

OPEN WEB FLOOR TRUSSES

WHAT ARE THE BENEFITS OF OPEN WEB FLOOR TRUSSES?

Open web truss joists allows for easier and faster mechanical systems installation. (plumbing, electrical, HVAC)

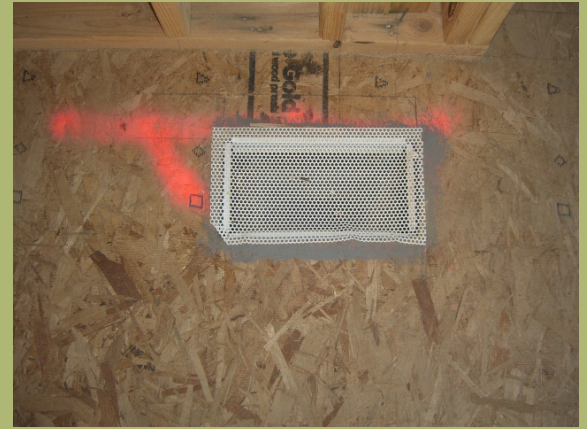
Mechanical systems are installed within the floors framing rather than hanging below, allowing all of the heat ducts to be run between the floors.

This eliminates ducting in the attic or crawlspace and saves energy by NOT pushing heated air into a cold crawl space in the winter or sending cool air into a hot attic in the summer.

The joists allow the heat ducts to be shorter and much more efficient. Any heat or cooling lost in the ductwork remains in the livable space. Plumbing lines are run straighter and shorter allowing less pipe to be installed resulting in hot water savings.



INSTALLING
DUCTS INTO
OPEN WEB
TRUSSES IN
FLOOR



COVERED DUCTS IN PROGRESS

Renaissance Homes was featured in an HVAC case study regarding open web-ducts you can find this, and the other case studies online at www.ductsinside.org.

Energy experts estimate that open web floor trusses can save significantly, up to 16 percent, on your monthly heating and cooling bills. Ductwork is designed as well as sealed to save energy. Testing is done by technicians to ensure tightness standards are met. Standard duct systems can lose up to 30 percent of every dollar of heating and cooling costs. By using mastic to seal all duct connections, conditioned air loss is reduced to less than 6 percent. Mastic-sealed ducting also reduces air contaminants from entering the ducting.

