



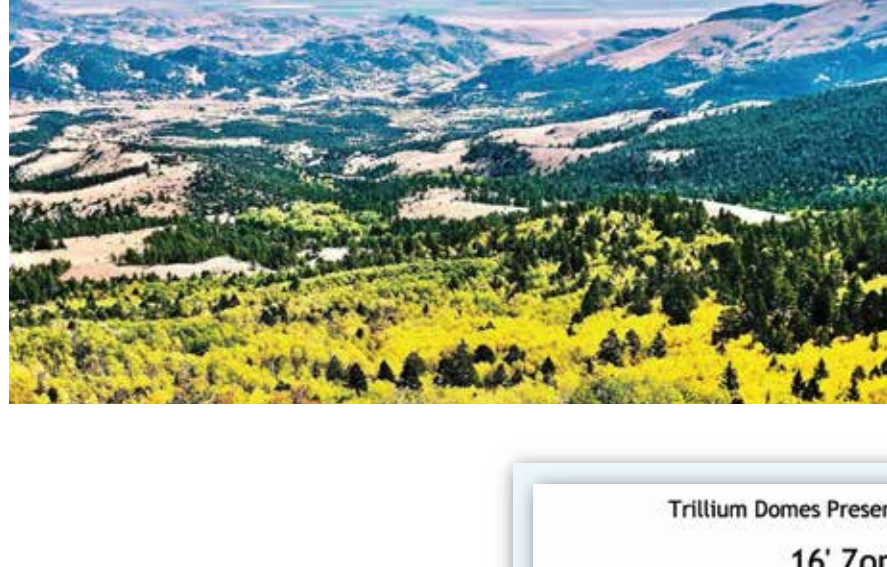
BUILDER BABES

... *Women's Building Retreat* ...

Join us for one or both parts of our Women's Build Retreat at New Sky to construct a zome greenhouse! No prior building experience required.

September 24 - 28
& October 1 - 5, 2026

The Builder Babes Women's Building Retreat is designed to empower women-identifying individuals through hands-on building. Over the course of two long weekends, we will be constructing a Zome Greenhouse following plans from Trillium Domes! This will be a supportive and confidence-building environment in which women will learn building skills together on the gorgeous, off-grid, New Sky Ranch.



Fall in the San Luis Valley



A sneak peak of our Trillium Build Plans!

BUILDER BABES

... *Workshop Curriculum* ...

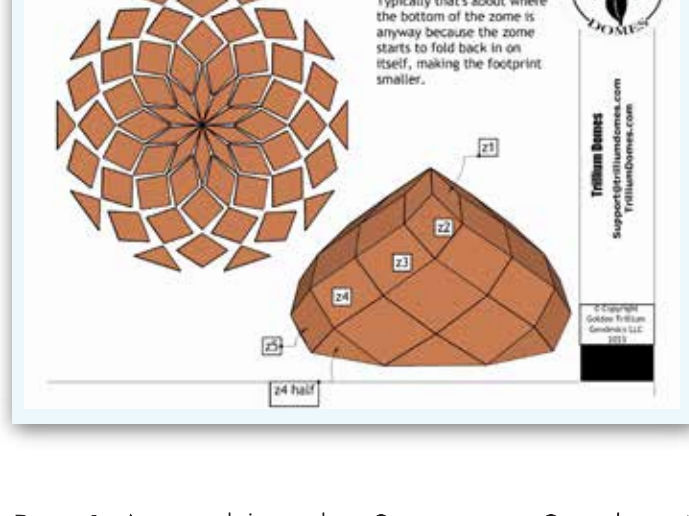
At the start of each session, we will focus on fundamental shop etiquette & tool safety, reading build plans, and setting up an efficient workflow. After that, we will dive straight into applying those lessons.

New-to-building participants will receive hands-on instruction about every tool and building technique that we will cover. Participants with prior experience will be able to share knowledge, deepen existing skills, and learn the unique aspects of building a greenhouse zome structure.



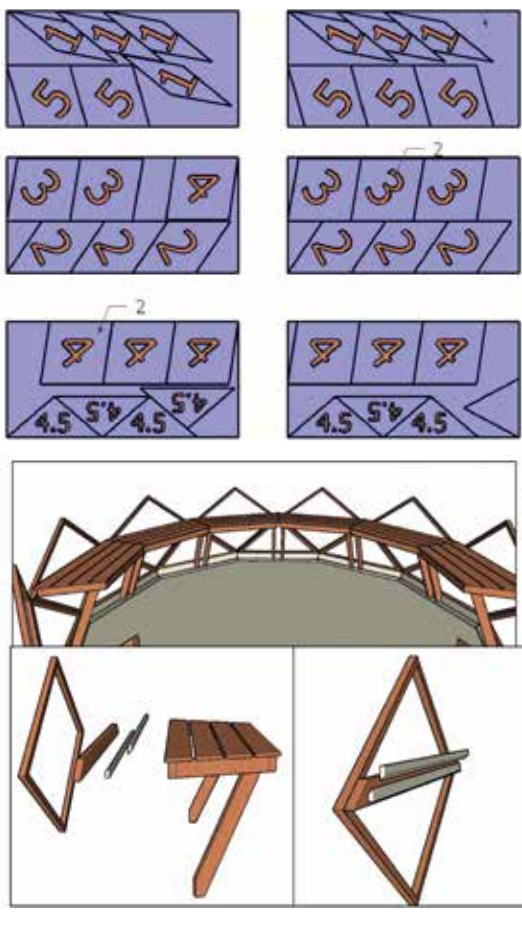
Part 1, Woodworking Focus: Sept 24 - 28

We begin our build with a stack of full length lumber. Over the course of the weekend, we will cut it all down to the right dimensions and angles. By the end of our first session, we will have assembled all the pieces into zome frames! This will involve using a miter saw, table saw, measuring tape, digital angle finder, clamps, drills and impact drivers, and more! Precision will be important for every step of this process given the mathematical nature of the zome structure. So, we will be taking our time and focussing on how to be accurate with our measurements, cutting, and assembly. After we get through building our zome frames, we will also begin to cut the polycarbonate material used to cover the zome frames.



Part 2, Assembling the Structure: October 1-5

In the second part of the workshop we will be completing the prefabrication portion of the zome build and assembling all the completed pieces together to build the Zome greenhouse! We will also get to do a small carpentry project and build shelves for the mini zome already on the property. Starting with our completed zome frames from the first session and sheets of polycarbonate greenhouse material, we will cut the polycarbonate to cover each of the panels, and assemble the covers onto the frames - completing the prefabrication. Next, we will get to transport our zome panels & tools to the build site. Students will learn about ground leveling and site preparation, and finally we will begin to assemble our prefabricated panels together into the Zome Greenhouse!



Tools

Miter Saw
Table Saw
Air Compressor
Brad Nailer
Clamps
Impact Driver
Drill
Digital Angle Finder
Countersink Bit
Measuring Tape
Speed Square
Straight Edge
Level
Circular Saw
Saw Horses
Generator

Skills

Safety
Shop Etiquette
Reading Build Plans
Setting up an efficient workflow
Measuring and Cutting wood
Measuring and Cutting Angles in wood
Stop Blocks & Jigs
Joining Wood
Cutting Polycarbonate Sheets
Leveling Ground for Site Preparation (2)
Assembling a Zome! (2)

Hardware

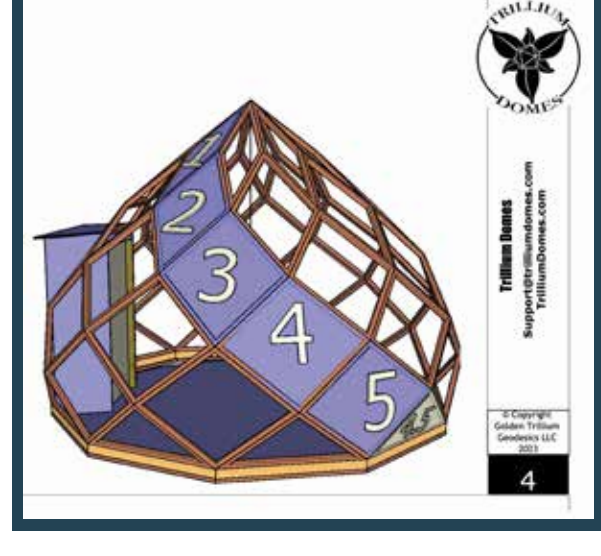
T-25 screws
Brad Nails
Roofing Screws

Materials

2x4, 2x6, & 2x10 lumber
Wood Sealer (1)
Polycarbonate



You will get the opportunity to add all of these tools, skills, & materials to your skillset through attending this workshop. Whether it's your first introduction or you're deepening your experience. Parts 1 and 2 will have different emphases on the tools and techniques, but most of the items on the list will cross over in both sessions. The numbers in parentheses are the items that will only be covered in one of the parts of the workshop.



Click on the links below to learn more about Zomes and see what we will be doing in our workshop!

[Geodesic Domes and Zomes - a quick start guide](#)

[How to Build a Zome Greenhouse](#)

BUILDER BABES

... *Workshop Schedule* ...

Part 1, Woodworking Focus: Sept 24 - 28

Thurs 9/24 - Arrival Day
Orientation & Settling In

Fri 9/25 - Sun 9/27

We will begin with a stack of lumber, cut it all down to the right measurements and angles, and assemble all the pieces into the zome panels! We will also begin the process of cutting and assembling the polycarbonate covers for the zome frames.

Mon 9/28 - Closing & Departure Day

Between Weekends
Tues 9/29 & Wed 9/30

Those attending both parts of the workshop and staying through the week are free to explore the surroundings: hot springs, Great Sand Dunes, hikes, relax at New Sky, or work remotely!



Part 2, Assembling the Structure: October 1-5

Thurs 10/1 - Arrival Day
Orientation & Settling In

Fri 10/2 - Sun 10/4

We will build shelves for New Sky's mini zome, complete the zome panel prefabrication, and finally build our Zome greenhouse!

Mon 10/5 - Closing & Departure Day