

40 FT YURT PLATFORM

This guide is intended as a reference for constructing a basic platform for your Nomad Shelter yurt. If you have any questions or concerns, please feel free to contact Support. This design is intended as a freestanding platform for the yurt only, and can be blocked up above ground as shown for a quick setup, or supported by your choice of foundation piles.

If you plan on adding stairs or a deck, we recommend building freestanding structures that fit up against the platform and below floor level. Keep in mind that the outer yurt cover will extend several inches down the side of the rim from floor level.

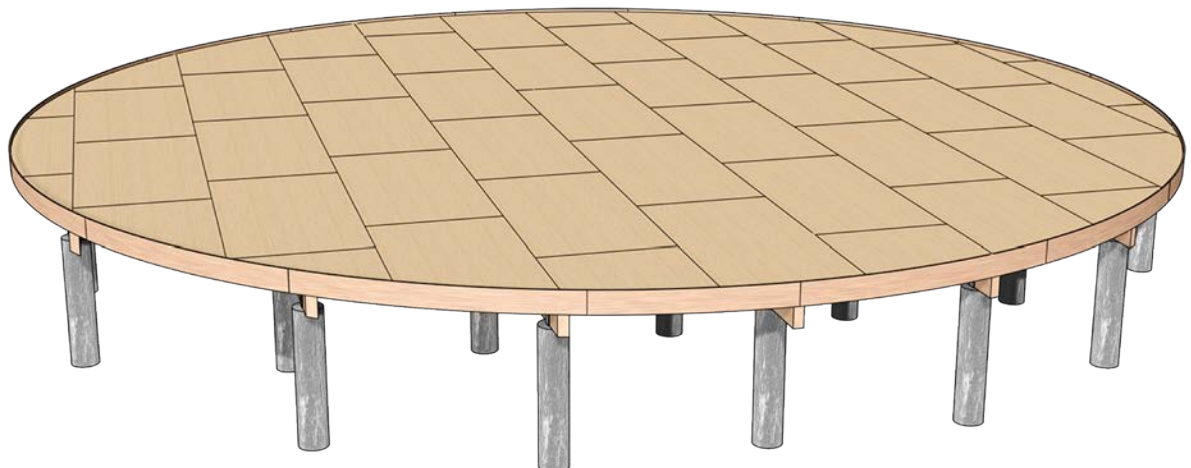
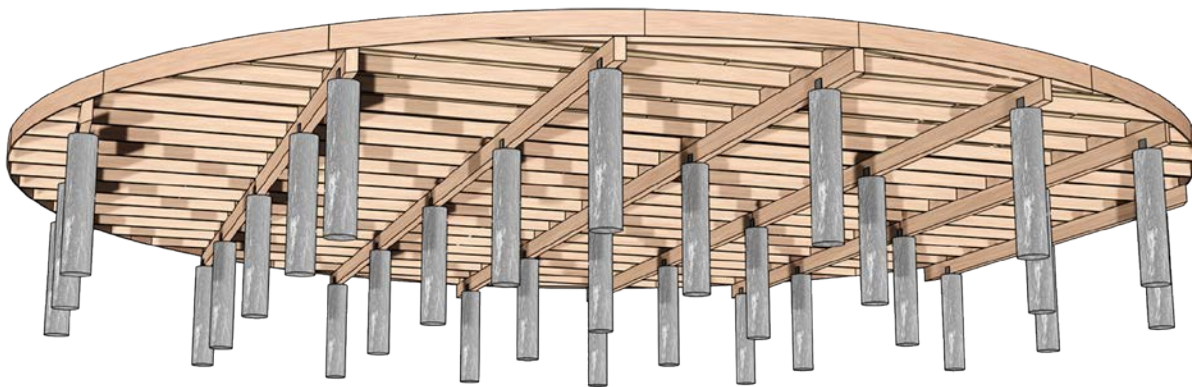
You can either sand and finish the plywood, or add interior flooring on top. You may need to cut wider rim strips to ensure they still extend the proper height above and below floor level. We also recommend insulating underneath the floor with spray foam, foam board, or your choice of insulative material.

MATERIALS:

- (43) - 1½" Tongue and Groove Plywood (4x8' sheets)
- (3) - ½" CDX Plywood (4x8' sheets)
- (22) - 2x6" Beams (20' length)
- (10) - 2x6" Beams (18' length)
- (4) - 2x6" Beams (16' length)
- (4) - 2x6" Beams (14' length)
- (5) - 2x6" Beams (10' length)
- (6) - 4x8" Beams (20' length)
- (6) - 4x8" Beams (18' length)
- (31) - Foundation supports of your choice
- #3 2½" Deck Screws

REQUIRED TOOLS:

- Saw for cutting boards to length, angled cuts around the circumference, and curved plywood cuts
- Drill with your choice of bit for deck screws
- Pencil and string for drawing circumference
- Tape measure
- Mallet or block for tapping tongue and groove plywood together



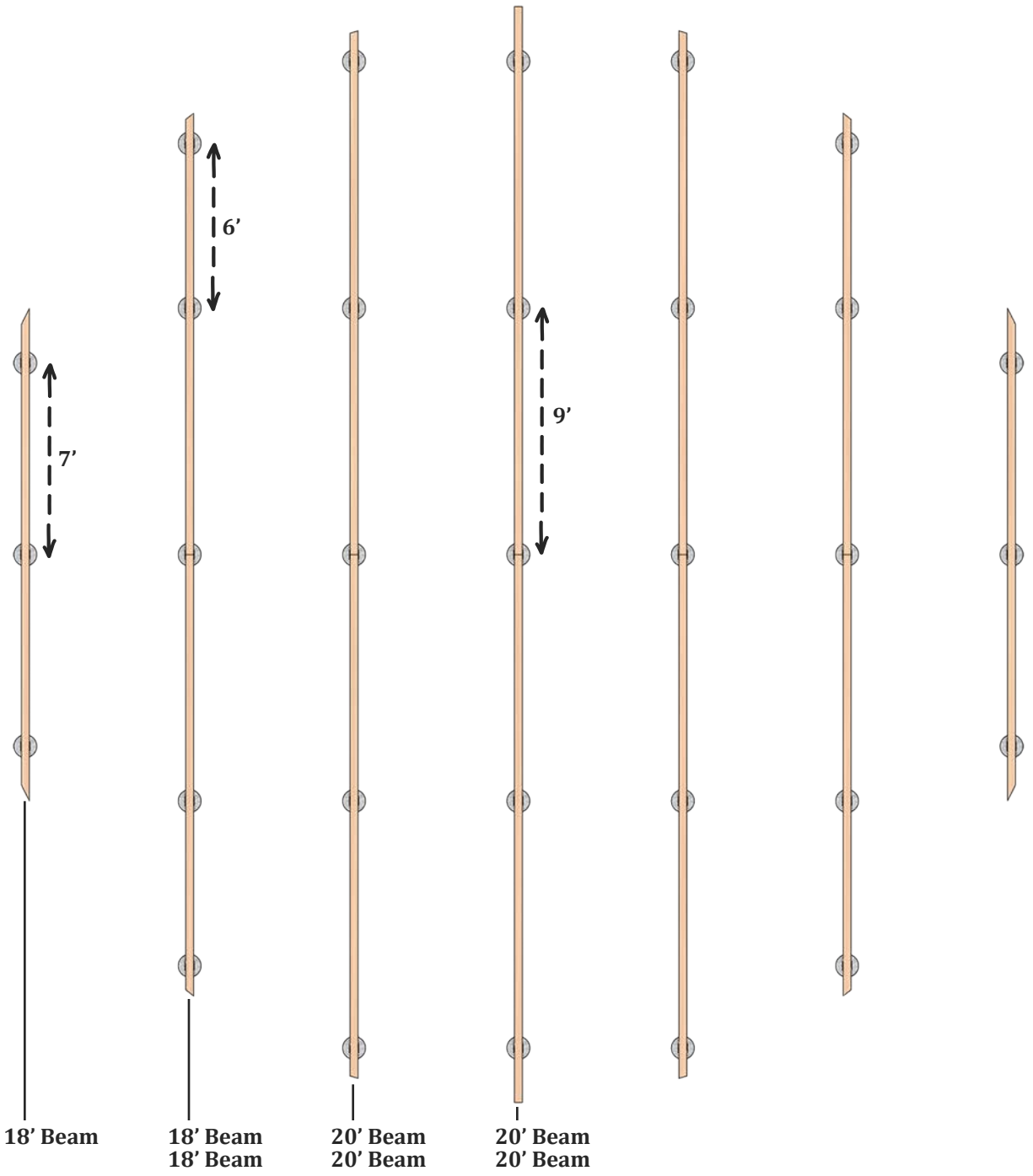
STEPS

- 1.** Set your foundation pilings or supports level and square based on the spacing shown on the next page.
- 2.** Lay the 4x8" girder beams as shown on the next page, double check the level and placement, and attach them to the supports.
- 3.** Lay the main joists over the girders 24" apart on center according to the board lengths shown on page 4. Attach them with angled wood screws.
- 4.** Cut the four angle joists and screw them down to the girders and to the main joists where they meet at the end. Some of the wood for the blocking joists will come from main joist off cuts, so this will be a good time to mark the yurt perimeter. Tack a screw to the very center of the frame and use a 20' string and pencil or other method to mark the circumference of the yurt along the top sides of all the joists. Make the cuts and use whatever off cuts you can as well as the rest of the boards for the the blocking joists along every other girder. If you have any concerns about the accuracy of the perimeter cut, you can set as many blocking joists as you have wood for, then lay the plywood and cut the perimeter all together. This will require you to get under the yurt to finish the last four blocking joists with off cuts.
- 5.** With the framing complete, you can begin laying your plywood. Start from the center and lay the full size sheets first, screwing them down at a few points as you go so they don't shift as you tap the tongue and groove connections together. Corresponding letters indicate these pieces can be cut from one sheet, tracing your perimeter as you go and using the off cuts for the other side. Make sure to match the proper sheets on opposite sides so your tongue and groove doesn't flip. With the plywood down, you can finish fixing the sheets with a screw at each corner and every 12-16" along the edges.
- 6.** The final step is attaching the rim. Cut 8" wide strips from the ½" CDX plywood lengthwise. Starting towards the back of the yurt, place an edge of the first strip centered on the end of a joist and rising 1½" above floor level to create a lip. Attach the end with a couple screws to the joist and one into the side of the plywood. Carefully bend the strip around the edge, screwing it to each joist and plywood edge as you go. If a strip ends between joists, use a small off cut 2x6" block along the back to connect the strips. There will be 16 strips in total.
- 7.** Any final steps will depend on your yurt design, such as cutting gaps in the rim above floor level for door and hard window frames.

NOTE: All board lengths in the diagrams are rounded to the nearest inch for reference. Use a circumference measurement of the circle for all edge cuts to ensure precision. It is generally easier to mark and cut the edge through everything while laying the plywood.

PLEASE REMEMBER: This is a generic platform design and should be approved or modified for site location by an engineer licensed in your state. Diagrams assume a level site. Site and soil conditions as well as local building codes will dictate specific foundation requirements. Nomad Shelter takes no responsibility for your build or any site specific issues that may arise, but we are happy to help with any questions or concerns.

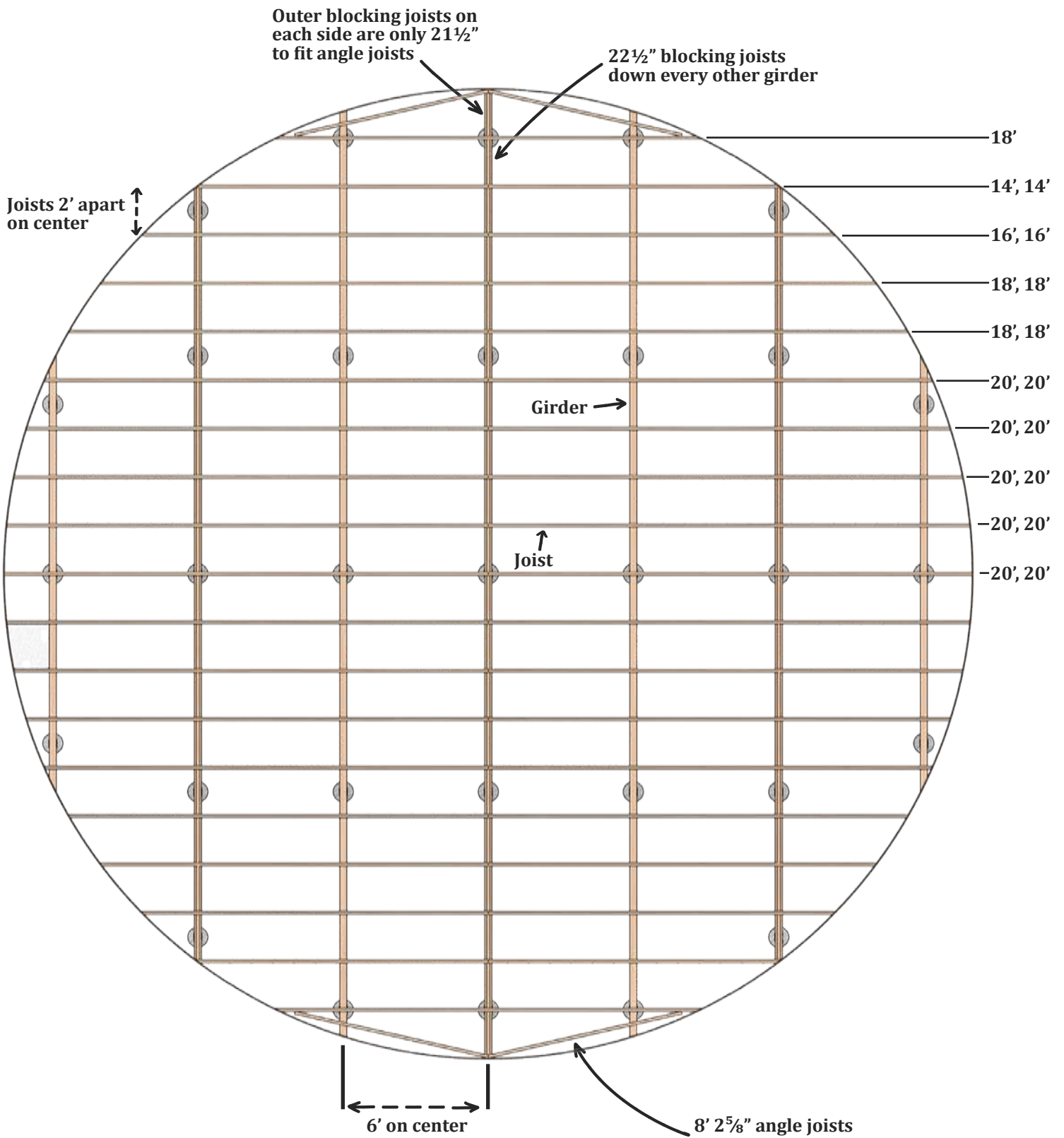




***Diagrams show ideal beam length based on materials list quantities. Start your layout from the middle. Perimeter cuts as shown in the diagram can be made after laying plywood.**

***All supports are placed at foot increments and centered on or directly between joists. If you are unsure about a measurement, reference the joist layout diagram on the next page. Joists are laid 2' apart.**





***Board lengths in the materials list are intended to be the most efficient sizes for minimum excess. Use the closest length for each main joist, and cut the rest for blocking. If some board lengths are unavailable at your location, adapt the design as necessary as long as each joist is secured at two or more locations.**



