


Materially Speaking



THIOKOL CORPORATION
No. 24

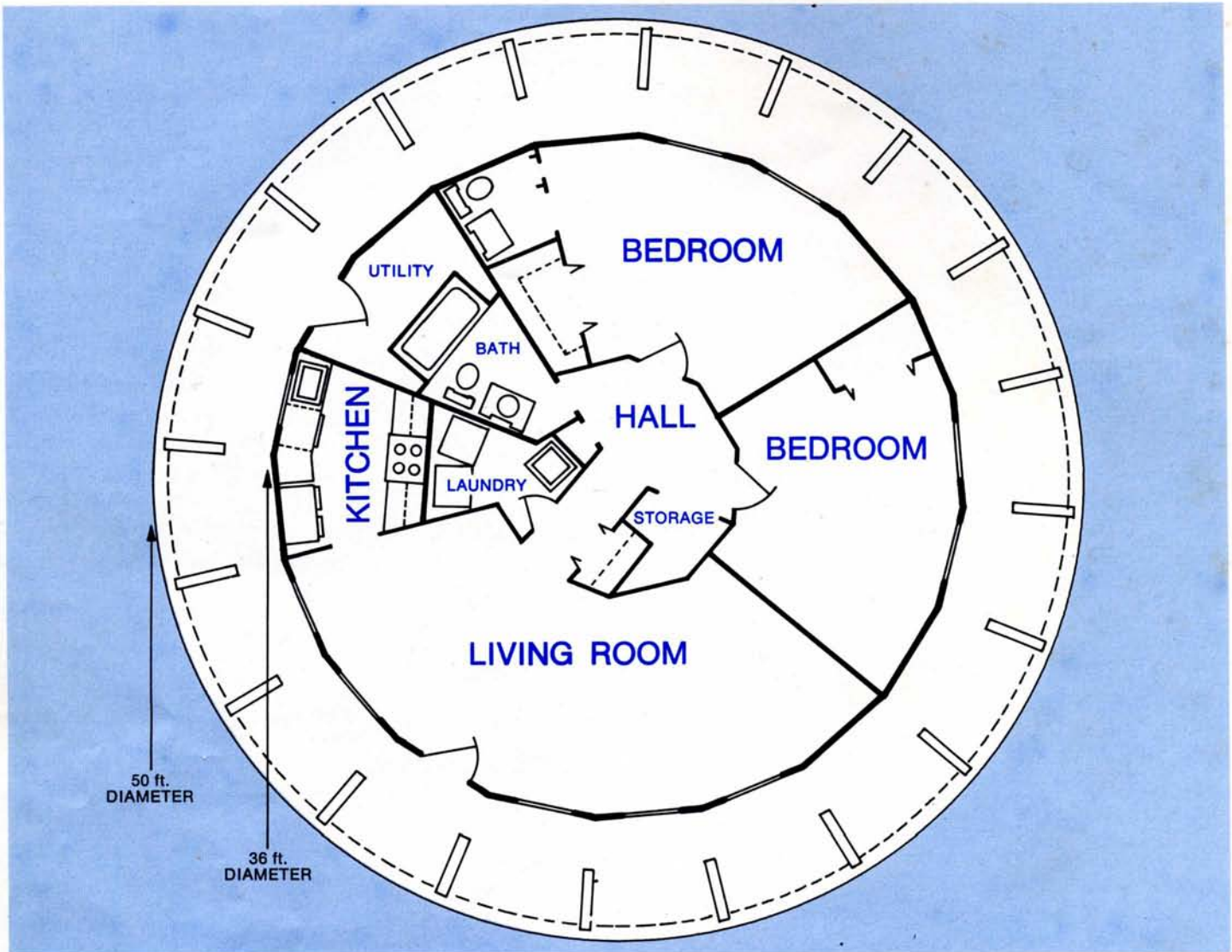




man is not angular,
he has no corners. There are
no cubes in his natural surround-
ings. Why then must he live in one?

With these thoughts in mind, Mr. Joseph D. Yacaboni, President of Yaca-Domes, Inc. of Lake Placid, Florida, set out to correct what he saw to be a most unnatural way of living. After all, the circle represents a more efficient use of space than the square or the rectangle. The cylinder and sphere represent a more efficient use of space than the cube. Wouldn't it follow that this same efficiency would be carried over if these principles were applied to home design.

**there are no squares
in nature...**



One of the almost infinite variety of room layouts that can be used in the Yaca-Dome is shown above. Because there are no bearing walls, partitions can be placed where desired, or even eliminated.

It was almost eight years ago that Joseph Yacaboni and his wife, Carmel, set out to design a distinctive home that would, first and foremost, be of superior quality. They wanted a structure that would be able to resist the effects of wind and rain, would not be affected by environmental extremes, would be flexible enough to resist earthquakes, and yet be an attractive and livable home.

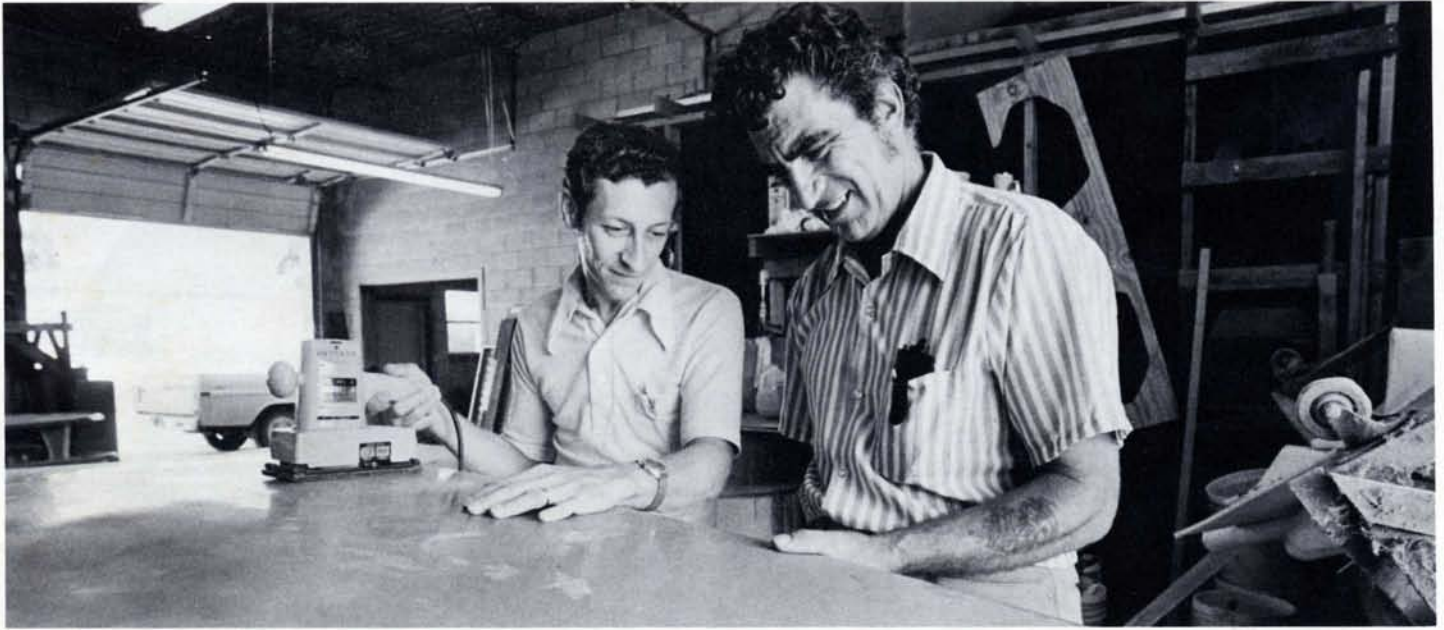
In addition to being beautiful, the structure would also have to be practical. Ideally, it would be maintenance free. Also, the home would have to be suitable for the mountains and the shore, the cold climates of the North, as well as the Southern Sun.

The design parameters that Joseph Yacaboni set for his new home design were, indeed, tough . . . but not insurmountable. Starting out in Western Pennsylvania, Mr. Yacaboni experimented with various designs and

materials. These led to the development and construction of prototypes and, after four years, to the Yaca-Dome.

The design proved itself. It was well suited for the climate of Western Pennsylvania; however, after several trips through the South, Joe and his wife had decided that they wanted to live in the growing community of Lake Placid, a town in central Florida about 40 miles (64.4 km) south of Cypress Gardens and a few miles south of Sebring.

The first Yaca-Dome was built as a combination home, office and showroom. In a very short time, the unique structure began to attract the attention of the curious, the inquisitive and also from the serious home buyer. More importantly, it attracted the favorable attention of a local bank, The First Bank of Lake Placid, which agreed to provide mortgage funds for the Yaca-Dome Homes.



The major attraction of the Yaca-Dome concept is the simplicity of the design. Probably the last reason one would ever purchase the home is because it is beautifully different. Mr. Yacoboni lists a variety of reasons why the Yaca-Dome will suit a family's living needs far better than a conventional square or rectangular structure.

1. The Yaca-Dome provides much more interior space than a conventional square house with the same amount of floor space.
2. The Yaca-Dome's spherical steel structure makes it stronger and more resistant to all home destroyers — from hurricanes to household pests, termites to tornadoes.
3. Interior rooms can be added or rearranged simply by moving interior wall panels — without any effect on the strength of the home.
4. An interior second floor providing 240 or more square feet of floor space (in the standard model) can be added with no major structural changes.
5. Spherical construction allows for as many as 20 windows around your dome. Yaca-Dome's round windows are also stronger than ordinary square or rectangular windows.
6. Urethane insulation provides maximum protection from heat and cold. Dome shape makes temperature control more efficient.
7. If you decide to move, you can take your Yaca-Dome with you. Yaca-Dome's pre-fab construction makes moving easy, and your home will meet building codes anywhere.

Top: Mr. Yacoboni inspects the fiberglass panels used in the Yaca-Dome during their fabrication. Below: Joseph Yacoboni and his son layout the steel supports which will be lifted into place. A nearly completed Yaca-Dome is in the background.



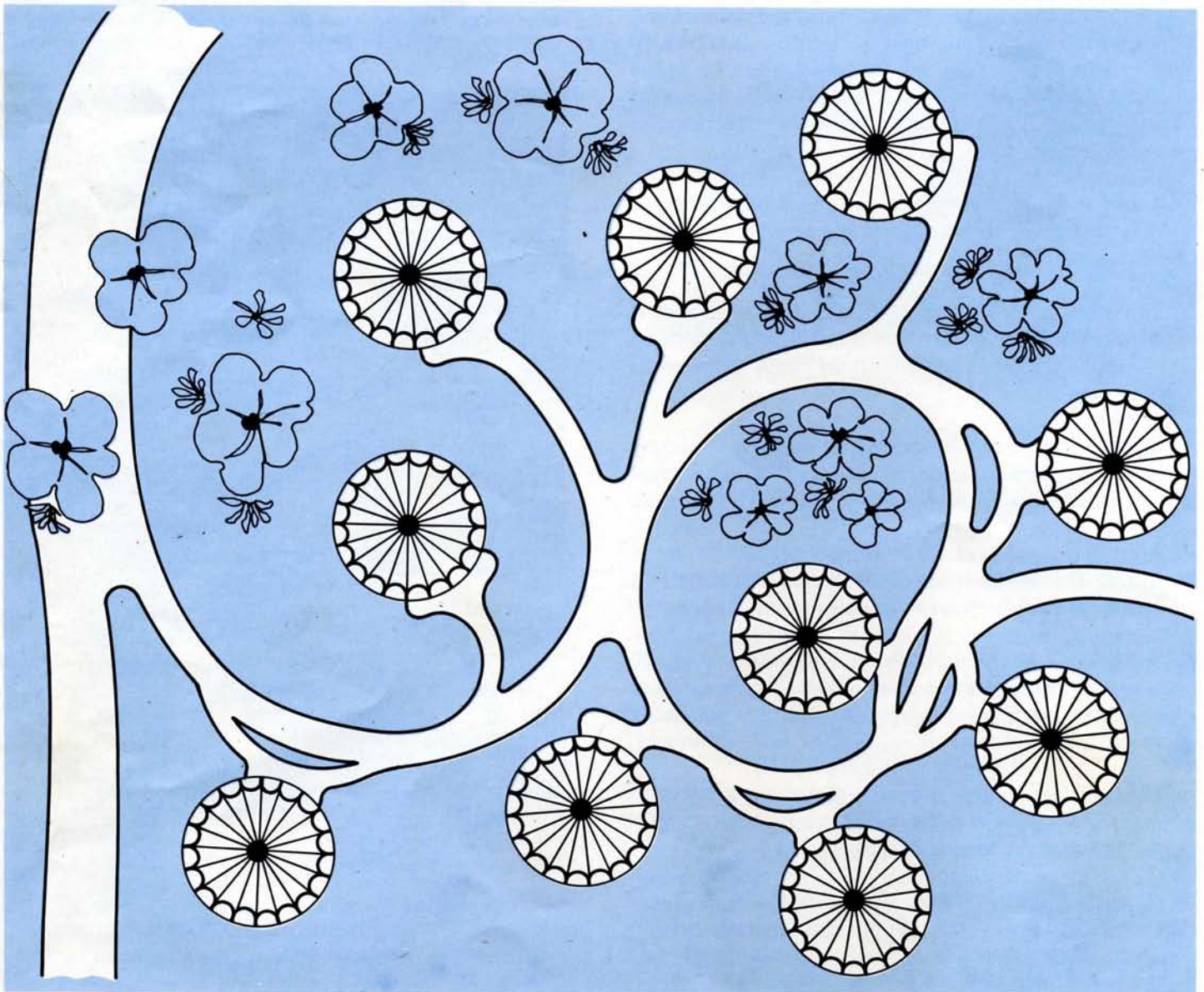
Building a business, especially one involving the building trades, involves a lot of time, a tremendous amount of effort and even more money. With an overabundance of the first two necessities, Joe Yacaboni now had the third ingredient necessary to build his community of Yaca-Dome homes. Four homes are now completed with more in the planning stages. Orders have been placed for the construction of Yaca-Dome homes in Fort Myers, a community on the West Coast of Florida.

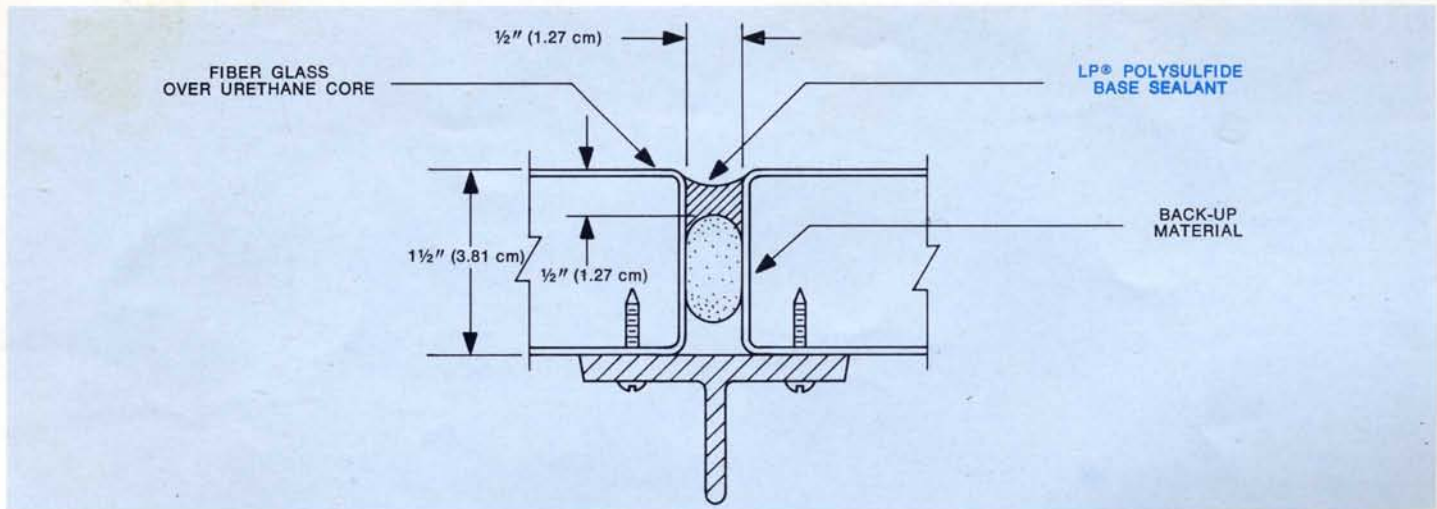
The simplicity of the Yaca-Dome design readily lends itself to franchising. Before long, Yaca-Dome communities will be appearing in various other counties in Florida plus other parts of the country. Suburban communities outside of Washington, D. C., and Pittsburgh, Pennsylvania, may well be seeing Yaca-Dome communities in the near future.

In addition to being a very clean, simple design in which to live, the Yaca-Domes are easy to construct also. The structure has twenty structural Tee's that connect to a center hub on the ground. A boom is then used to lift the center hub. In doing so, the pieces fall into position. Within six hours, a three man crew can have the steel frame assembled.

Fiberglass roof panels are then placed on the frame. These panels are of fiberglass, laminated to a urethane core that provides excellent insulative qualities.

A Yaca-Dome community could be planned in such a manner as to slow traffic as well as provide a natural, private setting for each home.





Top left: Fiberglass panels are coated prior to installation. Left and above: Mr. Yacaboni's son installs a Tested and Approved Sealant manufactured by DAP, Inc.



Top left: If desired, a loft can be added to provide additional rooms. Top right: Interior views of a completed Yaca-Dome home. Below: Joseph Yacaboni looks out of the window of a dream come true, a growing community of Yaca-Dome homes.

The layout of a Yaca-Dome is limited only by the imagination. The homeowner can have one, two or even five bedrooms arranged on one floor, or in a second floor loft. The Yaca-Dome can be placed on a concrete slab; on piers over an indoor-outdoor pool, for example; or on an existing roof top for a more distinctive penthouse.

Imagine the convenience of changing walls at will. In that there are no bearing walls in a Yaca-Dome, it would be very easy to build a Japanese style home with sliding and folding walls. Imagine the convenience of a circular kitchen in the center of the home with living areas radiating from the center.

