

Bachelor-Thesis an der Hochschule Luzern - Technik & Architektur

Titel **Weiterbauen am Dorfzentrum Roggwil**

Diplomandin/Diplomand **Russo, Loriana**

Bachelor-Studiengang **Bachelor Architektur**

Semester **FS20**

Dozentin/Dozent **Durfner, Oliver**

Expertin/Experte **Conen, Maria**

Abstract Deutsch

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Abstract Englisch

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Ort, Datum Horw, 19. Juni 2020
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Bachelor - Diplomarbeit 2020

Loriana Russo

Weiterbauen am Dorfzentrum Roggwil

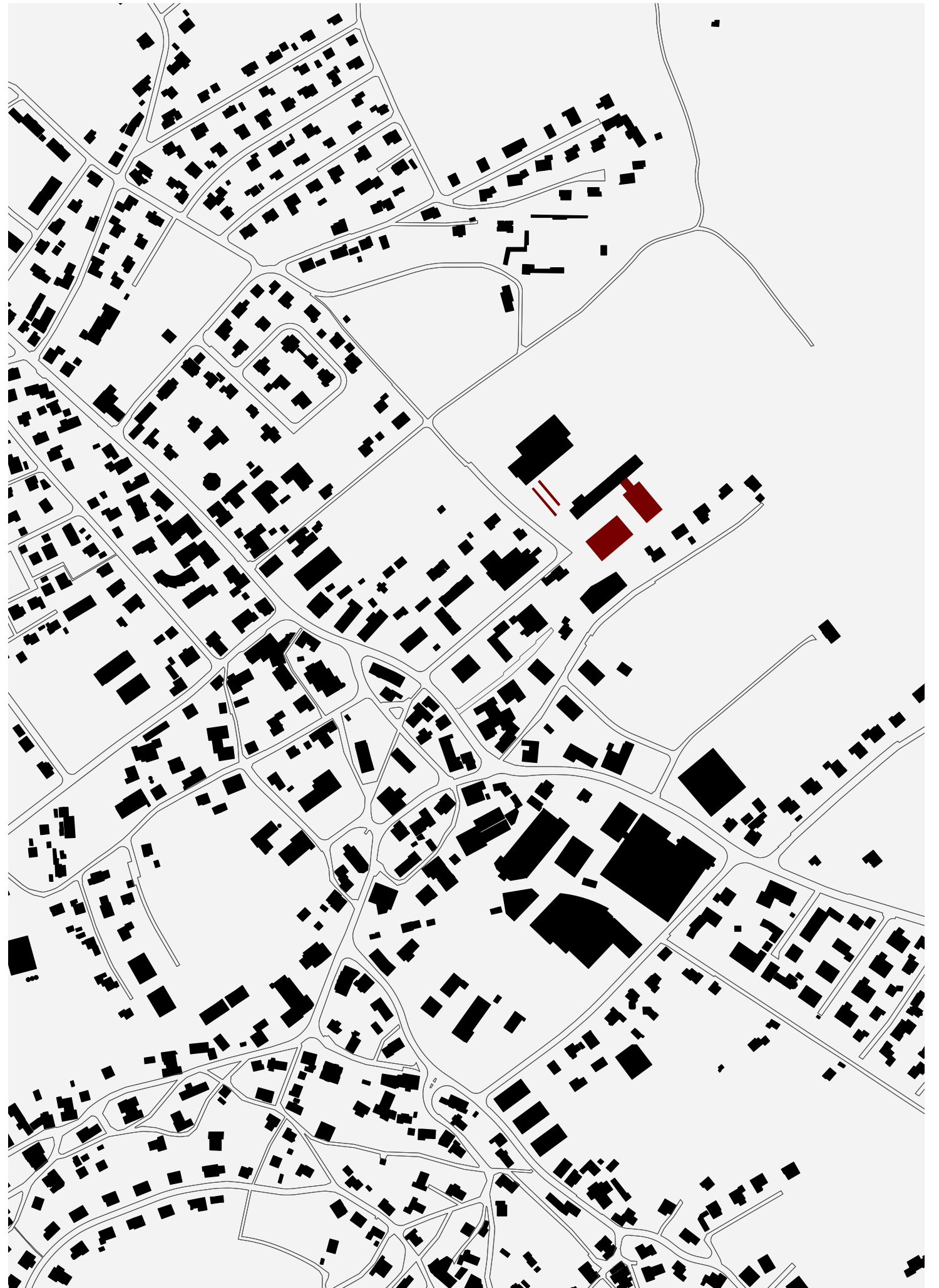
Schlusskritik

Dozent: Oliver Dufner
Begleitender Ingenieur: Andreas Burgherr
Diplomexpertin: Maria Conen

Hochschule Luzern - Technik & Architektur
Institut für Architektur - Bachelor Architektur



Situationsplan Bestand, Mst. 1: 5000



Situationsplan Umsetzung, Mst. 1:5000



KONZEPT

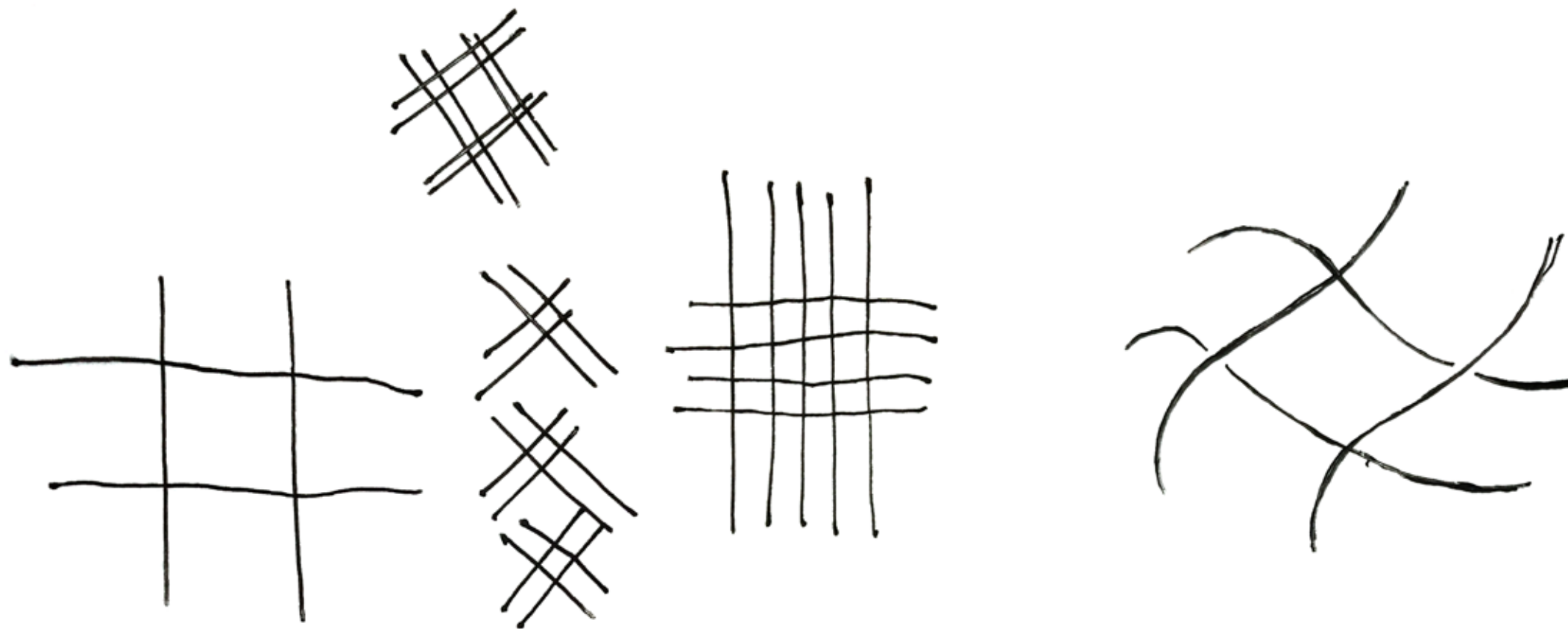
Textilindustrie Gugelmann Areal

verweben, verstricken, vernetzen

Regel, Gesetzmässigkeit, Struktur

Bestand – Neu/ Erweiterung

Pädagogik, Entwicklung & Förderung



SETZUNG

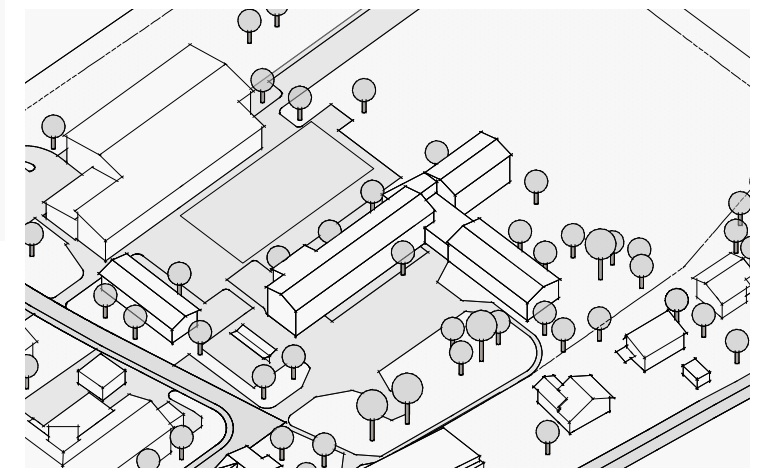
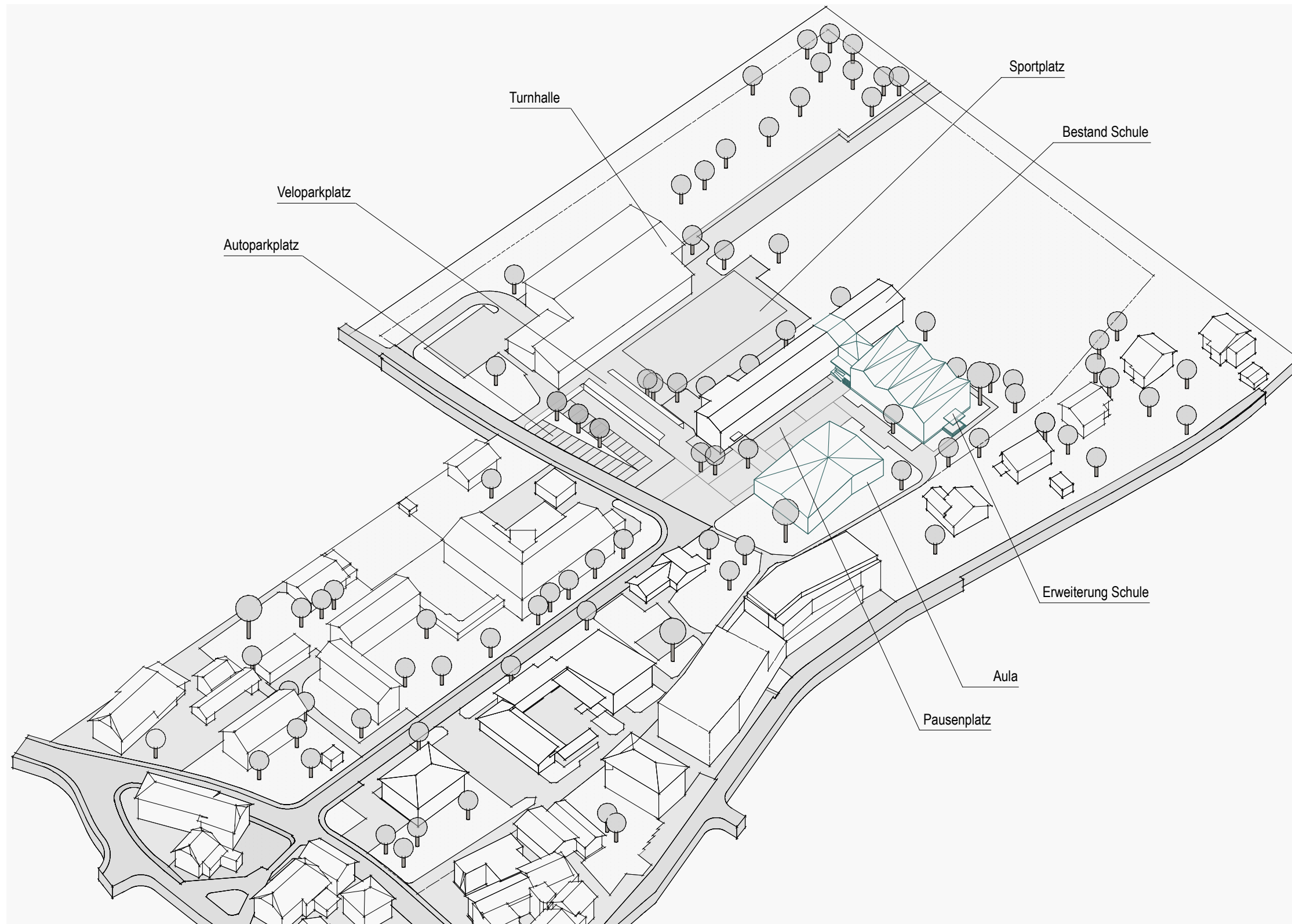
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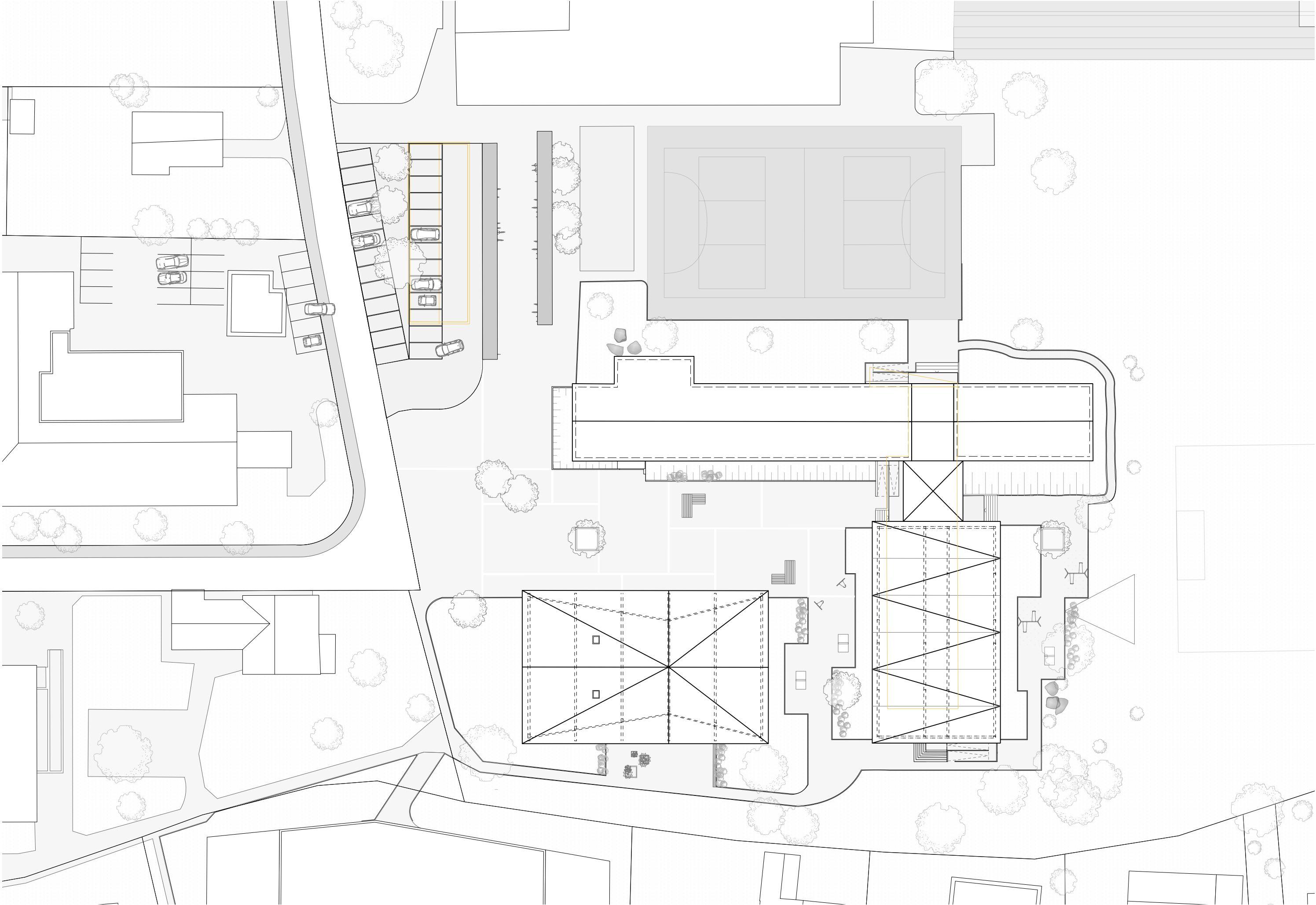
direkte Verbindung zum Dorf

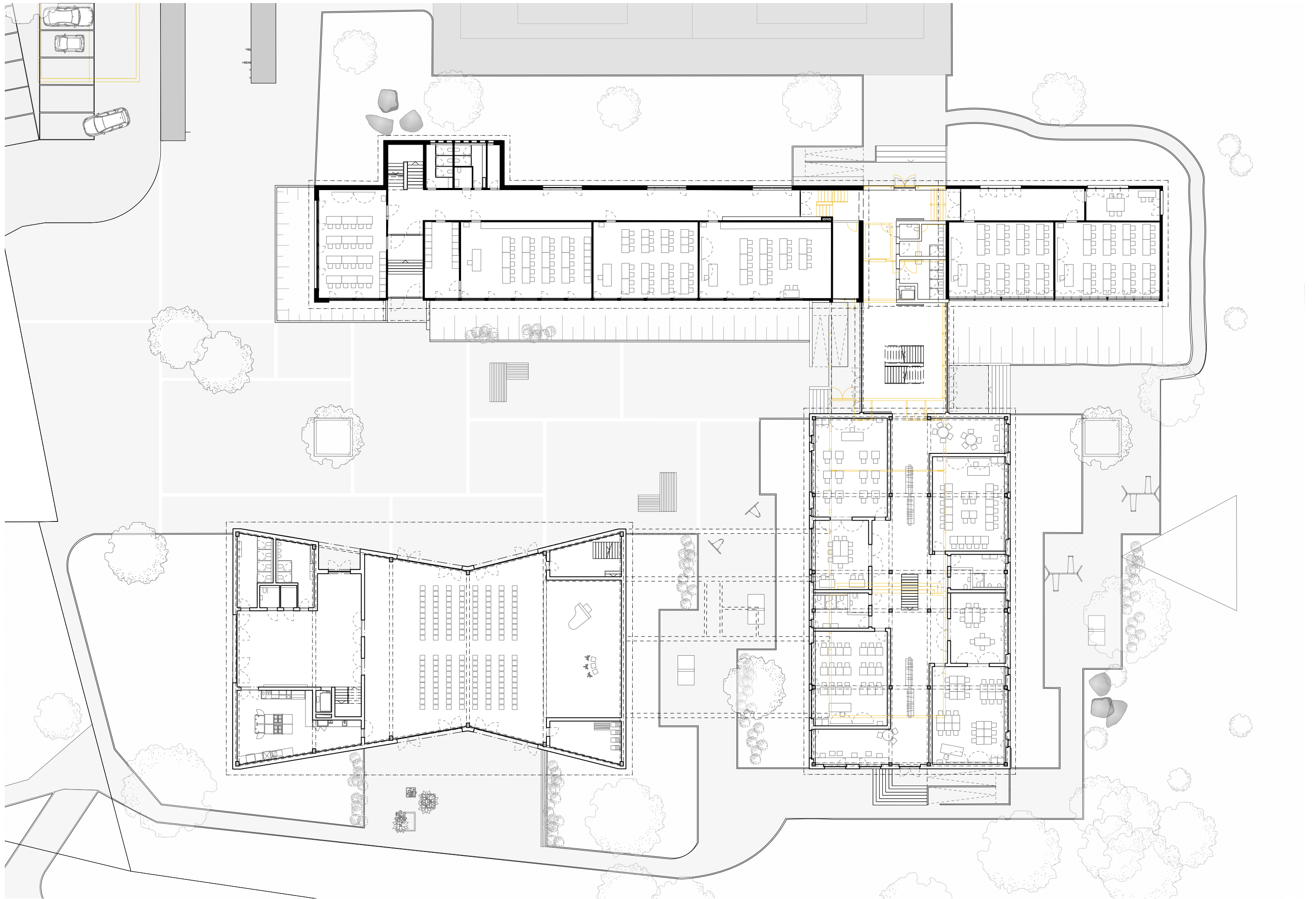
strukturierter Pausenplatz

Gebäudeensemble

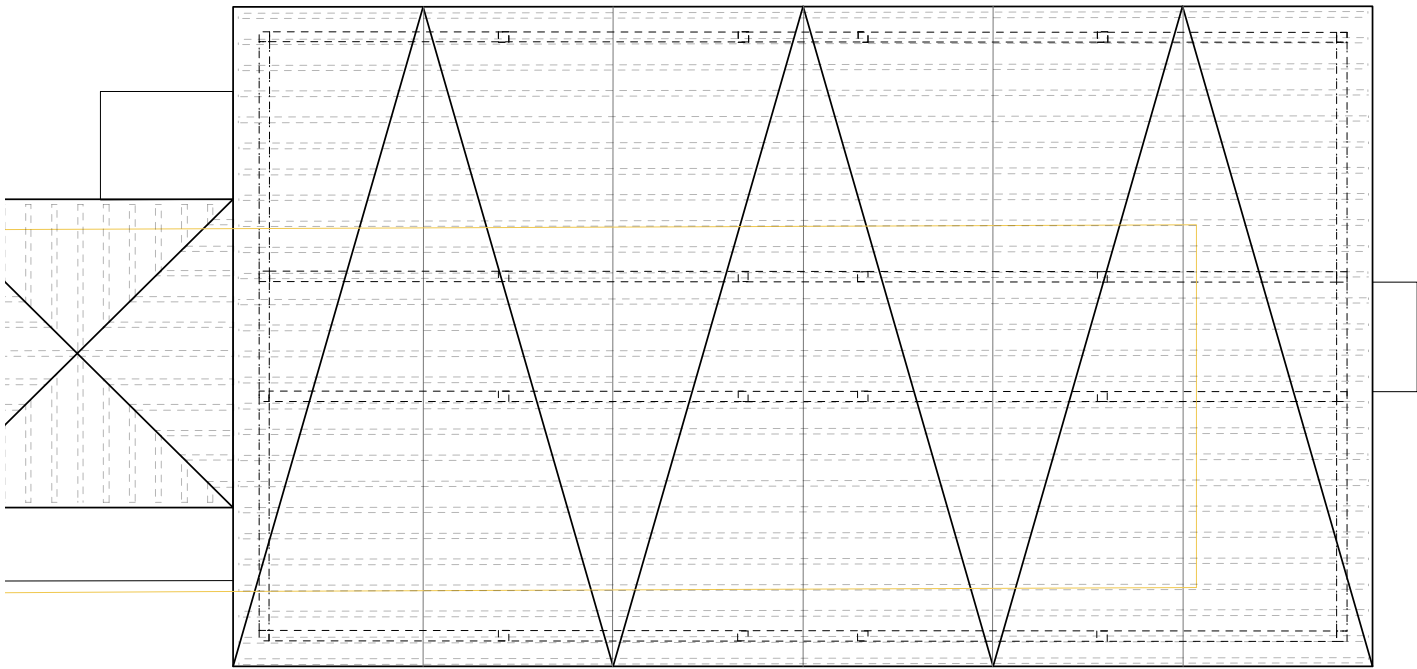
Einheit



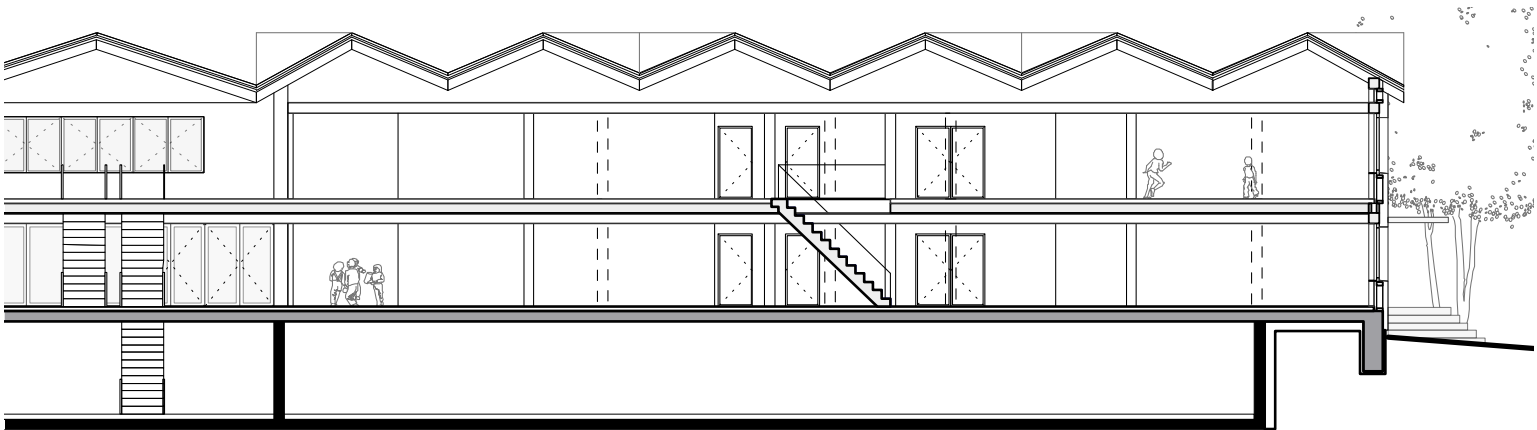




ERWEITERUNG OBERSTUFENSCHULHAUS



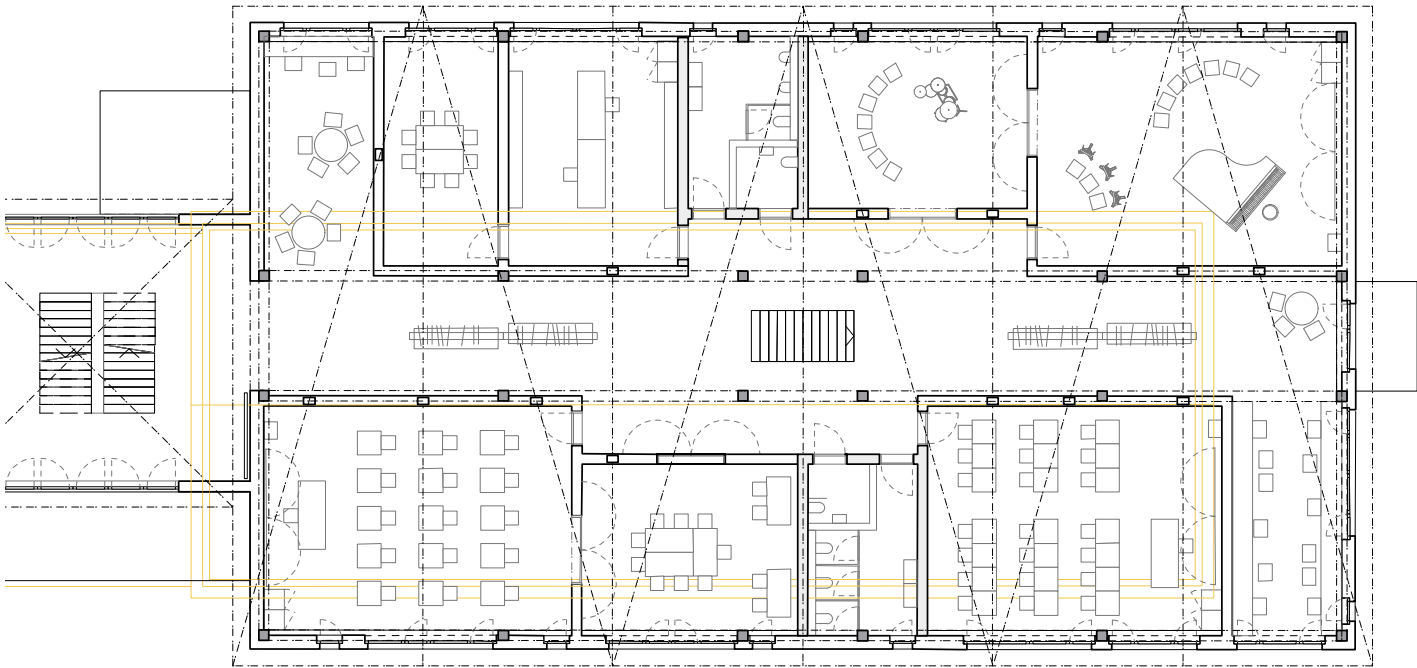
Dachaufsicht



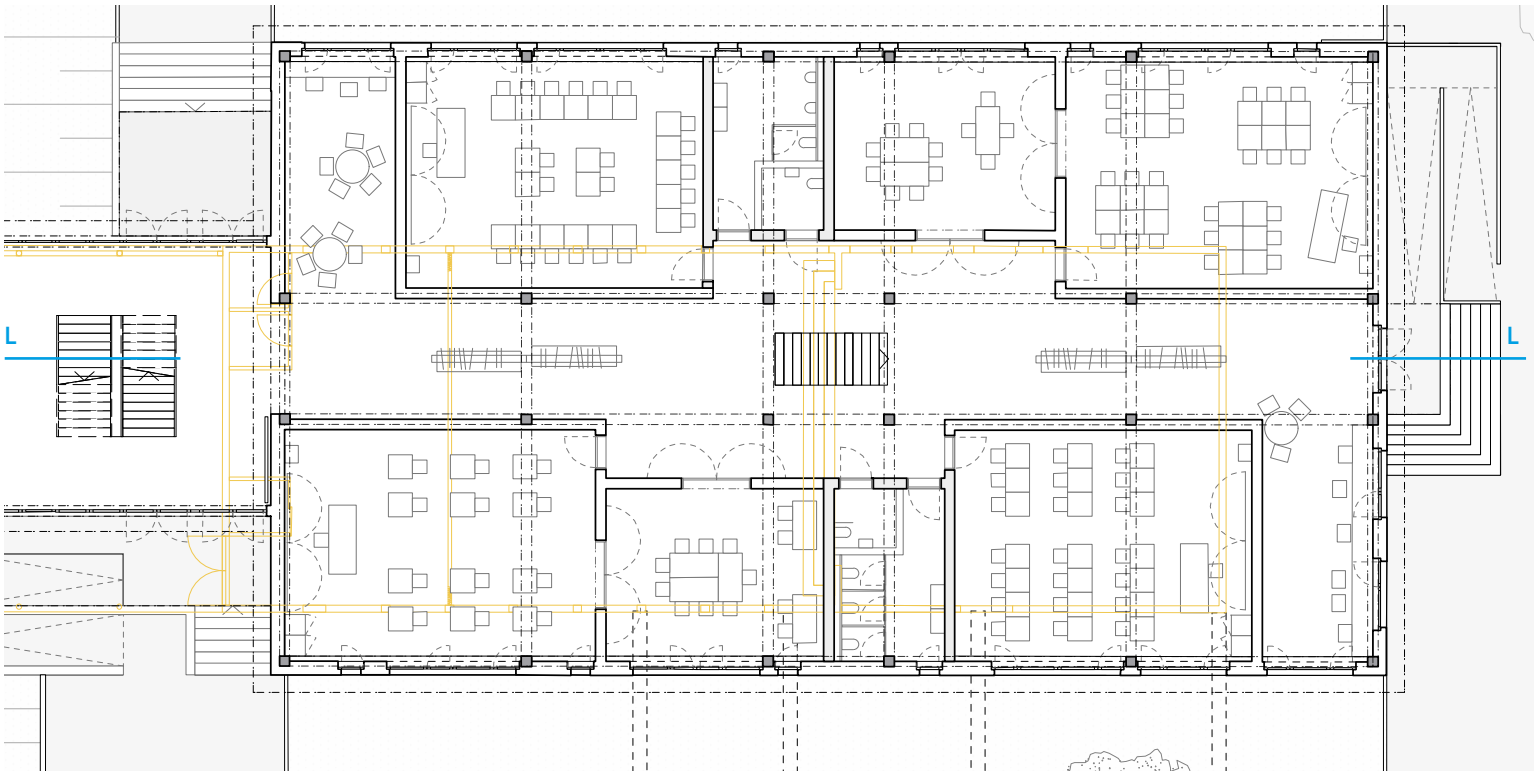
Längsschnitt



Fassadenansicht



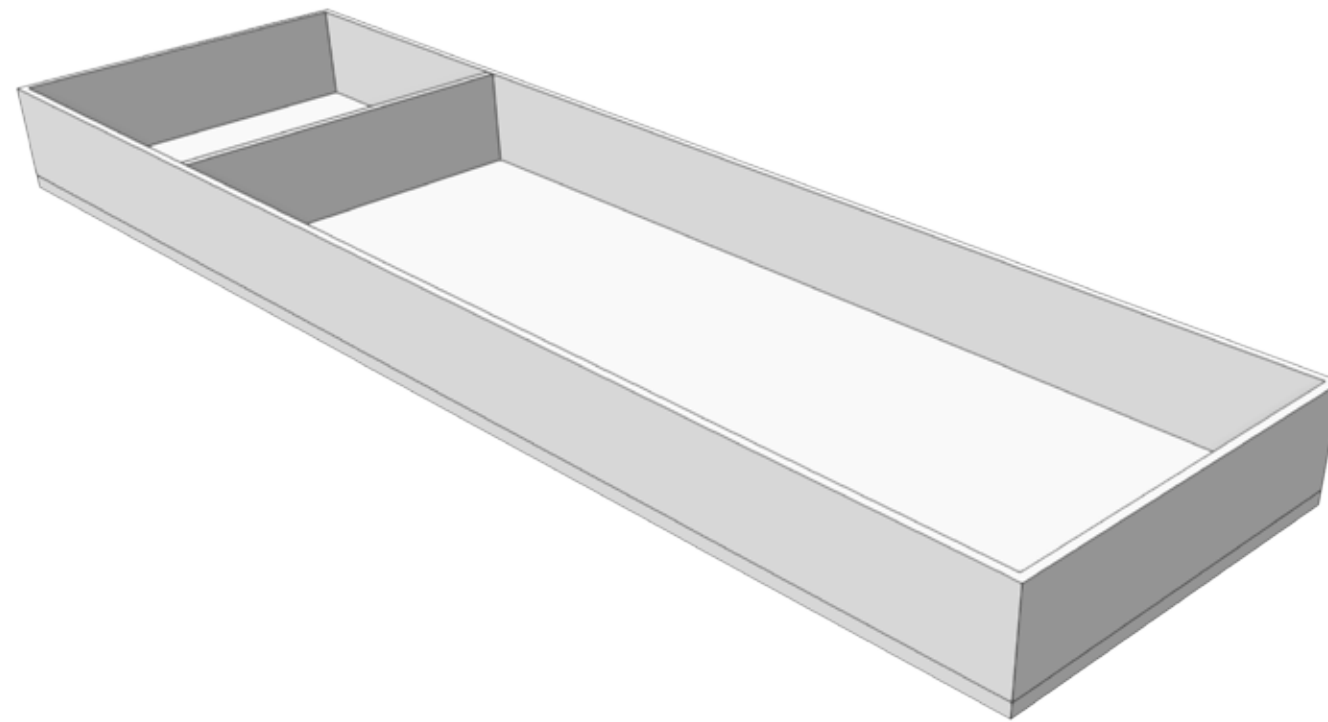
1. Obergeschoss

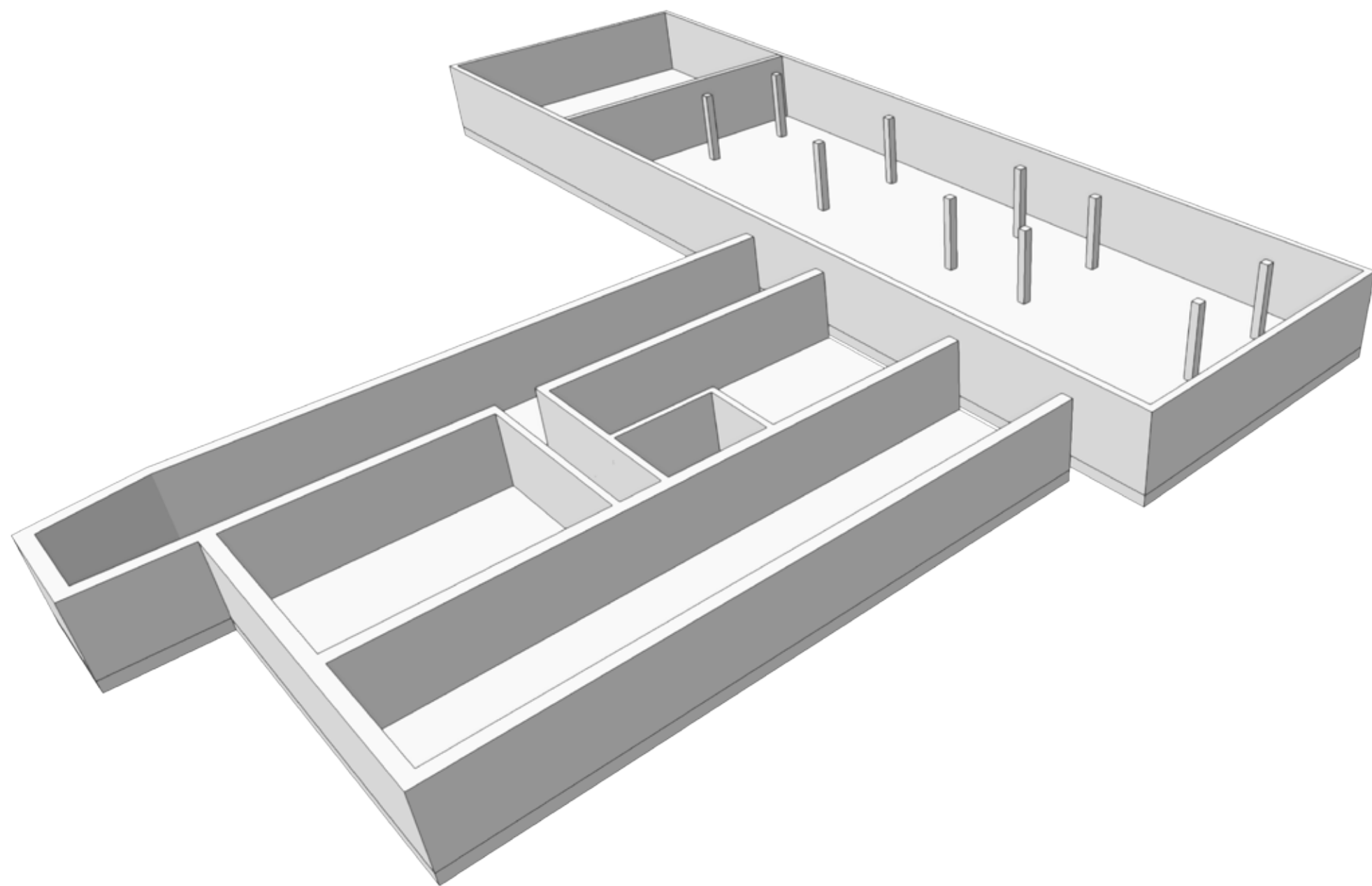


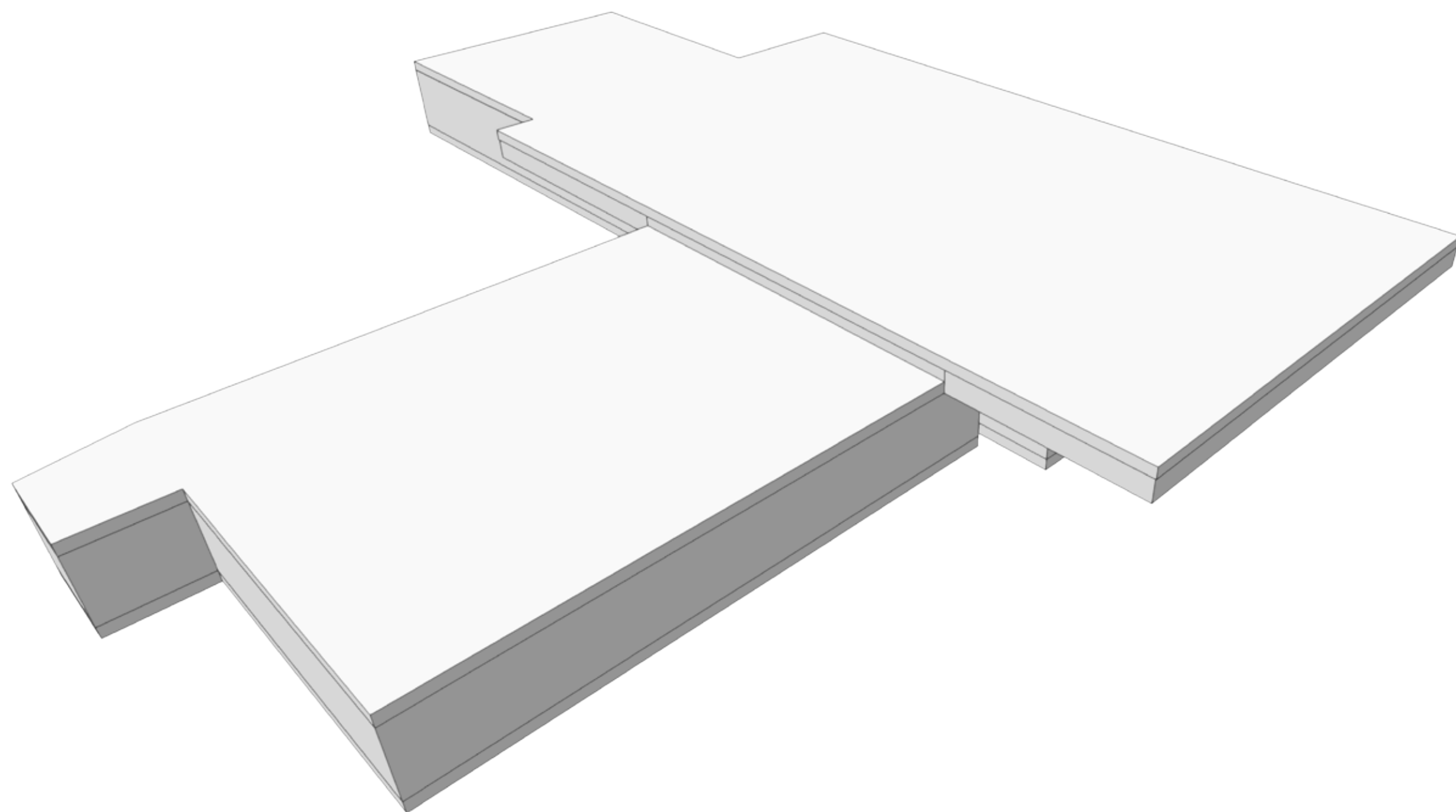
Erdgeschoss

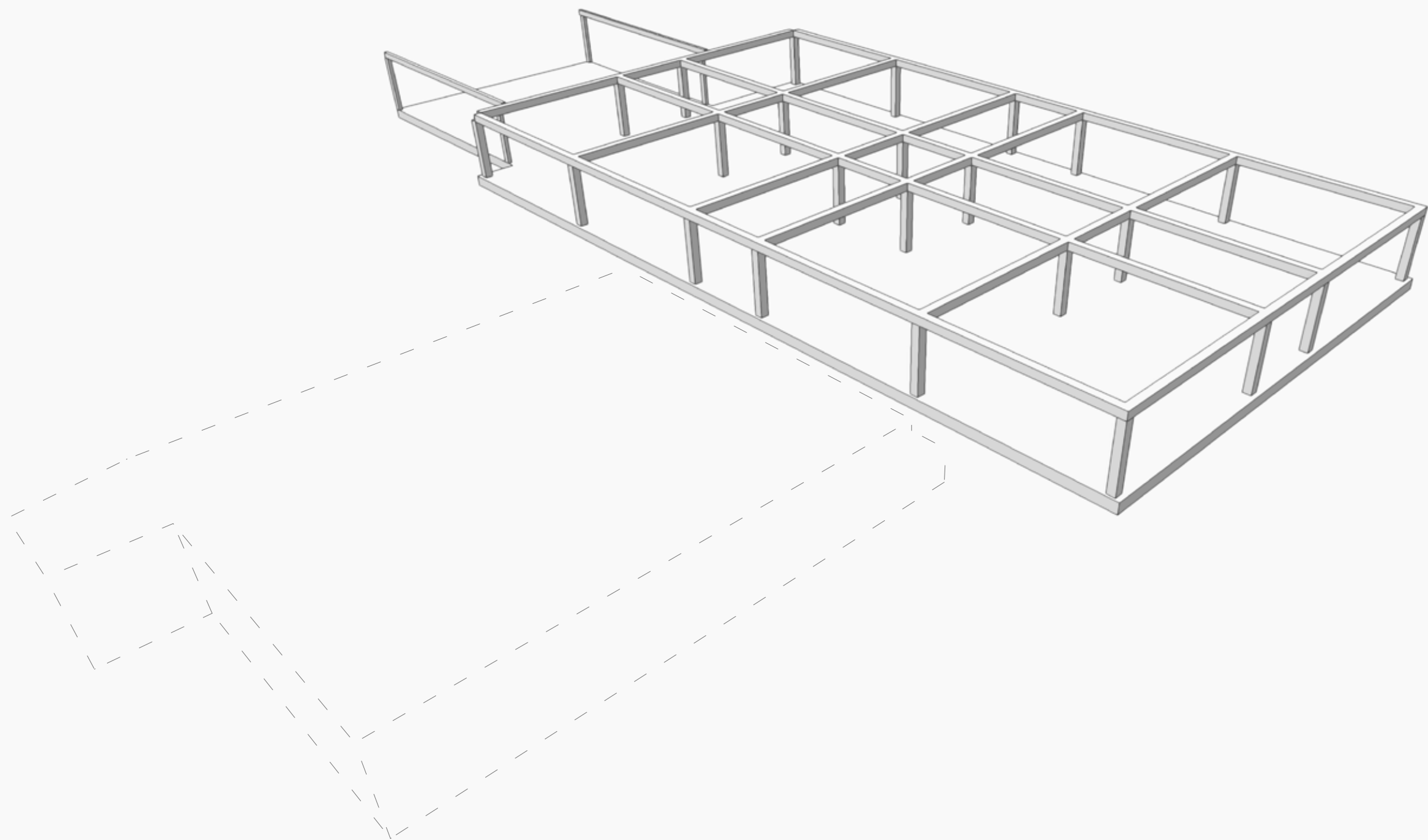


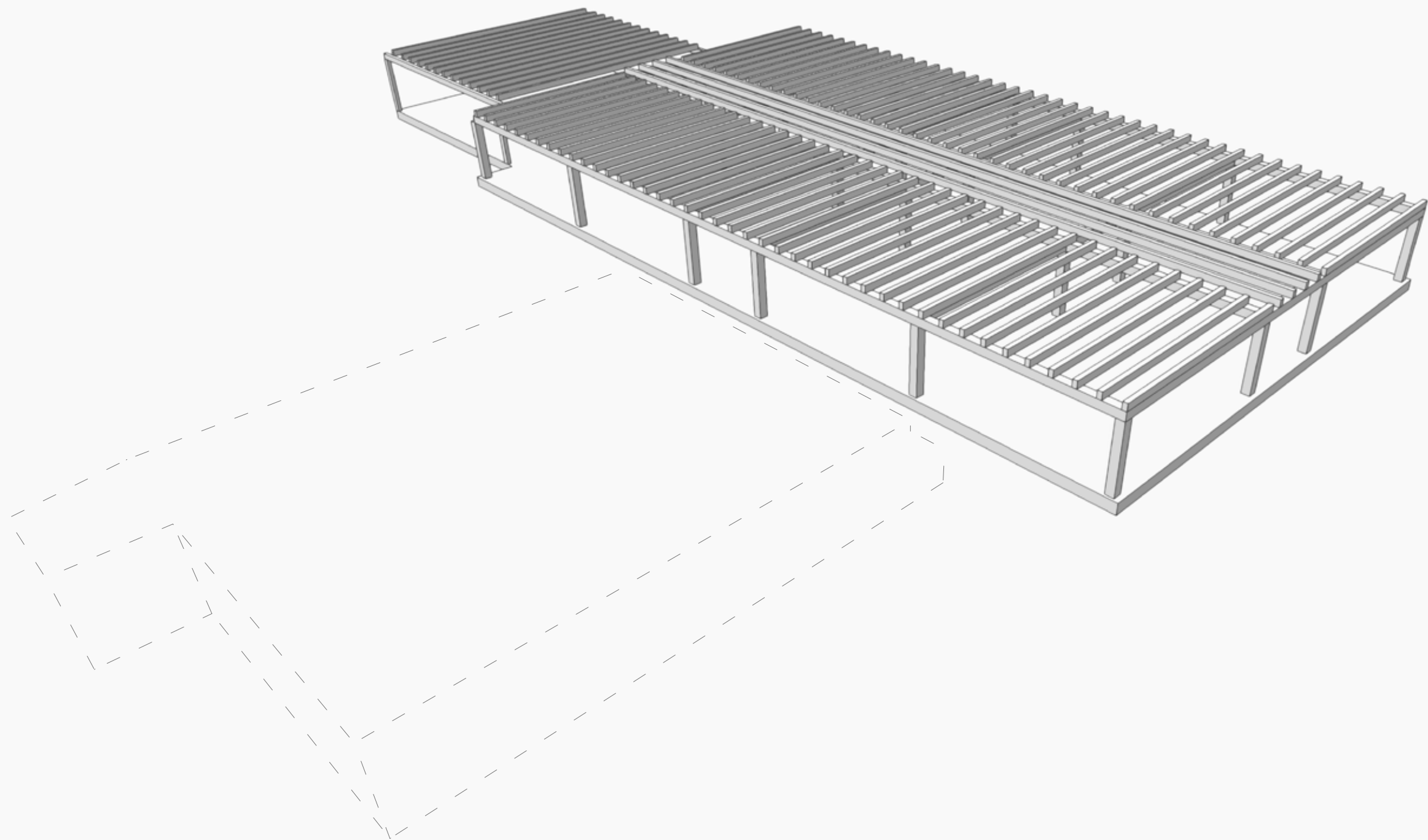


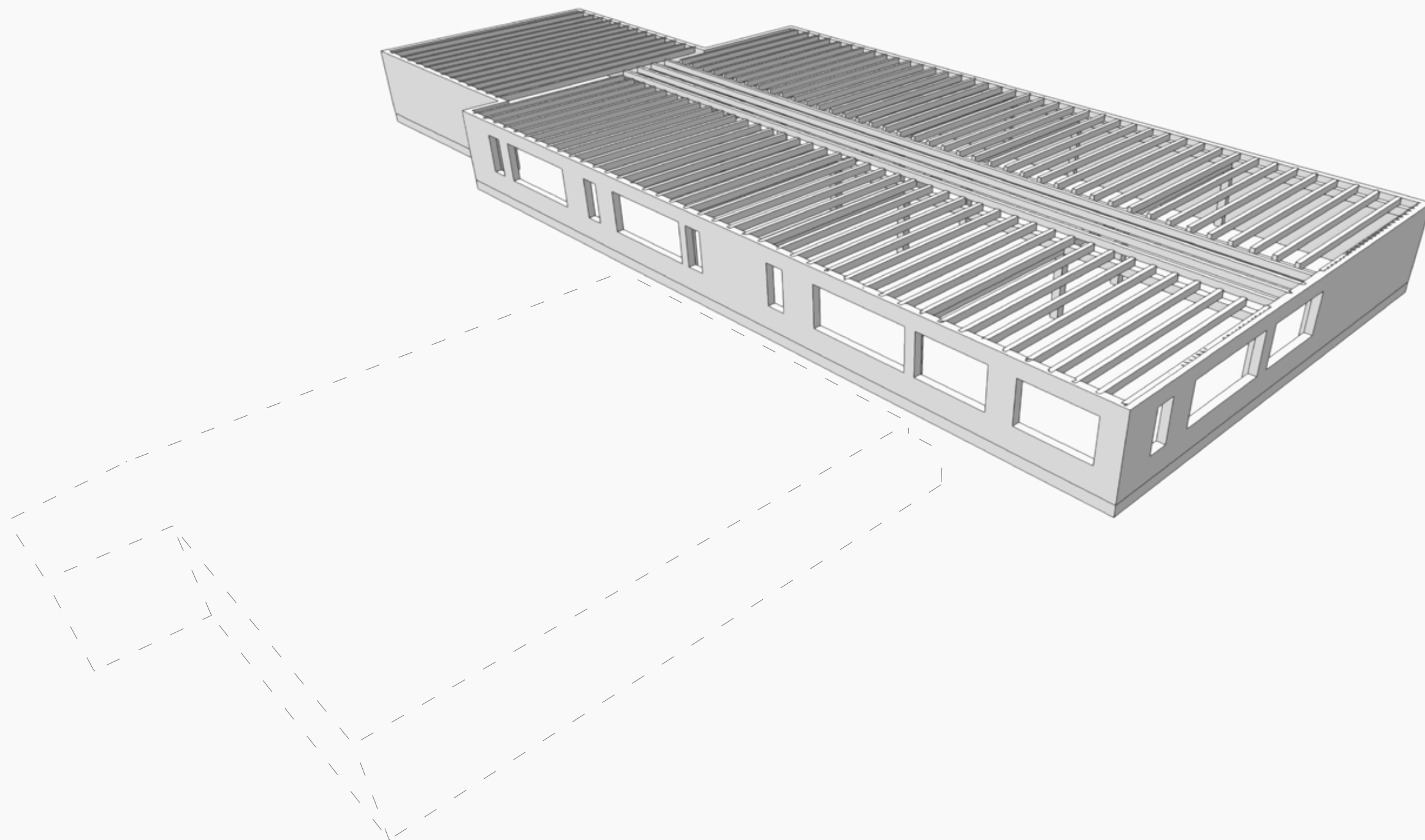


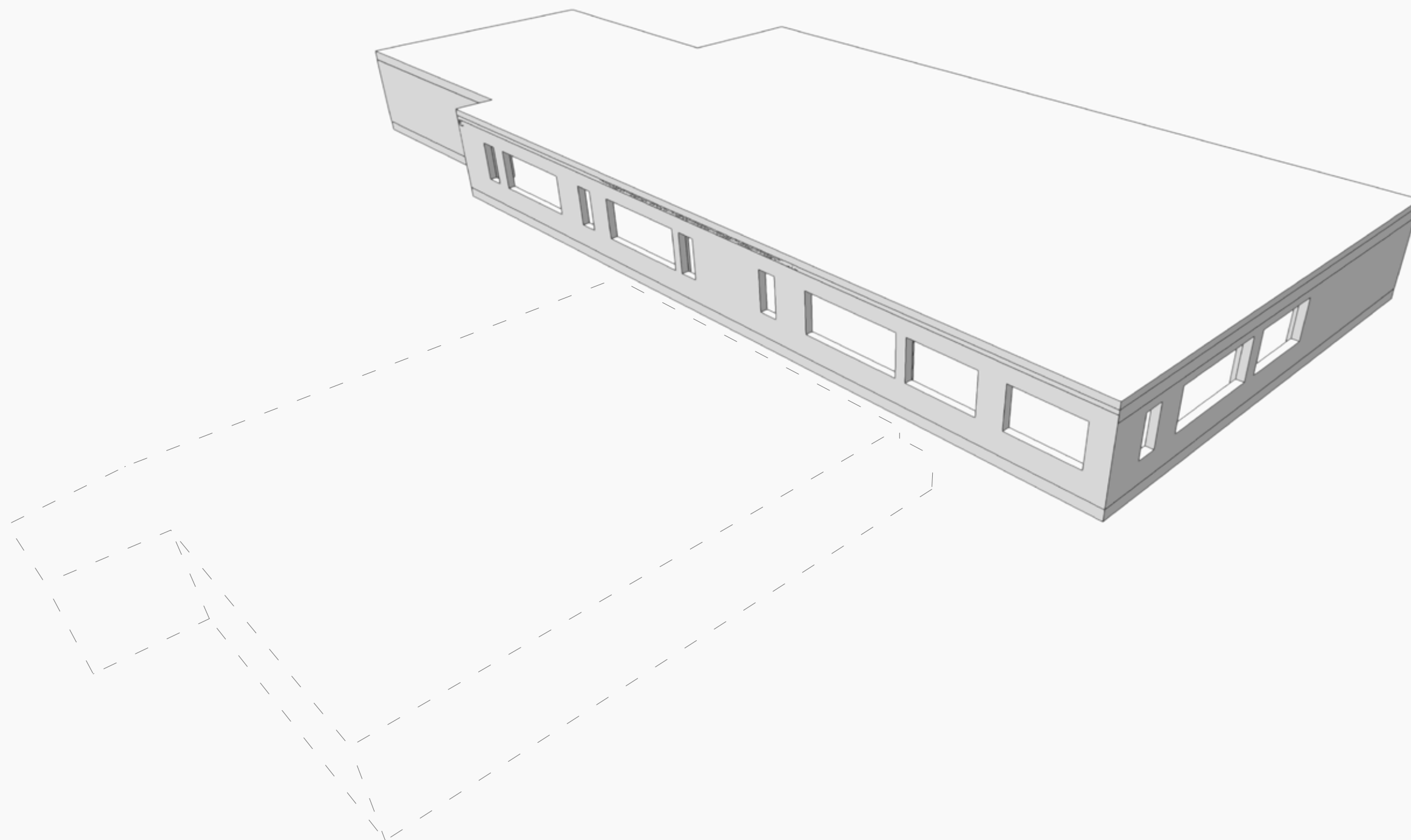


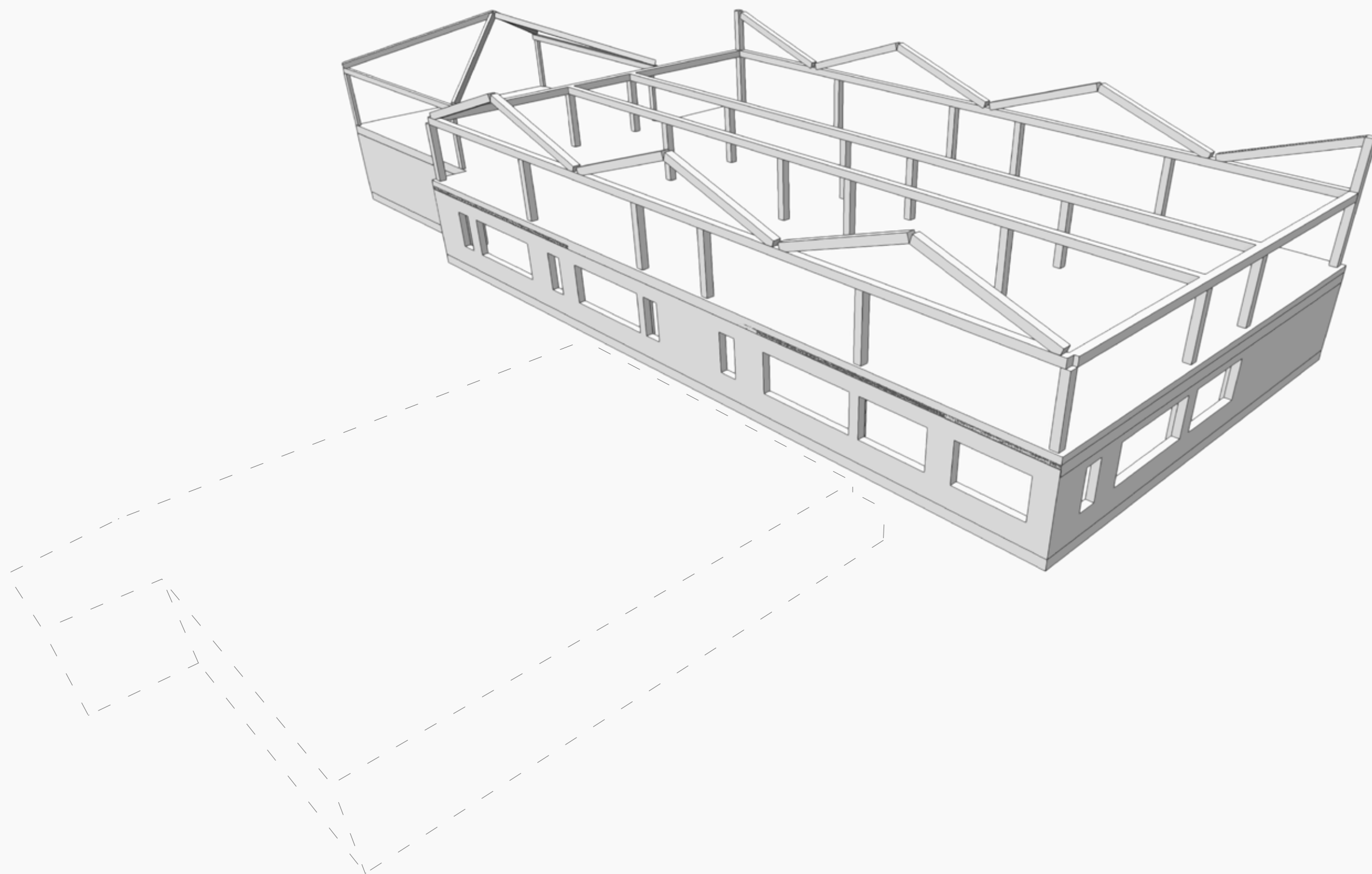


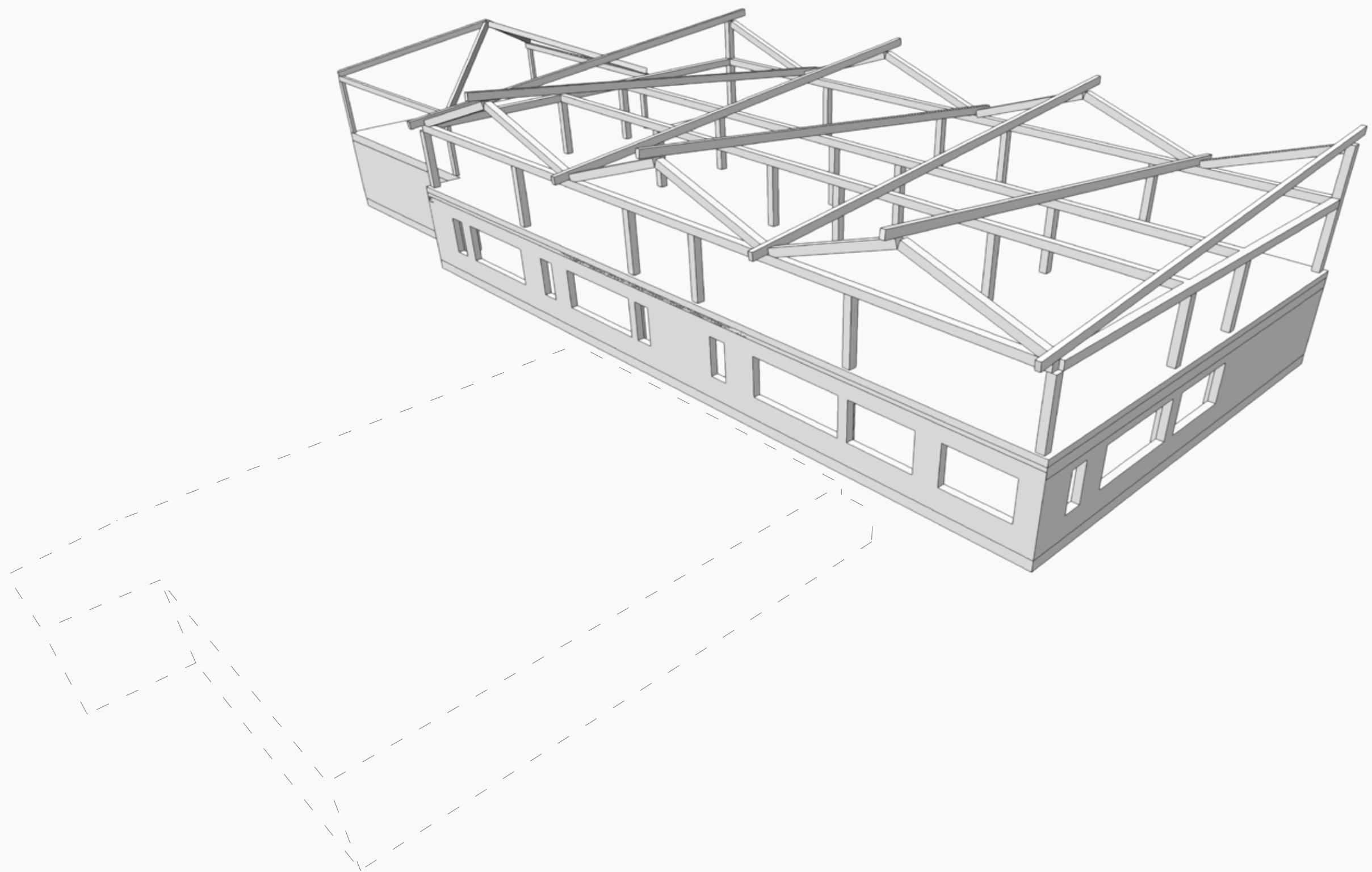


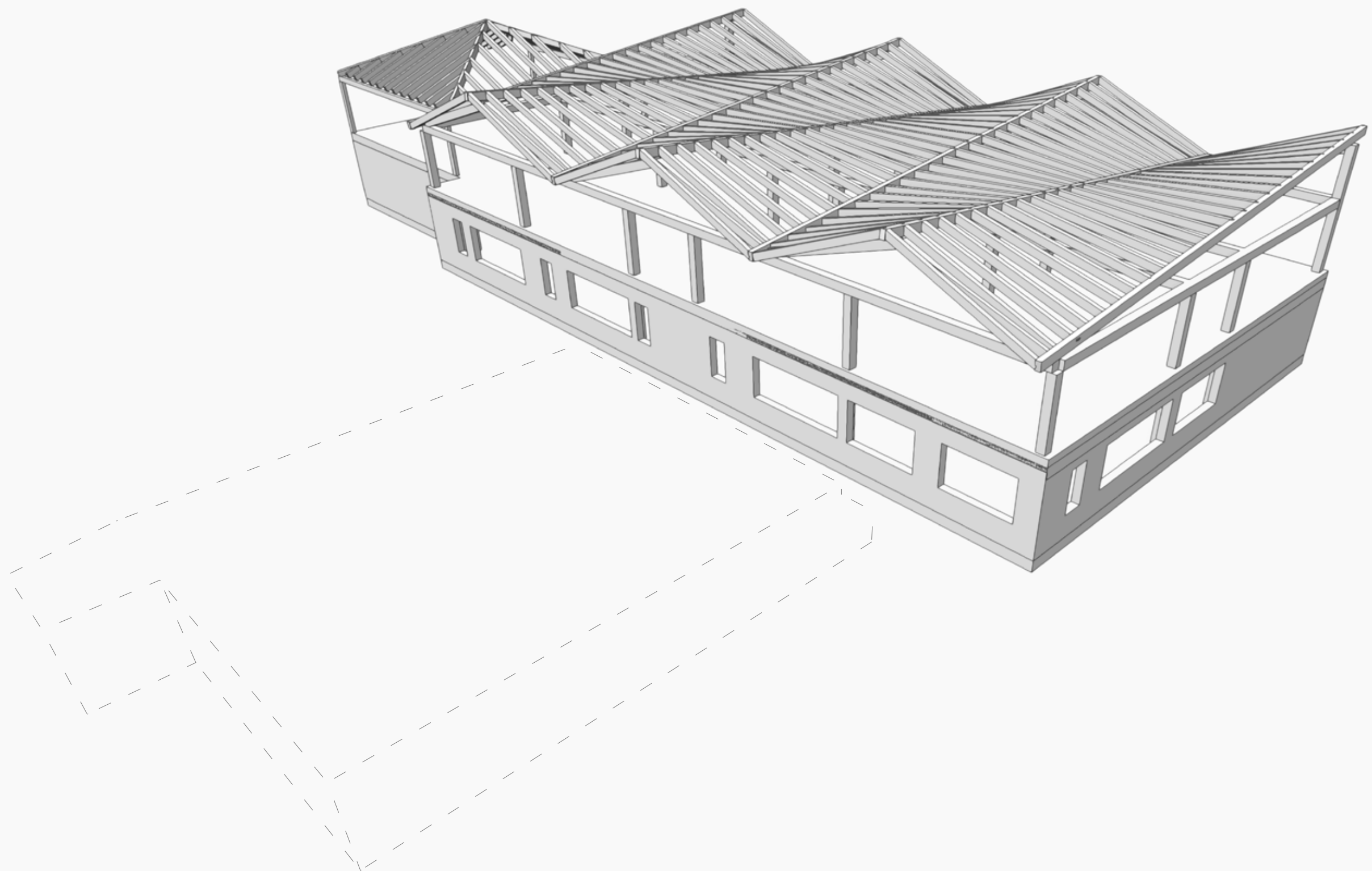


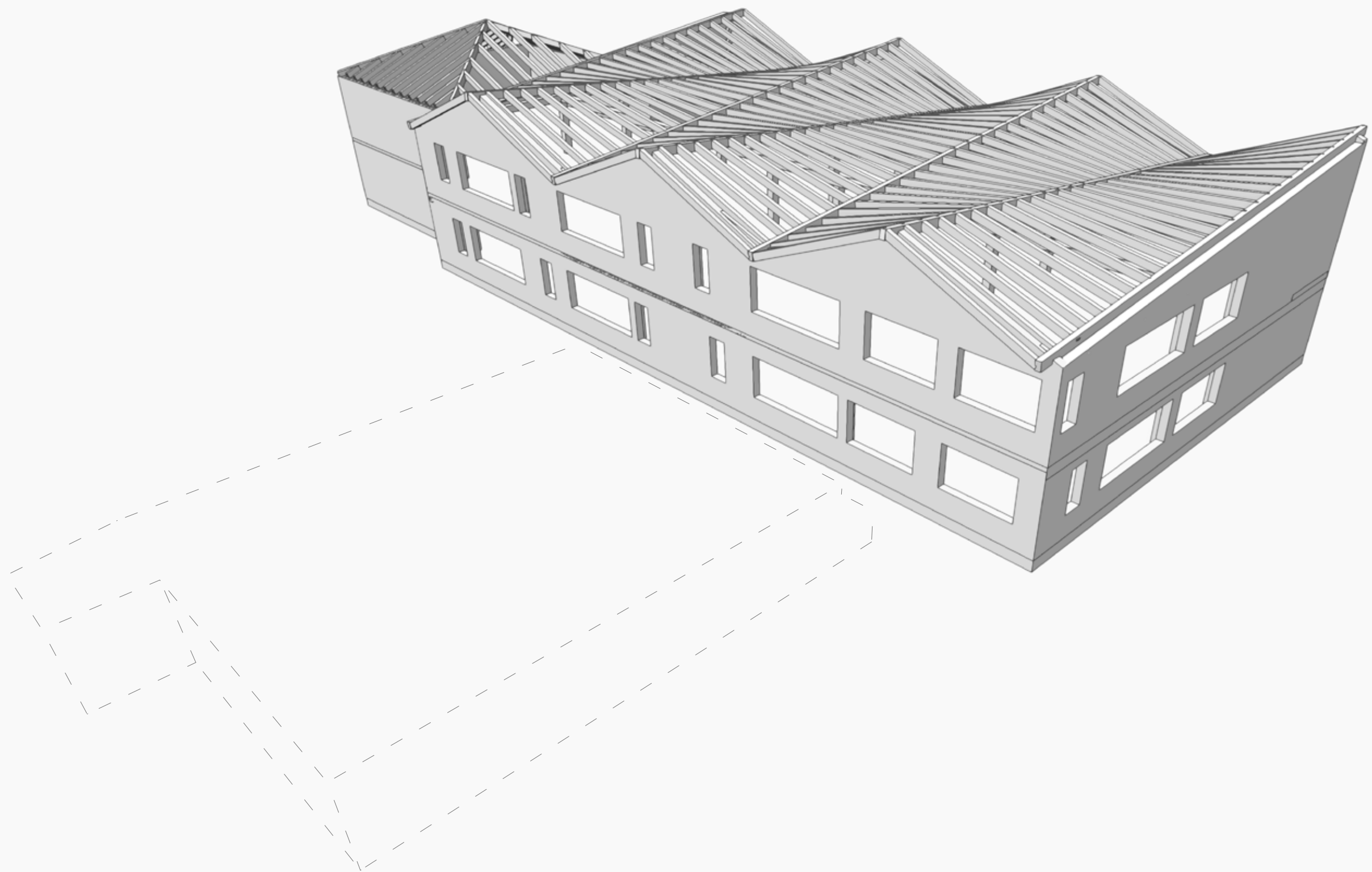


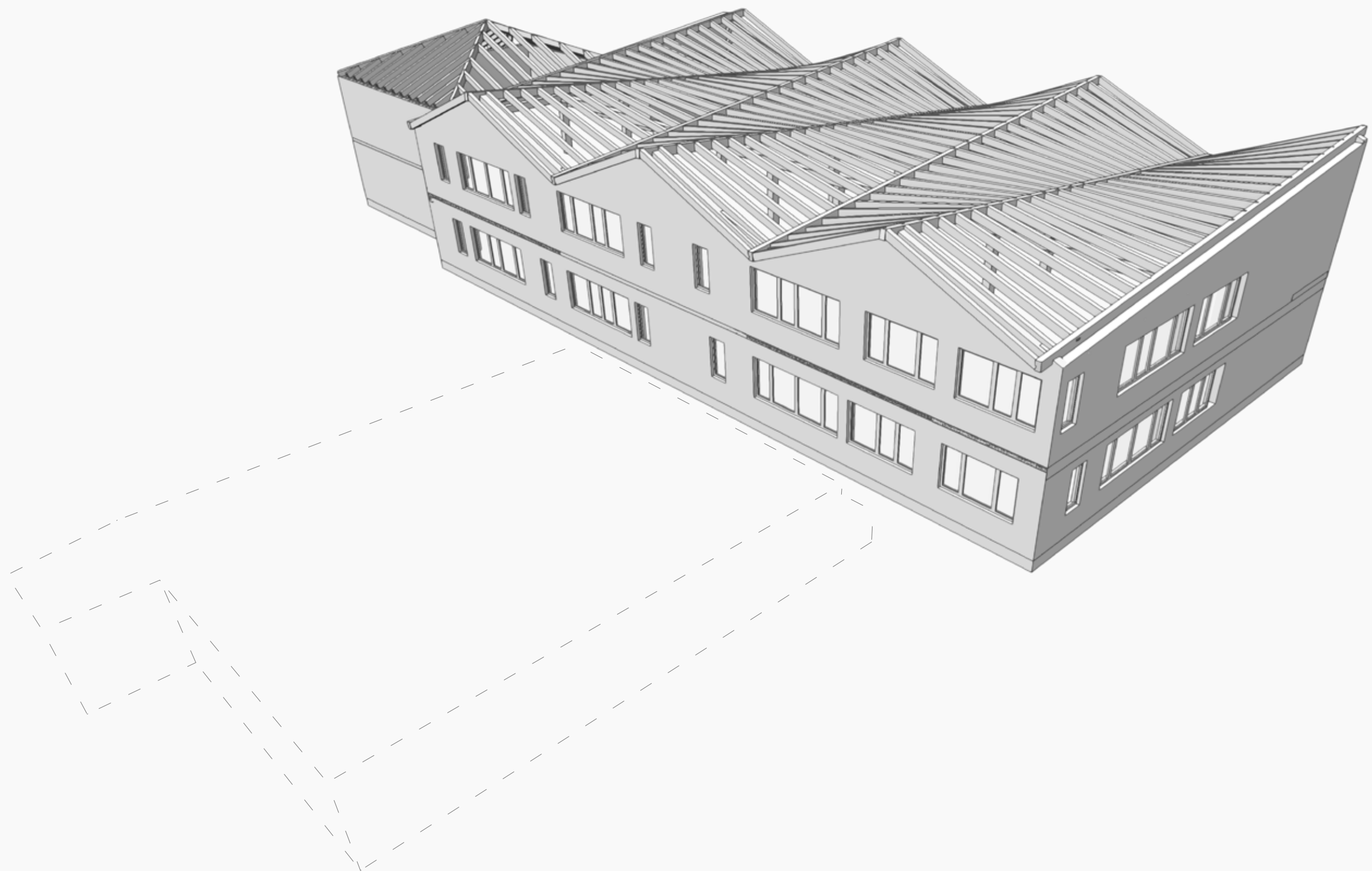


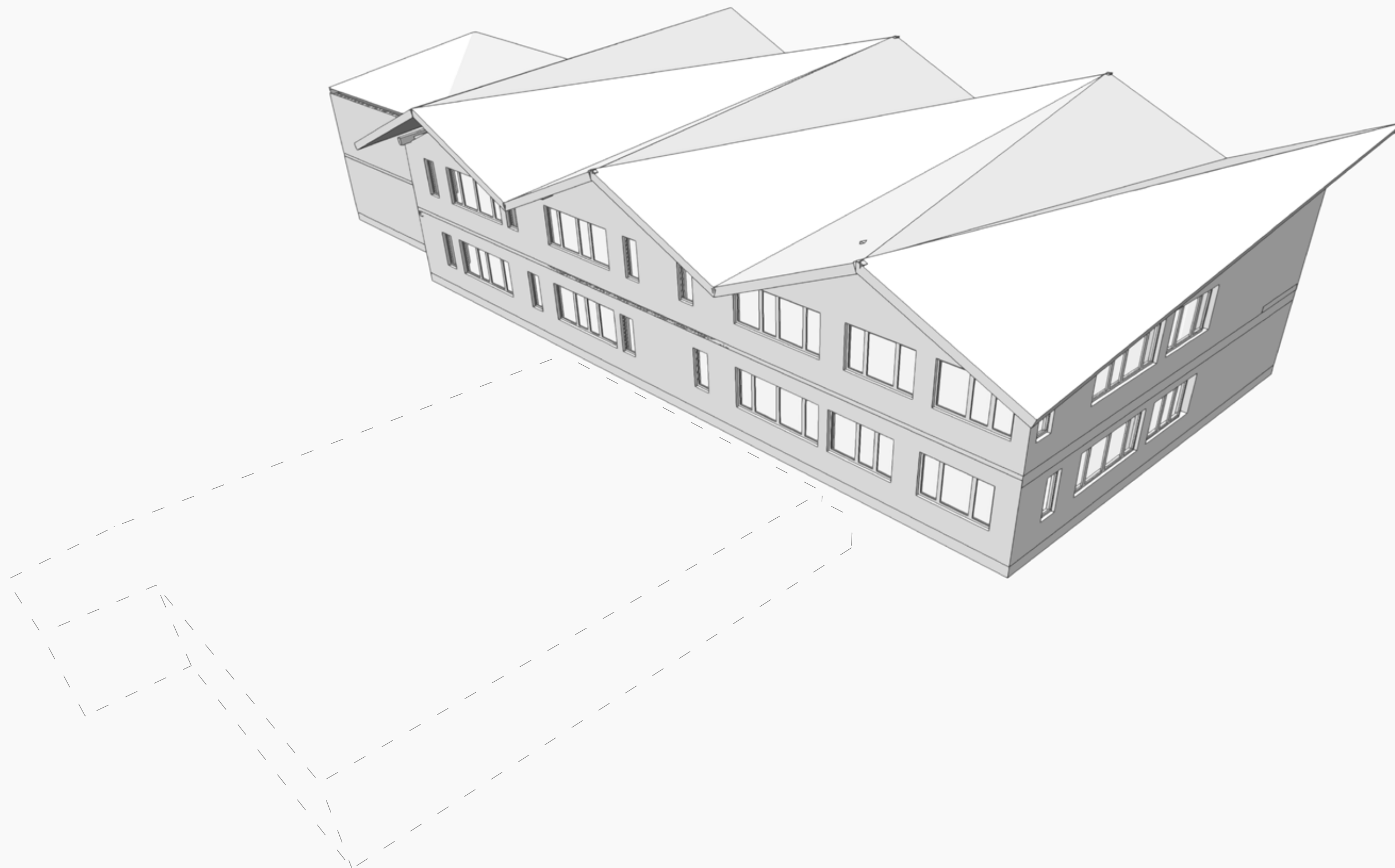


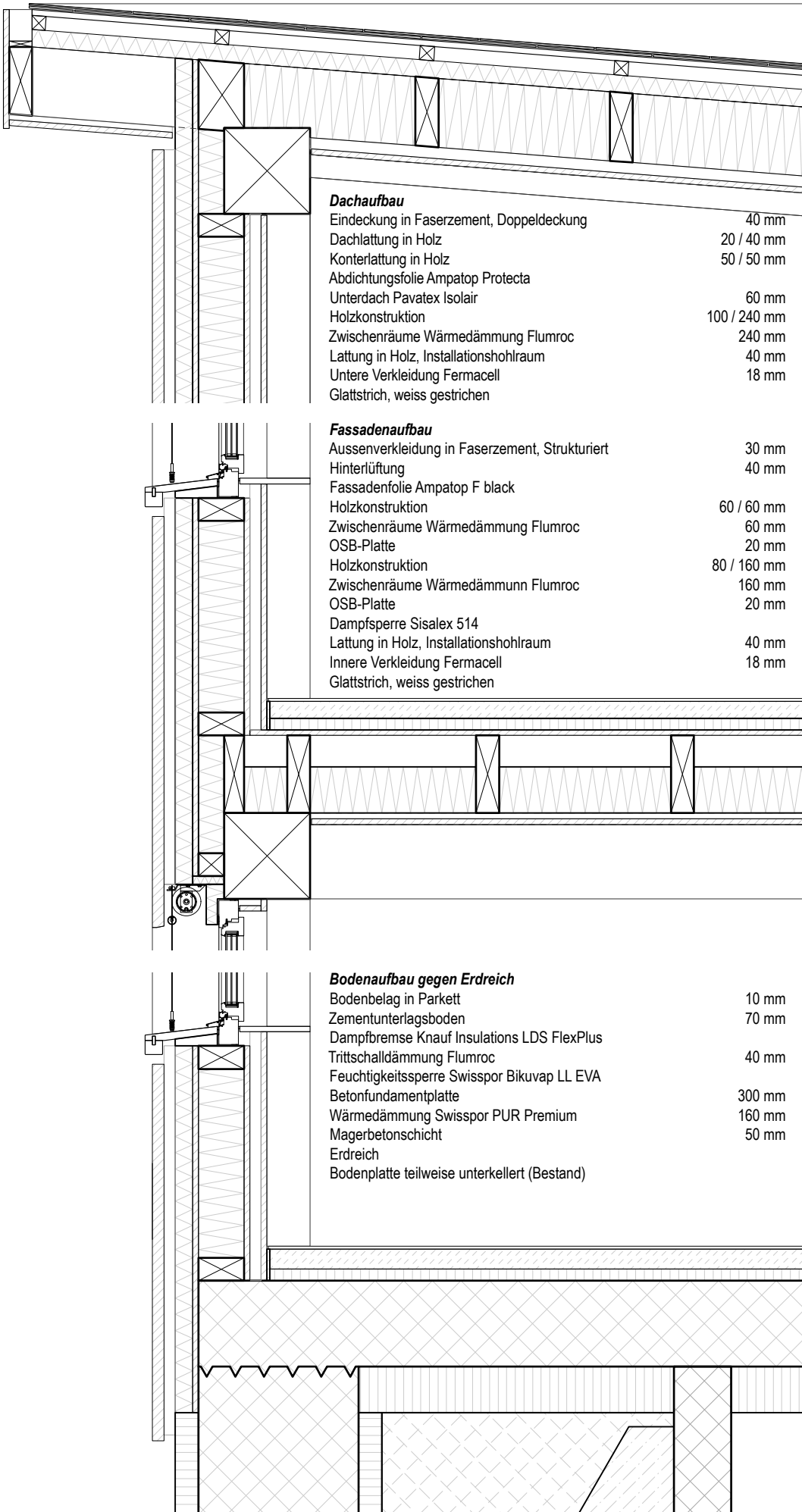






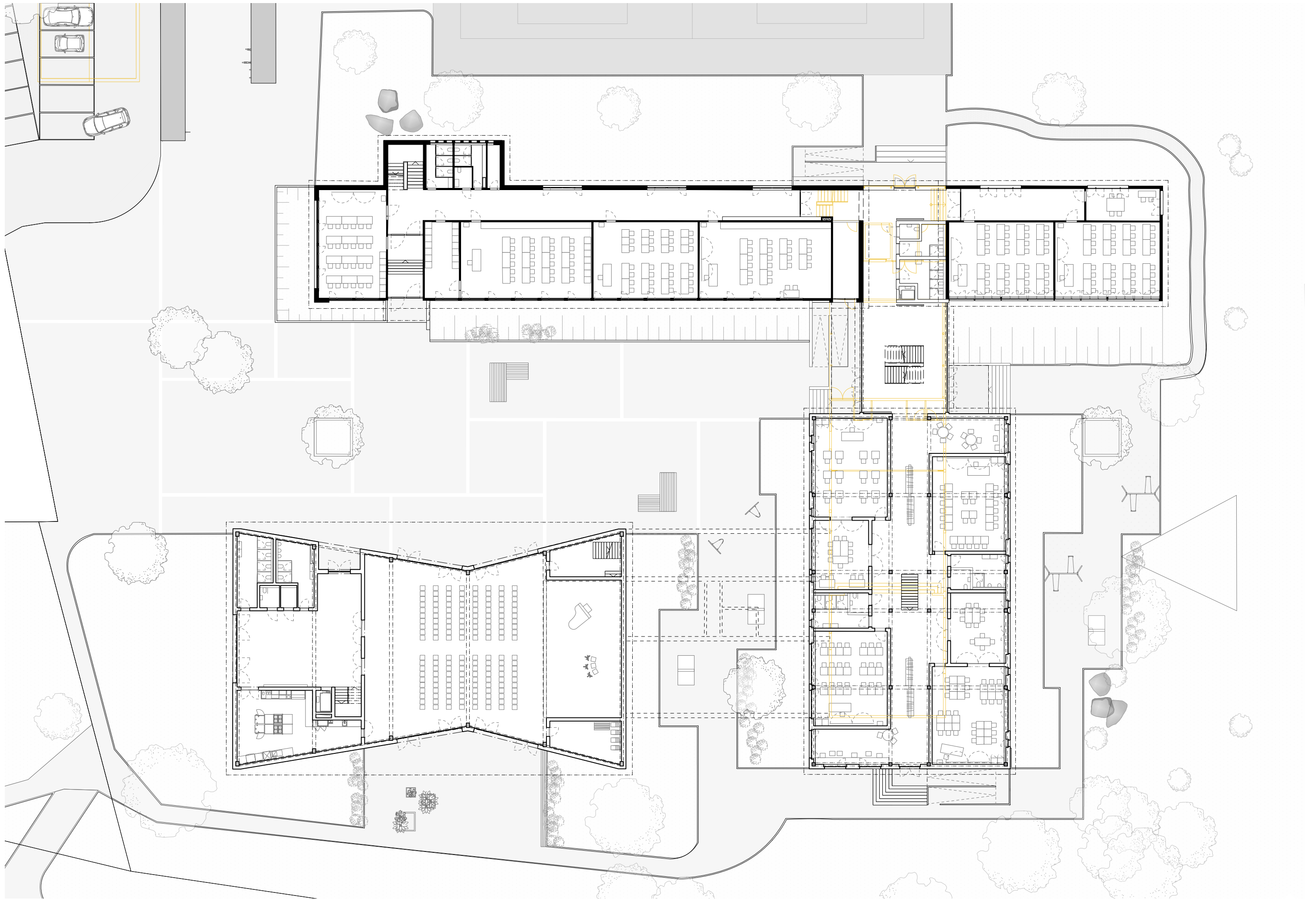


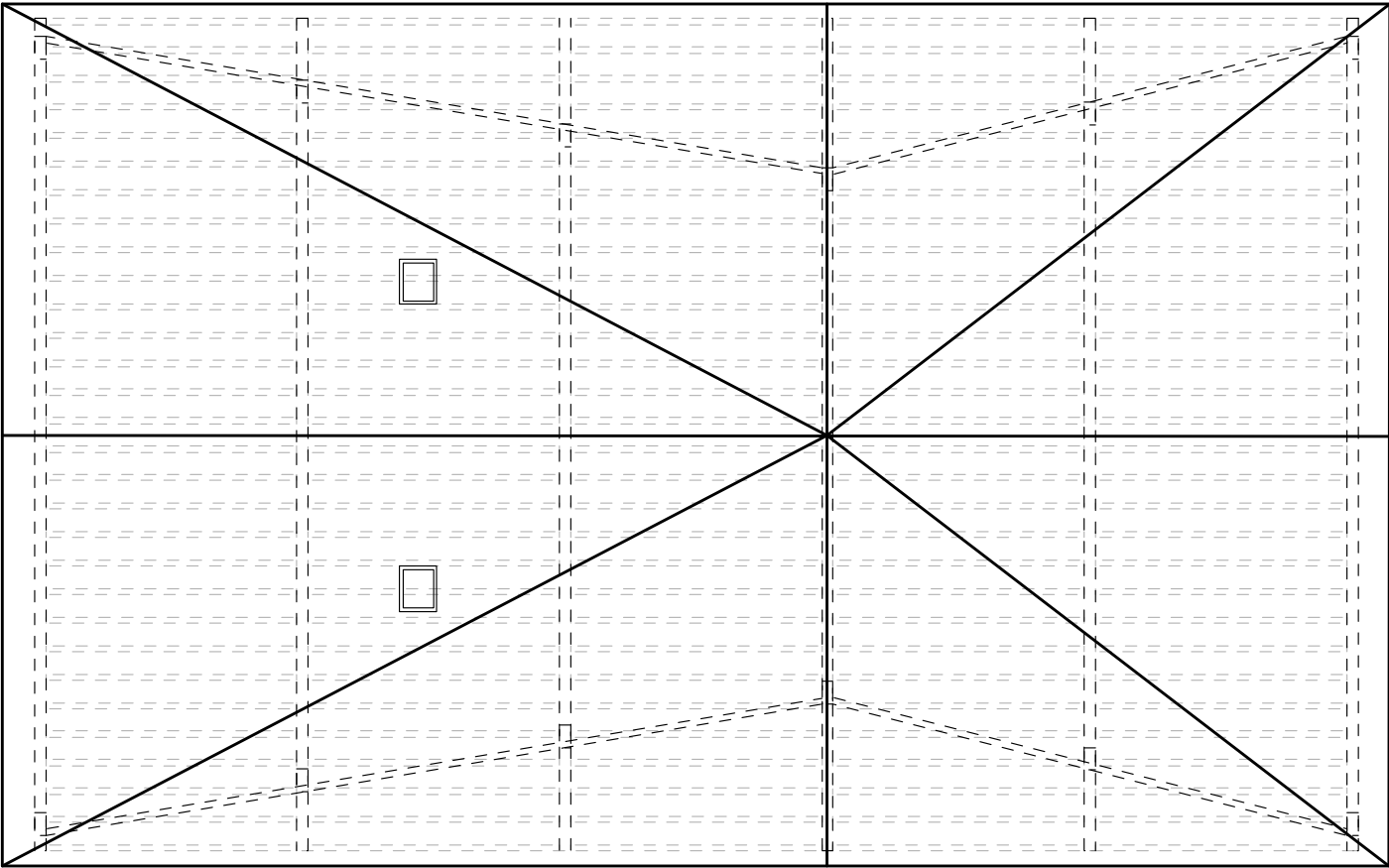




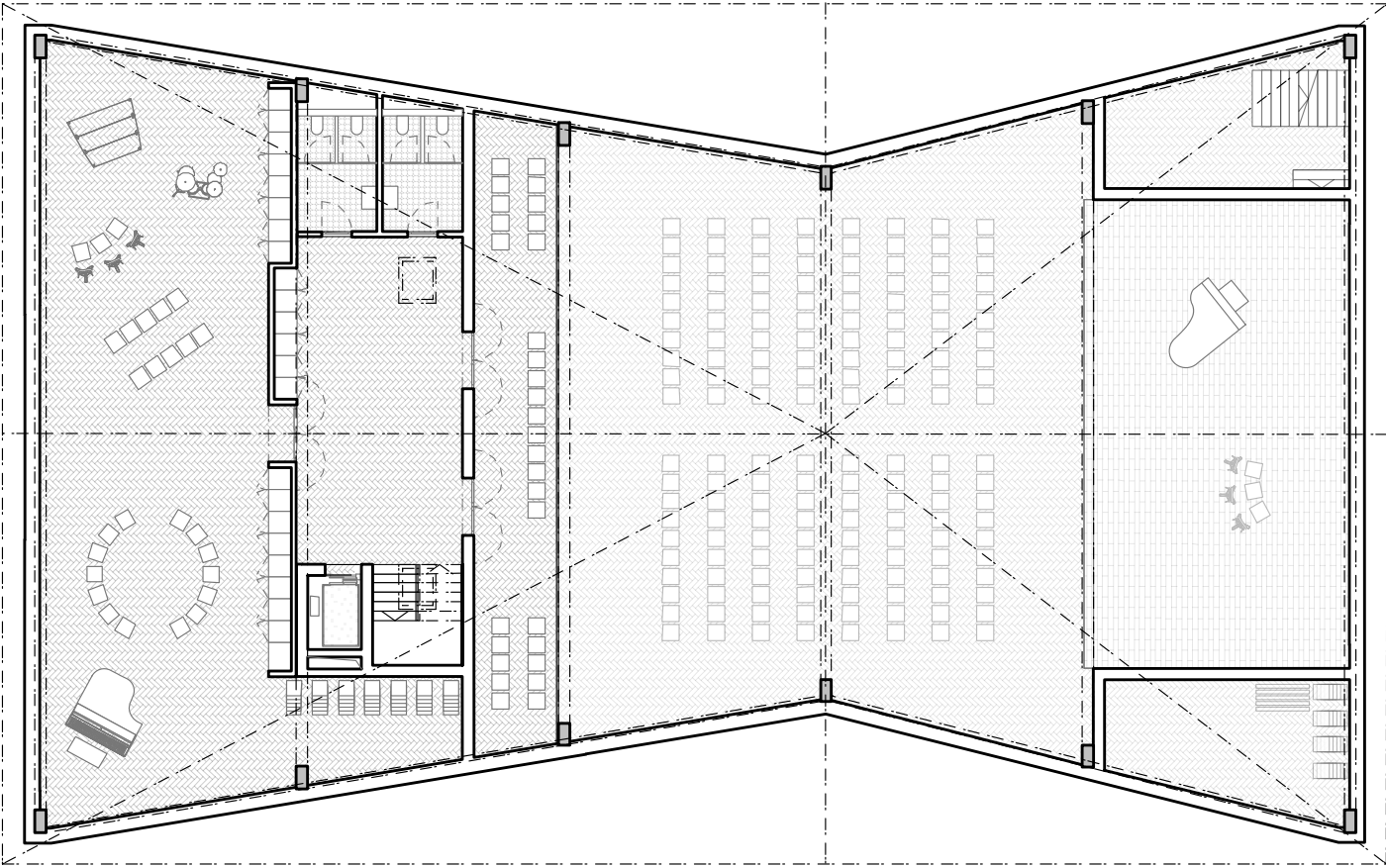
Mst. 1:20



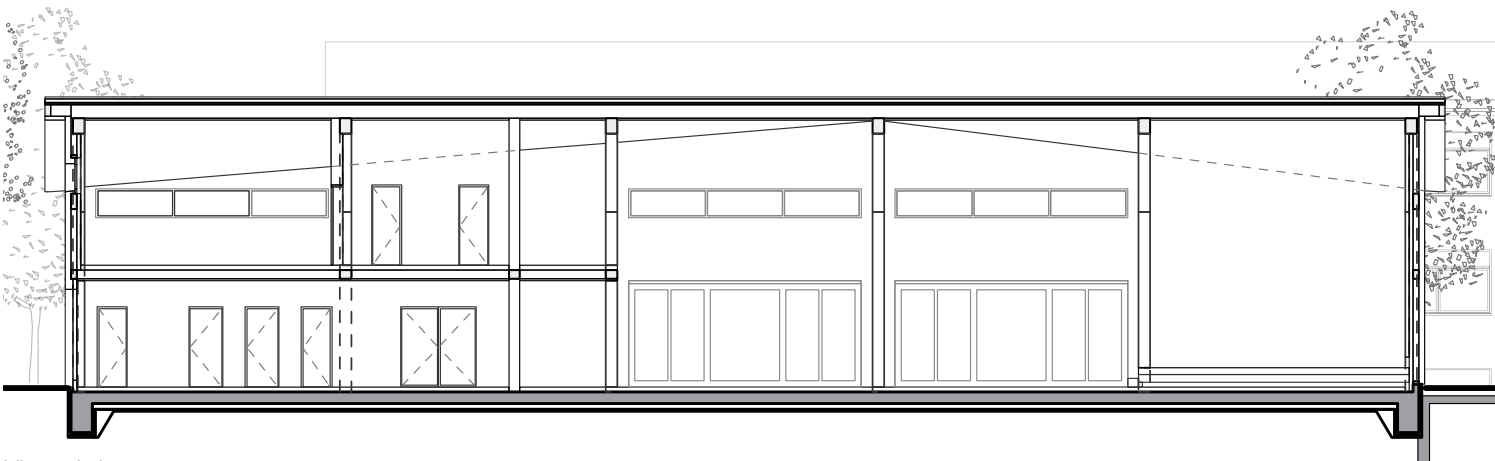




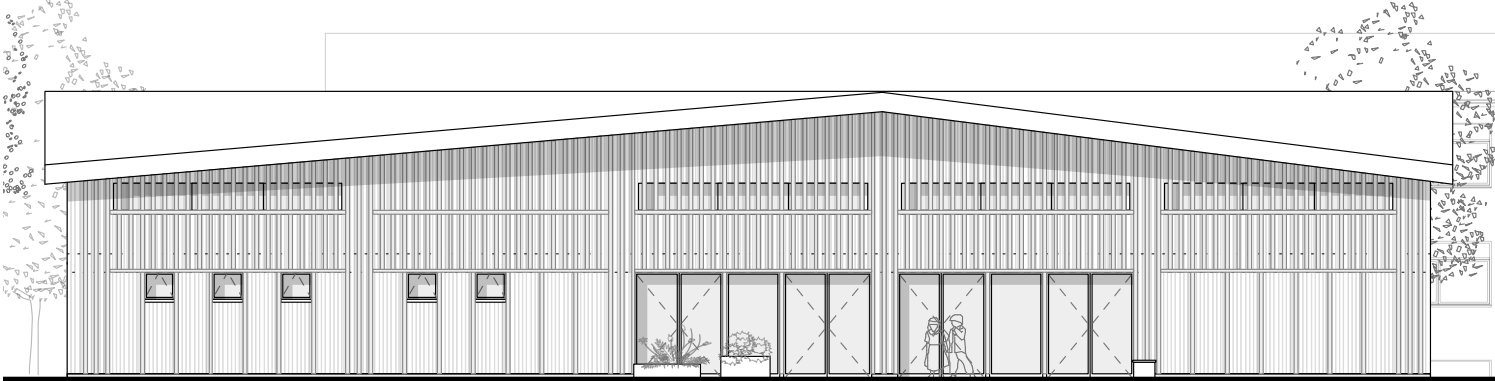
Dachaufsicht



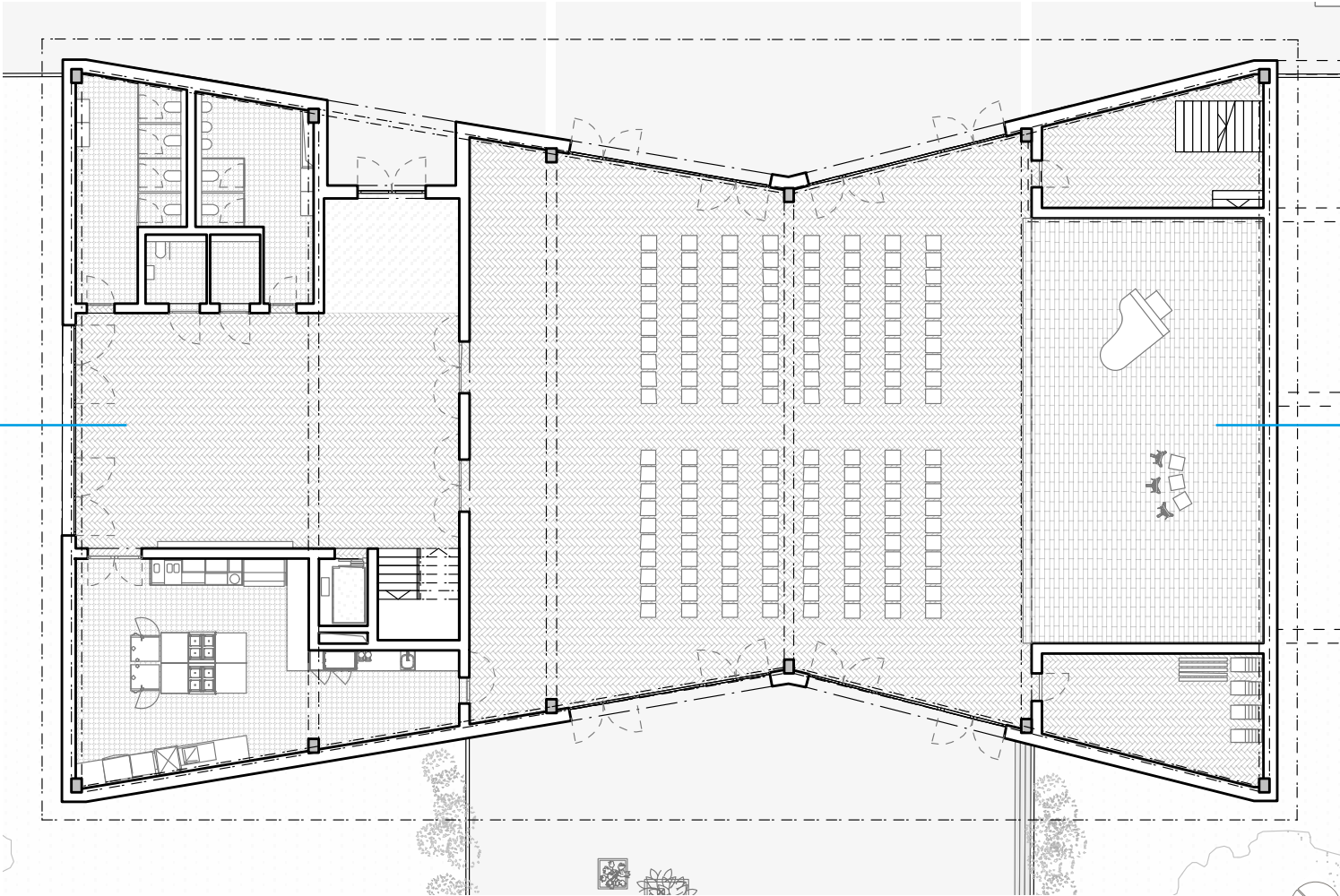
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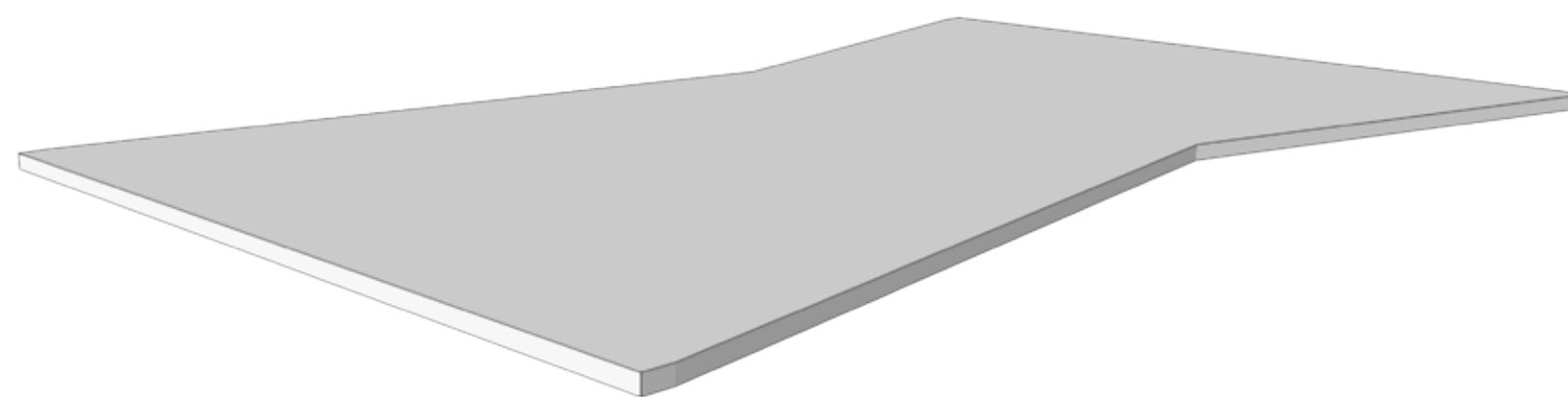
Längsschnitt

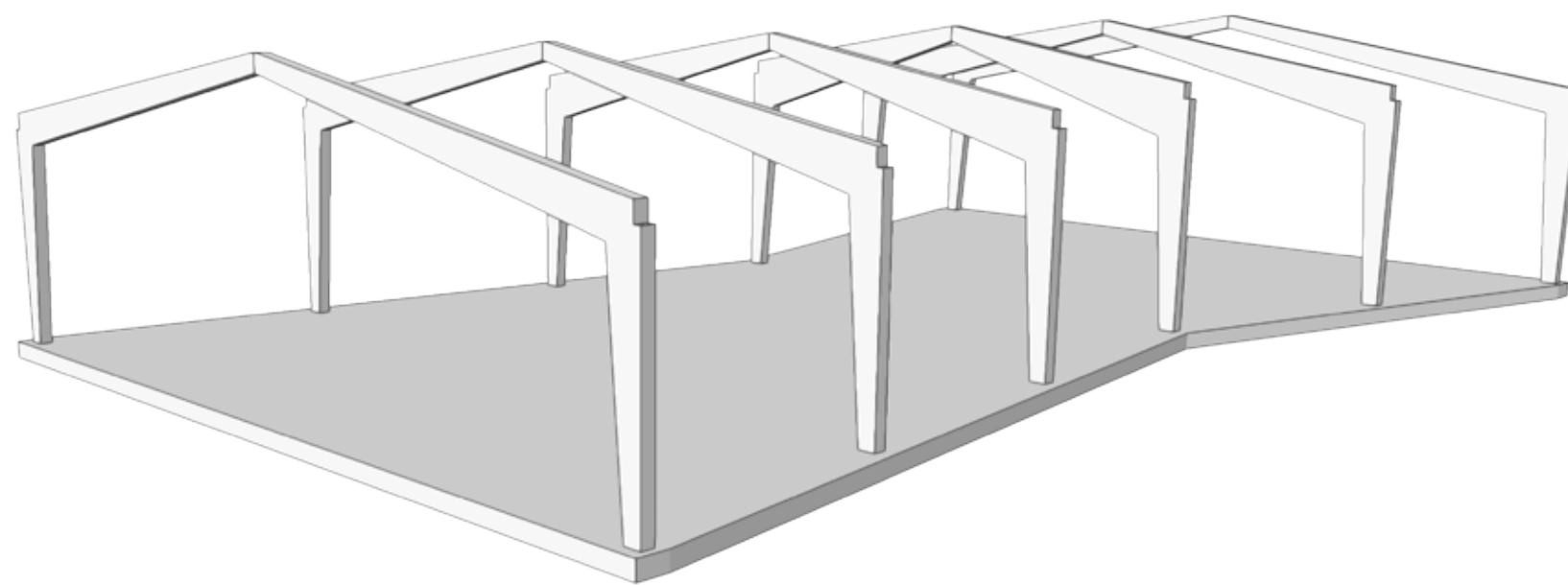


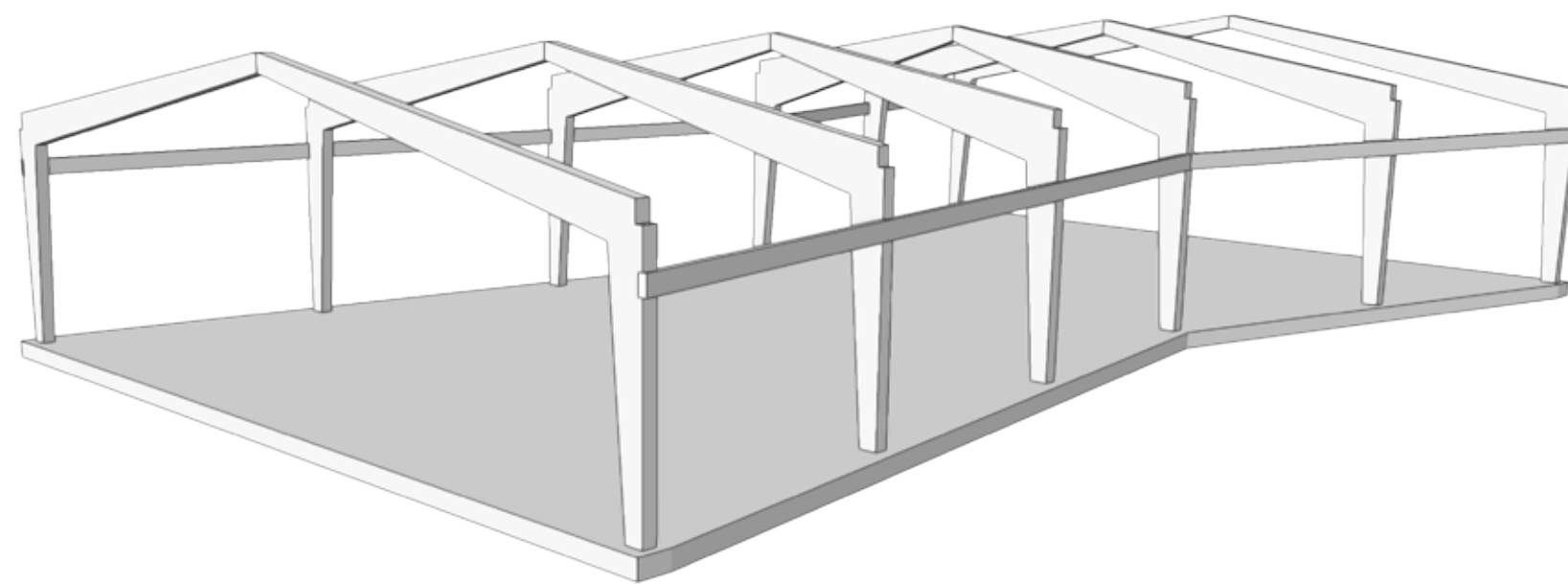
Fassadenansicht

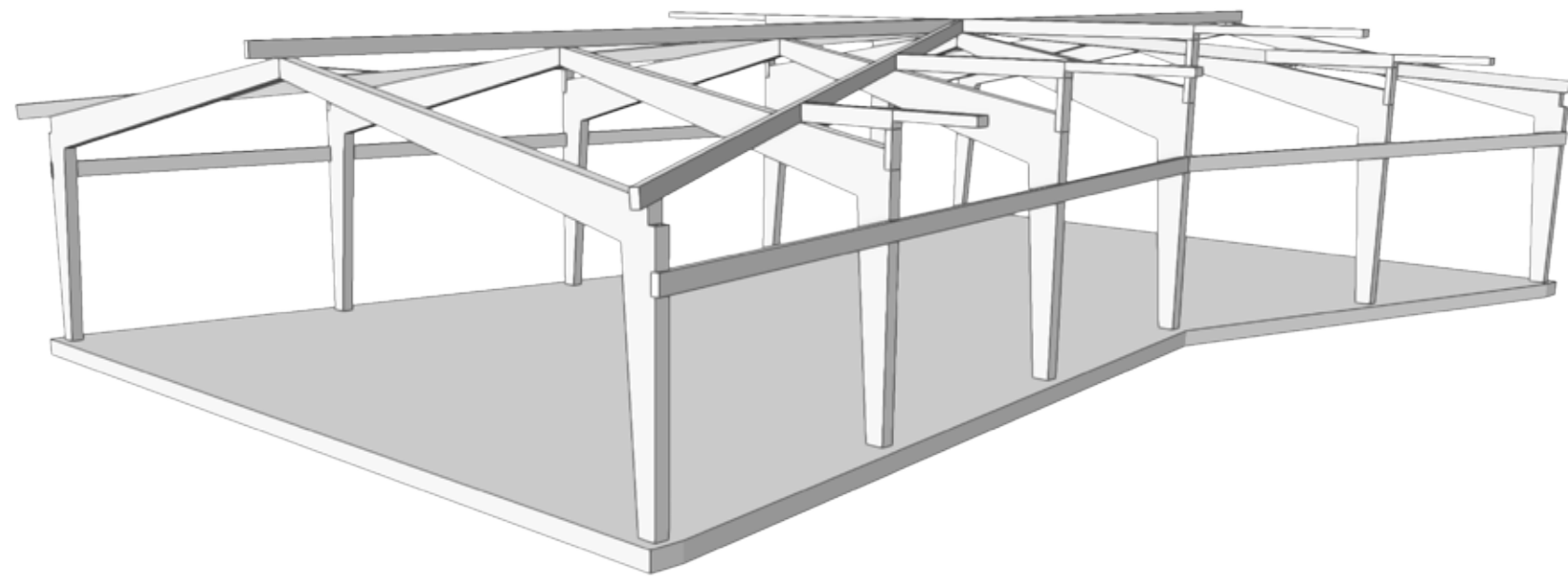


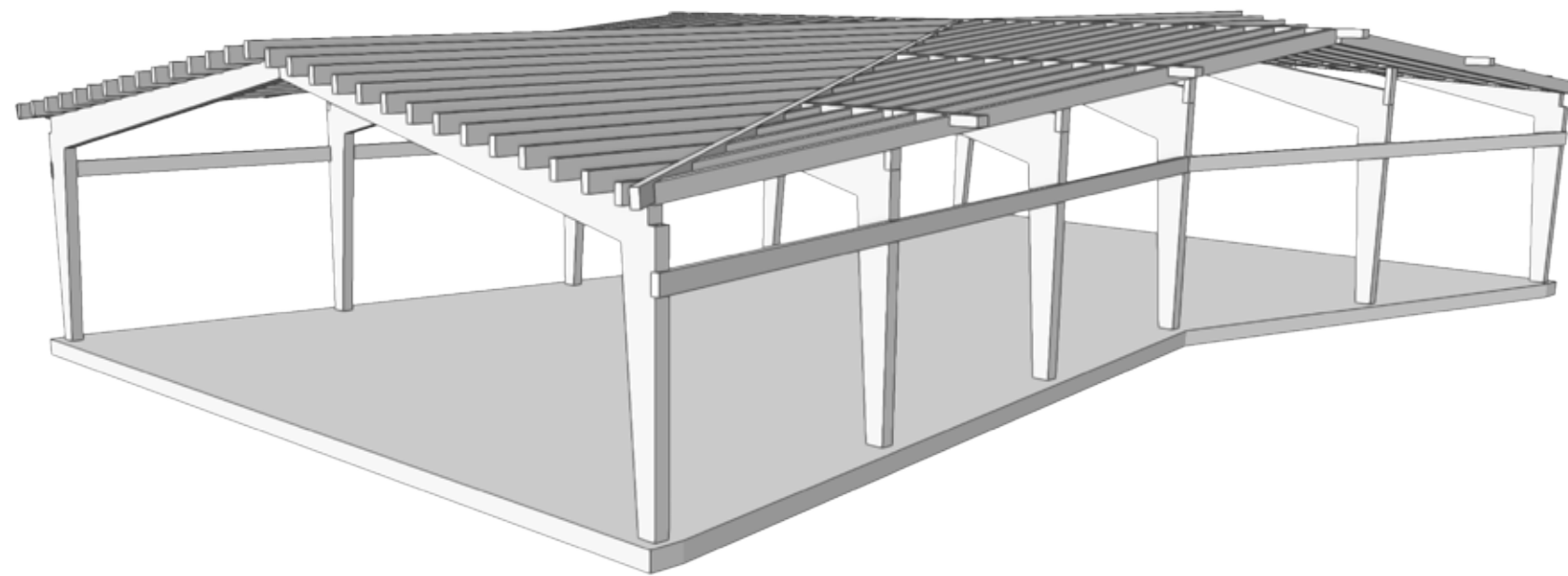
Erdgeschoss

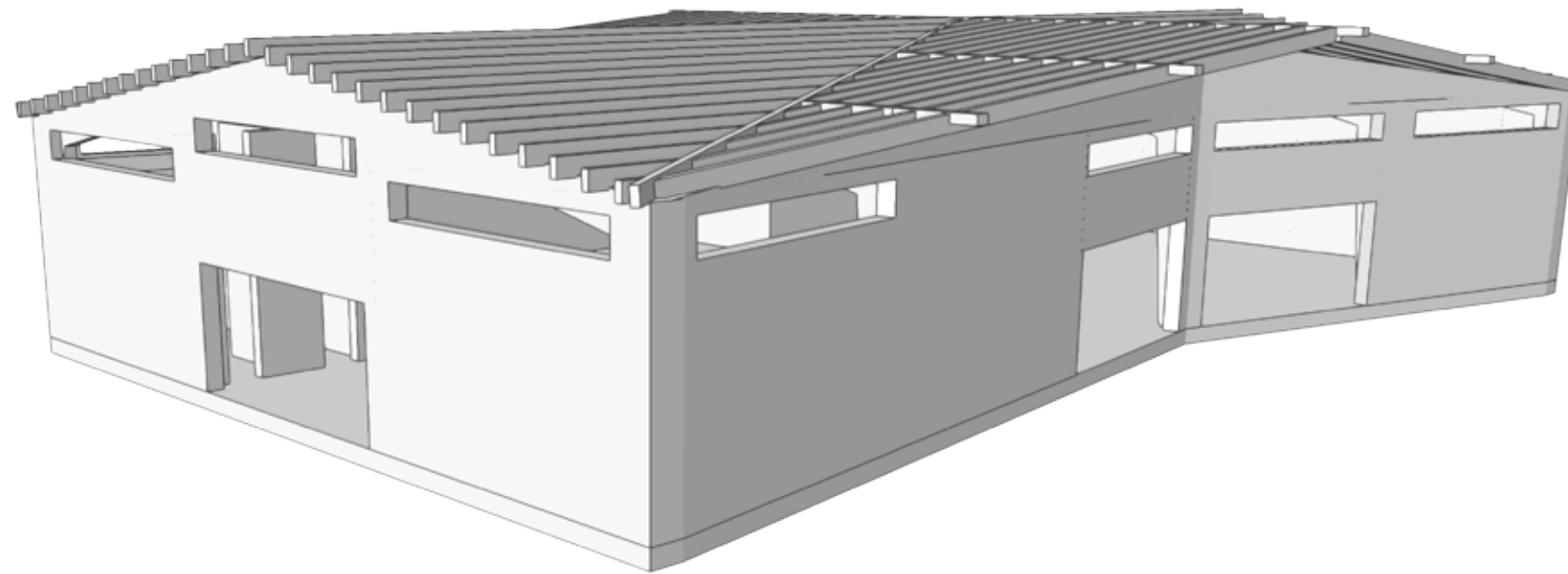


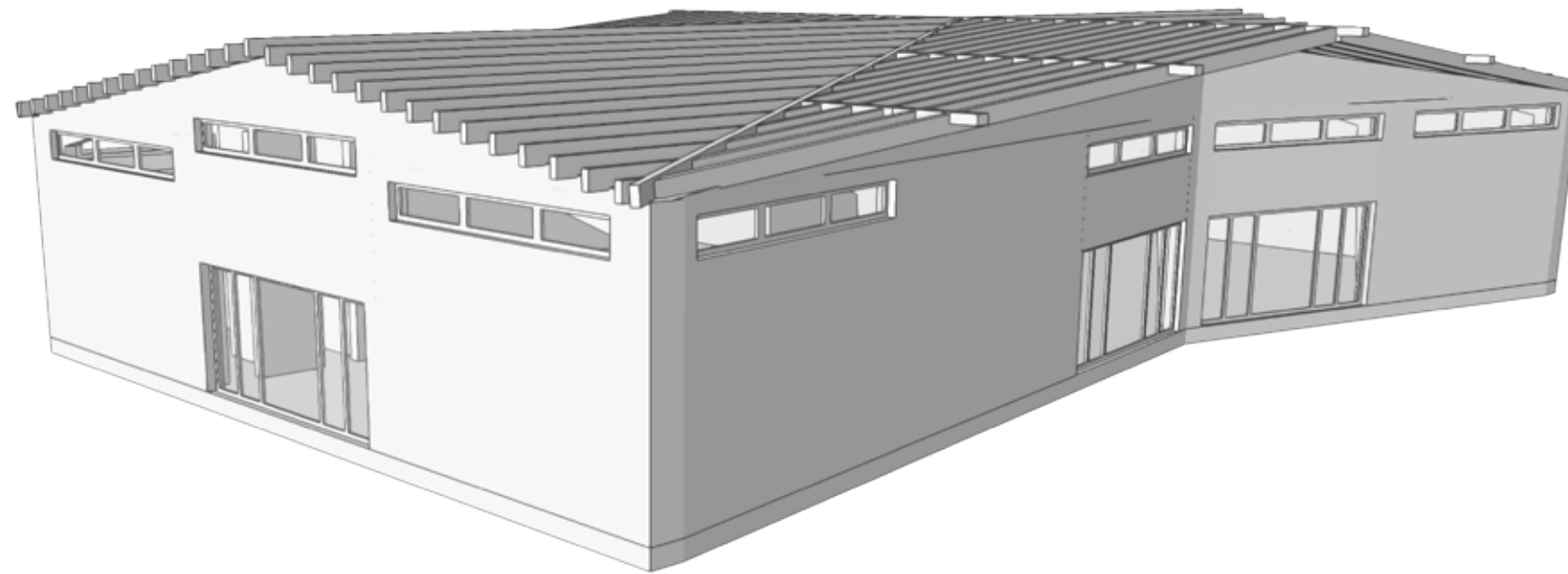


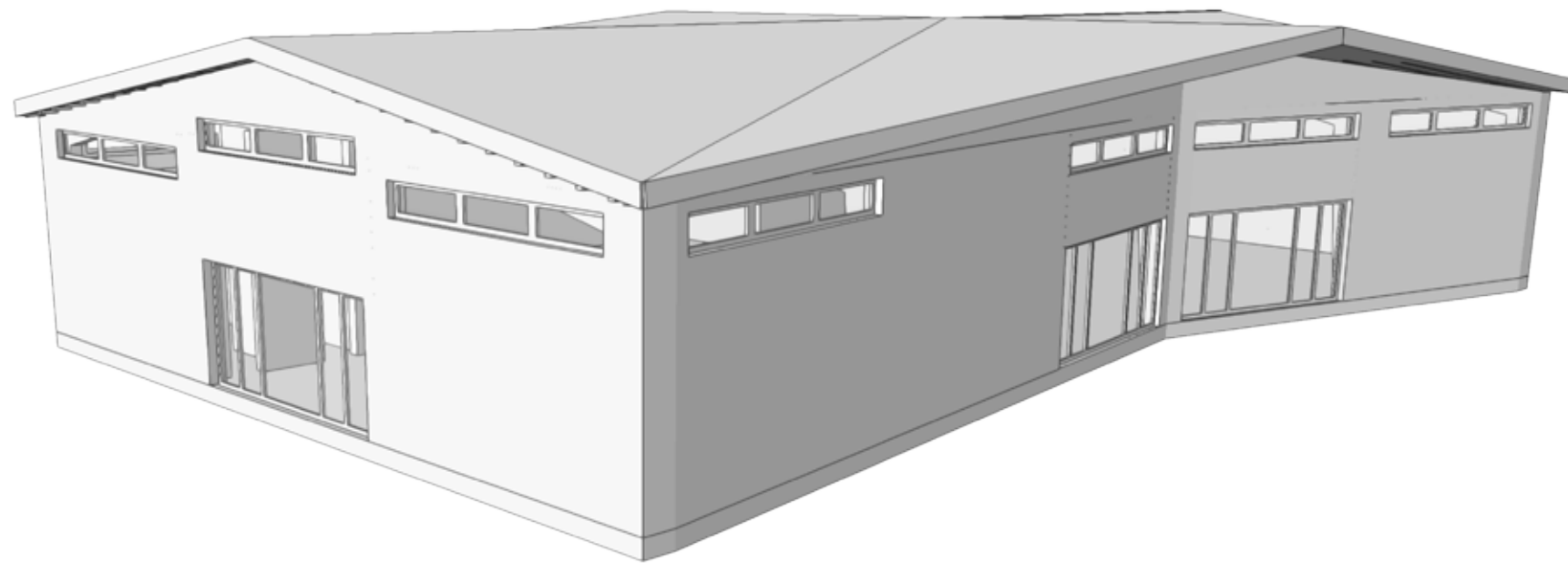


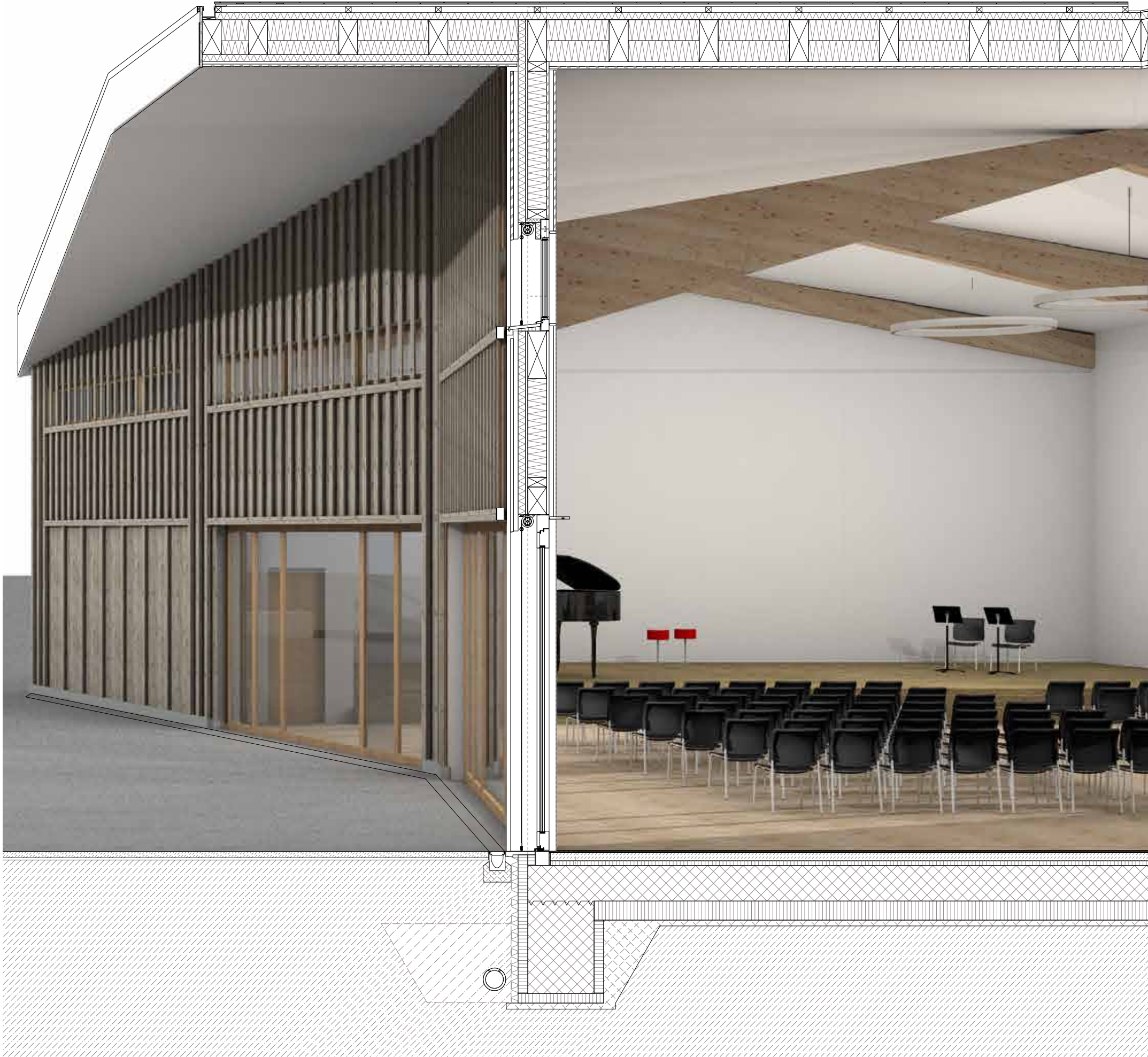




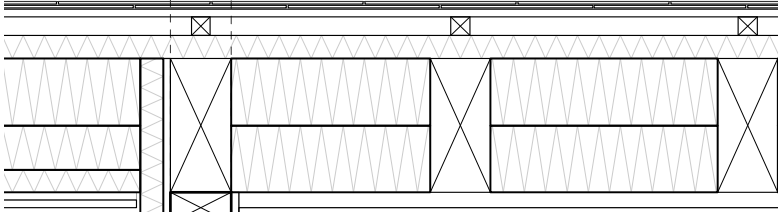




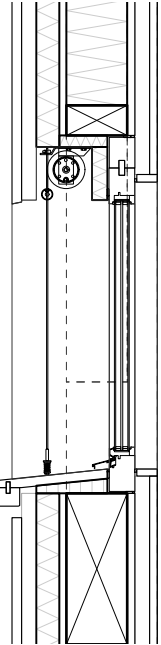




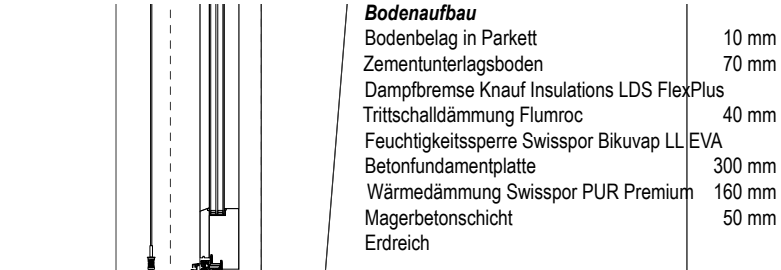
KONSTRUKTION AULA



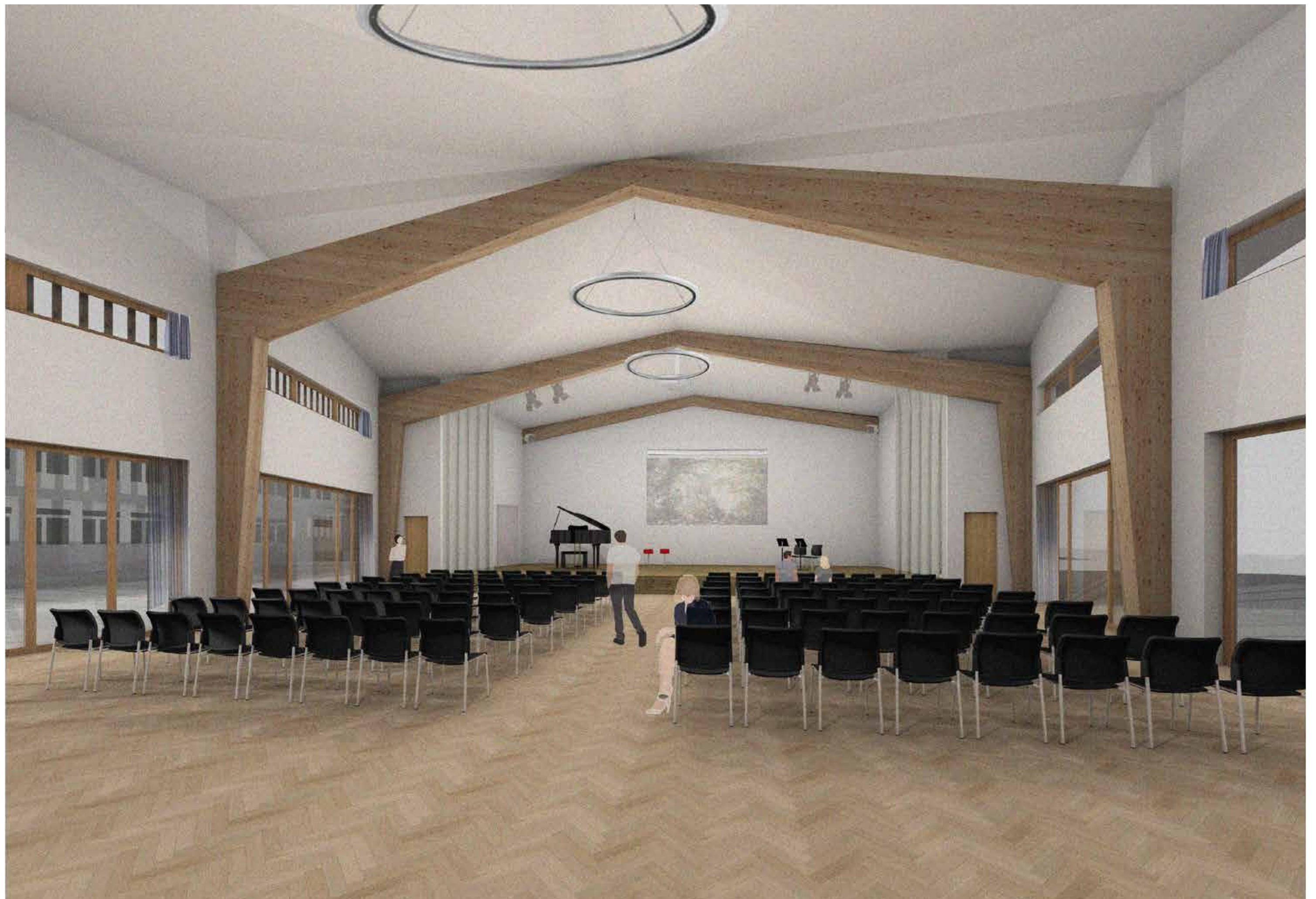
Dachaufbau	
Eindeckung in Faserzement, Doppeldeckung	40 mm
Dachlattung in Holz	20 / 40 mm
Konterlattung in Holz	50 / 50 mm
Abdichtungsfolie Ampatop Protecta	
Unterdach Pavatex Isolair	60 mm
Holzkonstruktion	80 / 180 mm
Zwischenräume-Wärmedämmung Flumroc	180 mm
Dampfsperre Sisalex 514	
OSB-Platte, Oberfläche gestrichen	20 mm
Holzkonstruktion sichtbar	340 mm

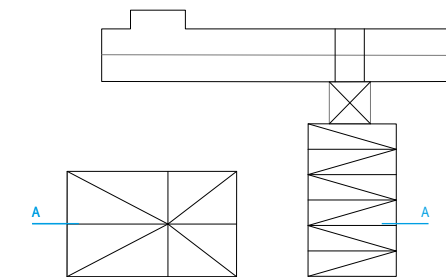
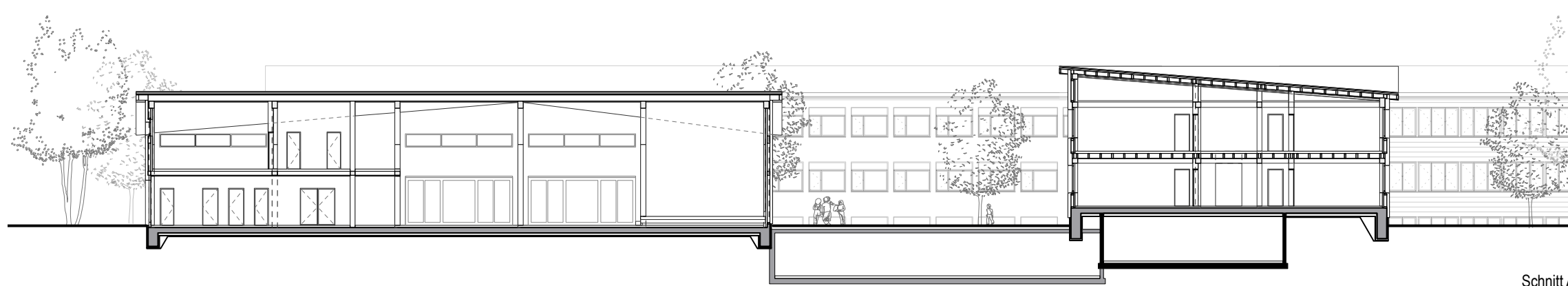


Fassadenaufbau	
Aussenverkleidung	25 / 65 / 85 mm
Hinterlüftung	40 mm
Fassadenfolie Ampatop F black	
Weichfaserplatte Flumroc	60 mm
OSB-Platten	20 mm
Wärmedämmung / Holzkonstruktion	160 mm
OSB-Platte	20 mm
Dampfsperre Sisalex 514	
Lattung / Installationshohlraum	40 mm
Innere Verkleidung Fermacell	18 mm



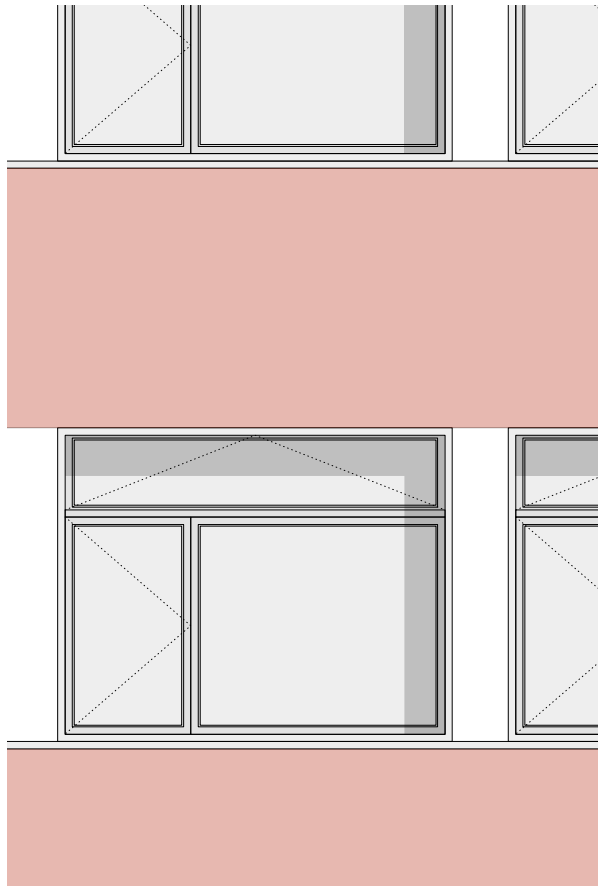
Bodenaufbau	
Bodenbelag in Parkett	10 mm
Zementunterlagsboden	70 mm
Dampfbremse Knauf Insulations LDS FlexPlus	
Trittschalldämmung Flumroc	40 mm
Feuchtigkeitssperre Swisspor Bikuvar LL EVA	
Betonfundamentplatte	300 mm
Wärmedämmung Swisspor PUR Premium	160 mm
Magerbetonschicht	50 mm
Erdreich	



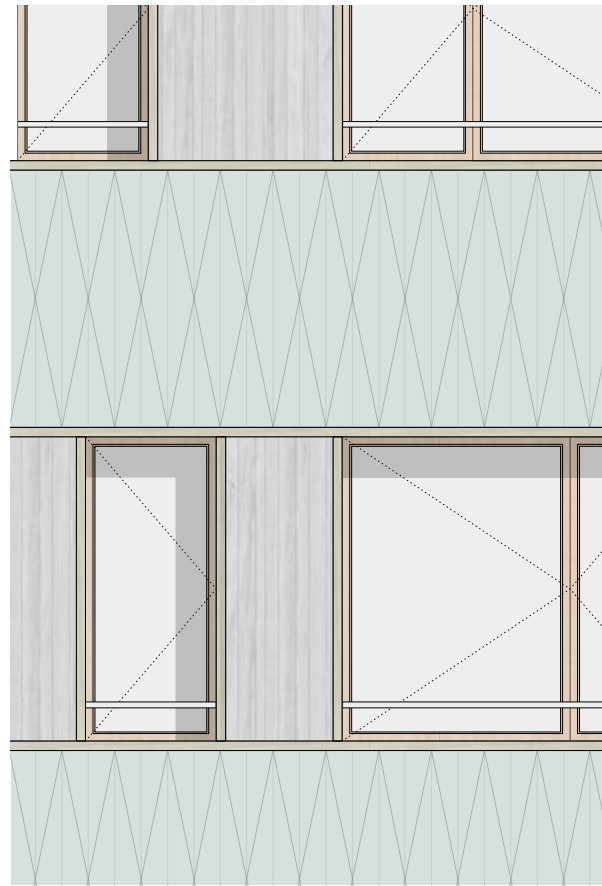


Schnitt A

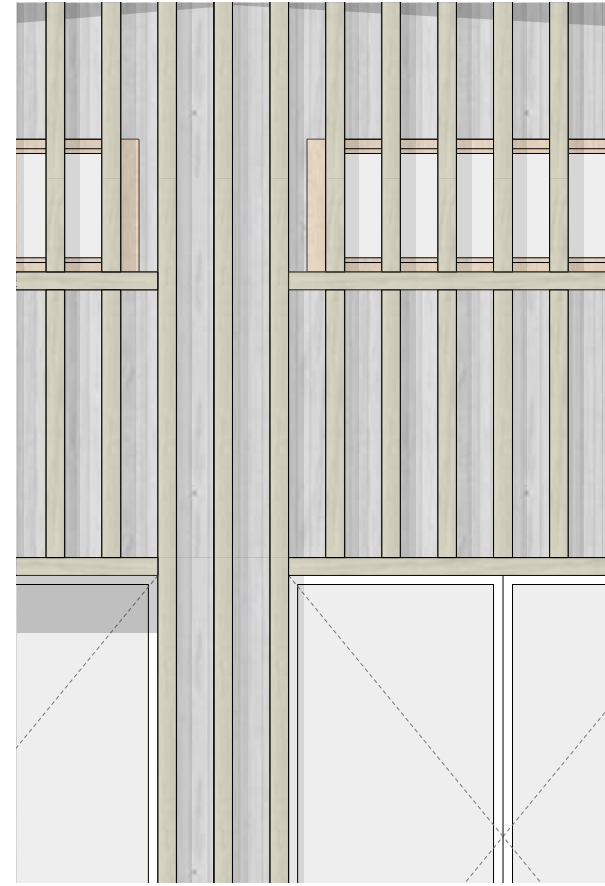




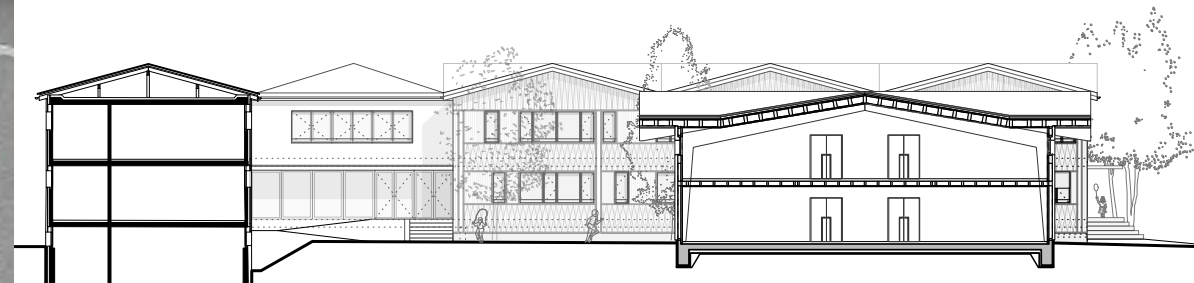
Fassadenansicht Schule Bestand



Fassadenansicht Schule Neu



Fassadenansicht Aula

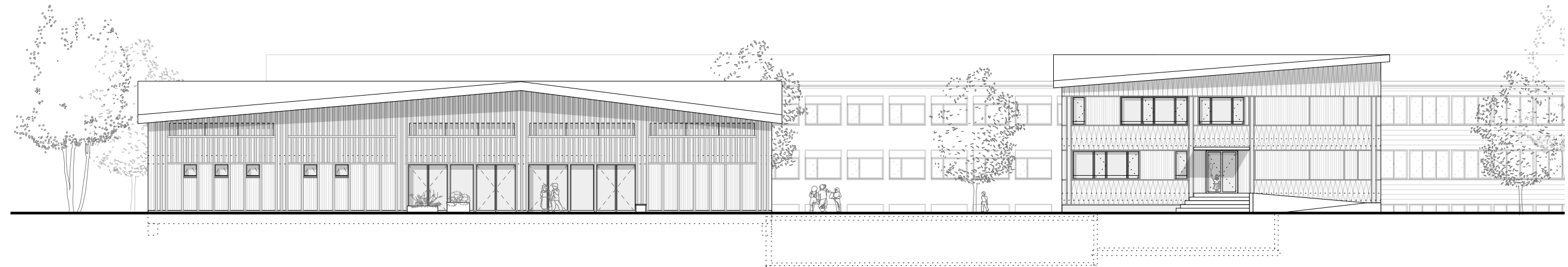
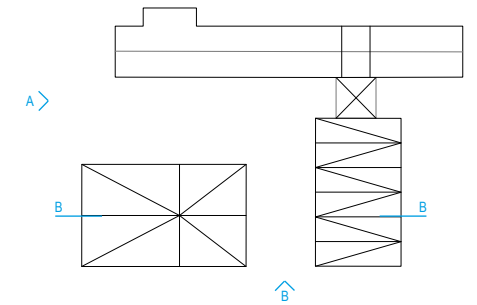


Querschnitt Gebäudeensemble

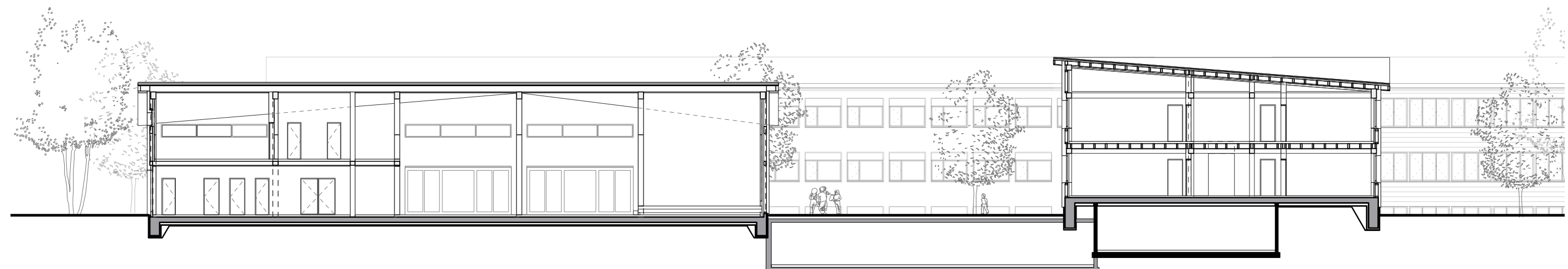
GESAMTENSEMBLE



Ansicht A



Ansicht B



Schnitt B

