

# dome geometry

Our competition has a somewhat repetitive view of the dome. It seems to be based on their viewing the dome as an object to be manufactured. They want to keep the dome simple - for them that is.

When they build different dome sizes they simply change the strut and panel lengths proportionally. So, a 26' diam. has 5 1/2' maximum edge lengths and their 46' diam has over 10' maximum edge lengths.

They claim that by repetition of angles they can keep the cost down.

Then how come a Natural Spaces dome is cheaper?!

Why do we think their view is wrong and what do we do about it?

First of all, can you imagine lifting or dealing with a triangle having sides 10' or greater?

On the other hand, the dome with triangles of 5 1/2' or less on a side would be a breeze. But what about its efficiency in using materials?

Natural Spaces designs domes for people who build domes. We feel that every part should be able to be lifted and handled reasonably by people - after all, they are the ones building. When the edge lengths go beyond 8'-9', struts and panels get hard to handle.

What did we do about it? We changed the mathematics of the dome when we changed sizes. No matter if you are building a 26' diam. dome or a 74' diam. dome - the strut/panel sizes are about the same. This makes handling a lot more human.

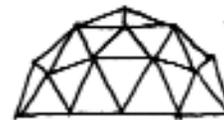
It also looks better. Our larger size domes are not as clunky looking - they're more spherical. They have a better scale and proportion to humans.

Now, the competition can argue that their large dome has fewer parts - but what would you rather have? An aching back or a nice looking, easily erectable dome?

## THEIR DOMES



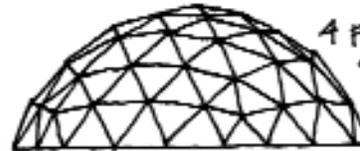
## NATURAL SPACES DOMES :



2 FREQUENCY SERIES  
20' - 29' DIAMETER  
MID PROFILE



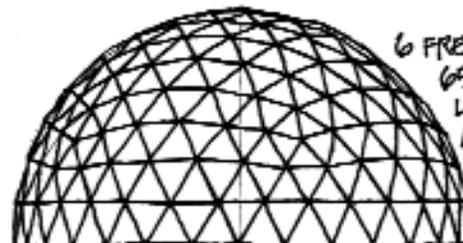
3 FREQUENCY SERIES  
30' - 40' DIAMETER  
LOW PROFILE (SHOWN)  
HIGH PROFILE



4 FREQUENCY SERIES  
42' - 51' DIAMETER  
LOW PROFILE (SHOWN)  
MID PROFILE



5 FREQUENCY SERIES  
52' - 60' DIAMETER  
LOW PROFILE  
MID PROFILE (SHOWN)



6 FREQUENCY SERIES  
65' - 80' DIAMETER  
LOW PROFILE  
MID PROFILE (SHOWN)

# construction manual

If you're going to put up your dome, you need help and lots of it. After all, when was the last time you put up one?

That's why Natural Spaces decided to put 28 years of dome building experience into a construction manual. We didn't want you to be alone.

This is not your ordinary \$5 booklet that shows you how the dome shell goes up. We're talking heavy-duty construction manual - currently 350 pages with 600 photos covering the building of a Natural Spaces dome. We also include several standard building booklets covering such things as plumbing, electrical, ventilation, and lumber building basics.

We have added an hour-long video showing our Beach Dome being built - risers, framework, panels, view cupola skylight, extensions, wall framing, upper floor framing, skylight installation, and other items.

We try to show building sequences clearly with lots of pictures and details.

Our Natural Spaces construction manual is designed for the novice owner-builder. There are also sections on cutting your own dome kit: how to make risers, Super-Wal struts, the exterior and interior triangle panels, vent cupola, view cupola/skylight and extension arches.

As new products come out or as our customers report their use of a new product or procedure, we update our construction manual. We also include related product literature, trying to feature items that are environmentally sane and safe.

If you have questions while you're building, you'll have our phone number. We'll be around - we expect to be building domes for a long, long time.

You get our construction manual when you purchase a dome. You can also get it before you get your dome. The construction manual is our way of standing by your side in your hours of need.

