

## Ability Outdoors – Further detail – High & Low ropes courses

### High Ropes

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#### Jacobs Ladder -

A high ropes team activity. 8 x ft long wooden poles are positioned horizontally between 2 x large anchor trees. The poles are positioned using steel cable that is anchored to the trees using wooden blocks to protect the tree.

Below the poles 2 x removable rope ladders are used to gain access to the Jacobs ladder. These are removed when the activity is not in use, ensuring only fully supervised Ability Outdoors customers can access the Jacobs ladder.

A separate cable is attached above the top horizontal pole providing the anchor for the 2 x climbing ropes that are used to ensure the climbers safety.

The height of the top anchor cable will be around 18m, allowing the top pole to be at 15m.

*There are no platforms within the Jacobs ladder.*

Fig 1 shows the method of cable attachment to the anchor trees.

This is a temporary attached that can be removed at any time. The cables sit into the wooden blocks to prevent any abrasion to the trunk of the tree.

Fig 2 & 3 show our current Jacobs ladder, the new Jacobs ladder will be the same construction.

**Fig - 1**



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Fig - 2



Fig- 3



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**Tree climb –**

A high ropes climbing activity using specifically designed climbing holds (removable) attached to the tree to provide the hand and footholds. A steel core anchor cable is positioned at the highest point of the tree climb to provide the safety rope anchor point. Tree protection blocks are used to protect the tree at this point.

A ladder to a height of 2.5m is needed to gain access to the first climbing holds, this ladder is removed from the Tree climb when not in use, so the activity cannot be accessed by anyone accept fully supervised customers of Ability Outdoors.

Fig 5 shows our current Tree climb – Height 18m. The new tree climb will be of a similar height .

Our current Tree climb has wooden blocks as hand and foot holds, these will be replaced with a climbing holds that are designed for attaching to trees.

*There are no platforms within the Tree climb*

**Fig 5 –**



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**Low ropes course –**

Course elements are no higher than 60cm from the floor and all elements are of a rope, chain or log construction.

*There are no platforms within the Low ropes course.*

All elements of the course are attached to the trees using a specifically designed tree bracket, which is removable and causes no damage to the supporting trees.

Please see Fig 6

We propose to relocate our current low ropes course. It is currently devised of 28 elements, all linked together to form a continuous course.

The actual size of each element cannot be stated as it will depend on which trees within the proposed low ropes area that we attach each element too. This cannot be fully assessed until ground clearance of dead trees etc can be done. Our current course has a total length of approx 140m. The length of the reconstructed course will be similar, the construction methods and different elements will be the same.

**Fig 6 –**



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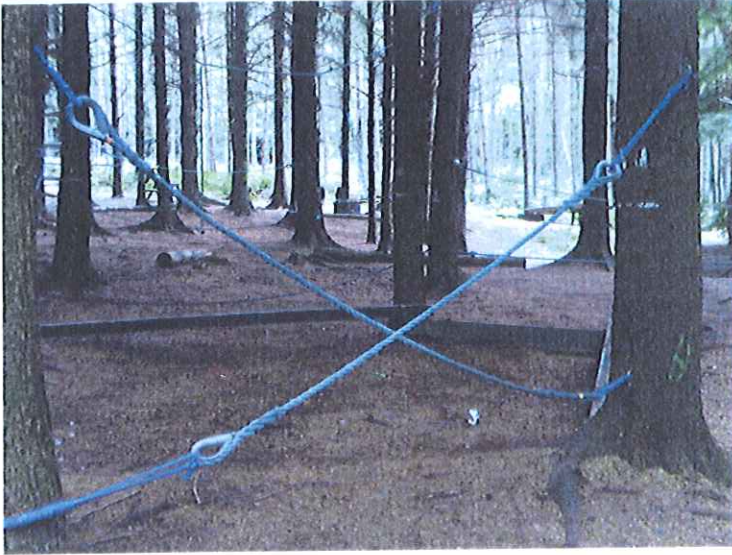
Examples of low ropes course elements –



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Examples of low ropes course elements cont -



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# Ability Outdoors – Further detail – Shipping Container.

Please see proposed position of container marked on the enclosed Location Map.

The proposed shipping container has External dimensions of –

- 6.4m Length
- 2.4m Width
- 2.6m Height

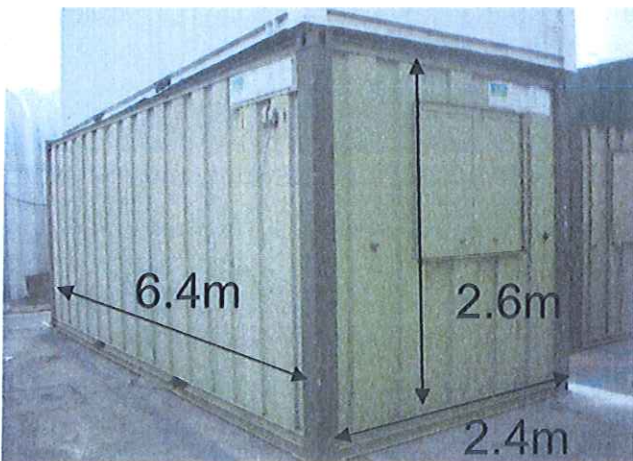


Both front and rear elevations have identical window openings.

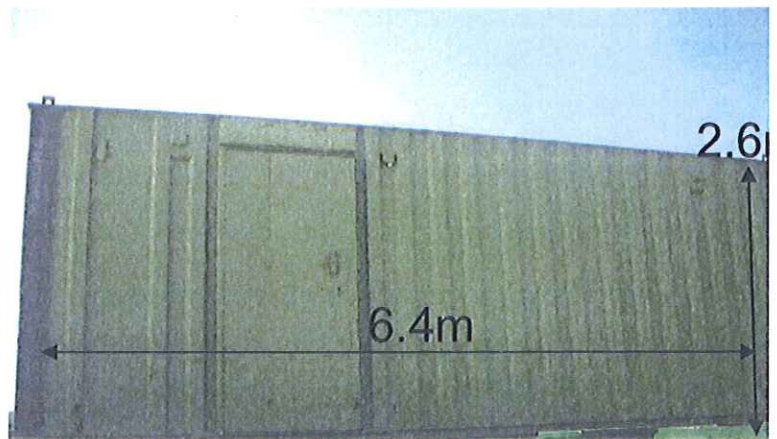
The door is facing NW.

The container will be clad in wood and have a pitched roof so it will be more in fitting with the woodland location.

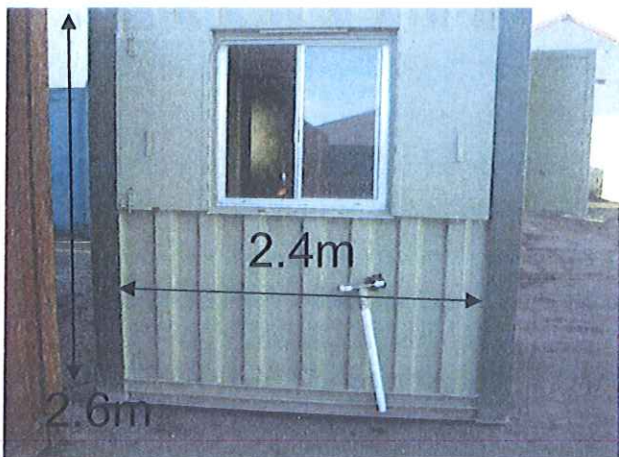
Please see annotated photographs below –



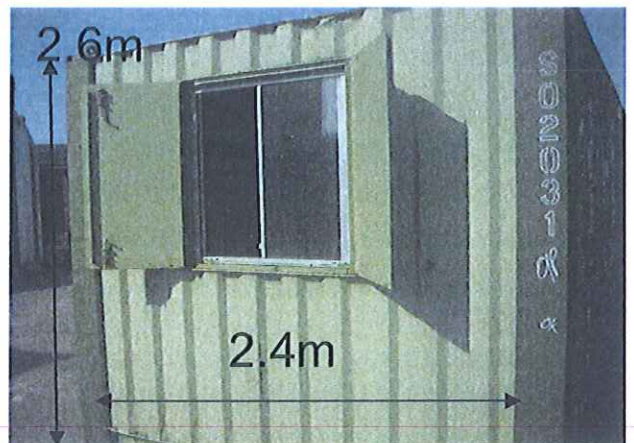
Side Elevation – Facing SE



Side Elevation – Facing NW



Front Elevation – Facing NE



Rear Elevation – Facing SW