

# *Oregon Dome, Inc.*





*Linda, Roger, Carie and Wills enjoy Oregon Dome Living. 50 foot diameter dome on two-foot riser-wall with four-foot porch extensions.*



*We welcome you to experience the collaboration of designers and manufacturing workers to create superior panelized products and designs.*

Our understanding of design, manufacturing and on-site construction puts us well ahead of the industry in design flexibility, product quality and support/educational materials to assist your understanding of the entire building process.

Oregon Dome recognizes that building today is a complex undertaking. Our experienced staff works closely with each client to design and plan a creative and practical dome to suit your needs and desires. We encourage you to shop the industry and compare! We are sure that you will find Oregon Dome Living a wonderful experience and an excellent investment.

### **Building Homes for Families, Business and Worship**

Thank you for considering the services and products offered by Oregon Dome, Inc. We appreciate this opportunity to introduce you to our innovative products, effective services and qualified, caring staff who will work with you to plan and implement today's best housing value—the geodesic dome.

Oregon Domes are praised for their energy efficiency, suitability to today's lifestyles and adaptability to every region's climate. An Oregon Dome home is a beautiful addition to any neighborhood. Our commercial buildings and churches attract ongoing public interest and awareness by their unique and practical designs.

Oregon Dome's experienced design team assists clients in planning and building their dome homes. Our design work has been featured in many publications and has received national awards, creating marketplace acceptance.

### **The Oregon Dome Story**

Interested in a living and working environment that is flexible, energy efficient and spacious. Roger Boothe, founder, chose to develop the beautiful, affordable geodesic dome. Since 1975 we've assisted clients with an easy to build, quality building system that appreciates in value. We are proud of a heritage based on the ideas of R. Buckminster Fuller, the visionary and promoter of conscious living.

Oregon Dome is a vibrant, family owned and operated company. Linda Boothe directs the team that provides a straightforward approach to assisting clients during the planning, designing and building phases. Linda has served as president of the National Dome Council. She has also served on the Board of Trustees of the Building Systems Council, part of the National Association of Home Builders.

We successfully work with lenders, appraisers, secondary mortgage market underwriters

and insurance company representatives to gain construction financing and long-term mortgages for projects that comply with national model building and energy codes.

### **Implementing Technology**

To keep pace with an expanding product line and to streamline the drafting process, we utilize a computer-aided design and drafting program on a Linux system. With Oregon Dome's experience, talent and technology, we turn our clients' ideas into practical reality.

Our experienced designers provide structurally sound, functional, architectural drawings of the highest quality and accuracy. Clients also benefit from being able to use hundreds of stock plans which we modify to fit the individual site.

This unique Oregon Dome design service benefits our clients by offering more than a preselected, packaged "look" for your project. We recommend that you investigate this very special service developed from years of experience. We are confident that no other design service or dome manufacturer can deliver the value, the talent or the quality achieved with this terrific combination of people and technology.

### **Geographic Considerations**

Our company has built thousands of dome homes, each meeting the desires of families and groups as well as geographical demands.

Our homes and commercial structures have withstood sizable earthquakes in Alaska and California, tornadoes in many parts of the Midwest and hurricanes in the South and in Hawaii. Even heavy winter

storms with winds of 100 mph in the Northeast and the impact of falling Douglas Fir trees on domes in the Pacific Northwest have proved the domes to be well engineered and of superior design.

Clients provide us with the wind speed, snow load and soil-bearing capacity of the location of their projects. We design and build the foundation and structure to meet or exceed the applicable codes. When excessive wind (over 120 mph) or snow loads (over 200 lbs.) exist, we use special engineering and installation instructions.

We arrange for additional engineering and state energy calculations when required.

### **Panelized Components**

Oregon Dome uses panelized components to improve the final product and make domes and accessories more affordable and easier to assemble and finish. We build your products in a factory controlled manufacturing environment instead of on-site. What Henry Ford did for auto production geodesic panels do for house construction.

A close examination of our products demonstrates our concern for detail and, more importantly, ease of subsequent construction phases. Standard Oregon Dome details like countersunk bolt holes, drywall backing, freeze blocking and insulated wall bucks are not included with kits from other dome manufacturers. Our "face-cut" panels provide a perimeter strut for each triangular space frame, which makes drywall or other interior finishing a



*Three bedroom, three bath home. 35 foot diameter dome on five-foot riser-wall on lower level with tuck under garage. From 2000 to 2400 square feet, including 400 square foot garage.*



*Panels, drilled and ready to install. Workers set the wall top, part of the exterior wall kit for a 35 foot diameter dome on a five-foot riser wall. Clients select their windows and exterior doors locally, providing the rough openings for us to draw and frame. All panels are loaded by hand at ODI, you and three others unload.*



*Roger Boothe, Dome Raising Supervisor, raised a 30 foot diameter dome on a four-foot riser-wall with rectangular shaped PVR in a day with an all volunteer crew. Roofers arrived the next day to install the roofing in four days.*



*45 and 50 foot diameter domes are popular and the best home values available today. The loft in these 3/8 sphere domes are bedroom(s), bath or study. When a lower level for garage, recreation, storage, and living space is planned, a 3,300-5,000 square-foot home is possible.*

2-1/2 bath, 50 foot diameter home in Veneta, Oregon.

### **Award Winning Designs**

Economic conditions present challenges we overcome by product refinement, diversification and a commitment to serve our clients. One example was our low profile 45 foot diameter dome, which we call the Pioneer, a 1847 square-foot quality built home. It can be contractor built in two to three months for an affordable price. We also developed a zoned floor plan style that created more right-angle framing. Kitchens and baths were planned for the same areas of the home, using standard cabinets. We use hollow-core or 2 x 6 common plumbing walls, that lowered plumbing and electrical costs and provided sound insulation between the sleeping and more active areas of the home.

simple task compared to hard-to-finish hub-and-strut domes having only one strut dividing two triangular planes.

Oregon Dome introduced "face-cut" struts, sloped canopies, sloped dormers and sloped extensions to the dome industry. This first round of improvements did much to lower the on-site costs of framing, siding and roofing dome homes. The improvements please builders who recognize the many benefits of our product.

Exterior wall components were introduced, making it possible to raise a dome and the exterior walls in just one day. A completely framed and sheathed exterior structure is ready the following day for roofing felt, windows and doors, creating a weathertight and secure building.

### **Client Service**

From the beginning, we included dome raising supervision in our competitive kit prices. This service has created an enjoyable tradition that allows our clients to share a special day with family and friends, secure in the knowledge that an experienced representative is on hand.

News of this efficient housing value quickly spread, which led to an introduction to the Senior Building Editor of *Better Homes and Gardens* magazine. Two years later, our company designed and assisted with the building of his personal residence in Des Moines, Iowa. This beautiful home was viewed across America in a June 1983 feature article in *Better Homes and Gardens*. An expanded version of the article also appeared in the Summer, 1984 edition of *Building Ideas*.

We welcome tours of our manufacturing facility and framed only 3 bedroom,

During that same year, the *Log Home and Alternative Housing Builder*, in its first national design contest, honored our Bandon, Oregon dealer with the first Award of Excellence for a residential dome. Oregon Dome also received the first Award of Excellence in the commercial dome division with a beautiful and cost-effective Pioneer style real estate office.

This award-winning accomplishment was repeated with a residential entry of our 50 foot diameter home located in Eugene, Oregon. The commercial entry winner was our 60 foot diameter office building in Eugene. Our winning track record continues with recent awards from *House Beautiful* and *Builder/Dealer Magazine*.

***Our Manual Provides Tips and Techniques***

Oregon Dome's *Guide to Construction Management* is a comprehensive management and dome-building manual. This guide, first published in 1983, contains valuable dome building techniques. Hundreds of quality illustrations and photographs take you through the entire specification and building process.

Many clients have told us how the *Guide to Construction Management* helped foundation, framing, roofing, insulation and drywall contractors to better understand how they can make the repetitive nature of geodesic symmetry work for them. By organizing the work of each phase, owner-builders and professional contractors can generate substantial labor and material savings while producing high-quality homes and other commercial buildings.

After deciding to build a dome, reading the material, written in a practical and straightforward



manner, helps one to make an evaluation of their organizational abilities, financial resources, available time and building skills. Understanding the complete project and preparing a realistic budget is the only way to ensure a successful home building experience.

*45 foot diameter dome featured in June, 1983 BETTER HOMES AND GARDENS Magazine.*



Whether you undertake the challenge or decide to turn the project over to a general contractor or builder, these construction and planning insights will generate substantial savings.



*Extension as porch/entry, dining room, 39 foot diameter dome on five-foot riser-wall, featured in 1,001 HOME IDEAS.*



## Building Stories

An article in *1,001 Home Ideas* described how our clients, Debbie Jackson, an interior designer, and her husband, Taylor Heidenhem, an engineer, worked together to build an exciting 39 foot diameter dome using five custom extensions.

In San Diego, Tom and Bonnie Boyle were owner-builders completing their 45 foot diameter dome home, featuring a cupola and full basement. Their story appeared in *Do It Yourself*, a Better Homes and Gardens publication. Tom's enthusiasm for dome living inspired a three dome home project they later sold.

## Commercial Buildings

Oregon Dome's hands-on commitment goes beyond our work with owner-builders and professional residential contractors. Oregon Dome products have increasingly been used for businesses, schools, and churches.

Geodesic construction at the commercial level is cost-effective, offering a highly visible structure to enhance any business location.

## Your Success Is Our Success

Our responsibility is to keep looking for better ways to turn R. Buckminster Fuller's concept into a living reality for families and business enterprises. The geodesic dome is an amazing building system, yielding excellent value and long-term investment.

All of us at Oregon Dome thank you for taking your valuable time to learn more about us, our services and our products. We are proud of the contributions we have made to the industry and

appreciate the support of our clients. We look forward to serving you and sharing a dome raising weekend with you.

*Criscenzo family prepares feast in their 45 foot diameter dome. Variety of kitchen configurations possible, often a peninsula yields functional space with adequate flow.*

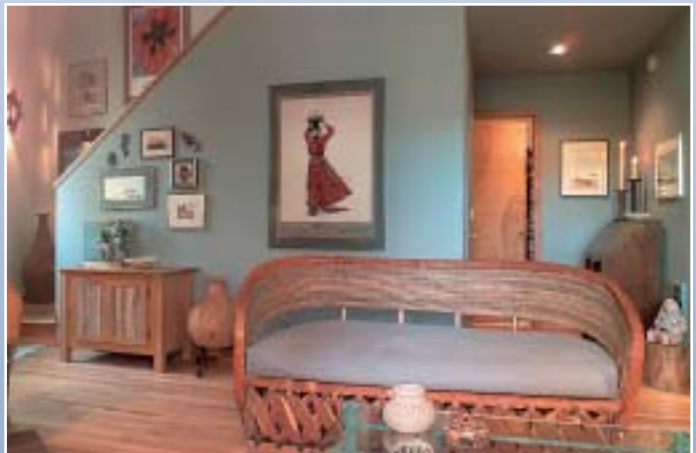


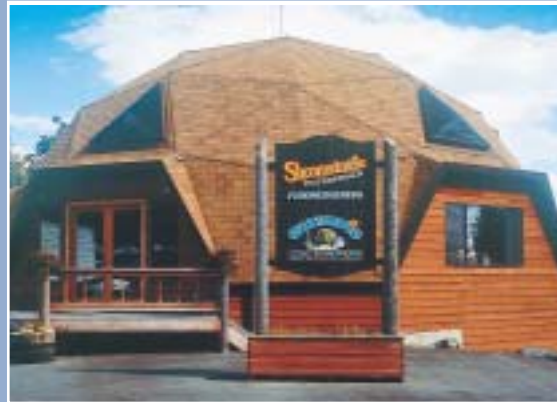
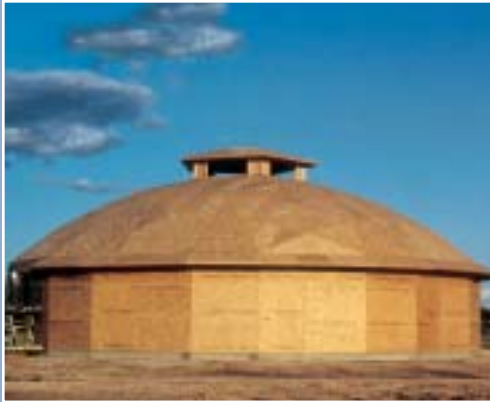
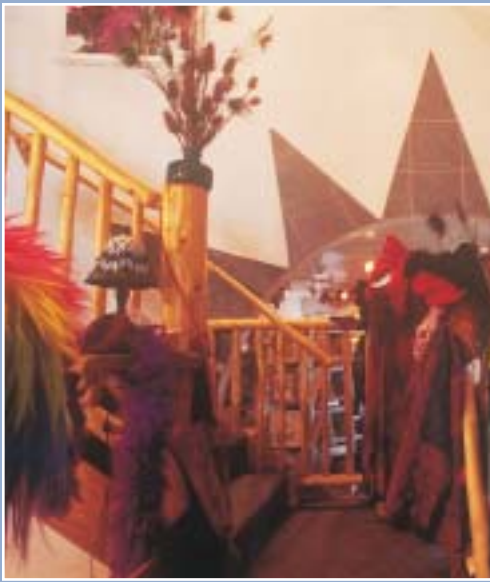
*Nearly adequate scaffold for raising a 50 foot diameter, 2 x 4 dome with six volunteers in one day. As many as twenty people are welcome to carry panels, move the scaffold and learn about geodesics.*



*This office, 60 foot diameter on Permanent Wood Foundation, received an Award of Excellence, BUILDER DEALER and was featured in PROFESSIONAL BUILDER.*







For more information:  
**INFORMATION SERIES**

- *Getting Land*
- *Costing*
- *Builders*
- *Lenders*
- *Church Package*

**OREGON DOME LIVING**  
\$10.00  
19 minute video

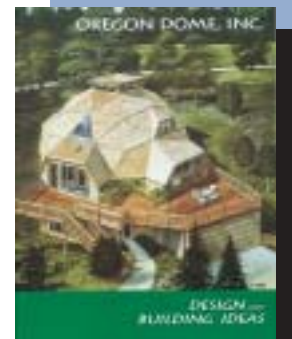


**GUIDE TO CONSTRUCTION MANAGEMENT**

\$42.95  
Lay-out through sheetrock

**CATALOG PACKAGE**

- *Design and Building Ideas, 40 pgs. color*
- *Planning Concepts, 60 pgs. plans*



**OREGON DOME, INC.**

25331 Jeans Road, Veneta, Oregon 97487  
Phone: (541) 935-5444 Fax: (541) 935-5812  
Email: oregon@domes.com Website: www.domes.com

©Oregon Dome, Inc. 1988 Reprinted September, 2003

Photography: David Bayles,  
Michael Dean, and Melinda Holden  
Graphic Design: QSL Print Communications, Inc.