

CLOUD. THE INTERNET RESEARCH CENTER



Politecnico di Milano
Department of Architecture, Built Environment
and Construction Engineering
Polo regionale di Lecco



“Cloud”. The Internet Research Center

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Master thesis of:

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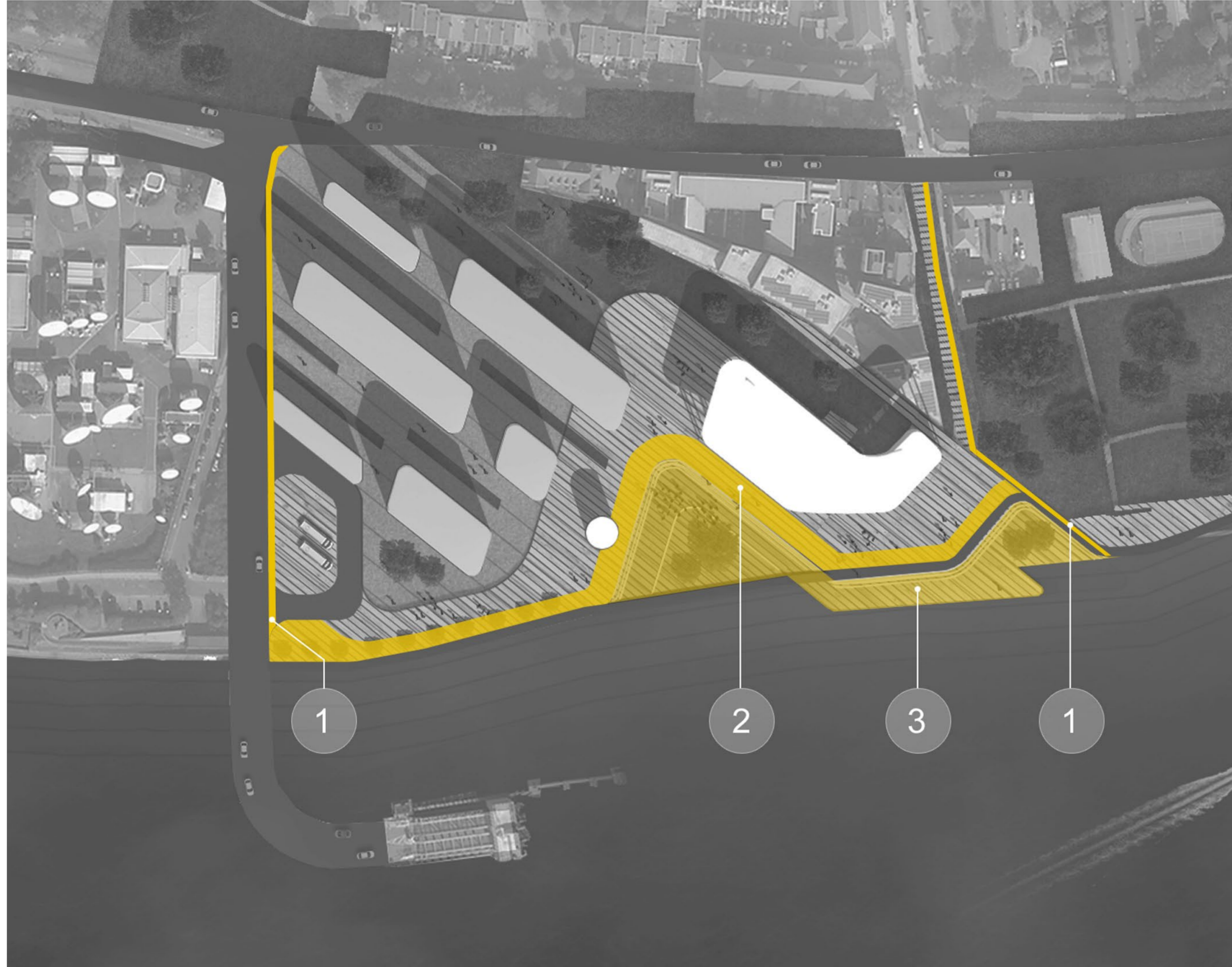


Cross section of the territory

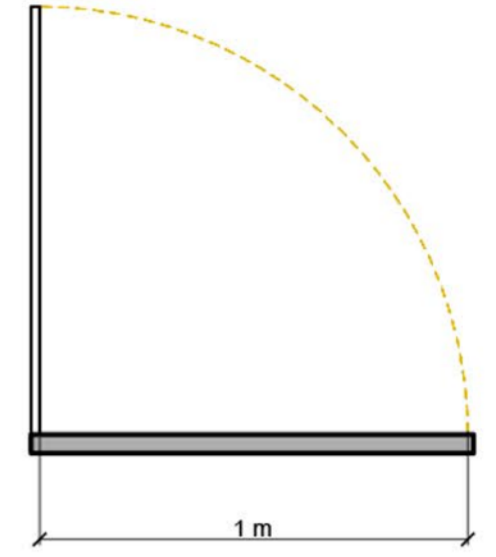


Longitudinal section of the territory

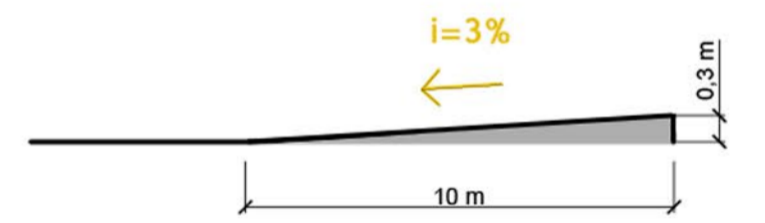




1. Movable barriers

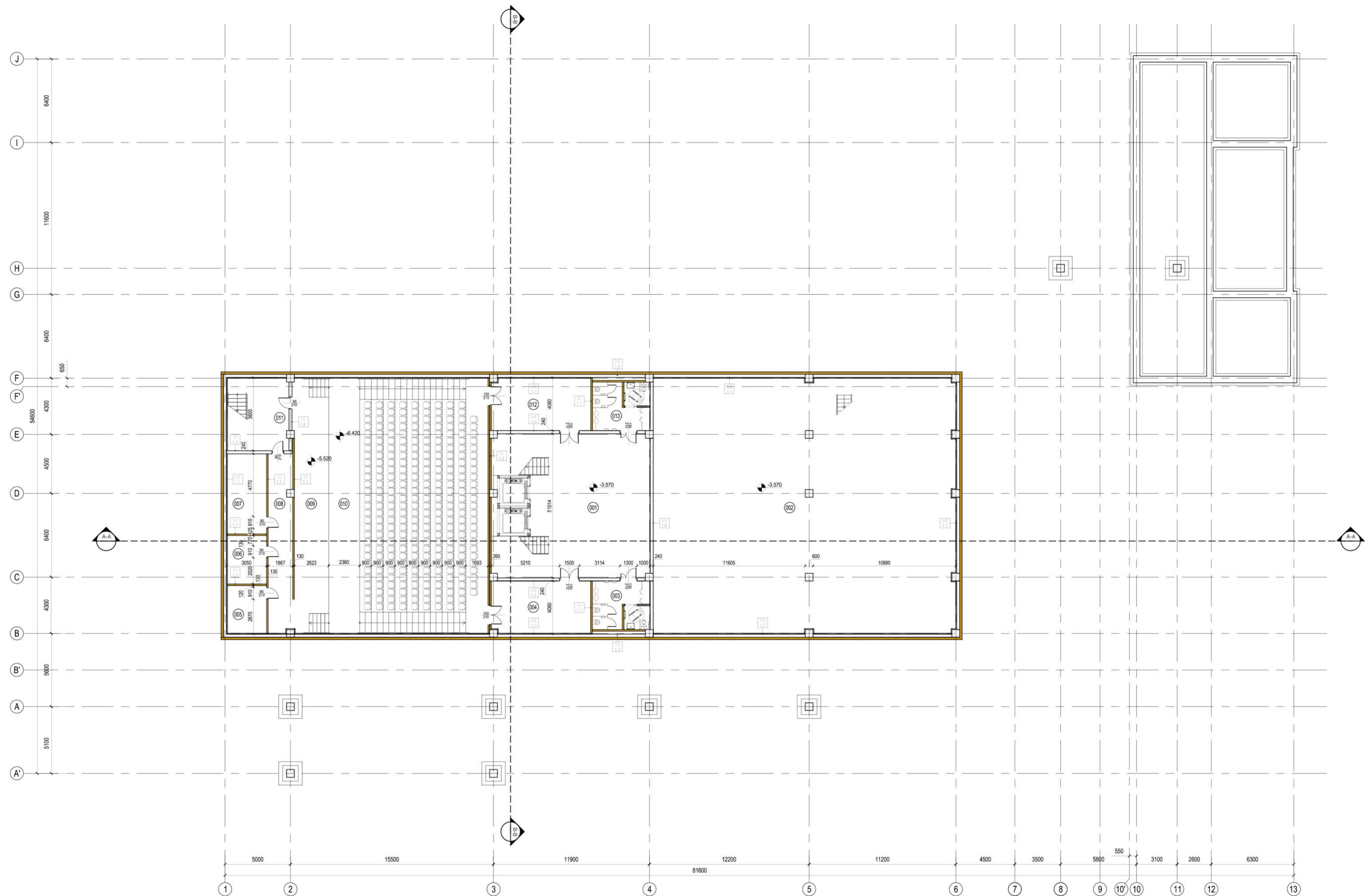


2. Artificial slope 3%



3. Stairs

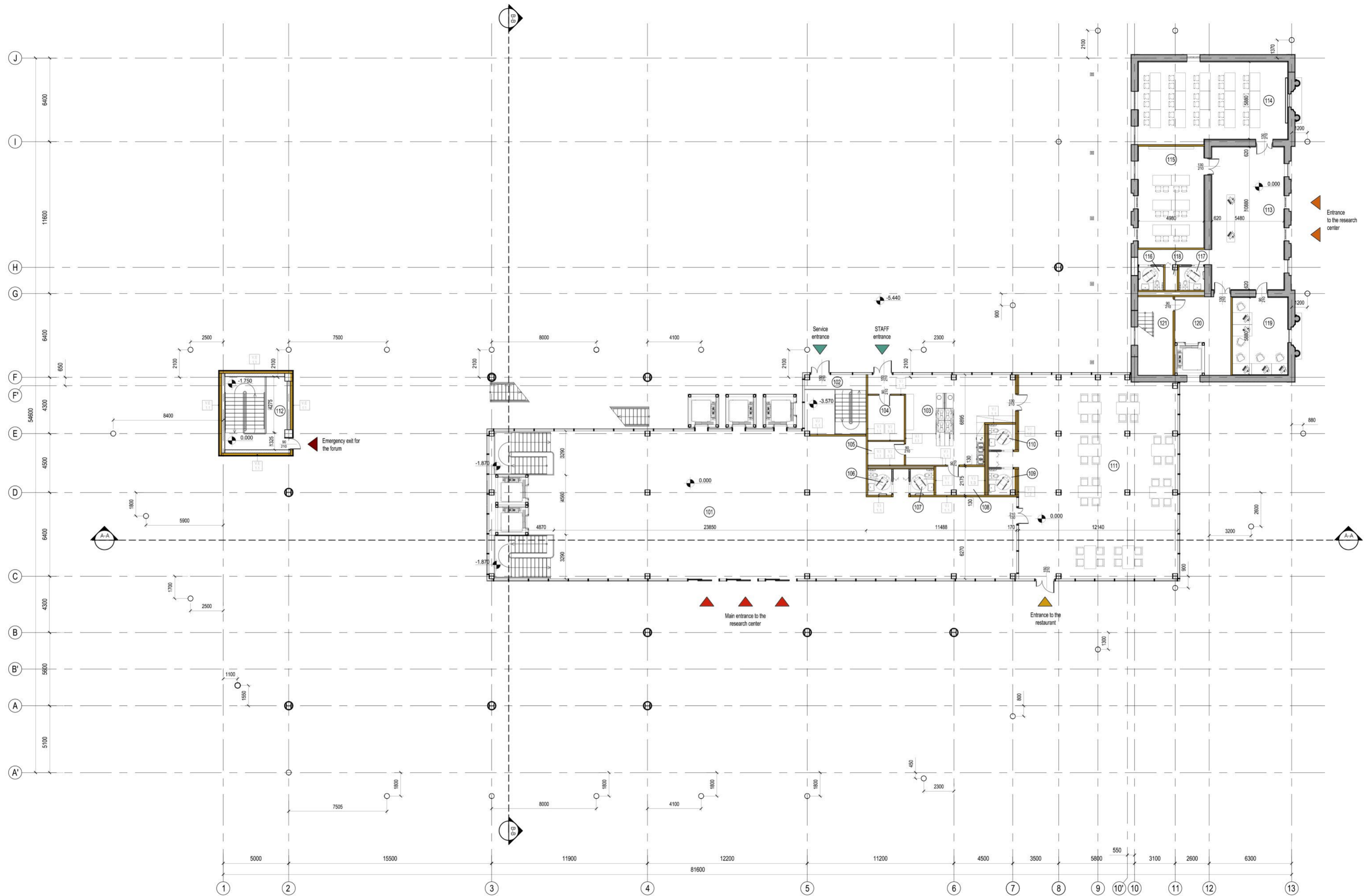




LEGEND

001	Foyer	119.0 mm ²	006	Changing room	11.0 mm ²	011	Emergency staircase	20.8 mm ²
002	Technical space	447.8 mm ²	007	Changing room	18.2 mm ²	012	Corridor	30.1 mm ²
003	Restrooms	16.3 mm ²	008	Corridor	20.5 mm ²	013	Restrooms	10.3 mm ²
004	Corridor	30.1 mm ²	009	Stage	56.7 mm ²	Total		1029.2 mm ²
005	Changing room	10.8 mm ²	010	Forum	237.6 mm ²			





LEGEND

101	Foyer / Hall	382.1 mm ²	106	Restrooms	3.6 mm ²	111	Dining hall	188.2 mm ²	116	Restrooms	3.5 mm ²	121	Emergency staircase	16.4 mm ²
102	Technical entrance	212.2 mm ²	107	Restrooms	3.6 mm ²	112	Emergency staircase	26.4 mm ²	117	Restrooms	3.5 mm ²	Total		1047.9 mm ²
103	Kitchen	54.2 mm ²	108	Storeroom	7.9 mm ²	113	Hall	66.7 mm ²	118	Storeroom	1.7 mm ²			
104	Storeroom	9.6 mm ²	109	Restrooms	3.9 mm ²	114	Work station	6.9 mm ²	119	Workstation	24.9 mm ²			
105	Storeroom	5.0 mm ²	110	Restrooms	3.9 mm ²	115	Work station	38.7 mm ²	120	Hall	20.1 mm ²			

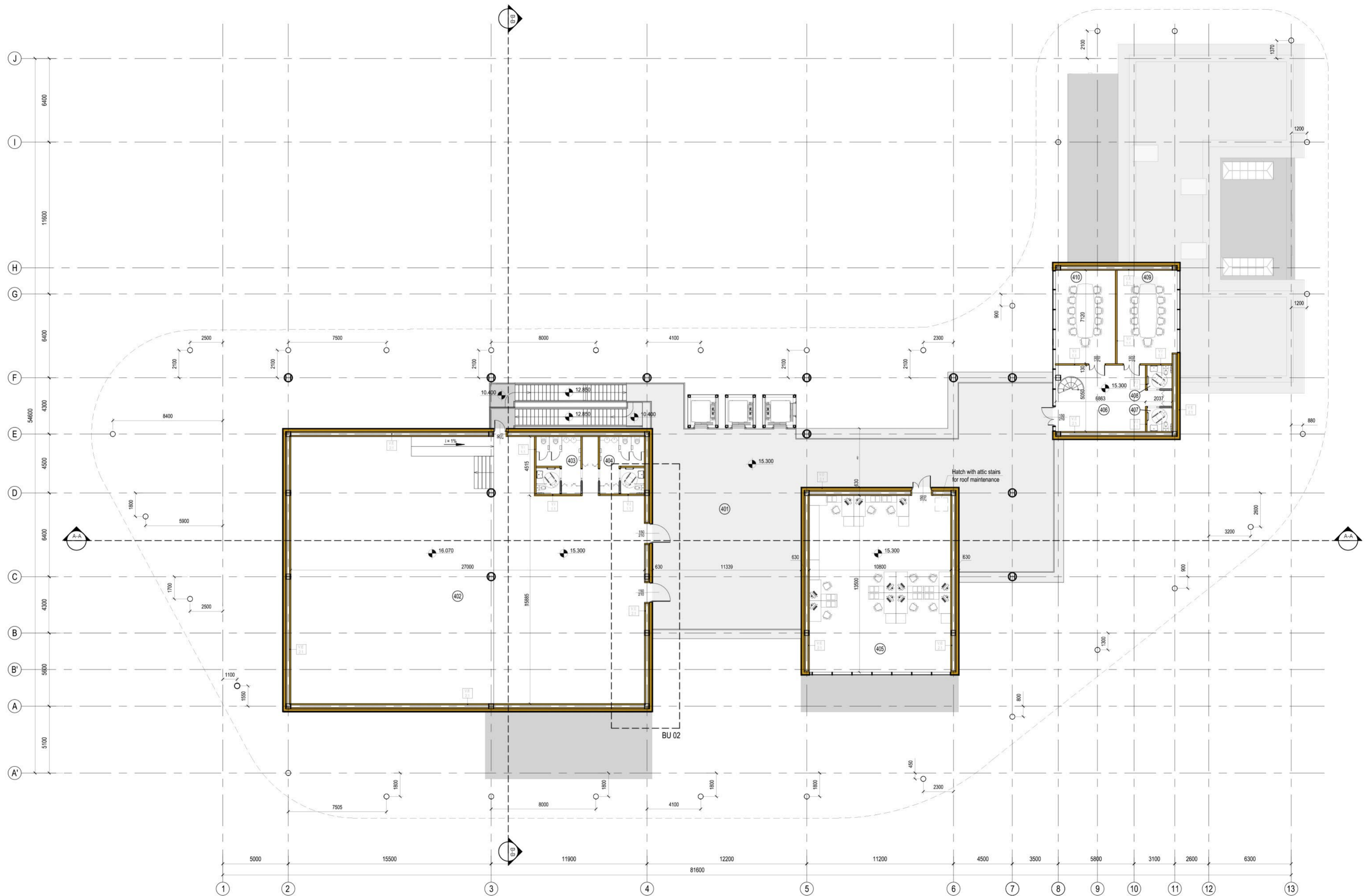




LEGEND

201	Open square	491.2 mm ²	206	Storeroom	15.9 mm ²	211	Restrooms	16.7 mm ²	216	IT suit	36.5 mm ²
202	Hall	14.8 mm ²	207	Open studio	141.6 mm ²	212	Working area	78.6 mm ²	217	Restrooms	3.7 mm ²
203	Open studio	109.5 mm ²	208	Open studio	109.9 mm ²	213	Conference room	37.4 mm ²	218	Restrooms	3.7 mm ²
204	Storeroom	10.1 mm ²	209	Hall	37.6 mm ²	214	Emergency staircase	16.2 mm ²	219	Hall	14.9 mm ²
205	Hall	17.3 mm ²	210	Restrooms	15.8 mm ²	215	Hall	7.9 mm ²	220	IT suit	101.4 mm ²
									Total	1280.7 mm ²	

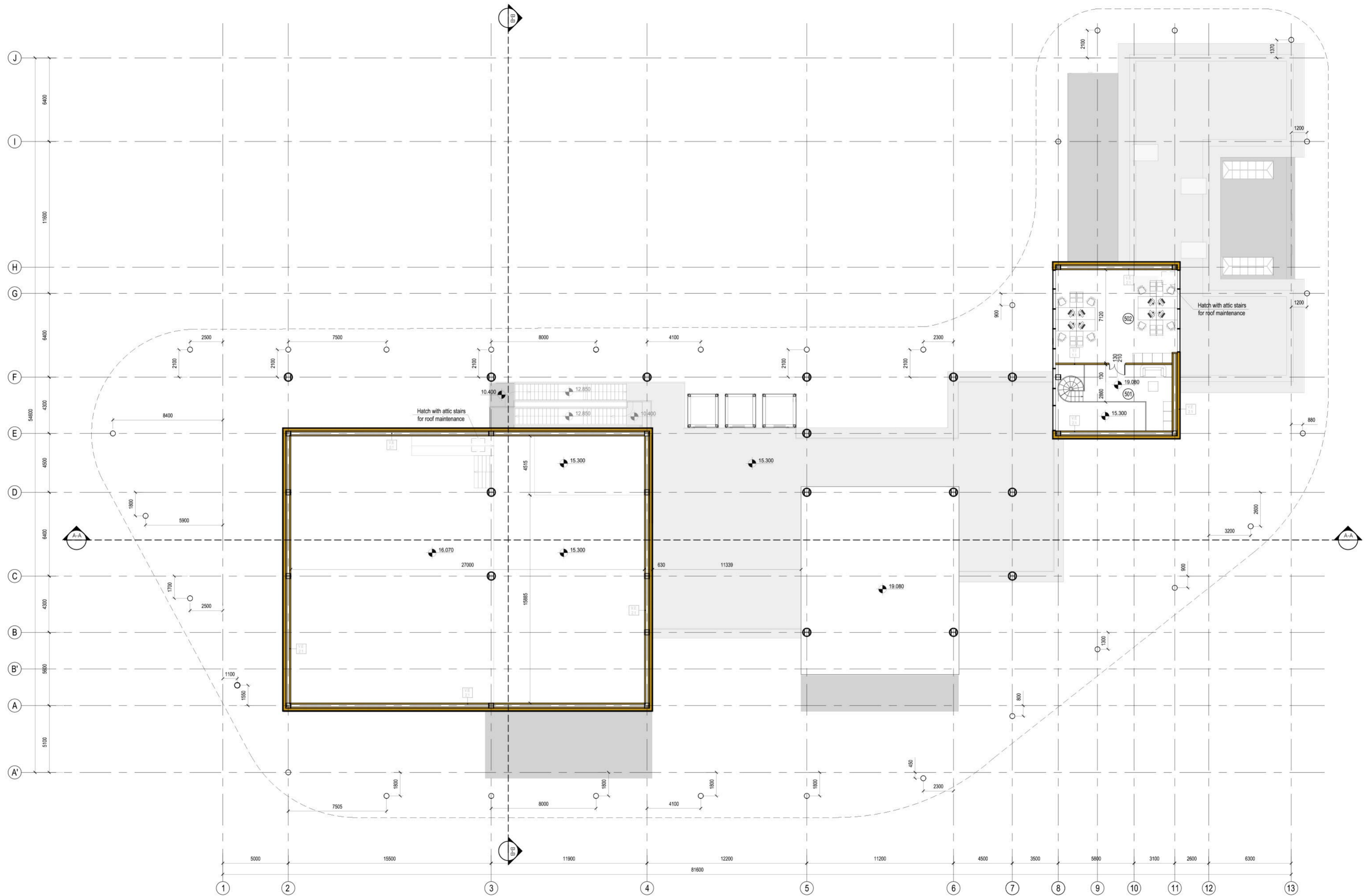




LEGEND

401	Open square	364.0 mm ²	406	Hall	36.9 mm ²
402	Exhibition area	518.3 mm ²	407	Restrooms	3.5 mm ²
403	Restrooms	14.9 mm ²	408	Restrooms	3.5 mm ²
404	Restrooms	14.9 mm ²	409	Conference room	32.3 mm ²
405	Work area	145.9 mm ²	410	Conference room	326 mm ²
			Total		1166.8 mm ²

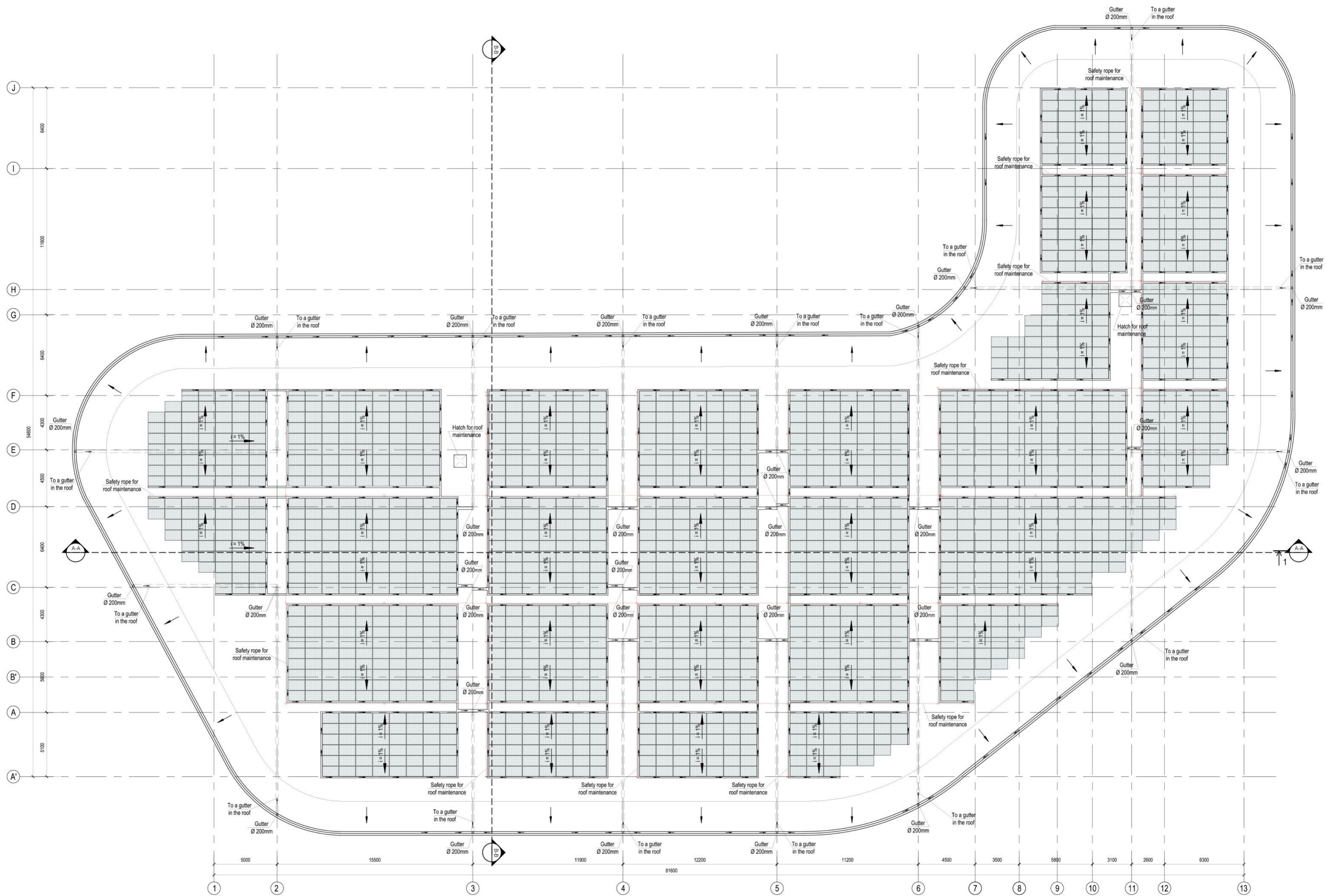


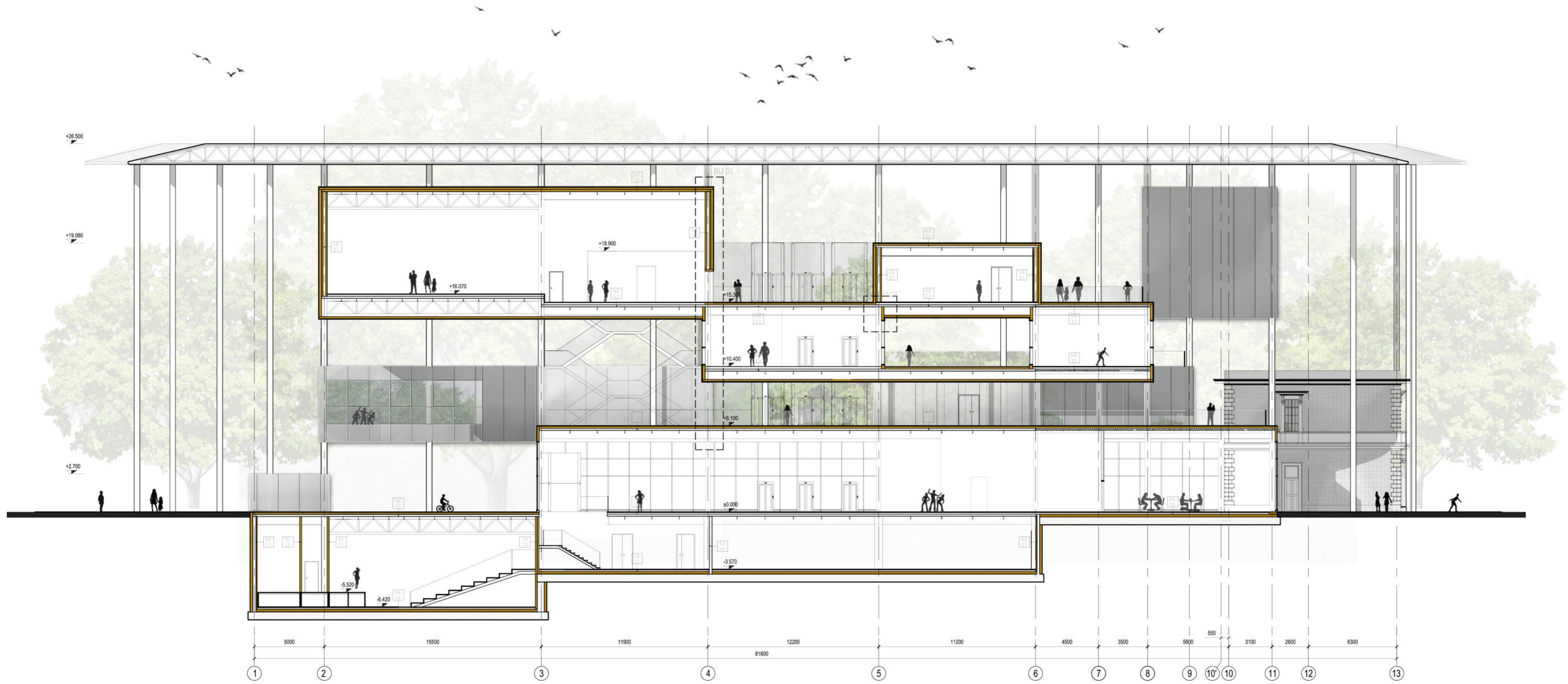


LEGEND

501	Hall	26.3 mm ²
502	Working area	65.9 mm ²
	Total	92.2 mm ²









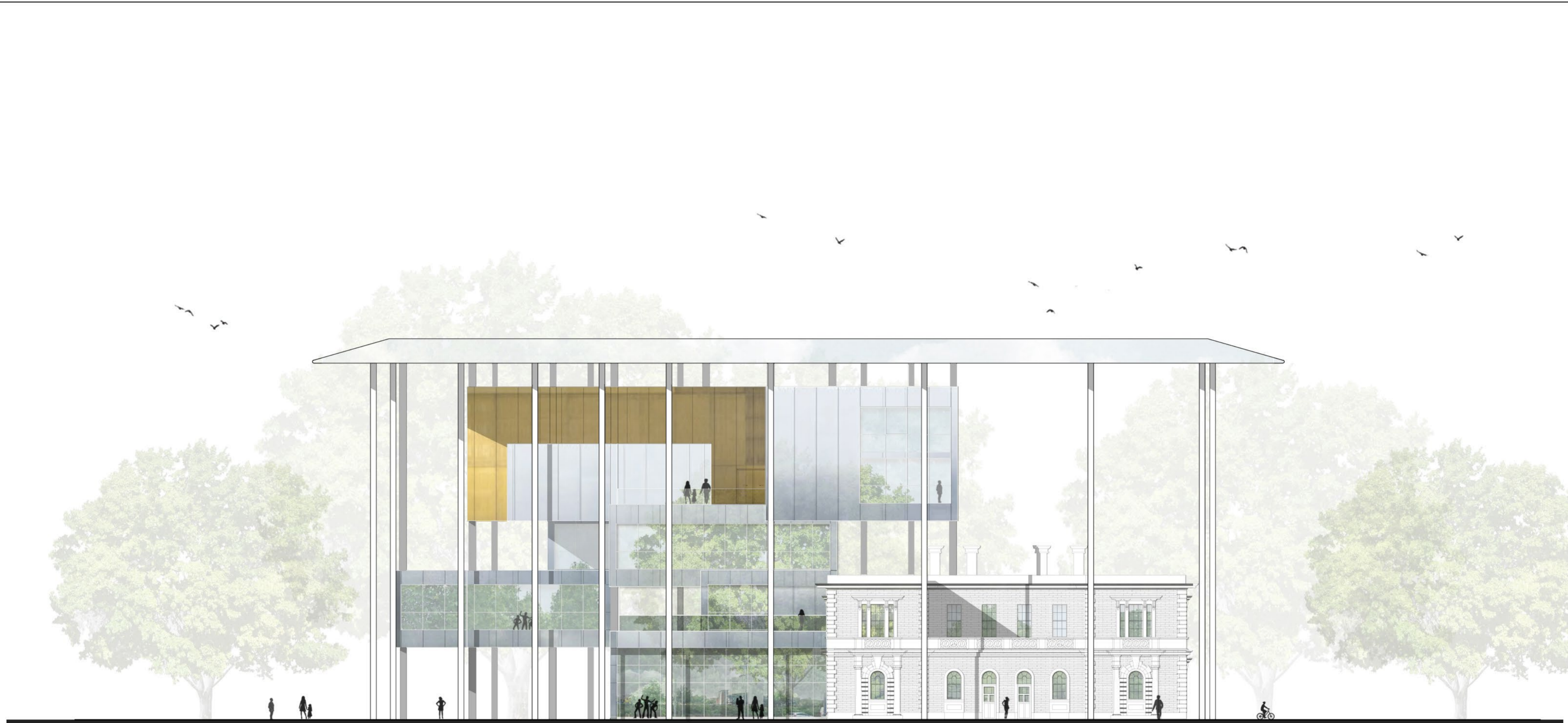


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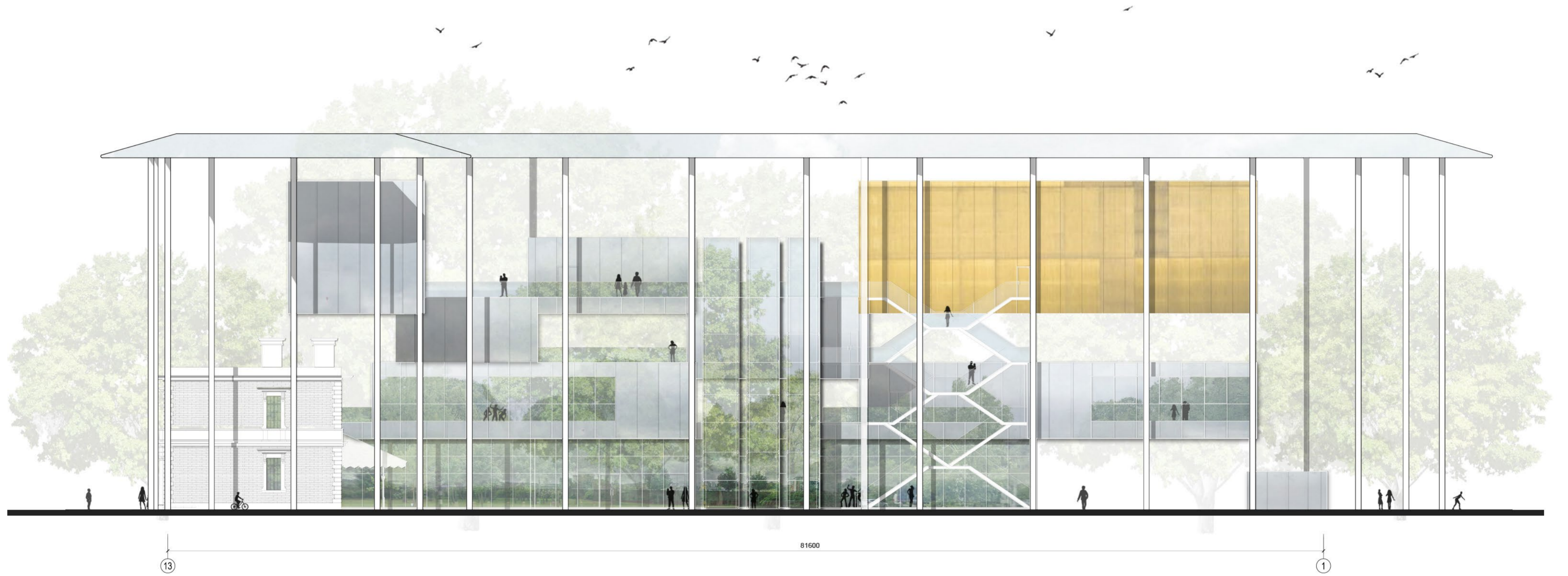
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A' 54600 J











Politecnico di Milano

View from the waterfront

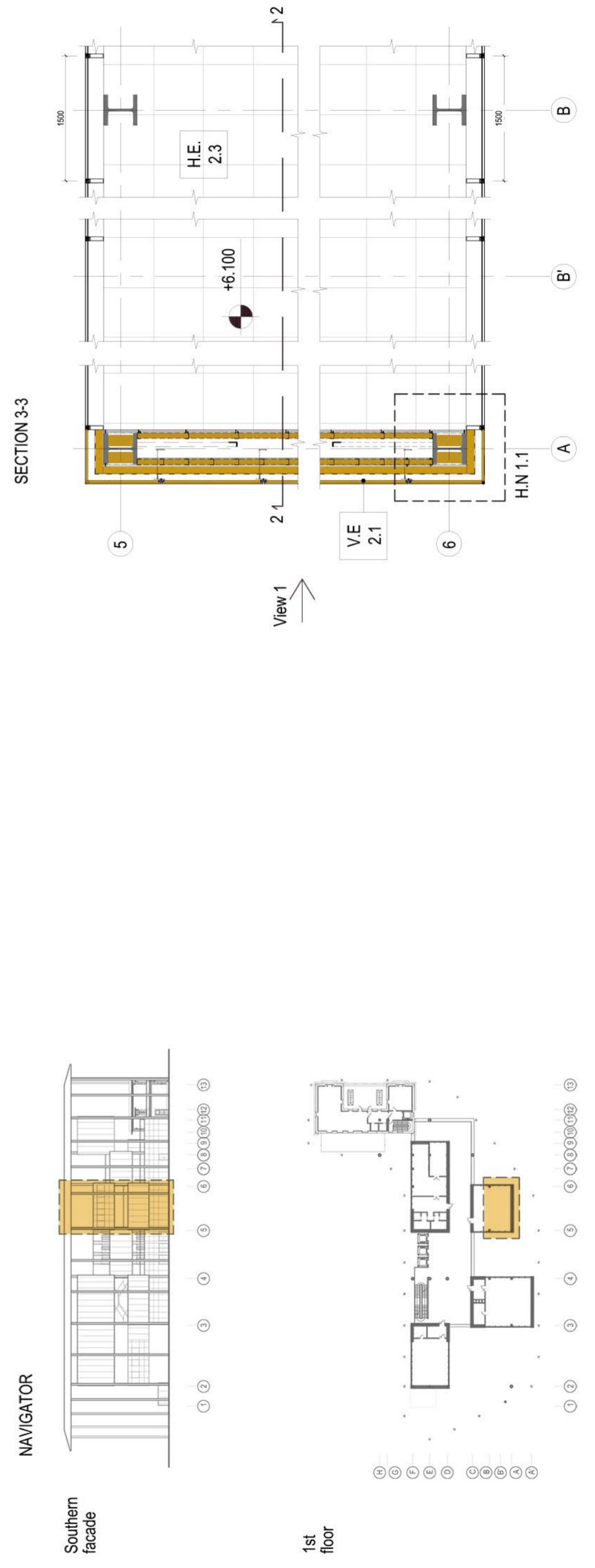
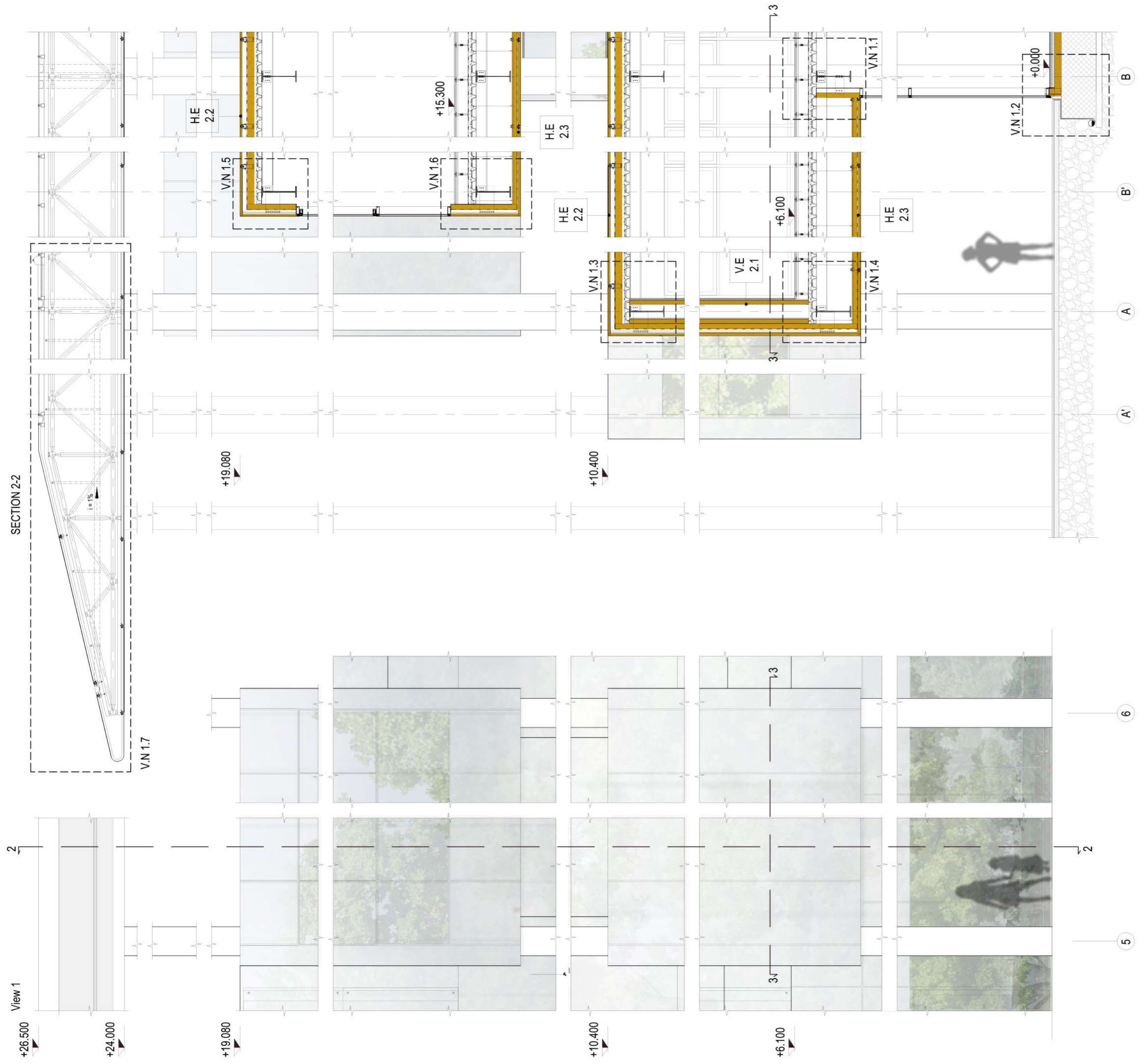
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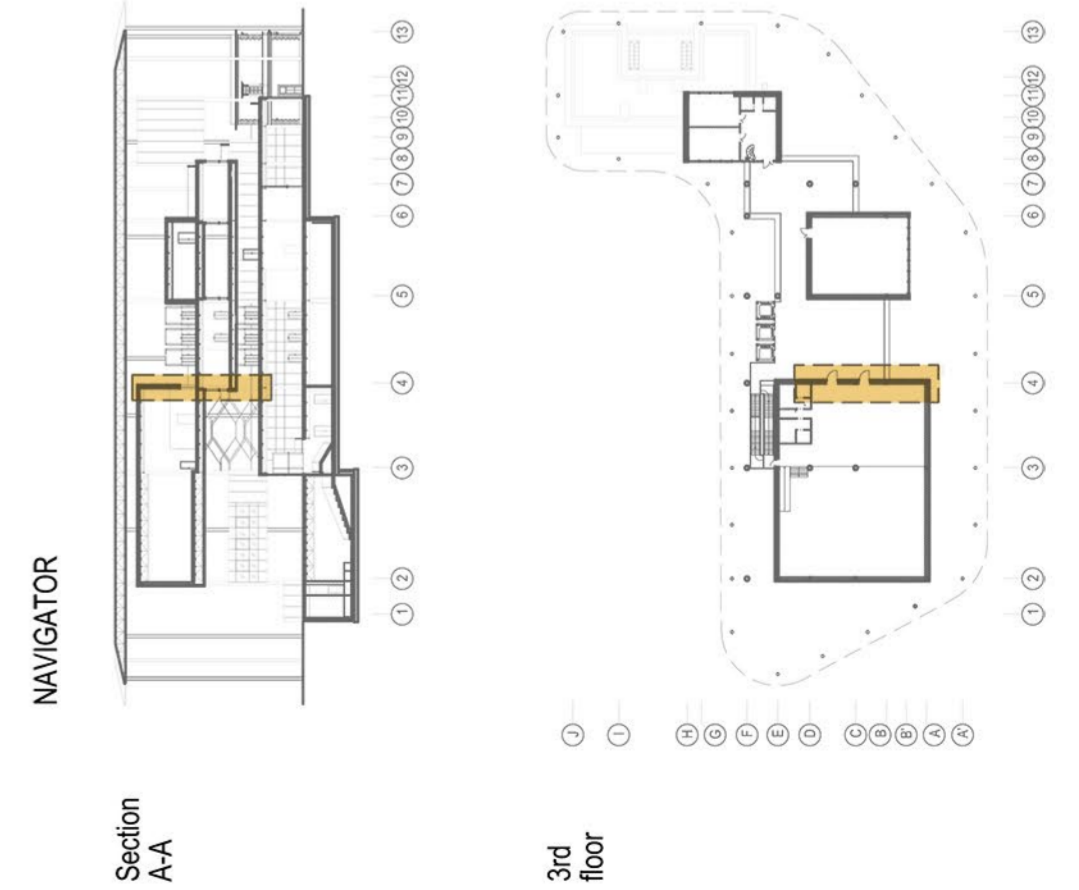
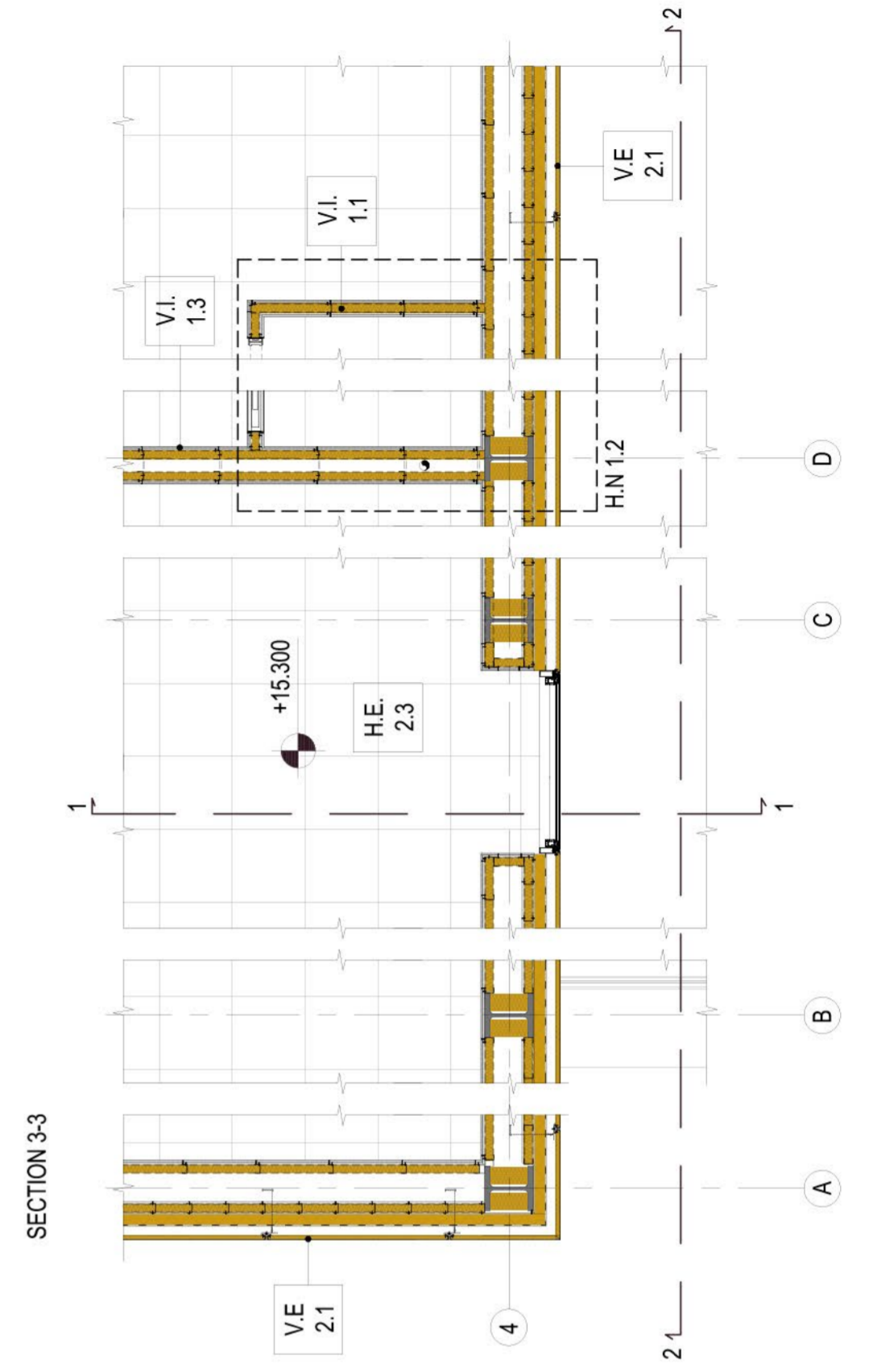
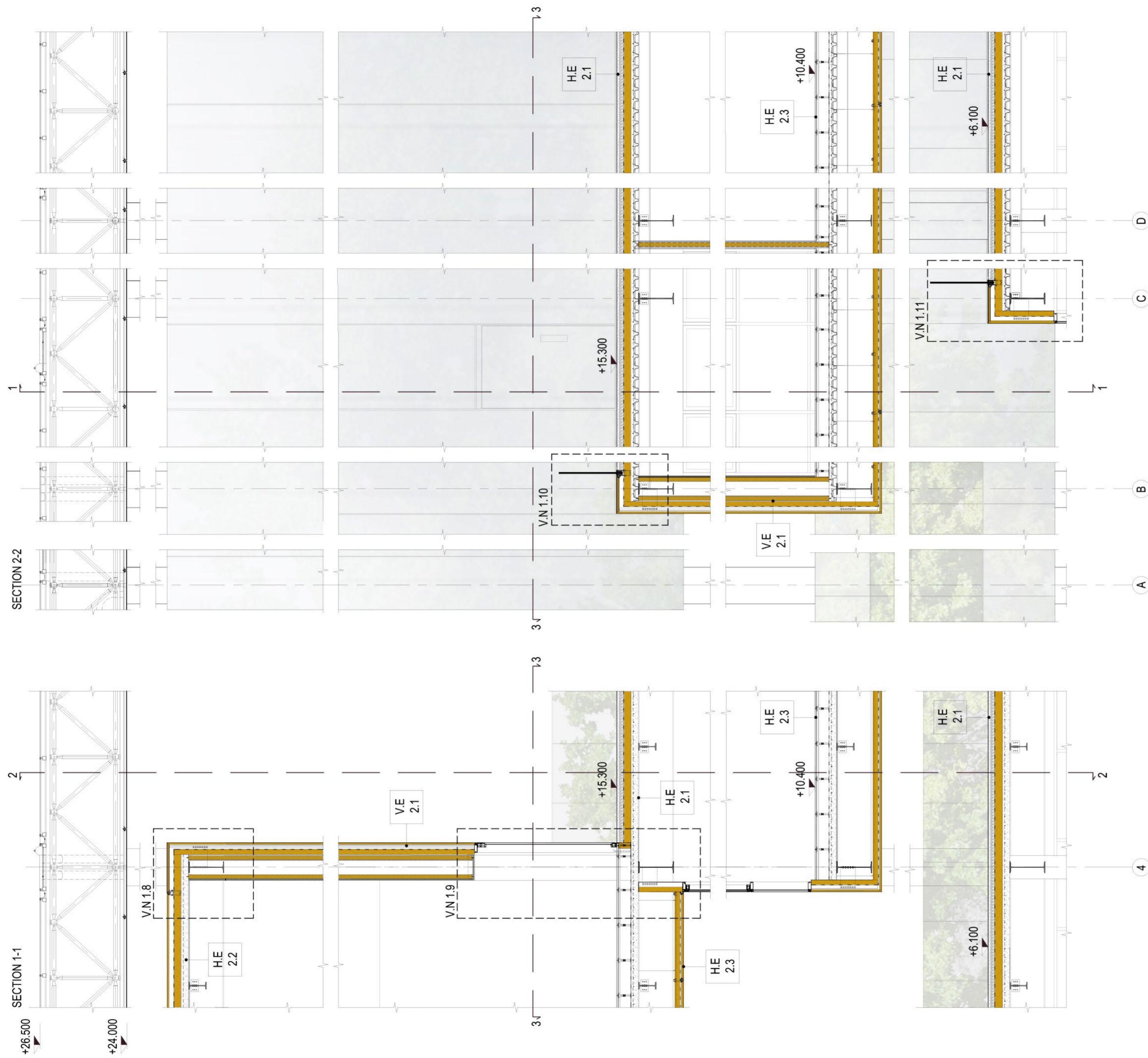
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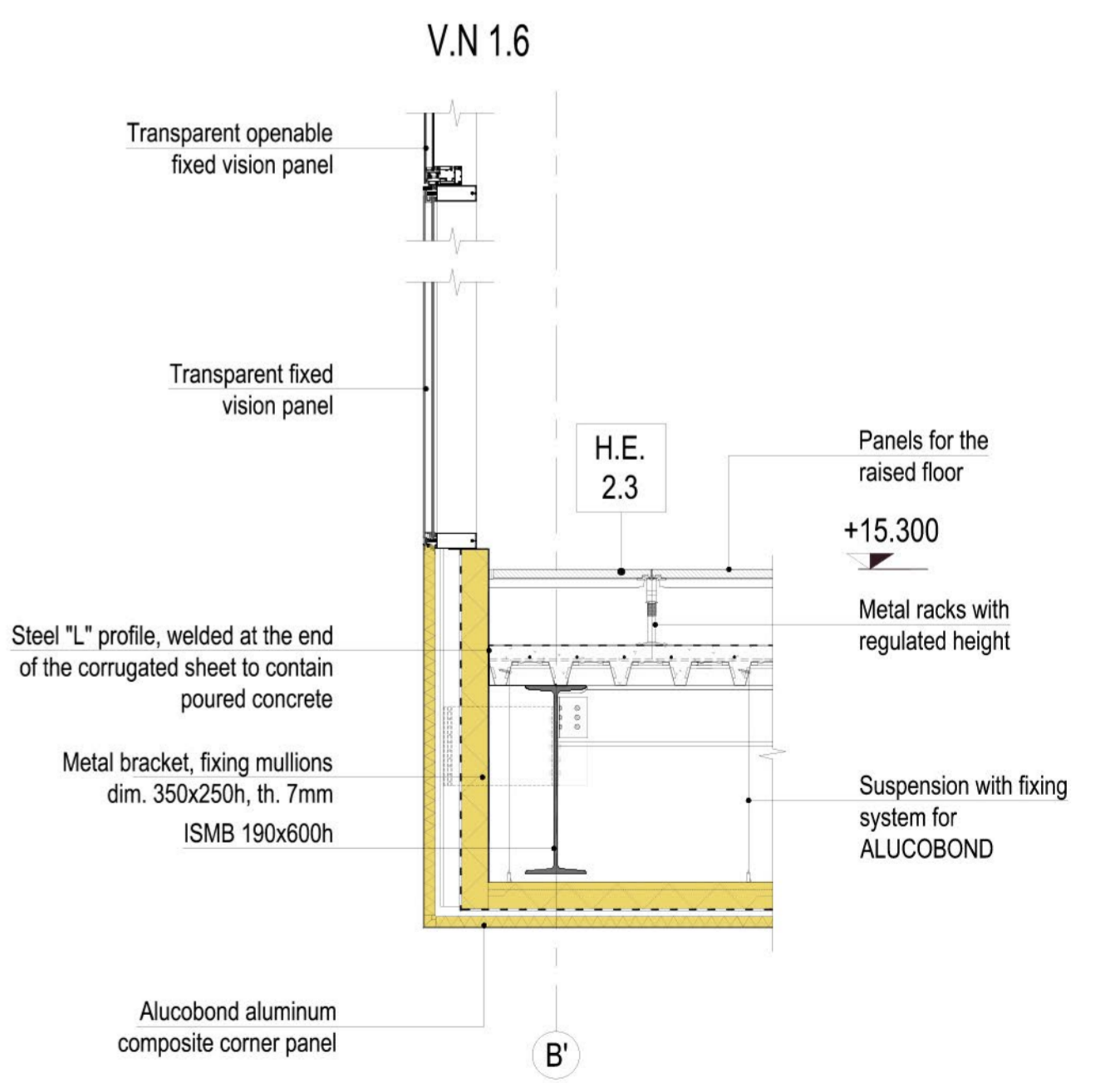
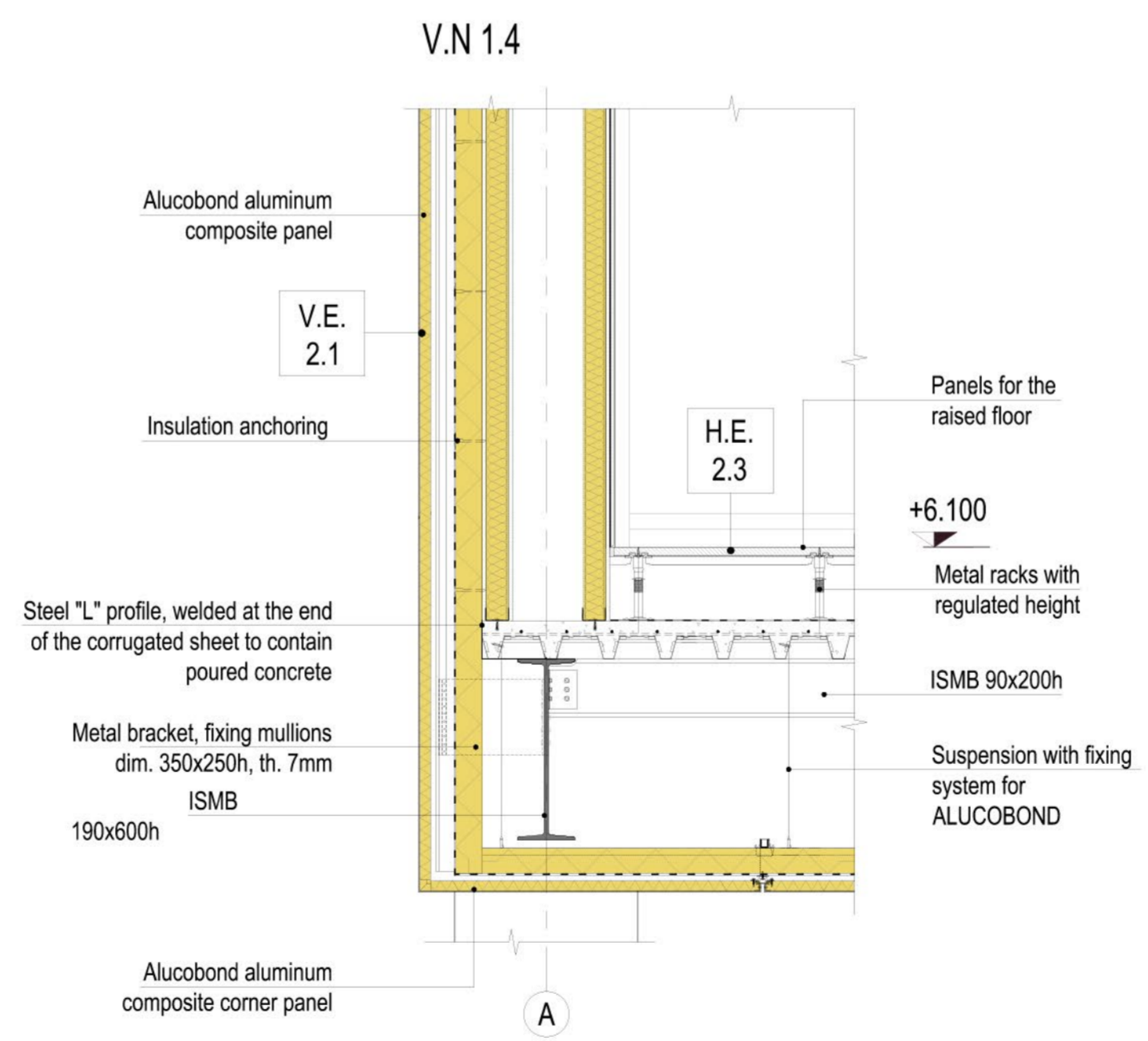
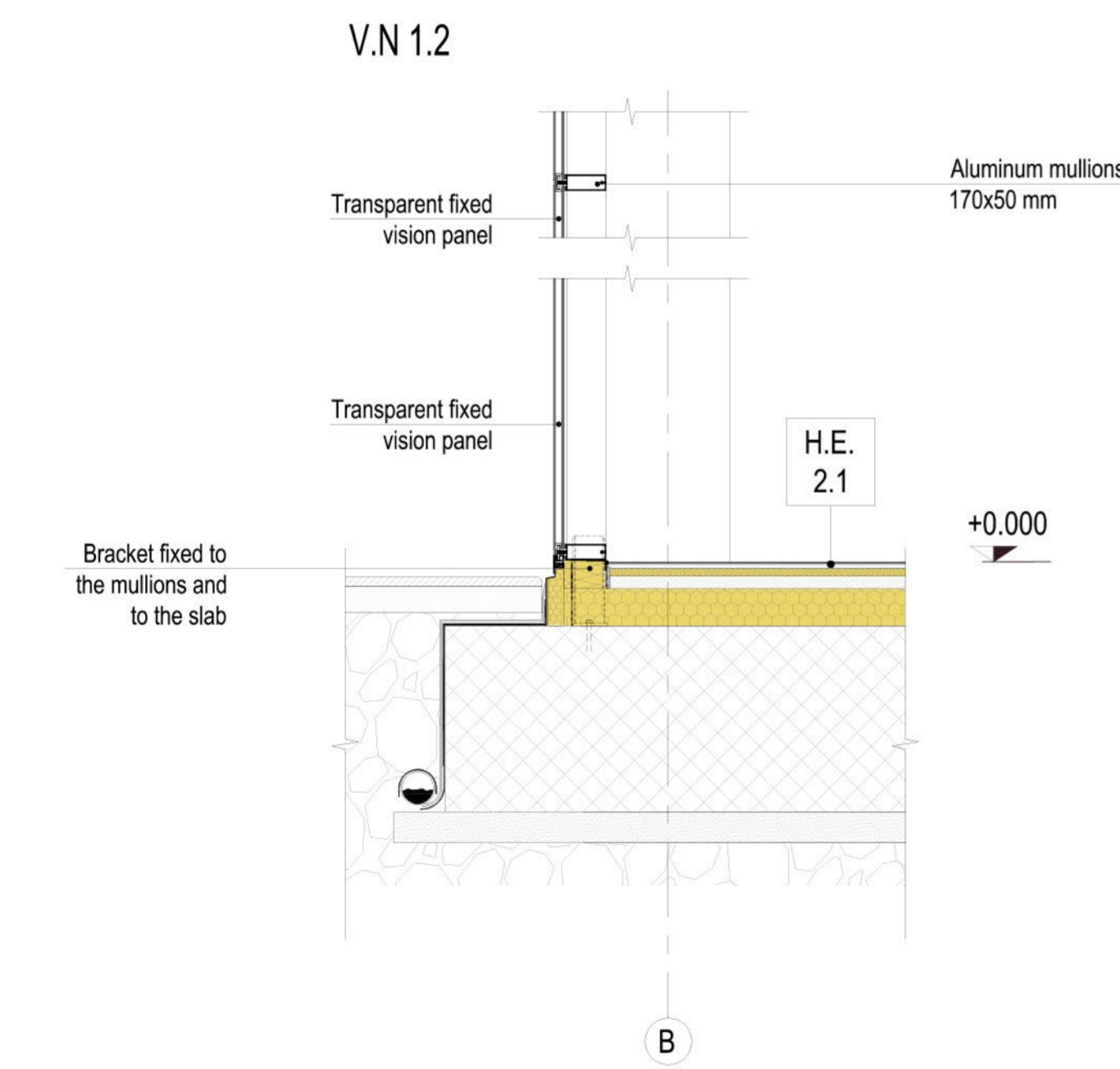
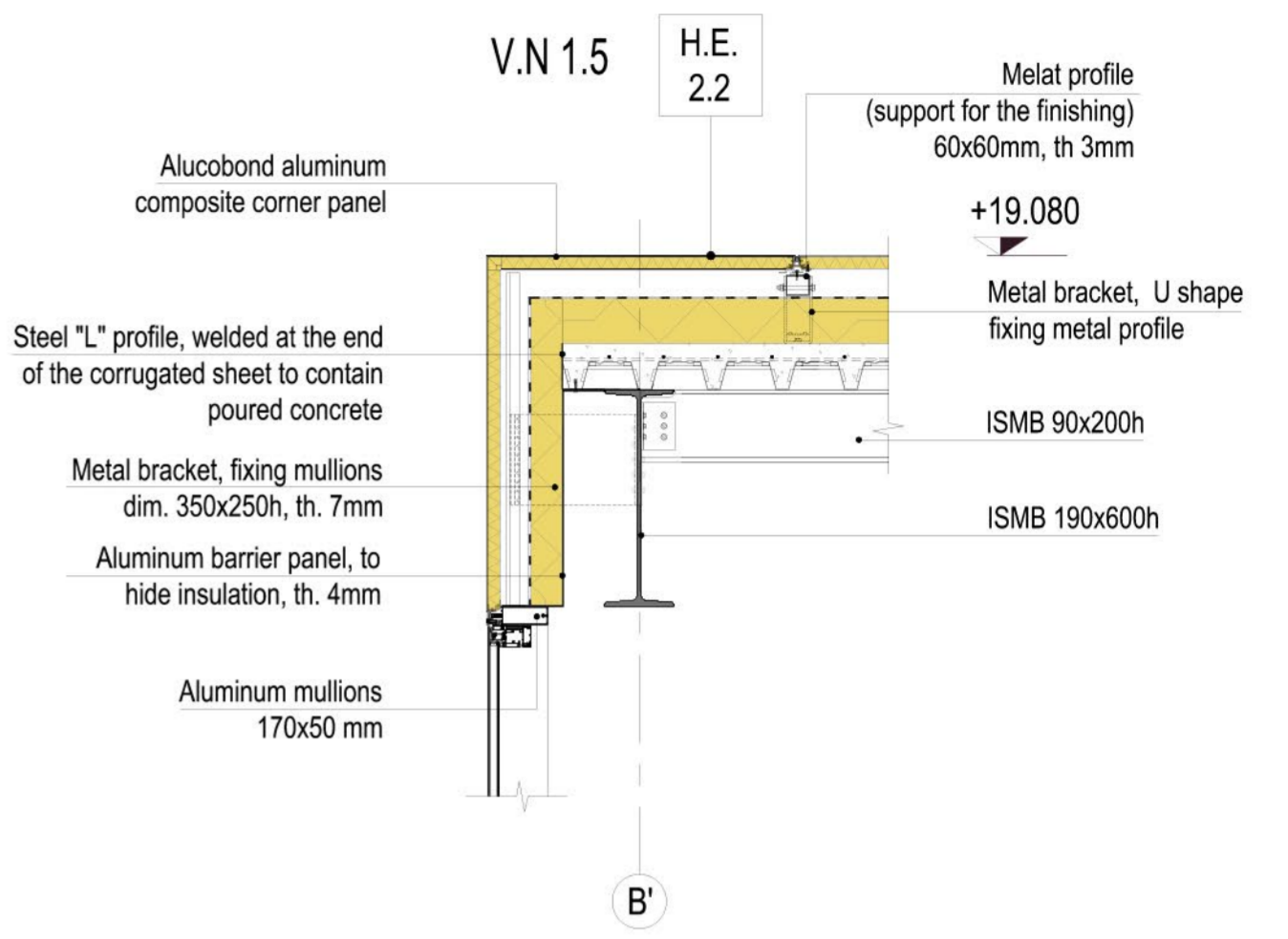
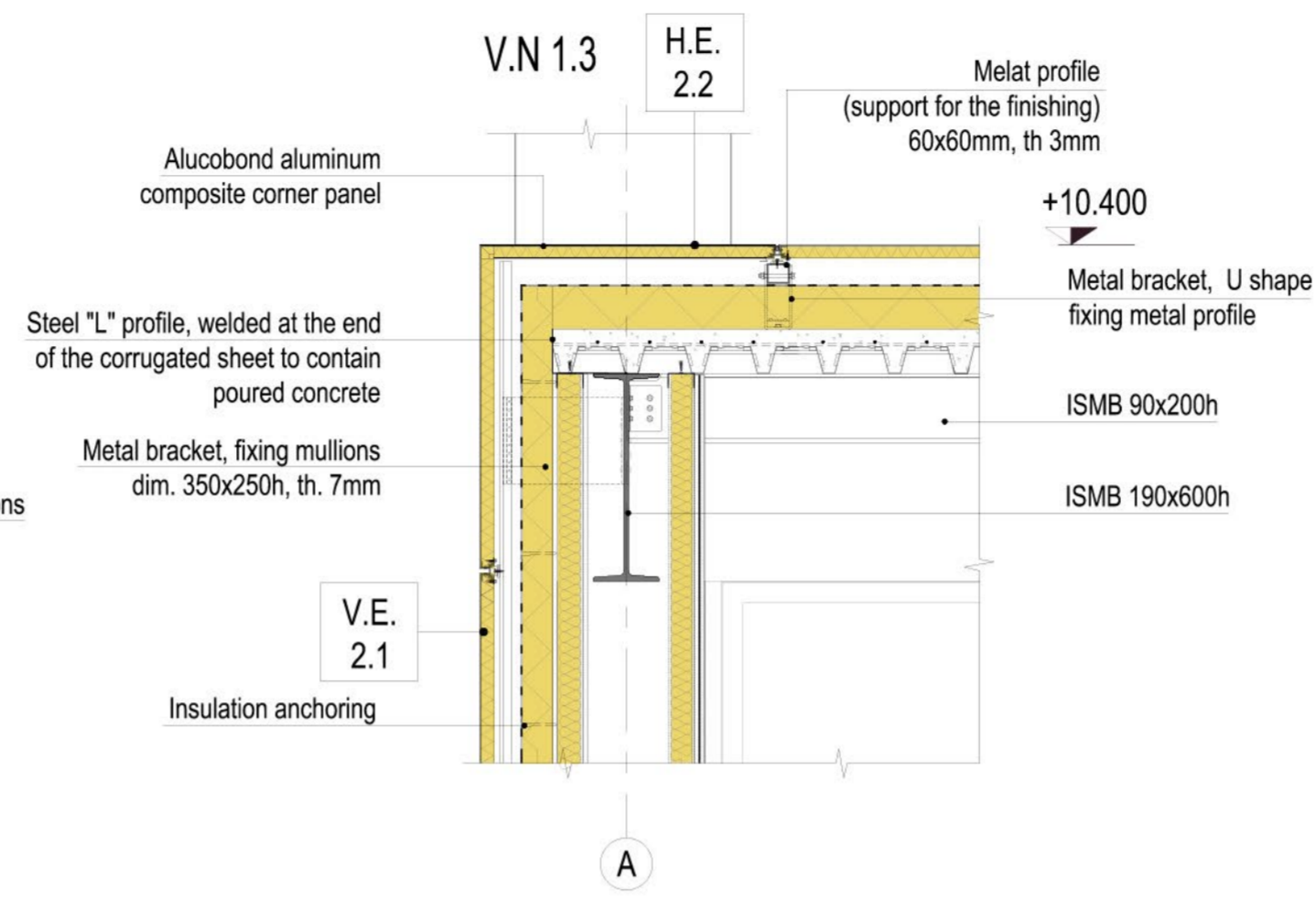
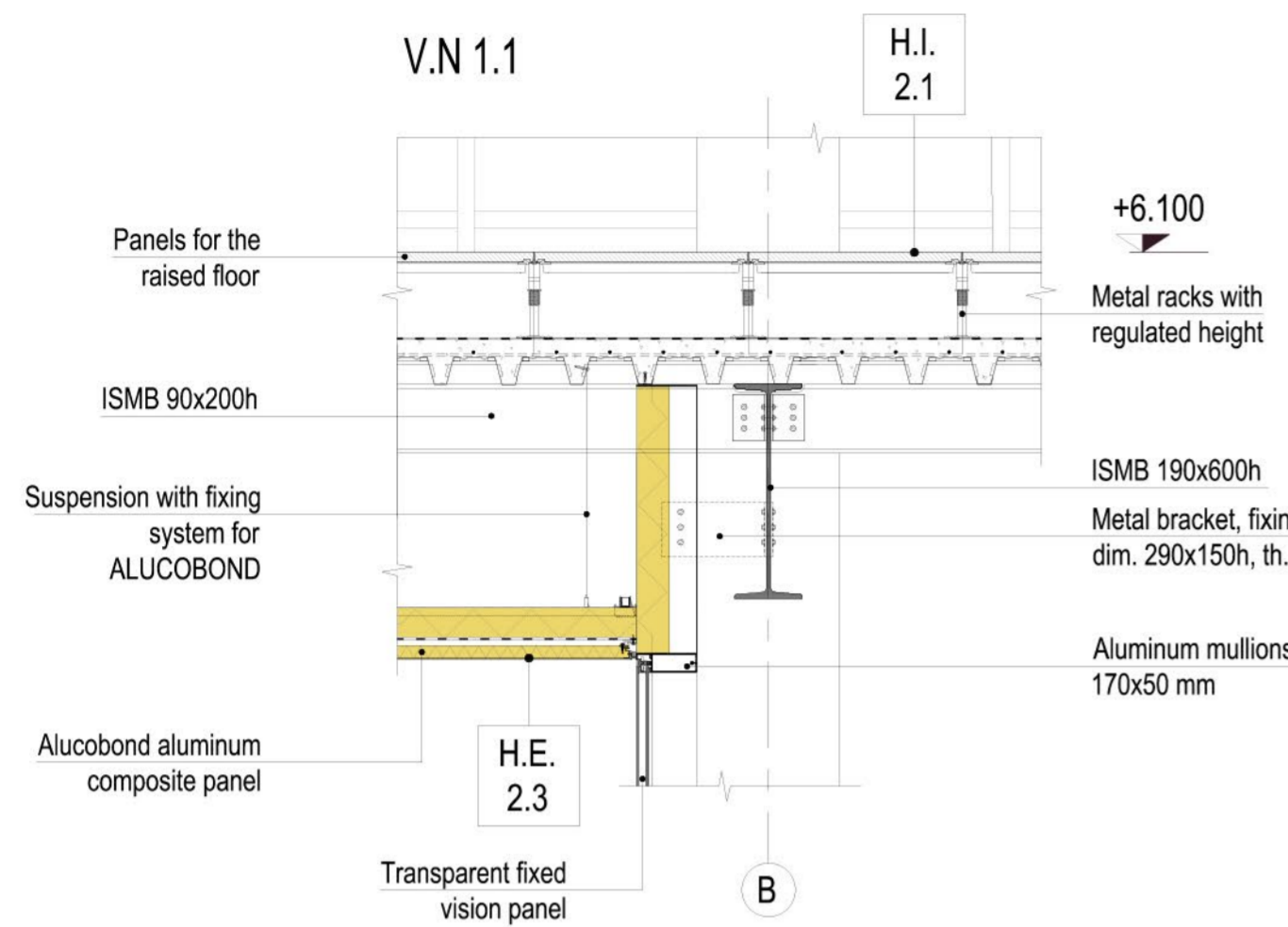


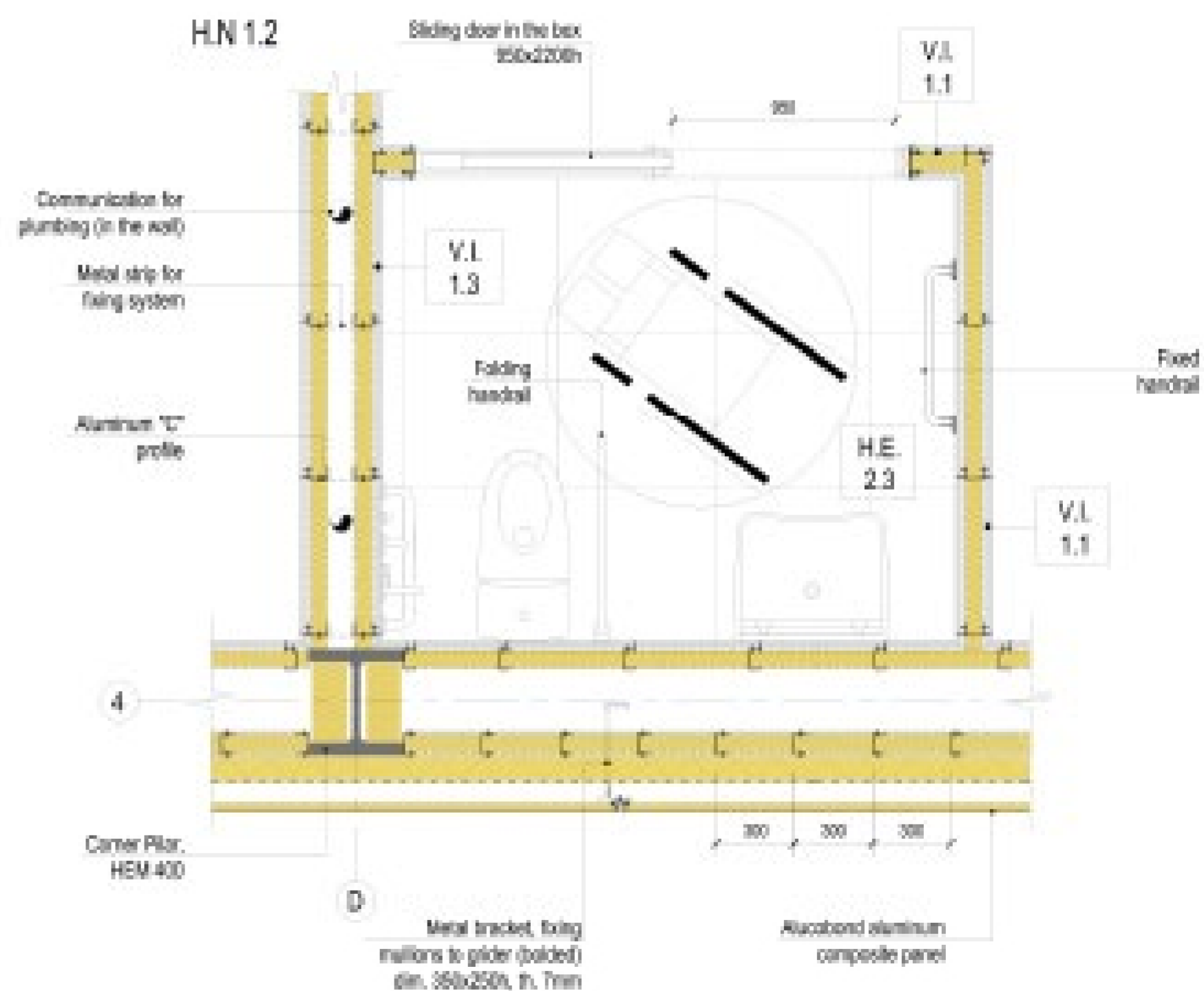
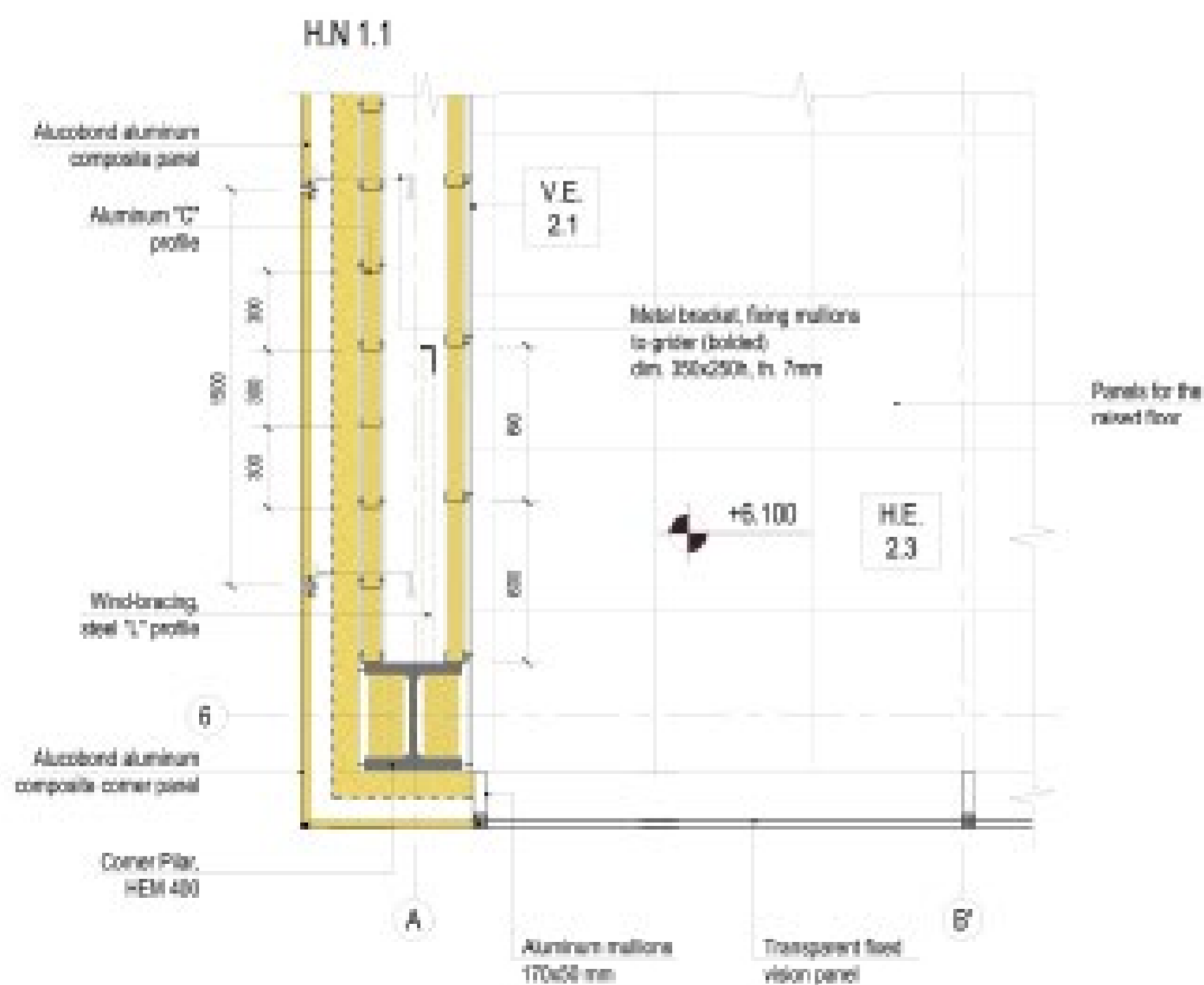
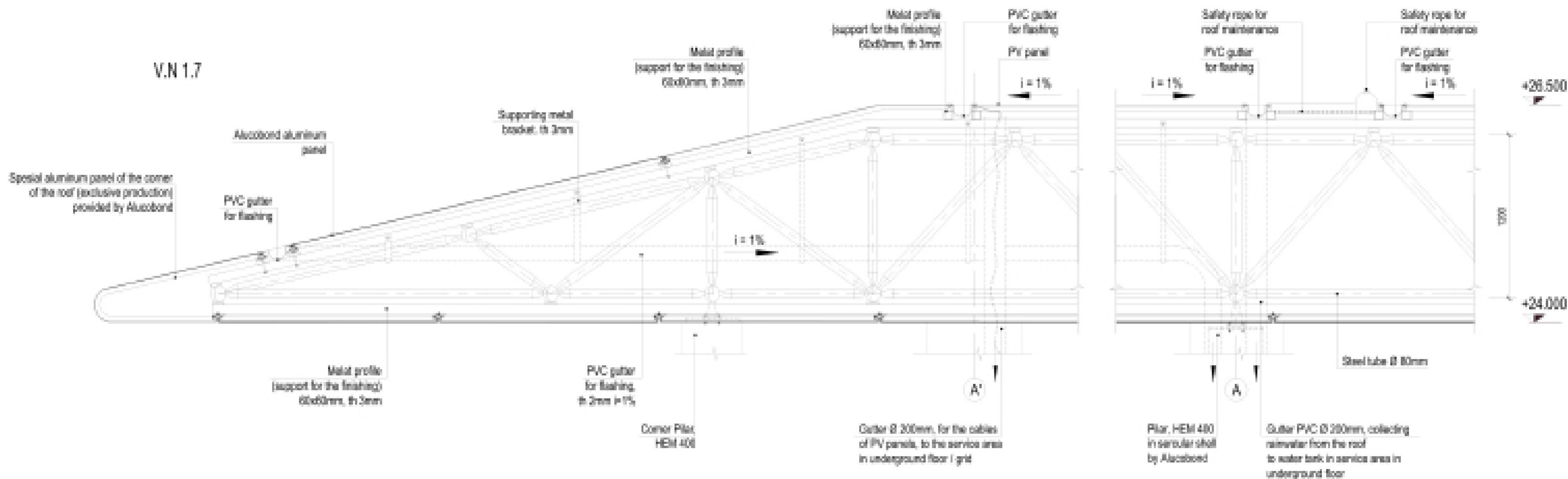




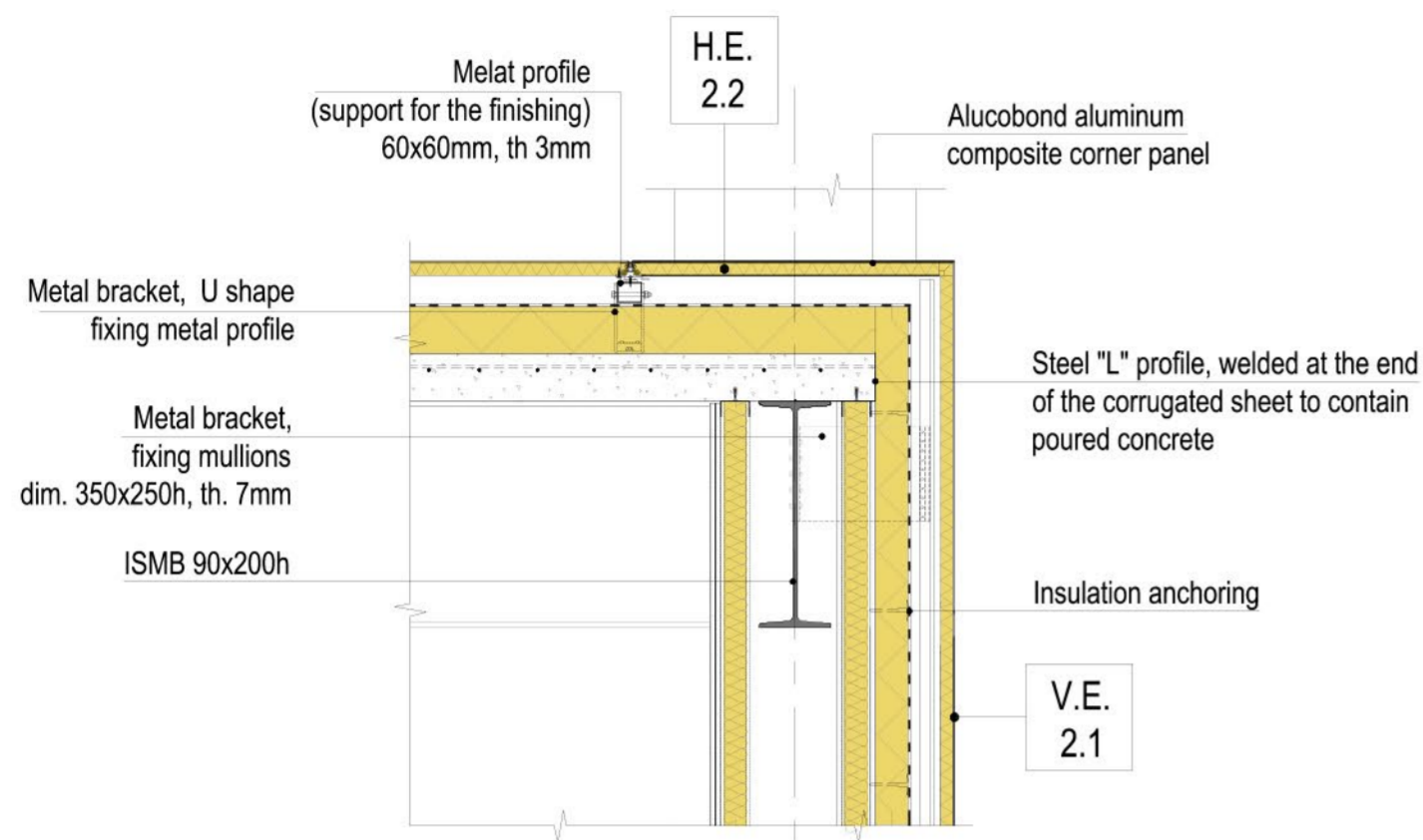




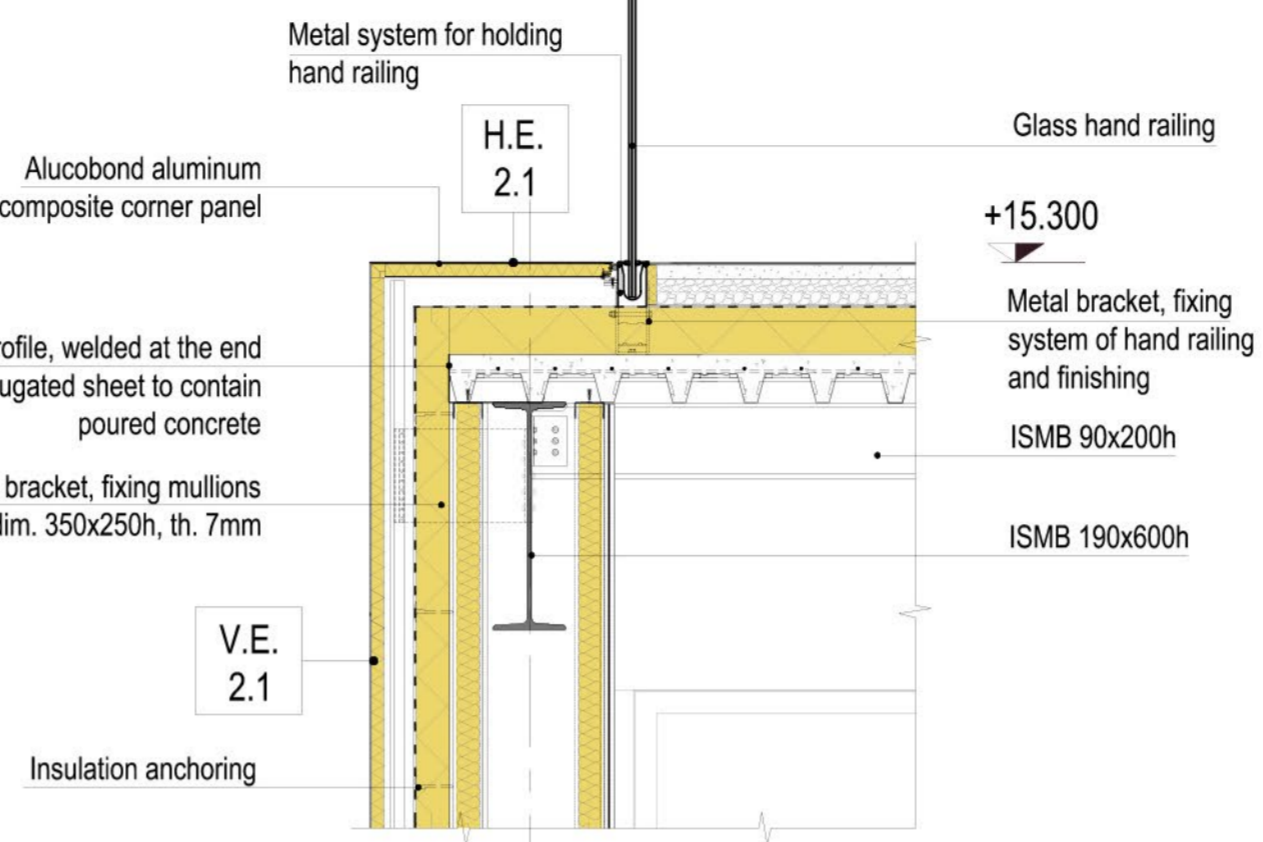




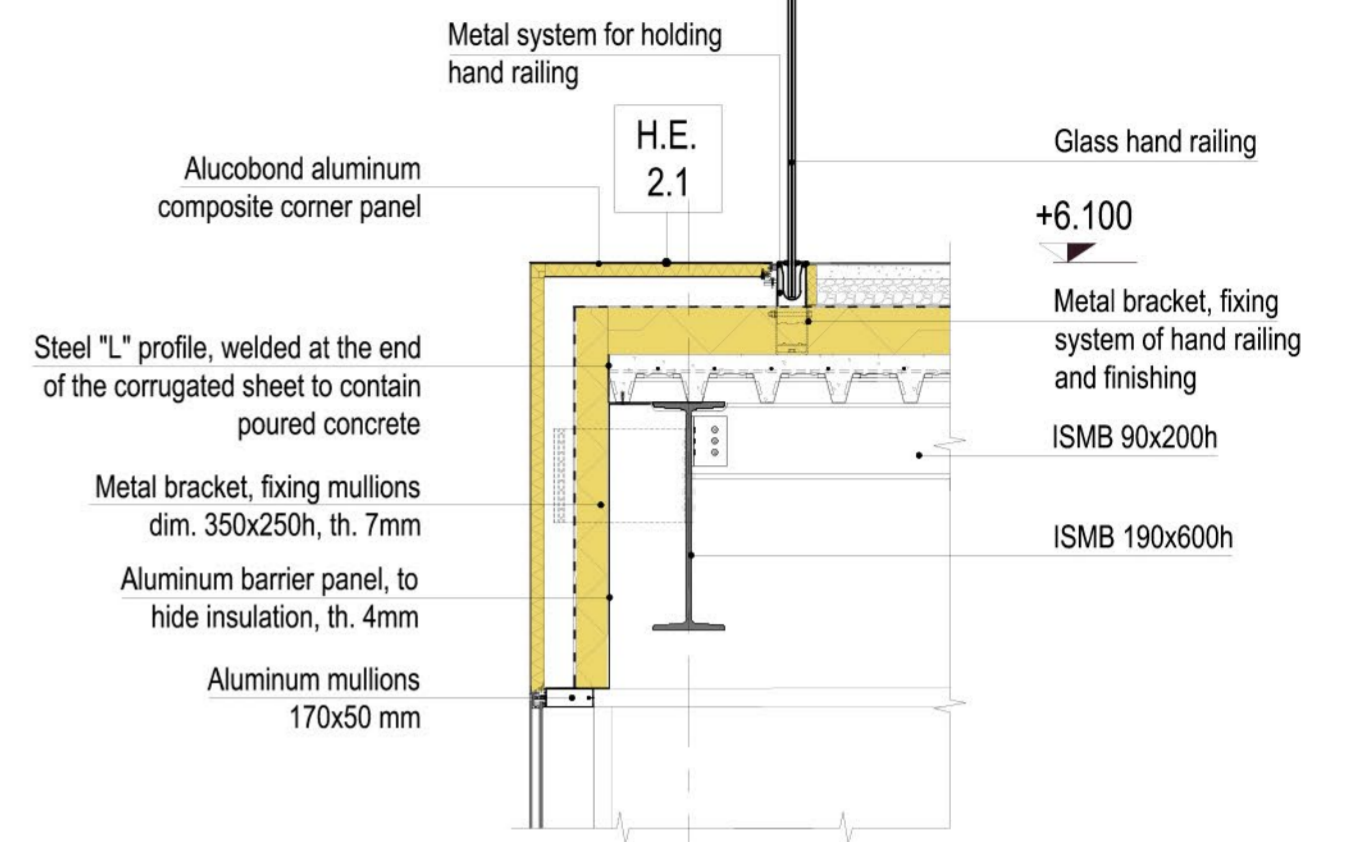
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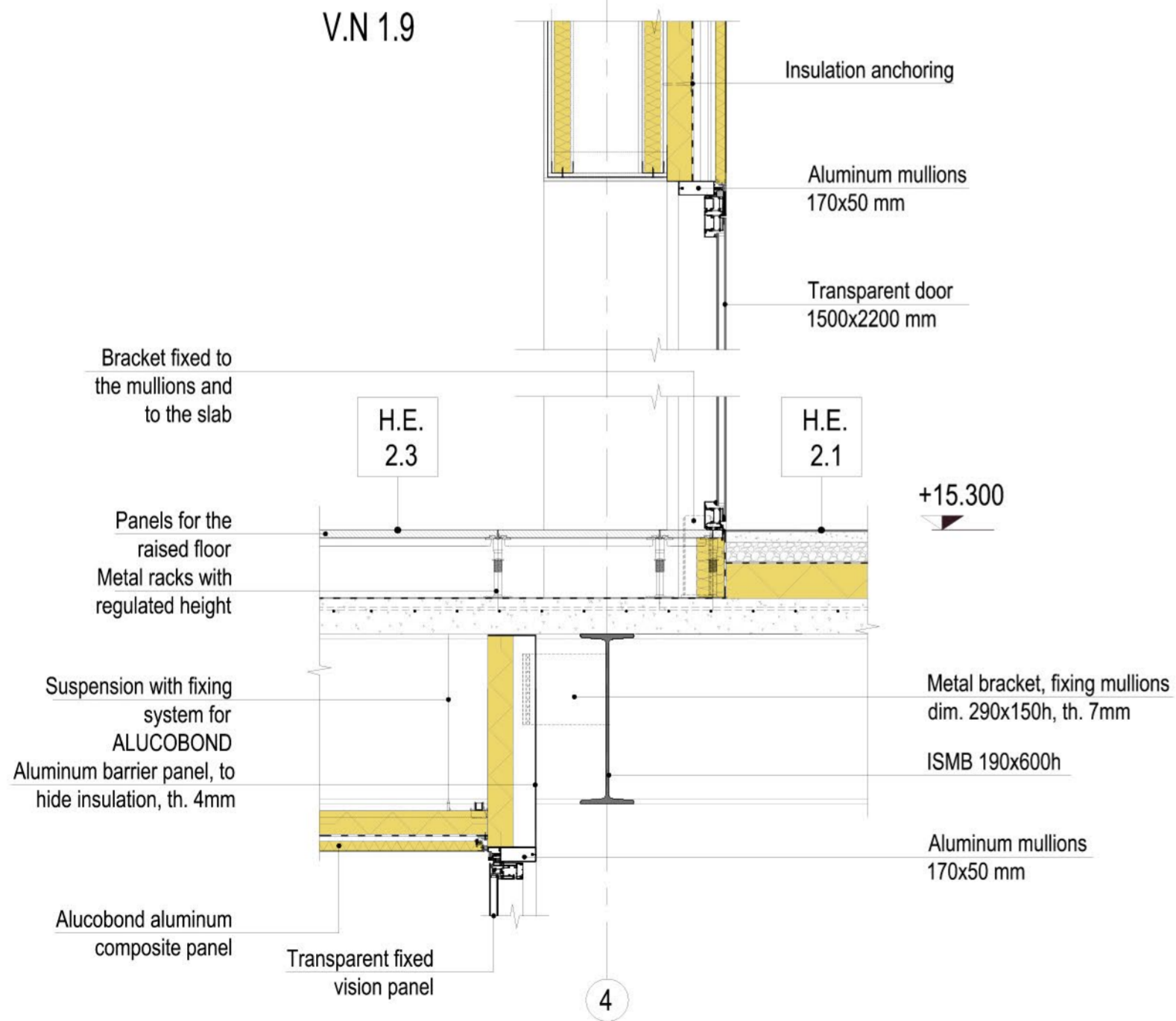
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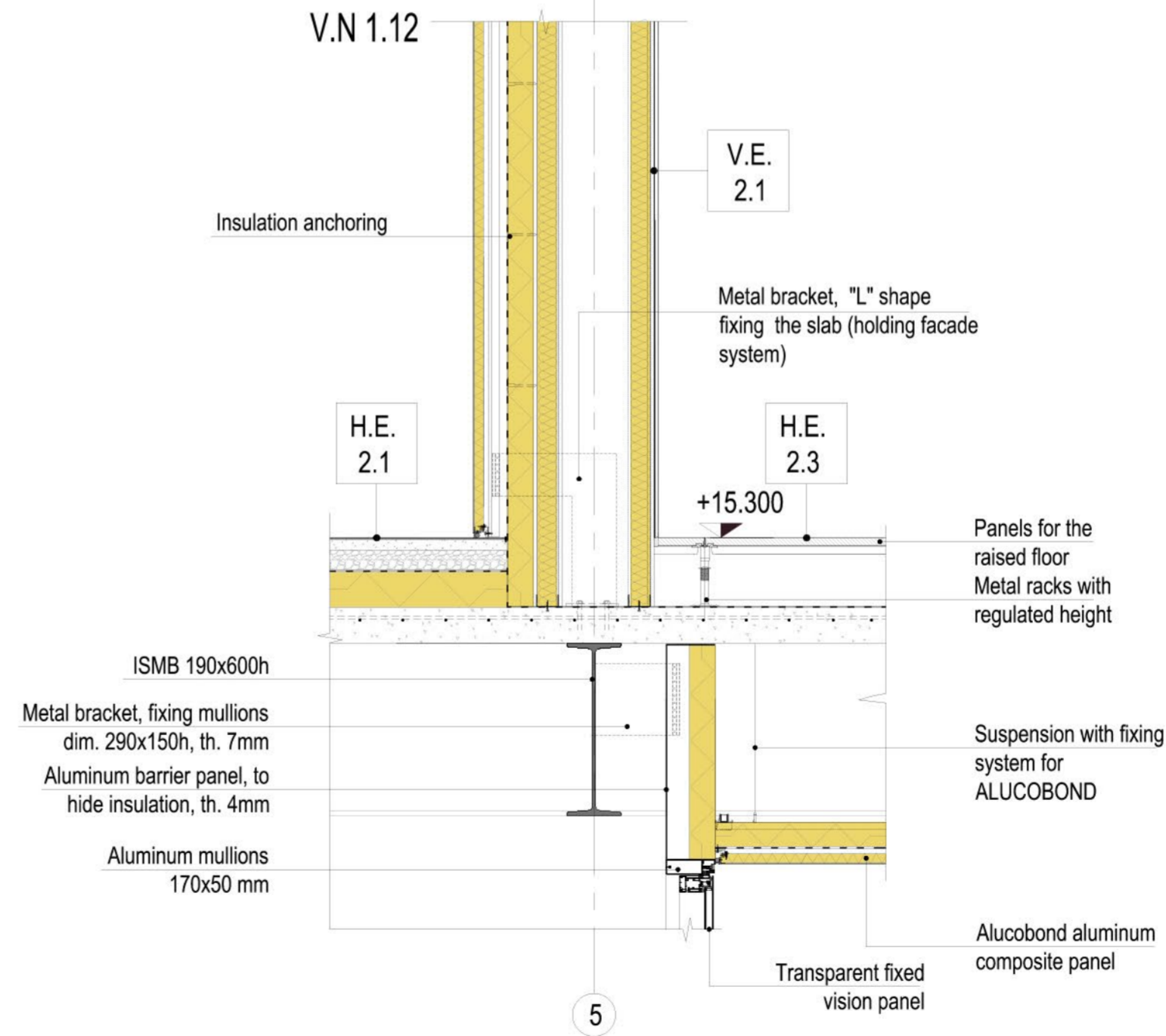
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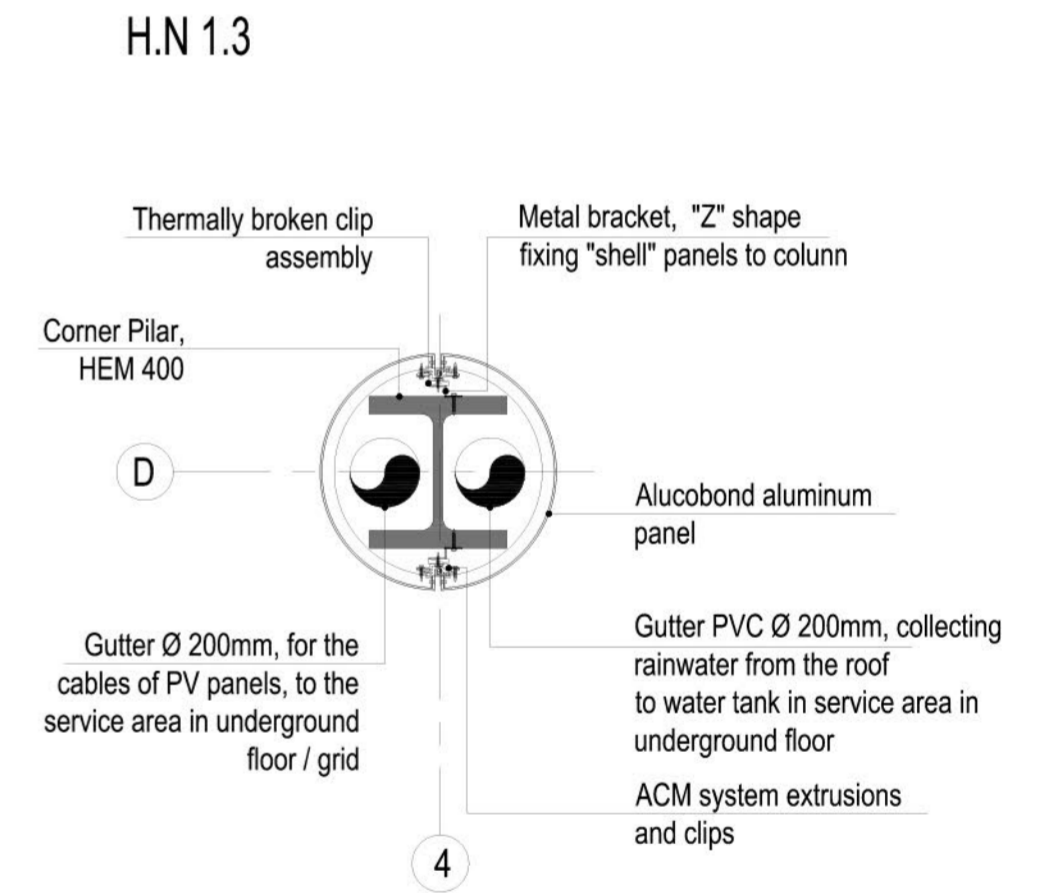
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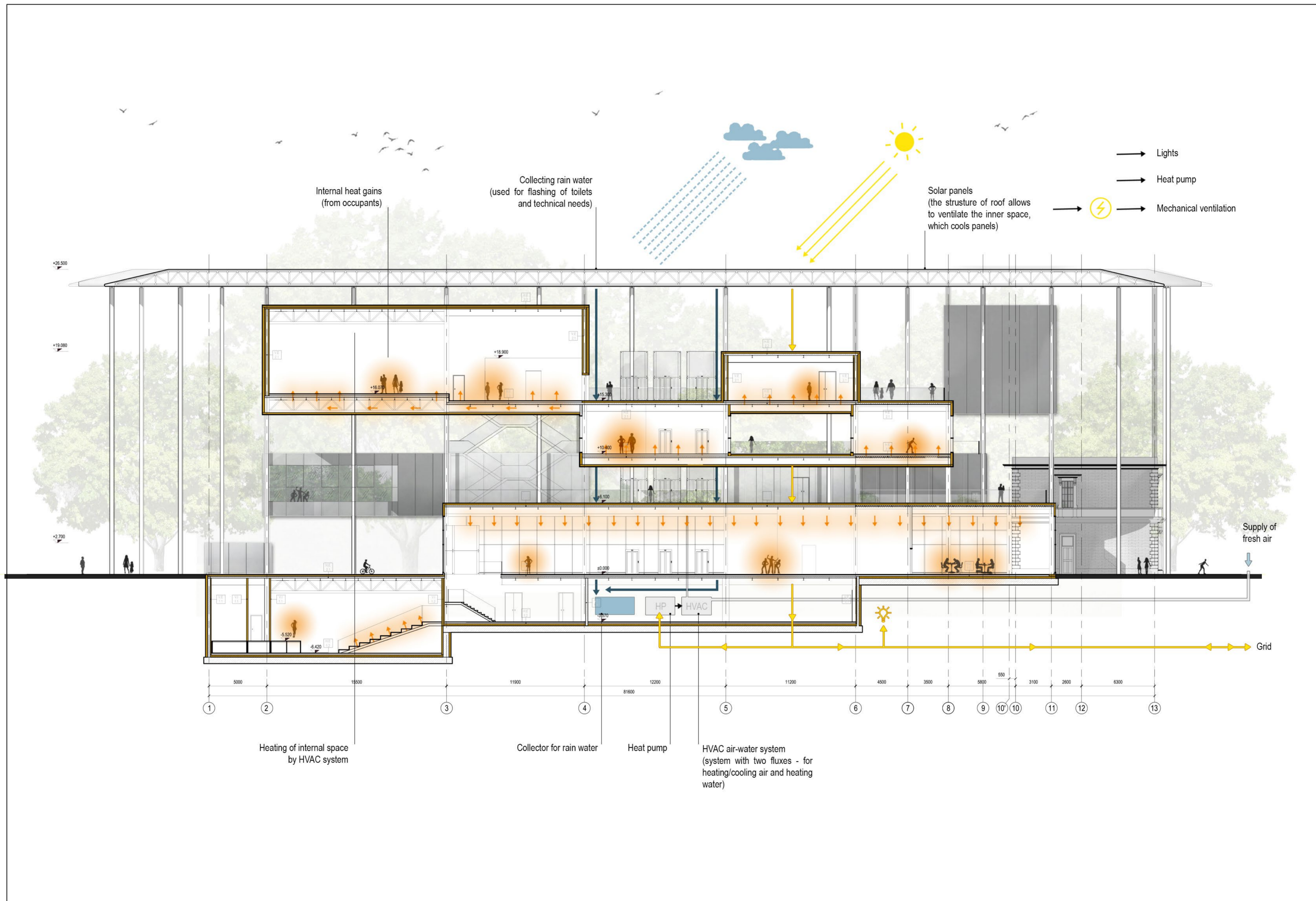


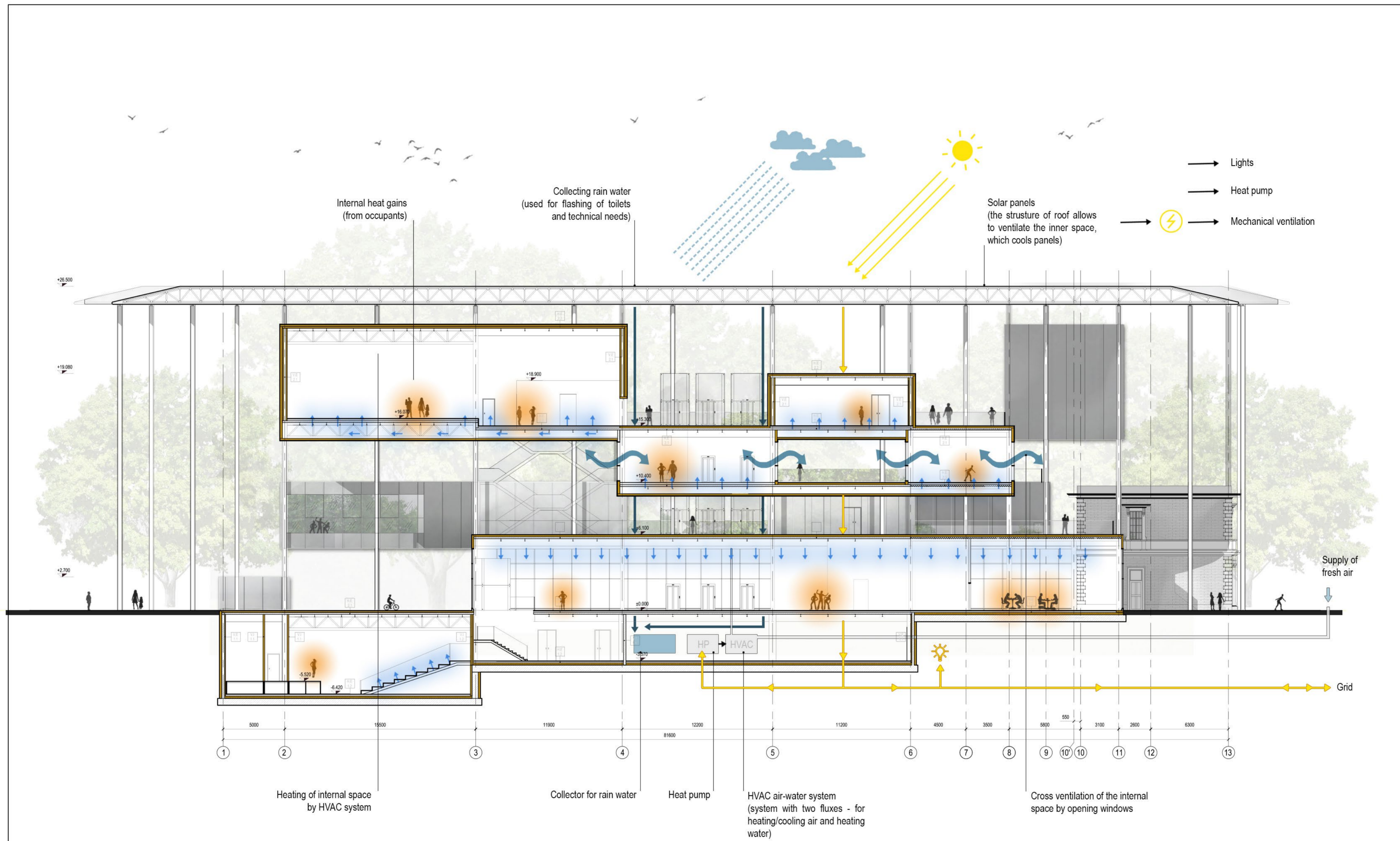
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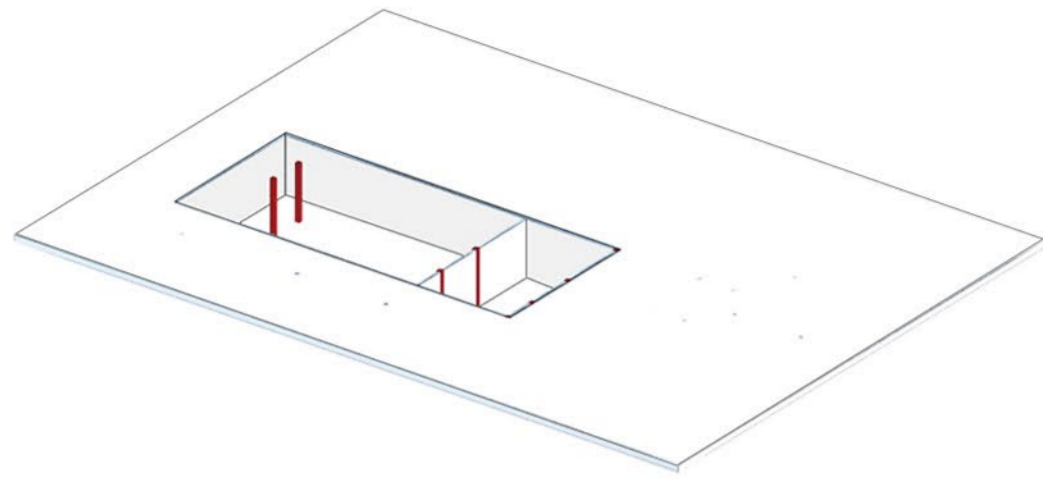


H.N 1.3





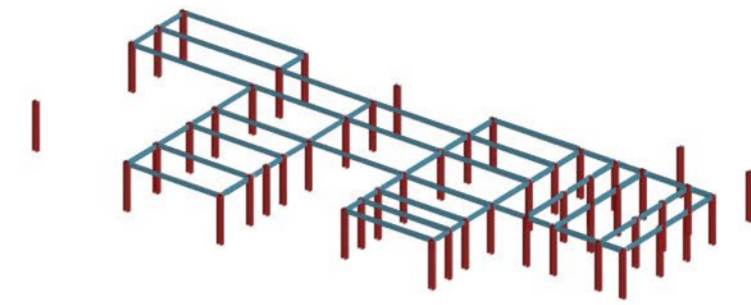




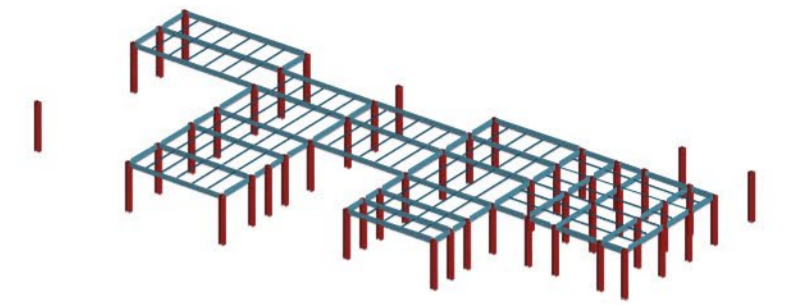
1. Foundation, concrete walls and columns of Underground floor



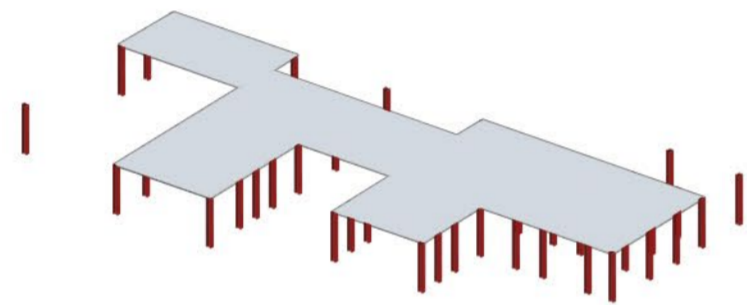
2. Steel columns of the Ground level



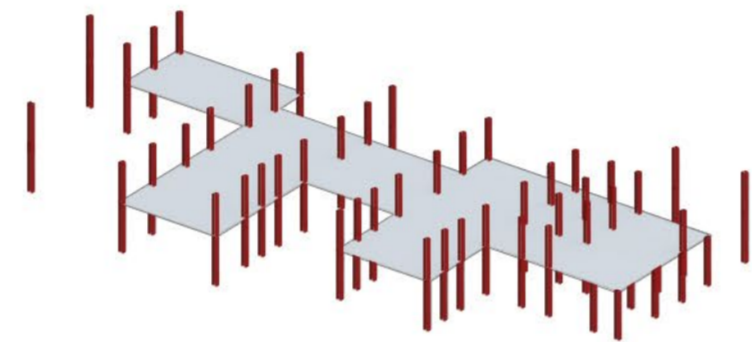
3. Primary beams of the Ground level



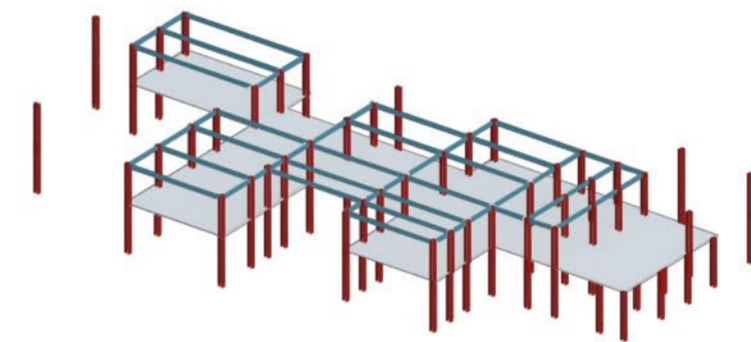
4. Secondary beams of the Ground level



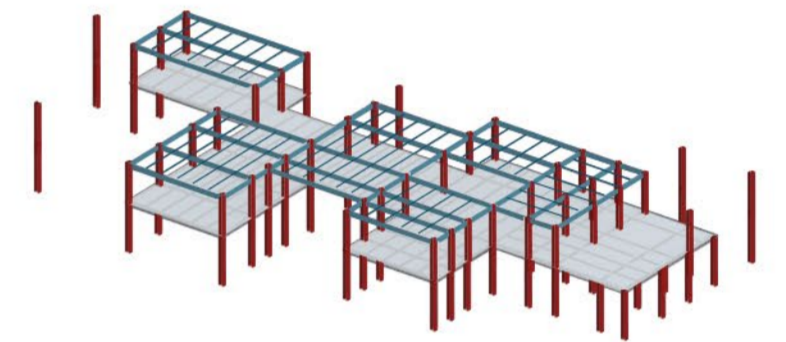
5. Construction of corrugated metal sheet with composite casting in concrete on the Ground level



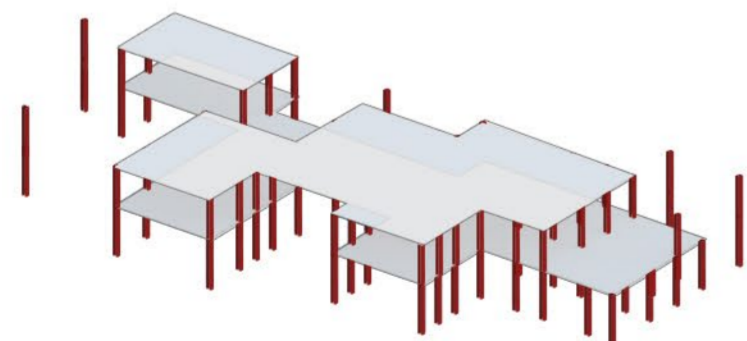
6. Steel columns of the First level



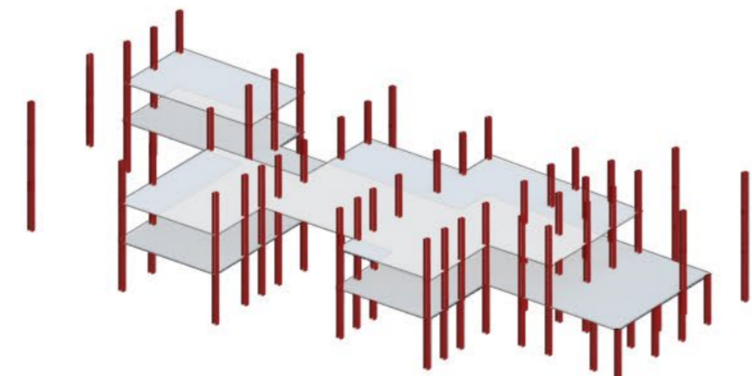
7. Primary beams of the First level



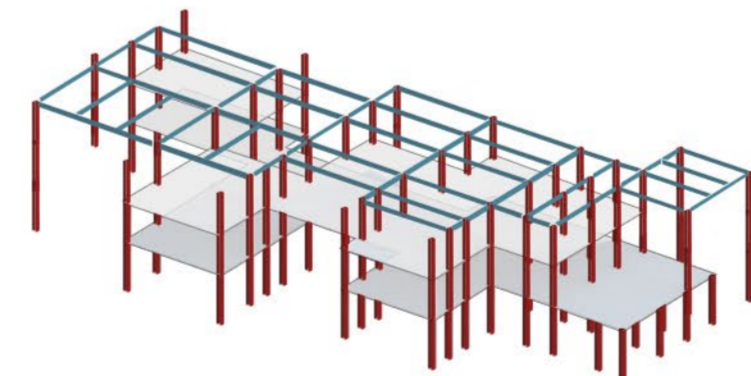
8. Secondary beams of the First level



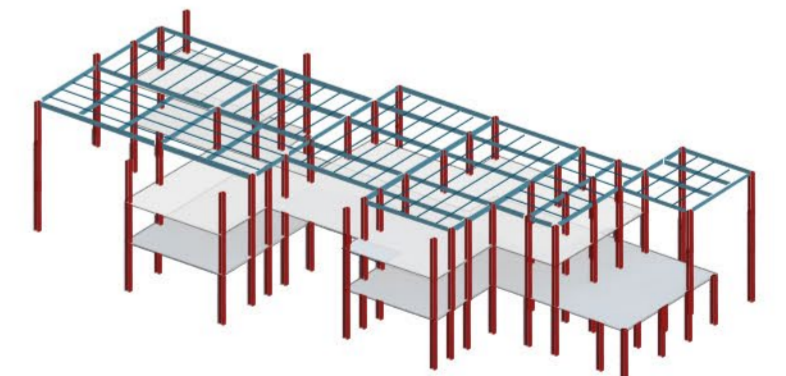
9. Construction of corrugated metal sheet with composite casting in concrete on the First level



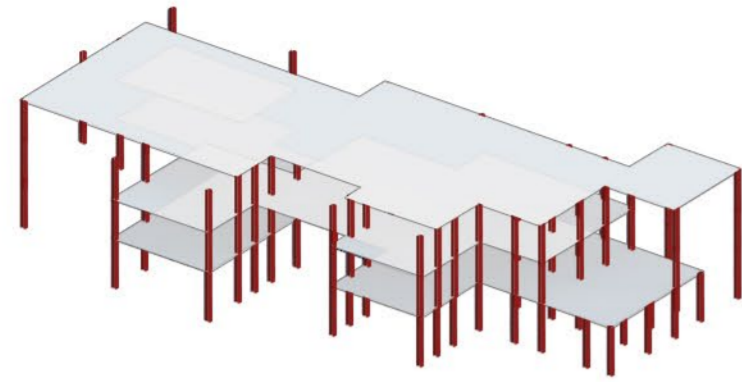
10. Steel columns of the Second level



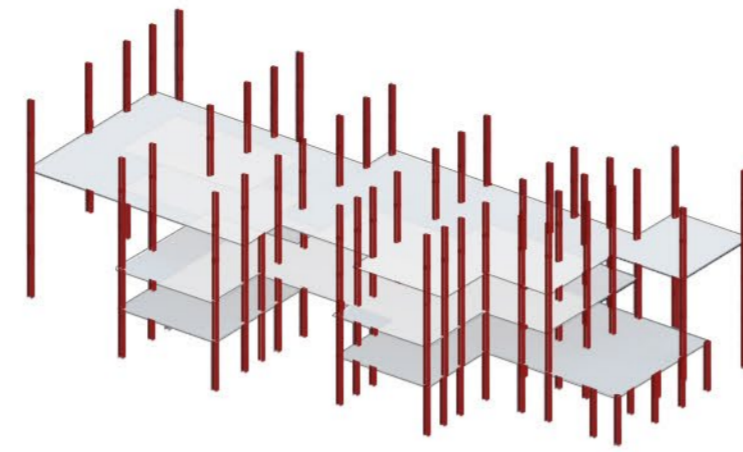
11. Primary beams of the Second level



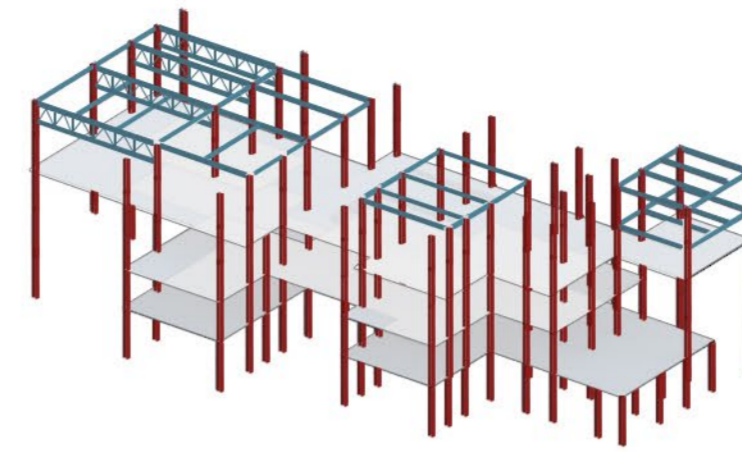
12. Secondary beams of the Second level



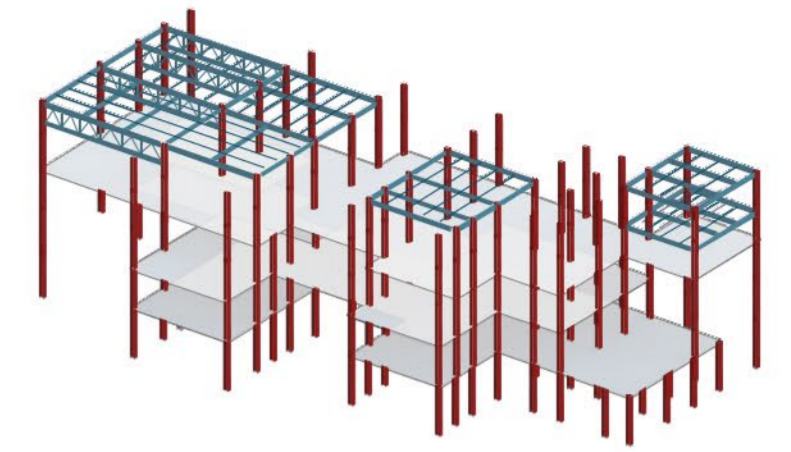
13. Construction of corrugated metal sheet with composite casting in concrete on the Second level



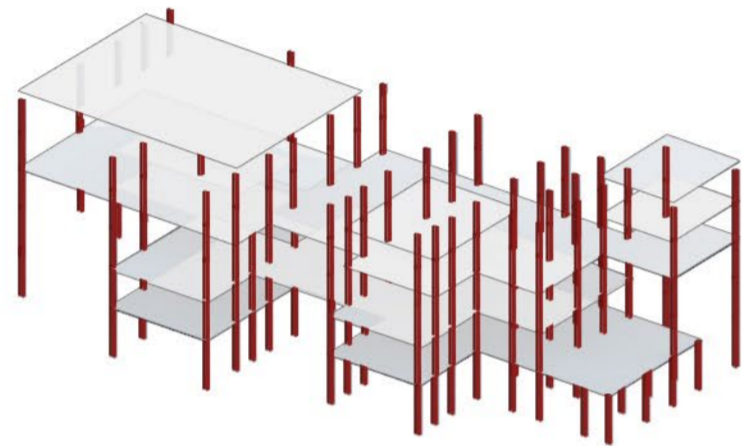
14. Steel columns of the Third level



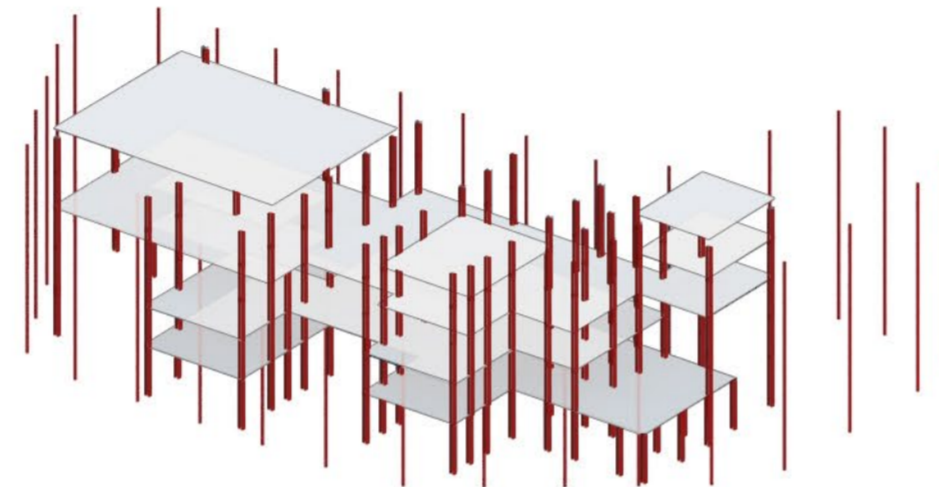
15. Primary beams of the Third level



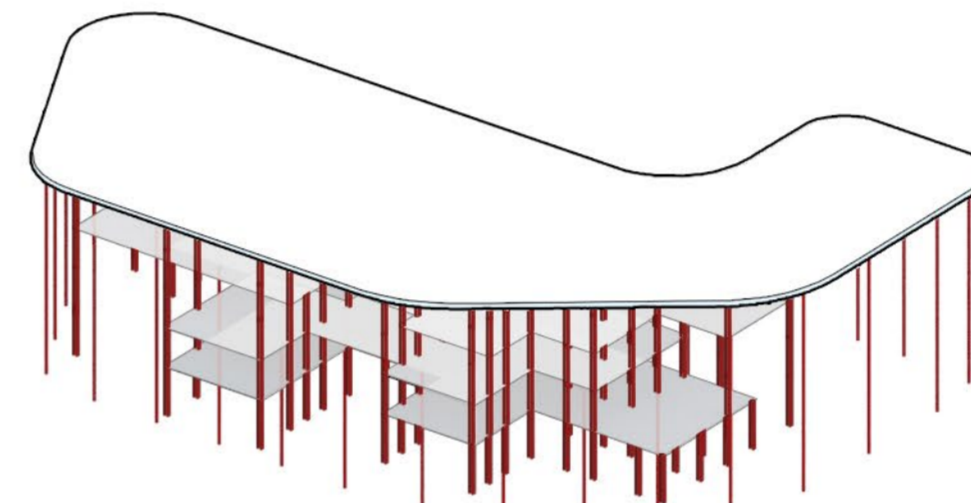
16. Secondary beams of the Third level



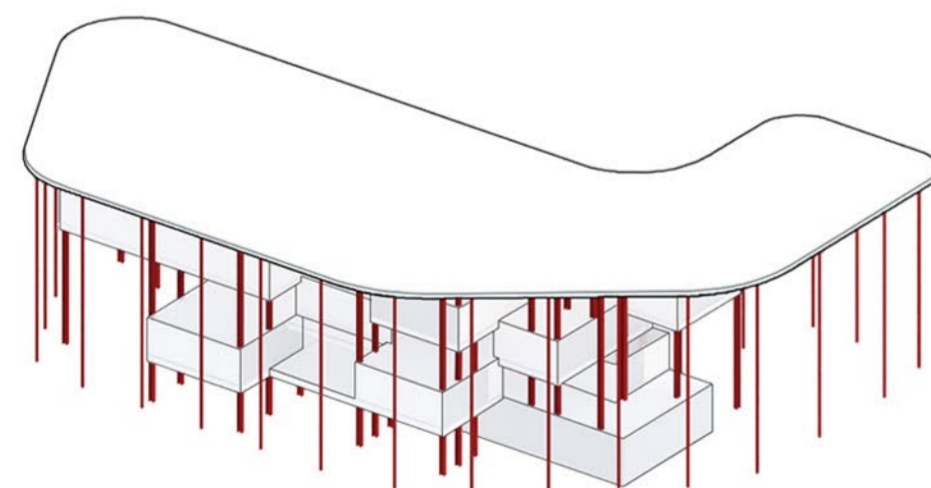
17. Construction of corrugated metal sheet with composite casting in concrete on the Third level



18. External columns, which support roof

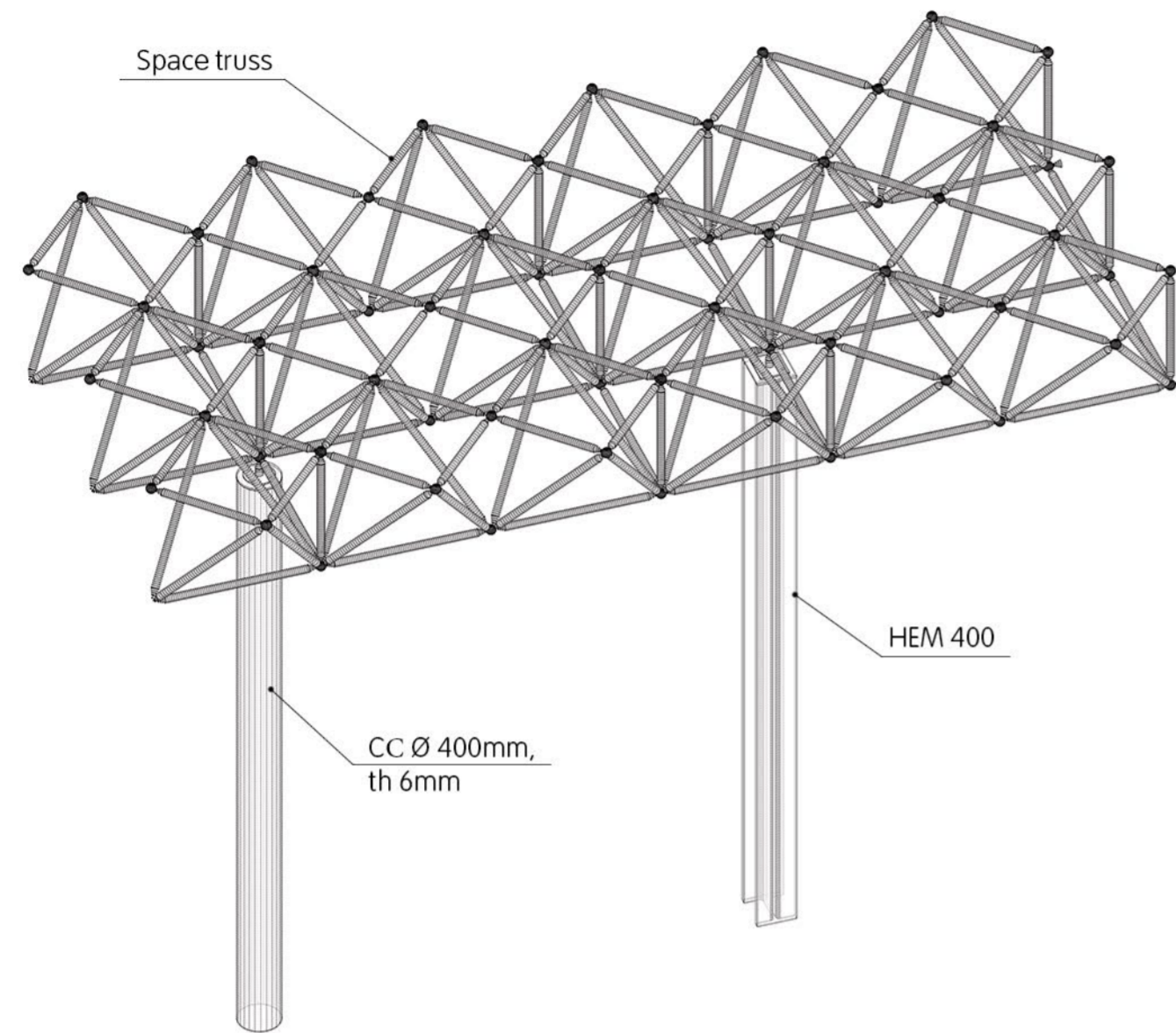


19. Construction of the roof

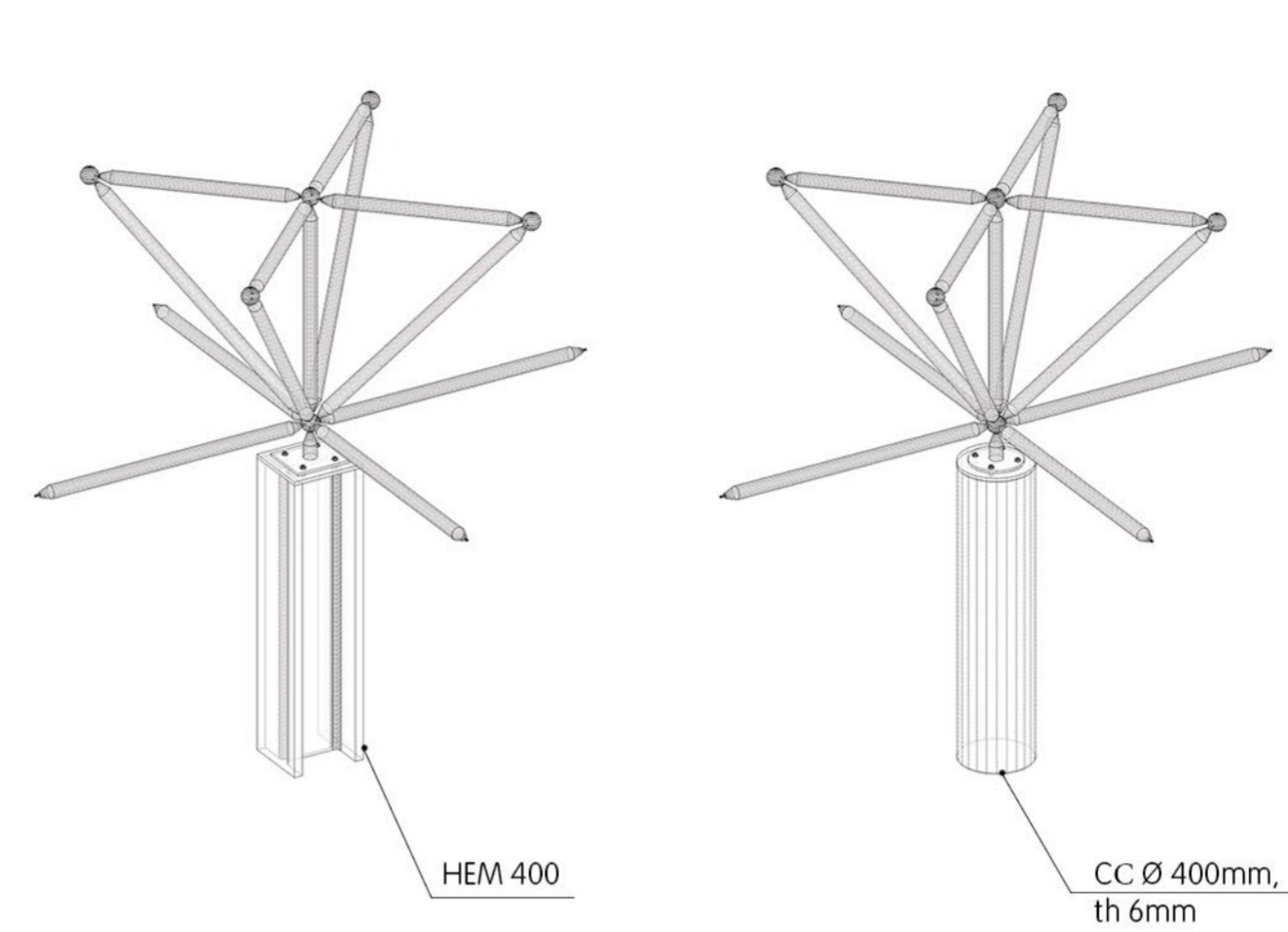


20. Construction of the external walls

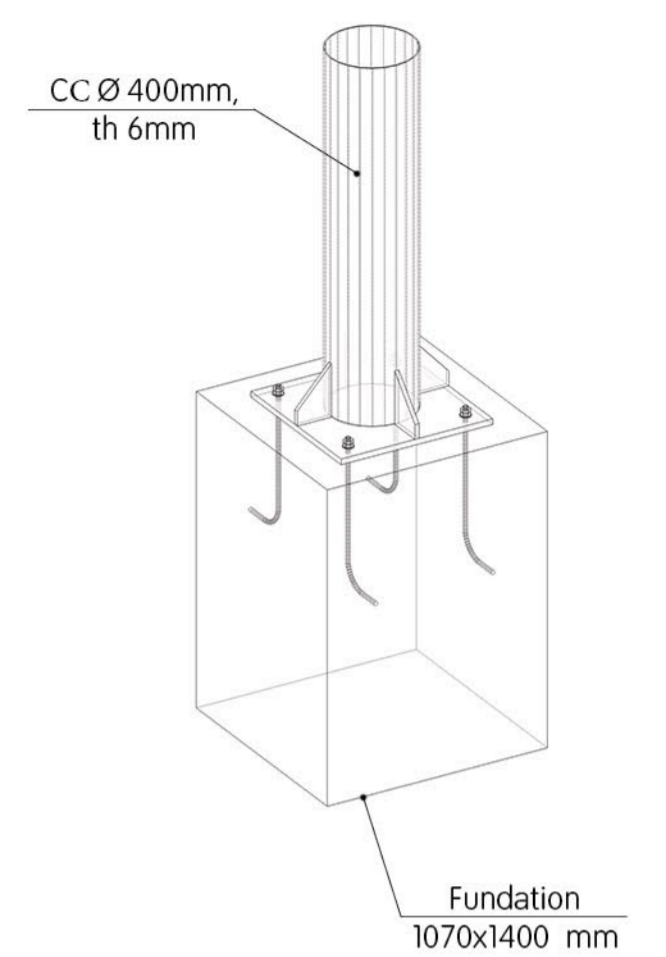
Space truss



Connection of the roof and the column

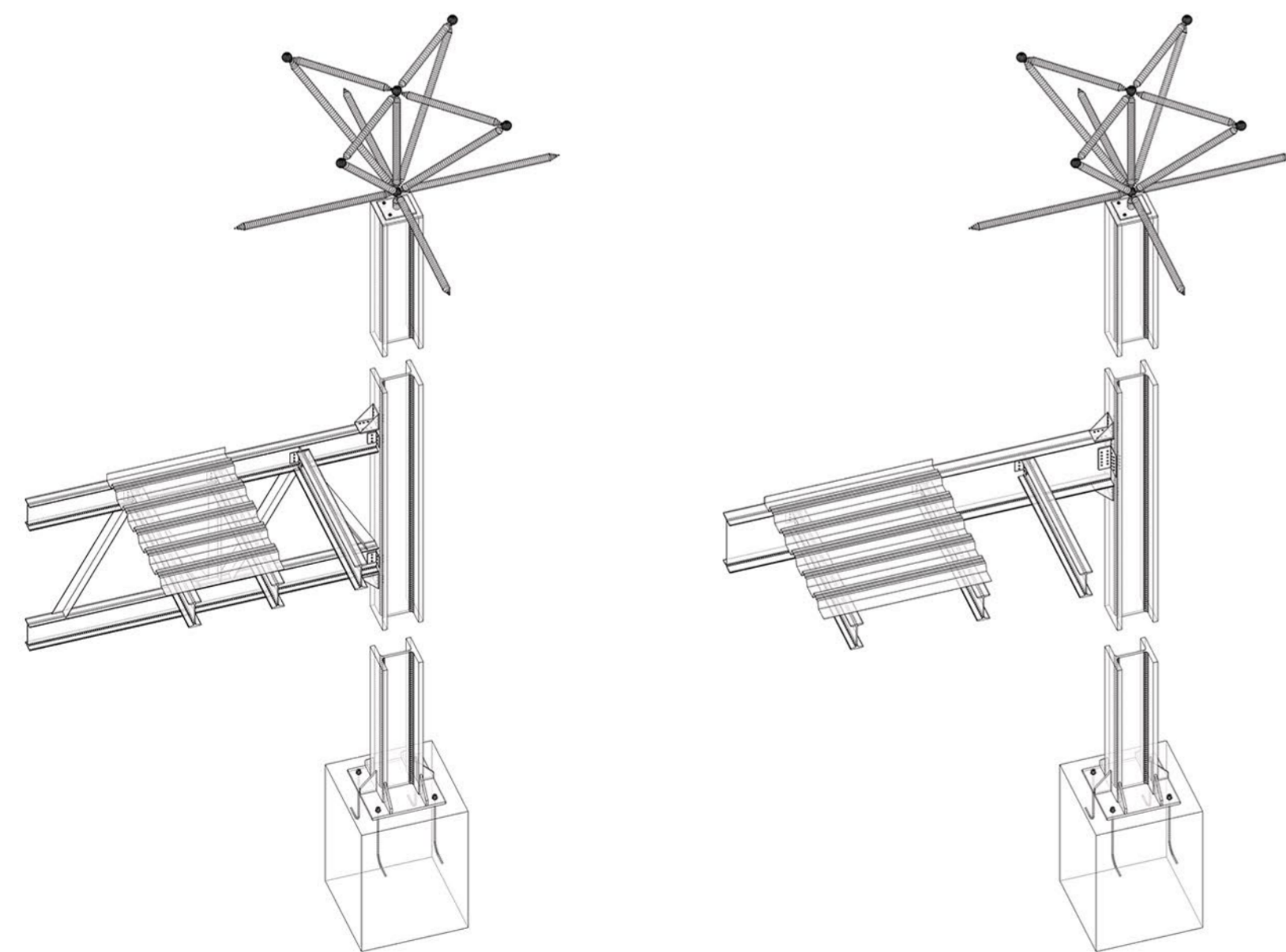


Foundation of the column

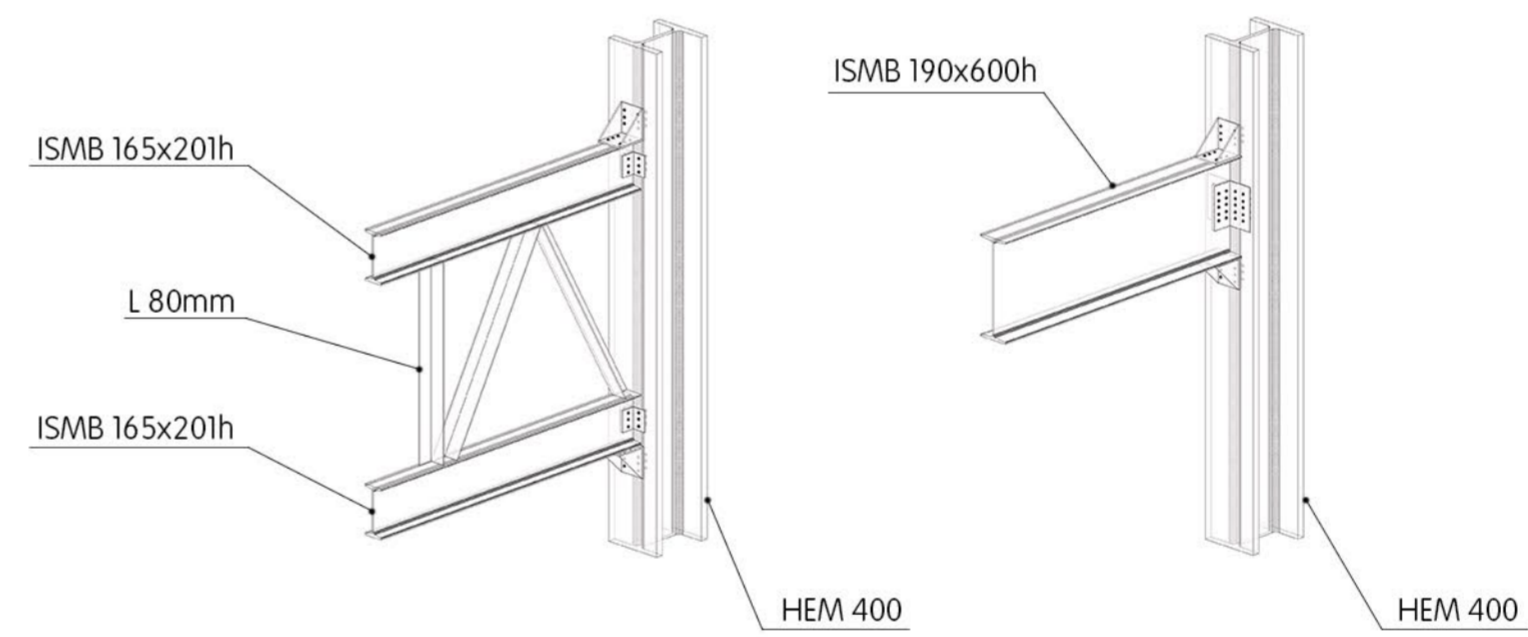


System with HEM column and truss

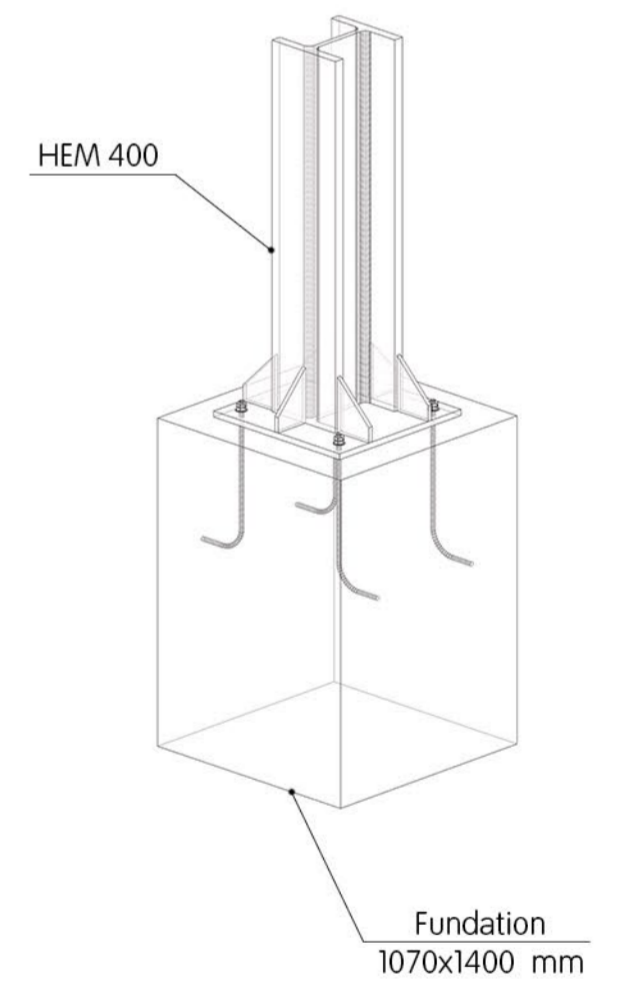
System with HEM column and beam



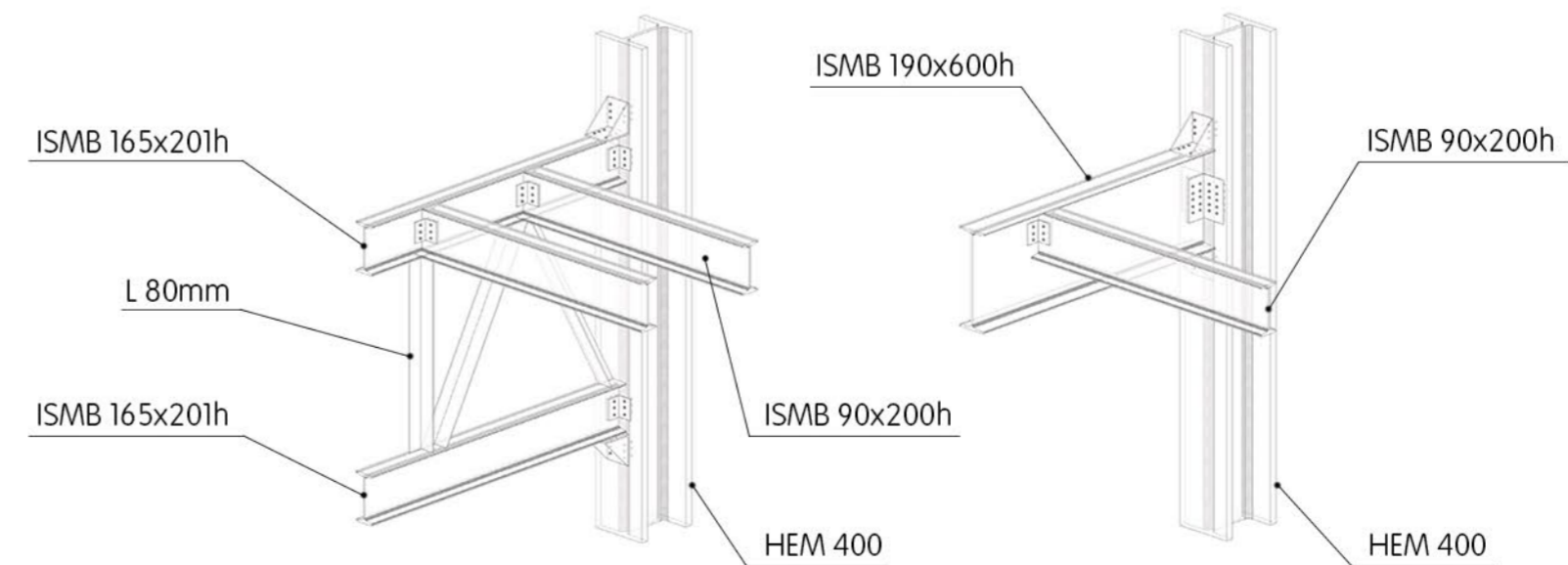
Connection of the truss / beam to the column

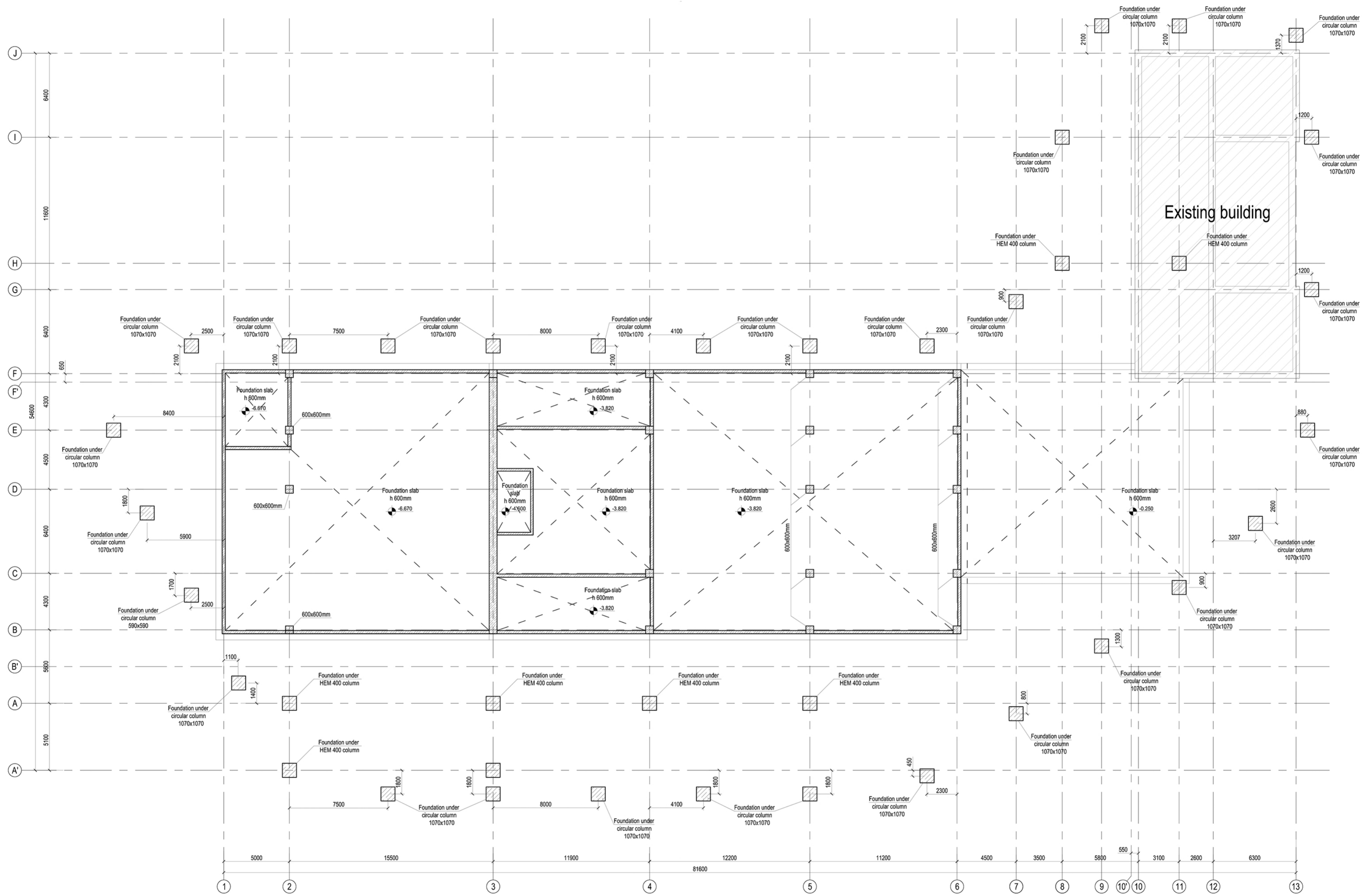


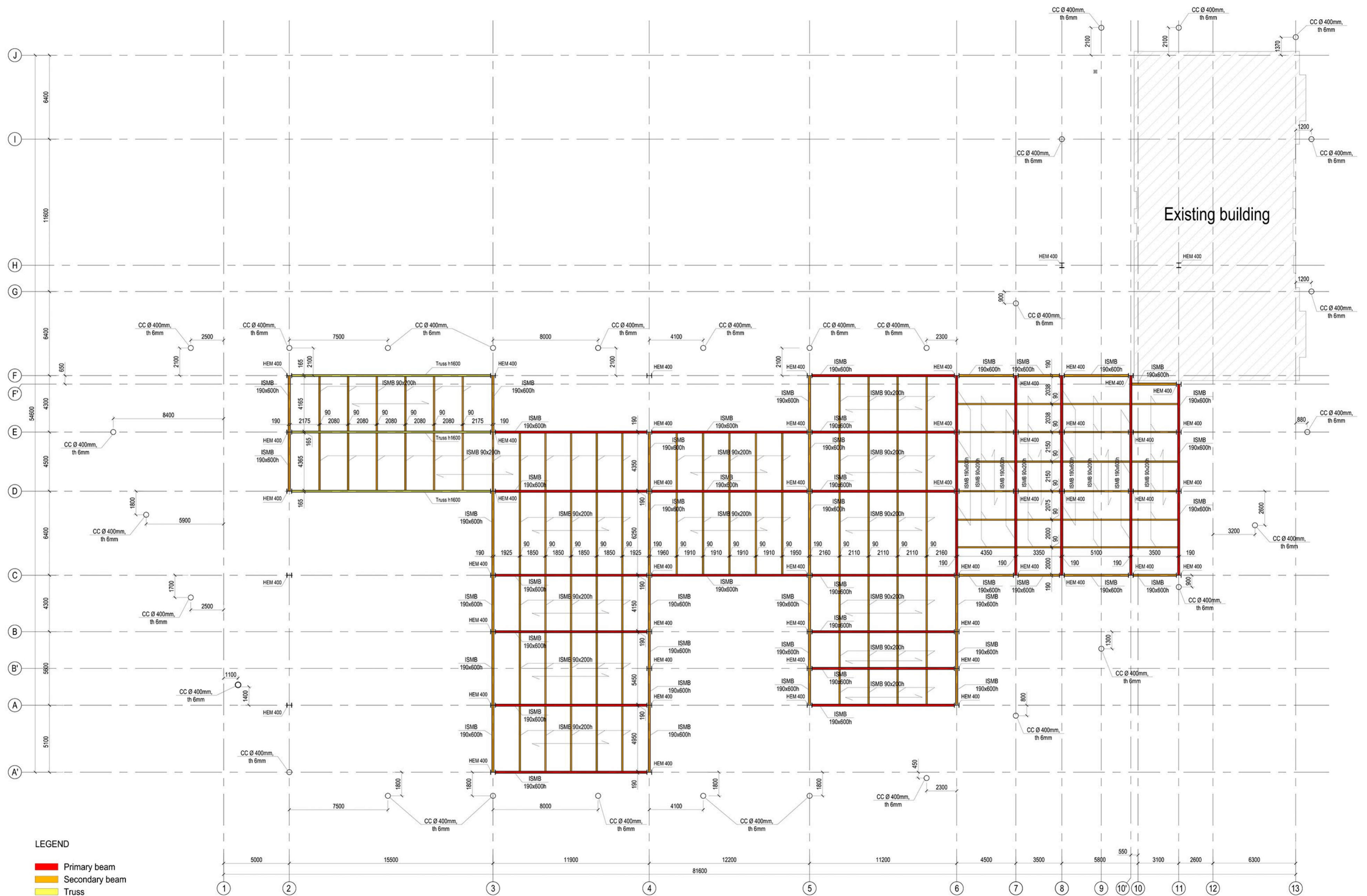
Foundation of HEM column



Connection of the secondary beam to the primary

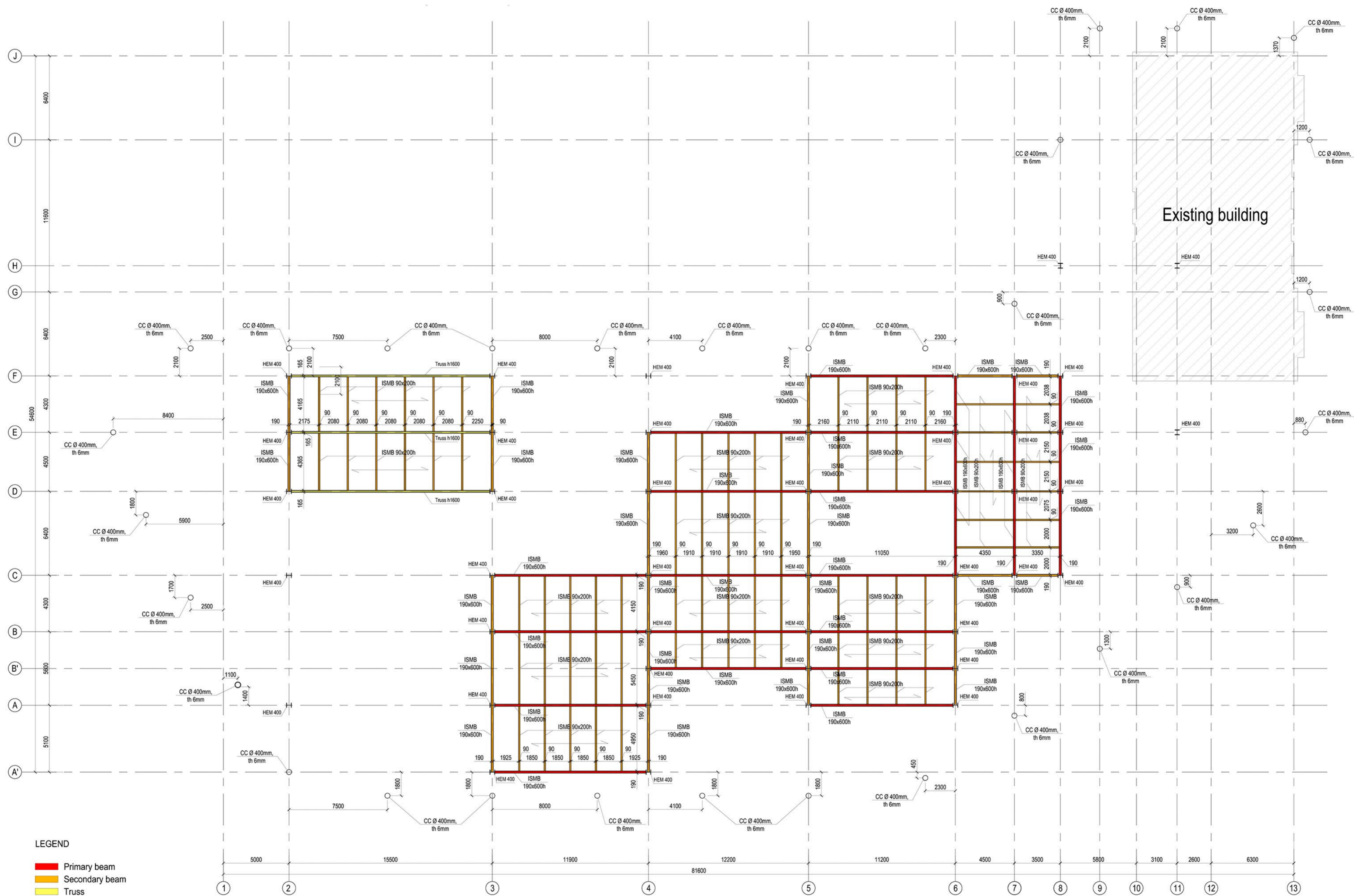






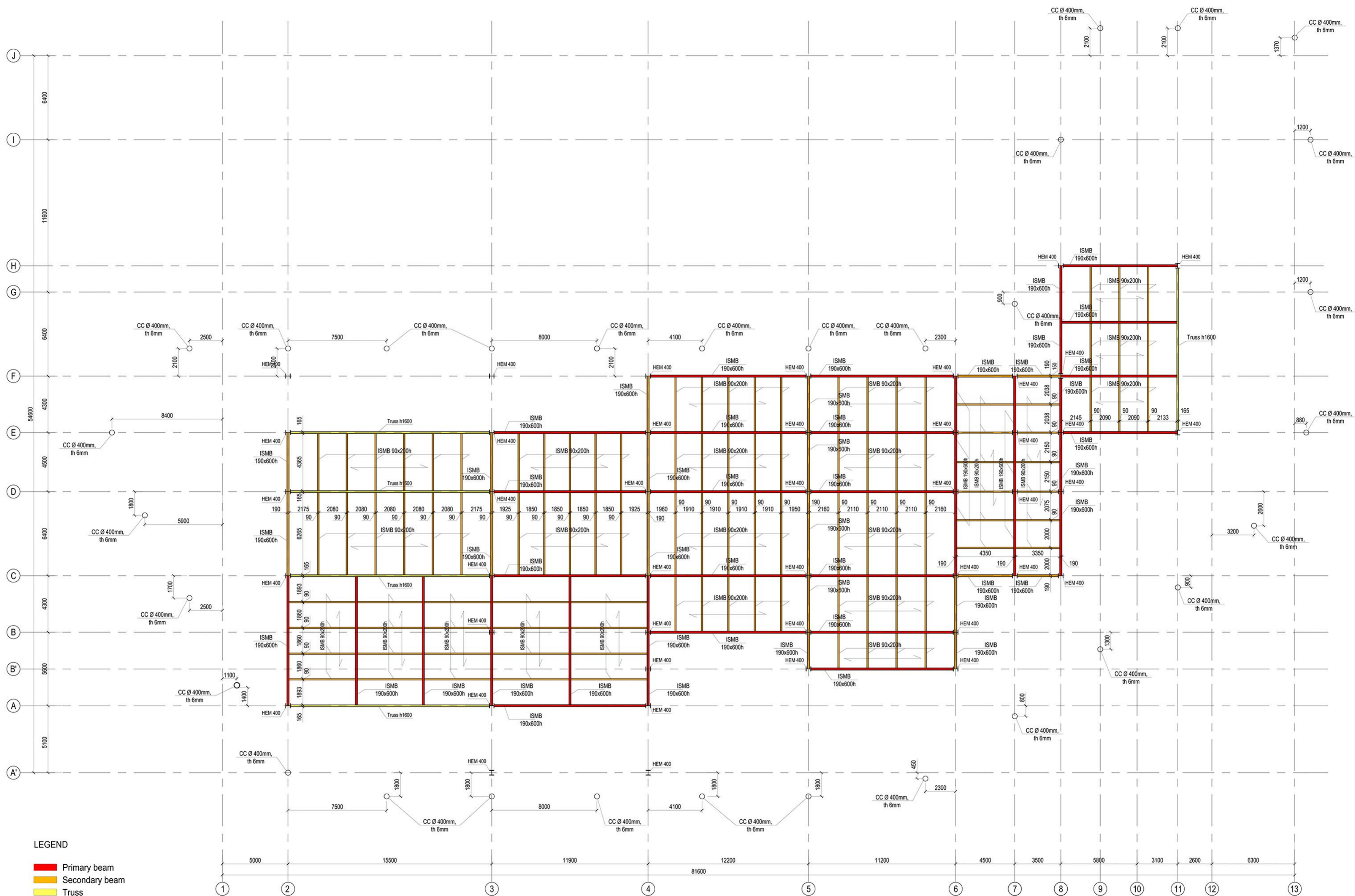
- LEGEND**
- █ Primary beam
 - █ Secondary beam
 - █ Truss





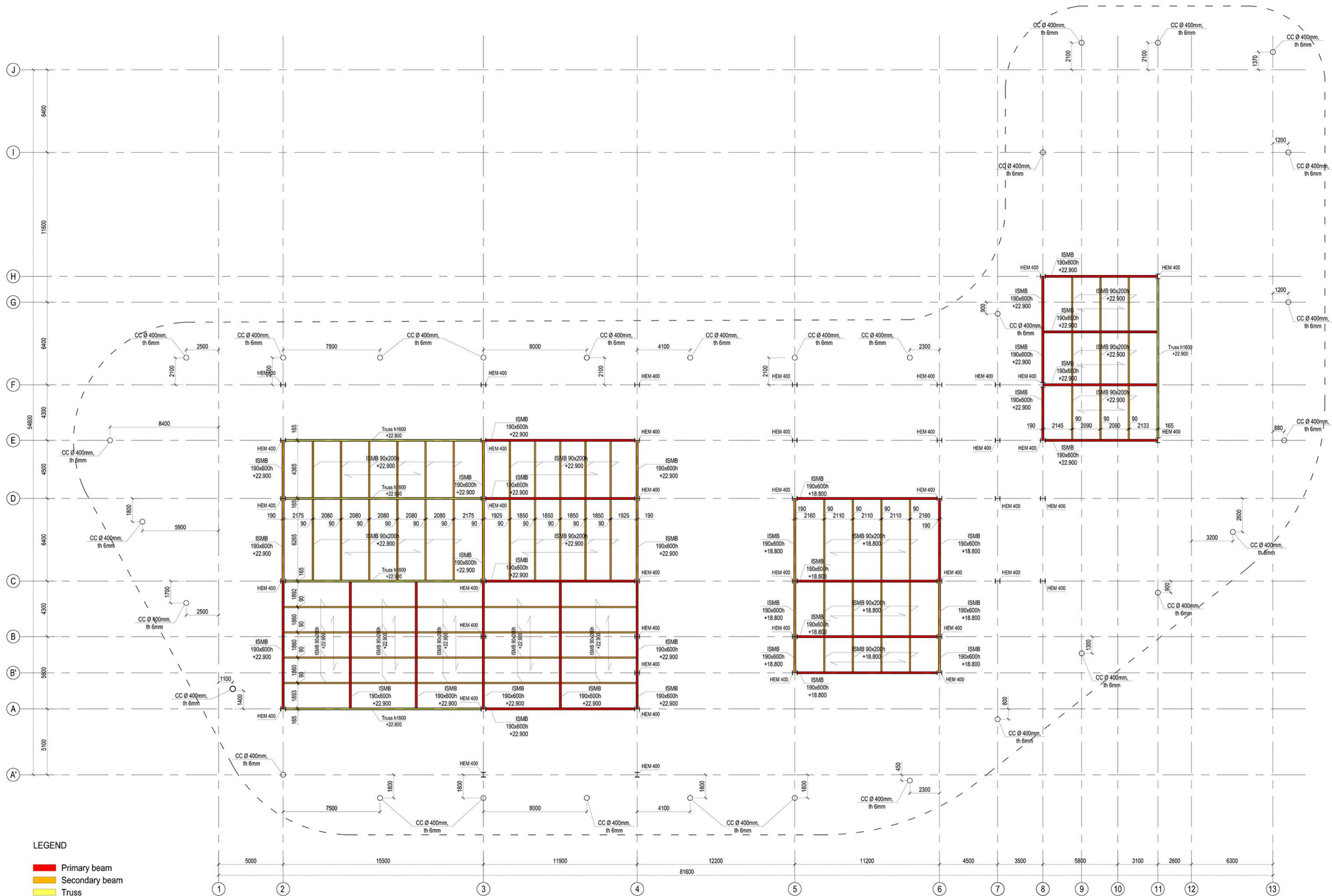
- LEGEND**
- █ Primary beam
 - █ Secondary beam
 - █ Truss





- LEGEND**
- █ Primary beam
 - █ Secondary beam
 - █ Truss





- LEGEND**
- █ Primary beam
 - █ Secondary beam
 - █ Truss



