

Mock-Up Learning Spaces

construction behaviorolgy

In order to test the different **construction methods** and joints, a further temporary building site was acquired on campus to build a 1:1 **mock-up**. By building a mock up with **real components**, specific connections can be tested. It allows to make **many mistakes** and to learn from them as well as teaching others about them.

Materials are layered and come together in an **ad-hoc manner** of construction. Designing and testing go in parallel **loops**, where many options only become visible when testing the a 1:1 situation.

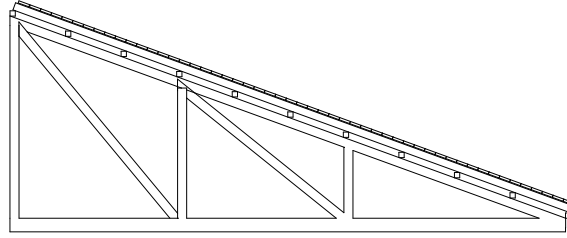
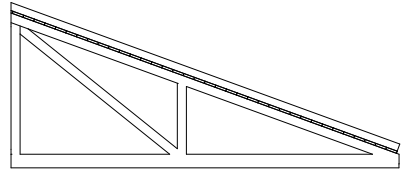
The character of the reuse pavilion hereby reflects the **experimental use** and **hands-on experience** of an endless **laboratory** of learning space.

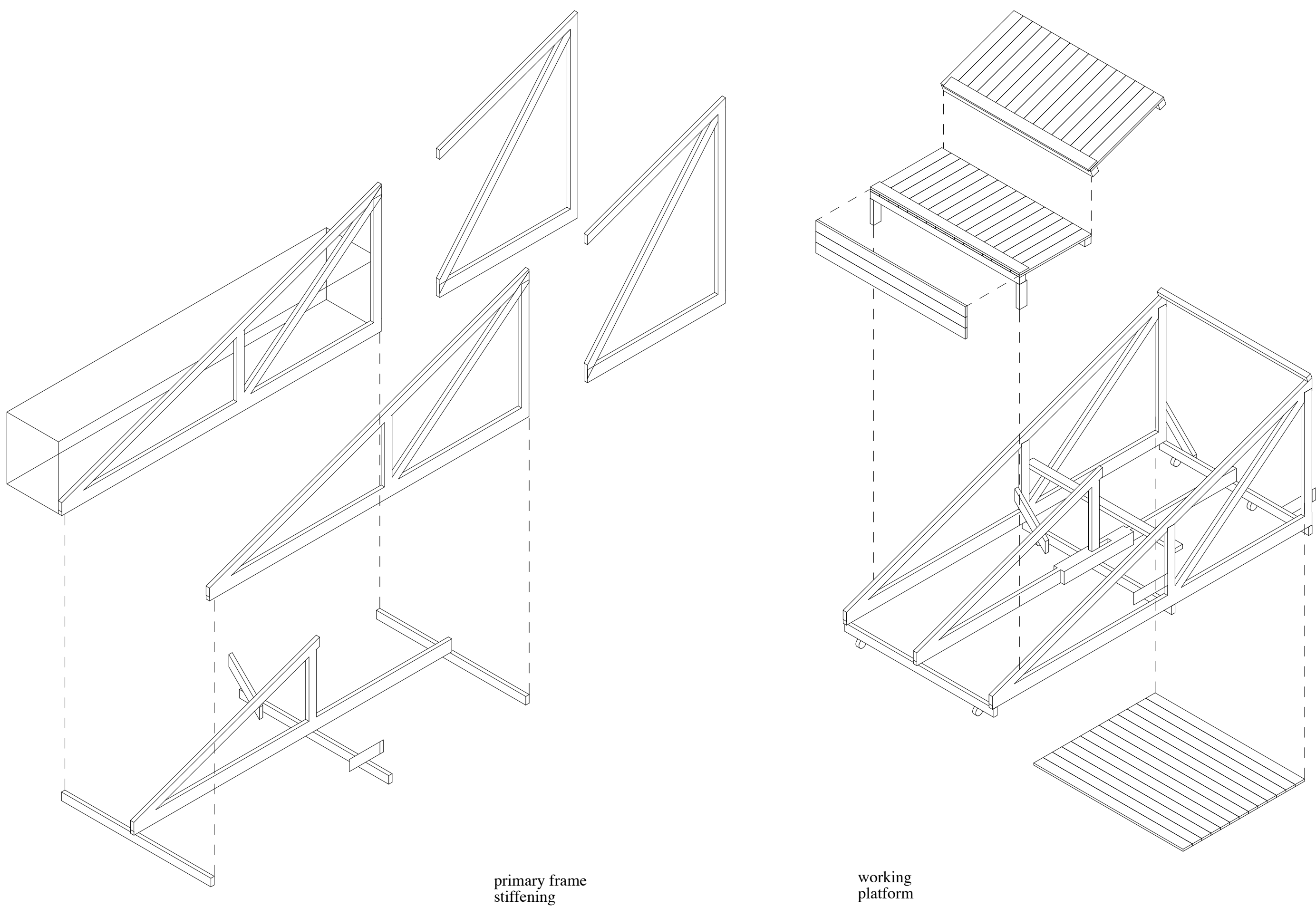
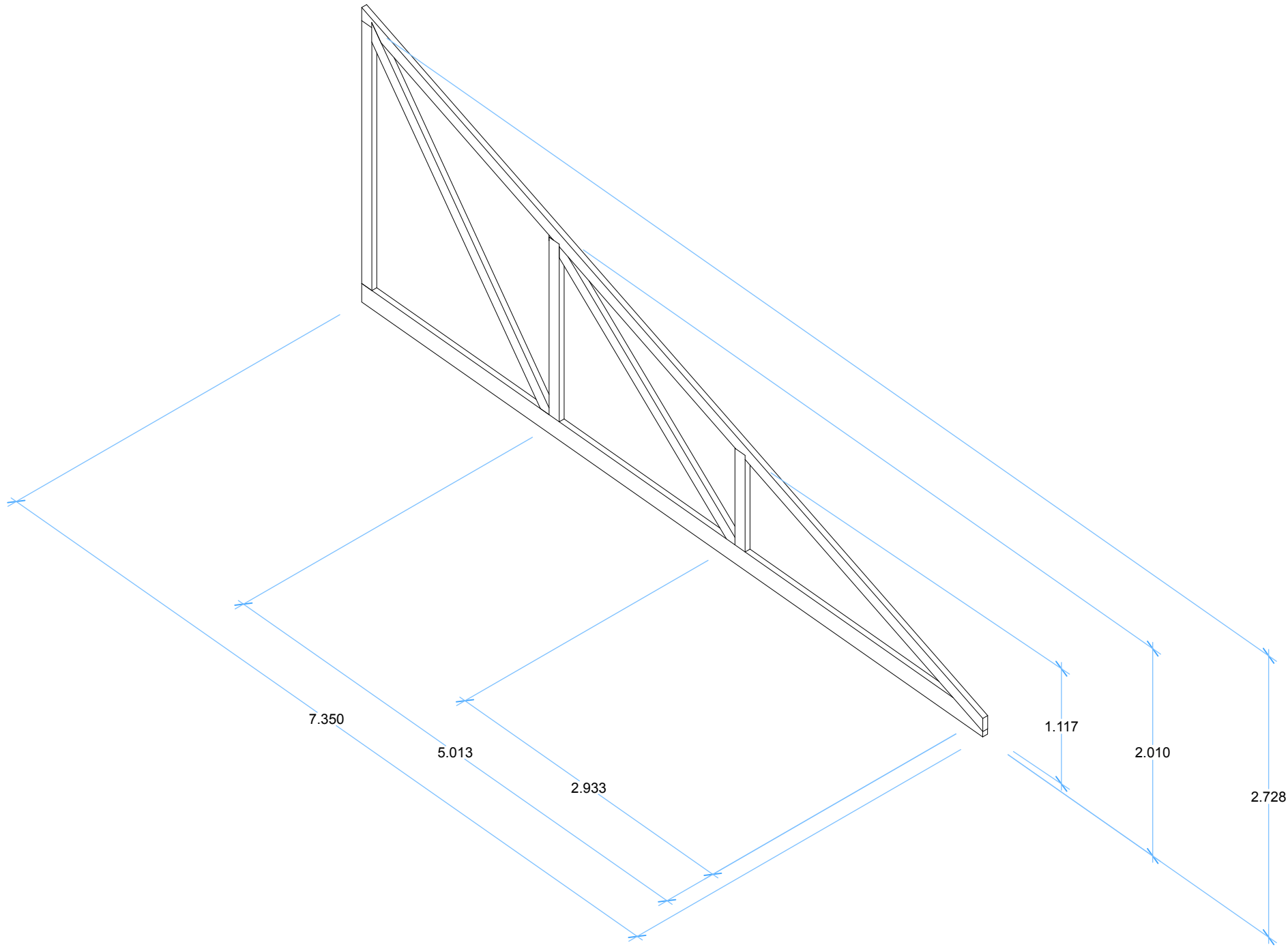
A **culture of sustainability** in construction can only be achieved through **positive learning experiences** during education concerning **circular building systems**. When initiatives for sustainable and durable construction are successful repeatedly, they become ordinary habits.

Hence, it becomes important to support student leadership within the democracy of learning spaces by giving agency to the future students.

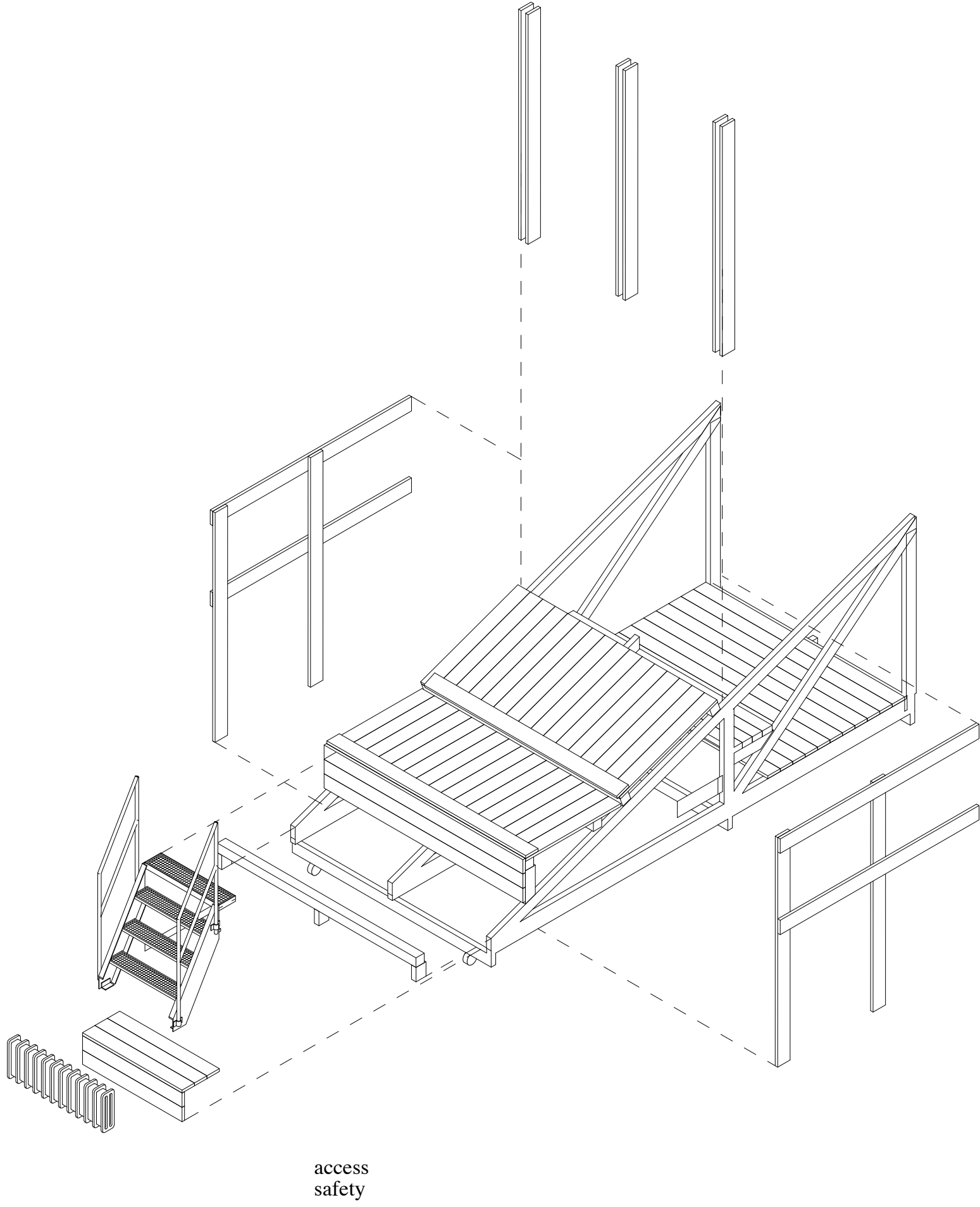
First and foremost, during construction, the protection of **health and safety** of all protagonists is of most importance, as well as future users. Aside from respecting all **building norms** (SIVA) and rules for the **protection of workers** (EKAS), a safety concept is required when working with students, who have no previous training or experience on construction sites. This includes an **assessment of dangers and risks on the construction site**, rules of conduct, principles and organisation of safety instructions and action planning. Furthermore **emergency protocols** and co-operation need to be clearly prepared, including psychological aspects, such as as stress during construction.

A healthy **culture of safety** is fostered with leadership by example, and the company and audit of experts and responsible safety officers. Although there always remains a certain risk of exceptional dangers, it is the duty of the organisers to mitigate unsafe **practices and behaviour**, as accidents can (almost) happen.

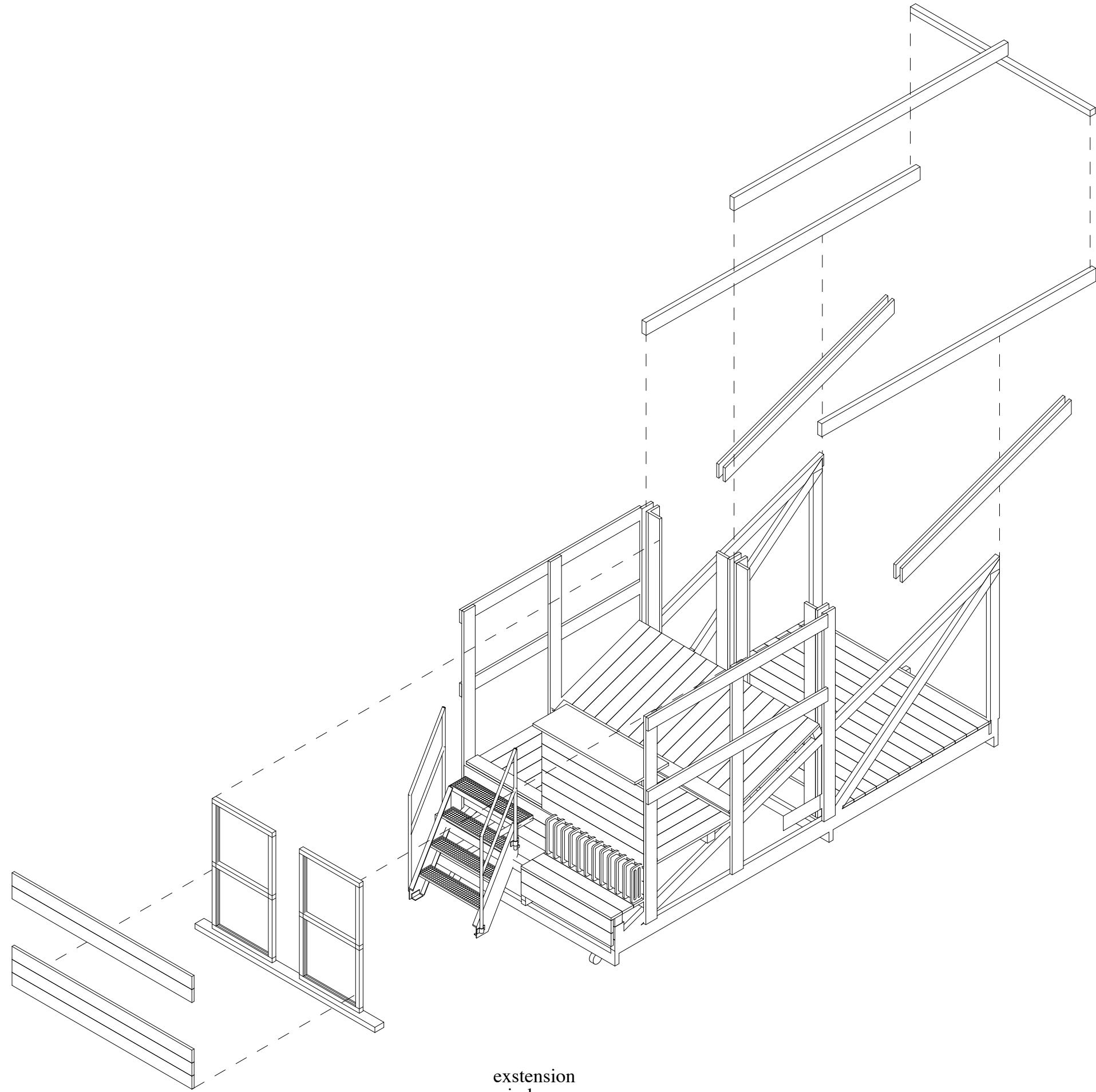
		Weight	
		spruce: 450kg / m³:	
	large:	0,2m³	93kg
	small:	0,1m³	58kg
		2 trusses (s):	116 kg
		Roof plate:	105 kg
		Railing:	25 kg
		Total weight:	246kg



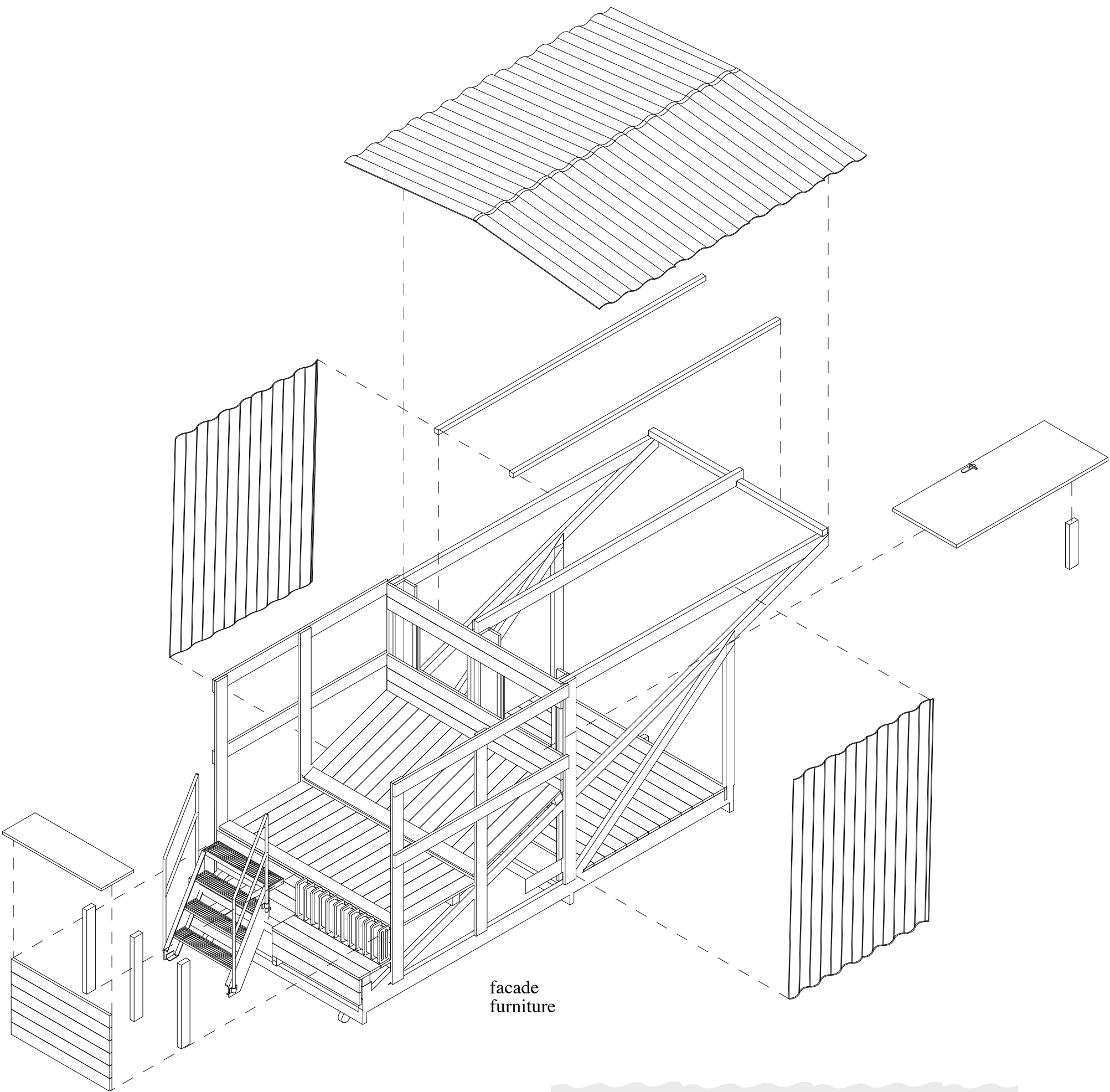
axonomic view of building process
scale 1: 50



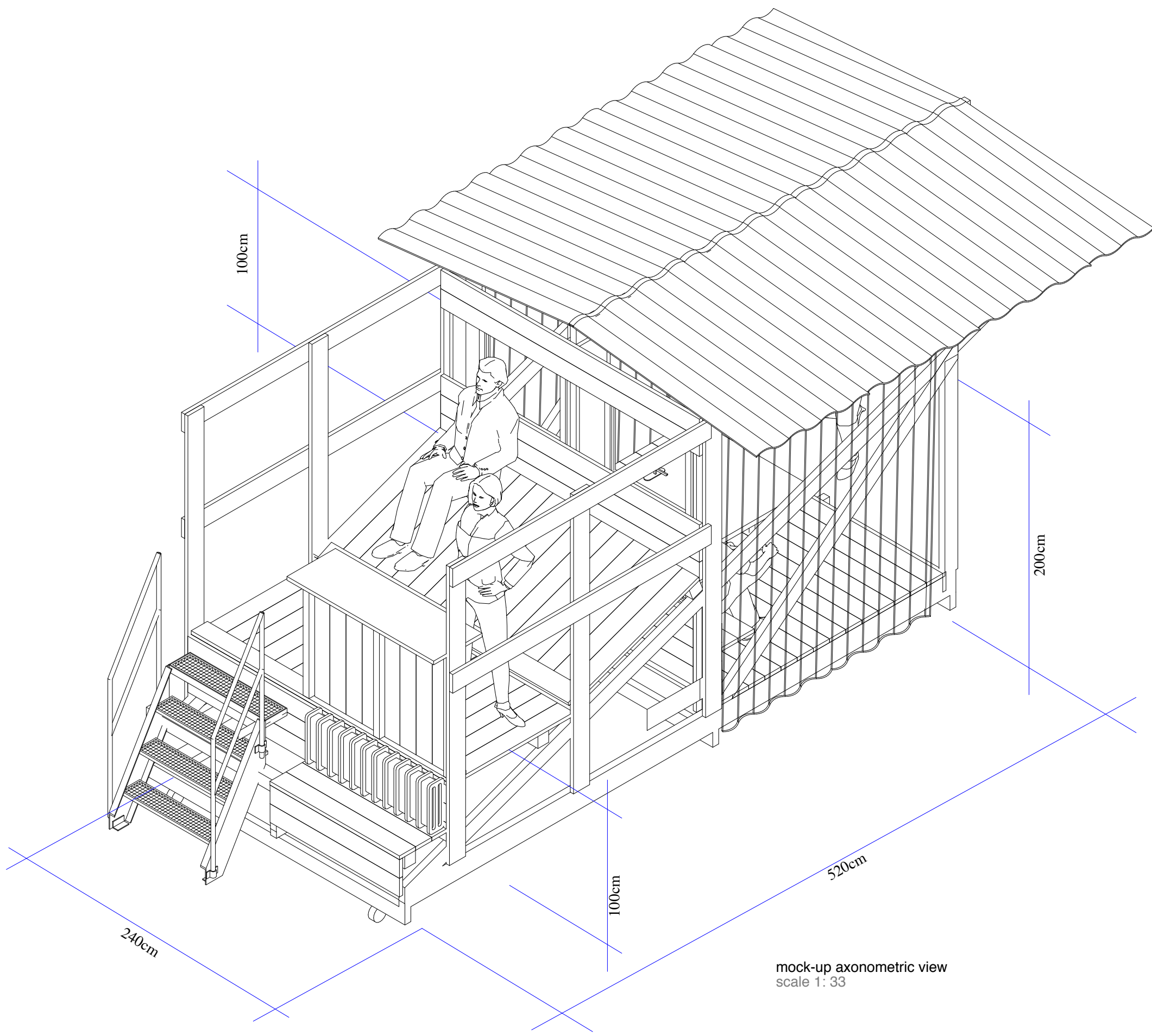
access
safety



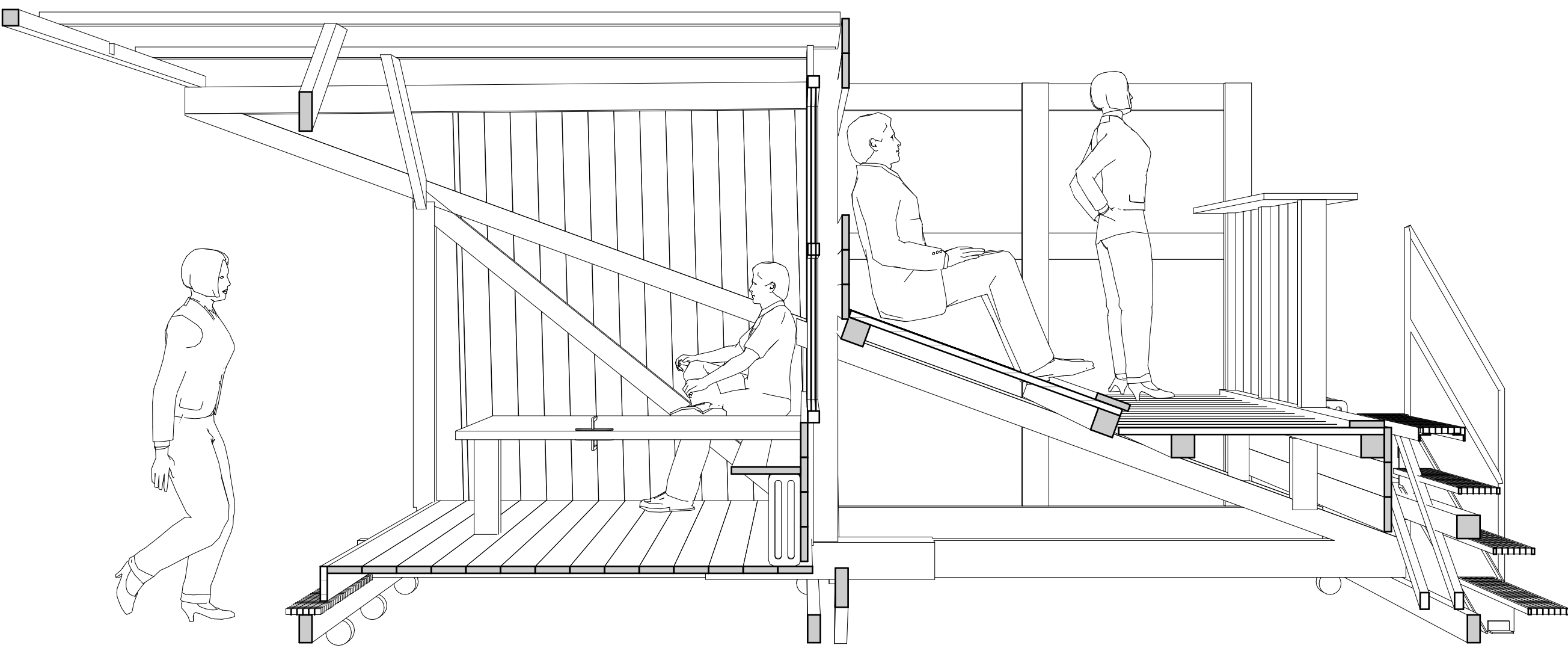
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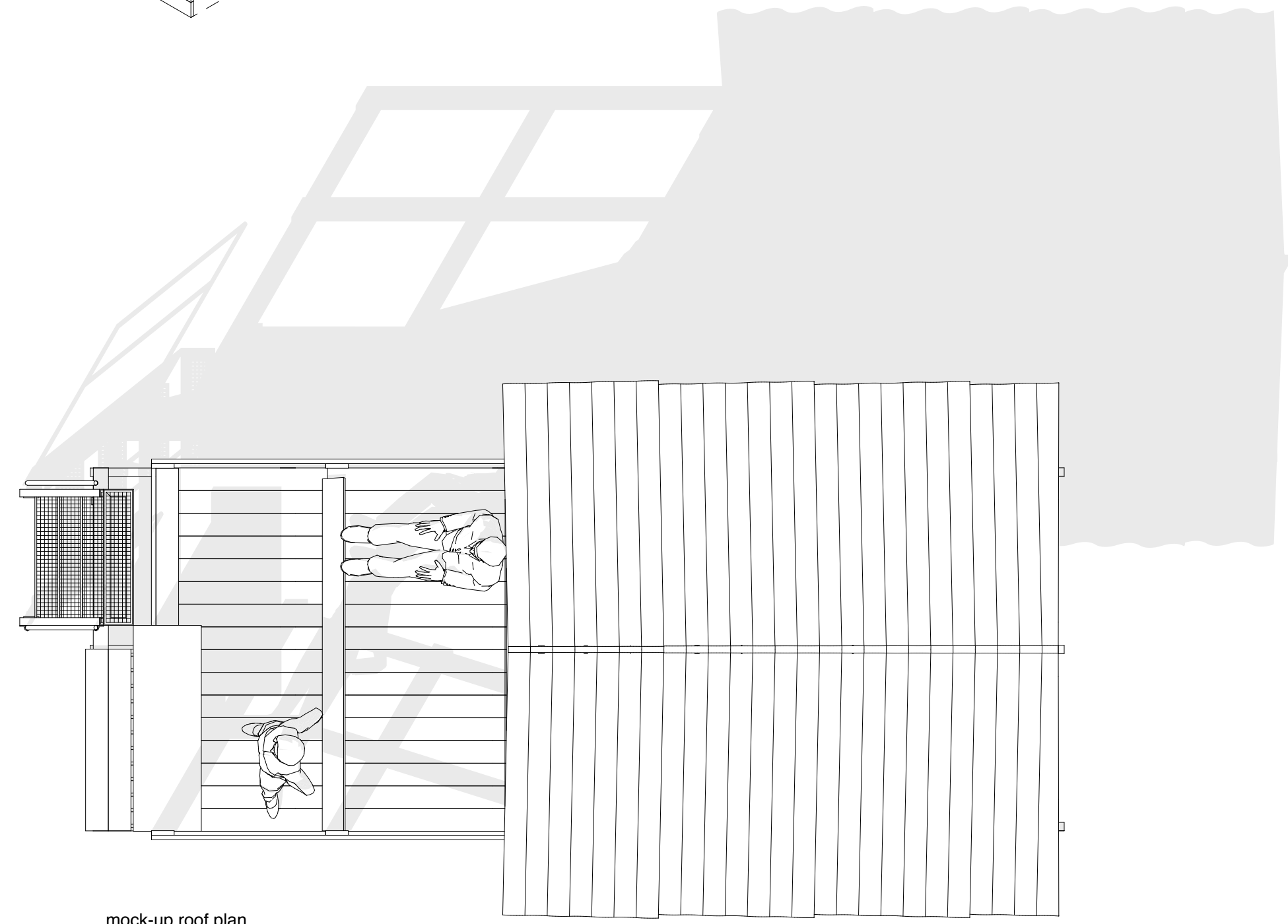
facade
furniture



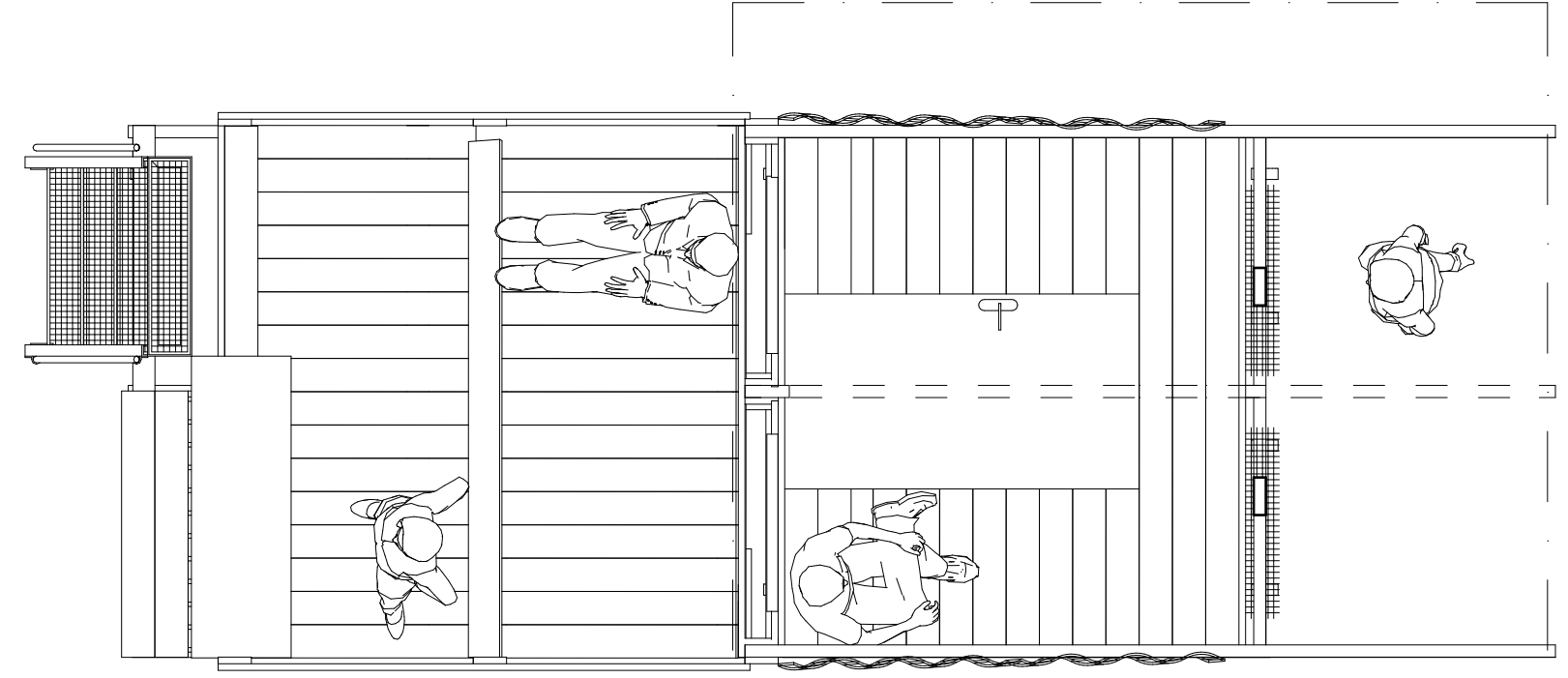
mock-up axonomic view
scale 1: 33



mock-up section perspective
scale 1: 33



mock-up roof plan
scale 1: 33



mock-up floor plan
scale 1: 33