



# WHY BUILD A P&D HOME?

OUR ENERGY EFFICIENT  
STANDARDS.  
EVERY HOME, EVERY TIME.

Our exclusive "SEAL-TIGHT" energy system is a complete program that produces the MOST Energy Efficient homes in the industry...and is STANDARD in every home we build!

- **2" x 6" Exterior Wall Construction with 100% wood sheathing** produces a more rigid wall structure. A stronger wall helps reduce drywall nail pops, cracks and future drywall maintenance issues, as well as a reduced likelihood of future cracks in stucco and potential moisture infiltration. In addition, a 2x6 wall structure produces a deeper wall cavity that yields a 53% increase in the amount of insulation inside the wall, directly reducing your heating & cooling costs.
- **High Density Blown Fiberglass Exterior Wall Insulation** combined with our 2x6 standard wall panel produces an R-24 wall assembly, thus slashing your energy costs significantly.
- **R38 Blown Fiberglass** Our "Seal Tight" system combines a number of sealing techniques and caulking procedures with an R-38 Blown Fiberglass attic blanket system to reduce the energy loss through the roof of your home.
- **Deluxe "Seal-Tight" Air Infiltration Package** - Highlights include sealing exterior walls to prevent air infiltration (by caulking, foaming and gluing the bottom plate to the subfloor). All drywall is glued to the top plate where unconditioned areas are above to reduce heat loss into the attic. All wall electrical penetrations are sealed. All can lights with unconditioned air space above have trim rings that are sealed to the ceiling.
- **95% High Efficient Furnaces & 16 SEER A/C units** deliver quiet, comfortable, energy efficient comfort for your home.
- **Our exclusive "SEAL-TIGHT" insulated duct system** produces a virtually air tight HVAC delivery system that allows the conditioned (Heated/cooled) air to reach the delivery point at a temperature as close as possible to optimal. Every HVAC duct is sealed with Duct-Ez, a product that eliminates leakage within our HVAC systems. No more having cool air blowing out of the register in the winter or having the furnace cycle on and off repeatedly trying to keep up with the thermostat. We have each and every home independently tested by an outside firm to ensure that our homes and their HVAC systems will operate as efficiently as possible.
- **Foundation Thermal Protection** - R-5 insulation panels are secured on the foundation walls thus greatly reducing the thermal loss at this critically, often neglected, area of your home. Concrete foundation walls have an R-Value of virtually zero! Yet most homes have very little to no functional insulation along the top 4 feet and the band board of the foundation. It has been estimated that as much as 40% of a home's thermal loss and gain is compromised in this critical area. Our "Seal tight" system produces a superior thermal break at this very vital area of your home.
- **Light Emitting Diode Bulb's (LED's)** - LED are bulbs are standard in all builder-provided can lights and light fixtures, thus greatly reducing your energy consumption and lowering your energy costs.

59 Greif Parkway  
Delaware, Ohio 43015  
740-201-8079



[www.pndbuilders.com](http://www.pndbuilders.com)

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**- Low-E Glass Coating and Argon Gas** reflect harmful UV rays that bleach fabrics, upholsteries draperies and carpet. It also reflects solar rays that cause heat gain thru the window. Argon gas is heavier than air and thus does not rise when heated. In windows without argon gas, there is a difference in the temperature between the inside and the outside. Thus, the warmer pane will heat up the air between the glass. Once heated, the air will rise and will begin to circulate between the glass. Air circulation between the glass panes causes a continual transfer of the temperature of the outer glass to the inside glass and vice-versa. Because Argon gas will not rotate, this transfer of heat and cold is greatly reduced, thus reducing the drastic temperature changes inside your home.

**- Energy Star Appliances** - Appliance allowances are based on ENERGY STAR rated appliance, thus reducing energy usage consumed by your appliances.

**- Whole House Sealant System** - This far superior “House Wrap” system provides a very tight air/moisture barrier virtually eliminating all air and water from penetrating into and through the exterior sheathing, windows, doors and other potential penetrations.

**- Programmable Digital Thermostats** – A programmable digital thermostats allow you to “set it & forget it” making controlling your comfort easy and efficient.

**- Continuous Run Bath Fan** – Because of all of the unique procedures performed in our “Seal-Tight” energy system our homes are now constructed so tightly, we must provide a special bath fan (typically in a ½ bath) that can be adjusted to operate continuously to provide just the proper air exchange to make your home as energy efficient as possible while maintaining a healthy, comfortable environment for your family. The continuous run fan operates at a low-volume and is an essential building component that is hardly noticeable.

**- Independent Third-Party Verified H.E.R.S. (Certification to be Energy Star 3.0 Qualified)** - We employ an independent third-party to test each and every home to determine the “as-built” H.E.R.S. (Home Energy Star Rating System) score and provide you with the final report.

