


12’, 14’, 16’, 20' & 24’ MODELS

# Yurt Assembly Guide

Version 1.4.1

GETTING STARTED

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Follow along our journey to assembly success!


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INTRODUCTION

# Welcome to Living Intent

We want to thank you for choosing Living Intent Yurts as your dwelling provider. Our business began with one mission – to provide sustainable living – and your support helps us to make that a reality. We are committed to offering better products and services. We welcome your feedback so we can continue to improve our quality.

# What to expect...

Living Intent Yurts are designed for simple installation, break-down, and transport. Full-sized, 14'-24' yurts, can be built by a team of two first-time builders in as little as one to two days. This guide will help to organize what you will need and the steps to follow in assembling your yurt. Your components and processes may differ slightly from those shown in this guide. Pay no mind to these minor details. For further assistance you can reach us by phone or email:

**Contact Information**

Living Intent Yurt Co.
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- Phone: 530-270-9935
- Email: hello@livingintentyurts.com
- Website: livingintentyurts.com
- Instagram: @livingintentyurtco

SAFETY FIRST

# Before you begin.

Safety should be the first priority when assembling your yurt. To avoid accidental injury we recommend reading through the manual first to get acquainted with the tools, supplies, and components involved. If you don't understand the set up process after reading through this instruction manual you can reach us by phone or email for further assistance:

Phone: 530-270-9935
Email: hello@livingintentyurts.com

## BUILDING EXPERIENCE

While we believe two first time builders are capable of assembling our yurts, if you have any reservations or don't feel confident assembling the unit, don't. Some of our customers will simply hire a local contractor to do the assembly for them. If you aren't sure how to proceed, reach out to us for further assistance.

## LADDERS & SCAFFOLDING

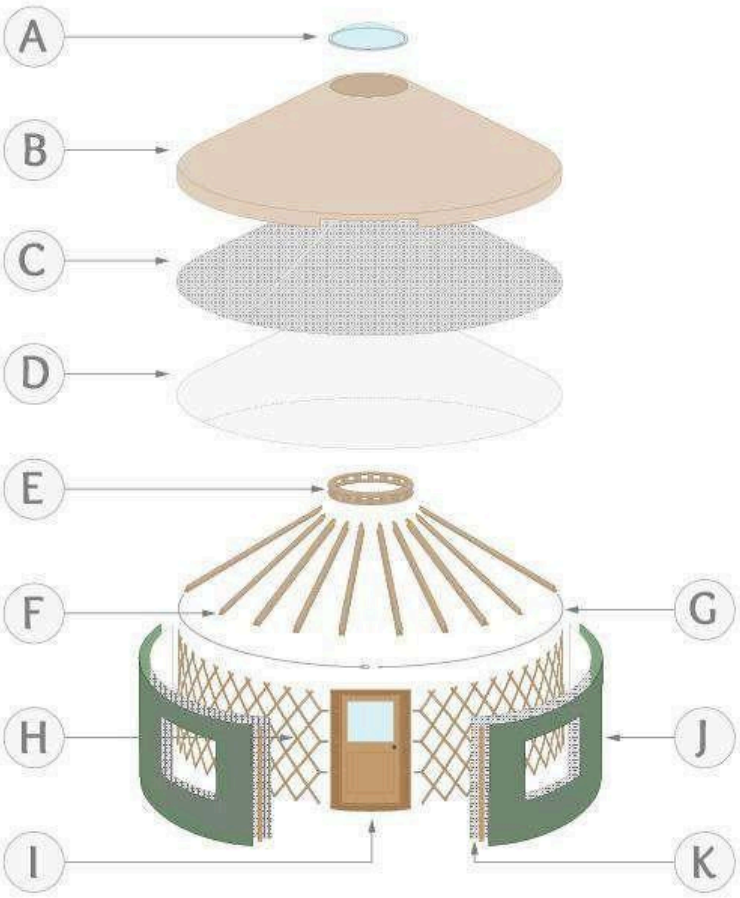
To assemble our yurt models, the use of ladders is necessary (See Tools on page 6). For inexperienced builders, we recommend scaffolding for the assembly of the center ring and rafters to form the roof of the yurt. Assembling the roofing components can be dangerous if not done properly or confidently. Until all rafters are secured in place, the yurt should be considered a hard hat zone. Children and any persons not involved in the assembly should wait outside until all rafters are securely in place.

## WIND WARNING

Do not attempt to assemble your yurt on a windy day. Not only is it dangerous, wind can cause several complications and even damage components.

# Anatomy of a Yurt

To best introduce you to the assembly process you should be aware of the main components a Yurt consists of:




## Yurt Assembly Legend

The main components included with your Yurt assembly.

- A. Dome
- B. Roof Covering
- C. Roof Insulation
- D. Roof Liner
- E. Center Ring
- F. Rafters
- G. Tension Cable
- H. Lattice Wall
- I. Door
- J. Wall Covering
- K. Wall Insulation

A YURT'S FOUNDATION

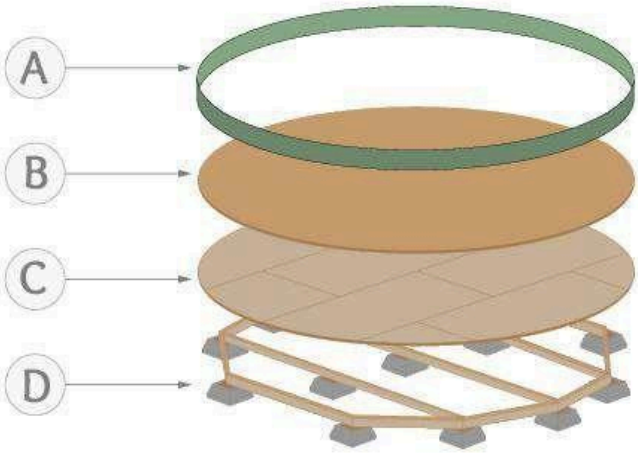
# Platform & Flooring

To ensure a weatherproof, watertight and draft free seal – a well-built platform is necessary. The construction of the platform needs to be the same diameter as your chosen yurt size. This allows the wall covering to extend beyond the floor level creating a seal. If you're planning for exterior decking, it should be separated from, or at a lower level than the yurt platform. There are alternative methods for a foundation but a lumber platform is generally the most practical.

## PLATFORM NOT INCLUDED

The purchase of a Yurt *does not include* the platform & flooring.
To aid in preparation for your Yurt's arrival, we provide platform plans to assist you or your contractor of choice.

Platform Plans: www.livingintentyurts.com/platform




### Platform Assembly Legend

Each component needed for your Yurt's Platform assembly.

A. Painted or Stained Bender Board

B. Flooring

C. Sub-Flooring

D. Platform

WHAT YOU WILL NEED

# Tools, Supplies & Parts

Before you begin, check that you have all the items listed on this page.

## Tools

NOT INCLUDED

- ☐ Skill Saw
- ☐ Electric Drill
- ☐ Staple Gun
- ☐ Pencil
- ☐ Speed Square
- ☐ Tape Measure
- ☐ Level
- ☐ Clamps
- ☐ Scissors
- ☐ Box Cutter
- ☐ Pliers
- ☐ Broom
- ☐ Drywall Lift

## Supplies

NOT INCLUDED

- ☐ Zip Ties
- ☐ Packing Tape
- ☐ Masking Tape
- ☐ Packing Blanket
- ☐ ½" Staples
- ☐ Screw Bits
- ☐ ⅛" Drill Bit
- ☐ 6' Ladder
- ☐ 8' Ladder
- ☐ 10'-12' Ladder
- ☐ Drywall Lift

## Parts

INCLUDED IN SHIPMENT

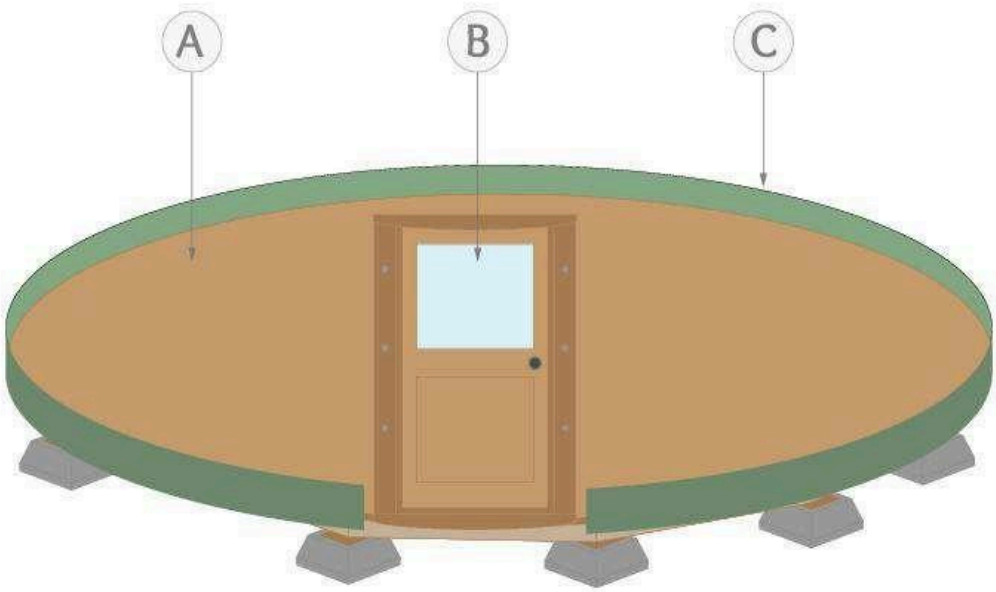
- ☐ Dome
- ☐ Zip Ties
- ☐ ¾" Screws
- ☐ 1" Finish Screws
- ☐ 3" Screws
- ☐ Dome Opener
- ☐ Dome Hardware
- ☐ Center Ring
- ☐ Ring Hardware
- ☐ Rafters
- ☐ Roof Covering
- ☐ Roof Insulation
- ☐ Roof Liner
- ☐ Tension Cable
- ☐ Cable Hardware
- ☐ Lattice Wall
- ☐ Wall Hardware
- ☐ Wall Covering
- ☐ Wall Insulation
- ☐ Door Assembly
- ☐ Door Hardware
- ☐ CAD Yurt Layout

STEP 1:

# Platform Preparation

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Pencil | ☐ 2 People | ☐ Door Assembly |
| ☐ Speed Square | ☐ Screw Bits | ☐ Bender Board (not incl.) |
| ☐ Skill Saw | ☐ Packing Blanket | ☐ Flooring (not incl.) |
| ☐ Tape Measure | | |
| ☐ Drill | | |




## Platform Preparation Parts Legend

Each component listed is necessary for Step 1

| | | |
|---|---|---|
| A. Platform | B. Door / Window Assembly | C. Bender Board |

## 1.1 Prepare Bender Board For Door Placement

- □ Using two people, temporarily align door in desired position
- □ With pencil & speed square scribe bender board where the door threshold will sit
- □ Release bender board screws from platform with drill in preparation for cutting
- □ With the bender board separated from the platform, use a speed square to vertically align your skill saw while removing excess material

  Note: Adjust saw blade depth to bender board thickness

- □ Re-fasten bender board to plywood subfloor with screws and drill



FIG 1.1a
Consult your custom yurt layout. This will be the guide for your door and window locations.



FIG 1.1b
The CAD layout will list door and window locations. The bender measurements will be the distance between doors and windows along the bender board.



FIG 1.1c
Mark the width of the door threshold on the bender board and ⅛" outside of those markings.



FIG 1.1d
Cut in an opening in the bender board slightly wider than the width of the door threshold.



FIG 1.1e
With the bender board separated, vertically align your skill saw with speed square for straight cut.



FIG 1.1f
Replace bender board screws once excess material has been removed for the door assembly.

## Recap:

In this step, you and your partner cut in the opening in the bender board slightly wider than the width of the door.

## IF YOU HAVE ADDITIONAL DOORS AND PREFAB GLASS WINDOWS IN YOUR KIT:

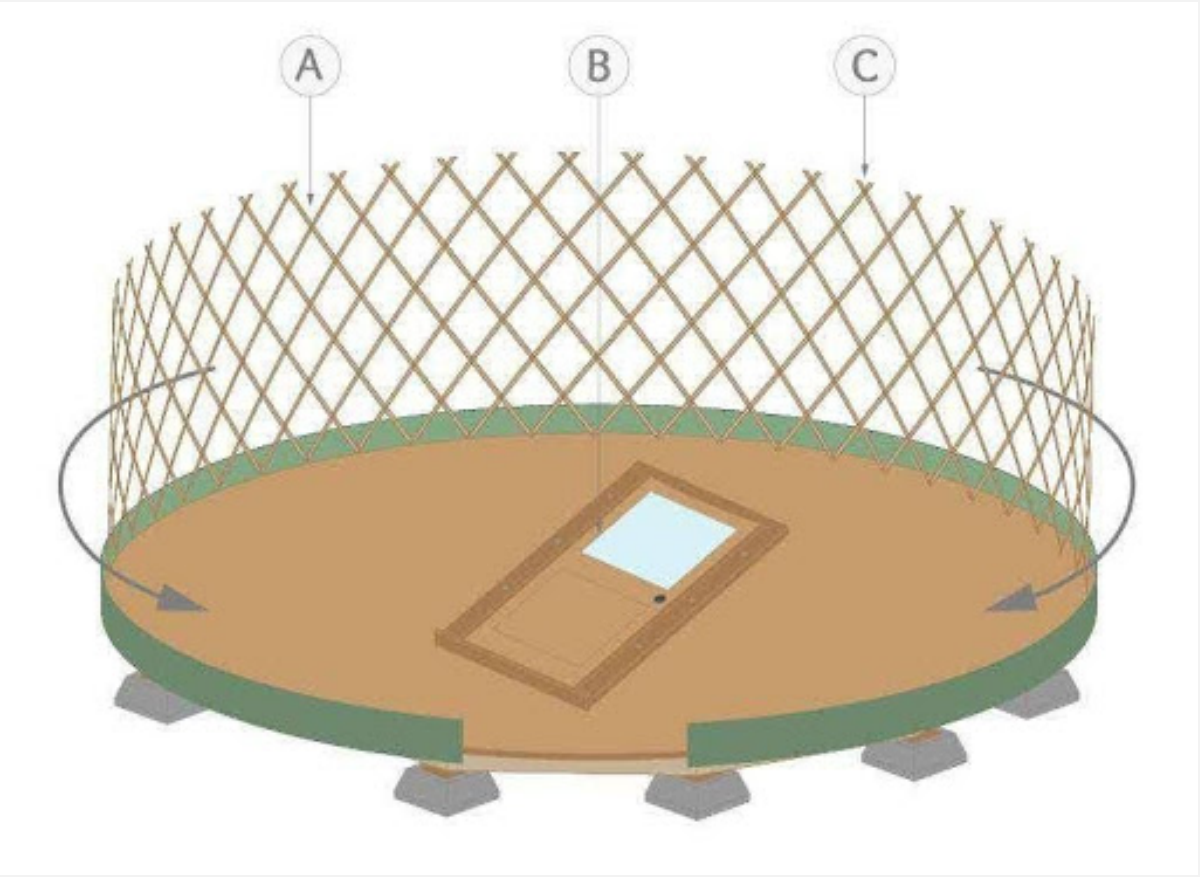
- Refer to your custom layout to confirm the correct positioning of any additional doors and windows.
- Repeat Step 1 as needed, carefully cutting away sections of the bender board.
- If you have short sections of lattice, swap Steps 2 and 3. You may want to skip ahead to installing the doors and windows on the platform and then attach the lattice wall sections afterwards.

STEP 2:

# Lattice Wall

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Clamps | ☐ 2 People | ☐ Lattice Wall |




## Lattice Wall Parts Legend

Each component listed is necessary for Step 2

| | | |
|---|---|---|
| A. Lattice Wall | B. Door Assembly | C. V Crotch |

## 2.1 Expanding Lattice to Perimeter & Door Opening

- ☐ **With two people, stand the lattice upright at the edge of the platform, opposite of the door.** Note: The flush sides of rivets should face inside.
- ☐ **Lift and push the lattice towards the platform perimeter.** Ideally, involve everyone at this step so as to not scratch the flooring.
- ☐ Use clamps to temporarily fasten the lattice to the bender board.



FIG 2.1a
Starting from the opposite end, expand the lattice outwards.



FIG 2.1b
Flush side of lattice rivets should face inwards to the interior of the yurt.



FIG 2.1c
Carefully lift and spread the lattice to the exterior perimeter to avoid scratching the floor.



FIG 2.1d
Use the clamps to fasten the lattice wall to the benderboard. Do this in 4-6 places

### Recap:

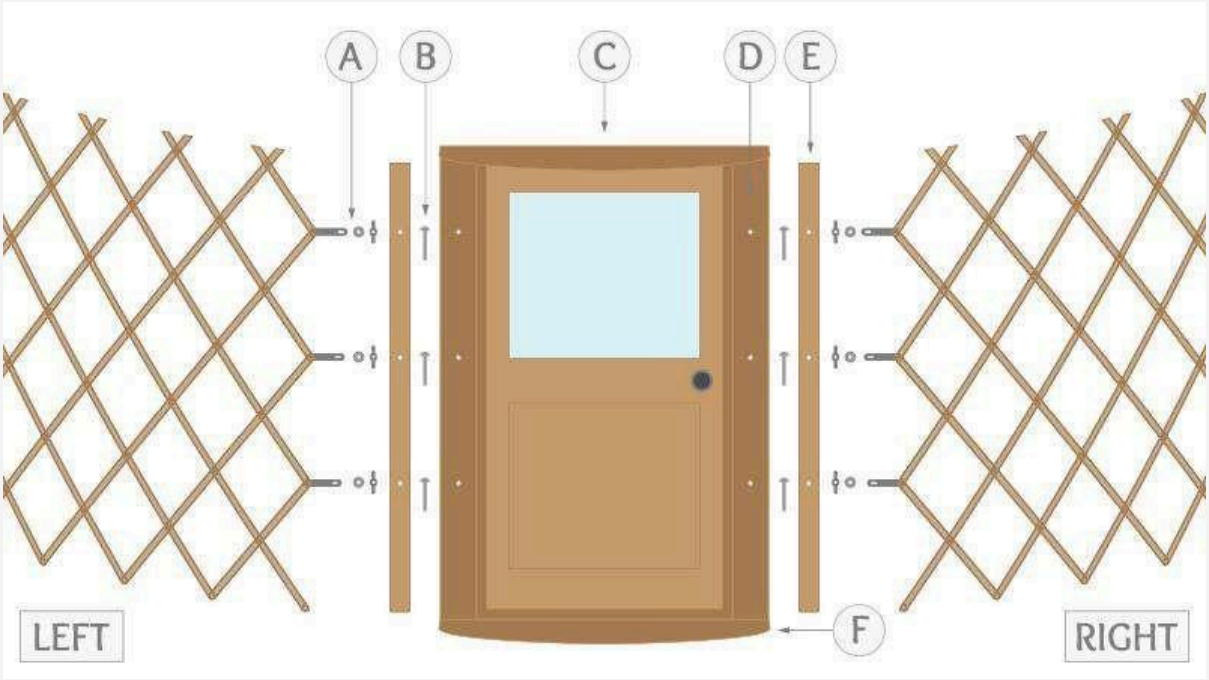
In this step, you simply stretched the lattice to the outer perimeter and door opening of the yurt's platform in preparation for fastening the lattice to the door frame.

STEP 3:

# Door & Lattice Setting

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Tape Measure | ☐ 2 People | ☐ Door Assembly |
| ☐ Drill | ☐ 3” Screws (x4) | ☐ Lattice Wall |
| ☐ Clamps | ☐ Screw Bit | ☐ Bender Board (not incl.) |
| ☐ Level | | |




## Door & Lattice Setting Parts Legend

Each component listed is necessary for Step 3

| | | |
|---|---|---|
| A. Washers & Wingnuts | C. Door Header | E. Faceplate Boards |
| B. Faceplate Bolts | D. Door Faceplates | F. Door Threshold |

## 3.1 Position and Fasten Door

- ☐ Raise door into position and keep hold with both people
- ☐ Door threshold corners should be aligned to the marks scribed on the floor and flush to the straight cut in the flooring
- ☐ There should be 1/16” of threshold overhang over flooring
- ☐ Fasten door to floor using (1) 3” Screw on each side of threshold with drill

  Note: Have one person holding the door frame upright until finishing Step 3.2



FIG 3.1a
Raise the door with two people into the opening.



FIG 3.1b
Align door to markings made in Step 1. The door should be centered between the bender board.



FIG 3.1c
Butt the bender up to the routed groove in the bottom of the door or window threshold.



FIG 3.1d
Once the door is aligned and flush, fasten (1) 3” on either side of the door frame.



FIG 3.1e
Install the door in the opening.



FIG 3.1f
Screw down threshold using the pre drilled holes, making sure the notch in the threshold is aligned and flush with the bender board.

## 3.2 Fastening Lattice to Door

- ☐ Unscrew wing nuts from bolts on either side of the door faceplates
- ☐ Remove the pine faceplate boards - set aside
- ☐ Loosely fasten lattice brackets to the faceplate bolts on the door frame using washers & wingnuts



FIG 3.2a
Remove the wing nuts and washers from door frame assembly on either side.



FIG 3.2b
Pull the faceplate board off of each side of the door frame assembly and set aside.



FIG 3.2c
Latch the brackets from the lattice wall on either side of the door frames exposed faceplate bolts.



FIG 3.2d
Apply the washer first and then finger tighten the wing nuts on all six bolts.

## 3.3 Measuring & Adjusting Lattice Wall Height

- ☐ Using measuring tape, walk around the whole perimeter and measure from floor to the top V crotch of the lattice wall to check for equal heights (within ½").
- ☐ Push lattice to outer edge and expand as needed to adjust for equal height.

  Note: Following tension cable steps may call for further adjustment in height



FIG 3.3a
From the floor to the V Crotch of the lattice wall measure the whole perimeter for equal height.



FIG 3.3b
Check that all the V Crotch tops are the same height.
Note: About ½" tolerance difference is OK.



FIG 3.3c
Slight adjustments in height can be made by expanding and contracting the lattice wall.



FIG 3.3d
Clamps are a good way to steady the wall while adjusting irregular areas. Keep in place for Step 5.

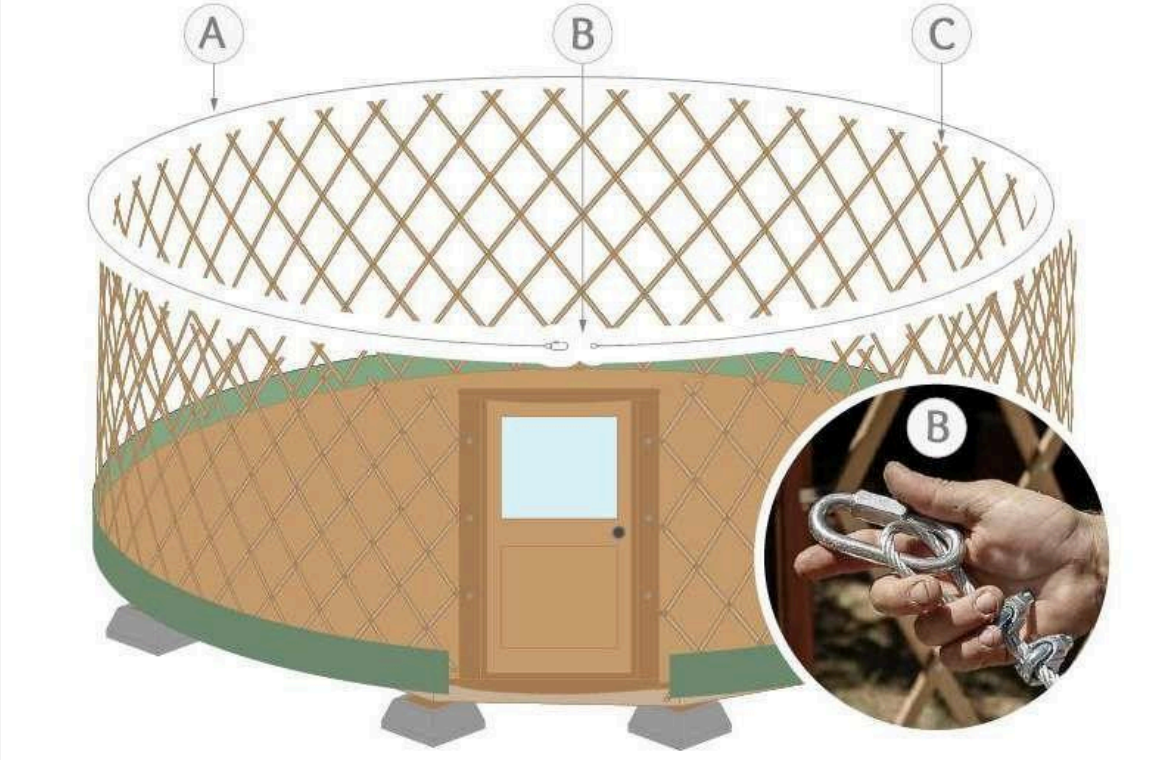
Recap: In this step, you aligned and fastened the door, attached the lattice to the door frame, and equalized the height throughout the lattice wall.

STEP 4:

# Tension Cable

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Tape Measure<br>☐ Scissors | ☐ 2 People<br>☐ 8” Ladder<br>☐ Packing Blanket | ☐ Tension Cable<br>☐ Cable Hardware<br>☐ Lattice Wall<br>☐ Door Assembly |




## Tension Cable Parts Legend

Each component listed is necessary for Step 4

| A. Tension Cable | B. Cable Hardware | C. V Crotch |
|---|---|---|

## 4.1 Tension Cable Placement

- □ Cut cable free with scissors and place near door on blanket
- □ Begin with one end of the Tension Cable above the center of the door
- □ Guide cable into each V crotch of the lattice wall



FIG 4.1a
Place carabiner atop the center of the door frame. This will be the final connection point.



FIG 4.1b
String the cable inside the v crotch around the lattice wall perimeter and back to the door.

## 4.2 Cable Connection

- □ Once you have strung the cable around the lattice and back to the door, fasten Oval Carabiner with your hands, above the door frame
- □ Check the tension cable for sagging – to straighten simply lift the cable from the sagging point and work the slack back towards the door frame
- □ With cable strung around the lattice wall, check for equal height measurement of lattice wall – as done before in Step 3.



FIG 4.2a
Screw open barrel thread of carabiner to insert the connecting cable loophole. Finger tighten to close.



FIG 4.2b
The tension cable should not sag between lattice v crotch. Rework cable back to door to straighten out.

## Recap:

This step consists of running the tension cable along the lattice wall and fastening the hardware above the door. If there was sagging in the cable, the slack was reworked towards the door to straighten the cable. A second measure for equal height of the lattice wall was done to prepare for installing the rafters next.

STEP 5:

# Ring & Rafters

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Drill | ☐ 2-3 People | ☐ Center Ring |
| ☐ Measuring Tape | ☐ 1 ⅛" Screws | ☐ Ring Hardware |
| ☐ Level | ☐ 3" Screws | ☐ Rafters |
| ☐ Clamps | ☐ 8' Ladder | ☐ Tension Cable |
| | ☐ 10-12' Ladder or Scaffolding* | ☐ Door Assembly |

## EXPERIENCE, LADDERS, SCAFFOLDING & WIND

PLEASE READ SAFETY DISCLAIMERS ON PAGE 3 BEFORE BEGINNING THIS STEP




### Center Ring & Rafters Parts Legend

Each component listed is necessary for Step 5

| | | |
|---|---|---|
| A. Center Ring | B. Rafters | C. Tension Cable |

## 5.1 Center Ring Raising

- □ If not already done, place 4-6 clamps around diameter onto the lattice wall and bender board as done in Step 3.3
- □ Position the Center Ring at the center of the yurt atop blanket
- □ Layout four rafters on the floor in preparation for raising the ring
- □ Insert two rafters into the center ring two sections apart facing the door
- □ Use provided hardware for the first two rafters (bolt, fasten with nut)
- □ Lift the two fastened rafters from the opposite ends with two people – hooking each rafter notch onto the tension cable (directly adjacent to either side of the door within the lattice V's)



FIG 5.1a
Insert the first two rafters into the center ring slots.



FIG 5.1b
Space the first two rafters two slots apart in the ring.



FIG 5.1c
Insert a bolt through the ring and rafter joint and fasten with provided nuts.



FIG 5.1d
One person per rafter, lift two rafters and fasten onto tension cable on either side of the door frame.

- □ **While one person lifts the center ring, have teammate insert a third and fourth rafter into the center ring opposite of the door – wedge rafters into corner**
- □ **Set up a ladder or scaffolding in the center of the yurt**
- □ **Insert bolts and fasten with nuts into the center ring for the third and fourth rafters – do so using ladder or scaffolding before raising the center ring.**
- □ **With all four rafters secured into the center ring, have each person lift the third and fourth rafters upwards and hook the notches on the tension cable** Note: For added safety while raising the center ring, have a third person climb up the ladder or scaffolding and assist by lifting the center ring. Caution, the person on the ladder is supporting the weight until the two rafters have been notched.



FIG 5.1e
One person lifts the ring allowing the other person to insert the third and fourth rafters.



FIG 5.1f
Wedge the third and fourth rafters into the floor corner to make space for the ladder or scaffolding.



FIG 5.1g
Confident builders can bypass the ladder/scaffolding by only lifting the third and fourth rafters upward and notching into place. Proceed with caution.



FIG 5.1h
Use the notch at the end of the rafter to hook onto the tension cable.

## 5.2 Rafter Installation

- ☐ Standing on the ladder or scaffolding, use one hand to help support the Center Ring, and the other to guide the rest of the rafters into their mortises
- ☐ On the ground, using the door rafters as reference, lift rafters to center ring and notch every 4th lattice V onto tension cable

  Note: In adding rafters every 4th lattice V, the center ring becomes self-supported quicker, alleviating the person on the ladder or scaffolding.
- ☐ Before filling in the remaining rafters, check to make sure that every rafter (especially the two opposite of the door) is notched within its correct lattice V. Adjust and reposition as necessary.
- ☐ With current rafters aligned and positioned correctly, lift and feed remaining rafters to the person above in a circular path. The last two rafters inserted should be those above the door.



FIG 5.2a
The ground person will need to feed the rafters through the lattice for clearance when inserting the rafters into the center ring.



FIG 5.2b
Confident builders may be able to lift and feed rafters without assistance from a person above ground. We recommend 2-3 person assembly for this step.



FIG 5.2c
Working from the door around the circle, the last two rafters installed should be those above the door.



FIG 5.2d
After all rafters are installed, adjust and position them so that they are centered in the lattice V.

## 5.3 Center Ring Leveling Insulation

- ☐ Using the Level, or the level feature of your Smart Phone, check the Center Ring for levelness. If the Center Ring is not level in any aspect, try any of the following:
  - apply pressure from above
  - tapping center ring with hand
  - adjust the lattice wall by expanding or contracting
  - or all above tactics until the Center Ring is level
- ☐ Once ring is level, fasten bolts/nuts where rafters join into the center ring



FIG 5.3a
Applying weight from the top of the ring can help to level the ring and settle the rafters and tension cable.



FIG 5.3b
Once the center ring is level, insert remaining bolts and fasten nuts. This can be done with fingers only.

## 5.4 Door Placement

- ☐ Setup ladder in order to adjust rafters and fasten hardware atop of door frame
- ☐ Carefully adjust the two Rafters that are located above the door to ensure that they are centered and uniformly spaced
- ☐ Have the ground person level the door such that it is plumb (vertically level)
- ☐ Using drill and 1 ⅛" Screws - fasten the two Rafters above the door so that they sit flush with the front of the door header

  Note: Once Rafters are secure this should be the final level position of the door

- ☐ Fasten door threshold with 3" screws and drill in remaining two holes



FIG 5.4a
Adjust door rafters to be centered and spaced properly before fastening the door.



FIG 5.4b
Check that each rafter is equally distant from the outer edges of the door header.



FIG 5.4c
Have your assistant hold the level to the door frame and adjust as necessary for vertical alignment.



FIG 5.4d
Pre-drill so your rafters don't split. With the door vertically level, fasten the two rafters to the door frame with L brackets and 1 ⅛" screws.



FIG 5.4e
Fasten any remaining holes in the threshold with 3" screws and drill.



FIG 5.4f
Check that door opens, closes and latches. If a door frame isn't leveled, this can wear on the door.

## Recap:

This step consists of raising the roof! All rafters have been inserted and fastened into the raised center ring. Each rafter has been centered to the lattice V and the ring has been leveled. The door is now level, fastened to the rafters and the floor. The door opens, closes and latches properly.

## IF YOU HAVE ADDITIONAL DOORS AND PREFAB GLASS WINDOWS IN YOUR KIT:

- Repeat the above steps to fasten any rafters above door and window frames using L brackets, and secure all the thresholds to the platform using predrilled holes.

  Note: don't forget to pre-drill your rafters so they don't split!

STEP 6:

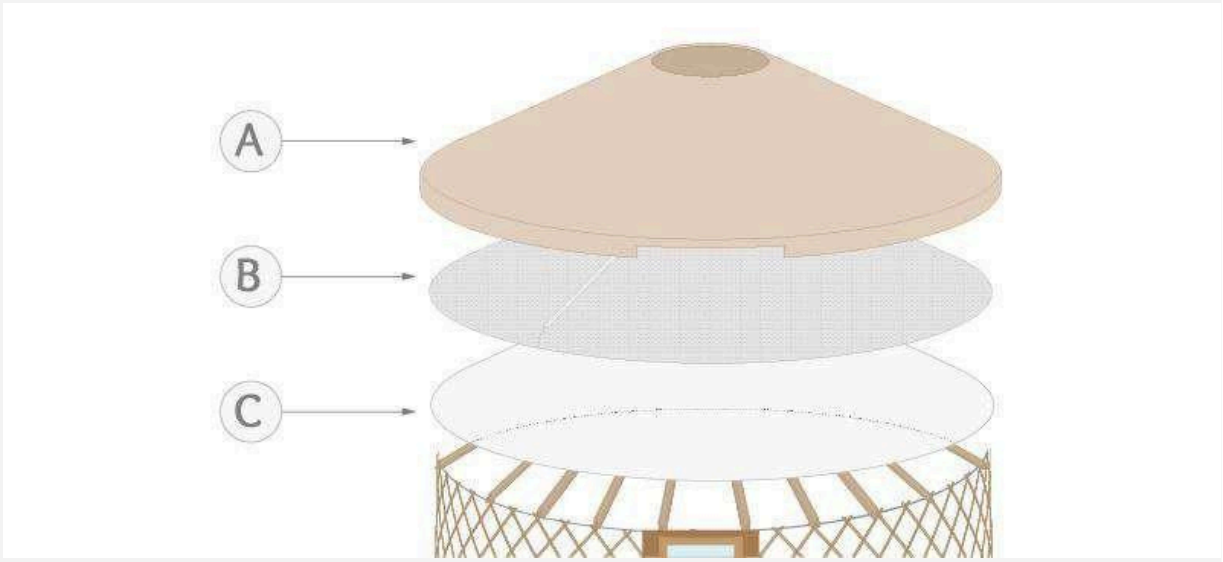
# Roof Covering

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Packing Tape | ☐ 2-3 People | ☐ Roof Covering |
| ☐ Staple Gun | ☐ ½" Staples | ☐ Roof Insulation |
| ☐ Clamps | ☐ 8' Ladder | ☐ Roof Liner |
| | ☐ 10-12' Ladder or Scaffolding* | ☐ Door Assembly |
| | | ☐ Sticker Board |

## EXPERIENCE, LADDERS, SCAFFOLDING & WIND

PLEASE READ SAFETY DISCLAIMERS ON PAGE 3 BEFORE BEGINNING THIS STEP




### Roof Covering Parts Legend

Each component listed is necessary for Step 6

| A. Roof Covering | B. Roof Insulation | C. Roof Fabric Liner |
|---|---|---|

## 6.1 Fabric Liner

- ☐ **Place assorted clamps around the top of the lattice wall – this will aid in securing the roof materials as they are adjusted**
- ☐ **Standing on a ladder or scaffolding, pull White Fabric Liner up through the ring**
- ☐ **Locate the horizontal seam side – make sure that the seam side is facing upward and runs parallel to the door header.**

  Note: First locate yourself within the ring cutout, and then shuffle and adjust the roof fabric liner with the help of another.

  Note: It may be helpful to use a Door Sticker as an arm-extender, to maneuver and shuffle the liner while standing in the ring.
- ☐ **Once the fabric covering is centered and the overhang is uniform, fasten using a single staple on the top side of every other rafter from center ring**



FIG 6.1a
Place clamps near the top of the lattice wall for easy access and application.



FIG 6.1b
Carry roof fabric liner in supplied bag up the ladder to the center ring.



FIG 6.1c
Unpack the liner from the bag and locate the horizontal seam line for placement above the door.



FIG 6.1d
The ground person should grab and disperse the liner across the rafters creating a uniform overhang.



FIG 6.1e
As the liner hangs uniformly, begin using pre-placed clamps to secure as final adjustments are made.



FIG 6.1f
See image to locate the direction of the seam placed directly above the door.

## 6.2 Roof Insulation

- **Standing on a ladder or scaffolding, pull the Roof Insulation up through the ring with the help of another person**
  Note: Feed the insulation with the wide side of the cone first so that it can lay upon the roof without having to rotate it on the ladder or scaffolding
- **Locate a straight edge roughly along a rafter, and unroll the rest of the Roof Insulation out in a circle – this may require help from another person outside on a ladder**
- **Once unrolled, match up the insulations edges (with ~1' overlap) – shuffle the roof insulation as needed to create a uniform overhang**

- Utilize the clamps from the roof fabric liner as they may be helpful for making slight adjustments
- Once the roof insulation is positioned correctly (with uniform overhang and 1' overlap) pull tight and staple the overlap into the rafter below
- Locate one person on the central ladder and another on a ladder outside the yurt at the lower end of the overlap
- From center ring, peel required length of Packing Tape, and (without letting it stick to itself) slide the roll down to the second person
- As a team, lay the Packing Tape down flat to create an ample and uniform seal – make two tape passes to ensure seal

  Note: It may be helpful to use a door sticker to press down the Packing Tape, as arms are not likely long enough to reach.



FIG 6.2a
One person assists the other lifting the insulation from the wide side on the cone first.



FIG 6.2b
The sticker board and assistants may be required to unroll the insulation around the roof.



FIG 6.2c
Work together to align the one foot overlap onto a rafter below and create an even overhang.



FIG 6.2d
Secure the roof insulation with 2-3 staples into the rafter below from top to bottom.



FIG 6.2e
Carefully peel length of tape and pass down to your partner without it sticking. Repeat and create a seal.



FIG 6.2f
Add a few final staples atop the taped seal to ensure the roof insulation position and alignment.

## IF YOU HAVE ADDITIONAL FLUFF INSULATION:

- ☐ Standing on a ladder or scaffolding, pull the fluff layer up through the ring
- ☐ Unroll the fluff insulation evenly to cover the reflective mylar and secure with staples around the ring and onto rafters in a few places



FIG 6.2g
One person assists the other lifting the insulation through the ring onto the roof



FIG 6.2h
One person unrolls the fluff on top the roof



FIG 6.2i
The assistants go around the circumference to help spread out the fluff layer evenly



FIG 6.2j
Secure it in position with a few staples around the ring and onto the rafters in a few places

## 6.3 Roof Covering (Careful, it's very heavy!)

- ☐ **With two people in position, pull the Roof Cone up through the center ring and onto the roof. Note:** The Roof Cone is heavy. This will take one person pulling from the central ladder, and one person lifting below them. **Note:** The ground person may need to take a few steps up the ladder to assist getting the material to the roof.
- ☐ **From the central ladder or scaffolding, locate the door opening and position the Roof Cone with this point as reference**
- ☐ **Clamp Roof Covering valance to the door faceplate for fixed positioning**
- ☐ **Much like with the fabric and insulation coverings, shuffle the Roof Cone into proper positioning using the door sticker and help from a secondary ladder**
- ☐ **The Roof Cone should overhang uniformly and be centered on the doorframe**
- ☐ **Note:** If your roof is sticking to itself too much to install, we suggest using diatomaceous earth (DE), a naturally occurring chalky white powder, to add a little friction for a smoother experience.



FIG 6.3a
Work together when lifting the roof covering up onto the roof and unrolling it, as shown here.



FIG 6.3b
Standing atop ladder/scaffolding, cautiously unroll the roof covering towards the door first.



FIG 6.3c
Work together to unfold, shuffle, rotate and position the roof covering as needed to create uniform overhang.



FIG 6.3d
Locate the door opening and align with the door, placing a clamp to aid in shuffling the roof covering.

## Recap:

In this step all three (or four) roofing components are installed in the order of fabric liner, reflective mylar insulation, (fluff insulation layer,) and lastly the roof covering. The insulation receives a tape seal and staples for securing its position in preparation for the roof covering. Each layer has been positioned in line with the door and has a uniform overhang around the perimeter wall.

STEP 7:

# Wall Covering

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Drill | ☐ 2 People | ☐ Wall Insulation Liner |
| ☐ Scissors | ☐ Zip-Ties | ☐ Wall Covering |
| ☐ Staple Gun | ☐ ½” Staples | ☐ Door Assembly |
| | ☐ 1 ⅛” Screws | ☐ Sticker Boards |
| | ☐ 8’ Ladder | ☐ Lattice Wall |




## Wall Covering Parts Legend

Each component listed is necessary for Step 7

| | | |
|---|---|---|
| A. Wall Covering | B. Wall Insulation Liner | C. Sticker Boards |

## 7.1 Wall Insulation Liner

- ☐ Unroll wall insulation bundle within the yurt
- ☐ One at a time, roll and feed each piece of insulation through the lattice to a secondary person outside the yurt
- ☐ The secondary person will receive the rolled piece of insulation and unroll it (fabric side in) against the lattice wall
- ☐ The interior person will secure the insulation to the tension cable using Zip Ties. Only zip tie every third grommet sewn into top of wall insulation
  Note: Once the wall covering is on, final adjustment to the insulation will follow.
- ☐ Beginning with a small overlap on the left side of the door frame, the order of insulation panels depends on your design. Note: Overlap each piece by 8-10”



FIG 7.1a
Unrolling insulation inside on the floor ensures no debris or stains are left on the interior wall.



FIG 7.1b
The person outside the yurt will hold and unroll the insulation bundle as the other fastens with zip-ties.



FIG 7.1c
Only zip-tie every third grommet hole atop the insulation as you will likely need to adjust horizontally.



FIG 7.1d
The person outside tucks the insulation liner under the roof covering valance as they go.

## 7.2 Hanging Wall Covering and fastening to Door Faceplate

- ☐ Using two people pick up the wall covering roll and place next to the left side of the door with the J-Hooks at the top
- ☐ Locate white rope under roof valance and attach 6-8' of wall covering using the J-Hooks – set roll down on ground against wall
- ☐ With the wall covering hung 6-8', locate the sewn in sleeve near the door and insert the left door sticker board into the sleeve pocket
- ☐ Loosen wingnuts on door faceplate and insert door sticker between faceplate and lattice brackets – sticker board should press against the faceplate bolts
- ☐ Keep pressure on door sticker so that it presses against the bolts – tighten wingnuts and fasten with drill using (3) 1 1/8" torque screws



FIG 7.2a
Flip the roof valance up to reveal the white rope for fastening the wall covering.



FIG 7.2b
The ground person will need to lift the roll upwards so that the "J" Hooks can be attached to the white rope.



FIG 7.2c
Slide the door sticker board into the wall covering into the sleeve pocket.



FIG 7.2d
Only loosen the wingnuts enough so that the wall covering/door sticker fits beneath brackets.



FIG 7.2e
Slide the wall covering/sticker board beneath brackets, tighten wingnuts and hold in place to keep pressure.



FIG 7.2f
To fix the positioning, fasten (3) 1 ⅛" screws with a drill from top to bottom of the door faceplate.

## 7.3 Unrolling Wall Covering and Attaching J-Hooks

- ☐ **With one person on a ladder, and another supporting the roll of covering from the ground, unroll and attach J-Hooks one at a time to the white rope found under the roof valence**
- ☐ **Make sure to pull the covering taught before attaching every hook**
  Note: There are extra J-hooks in the case one lands in the same position as a grommet. In this case choose the J-hook that is passed the grommet to allow it to slide forwards as you tighten the wall covering



FIG 7.3a
Assistance from a person on the ground to suspend and unroll the wall covering is necessary.



FIG 7.3b
Place J-hooks so that they can slide forwards on the rope and not be interrupted by grommets.

## 7.4 Secure Covering Behind Second Faceplate

- ☐ Once the entire covering is unrolled, slice excess covering with scissors 8” beyond the second faceplate
- ☐ Roll the second door sticker up within this 8” of excess material – such that it will just reach behind the faceplate. Staple to secure
- ☐ Pull tension on the wall covering and slide the rolled-up door sticker board behind the faceplate. Secure with (3) 1 1/8” torque screws
- ☐ Remove the wingnuts/washers and guide the faceplate board over the bolts. Reattach wingnuts/washers and tighten for both left and right sides of the door frame.



FIG 7.4a
Slice the excess wall covering off with scissors 8” passed the right side of the doors faceplate.



FIG 7.4b
Use the excess 8” of wall covering to roll the door sticker board up. Much like the sleeve on the left.



FIG 7.4c
Once you roll the sticker board up evenly, have someone hold it in place while you staple it closed.



FIG 7.4d
Slide the wall covering/sticker board beneath brackets, tighten wingnuts and hold in place.



FIG 7.4e
To fix the positioning, fasten (3) 1 ⅛" screws with a drill from top to bottom of the door faceplate.



FIG 7.4f
Place faceplate board atop the sticker board and reattach washers/wingnuts onto bolts for both sides.

## 7.5 Finalize Insulation Placement

- ☐ Using the outer wall covering as a guide, shuffle insulation panels such that the windows line up with the wall covering
- ☐ Secure all grommets with Zip Ties. Snip loose ends with scissors



FIG 7.5a
Holding the insulation panels from the top and window opening shuffle between the lattice to align.



FIG 7.5b
You may need to cut some of the former zip-ties to adjust horizontally. Reattach as needed.



FIG 7.5c
For more difficult panel adjustments use two people working together from two points.



FIG 7.5d
When all panels have been positioned and aligned, tuck the bottom of the panel behind the bender board.

## Recap:

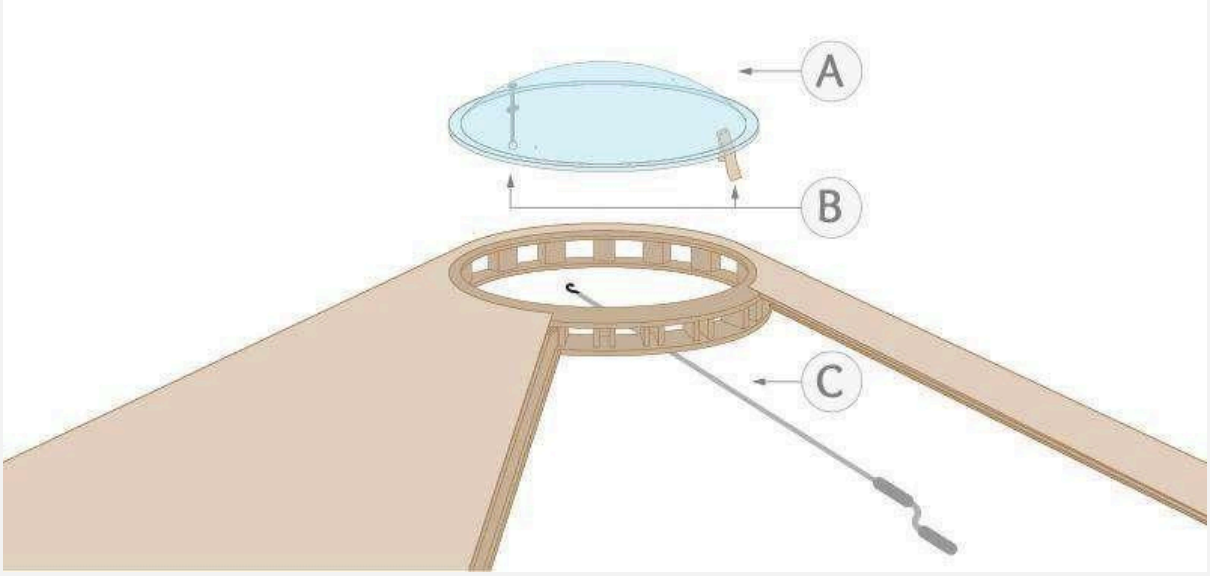
**The wall insulation is first attached to the lattice wall loosely with zip-ties. The wall covering is then fastened to the lattice wall and to the left door faceplate. The wall covering is unraveled and attached to the roof rope around the perimeter. The wall covering is trimmed of excess material, wrapped and inserted into the right door faceplate. Final positioning, alignment and fastening of the wall insulation completes the ste**

STEP 8:

# Dome & Hardware

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Drill<br>☐ Scissors<br>☐ Pliers | ☐ 2 People<br>☐ 1” Finish Screws<br>☐ ⅛” Drill Bit<br>☐ 8’ Ladder<br>☐ 10-12’ Ladder or Scaffolding | ☐ Dome<br>☐ Dome Hardware<br>☐ Dome Opener |




## Dome & Hardware Parts Legend

Each component listed is necessary for Step 8

| A. Dome | B. Dome Hardware | C. Dome Opener |
|---|---|---|

## 8.1 Dome Hardware

- ☐ **Remove protective film from dome atop a blanket to avoid scratching**
- ☐ **Locate dome hardware kit pieces**
    1. Dome Opener
    2. Eyelet Bolts & Springs
    3. Wingnuts and Gasket Washers
    4. Short and Long Hinge Tabs
- ☐ **Attach hardware to dome before hoisting onto roof:**
    1. Push eyelet bolts from inside through the single holes on opposing sides of dome contour – press on gasket washer from outside dome and fasten wingnut to tighten
    2. Locate the dual hole opening and press dome opener bolts with gasket through from the inside – press on gasket washer and fasten wingnut to tighten from outside dome
    3. The remaining set of dual holes are for the hinge tabs. The shorter tab mounts inside the contour and the longer tab mounts to the dome brim



FIG 8.1a
Remove protective film from the dome atop a blanket to avoid scratching.



FIG 8.1b
Locate dome hardware - hinge tabs, wingnuts, gasket washers, eyelet bolts, and dome opener.



FIG 8.1c
Push eyelet bolt and gasket washer from inside of dome, secure with gasket washer and wingnut. Repeat on the opposite side of the dome.



FIG 8.1d
Push dome opener bolts with gasket from inside the dome, secure with two gasket washers and wingnuts.



FIG 8.1e
The shorter of the two hinge tabs is mounted on the dome contour as the eyelets and opener were.



FIG 8.1f
The longer hinge tab is mounted onto the dome brim facing towards the shorter tab.

## 8.2 Hoisting Dome onto Roof

- ☐ Position a 8’ Ladder outside the yurt near the door, and a 10-12’ ladder inside the yurt beneath the center ring
- ☐ Tape down the dome opener to the dome to avoid it swinging and scratching the dome during the hoisting
- ☐ With one person securely on the 8’ ladder outside, the other person will hand the dome up to them from the ground
- ☐ The ground person now relocated, climbs up the internal ladder and through the center ring
- ☐ The outside person will hoist the dome up the roof for the other person to receive - Receiver will position dome atop the center ring and step down the ladder a rung or two



FIG 8.2a
Tape down the dome opener to the dome to avoid it swinging and scratching the dome during the hoisting.



FIG 8.2b
The ground person will hand the dome up to the person on the 8’ ladder.



FIG 8.2c
The outside person will hoist the dome up the roof for the other person to receive.



FIG 8.2 d
Receiver will position the dome atop the center ring and step down the ladder a rung or two.

## 8.3 Fastening Dome onto Center Ring

- ☐ **Position dome so that it sits atop the center ring evenly to the outer and inner edges**

  Note: Rotate the dome so that it doesn't open into prevailing winds - meaning you want the hinge to face the direction of the wind
- ☐ **The dome opener needs to align to one of the center ring vertical faceplates for fastening**

  Note: Dome opener tab should be threaded so that it aligns to the top of the center ring faceplate
- ☐ **With dome and hardware positioned and aligned, pre drill the holes for the dome opener into the center ring faceplate using the opener's tab as a guide**
- ☐ **Now fasten the dome opener with (2) 1" finish screws on either side**



FIG 8.3a
Pull hinge tabs downward so they rest in the inner circle of the center ring.



FIG 8.3b
Ensure the dome opener is aligned vertically with a faceplate of the center ring.



FIG 8.3c
Pre-drill the holes for the dome opener into the center ring faceplate using the opener's tab as a guide.



FIG 8.3d
Fasten the dome opener with (2) 1" finish screws and drill on either side.

- □ **Pulling both hinge tabs tightly, pre-drill two holes through hinge into the brim of the top center ring**
  Note: Carefully as to not drill the holes too close to the edge of the hinge to avoid tearing.
- □ **Fasten the hinge tabs together onto the top center ring brim with drill and (2) 1" finish screws on either side**
- □ **Latch springs onto either eyelet bolts on opposing sides of the dome**
- □ **Holding the spring in place, pre-drill a hole through the spring hook into the brim of the top center ring**

- Fasten each spring into place on the top center ring brim with drill and (1) 1” finish screws on either side
- Once springs are fastened, use your pliers to crimp the top hook of the spring for added security



FIG 8.3e
Pulling both hinge tabs tightly, pre-drill two holes through the hinge into the top ring of the center ring.



FIG 8.3f
Trim off the excess material with scissors from the hinge tab once it has been screwed into place.



FIG 8.3g
Latch springs onto either eyelet bolts on opposing sides of the dome.



FIG 8.3h
Holding the spring in place, pre-drill a hole through the spring hook into the brim of the top center ring.



FIG 8.3i
Fasten each spring into place on the top center ring brim with drill and (1) 1" finish screws on either side.



FIG 8.3j
Once springs are fastened, use your pliers to crimp the top hook of the spring for added security.

## 8.4 Dome Opener Pole Assembly and Testing

- The dome opener pole is telescoping and comes in three pieces. Assemble the necessary amount of pieces together to make one pole
- Loop the hook into the dome opener hardware eyelet
- Once the pole is mounted, test by rotating the pole from the handle side. Open and close dome one or two times to check for proper functionality



FIG 8.4a
Assemble the telescoping dome opener pole to make one long pole able to reach dome opener hardware.



FIG 8.4b
Hook the telescoping pole's hook into hardware to begin testing the mobility of the dome opener.



FIG 8.4c
Using the handle of the telescoping pole, rotate in circular motions to open the dome.



FIG 8.4d
From the outside you will see the dome only opens a few inches to allow for ventilation and hot air to rise.

## Recap:

During this step the hardware is first mounted and secured to the dome. With two people the dome is then hoisted onto the roof and positioned onto the center ring. Once positioned the dome hardware can be aligned, pre-drilled and fastened to the center ring. The dome opener pole is assembled and attached to test for proper functionality.

STEP 9:

# Final Details

You will need the following tools, supplies, and parts for this step.

| Tools | Supplies | Parts |
|---|---|---|
| ☐ Drill | ☐ 2 People | ☐ Door Assembly |
| ☐ Scissors | ☐ 3/4” Screws | ☐ Roof Covering |
| ☐ Staple Gun (optional) | ☐ 1” Screws | ☐ Wall Covering |
| | ☐ Screw Bit | ☐ (2) Rain Gutter Pipes |
| | ☐ ⅛” Drill Bit | ☐ Bender Board (not incl.) |
| | ☐ Zip-Ties | |
| | ☐ 8’ Ladder | |

## 9.1 Secure Covering to Benderboard

- ☐ Beginning on the left side of the door frame, pull the bottom corner of the wall covering downward into the door frame groove
- ☐ Starting at the bottom corner of the wall covering, fasten (2) 1” screws – one into the platform and the other into the bender board



FIG 9.1a
Pull the bottom corner of the wall covering downward into the door frame groove.



FIG 9.1b
Fasten (2) 1” screws through the wall covering – one into the platform and the other into the bender board.

- ☐ **The next few steps are best done with two people. The goal is to pull as many wrinkles and slack out the wall covering making it tight and sealing it to the bender board perimeter**
- ☐ **With two people working together – have one person pull the wall covering down and away from the door frame (or whichever direction minimizes wrinkles) as the other person uses the drill to fasten 1" screws through the grommets at the base of the wall into the bender board.**
  Note: Grommets are 16" apart from one another



FIG 9.1c
One person pulls the wall covering down and away from the door frame...



FIG 9.1d
... as the other person uses the drill to fasten 1" screws into the bender board in each grommet (16" apart).

## 9.2 Securing Roof Covering to Door Frame

- ☐ **Begin by folding the roof valance upwards revealing the roof insulation, liner rope, and door frame.**
- ☐ **If there is excess material from the roof insulation and/or liner we recommend you either trim off the excess or roll and staple the excess atop the door frame.**
  Note: In doing so, you are clearing the door frame of obstruction for the hardware to be mounted in the next steps.
- ☐ **With the excess material concealed, locate the white rope and pull each end together to the center of the door removing any excess slack. Tie and conceal the rope once tight.**
  Note: It is helpful to tie a loop into one end allowing you to loop the other end and pull with more leverage



FIG 9.2a
For the excess roof insulation and liner, either trim off the excess or roll and staple the excess atop the door frame.



FIG 9.2b
Locate the white rope and pull each end together to the center of the door removing any excess slack. Tie once tight. Concealing rope once tied off.

- □ **Fold the roof valance back down over the door frame header locating the snaps mounted to the front of the valance**
- □ **Starting at the center snap, use the male end of the snap to measure that it won't hang below the edge of the door frame. Mark a dot for pre-drilling with the male snap screw or pencil**

  Note: Double check that the female snap is aligned with this dot
- □ **Using the ⅛" drill bit, pre-drill the marked dot**
- □ **With a ¾" screw, fasten the male snap into place with a drill**
- □ **Press female snap into the male snap fastening to the door frame header**
- □ **Repeat the previous four steps working from the center snaps outwards to the edges of the roof covering and door frame**



FIG 9.2c
Use the male end of the snap to measure that it won't hang below the edge of the door frame header. Mark a dot for pre-drilling with the male snap screw or pencil.



FIG 9.2d
Using the ⅛" drill bit, pre-drill the marked dot no more than a ½"-⅝" deep.



FIG 9.2e
With a ¾" screw, fasten the male snap into place with a drill.



FIG 9.2f
Press the female snap onto the male snap fastening the roof covering to the door frame header.

- □ **With the valance secured to the door frame header, now the rain gutter guard can be assembled**
- □ **Locate the pocket sleeves above the door frame in the roof covering**
- □ **Insert rain guard pipe into pocket above the door and snap buttons closed**

Note: the pipe has a 45° miter cut on one end – make sure to feed the mitered end in first. This ensures the rain guard point comes together



FIG 9.2g
Repeat the previous steps for attaching the snaps – work from the center snap outwards to the edges of the roof covering and door frame.



FIG 9.2h
Locate the pocket sleeves above the door frame in the roof covering.



FIG 9.2i
Insert rain guard pipe into pocket sleeves above the door and snap buttons closed.



FIG 9.2j
The pipe has a 45° miter cut on one end – make sure to feed the mitered end in first. This ensures the rain guard point comes together.

## 9.3 Pull Roof Covering Tight

- ☐ Under the roof valence, there will be a white rope visible at the location of every heat-weld (heat welds are the vertical seams in the roof valance)
- ☐ Working your way around the roof covering, pull this rope tight and tie a knot with the excess to cinch it around the wall. If there is not enough rope to tie a knot with, cinch it closed with a zip tie. Snip the zip-tie end with scissors. Note: Be careful to pull straight out of the grommet, instead of down. This will prevent the grommets from ripping out of the valence.
- ☐ Tuck the excess rope back up into the roof valance
- ☐ Now, take a step back and enjoy the yurt dwelling you just erected! You have completed the assembly.



FIG 9.3a
Be careful to pull straight out of the grommet, instead of down. This will prevent the grommets from ripping out of the valence.



FIG 9.3b
Pull this rope tight and tie a knot with the excess to cinch it around the wall. If there is not enough rope to tie a knot with, cinch it closed with a zip tie. Snip the zip-tie end with scissors.

### Recap:

This step the wall covering is fastened to the perimeter, the roof covering fastened to the door frame header with snaps, and the roof valance rope is pulled tight and tied off to seal the valance to the wall. The rain guard pipes are inserted creating a water diversion above the doorway.

GREAT JOB

# Yurt Life is here!

Congratulations on completing the assembly of your yurt. You can now sit back and enjoy the benefits of this low cost dwelling for years to come. We recommend some cozy rugs and furniture to start. You may even consider exploring air and heating options to bring your Yurt to the next level of comfort.

Once you furnish and decorate your yurt, we ask to share any and all photos of the interior and exterior with us to potentially be featured on our Instagram or Website. Join us on instagram @livingintetnyurtco

During your assembly, if you experienced any difficulties and would like to give us feedback we are always open to improving our products and services. You can reach at any of the contact points below.

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