



WIDEFIELD HIGH SCHOOL BUILDING TRADES

CONSTRUCTION ZONE

UPDATE ON THE 2006-2007 STUDENT-BUILT HOUSE

DECEMBER 21, 2006

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SEASON'S GREETINGS!

Student House Features Radiant Floor Heat

This year's home will feature radiant floor heat throughout. Some benefits of radiant systems include:

- Silent operation. There's no hum or whistle of a forced air system.
- Inconspicuousness of the system you don't see vents or hear air blowing.
- Energy savings. Evenly distributed heat from a radiant floor heating system can allow the thermostat to be set two to four degrees less than in a forced air heating system. This can reduce energy costs by 10 to 40 percent.
- A healthier home. Forced air systems can spread dust, pollen, and germs.
- Also, radiant heat is less likely to dry out your breathing passages and skin.

Many radiant floor heating projects are in slab-on-grade concrete. Tubing is installed in the slab. Temperature-controlled water then circulates through the tubing in the slabs; this process turns the slab into a radiant panel. Concrete presents the greatest thermal mass of any of the radiant floor heating methods, which can be a tremendous benefit in rooms or buildings with high ceilings.

Radiant heating controls the rate at which a body loses heat by turning large surface areas (floor, walls, ceilings) into large, low temperature radiators. These surfaces surround a person with warmth. Radiant systems can keep your family cozy and comfortable and often increase the resale value of your home. "Radiant systems are very forgiving coupled with a concrete floor...It's a high-mass system, like hot rocks on a fire."

- Source: The Concrete Network



Peripheral drain and window wells are installed, basement walls are sealed, concrete slab is poured in the garage and basement, and work on walls continues.

SUPPORT PROVIDED BY:

Acosta Concrete, Inc.

Smelker Concrete Pumping



Radiant in-floor heat installed by Johnson Plumbing and Heating

FOR INFORMATION OR TO TOUR THE SITE, CONTACT DAN VOGEL 719-391-3134