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ERASMUS+ Strategic Partnerships For Higher Education



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**SUSTAINABLE, HIGH-PERFORMANCE  
BUILDING SOLUTIONS IN WOOD**

2020-1-LV01-KA203-077513

**Educational building in Marszewo - first CLT public building in Poland. Case study.**

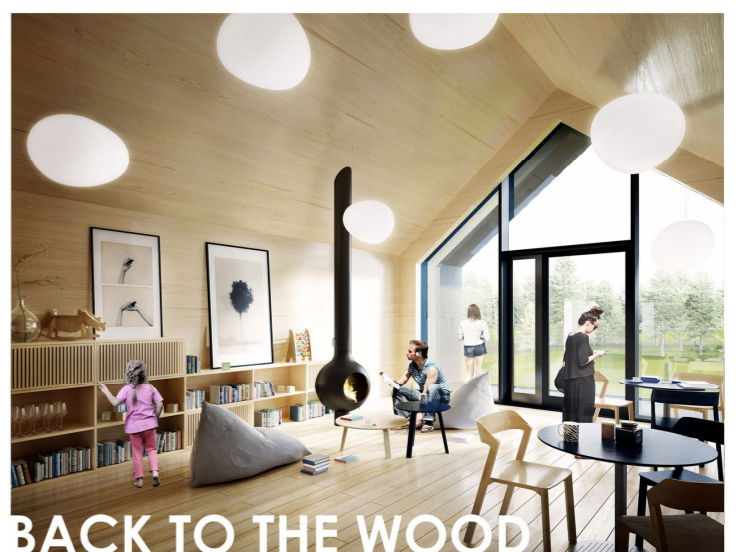
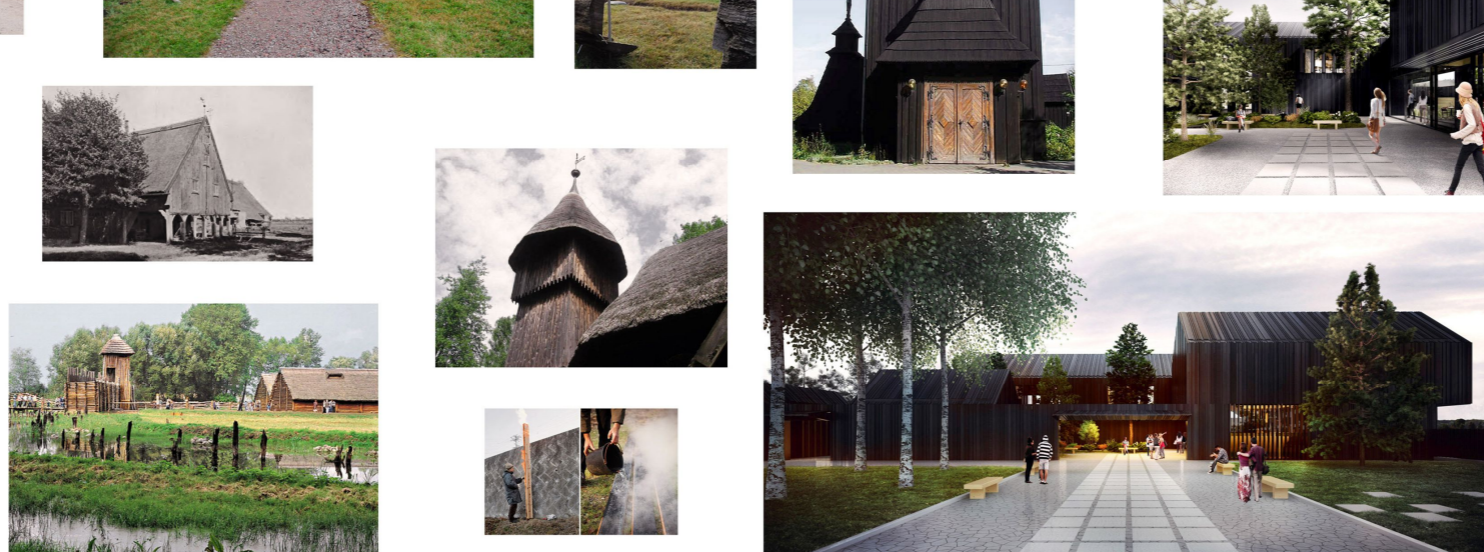
**Damian Poklewski-Kozieł, Marcin Gierbienis**

**18 V 2022**



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## DETERMINANTS OF SUSTAINABLE DEVELOPMENT:

- **Ecological determinants**

Protection of natural resources, reduction of CO2 emissions, low environmental impact, the use of local materials containing secondary raw materials.

- **Economic determinants**

An affordable and competitive investment and operating costs in the life cycle of a building with a clear return on investment. a new approach to the economic calculation of investments, in which the costs of environmental destruction should be taken into account.

- **Social determinants**

Healthy, user-friendly and environmentally friendly. The right decisions in the matter of design and projecting results in the proper microclimate of the building.



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# IMPLEMENTATION OF METHODOLOGY OF SUSTAINABLE ARCHITECTURE

- The individual environmental conditions of the location
- Pro-ecological land use
- Energy saving
- The effectiveness of using materials and raw materials
- Pro-ecological innovation of solutions
- Comfort and quality of use



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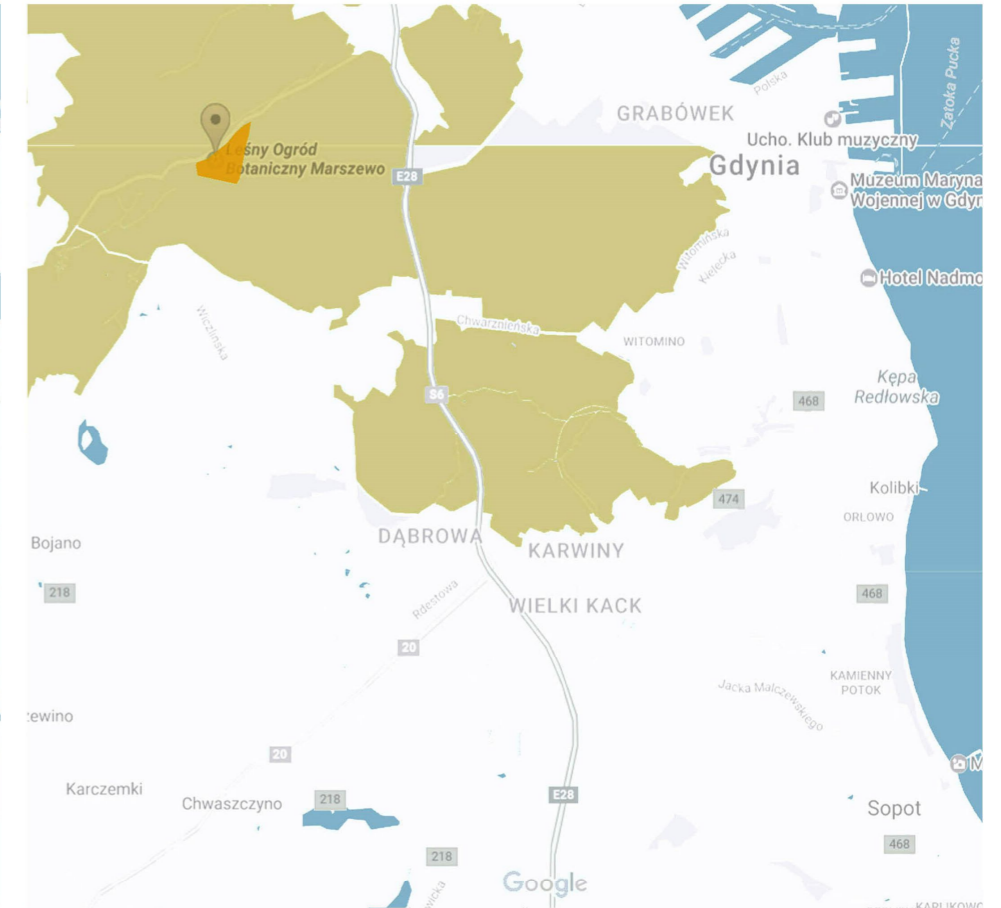
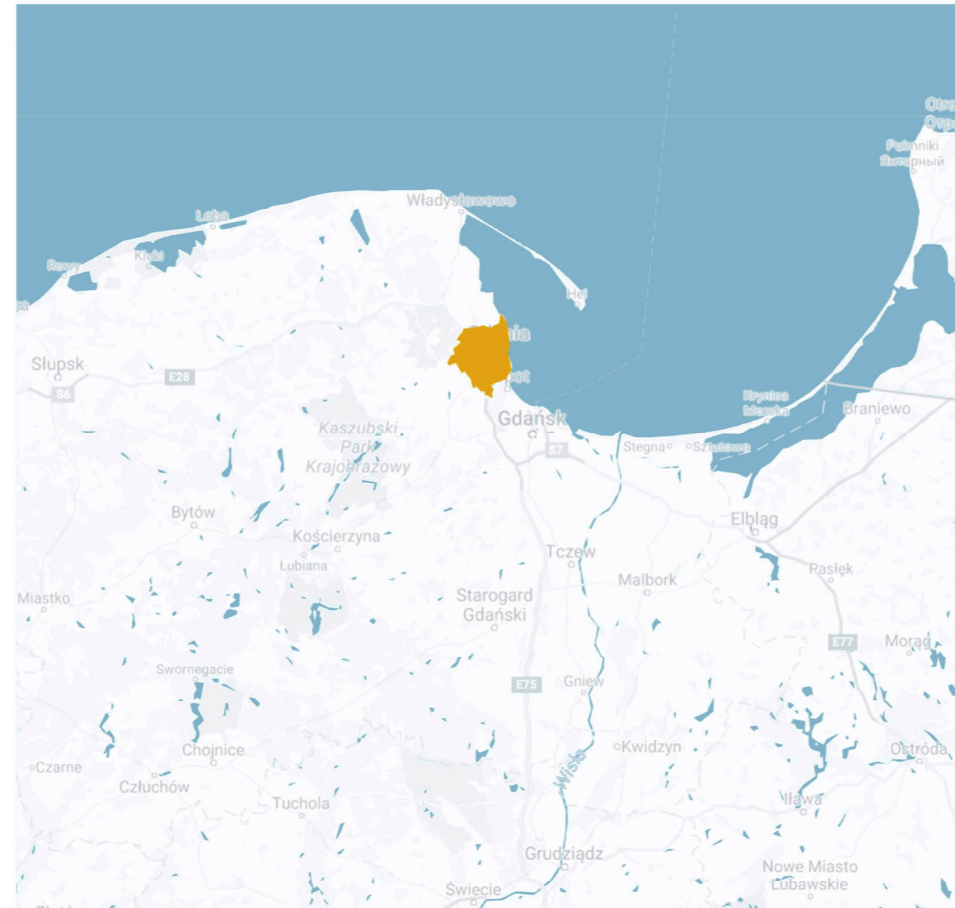


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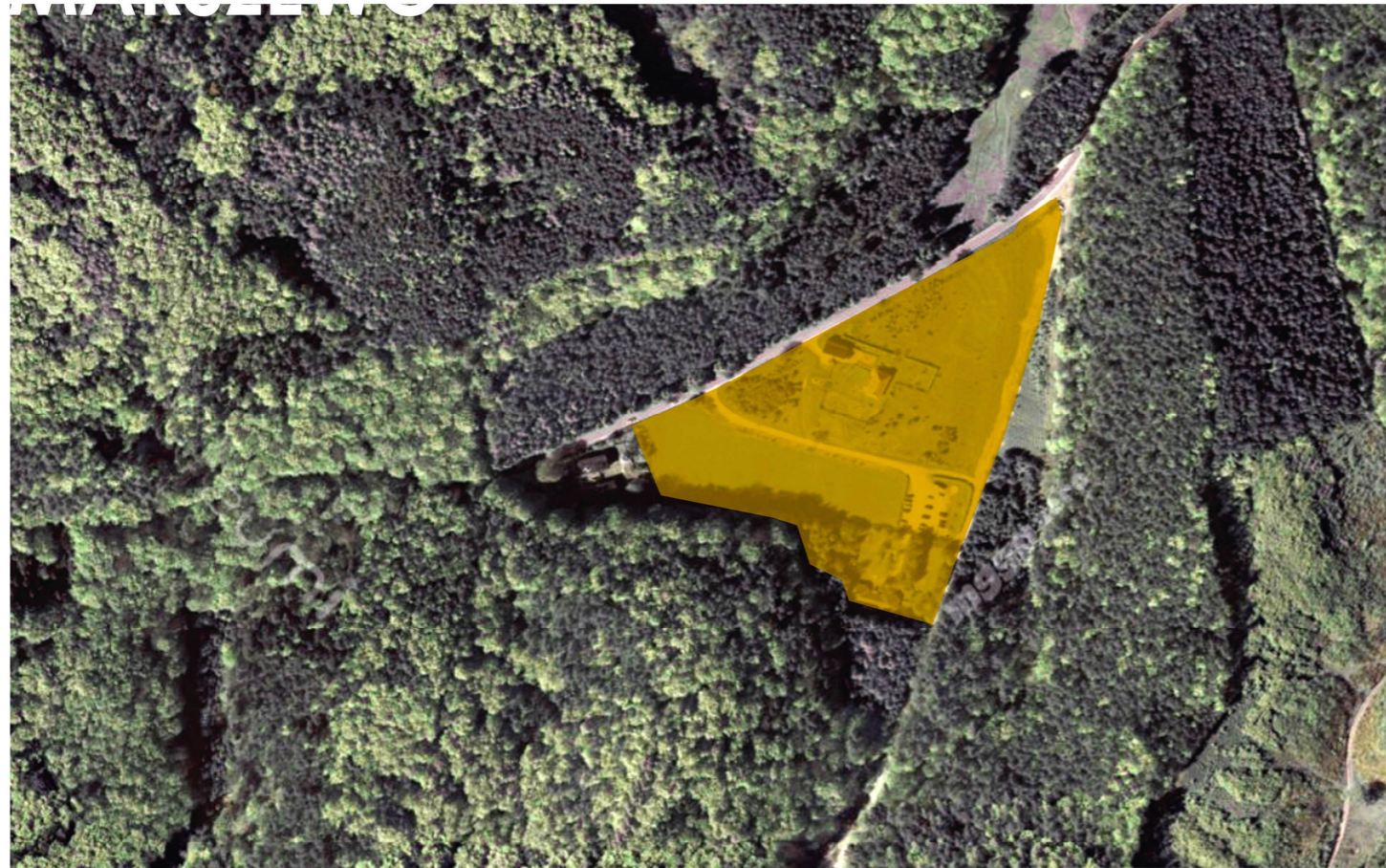


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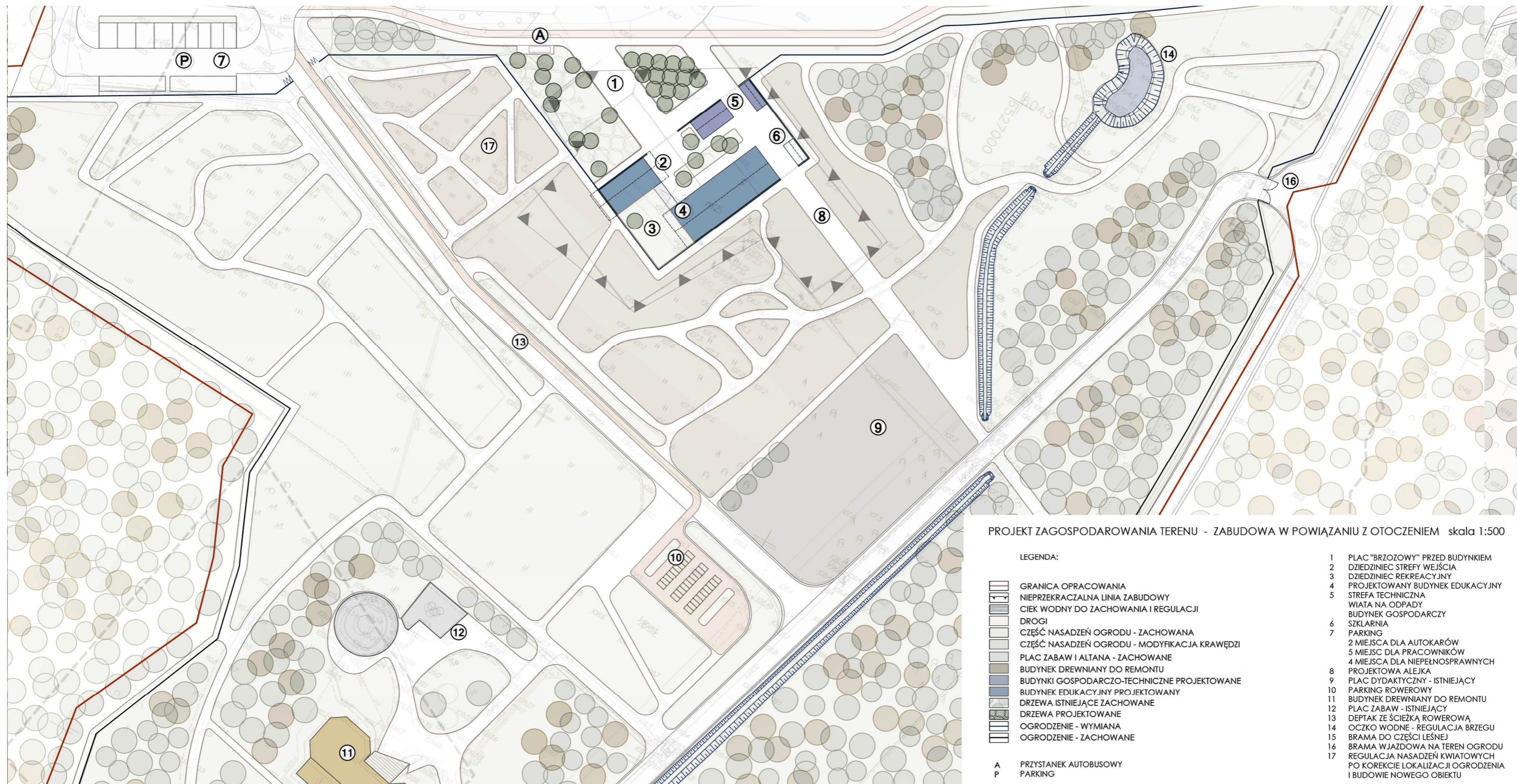


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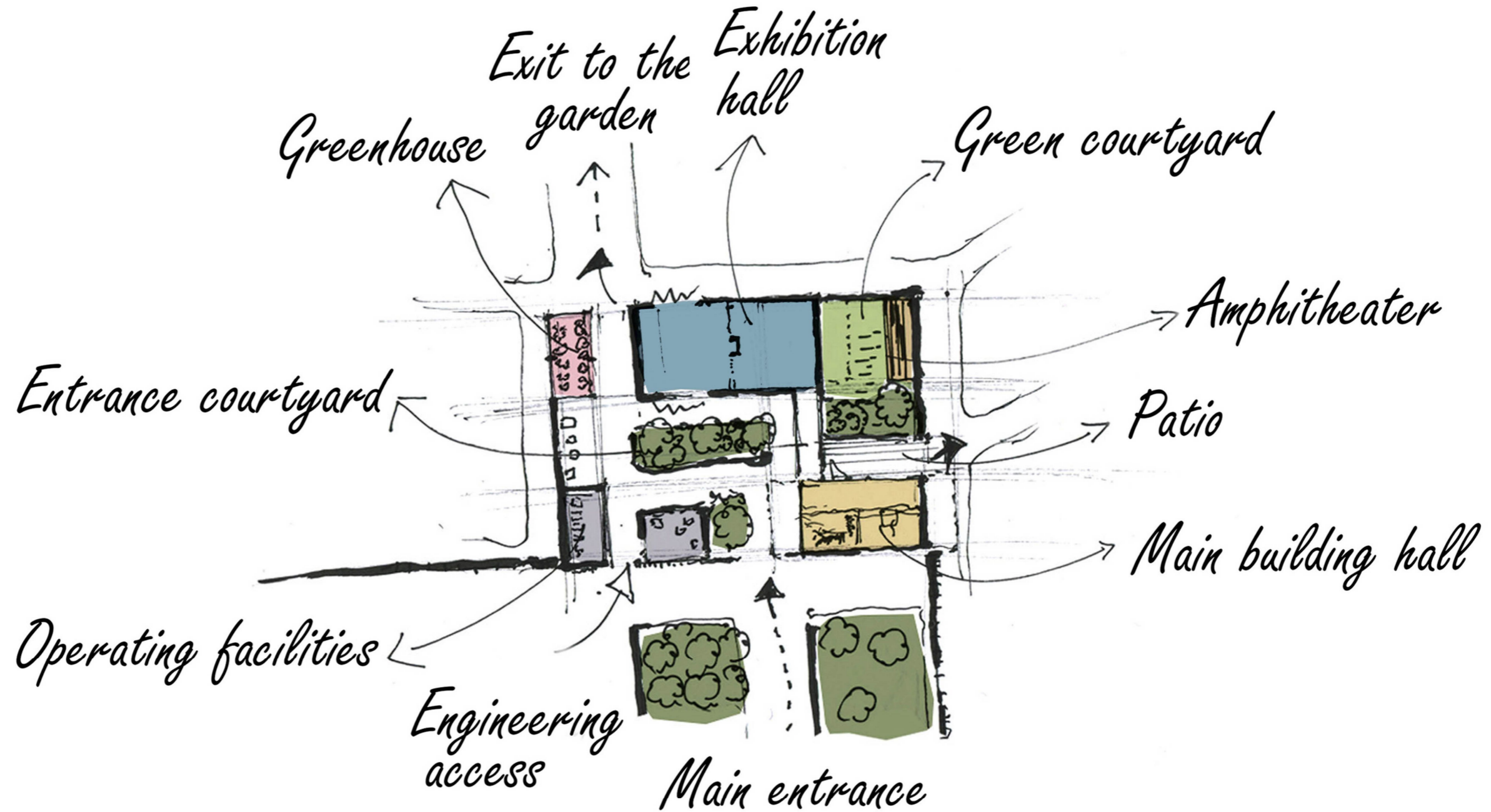
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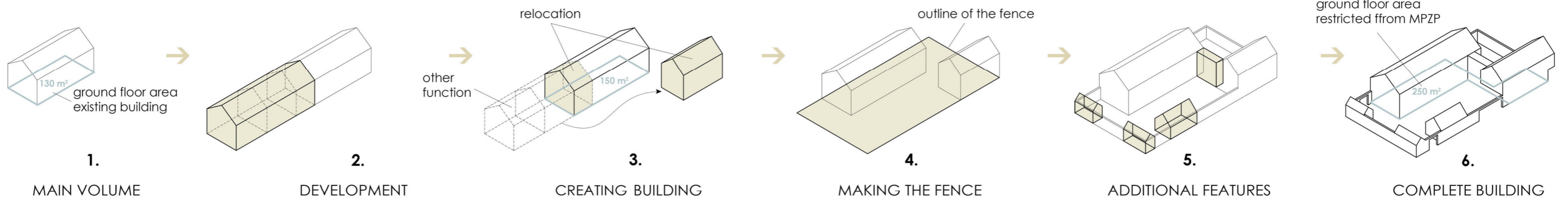
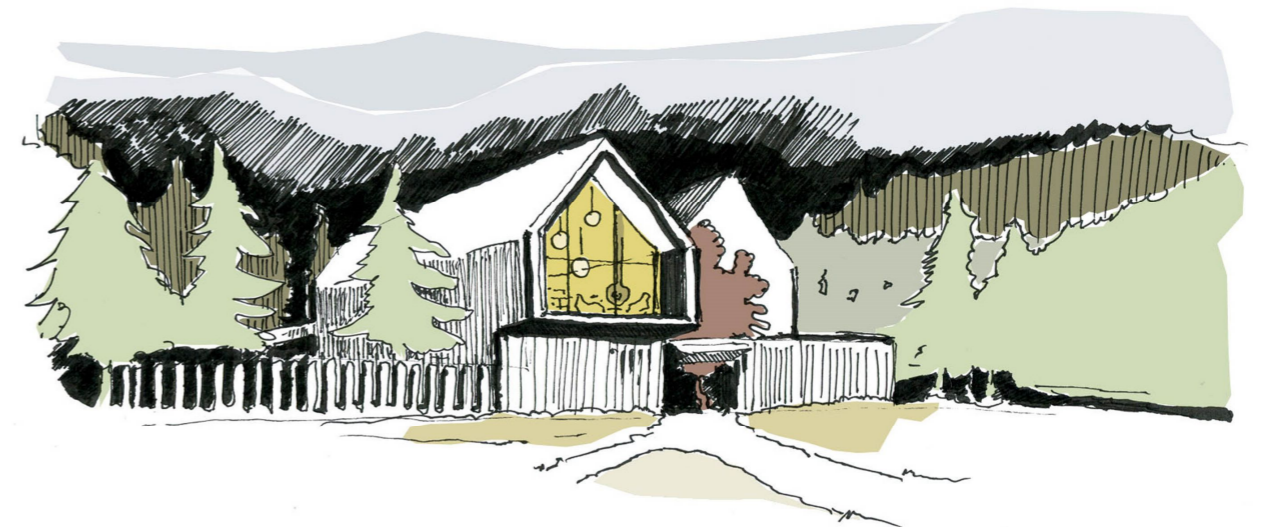
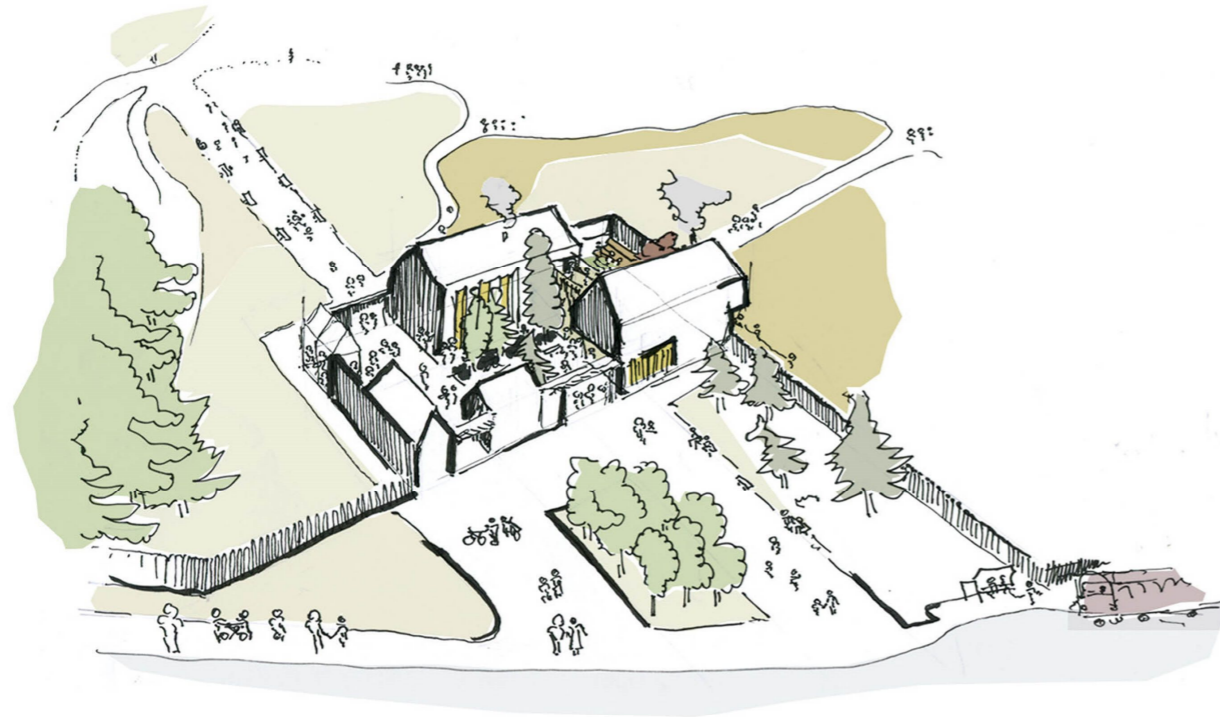


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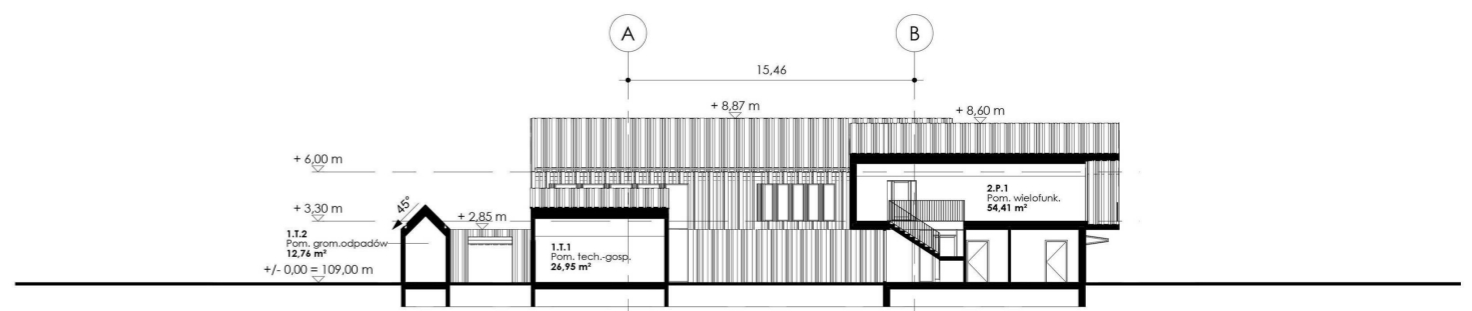
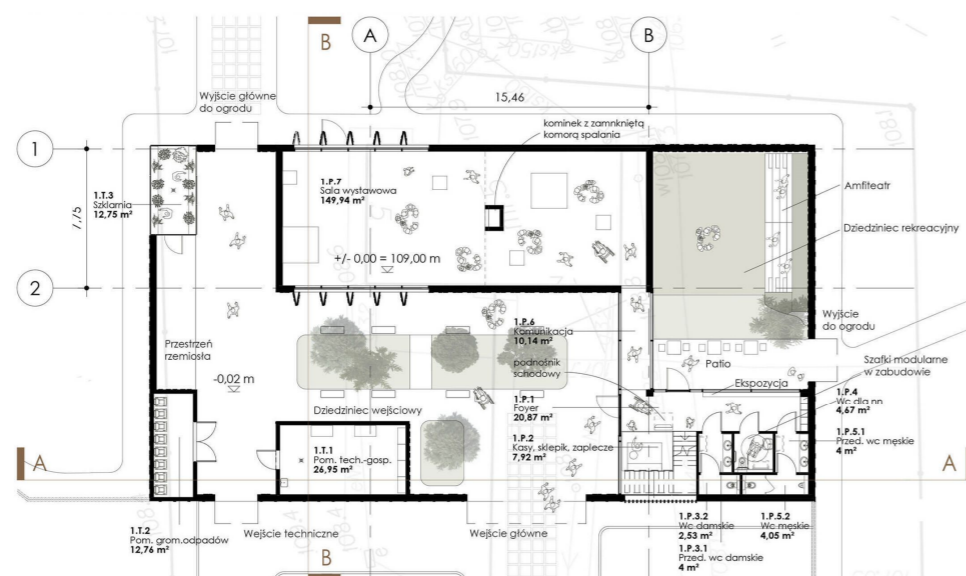
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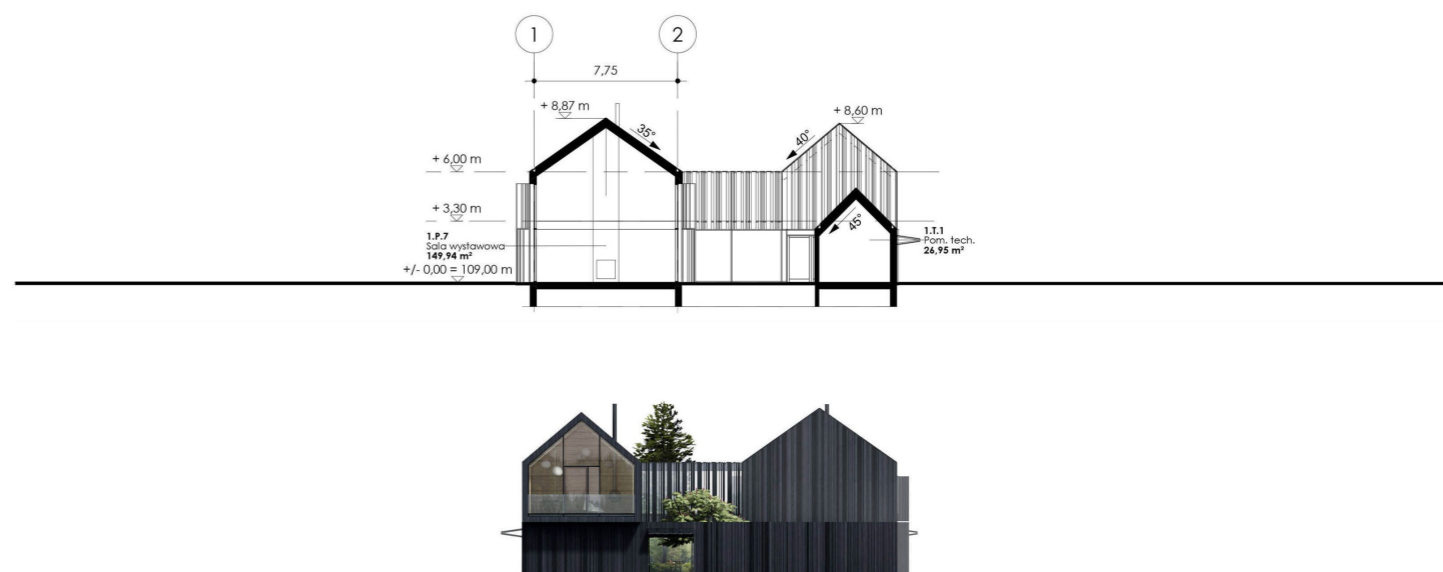
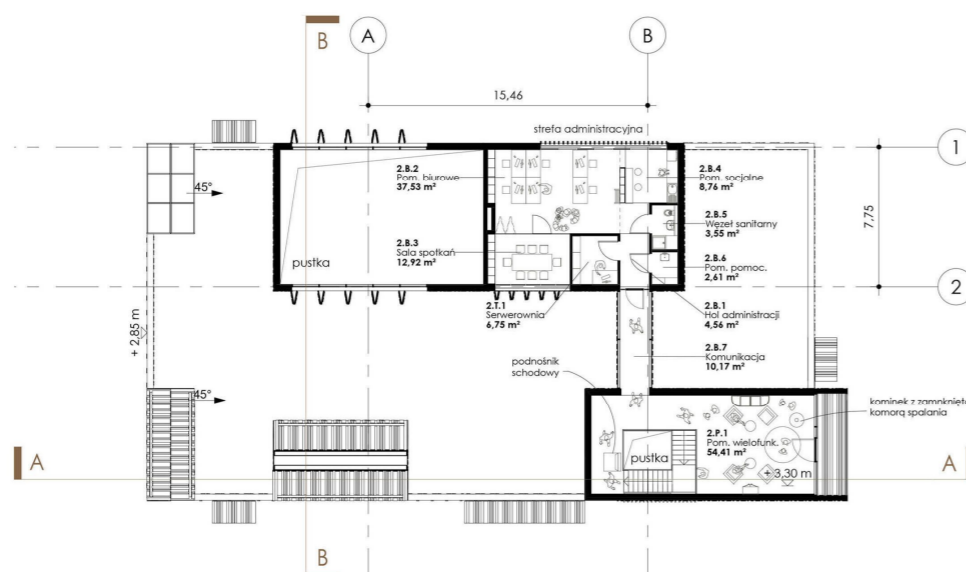


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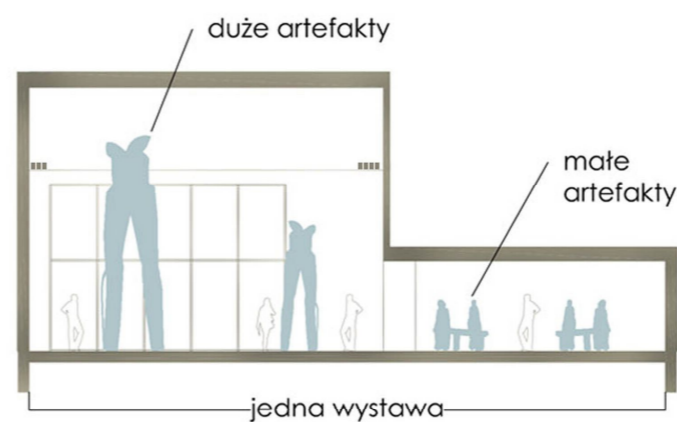
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### W A R I A N T 1

Jedna wystawa tematyczna.  
M o ż l i w o ś ć  
prezentacji w dwóch  
częściach sali artefaktów o  
różnych gabarytach.



### W A R I A N T 2

Dwie różne w charakterze  
wystawy. Wystawa w części  
o większej kubaturze -  
artefakty wielkogabarytowe.  
Wystawa w części niższej -  
obrazy, zdjęcia na ścianach.



### W A R I A N T 3

Prezentacja multimedialna  
w części sali o większej  
kubaturze. Żaluzje zastonięte.  
Charakter sali kinowej. W  
części niższej możliwość  
ustawienia stołów do  
catering dla gości.





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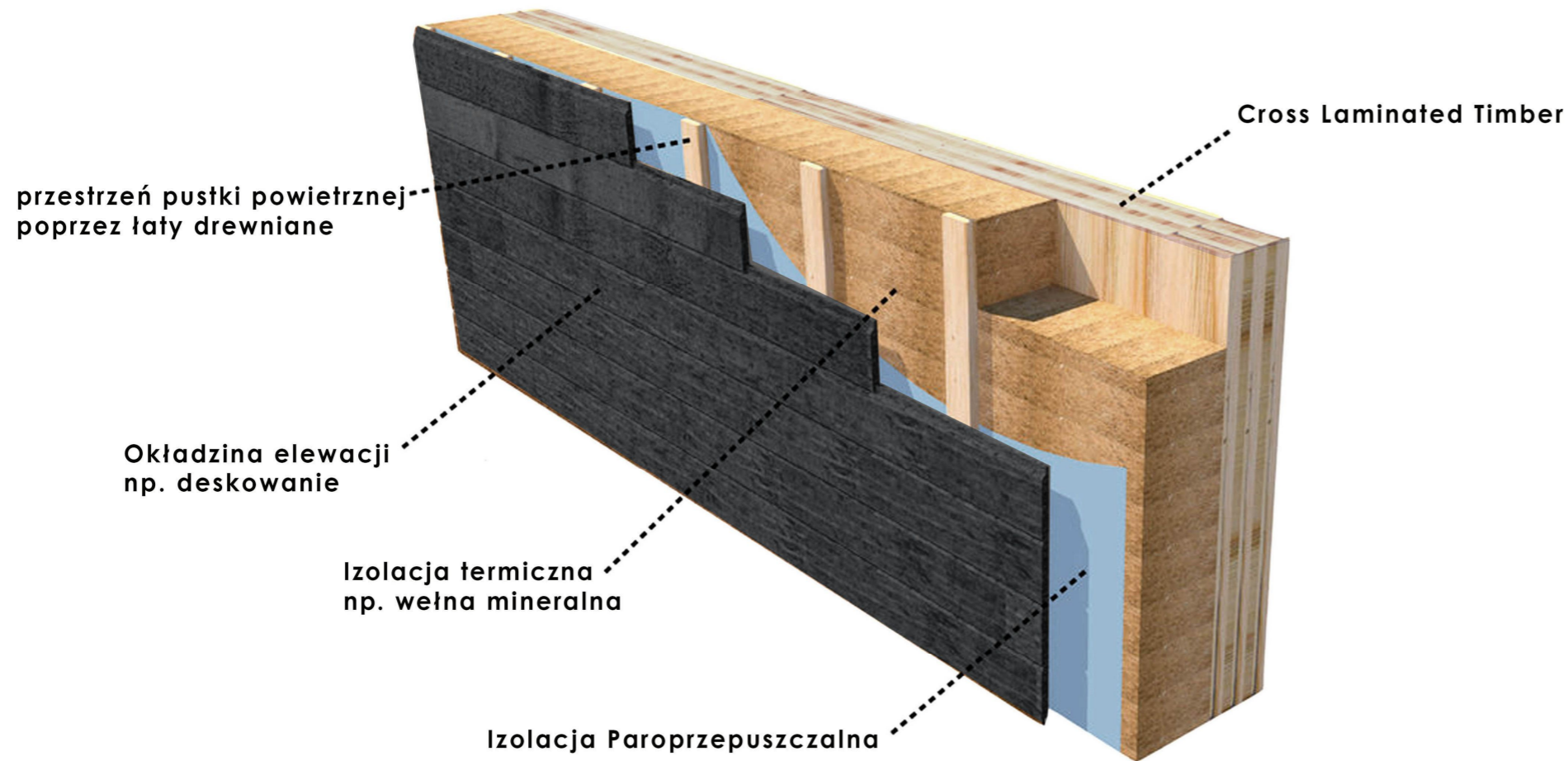
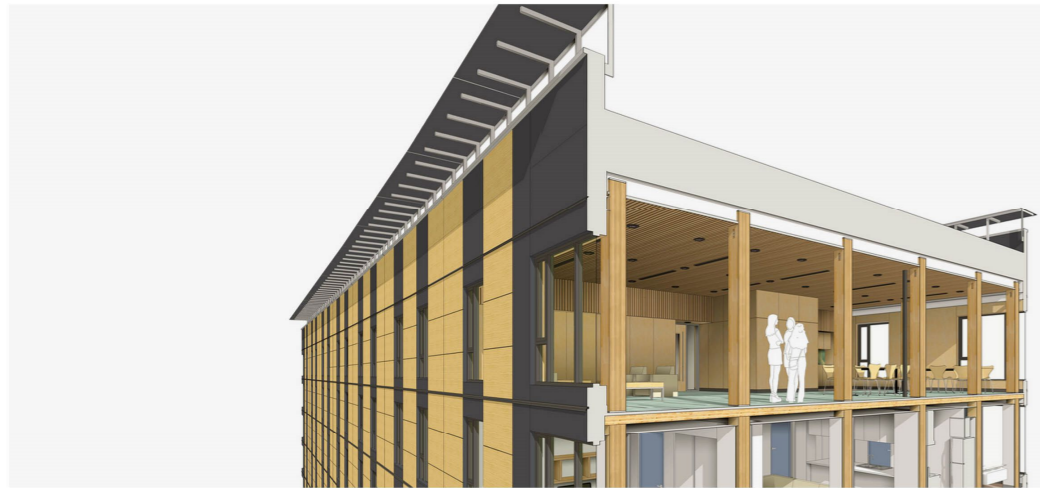


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Acton Ostry Architects, Student Residence, Vancouver





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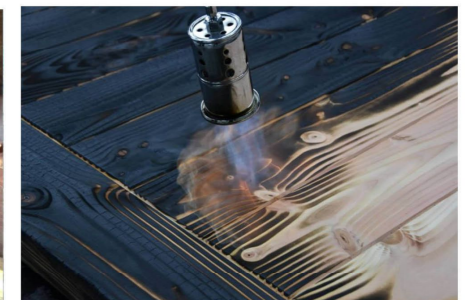
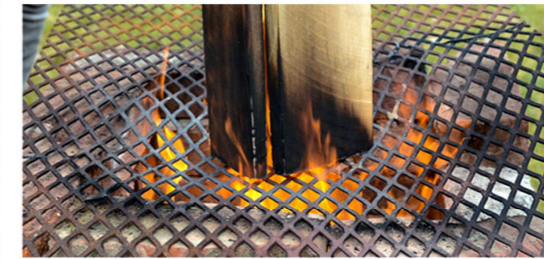


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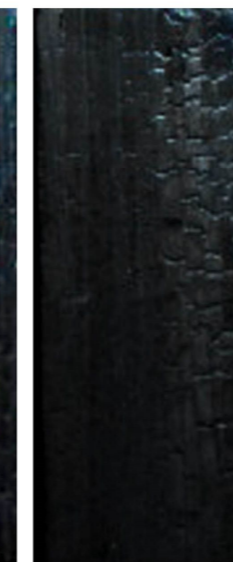
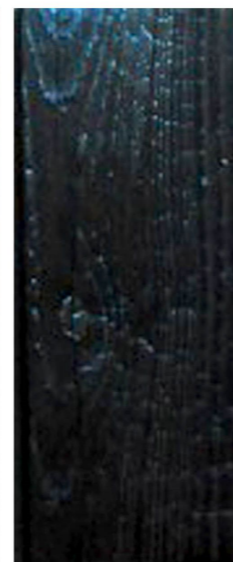
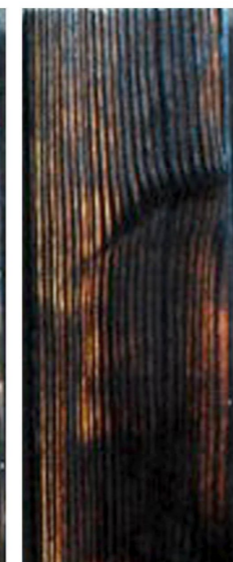
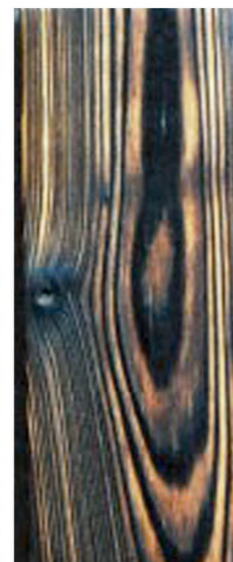
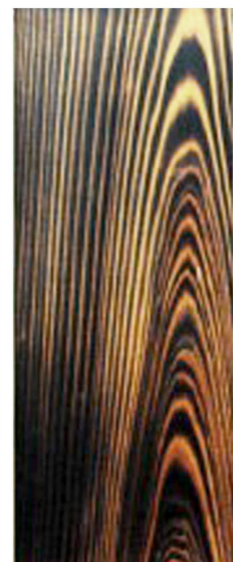
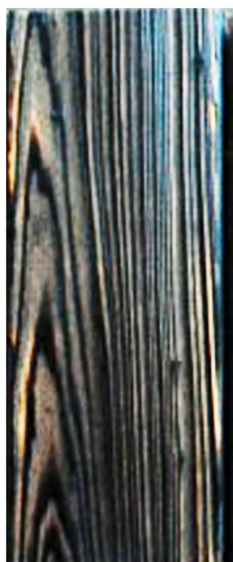


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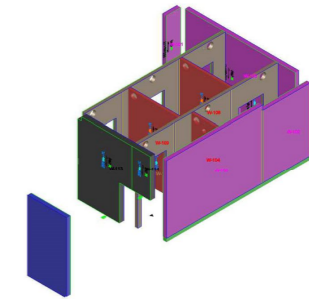
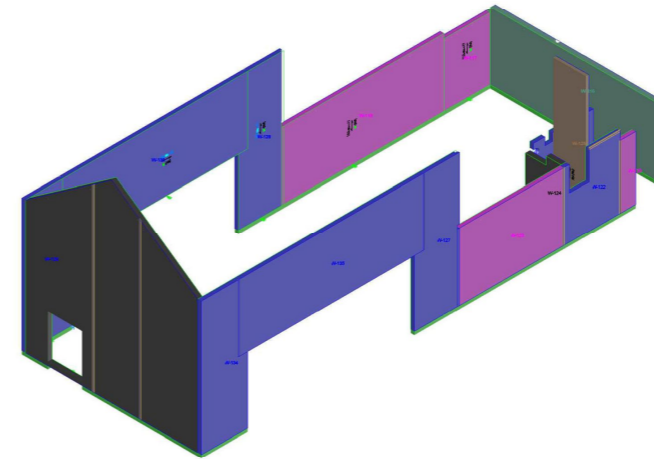
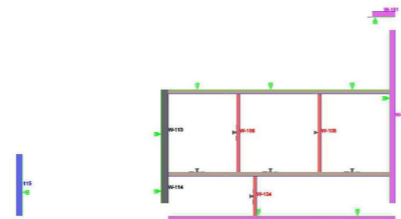
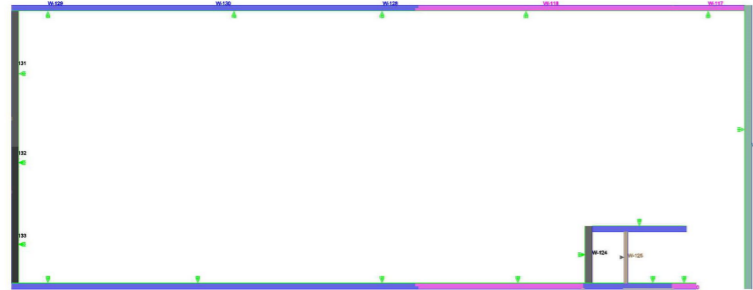
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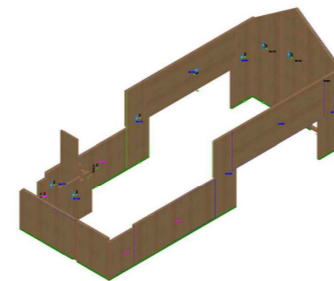
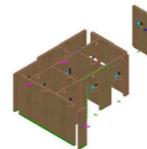
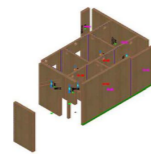
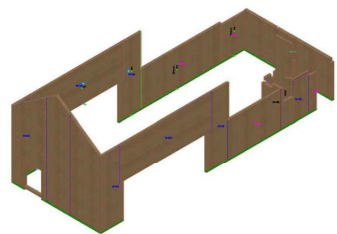
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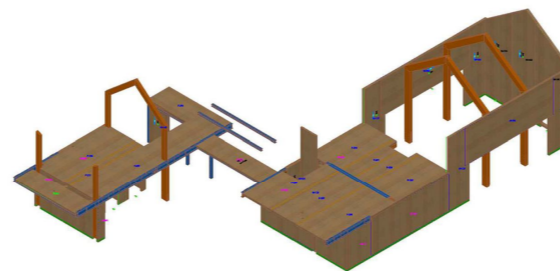
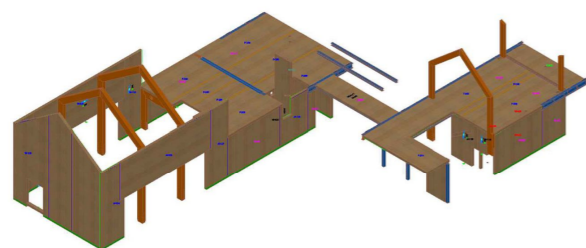
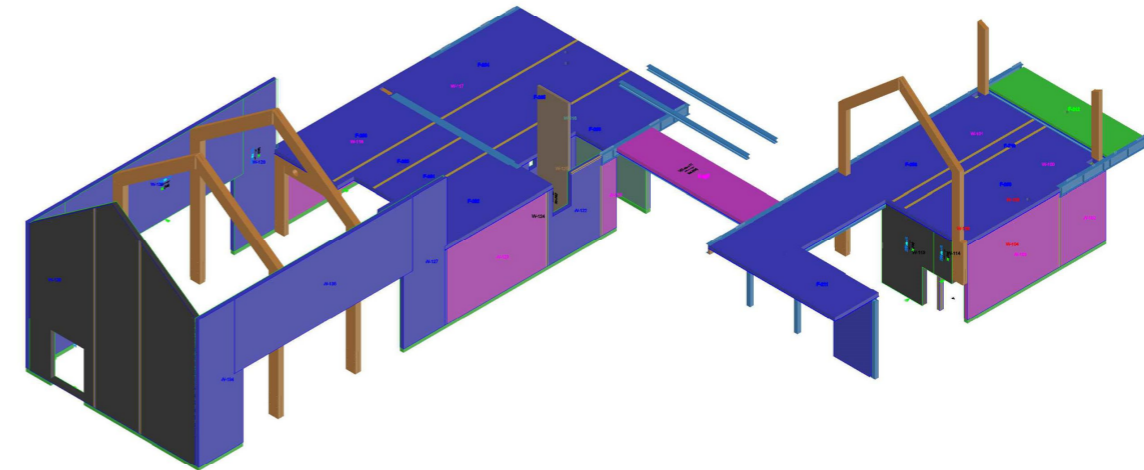
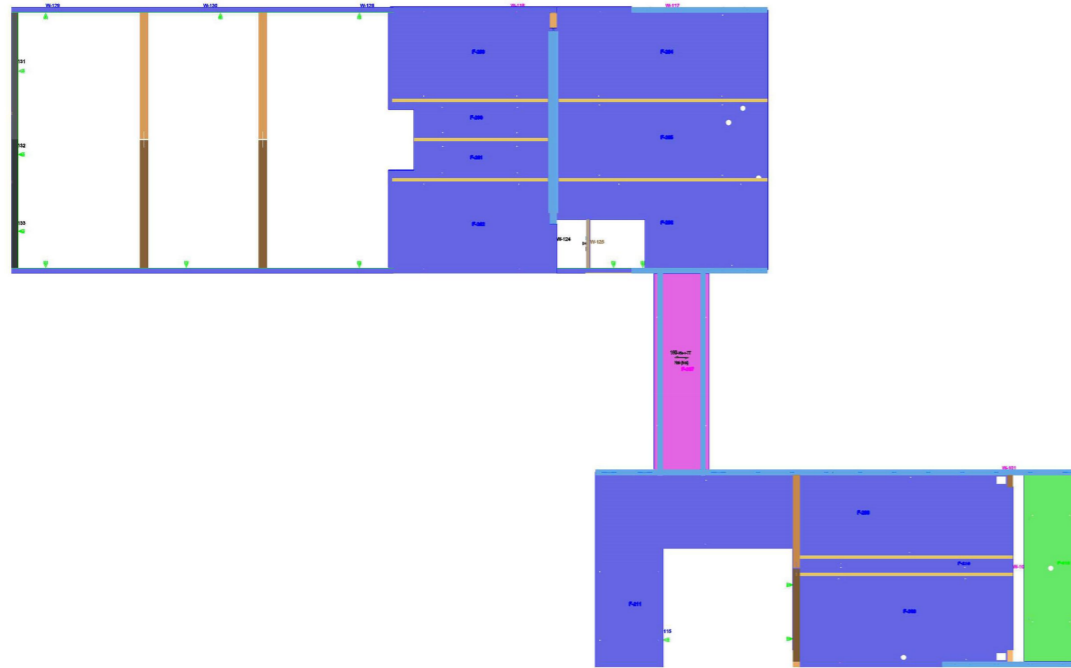
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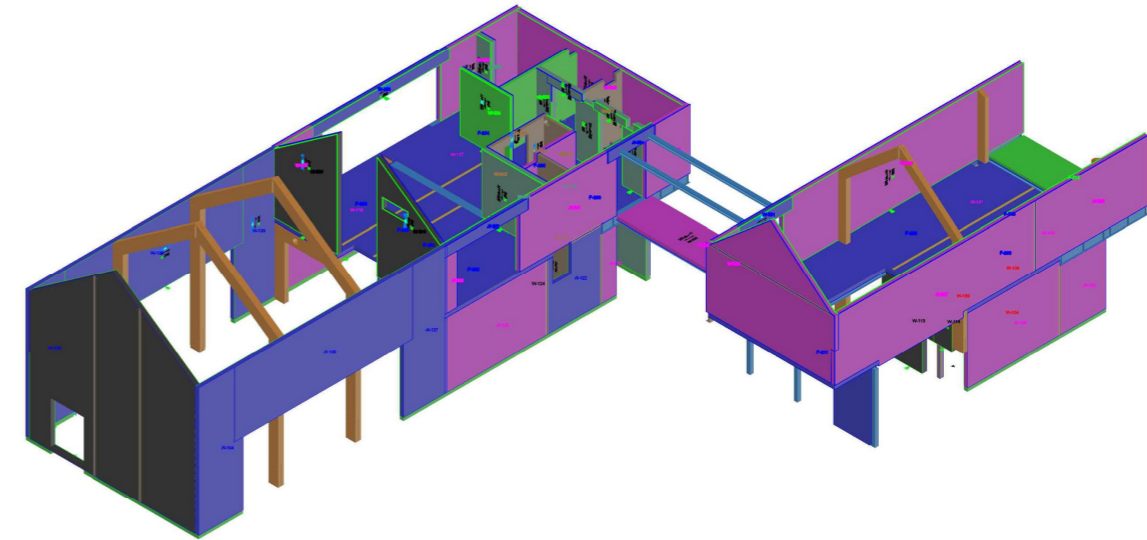
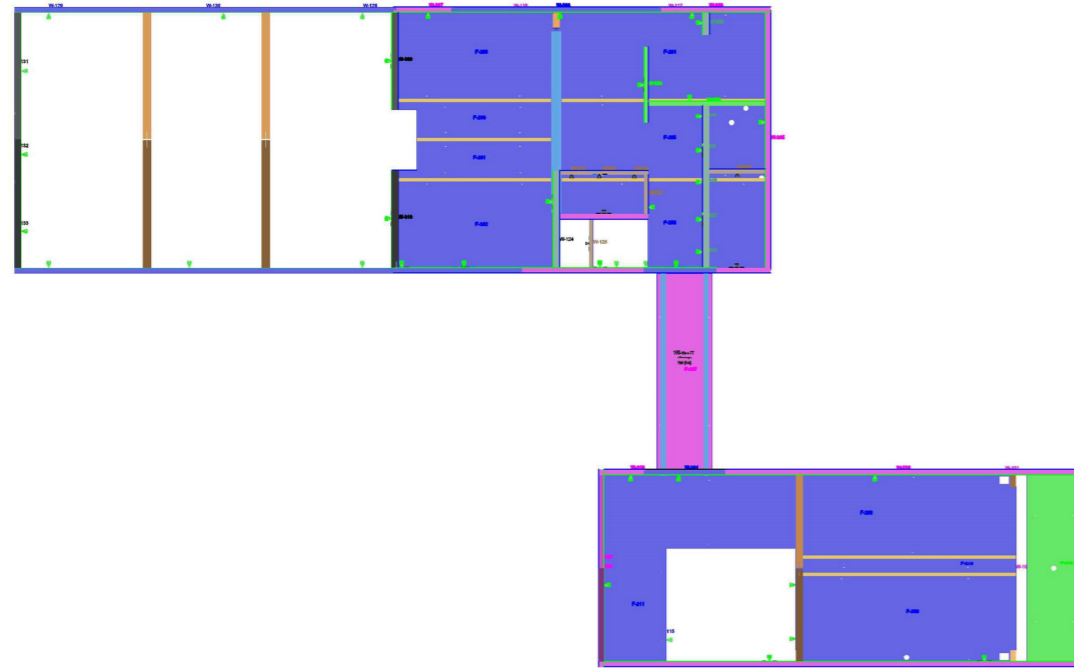
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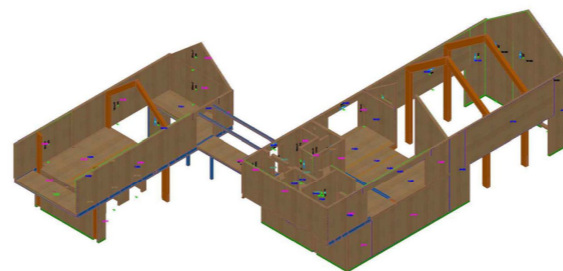
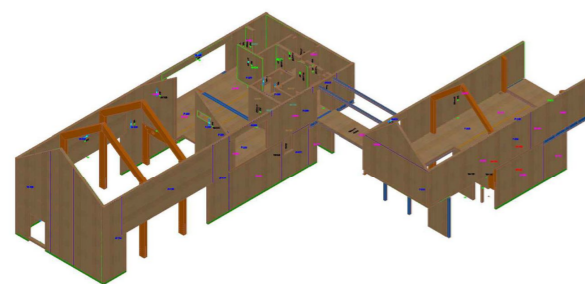


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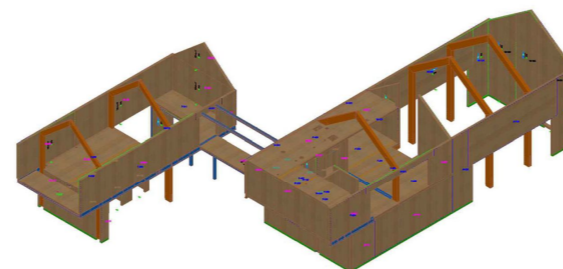
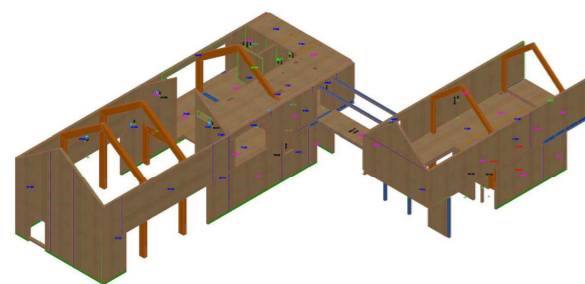
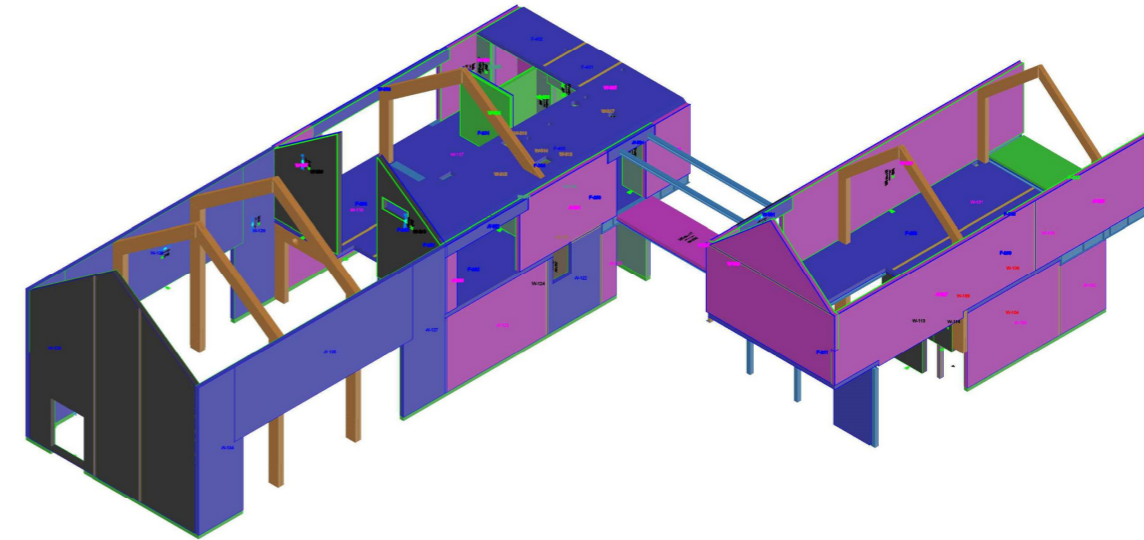
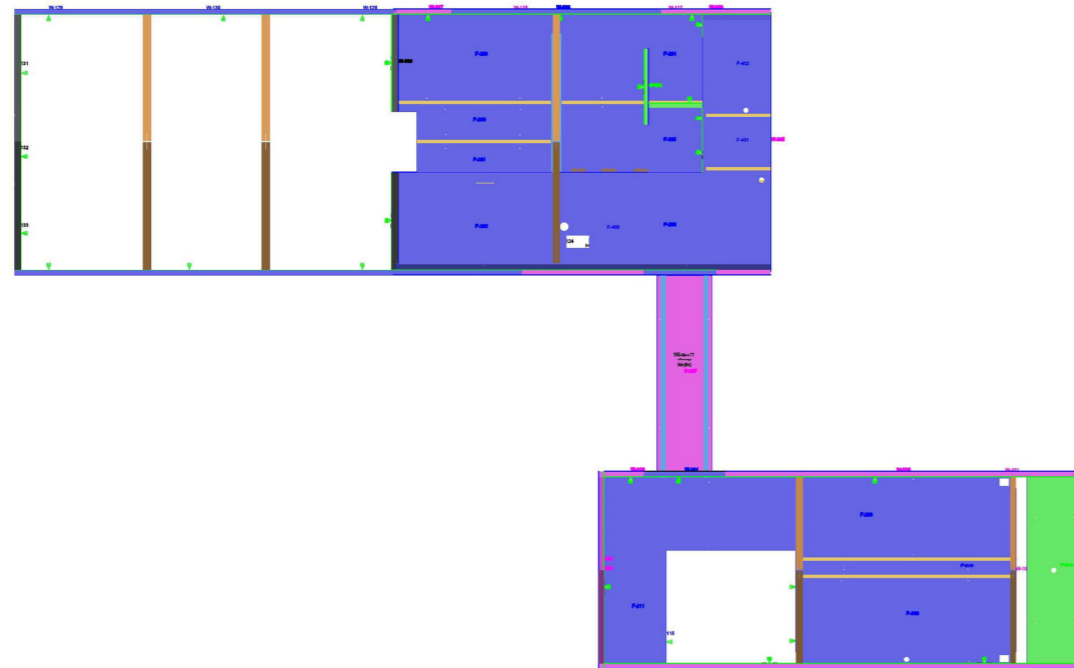
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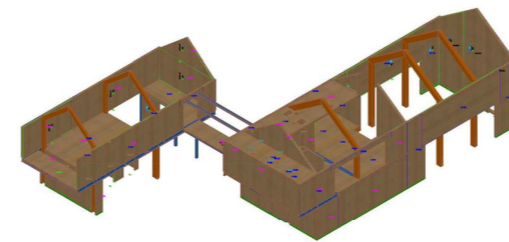
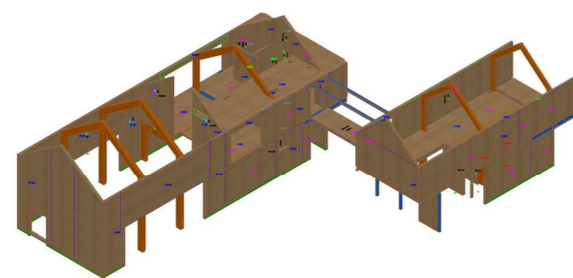
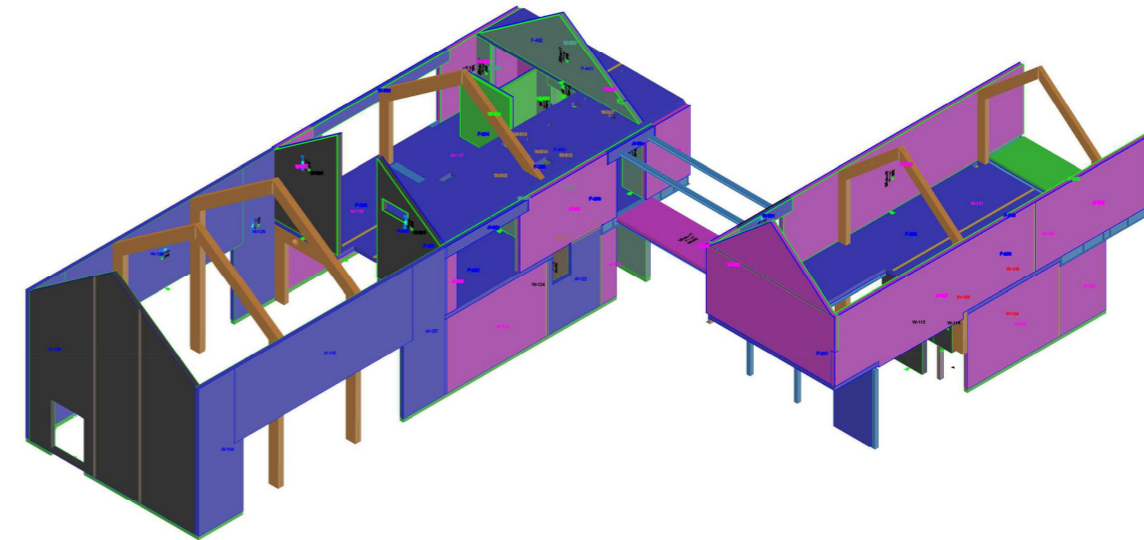
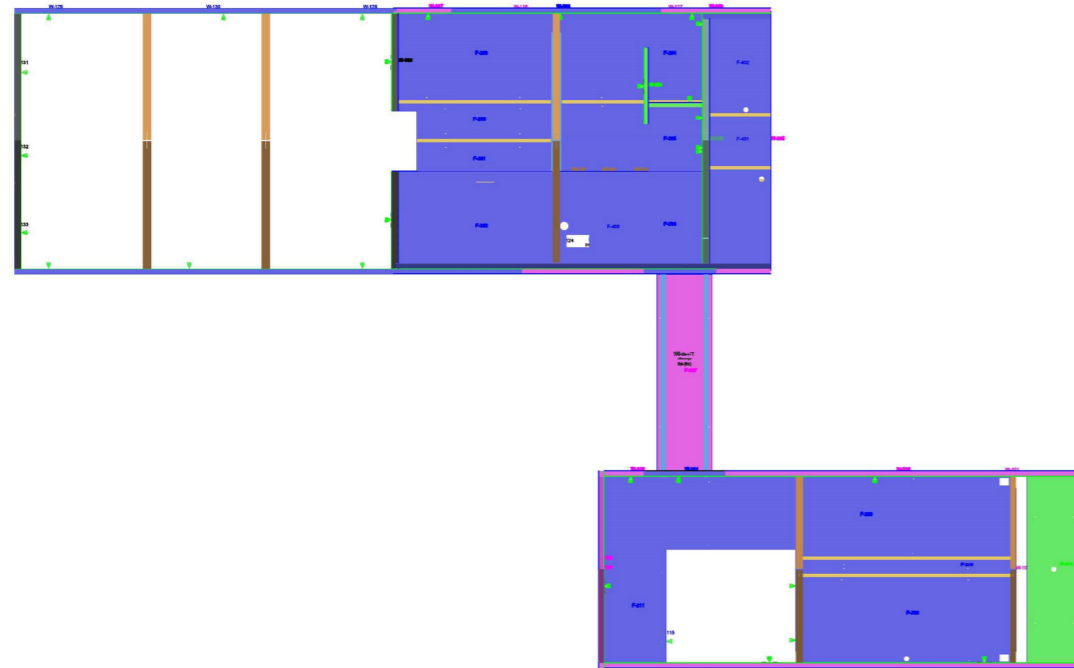
steel  
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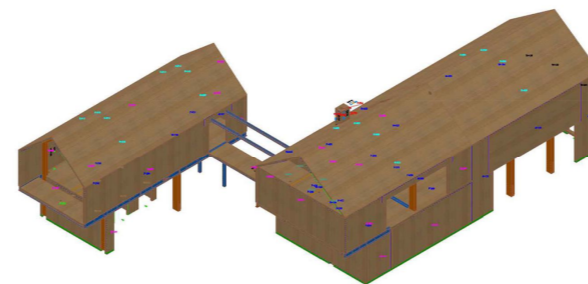
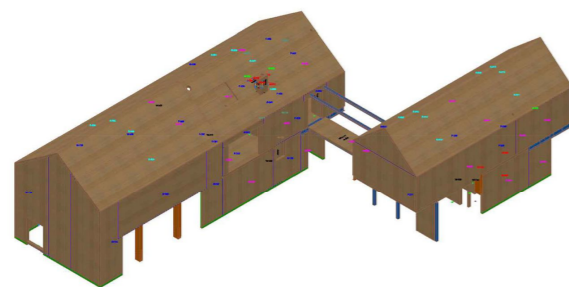
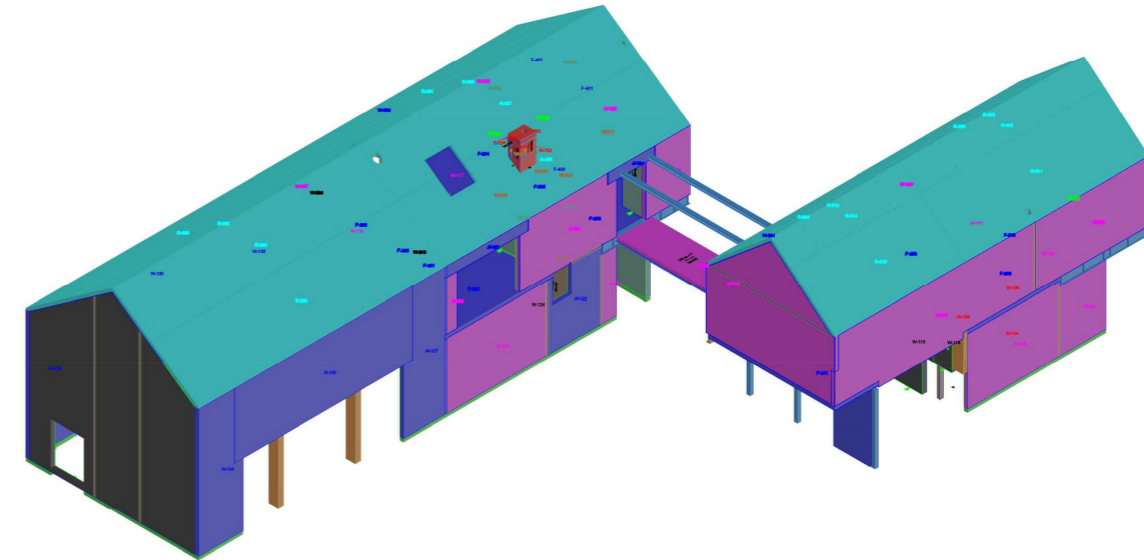
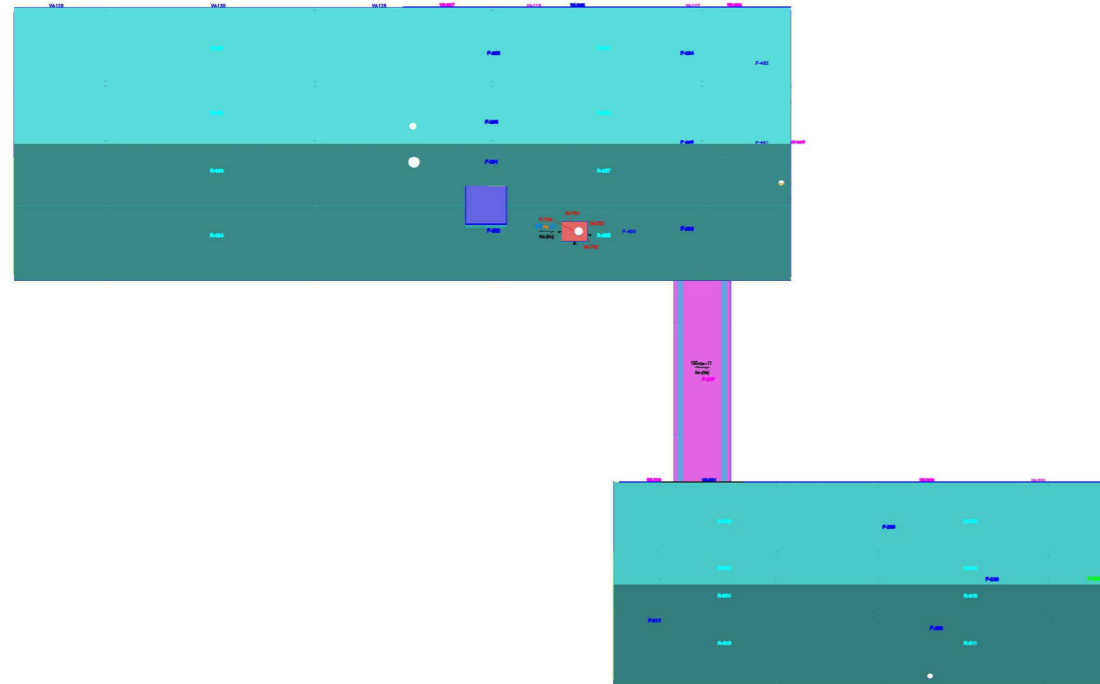






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200-05s-1-TL		120-05s-1-TT		GI24h	
200-05s-1-TT		140-05s-1-TL			



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