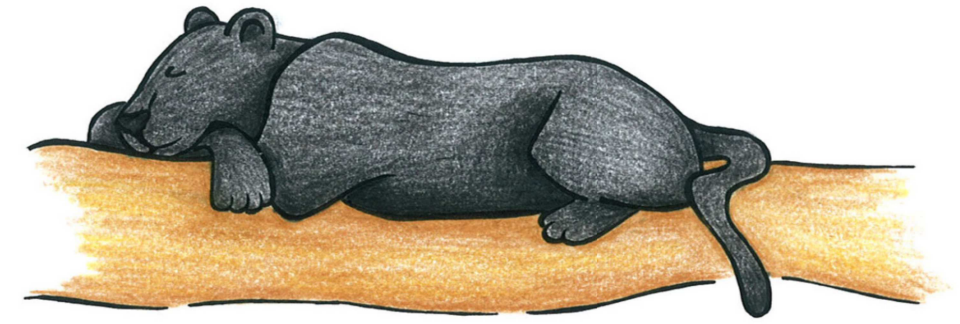
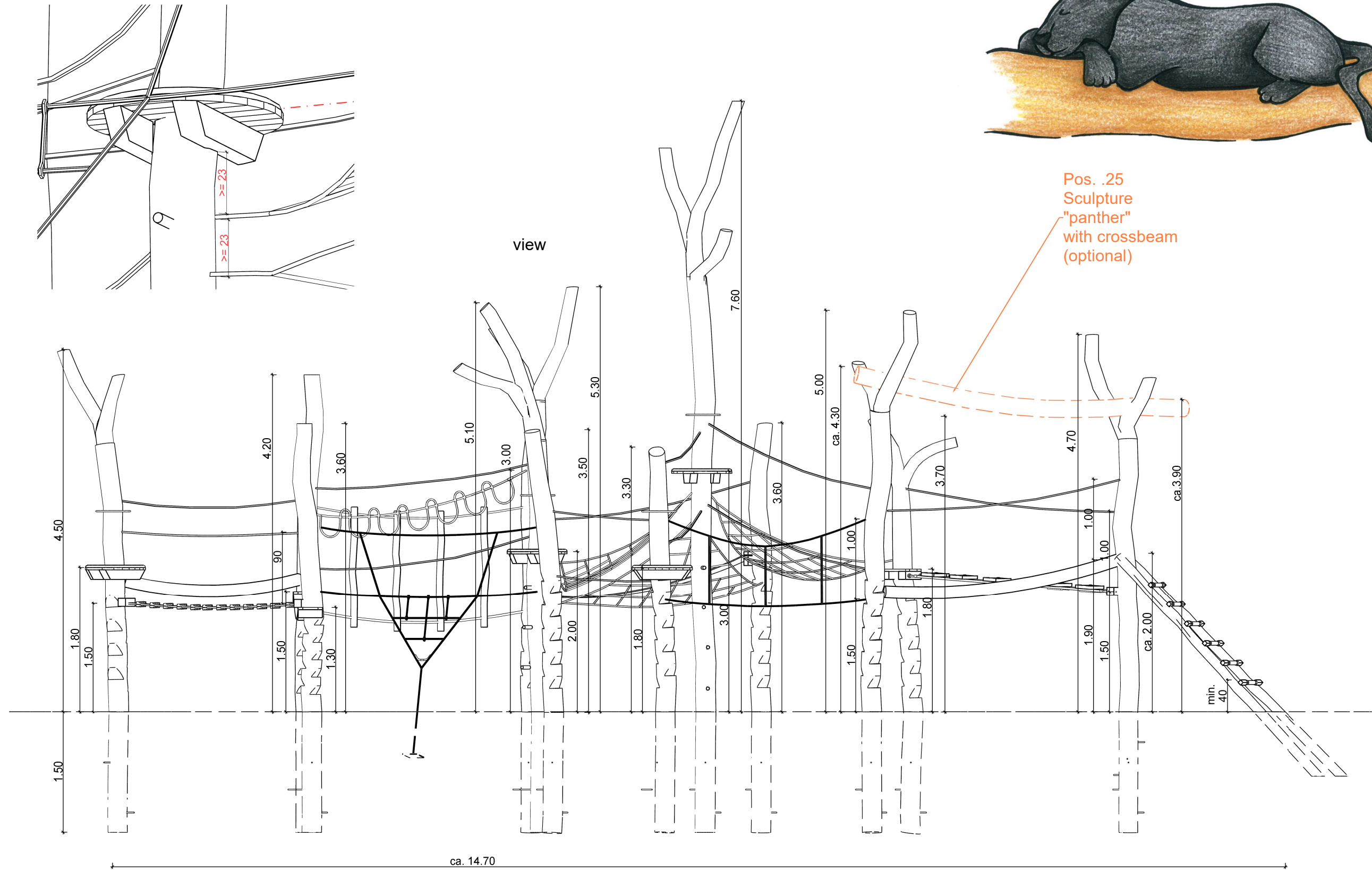


# Climbing balancing unit »Panther«



Pos. .25  
Sculpture  
"panther"  
with crossbeam  
(optional)



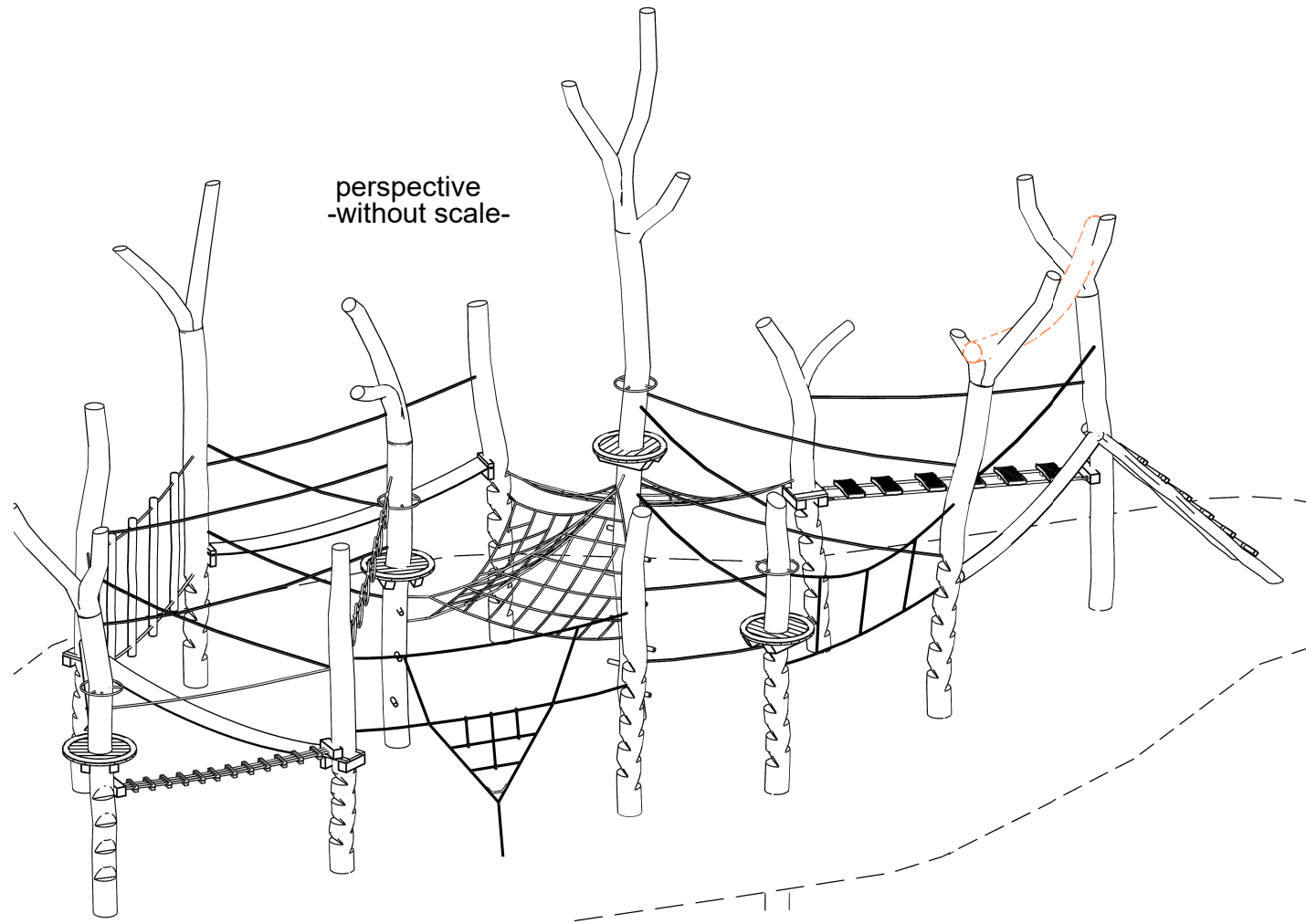
**wood certification: see order**  
The minimum area must be free of obstacles to/on which the user can during his movement unexpectedly fall or crash.  
Hard and sharp objects, as well as trip-surfaces count as obstacles.

project:	Climbing balancing unit »Panther«	scale:	A3; 1:50	page:	1/3
address:		date:	17.04.2023	fall height	max. 3,0m
advisor:		editor:	V.Liehr		
article ID:	2.12.115	order no.:			
project ID:		drawing type	assembly		



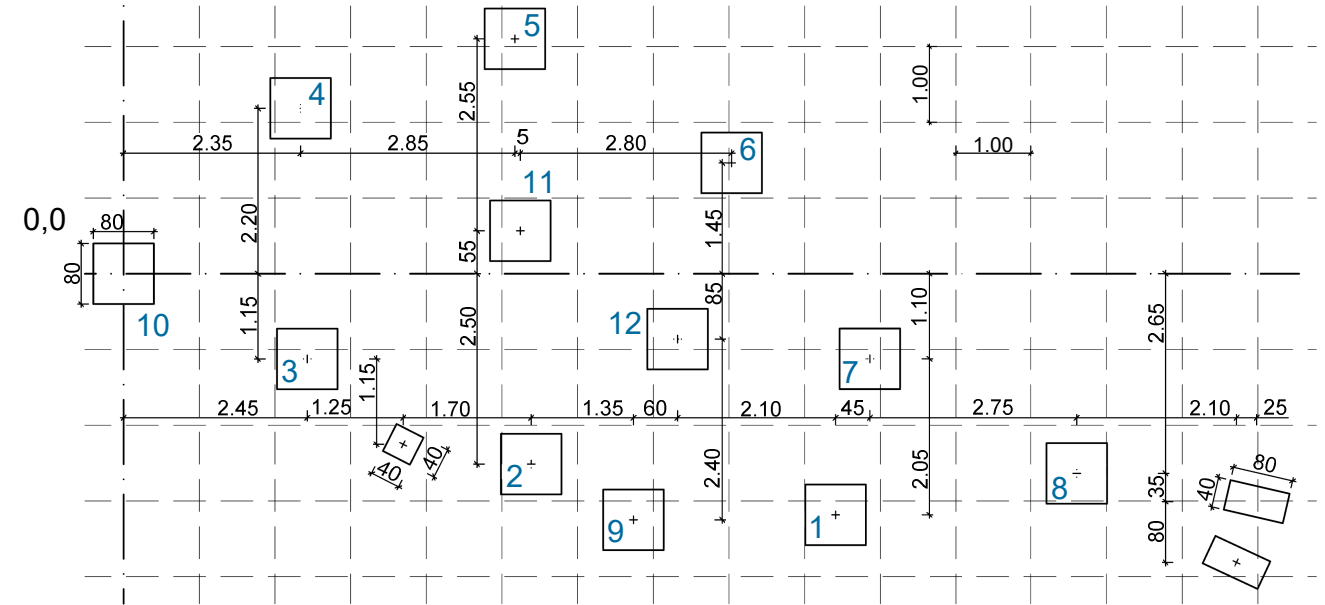


# Climbing balancing unit »Panther«

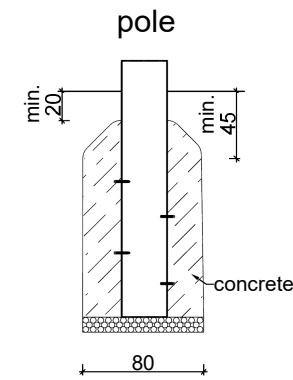


perspective  
-without scale-

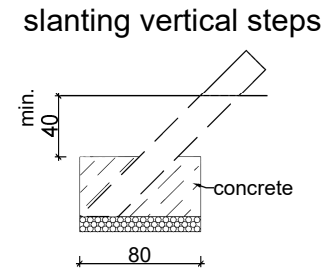
foundation plan  
check measurements  
on building site  
because of crooked trees different  
measures are possible



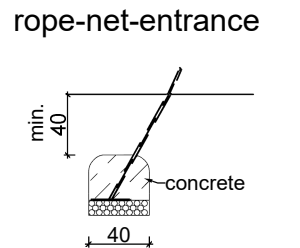
foundation detail  
-without scale-  
-minimum soil class III;  
check compression or  
make foundation bigger-



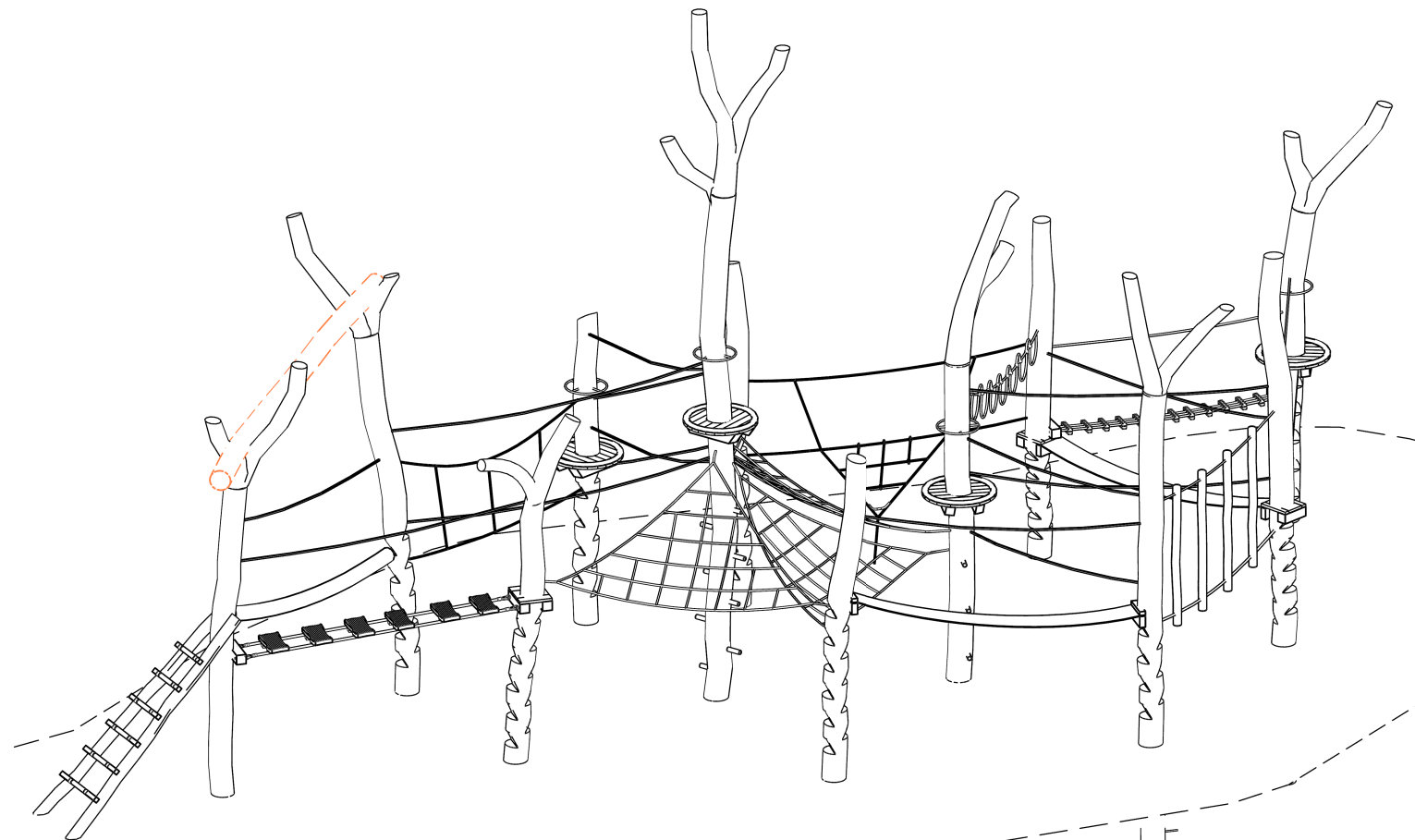
pole



slanting vertical steps



rope-net-entrance



**wood certification: see order**  
The minimum area must be free of obstacles to/on which the user can during his movement unexpectedly fall or crash.  
Hard and sharp objects, as well as trip-surfaces count as obstacles.

project:	Climbing balancing unit »Panther«	scale:	A3; 1:100	page:	3/3
address:		date:	17.04.2023	fall height	max. 3,0m
advisor:		editor:	V.Liehr		
article ID:	2.12.115	order no.:			
project ID:		drawing type	assembly		



# ASSEMBLING INSTRUCTION

## 2.12.115 Climbing Balancing Unit "Panther"

**Ropes and monkey rope are measured during assembly, ordered with order drawing at SIK-Holz and will be delivered and assembled in addition!**

### Scope of delivery

Amount	Denomination	Measure
2	<b>look-outs at 300 kg</b>	600 kg
2	climbing posts with look-out at 225 kg	450 kg
8	climbing post at 200 kg	1600 kg
1	slanted ladder	100 kg
1	rope traverse	15 kg
1	rope net ascent with ground anchor plate	15 kg
1	balancing jetty	20 kg
2	balancing belt jetties at 20 kg	40 kg
1	wobbly boarded jetty	30 kg
1	hovering woods	30 kg
3	triangle nets at 10 kg	30 kg
2	balancing ropes $\varnothing$ 150 mm at 40 kg	80 kg
1	support rope $\varnothing$ 18 mm	2 kg
10	support ropes $\varnothing$ 18 mm at 2 kg (order drawing)	20 kg
1	monkey rope (order drawing)	5 kg
5	balancing ropes $\varnothing$ 24 mm at 3 kg (order drawing)	15 kg
<b>Sum</b>	<b>approx.</b>	<b>3052 kg</b>

All weights are approximate. The heaviest component is highlighted in bold.

### Tools

- spade, shovel, tape measure, spirit level, hammer and ladder
- socket wrench 17 / 19 mm, screwdriver with insert Torx Bit (TX 10-30)
- 2 persons (2 installers at 40 h), telescopic loader with palette fork, mini excavators
- approx. concrete 9.5 m<sup>3</sup> C 20/25

### Assembling

- First, the playing surface (security area) should be measured, set the point (height) and the start point (look-out outside) can be determined.
- Determine the foundation positions according to plan. **Measures are to be checked by the client/customer, because of the natural growth forms of the wood.** To determine the position of the foundations, use the attaching parts.
- Digging holes depending on the section for the Climbing Unit and depending on the ground conditions a drainage layer, for example gravel layer 10 cm in order to prevent stagnant moisture.
- In the foundation area of the post is to follow the included steel reinforcement.
- **Installation depths (cut, mark) on the post and/ or slide are to consider.**
- Lift the look-outs, climbing posts and ladder one after another into the prepared holes to adjust by means of spirit level and make them solid.

### Attention: if not adequately secured play towers or attachment parts may be tipping!

- Attachment parts one after another according to marking (Number on number and/or letter on letter / numbers indicate in brackets the screw length) mount.
- Information: Flexible attachments are to install with a slight sagging (please not too tight). To consider is the connection of the eye bolts in the direction of the pull of swing, bridge, nets and ropes. Please remove the nets and ropes –after the making of the concrete, if the use (the playing of the children) can not be excluded.
- After everything is assembled and aligned, the foundation according to the drawing can be properly completed.
- **Now the actual lengths of the ropes and monkey rope (red marked positions) between the posts can be determined, ordered with SIK-Holz (with order drawing) and installed later.**

# ASSEMBLING INSTRUCTION

- After 3–5 days of curing time, tightening all screw joints which fill game surface again and clear the game surface for playing.
- Transportation braces and installation damage are to be removed after installation on site, grind and paint damaged areas.

**Notice:** concrete needs about 28 days in order completely to harden.

## Security guidelines


During assembly and transport on site, play towers and/or attachment parts must always be adequately secured, either through technology or through attached transportation bracing.

***Required safety areas/ falling space around equipment are indicated on the installation drawings.***

Playground equipment with a potential height of fall of more than 600 mm and/or a forced movement require an impact attenuating/ shock-absorbing surface in the whole impact area below them according to the **EN 1176 and EN 1177**. (Non-shock-absorbing undergrounds are for example without limitation: bricks, stones, concrete, bitumen and wood.)

## Preventive maintenance instructions

**An operational check of the equipment must be carried out 2 weeks after installation.** Here the main attention should be paid to tight screw joints and stability. In general the equipment should be checked on a regular basis. A visual routine inspection should be carried out on a weekly basis. An operative inspection should be performed every 1–3 months and the general or main inspection has to happen on an annual basis. We recommend to check stability of posts once a year and to expose foundations, let them dry and to repaint them also below ground level above the foundation with a solvent free glaze. **(Further information concerning maintenance can be found in our *Checklist for Maintenance/ Inspection*, in our *General Maintenance Notes* and also in our catalogues, as well as on our website [www.sik-holz.de/en](http://www.sik-holz.de/en))**

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