

PIONEERING KIT INSTRUCTIONS – BEACON TOWER

1. Assemble the tower frame

- Use square lashings for all frame attachments
- Bottom – Attach the 8½" dowels to the outside of 15½" dowels (legs), 2" from the bottom of the legs
- Middle – Attach the 6" dowels 13" from the bottom of the legs with the bottom crossbars inside the legs and the upper crossbars outside the legs. This is the platform base.
- Top – Attach the 5¼" dowels to the outside of the legs, 1" from the top

2. Attach the X-brace

- Use diagonal lashings for all attachments
- Attach one 13" dowel 1½" below the middle crossbar and ½" above the diagonally opposite bottom crossbar
- Repeat with the other 13" dowel
- Secure the X-brace with a diagonal lashing where they cross in the middle

3. Assemble the rope ladder

- Complete one side at a time
- Using a harlin hitch, attach rope to the center of the bottom crossbar opposite the X-brace
- Use a lever hitch to string each ladder rung (2" dowels) to the free end of the rope, leaving a 1" space between each rung
- Attach the rope to the middle and top crossbars using harlin hitches
- Repeat on the open end of the ladder

4. Build the tower platform

- Using a clove hitch, attach the rope to the inner (bottom) dowel of the platform base in the corner where it is attached to the tower leg
- Using the remaining (9) 6" dowels, attach each to the base using continuous lashing, laying each across the inner crossbars
- Secure at the end with a clove hitch
- Repeat on the opposite side

