

Our home was custom built with a very specific focus, create a livable, sustainable environment without any external grid power. Because we chose North Florida, we wanted to build a home with the capacity to remain cooler against a brutal summer season. Our home is the perfect mix of underground insulation while allowing natural sunlight to enter; the earth's surface is the very best heat insulator available. Our initial focus was to recreate the temperature dynamics from that of a typical basement, we wanted a cool, dry room.

We started with Insulated Concrete Forms (ICF) and poured a 40 by 60 concrete floor poured 4 inches thick. This concrete floor was later stained to a deep tan beautiful color that will not disappoint you. This concrete floor was also deliberately built 10 feet below the earth's surface, where the earth's temperature is approximately 70 degrees Fahrenheit. This is called Geothermal heating and cooling. We installed a 10-inch pipe and circled the house at 8 feet below the surface and then installed fans to recirculate the air inside the house. Essentially, we have installed an earth heating and cooling system.

The ICF walls are 8 inches thick and were filled in using poured concrete. We used rebar inside the walls to ensure ultimate strength and insulation. The exterior was heavily coated with tar and plastic wrapping to ensure an absolute water barrier. The interior floor to ceiling is approximately 10 feet high, with an additional 4 feet of crawl space housing a commercially built series of heavy duty steel truss. This truss system was purposely built to hold a four-inch poured concrete roof with white thermoelastic insulated paint and finally capped with white sheet metal. This roof is thick, heavy and super insulated against the Florida weather.

Our home is powered by two massive sets of Absorbed Glass Matt (AGM) battery banks, each set is 16 batteries and may run separately or together depending on your needs. The only power that hits our home comes directly from this power source. We provide our own power, all the time. We also have our own source of water from two independent wells, 80 feet deep. All of our electricity is generated from three sources, we have a small 60 amp RV power pole, we have 16 brand new (2022) solar panels and we have a 10k generator powered via propane. All three energy sources can separately provide energy to our battery bank and we installed a Magnum (the very best) inverter to control the power supply and regulate the energy.

The house has two wells supplying water, one for traditional water use, and the second feeds a commercially installed fire suppression system. Both wells sit at 80 feet deep and powered by 110v. The water suppression system is designed to automatically activate in the event the system senses fire and provide access to our front door. We built a third source of water to our home using a rain catch system with a thousand gallon water tank plumbed into our main water line. The water is gravity fed and the pressure is boosted using a solar powered in line water pump.

The last source for water is our half acre, natural spring fed pond. We have stocked this pond with an endless amount of common sport fish, Bass, Bluegill, Catfish to include Koi. The pond is approximately 10 feet deep and fluctuates with the Suwannee River. The pond was

purposefully built in 1900, and is approximately 50 feet deep. Its was designed originally as a rock quarry and has a vehicle access slope to reach the waters edge.

Built above the pond and into the earth's slope, we have installed three full size shipping containers (8 by 40) and we use them for underground storage. These containers are currently filled with any camping supplies necessary for survival. We have stored multiple years of food, dehydrated, with enough calories to keep any family alive for at least one full year. Longer, if you are careful and off set your consumption with a garden or livestock. Also, we have built a covered patio and installed a second water catch system. This second water catch is plumbed to an outdoor shower and sink for additional survivability if necessary. An outhouse was built here using a compost design for human waste usage.

We are currently raising American Guinea Hogs, Chickens, Fruit Trees, Grapes and vegetables on our farm. We have approximately two acres set aside for this activity; water has been plumbed to this location. We have enough animals to sustain their own livestock and we harvest them here on site. A harvest house has been built to clean and prepare the animals using a heavy-duty winch, capable of raising a 600-pound hog off the ground. We also rotate the pig pen with our vegetable garden ensuring the ground has an abundance of manure.

Last, we only recently installed a metal barn (40 by 30) that uses our solar power for lights and fans. The barn has a massive concrete pad and houses our miscellaneous fitness equipment for any free time you might have. The rollup barn doors face each other ensuring a nice, steady breeze provides some comfort while you exercise. And just outside the barn, we have a cleared 14 acres of land with a small arms range built to keep you in shape and tactically ready for any problems you might face.

Miscellaneous Notes:

22 Acres, RV Carport with 30amp plug, 2x 12 by 24 foot cabins, 4x 40 foot shipping containers, 2x 20 foot shipping containers, 2x water catch systems, fruit trees, grape vines, chicken coops, raised garden beds, pig pens, solar powered front gate, John Deere 44m Tractor, Commercial John Deere Zero Turn mower, irrigated garden, 2x Propane tanks, 2x Generators, hand pump well, 5x Bee Hives