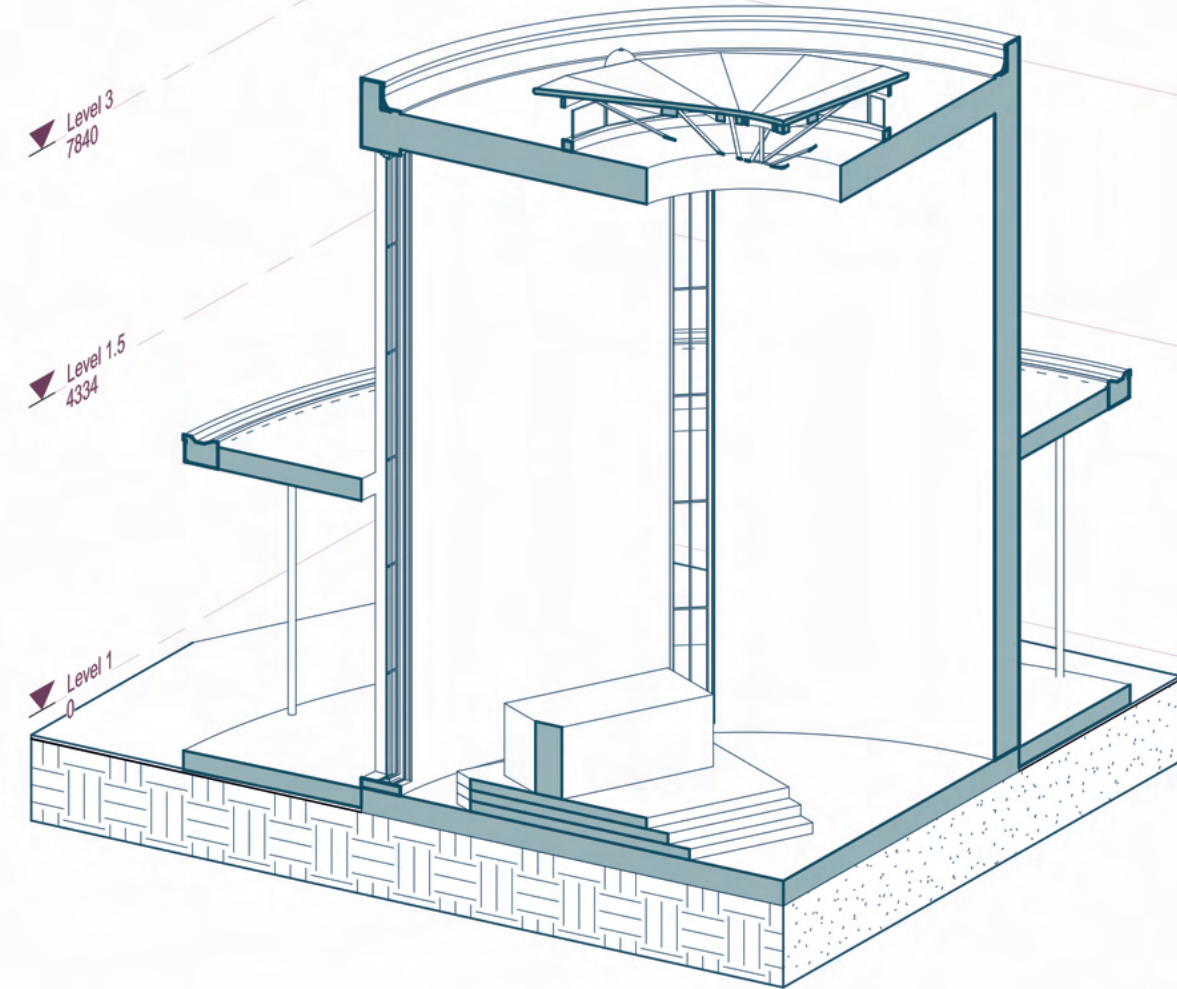
W01 West Wall Section_Point Cloud
1: 100



W02 West Wall section
1: 100



W03 West Wall_3D+Point Cloud



W04 West Wall_3D