

# NATURAL SPACES DOMES

## OWNER BUILDER DOME SCHOOL

North Branch, Minnesota, USA June 10, 11, 12, 2022

### FRIDAY EVENING

- 3:00 --- 4:00 Meet in 45'/46' Forest Dome for intro to Natural Spaces Domes and the dome school.  
4:00 --- 4:45 Classmate introductions and Hors d'oeuvres – at The Bear Creek Dome.  
4:45 --- 5:30 A quick and visual explanation of dome geometry, frequency and truncation.  
5:30 --- 6:15 Tour of Shop Domes, Guest Dome, Forest Dome and new MinneDome  
6:15 --- 8:00 **DINNER and conversation at Bear Creek Dome, home of Tessa & Dennis**

### SATURDAY

- 8:30 -- 10:30 **Morning Session inside and outside our Dome Shops**  
Review of dome sizes & layout on site  
Inspect foundation, waterproofing, floor joist system & floor deck  
Erect dome riser walls (partial 36' high profile dome) and start strut erection.
- 10:30 --11:15 **BREAKFAST at Bear Creek Dome**
- 11:15 --- 2:45 **Mid-Morning session outside our Dome Shops**  
Erect Super-Wal dome strut system (partial 36' HP)  
Erect extension arches and discuss options  
Install exterior triangles on dome (partial 36' HP)  
Install skylight window and discuss skylight options
- 2:45 --- 3:30 **LUNCH at Bear Creek Dome**
- 3:30 --- 6:15 **Afternoon Session inside and outside our Dome Shops**  
Cut out and install Eco-Batt fiberglass insulation & vapor barrier  
Install tongue & groove interior panel  
Explanation of vapor barriers, insulation and climate zones.  
6:30 --- 9:00 Consultation sessions in Bear Creek Dome. Snacks & Drinks

### SUNDAY

- 8:30 -- 10:30 **Morning Session inside our 45' diameter Dome Shop**  
Layout, cutting & color-coding exterior triangles, cut out Super-Wal struts  
Drill holes and install Super-Lok metal sleeves on strut.  
Fabricate Super-Wal dome strut with vent notches
- 10:30 --11:15 **BREAKFAST at Bear Creek Dome**
- 11:15 ---2:00 **Mid-Morning Session inside and outside our Dome Shops & Dome Office**  
Install dome base ventilation skirt  
Discuss/install roofing options-with our professional roofer.  
Cut out interior triangle from 1x8 tongue & groove spruce  
Discuss and inspect vent cupola, view cupola, 2<sup>nd</sup> floor framing, etc.
- 2:00 --- 3:30 **LUNCH at Bear Creek Dome and GRADUATION**
- 3:30 --- 5:00 **Teaching Tour using 49' Diam. Bear Creek Dome**  
Inspect and review shallow frost protected permanent wood foundation,  
2<sup>nd</sup> floor systems, roofing, skylights, windows, extensions, view cupola, radiant floor heating, instantaneous hot water system, mini-split air conditioner system, etc.  
Learn about all the healthy "green building" aspects of this dome.
- 5:30 --- 7:30 Consultation sessions in Bear Creek Dome. Snacks & Drinks  
Private consultation sessions with Dennis can be scheduled for Monday morning.