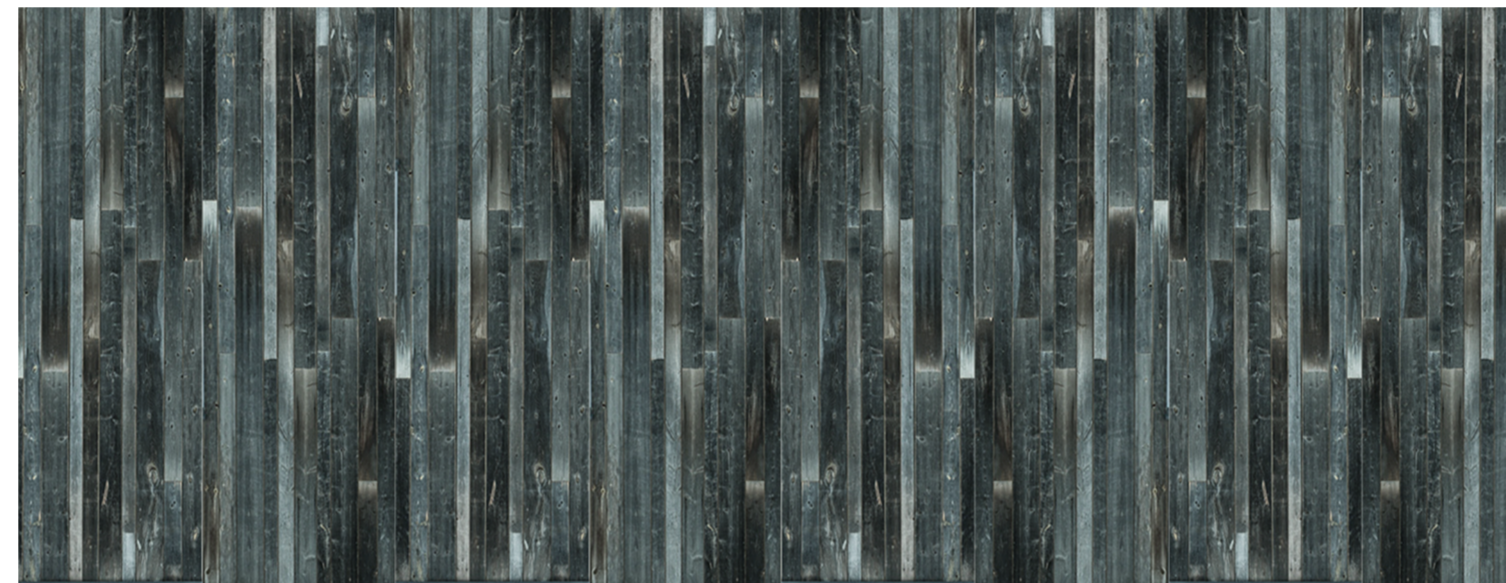


A STANDARD WILDLIFE WATCHING HIDE WITH SUPPLEMENTS FOR REWILDING EUROPE, VERSION 1.0



Wood is a versatile material, and the only renewable building material. Wooden structures are usually characterized by a combination of different components that together provide the best possible resistance, heat-, sound- and moisture insulation, fire resistance and durability.

By increasing the proportion of wood in the actual construction, the use of construction materials such as concrete, steel and brick, are

diminished. These materials do not come from renewable sources; require a lot of energy for their production and results in higher emissions of carbon dioxide.

Wood is a local resource, most countries have indeed a vast resource of trees that can be used in wood production, and even though few countries are pronounced manufactures and exports of timber, timber can still be produced locally.

Furthermore, wood as pure aesthetic is highly stylish, and

the different types and deviations in colour and tints that can be achieved are immense. Wood can likewise be colourized, stained, pickled, oiled etc.

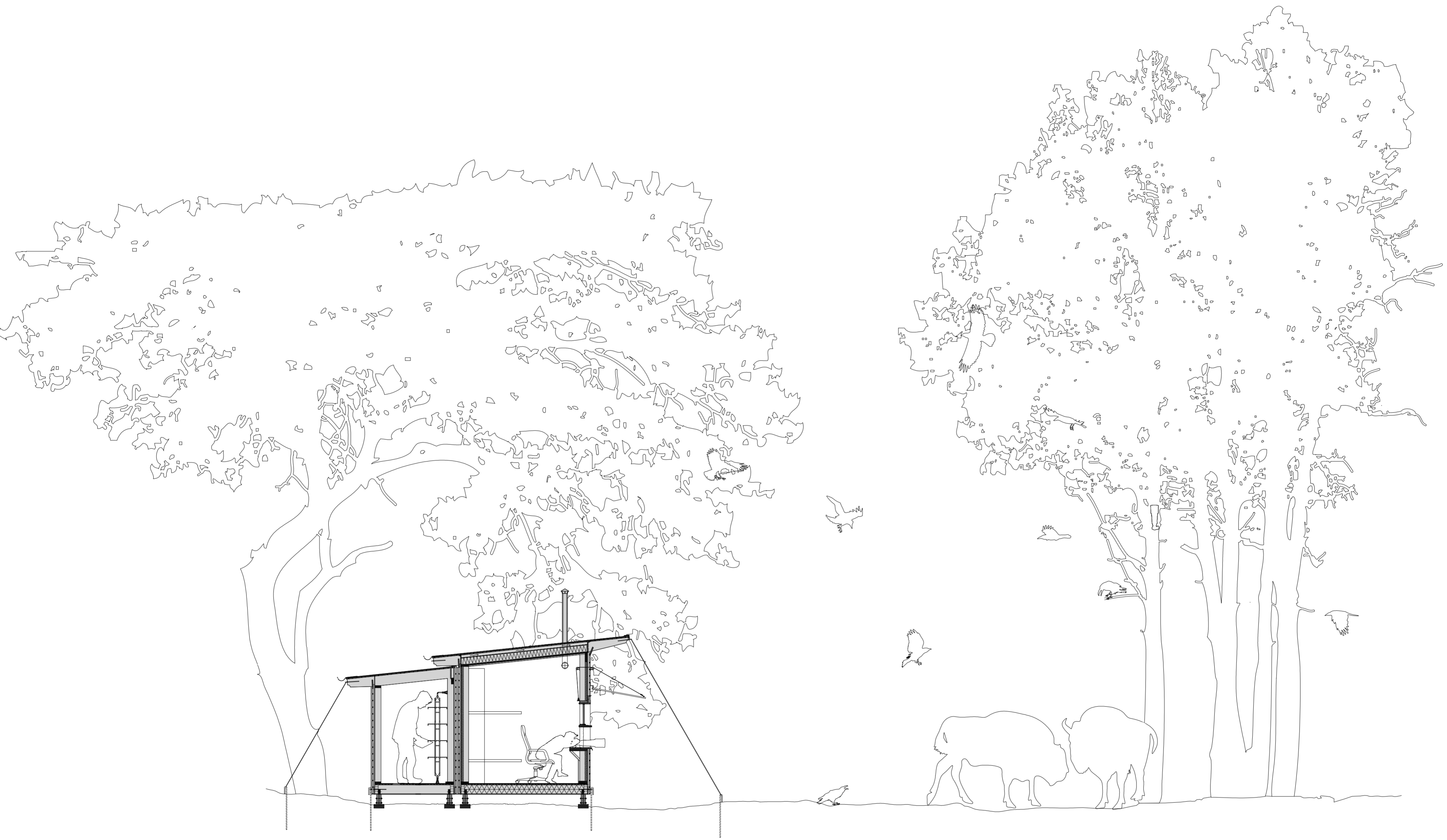
The wildlife-watching hide is supposed to be used pretty much everywhere in Europe, in any topography and landscape. The hide should also be used in summer as well as during winter. Therefore, the hide's appearance is crucial.

For this hide a wooden façade with overlying planks

was used. The timber is normal pinewood, where each plank is painted with a different stain giving the whole façade an interesting and appealing character. (see picture above) The stain is water based and will gradually alter in tint over time, making the expression of the hide further interesting. The colour variation makes it possible for the hide to blend in with its surrounding, it will be concealed during summer and during winter.

Version 1.0
August 2014
© 2014 Architect: Mattias Pedersen
Text: Mattias Pedersen
All drawings © 2014: Mattias Pedersen
Design: Mattias Pedersen

pede@kth.se



CLIENT:
REWILDING EUROPE

ARCHITECT:
MATTIAS PEDERSEN

PROJEKT:
WILDLIFE WATCHING HIDES

DRAWING NAME:
WildWatch 1c site section

DRAWING NO:
1_50_SITE_SECTION

SCALE DATE
150 @ A2 4 AUGUST 2014

The hide's suitability fits practically all the conceivable target groups, but is nevertheless designed mainly for the nature enthusiast and the high-level nature photography professional. With the hide's flexibility and mobile ability, the users specific requirements concerning landscape background, sun position, ground levels with no tower or high platforms are all attained.

The photography aspect is conventional, designed for 4-5 persons, the hide features in total twelve shooting holes from where you can photograph. Eight holes on the long side and two holes on each short side. The configuration could therefore be diverse. One possible outcome is e.g.

two persons shooting through two camera holes each on the long side directing the lenses straight at the object subject to photography. And one person respectively on the verges, having in total four shooting holes each, covering therefore a broader photo spectrum but may not have the object in question straight aligned.

Each camera hole has an unstinted sizing in order to house even the largest of telephoto lenses and to accommodate the will of free maneuvering. The bench along the viewing holes is sturdy and dimensioned in regard to the human size and needs of space. Over the camera holes, a large window is placed, as opposed to thin

observation slits, to accomodate the general public and the nature enthusiasts who want to see the animals clearly.

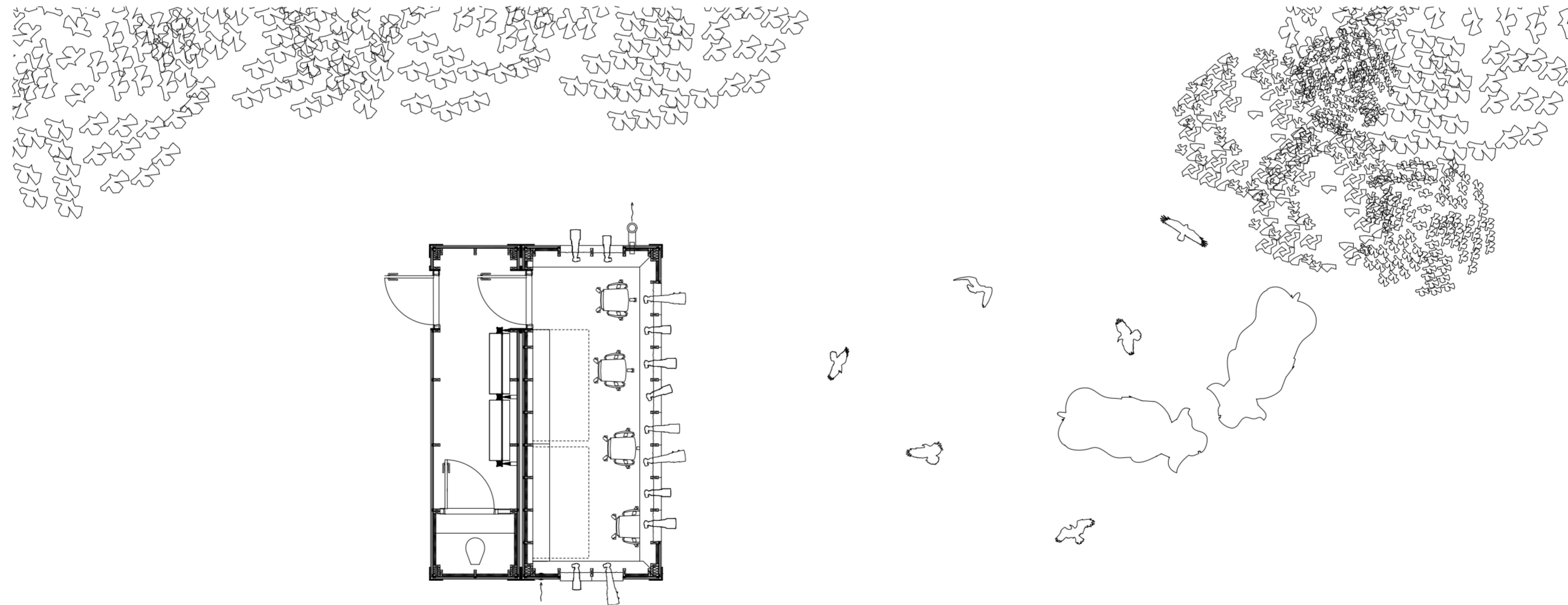
The hide features two bedside cabinets containing two beds each, additional mattresses can be placed on the floor. (<http://www.compact-livingbutiken.se/>).

Moreover the hide's ambition to be simple but with a basic level of comfort accommodates a rudimentary toilet in the extension volume. In order to not discomfit the commode visitor the toilet is insulated, additionally the stratum of sheeting and mattresses of the beds work as additional sound insulation.

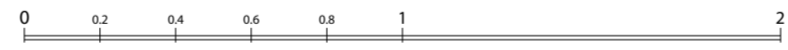
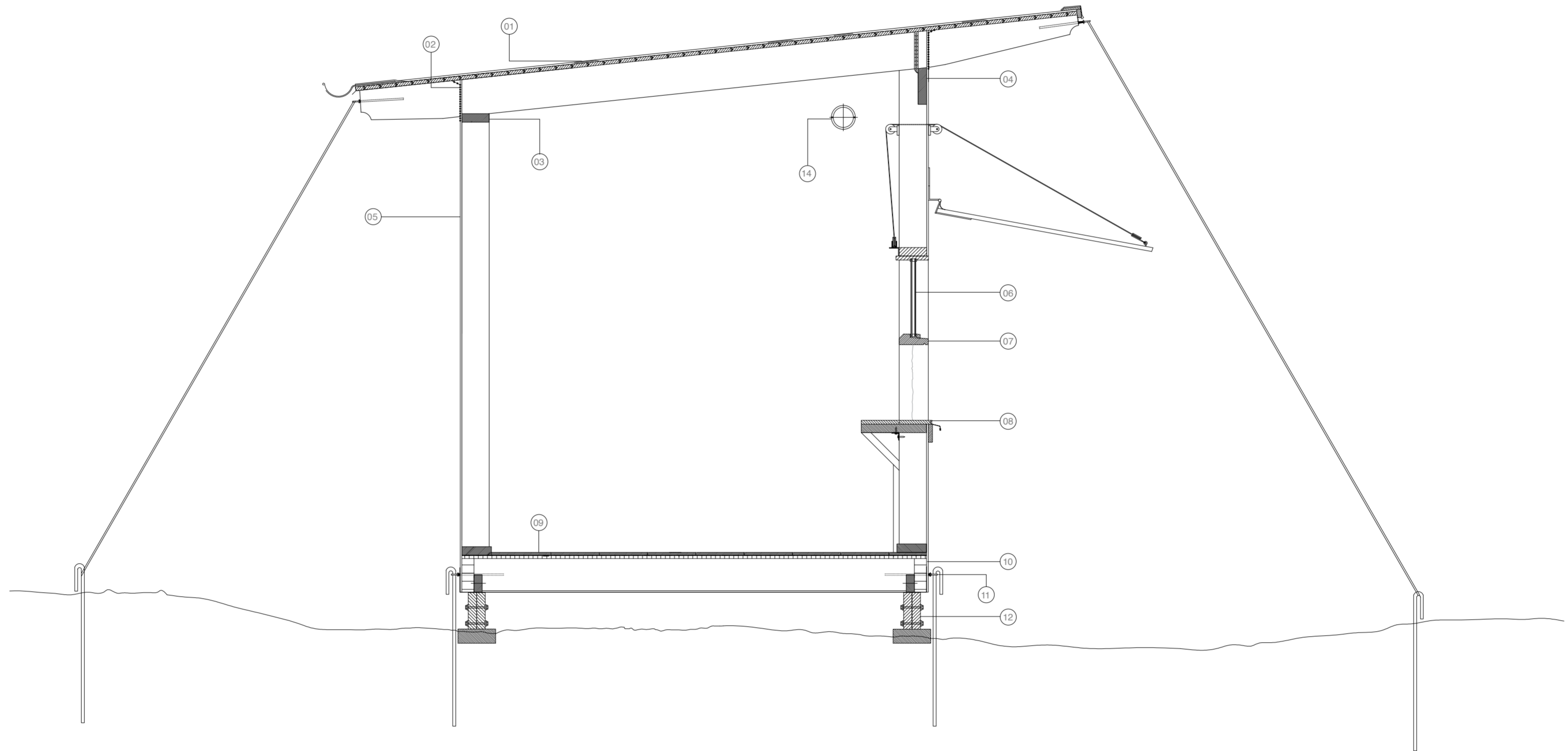
The hide gives plenty of storage options; bigger

luggage can be stowed in the extension volume. Smaller, photo gadgets can be stored on shelves over the window row, under the bench along the camera holes or in the corners.

In order to provide for a pleasant sojourn insulation against heat and against cold could be added. The roof construction is a shed roof with a ten-degree tilt on both the main structure and the annex's volume. The roof is dimensioned to resist a snow zone value of 3; in comparison Stockholm has a value of 2. But the idea is that snow and water runs off the roof. Shutters can be raised above the windowss, preventing rain from striking the lenses and the mirrored glass.



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 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 WildWatch 1c site plan
 DRAWING NO:
 1_50_SITE_PLAN
 SCALE DATE
 150 @ A2 4 AUGUST 2014



CLIENT:
REWILDING EUROPE
ARCHITECT:
MATTIAS PEDERSEN
PROJEKT:
WILDLIFE WATCHING HIDES
DRAWING NAME:
WildWatch 1 Basic section AA
DRAWING NO:
1_20_SEKTION_DETAIL_1
SCALE DATE
1:20 @ A2 4 AUGUST 2014

01.
Roof construction:
underlying roofing felt YAM 2 000.
roofing felt YAM 2 000.
20/95 mm tongue-in-groove board kind G4-3 or better, preferably pine.
45/195 C24 construction timber beams. CC 950mm.

02.
insect net

03.
45/145 mm binder, C14 construction timber.

04.
45/195 mm binder, C14 construction timber.

05.
Wall construction:
15mm externally approved, moisture resistant panel, e.g. a plywood type which is particularly suitable for wet.
45/145 C14 construction timber studs. CC 600 mm.

06.
double-glassed mirorglass

07.
56/155 mm larch (or pine) louvres.

08.
20/375 honed, low friction boarding. Could be subdivided into 200 mm board and 175 mm planed board.

09.
Floor construction:
14 mm wood fibreboard, alternative a 10 mm stiff insulation board above vapour barrier.
15 mm plywood.
45/170 mm wood battens.
3 mm synthetic sheet.
2 mm bent metal strip under the joists with screw eye.

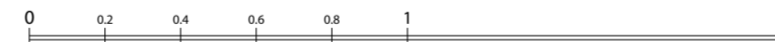
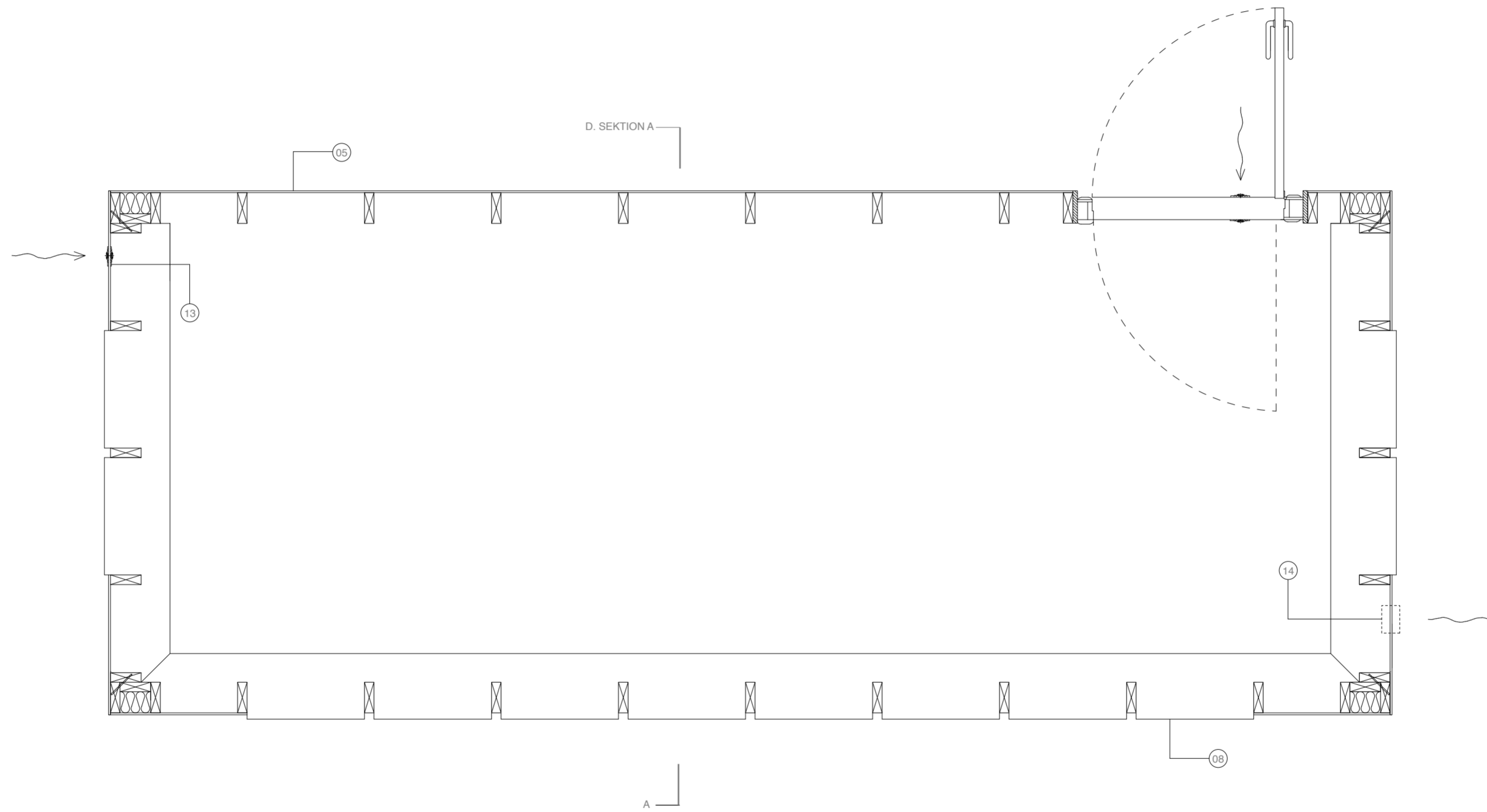
10.
65/177 mm laminated timber beam.

11. minimum 300 mm french screw with a big screw eye.

12.
2 45/195 mm pressure-impregnated timber plates.

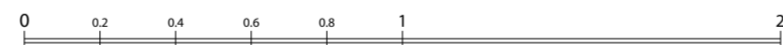
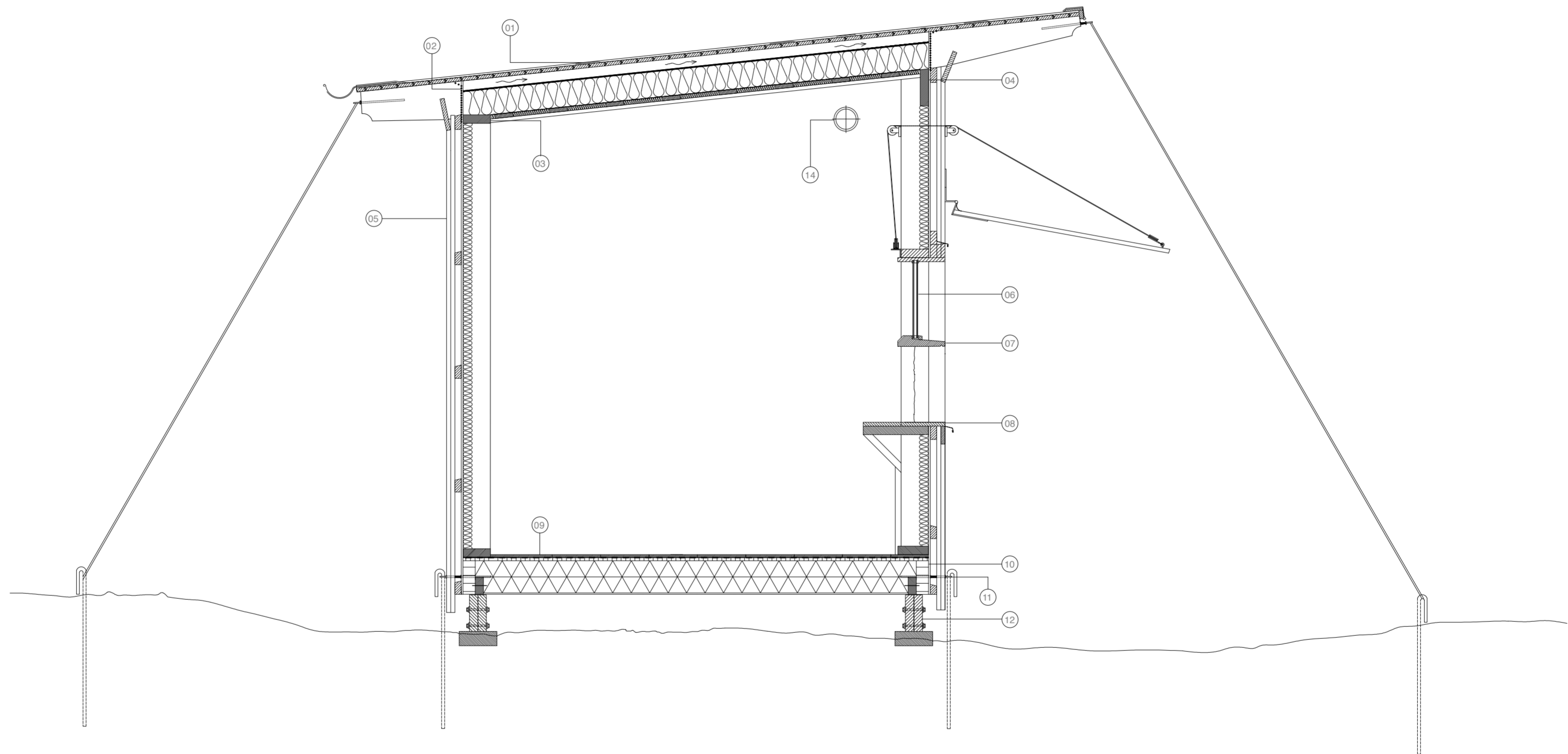
13.
ventilation in

14.
ventilation out



CLIENT:
REWILDING EUROPE
ARCHITECT:
MATTIAS PEDERSEN
PROJEKT:
WILDLIFE WATCHING HIDES
DRAWING NAME:
WildWatch 1 Basic plan
DRAWING NO:
1_20_PLAN_DETAIL_1

SCALE DATE
1:20 @ A2 4 AUGUST 2014



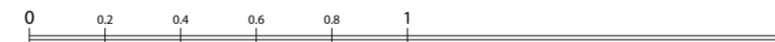
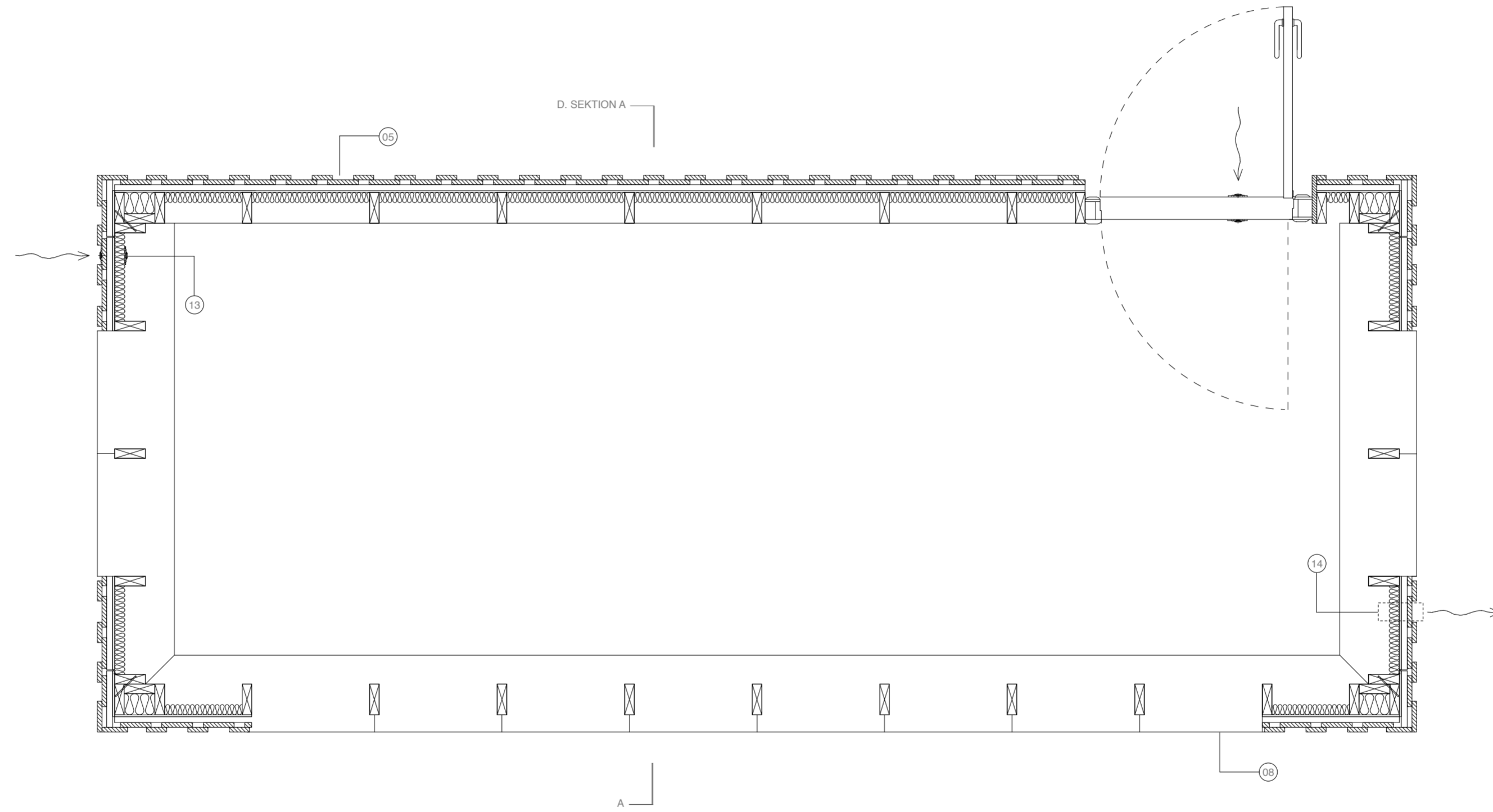
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 ARCHITECT:
 MATTIAS PEDERSEN
 PROJEKT:
 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 WildWatch 1A section AA
 DRAWING NO:
 L_20_SEKTION_DETAIL_1A
 SCALE DATE
 1:20 @ A2 4 AUGUST 2014

01.
Roof construction:
underlying roofing felt YAM 2 000.
roofing felt YAM 2 000.
20/95 mm tongue-in-groove board kind G4-3 or better, preferably pine.
50 mm ventilated air gap.
3.2 mm hardboard for windbreak.
138 mm polyurethane (PUR) SPU AL100 insulation between 45/195 C24 construction
timber beams. CC 950mm.
vapour barrier.
22/95 mm furring (insulated installation layer) raw planed or sawn planks of variety G4-3 or
better.
Interior lining.
02.
insect net

03.
45/145 mm binder, C14 construction timber.
04.
45/195 mm binder, C14 construction timber.
05.
Wall construction:
cap-batten.
bottom batten.
air gap / capillary column
battens
windbreaks: inorganic material, externally approved and moisture resistant panel
50 mm polyurethane (PUR) SPU AL100 insulation between 45/145 C14 construction
timber studs. CC 600 mm.

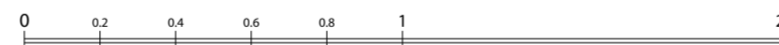
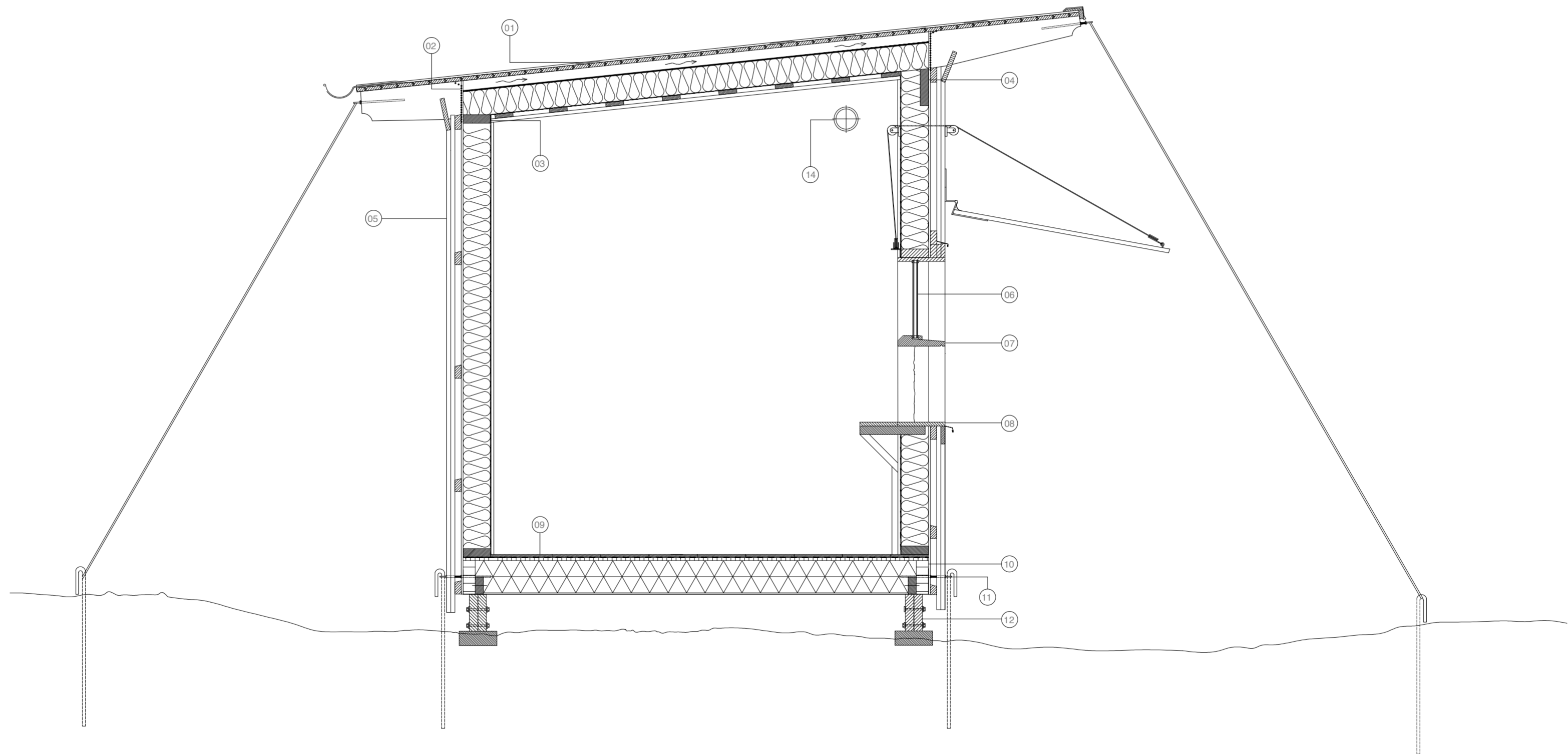
06.
double-glassed mirroerglass.
07.
56/250 mm larch (or pine) louvres.
08.
20/430 honed, low friction boarding. Could be subdivided into 200 mm board and 230 mm
planed board.
09.
Floor construction:
14 mm wood fibreboard, alternative a 10 mm stiff insulation board above
vapour barrier.
15 mm plywood.
170 mm polyurethane (PUR) SPU AL100 insulation between 45/170 mm wood battens.
3 mm synthetic sheet.
2 mm bent metal strip under the joists with screw eye.

10.
65/177 mm laminated timber beam.
11. minimum 300 mm french screw with a big screw eye.
12.
2 45/195 mm pressure-impregnated timber plates.
13.
ventilation in
14.
ventilation out



CLIENT:
REWILDING EUROPE
ARCHITECT:
MATTIAS PEDERSEN
PROJEKT:
WILDLIFE WATCHING HIDES
DRAWING NAME:
WildWatch 1A PLAN
DRAWING NO:
1_20_PLAN_DETAIL_1A

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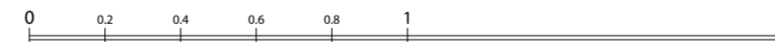
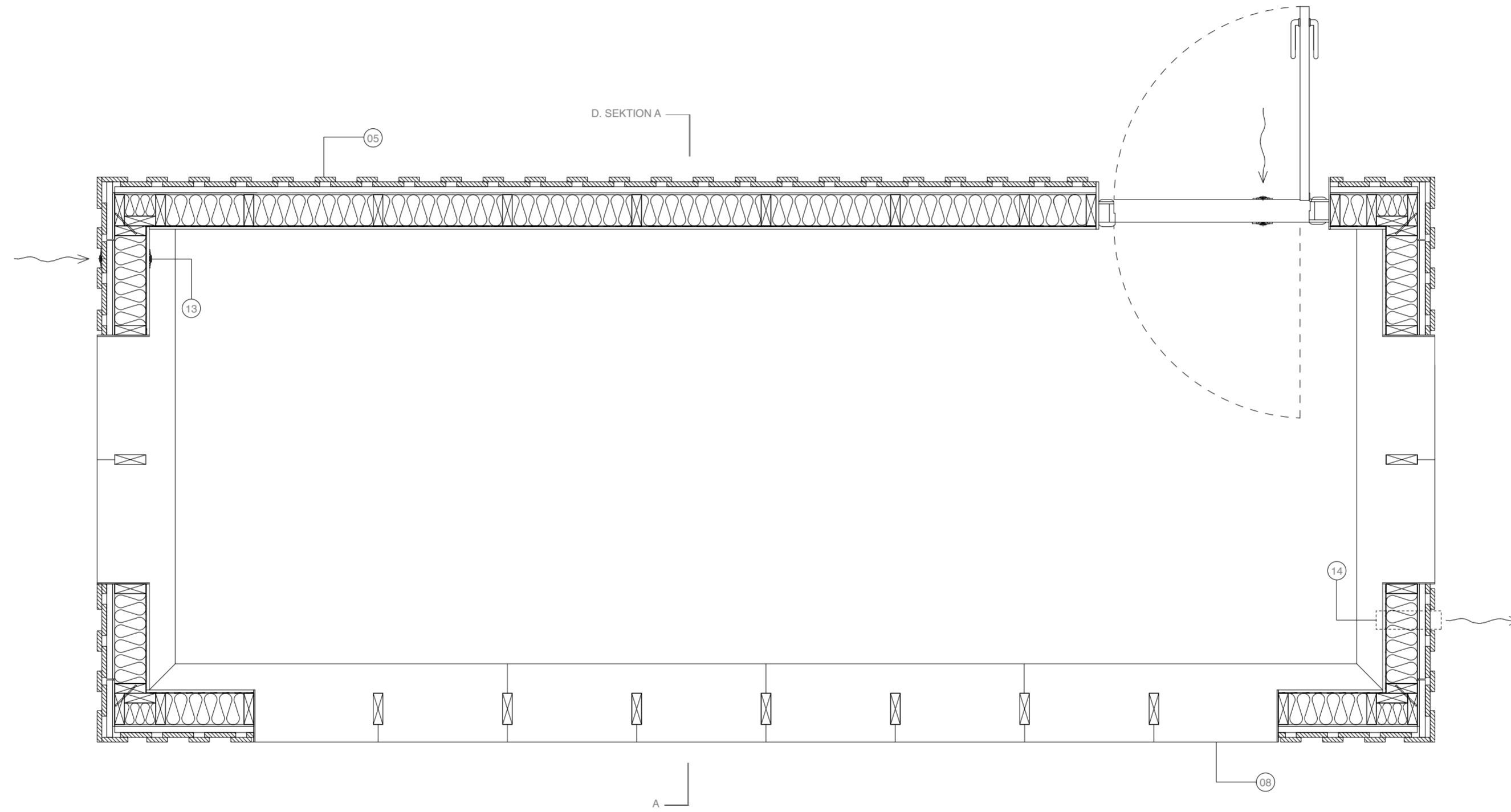
CLIENT:
 REWILDING EUROPE
 ARCHITECT:
 MATTIAS PEDERSEN
 PROJEKT:
 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 WildWatch 1B section AA
 DRAWING NO:
 1_20_SEKTION_DETAIL_1B
 SCALE DATE
 1:20 @ A2 4 AUGUST 2014

01.
 Roof construction:
 underlaying roofing felt YAM 2 000.
 roofing felt YAM 2 000.
 20/95 mm tongue-in-groove board kind G4-3 or better, preferably pine.
 50 mm ventilated air gap.
 3.2 mm hardboard for windbreak.
 138 mm polyurethane (PUR) SPU AL100 insulation between 45/195 C24 construction
 timber beams. CC 950mm.
 vapour barrier.
 22/95 mm furring (insulated installation layer) raw planed or sawn planks of variety G4-3 or
 better.
 22 mm polyurethane (PUR) SPU AL100 insulation.
 interior lining.
 02.
 insect net

03.
 45/145 mm binder, C14 construction timber.
 04.
 45/195 mm binder, C14 construction timber.
 05.
 Wall construction:
 cap-batten.
 bottom batten.
 air gap / capillary column
 battens
 windbreaks: inorganic material, externally approved and moisture resistant panel
 145 mm polyurethane (PUR) SPU AL100 insulation between 45/145 C14 construction
 timber studs. CC 600 mm.
 vapor barrier
 18.5/121 mm sawn softwood boarding

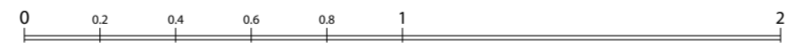
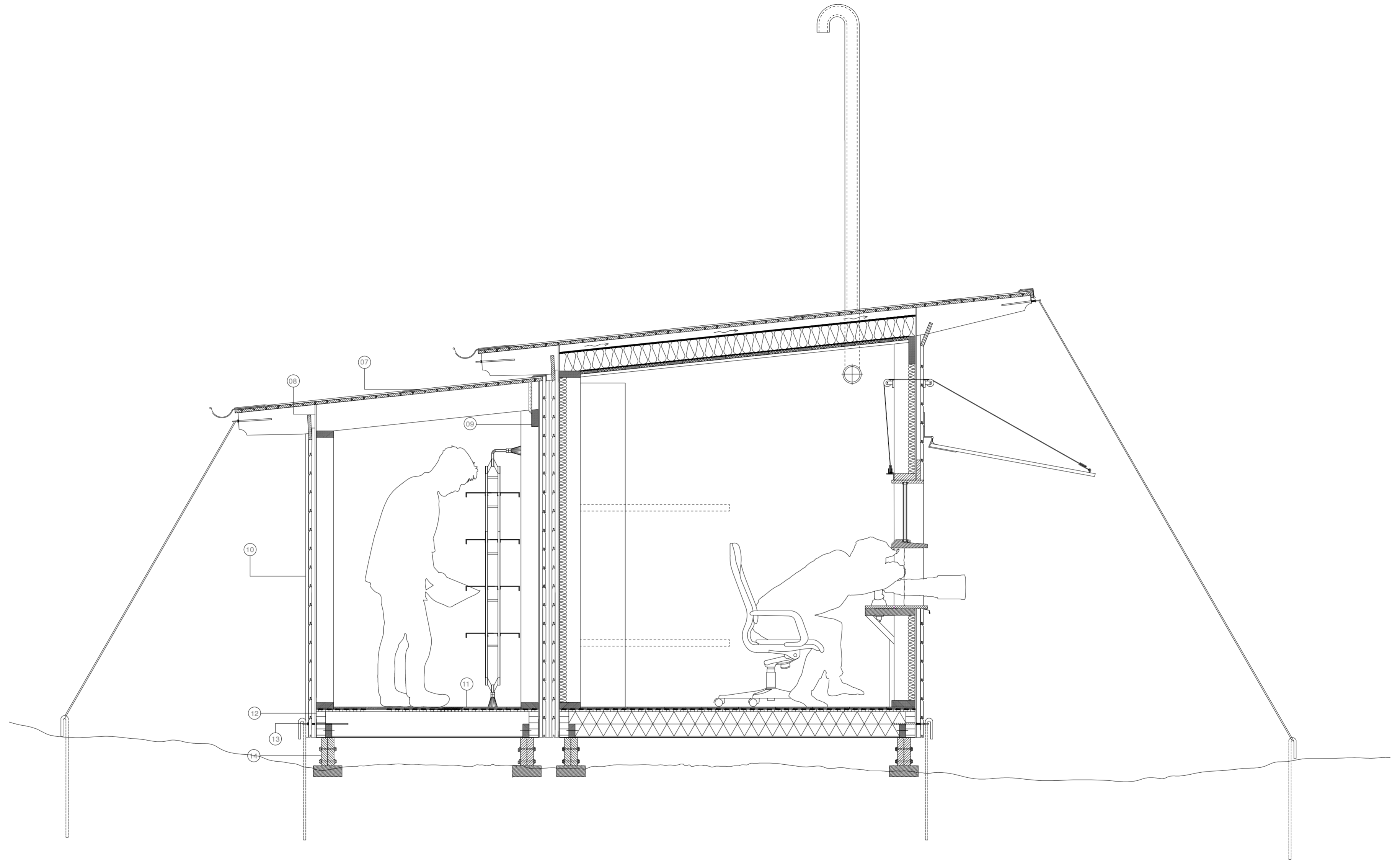
06.
 double-glassed mirorglass.
 07.
 56/250 mm larch (or pine) louvres.
 08.
 20/430 honed, low friction boarding. Could be subdivided into 200 mm board and 230 mm
 planed board.
 09.
 Floor construction:
 14 mm wood fibreboard, alternative a 10 mm stiff insulation board above
 vapour barrier.
 15 mm plywood.
 170 mm polyurethane (PUR) SPU AL100 insulation between 45/170 mm wood battens.
 3 mm synthetic sheet.
 2 mm bent metal strip under the joists with screw eye.

10.
 65/177 mm laminated timber beam.
 11. minimum 300 mm french screw with a big screw eye.
 12.
 2 45/195 mm pressure-impregnated timber plates.
 13.
 ventilation in
 14.
 ventilation out



CLIENT:
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 ARCHITECT:
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 PROJEKT:
 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 WildWatch 1B plan
 DRAWING NO:
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 PROJEKT:
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 DRAWING NAME:
 WildWatch 1C section AA
 DRAWING NO:
 L_20_SEKTION_DETAIL_1C
 SCALE DATE
 1:20 @ A2 4 AUGUST 2014

SUPPLEMENTS

- 01. isolation: 50 mm polyurethane (PUR) SPU AL100 insulation.
- 02. ventilation chimney, plastic VVS pipe with T-Fitting, two drainage holes and mosquito net.
- 03. 220/216/31 Murphy bed (fold-down bed) for two persons, Lollisoft in <http://www.smart-beds.se/>.
- 04. shelves for luggage or bigger, heavier stuff.
- 05. basic toilet.
- 06. chairs for visitors, can be placed under the bench along the viewing holes.

- 07. Roof construction:
underlying roofing felt YAM 2 000.
roofing felt YAM 2 000.
20/95 mm tongue-in-groove board kind G4-3 or better, preferably pine.
50 mm ventilated air gap.
3.2 mm hardboard for windbreak.
45/195 C14 construction timber beams. Utilization 99%, Deformation of 8 mm (L / 302).
Support reactions 6,468 kN

- 08. insect net

- 09. 45x120 mm binder, C14 construction timber. Utilization of 89%,
Deformation 1 mm (L/759)

- 10. Wall construction:
horizontal panel
nailable vertical batten.
air gap / capillary column
windbreaks: inorganic material, externally approved and moisture resistant panel
50 mm polyurethane (PUR) SPU AL100 insulation between C14 45x120 construction timber studs. CC 600 mm. Utilization of 81% support reaction 2,696 kN.

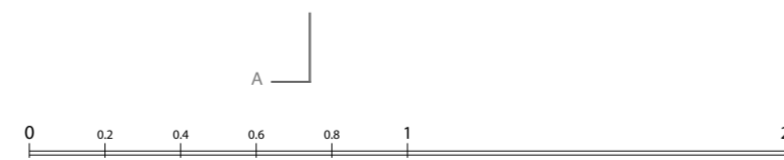
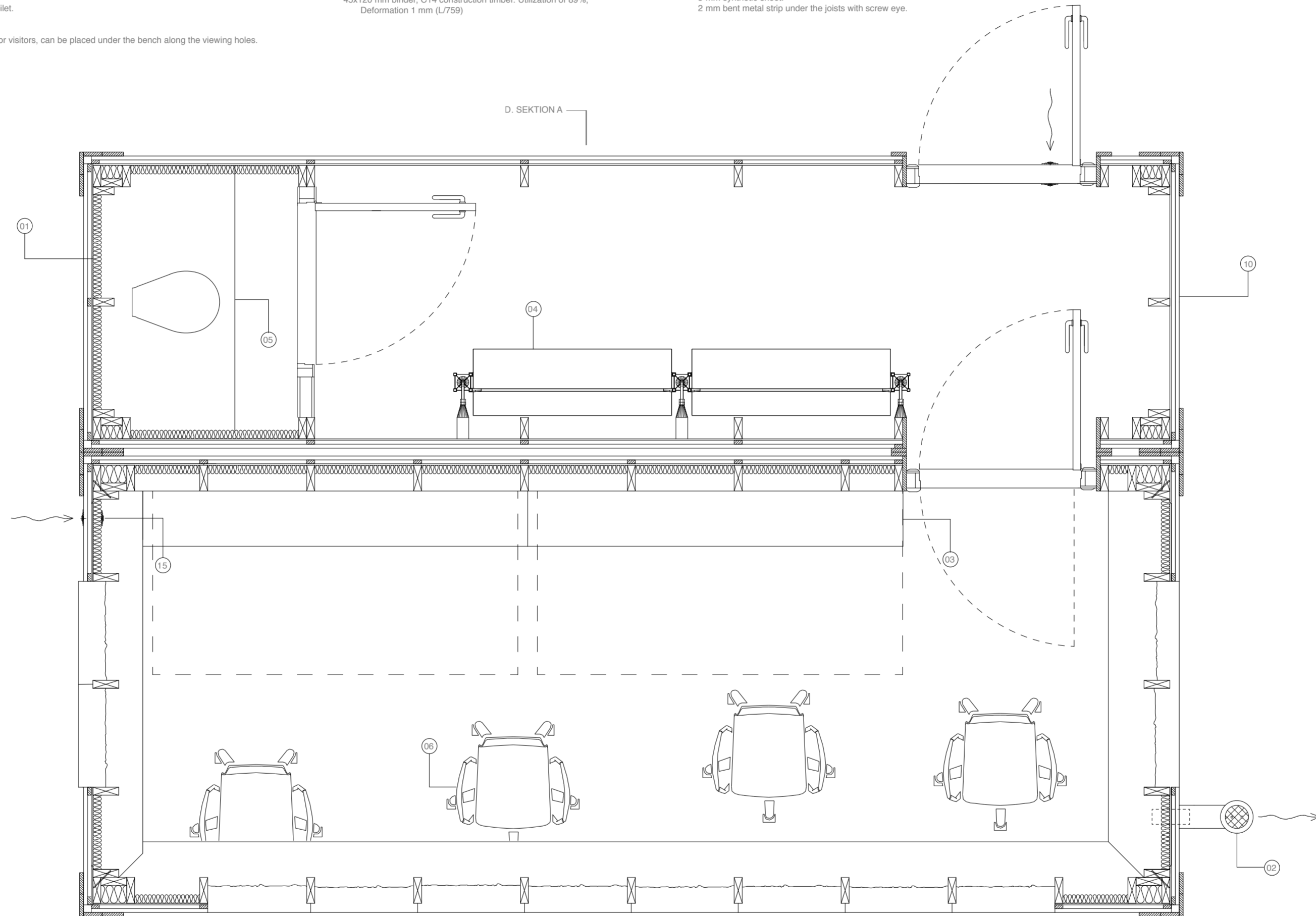
- 11. Floor construction:
14 mm wood fibreboard, alternative a 10 mm stiff insulation board above vapour barrier.
15 mm plywood.
170 mm polyurethane (PUR) SPU AL100 insulation between 45/170 mm wood battens.
3 mm synthetic sheet.
2 mm bent metal strip under the joists with screw eye.

- 12. 65/177 mm laminated timber beam.

- 13. minimum 300 mm french screw with a big screw eye.

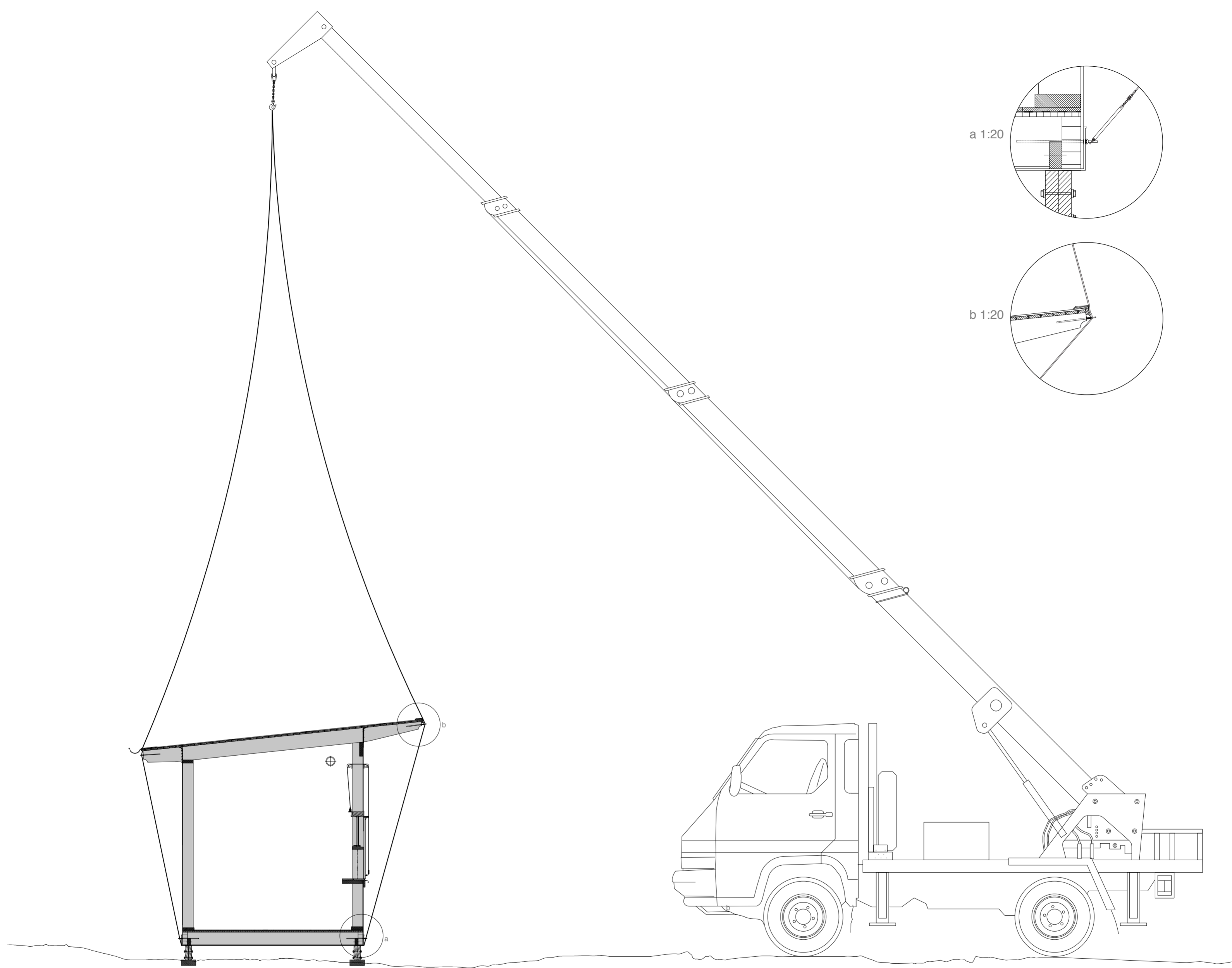
- 14. 2 45/195 mm pressure-impregnated timber plates.

- 15. ventilation in

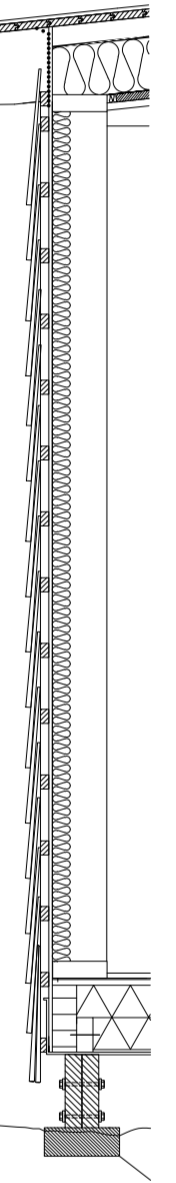
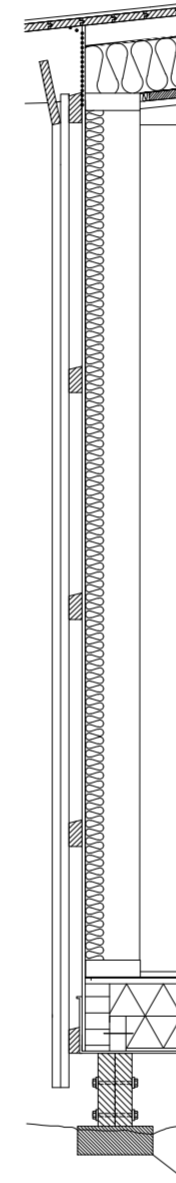
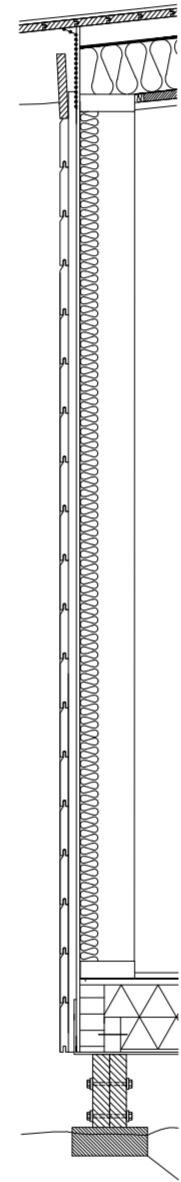


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ARCHITECT:
MATTIAS PEDERSEN
PROJEKT:
WILDLIFE WATCHING HIDES
DRAWING NAME:
WildWatch 1c plan
DRAWING NO:
1_50_PLAN_DETAIL_1C

SCALE DATE
1:20 @ A2 4 AUGUST 2014

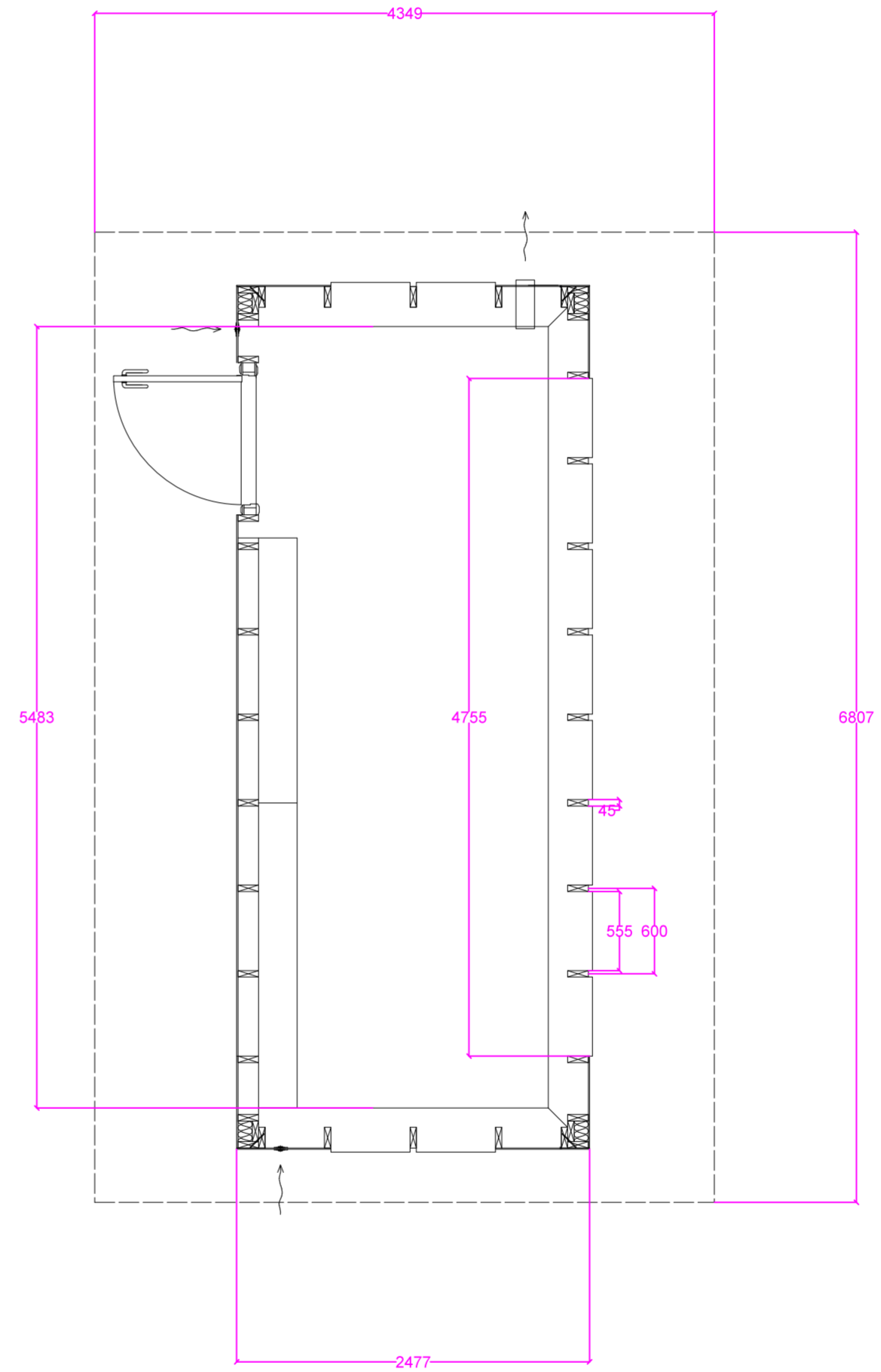
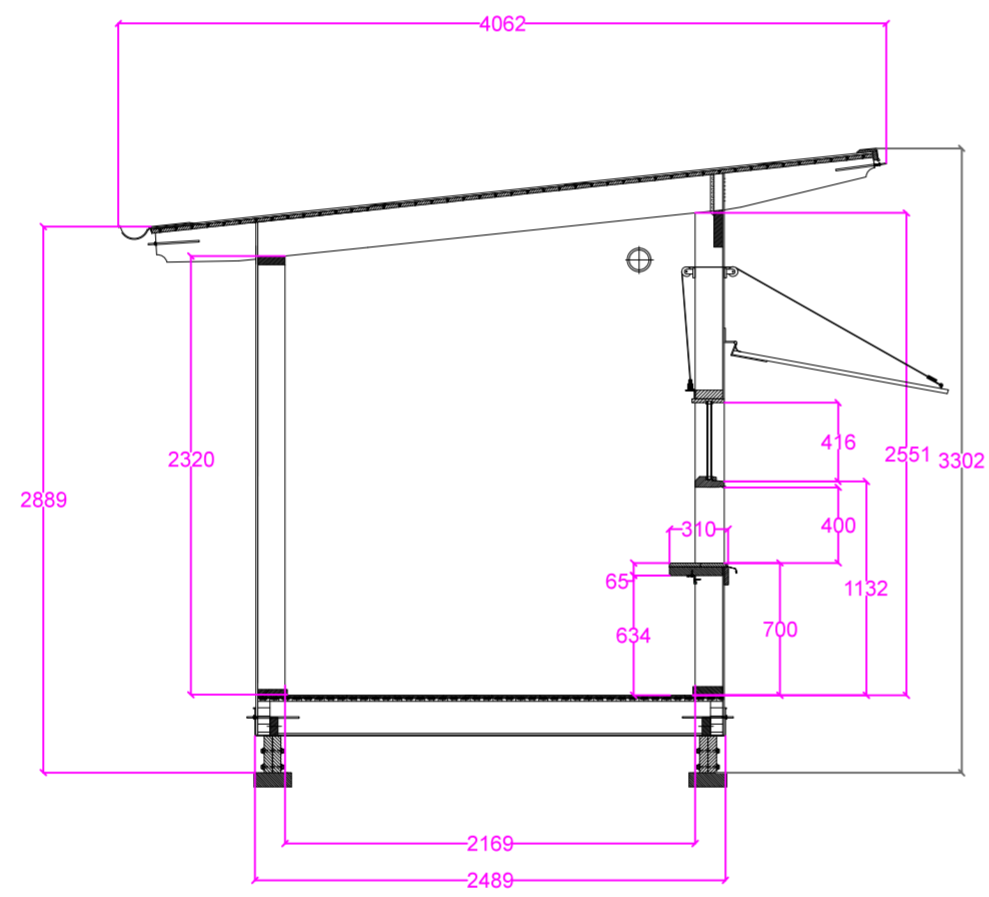


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 PROJEKT:
 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 WildWatch TRANSPORT
 DRAWING NO:
 I_40_TRANSPORT
 SCALE DATE
 1:40 @ A2 4 AUGUST 2014



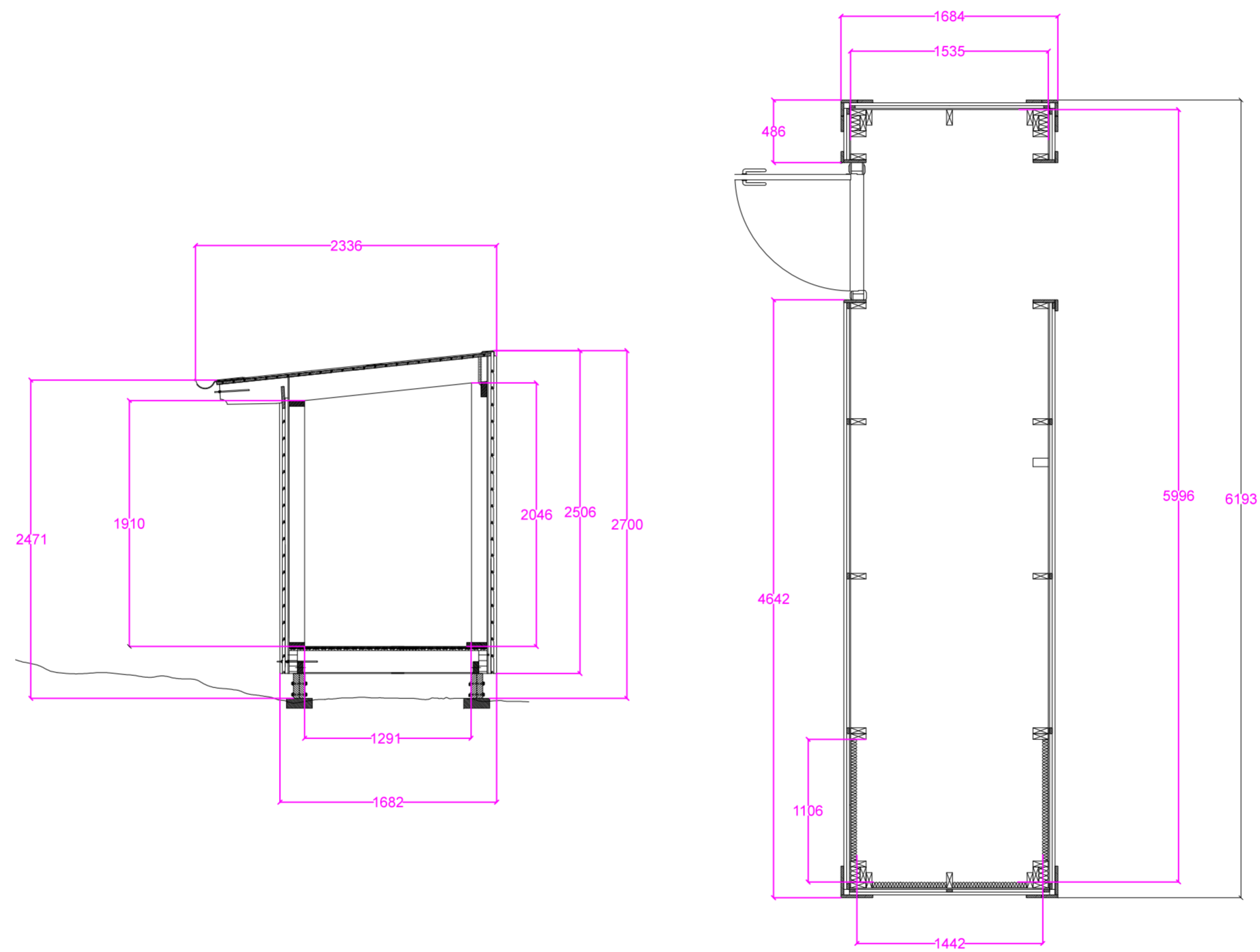
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DRAWING NO:
1_20_FACADES

SCALE DATE
1:20 @ A2 4 AUGUST 2014



CLIENT:
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 PROJEKT:
 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 WildWatch 1 Basic annotations
 DRAWING NO:
 1_40_PLAN_ANNOTATIONS_1

SCALE DATE
 1:40 @ A2 4 AUGUST 2014



CLIENT:
 REWILDING EUROPE
 ARCHITECT:
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 PROJEKT:
 WILDLIFE WATCHING HIDES
 DRAWING NAME:
 Wildwatch IC annotations
 DRAWING NO:
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SCALE DATE
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