



Berewood Introduction

Proposals for Play, Skate + Shelter

Play Area

Designed to appeal to all ages and abilities, the proposals for play at Berewood LEAP aims to provide a variety of play experiences that stimulate different types of play including social, imaginative, risk and challenge (pushing themselves with an 'I can do it' attitude). Opportunities for graduated play experiences, inclusive play and group play will primarily be aimed at juniors and teenagers, including opportunities for toddlers.

The play space has been designed with the future in mind, considering the long term sustainability of the space. Timberplay use sustainable and robust materials to ensure longevity and ease of maintenance. Effective community engagement combined with sound design and good long term maintenance will ensure the future success of the play space making visitors want to return again and again.

Skate Park

Designed for all wheeled sports users, as well as for riders of varying technical abilities, concrete offers excellent material characteristics. All elements are double-reinforced and cast in high quality C40/50 XC4-XF3, with the skating surfaces being concreted on special moulding matrices. This ensures the surface area has very high stability and guarantees longevity without maintenance, thus reducing lifetime costs considerably.

The elements are positioned on a 1cm thick mortar bed, firmly anchored with stainless steel sheet metals. This offers a skating surface with particularly smooth transition between elements and the driving surface, giving sufficient projection plus ultimately fun and safety for the users. To maintain the highest quality and functionality in a park, elements are finished with a double coating consisting of resin priming and polyurethane. Joints will be finished to ensure the smoothest running surface and there will be no edges, significantly reducing the risk of injury.

Youth Shelter

Designed to offer users a sense of privacy, enclosure and comfort within an open public space. These fascinating shelter pods explore shape, material and texture to create a pleasant and sheltered experience where people of all ages can congregate, rest singularly or find protection from the elements.





Berewood Location Plan

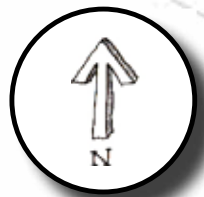
Proposals for Play, Skate + Shelter



Play Area

Kickabout Area

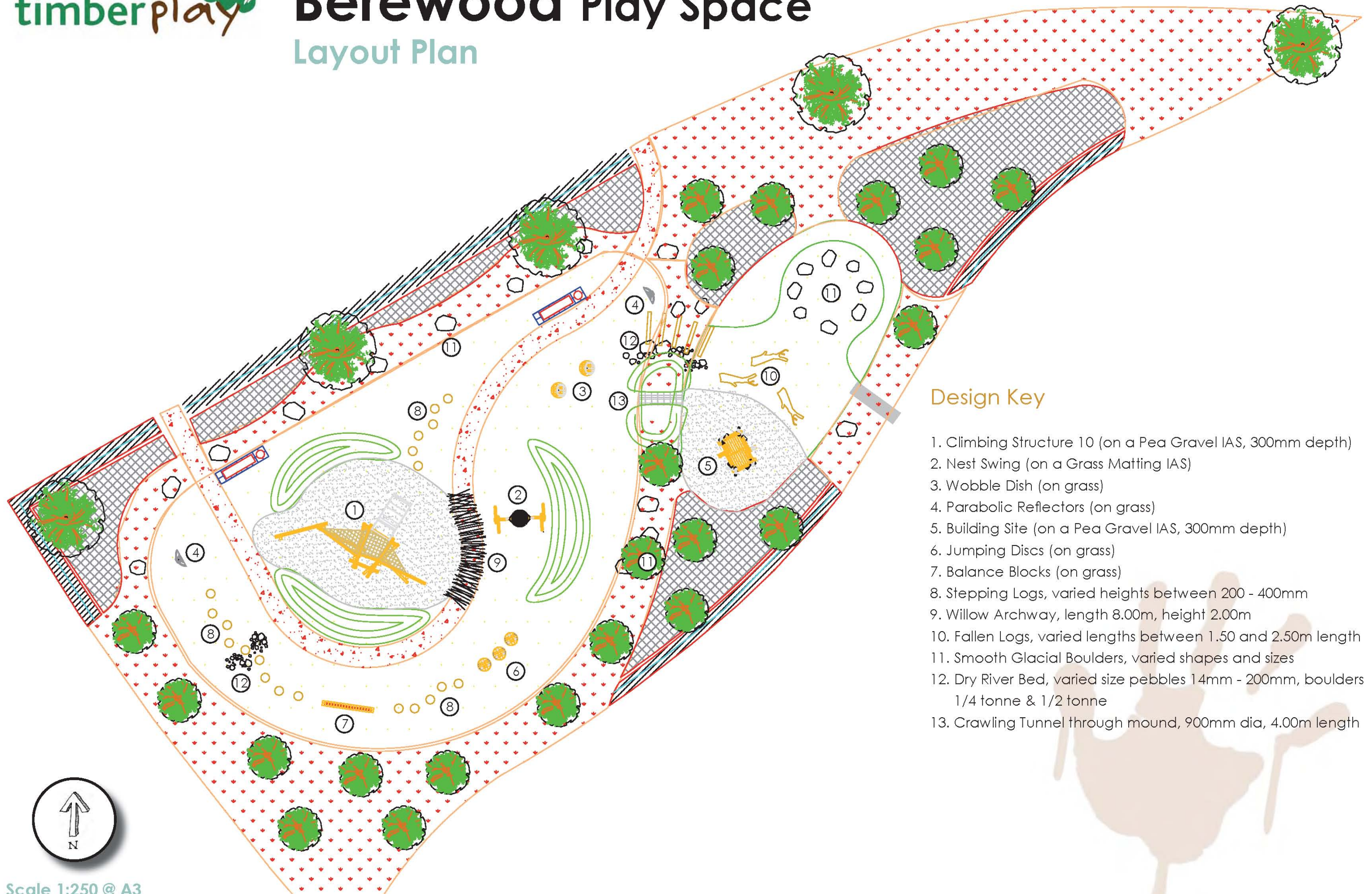
Skate Park + Youth
Shelter



Scale 1:1000 @ A3

Berewood Play Space

Layout Plan

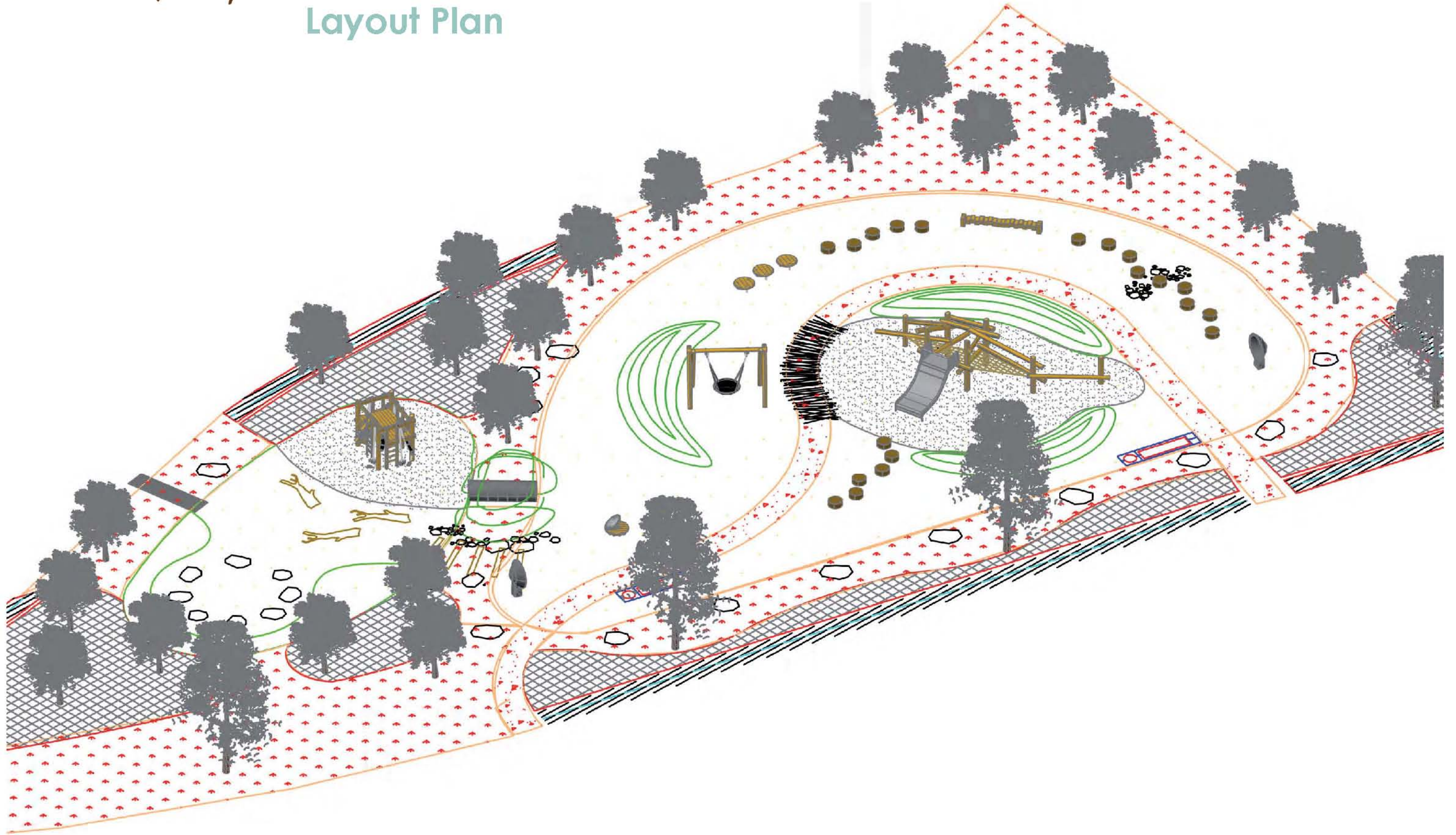


Design Key

1. Climbing Structure 10 (on a Pea Gravel IAS, 300mm depth)
2. Nest Swing (on a Grass Matting IAS)
3. Wobble Dish (on grass)
4. Parabolic Reflectors (on grass)
5. Building Site (on a Pea Gravel IAS, 300mm depth)
6. Jumping Discs (on grass)
7. Balance Blocks (on grass)
8. Stepping Logs, varied heights between 200 - 400mm
9. Willow Archway, length 8.00m, height 2.00m
10. Fallen Logs, varied lengths between 1.50 and 2.50m length
11. Smooth Glacial Boulders, varied shapes and sizes
12. Dry River Bed, varied size pebbles 14mm - 200mm, boulders 1/4 tonne & 1/2 tonne
13. Crawling Tunnel through mound, 900mm dia, 4.00m length

Berewood Play Space

Layout Plan



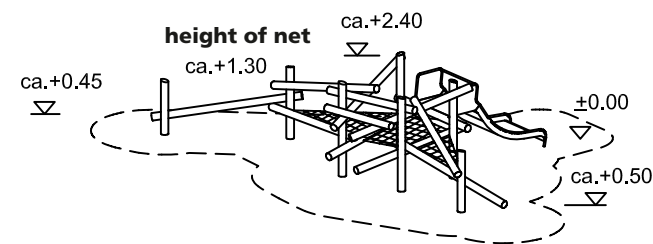
Berewood Play Space

Climbing Structure 10

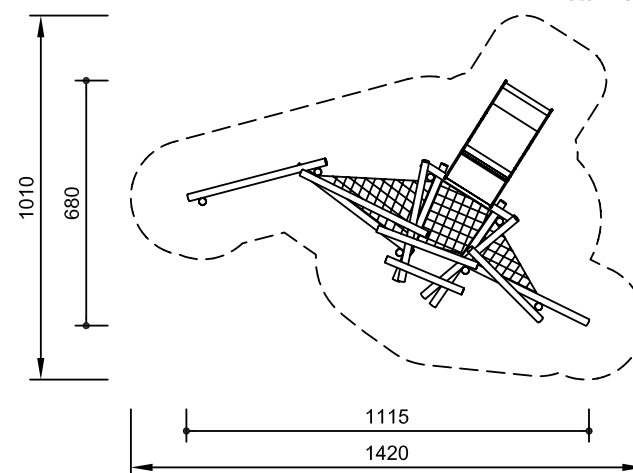
- Balancing
- Climbing/Agility
- Sliding

Climbing Structure 10
Order No. 6.51010

Height details in meters



scale 1:200
dimensions in cm



Technical information

posts of robinia, Ø 15 - 21 cm

angle cut

vertical support posts with angle cut in the end grain section as constructive wood preservation



Corocord® rope

special ropes of 'Hercules' type
six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them



aluminium swages

double-conical aluminium swages with rounded-off ends



S clamps

rounded Corocord® S clamps made of stainless steel, Ø 8 mm



Components

pre-fabricated gates
connecting tie beams
nets
fittings
stainless steel slide, attachment
height 1.50 m, width 1.50 m

Dimensions

(small deviations possible)

length 11.15 m
width 6.80 m

Required space
14.20 x 10.10 m

Installation information

Surfacing requirements
corresponding to a fall height of 3.00 m
(please refer to price list for more detailed information)

Foundations
7 items 80 x 80 x 60 cm
excavation depth 80 cm
Stainless Steel Slide
2 items 30 x 30 x 30 cm
excavation depth 70 cm

Note

The climbing structure is an individual construction which is only partly pre-assembled in our workshop. Therefore, the installation needs to be carried out by an installation company authorised by us. Subject to technical changes.

concealed head

large surface for pressure distribution, prevents water from getting inside, protects the bolt head



adjustable

no projecting threads after re-tightening due to two-piece bolt connection and therefore easy to maintain



distance fitting

to avoid entrapment of cords



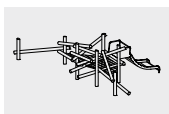
starting element of the slide

enlarged entry area for a safe crossing from climbing to sliding



Climbing Structures

Climbing Structures are made from hand-processed irregular round logs and can easily be integrated into the natural environment due to their expressive yet natural character. Climbing Structures can also absorb large numbers of children at one time. They encourage cooperation, interaction and role play within a flowing rhythm of play.



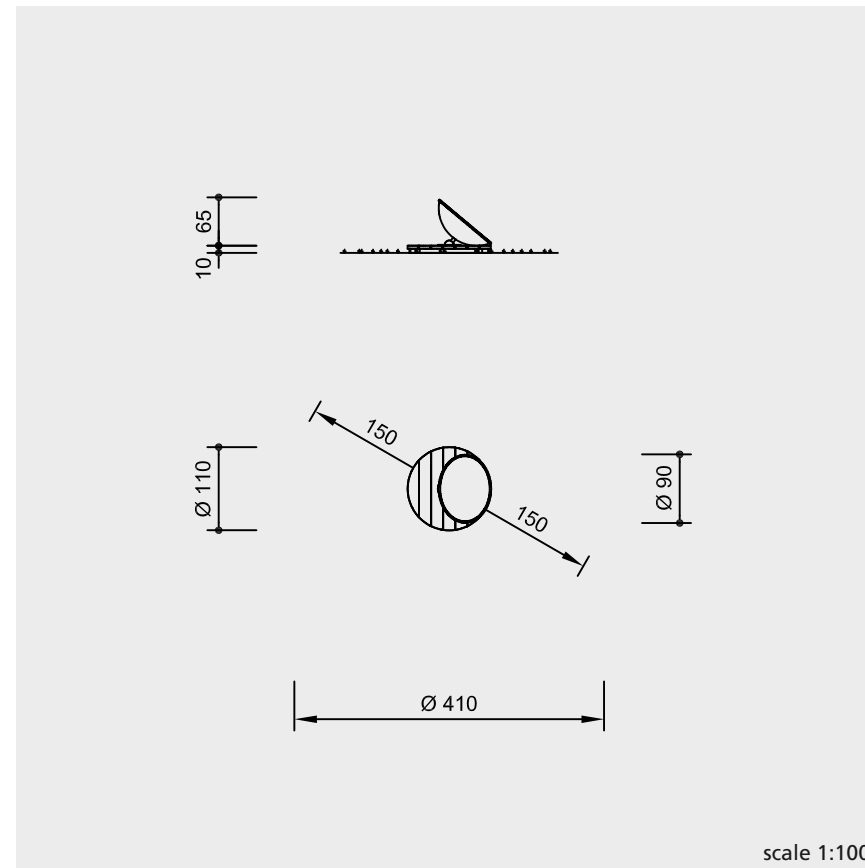
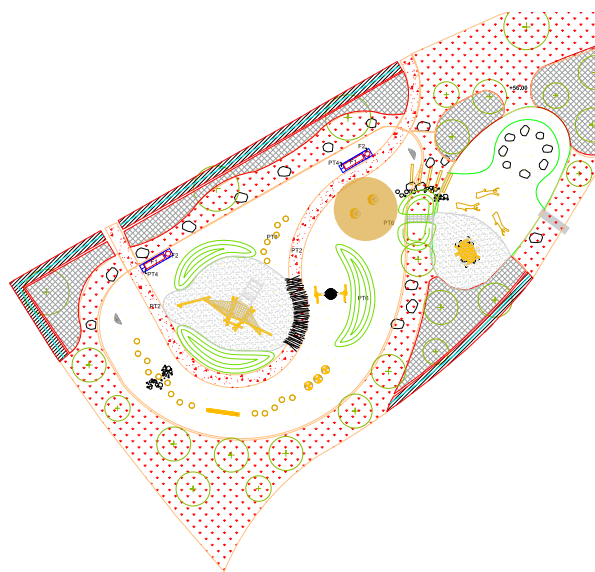
6.51010



Berewood Play Space

Wobble Dish

- Rocking
- Wobbling
- Rotating



Safety check according to EN 1176

Components

- 1 Wobble Dish
- 1 pre-fabricated concrete foundation

Installation information

Surfacing requirements
corresponding to a fall height of < 0.60 m
Recommendation: no sand or gravel
(please refer to price list for more
detailed information)

Foundations
excavation for pre-fabricated foundation
Ø 1.05 x 0.07 m
For installation in loose material, e.g.
wood chips, an additional anchorage in
in-situ concrete is necessary (on site).

Attention!
**Exact measurements may vary, for
all installation dimensions refer to
current installation instructions.**
Subject to technical changes!

Technical information

core-free

base made of mountain larch, selected
according to eight quality criteria, core-
free, thus decreasing the occurrence of
cracking



tongue and groove

base made of 40 mm tongue and
groove boarding



ball bearing

wobbling mechanism: rotating
universal joint with ball bearing; low-
maintenance, easily replaceable ball
bearing made of stainless steel



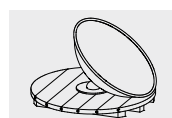
dish and cover of bearing of 2 mm thick
stainless steel with grip rim

the rotating joint is sealed with a
rubber ring for finger protection

Dimensions

(small deviations possible)

height	0.75 m
diameter	1.10 m
weight approx.	190 kg

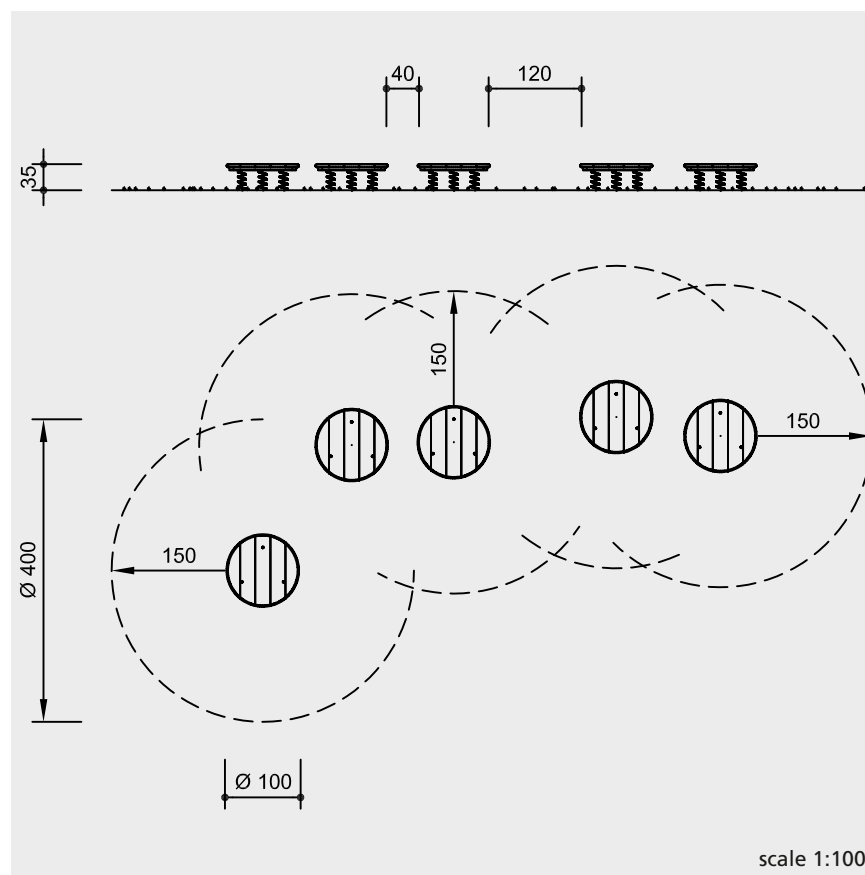


6.27300

Berewood Play Space

Jumping Discs

- Jumping
- Movement
- Risk & Challenge



Safety check according to EN 1176

Components

- 1 disc complete with 3 springs
- 1 pre-fabricated concrete foundation

Installation information

Surfacing requirements corresponding to a fall height of < 0.60 m (please refer to price list for more detailed information)

Foundations
For installation in loose material, an additional anchorage in concrete is necessary on-site.

Attention:
Exact measurements may vary, for all installation dimensions refer to current installation instructions.
Technical changes reserved.

Technical information

equipment of mountain larch, selected according to eight quality criteria

core-free timber

sawn-timbers of mountain larch, core-free, measurements refer to wood before planing



top of 45 mm boards, screwed together with expansion joints

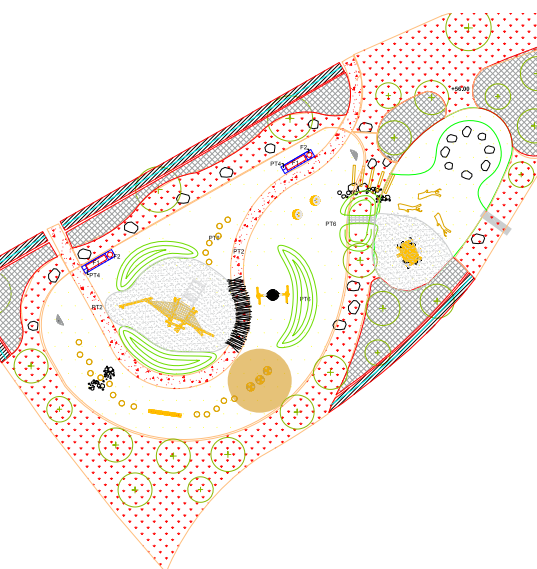
coated springs, standard colour red

fastening elements galvanised

Dimensions

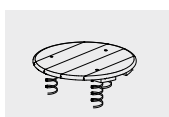
(small deviations possible)

height	0.35 m
diameter	1.00 m
weight approx.	140 kg



Jumping Discs

Round spring platforms are mounted on strong, low springs. Children can jump on and off the disc in any direction, just like a spring board. The springs propel the jumping child with enough momentum from one disc to another. The discs represent a fun combination of movements and a challenge for smaller children.



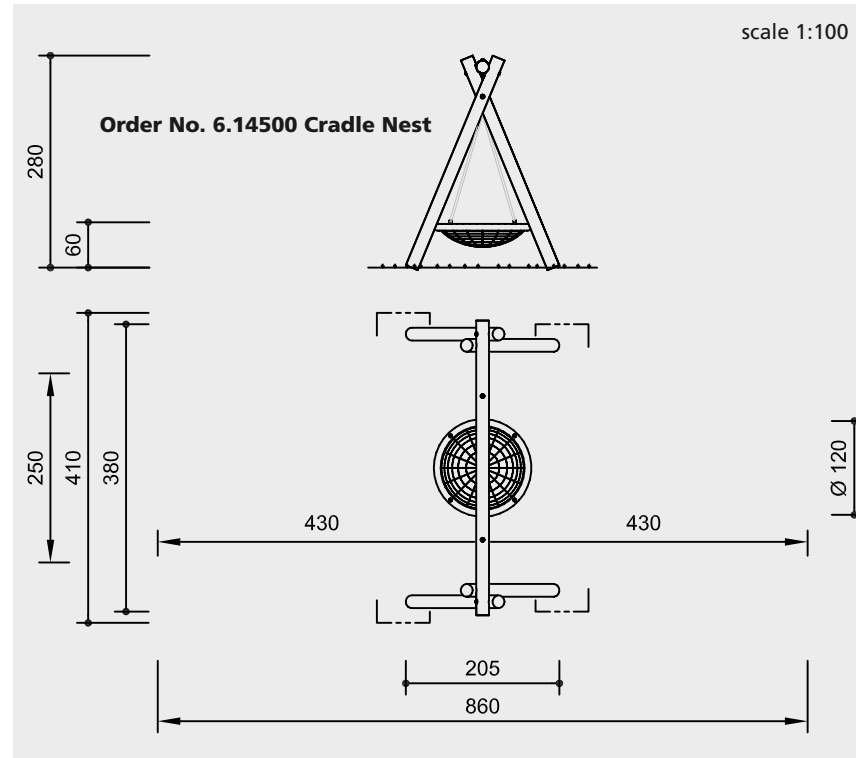
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Berewood Play Space

Nest Swing

- Swinging
- Rocking
- Swaying



Components

Order No. 6.14500 Cradle Nest

- 1 cross beam
- 2 support frames
- 1 cradle nest suspended on hose-sleeved chains

Order No 6.14520 Cradle Nest special

- 1 metal cross beam
- 2 support frames with steel feet
- 1 cradle nest suspended on hose-sleeved chains

Installation information

Surfacing requirements corresponding to a fall height of 1.40 m (please refer to price list for more detailed information)

Foundations
4 items 60 x 70 x 60 cm
excavation depth 80 cm

Attention:

Exact measurements may vary, for all installation dimensions refer to current installation instructions.

Technical changes reserved.

Order No. 6.14500 Cradle Nest also available with steel feet.

Technical information

Order No. 6.14500 Cradle Nest

de-barked

de-barked posts, Ø 15 - 18 cm, of spruce/fir, boiler pressure impregnated according to DIN 68800, hazards class 4



perforated

the earth/air zone of the wood is perforated by small bore holes to ensure that the impregnating agent penetrates this particularly endangered zone



universal joint

drop-forged and hot-dip galvanised joint yoke; the universal joint insert consists of two swing bearing



concealed head

large surface for pressure distribution, prevents water from getting inside, protects the bolt head



adjustable

no projecting threads after re-tightening due to two-piece bolt connection and therefore easy to maintain



strong fastening

bolt connections with milled metal rings for connections which are stressed cross-wise



brass bush

for all to and fro movements we use bush bearings which allow for self-lubrication while in use and which can be easily exchanged in case of need



cradle nest, Ø 120 cm, with coloured rope ring (blue or green), basket of recycling rubber-chain-steel cable mat

suspended on 8 mm hose-sleeved chains, hot-dip galvanised

fittings hot-dip galvanised, reinforced

Nest Swing

Swinging and rocking are typical movements that occur during early childhood. Lying in the cradle swing is great when a friend sets the swing in motion from the outside. There is the potential for high energy social play, or quiet relaxation play. It is especially fun if there are several 'chicks' in the nest together.



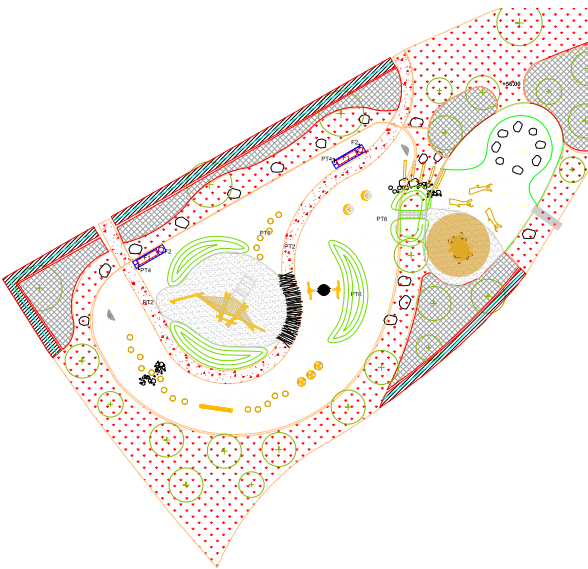
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Berewood Play Space

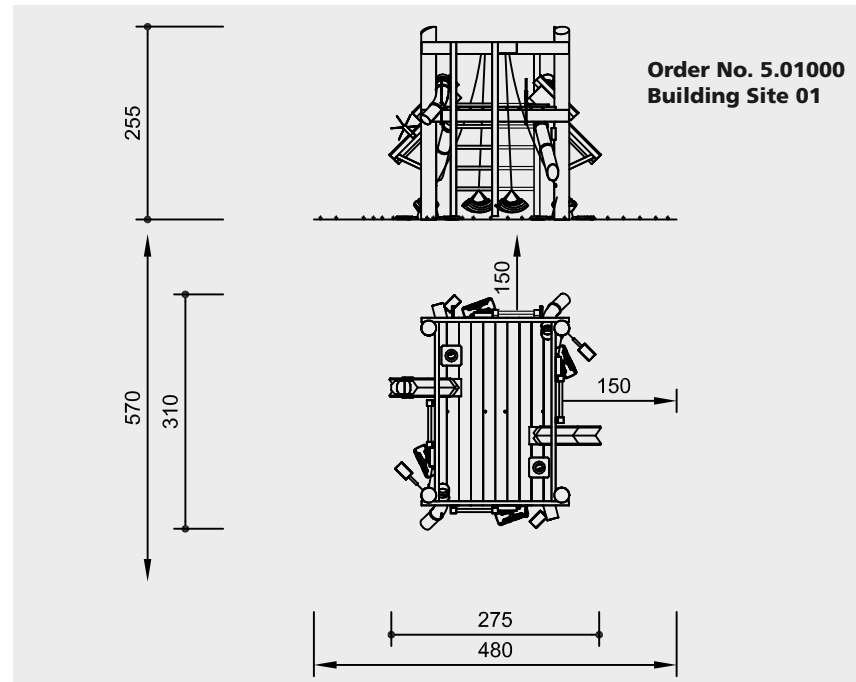
Building Site

- Sensory Play
- Role Play
- Social Interaction



Building Site

Many children are very satisfied with doing proper work. The Building Sites give them the opportunity to realistically mimic the working world of adults. Heavy loads can be moved over a roller, sand and water can be poured into pipes or gutters, a sand wheel can be turned, the dumper box takes a load of sand and the bucket is filled. Co-operation results from carrying out the mutual purpose.



Components

Order No. 5.01000 Building Site 01
 1 Platform height 1.50 m, 4 Ladders
 4 Sand Hoists with 4 Shovels
 4 Sand Chutes
 2 Sand Trays, 2 level, 1 Sand Wheel

Materials - Basic Construction

de-barked
 de-barked posts, Ø 18 - 21 cm, of spruce/fir, boiler pressure impregnated according to DIN 68800, hazards class 4



angle cut
 vertical support posts with angle cut in the end grain section as constructive wood preservation



perforated
 the earth/air zone of the wood is perforated by small bore holes to ensure that the impregnating agent penetrates this particularly endangered zone



core-free
 sawn-timbers of mountain larch, selected according to eight quality criteria, core-free, by that formation of cracks can be reduced



tongue and groove
 platform boards of 40 mm tongue and groove boarding



hardwood rungs
 climbing rungs of hardwood, milled and mortised, Ø 42 mm



milled-off tyres
 sand containers made of milled-off tyre segments to make the elements clean, smooth, soft and light

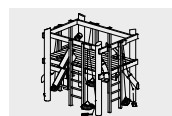


chains
 suspended on short-link chains, 5 mm, welded before hot-dip galvanisation (stainless steel chains available on request)



chutes of plastic, wall thickness approx. 7 mm

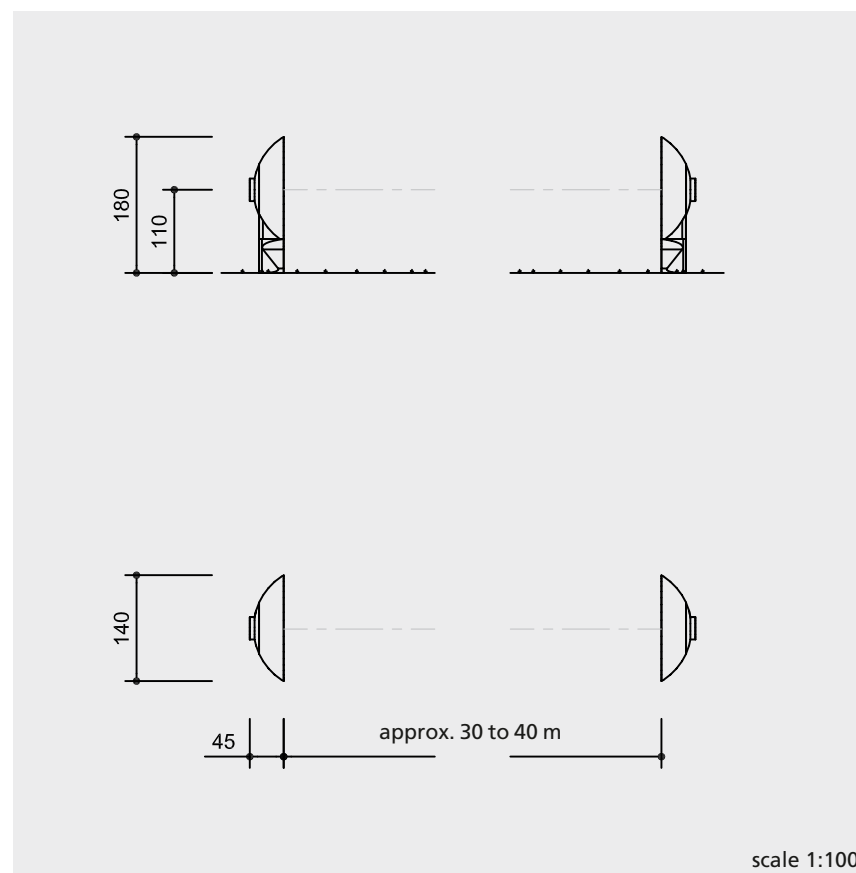
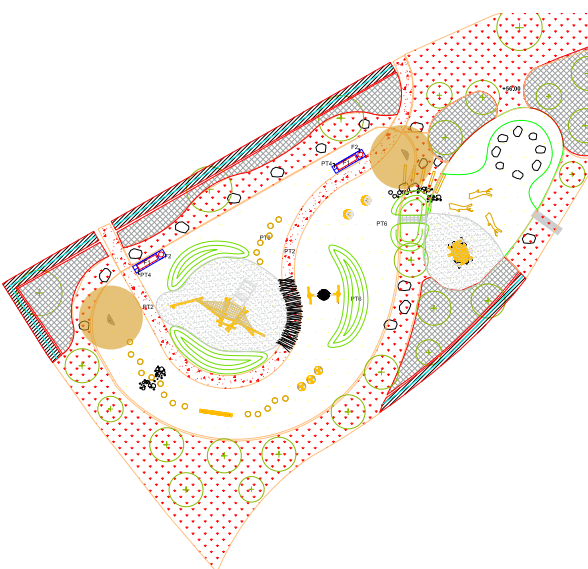
sand wheel hot-dip galvanised



Berewood Play Space

Parabolic Reflectors

- Sound Play
- Social Interaction



safety check according to EN 1176

Components

- ! concrete Parabolic Reflectors with stand feet
- ! pylon frames
- ! foundation irons

Installation information

Surfacing requirements
no requirements

Foundations
each item 50 x 50 x 80 cm
excavation 80 cm
optical measurement with levelling
instrument recommended

Attention!
Exact measurements may vary, for
all installation dimensions refer to
current installation instructions.
Subject to technical changes!

Technical information

each reflector is cast as 1 part of vibra-
ted concrete C 30/37, steel-reinforced

foundation anchors galvanised

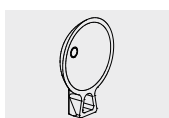
Dimensions

(small deviations possible)

height	1.80 m
diameter	1.40 m
weight	
per reflector approx.	300 kg

Parabolic Reflectors

Sound, like light and heat, can be made to focus. What is spoken at normal volume into the focal point of the reflector can be picked up in a second reflector placed opposite about 30 to 40 meters away, as well as at all points between the two reflectors. Sound waves, like lights and heat waves, can be concentrated onto one particular spot. The Parabolic Reflectors provide experience of this physical phenomenon.



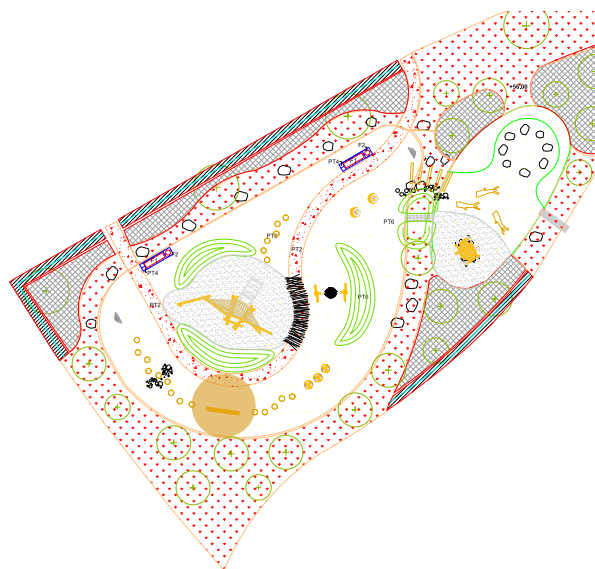
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Berewood Play Space

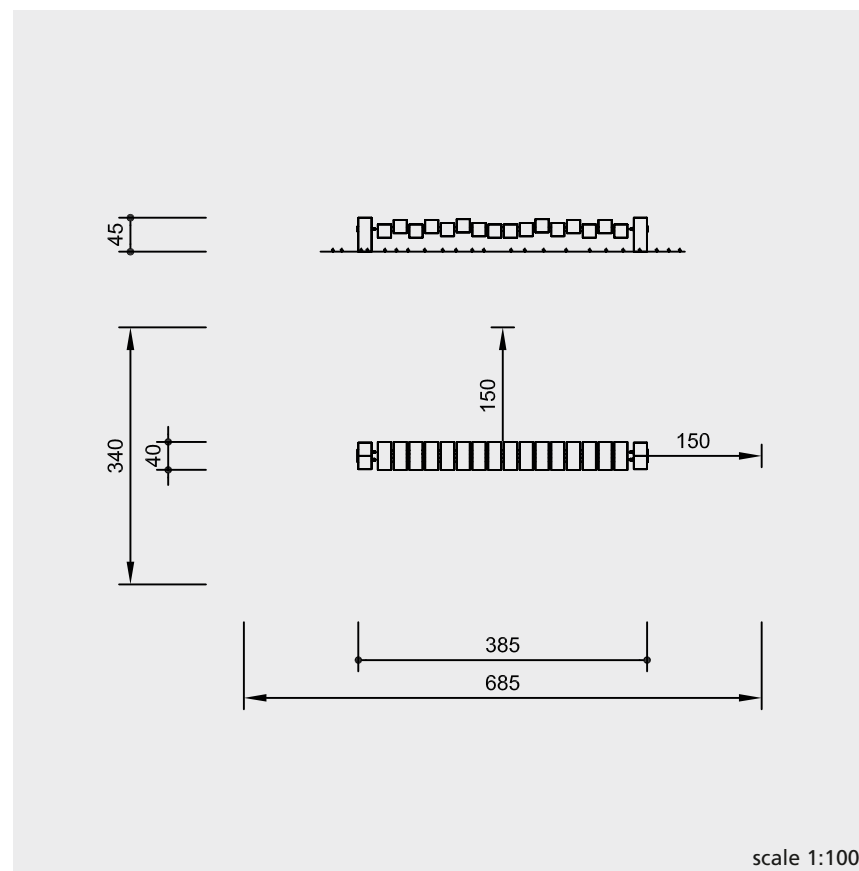
Balance Blocks

- Balancing
- Co-ordination
- Competitive Play



Balance Blocks

Solid timber blocks with unevenly positioned drill-holes are strung on two parallel highly tensioned wires running side by side. Because of the difference in height of their centres of gravity, some of the wooden blocks are sturdy whilst others are loose and wobbly. The result is a stimulating balance trail which aids the development of skill and body awareness. The balance blocks can be used as an attractive play accompaniment to paths or can be easily integrated into an activity trail.



safety check according to EN 1176

Components

- ! support frames
- ! walkway
- ! square timbers for reinforcement

Installation information

Surfacing requirements corresponding to a fall height of < 0.60 m

Foundations
2 items 50 x 70 x 55 cm
excavation depth 75 cm

Attention:
Exact measurements may vary, for all installation dimensions refer to current installation instructions.
Technical changes reserved.
Support frames also available in steel.

Technical information

core-free timbers

sawn-timbers of mountain larch, core-free, selected according to eight quality criteria, square timbers 18/18 cm



aluminium swages

double-conical aluminium swages with rounded-off ends



rope connection with joint

close fitting connection without dangerous openings; the bearing consists of one brass bush



adjustable

no projecting threads after re-tightening due to two-piece bolt connection and therefore easy to maintain



brass bush

for all to and fro movements we use bush bearings which allow for self-lubrication while in use and which can be easily exchanged in case of need

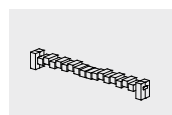


carrying rope Ø 18 mm of Hercules construction with steel core, suspended from drop-forged joints

Dimensions

(small deviations possible)

total length	3.85 m
height	0.45 m
depth	0.40 m
weight approx.	250 kg



Berewood Play Space

Natural Play Elements

- Sensory Play
- Reconnection with Nature



Fallen Trunks, Stepping Logs & Boulders: Logs and boulders can play a pivotal role in creating naturalistic landscapes that enhance play. Hop, skip and jump from one boulder to the next! These attractive, natural play features are great running along, jumping between, hiding behind and enhancing imaginative play too, as well as providing informal seating for all.



Playful Landform: Mounds can sit within a landscape to create character and atmosphere. Children will climb, hide and play around mounds whilst sat on the grass. They can also act as physical barriers around certain areas of play, as well as indicating that 'something changes here'. They are very effective in transitional spaces between different areas of play.



Dry River Bed: This provides a fantastic natural feature to a play area, with small pebbles, large rocks and planting. This creates a haven for wildlife, which are fun to find - encouraging activities such as bug hunts, also providing an educational tool. Combined with timber sleepers as bridges, dry river beds are catalysts for the imagination of children that use the play area, using them as part of adventures or in searching for monsters. They are very aesthetically pleasing, with organic lines and edging, and a definitive element of natural play.

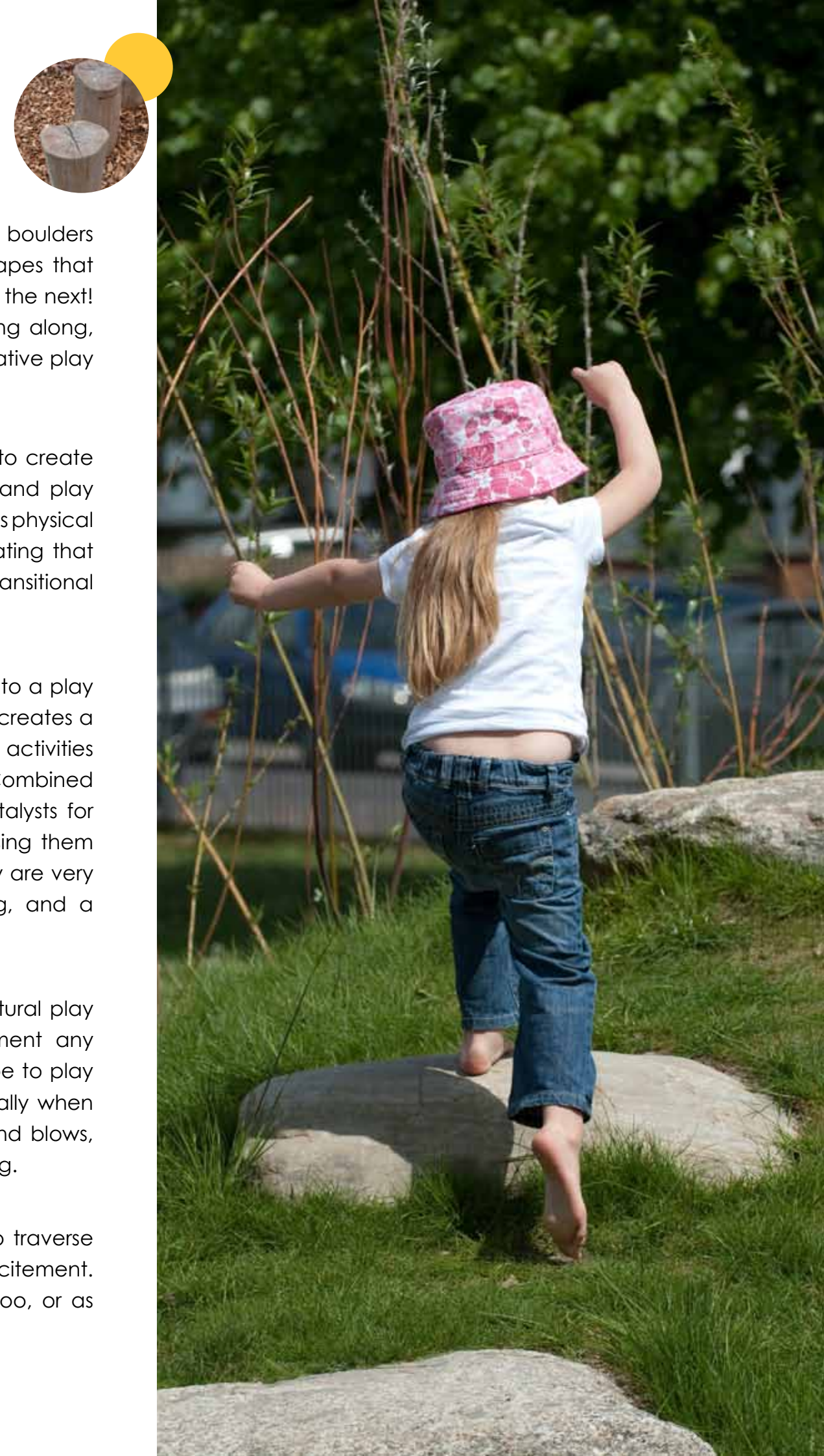


Willow Archway: Willow Structures provide a great natural play resource. They can be shaped to suit and compliment any landscape. They bring brilliant colour, texture and shape to play areas making them very attractive to children, especially when they form tunnels or enclosed structures. When the wind blows, they create a gentle rustling sound which is very soothing.



Tunnels through Mounds: The tunnel is a great way to traverse a mound, giving a sense of adventure, mystery and excitement. They can be used as an element of imaginary play too, or as entrances to 'secret' areas.

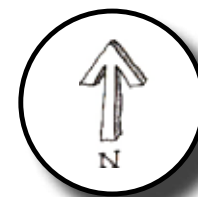
Fallen Trunks, Grassy Mounds, Boulders, Logs, Dry River Bed, Willow Archway + many more...





Berewood Skate Park

Layout Plan



Scale 1:500 @ A3



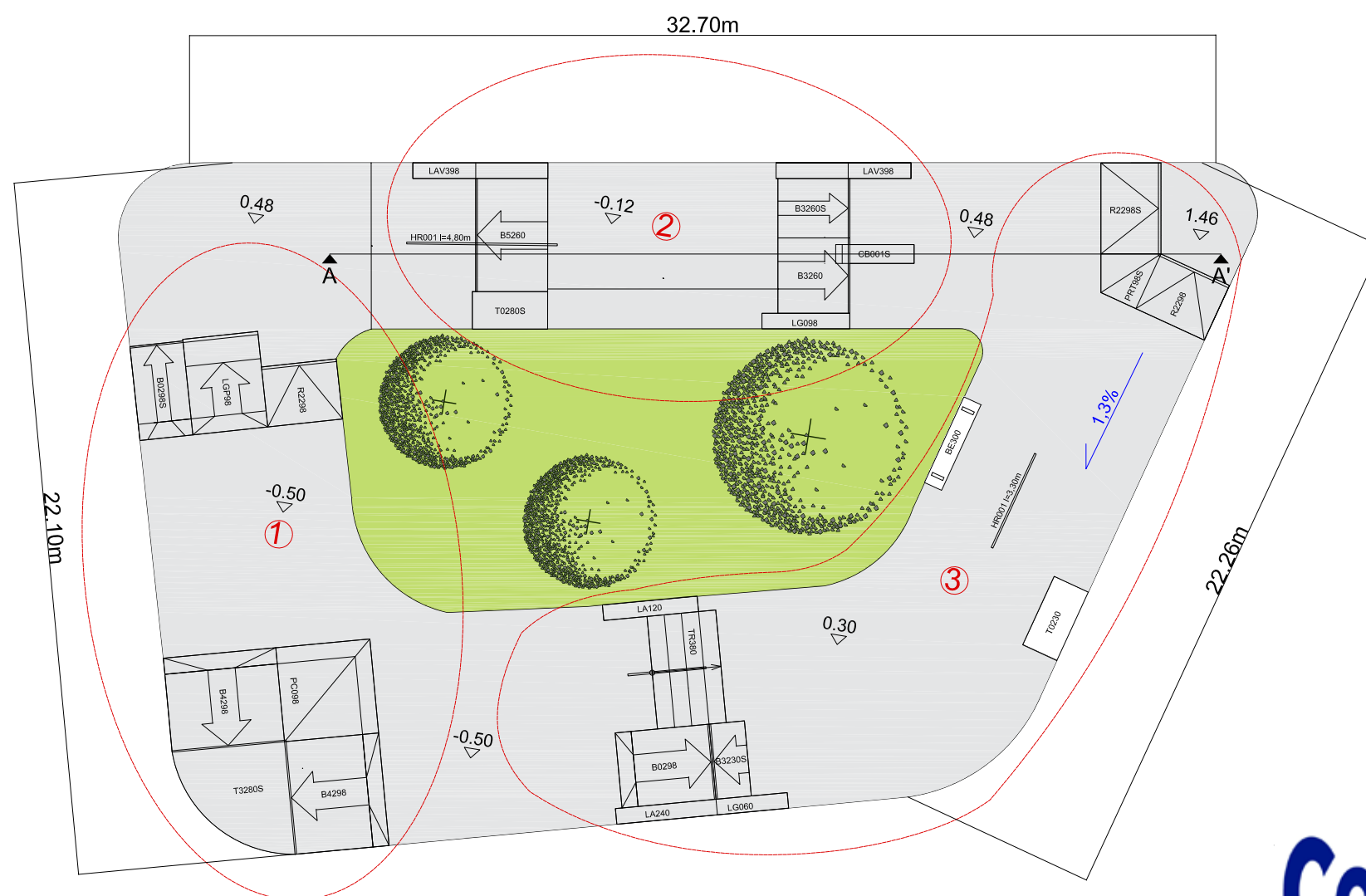
CONCRETE
SKATE PARKS | RUDOLPH



Berewood Skate Park

Detailed Layout Plan + Section

Ground Plan Scale 1:200



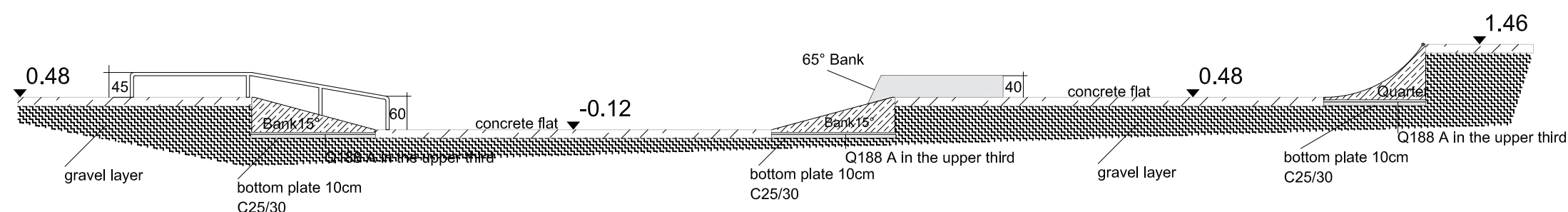
CONCRETE
SKATE PARKS | RUDOLPH

Legend

- ① B4298 Bank 20°, b=3,60m
T3298S Table, rounded
PC098 Pyramid Hip, 20°
B4298 Bank 20°, b=3,60m
B0298S Bank 20°, b=1,70m
LGP98 London Gap, b=2,40m
R2298 Ramp, r=2,20m
- ② LAV398 Ledge with extension
B5260 Bank 15°, b=3,60m, KS. 3 stg.
T0280S Table, h=85cm, KS. 3 stg.
HR001 Round Rail, l=4,80m
LAV398 Ledge with extension, KS. 3 stg.
B3260S Bank 15°, b=1,90m
B3260 Bank 15°, b=2,40m
CB001S Curb Box with Bank 65°, h=40cm, l=2,50m KS. uml.
LG098S Straight Ledge h=90cm, KS. 3 stg.
- ③ R4298S Ramp, r=2,20m, b=2,90m
PRT98S Transitionhip, 65°
R2298 Ramp, r=2,20m, b=2,40m
BE300 Bench, h=40cm
HR001 Flatrail, l=3,30m, h=35cm
T0230S Table, h=20cm, KS 3 stg.
LA120 Ledge, l=3,10m
TR380 Treppen, h=80cm, b=3,60m
SR001 Rail, l=2,50m
B0298 Bank 20°, b=2,40m
B3230S Bank 10°, h=20cm, b=2,40m
LG060 Straight Ledge, l=2,00m
LA240 Ledge, l=2,80m

Skatepark Total approx. 658sqm
Concrete Flat Total approx. 380sqm
Foundations Total approx. 120sqm
Greenspace inside approx. 158sqm

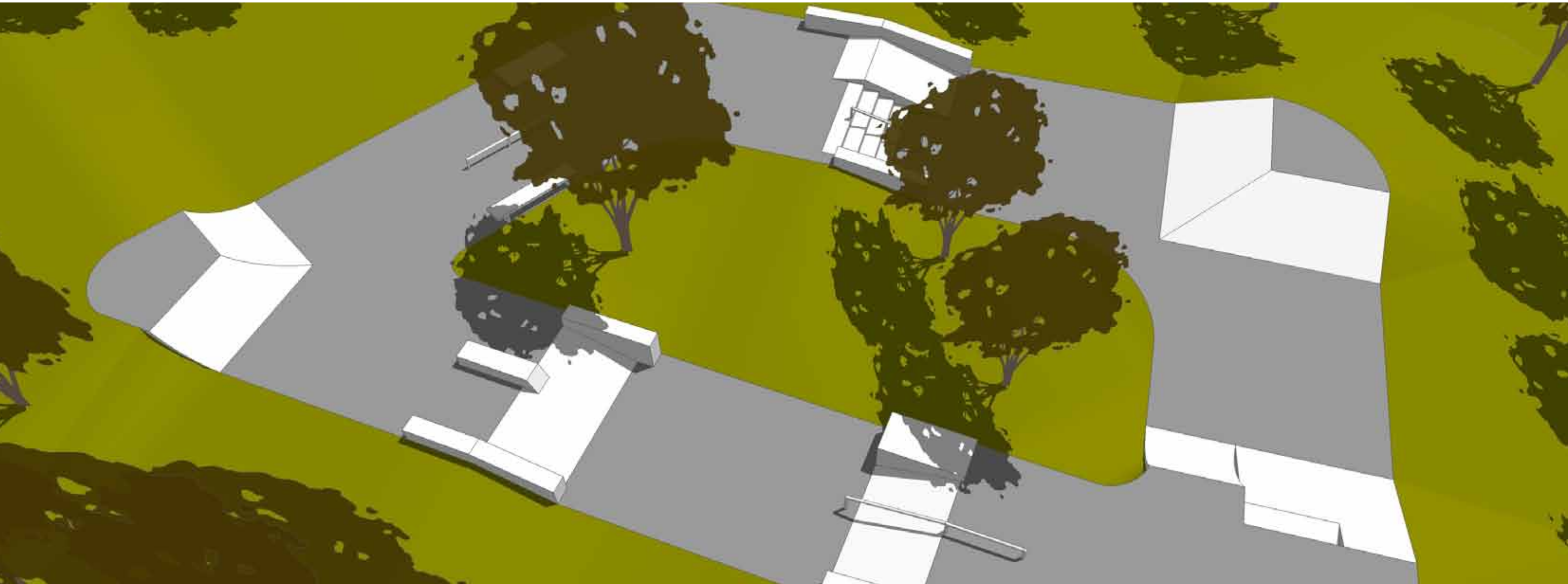
Section A-A' Scale 1:100





Berewood Skate Park

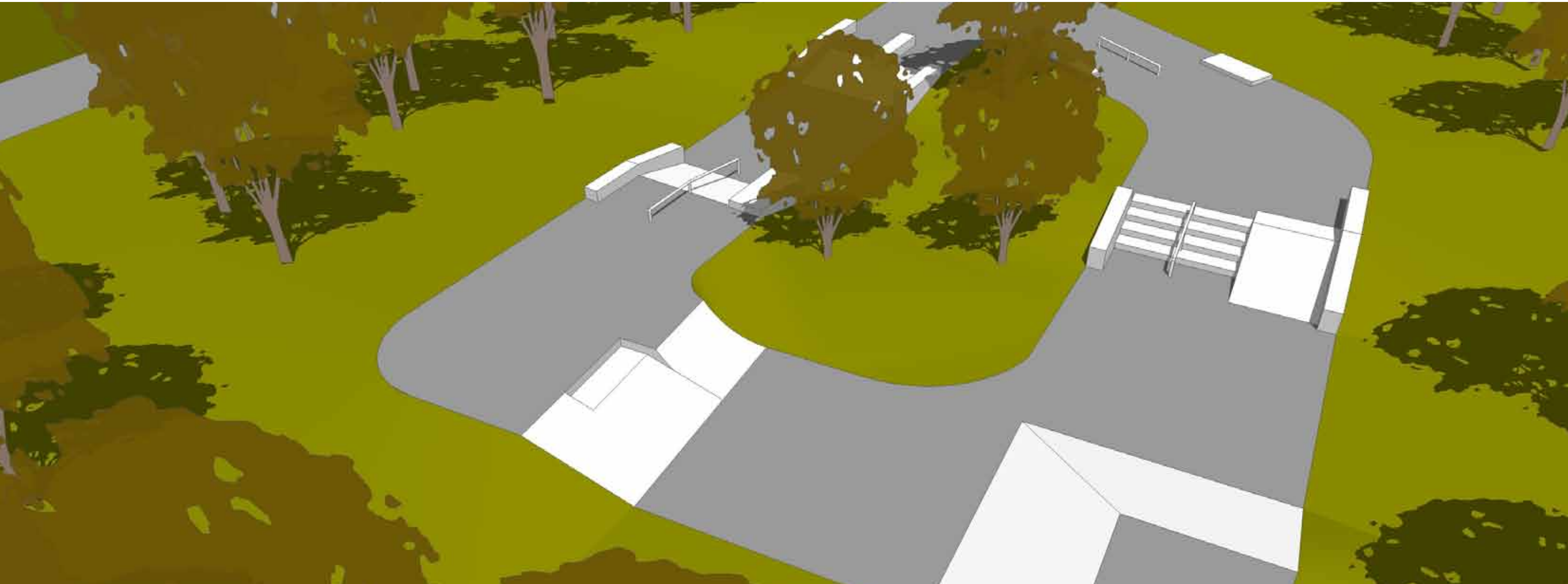
Perspective View 1





Berewood Skate Park

Perspective View 2





Berewood Skate Park

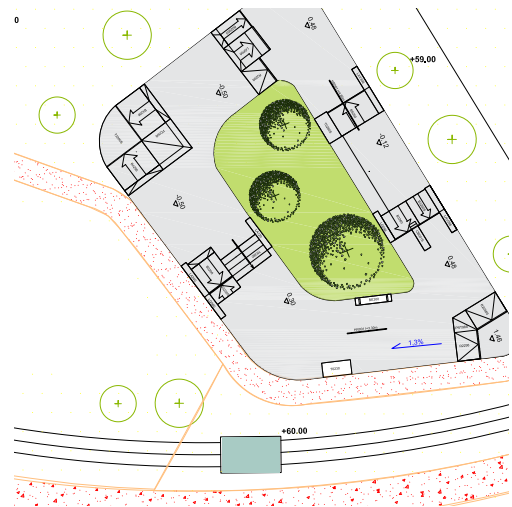
Perspective View 3





Berewood Youth Shelter

Youth Shelter Design Ideas



Location Plan



THE FORDHAM



THE HOOP

