



Comfort...



CORBOND SPRAY FOAM INSULATION

Walls That Work



No Matter What

Corbond spray foam insulation is used for the entire building envelope. This high tech insulation dramatically reduces air infiltration compared to typical fiberglass, which in turn increases your comfort level while **greatly reducing your energy costs and enhancing sound attenuation**. Installing a high quality insulation is especially important when using a whole house air purifier. Without eliminating unwanted air infiltration your clean indoor air escapes through drafts and is exchanged for unfiltered outside air.



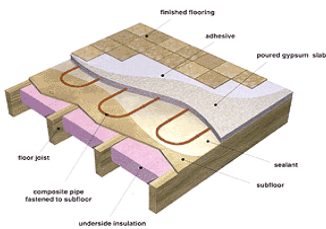
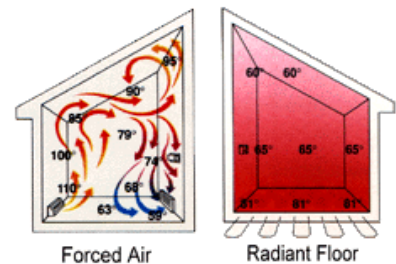
ADDITIONAL SOUND ATTENUATING MEASURES

Pella Thermopane windows used on street side feature Insulshield IG Laminate glazing for additional temperature and sound insulation from street noise. On the interior of the house sound proofing was added to all walls separating private sleeping areas, theater / screening room walls, baths and of course in all walls separating mechanical rooms from the living spaces. These systems along with thick solid core doors used throughout make for a noticeably quieter house.

RADIANT FLOOR HEATING BY WIRSBO



In the master bath and throughout the ground floor level we have installed a radiant floor heating system by Wirsbo which warms the flooring materials creating a very comfortable living space, especially when barefoot, because radiant heat stays down in the area that people occupy and not up around the ceiling or lost through drafts and to the outdoors when a door is opened.



How it Works: Beneath the flooring where this heating system is installed is a series of hollow tubes made of a high quality polyethylene with heated water circulating through them. The tubes are then covered with concrete and the selected flooring material. The areas with radiant heating are also “zoned” allowing you to set different temperatures in each zone or turn off the system in unoccupied rooms.

TWO STAGE GAS FORCED AIR FURNACE BY YORK



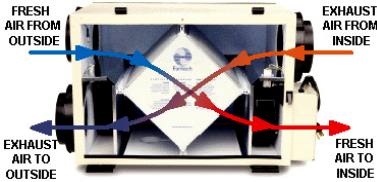
The main heating source for the house are two top of the line York Affinity 9.V Series high efficiency forced air gas furnaces, featuring York's two stage QuietDrive™ system. A two stage furnace has two levels of heat output: high for cold days and low for milder days. Because the low setting is usually adequate for maintaining the inside temperature of a house, a two stage furnace will run longer and provide more even heat distribution throughout the house. This is also a “zoned” heating system with a seven day programmable thermostat allowing you to adjust temperature by floor, change the temperature in one area of the house without affecting the others, adding to the efficiency of the overall HVAC system.

HONEYWELL ELECTROSTATIC AIR CLEANER



One of the largest concerns with home heating and air conditioning systems is poor indoor air quality. In order to insure that the air this home is as clean as possible we included a [Honeywell Electronic Air Cleaner](#). This air cleaning unit is built into the heating system and filters 98 percent of all pollutants from the air including: dust, smog, smoke, pet dander as well as larger mold and pollen particles. The technology is similar to the “ionic breeze” air purifiers sold in stores like the Sharper Image. Like those popular air purifiers you simply remove the filter and wash it in you dishwasher or sink.

FANTECH HEAT EXCHANGE VENTILATOR



The [FanTech](#) heat recovery ventilator takes the efficiency of the furnace one step further by removing stale air from the house and using the heat from this stale air to pre-warm fresh air before it reaches the furnace, giving the furnace less work to do and giving you better indoor air quality.



APRILAIRE HUMIDIFIER



It's become well known that a home with moisture feels warmer than a dry home, even at lower temperature settings. In order to make your home as comfortable as possible an [Aprilaire](#) brand whole house humidifier was installed into the heating system. Adding this humidifier unit is going to reduce dry throat and skin, static shocks, keeps furniture and your home from drying out and increases energy efficiency.

HOT WATER SERVICE

The hot water service in the main house is handled by two 50 gallon hot water heaters with recirculation lines. The recirculation lines are the key feature to this system, keeping the water in the pipes moving; resulting in faster hot water service from kitchen and bathroom fixtures anywhere in the house.

WHIRLPOOL TUB & STEAM / RAIN SHOWER

In the Master Bath you will find an oversized Pearl Whirlpool tub along with a stone tiled walk in steam / rain shower. With a steam shower you can let your body relax and purify itself in the rich moisture. Relieve muscle tension and joint fatigue. Reduce stress and cleanse skin impurities. The safe, soothing comfort of a steam bath makes the rest of the world simply fade away.

ISOKERN GAS FIREPLACES



In the Master suite, family room and living room we installed [Isokern](#) Vent free gas fireplaces with decorator log sets. These units do put out heat; they are high quality, efficient, look beautiful and are much cleaner than wood burning fireplaces. Because these units are vent free and do not require a chimney we were able to place them in areas conducive to the design bringing the intimate feel gained with an open flame fireplace into more areas of the house.