

# Earth Power from Davis Caves!

Earth Powered Homes from Davis Caves sets the standard for excellence in earth sheltered design and construction. Each time-tested and people proven home is crafted from the finest materials available.

Some of the exciting designs being built across the country are illustrated here, or, if you prefer, custom home planning is available.

Once you have selected a plan that meets your needs, Davis caves will construct your state-of-the-art home. Adaptable to most terrain configurations, it will have strong, steel-reinforced concrete walls and roof, poured on the site to exacting commercial standards.

After application of waterproofing, insulation and drainage tile, the home is covered with a contoured blanket of at least three feet of earth. Your home now has Earth power!

The temperature moderating properties of the Earth enable you to heat your home only 10-15 degrees to comfortable during even the coldest winter. In addition to being cool in the summer, your Earth powered home will be storm and fire resistant, quiet and secure. It will require only minimal maintenance. The interior may be finished to your taste, whether traditional or contemporary.

If you are seeking a home that is efficient in its use of space and energy, and is built in harmony with the Earth, come to Davis Caves. We are the largest and most experienced builder of Earth sheltered homes.



**DAVIS CAVES**

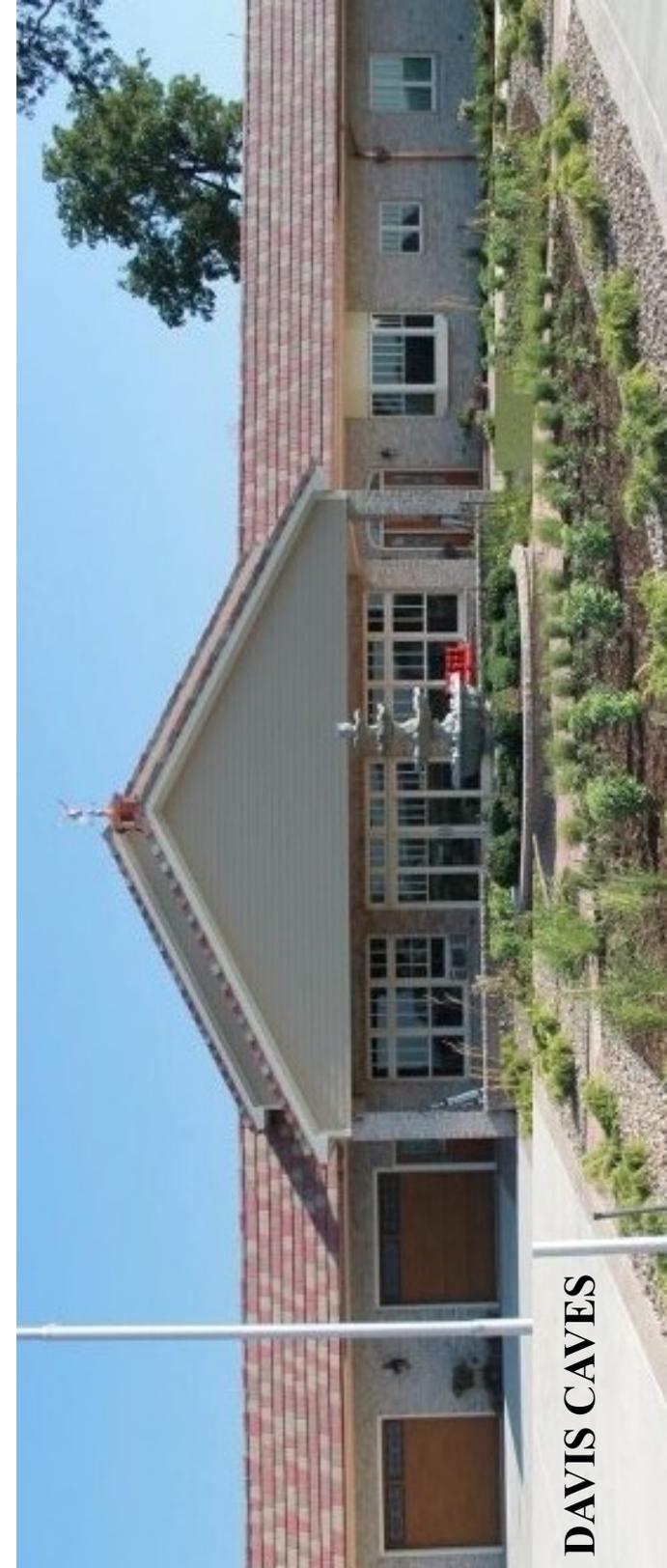
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DAVIS CAVES



## Visit our Model Home

(pictured above)

We will design and build to your specific floor plan or choose from our 90 page plan book!



The Davis Family built the first Davis Cave Earth sheltered home in 1976.

The energy crisis of the 1970's, resulting in Skyrocketing costs to heat and cool homes, created our business in 1977. Our Earth Sheltered Homes offer a year round energy savings of 50 to 80%, and a tremendous savings on maintenance costs. Creative floor plans and skylights (traditional and tubular) allow for an abundance of natural light.

The application for an Earth Sheltered building are endless. Even though the majority of our business is residential, the Earth Sheltered concept has been applied to many types of buildings, such as offices, veterinarian clinics and churches.



• THE TEMPERATURE OF THE EARTH AT THE 8 FOOT MARK IS A CONSTANT 58 DEGREES. THIS TEMPERATURE WILL VARY SLIGHTLY, DEPENDING ON AREA.

The Davis caves concept utilizes the energy of the Earth (Earth Power) to provide heating in the winter and cooling in the summer. For example: with an outside temperature of 10 degrees below zero, it would be necessary to raise the temperature in a conventional home 80 degrees to reach a comfortable 70 degree level. A Davis Caves Earth Sheltered home of the same size would require the temperature to be raised only 12 degrees to reach the same 70 degrees, regardless of how cold the outside temperature is.

• MINIMUM OF THREE FEET OF EARTH COVER

As opposed to an "Earth Bermed" house (with a conventional roof), our reinforced concrete ceiling, coupled with Earth on top (Earth cover), provides safety from storms, tornadoes and fire. Our Earth covered roof also eliminates maintenance, such as cleaning gutters, re-painting, re-shingling, etc.

• REINFORCED CONCRETE SHELL

Our ceiling and load-bearing walls are poured-in-place concrete, heavily reinforced with re-bar. The interior may be finished to your taste, whether it be traditional or contemporary.

• AIR CIRCULATION SYSTEM

Our "fresh air" circulation system removes concern for radon gas, etc.

• THE HOME IS PROPERLY INSULATED

Our method controls the transfer of heat and cooling Properties of the Earth and concrete. The proper placement of styrofoam insulation is vital to the process. We recommend extruded polystyrene insulation.

• DRAINAGE TILE

The tile is placed on, around, and beneath the structure. If any water should reach the structure, the tile will carry it from the building. Davis Caves does not build below the water table.

• WATERPROOFING

Bentonite is used to repel any/all water that may reach the structure. This sealer is used because of its proven record of dependability and its superior water-repellent qualities.



*With windows and skylights, every room can be bathed in sunlight.*



We invite you to attend our Annual Earth Fest Celebration! Spend the night at an Earth Sheltered Bed & Breakfast! Check out our website for details.