



NOTICE TO CONTRACTORS

Please circulate this notice to your organization and your sub-contractors for their information.

Residential Energy Code – Sheet Metal Duct #11-1

9/16/11

Residential Green Building Standard was adopted August 1, 2009. As a requirement, the HVAC plenum at direct connection to the A/C equipment must be **sheet metal duct at the supply and return side**. No duct board at direct connection to the supply side or return of A/C equipment. However, **flexible air duct branch takeoffs** (run-outs) are allowed to be used direct to boots **from the sheet metal plenum trunkline**.

This notice is to inform you that this requirement shall be a item on future inspections and must be in compliance in new home construction.

The following is an excerpt from the Residential Green Building Standard.

ORDINANCE. 2011-1-13 **APPENDIX R** **Residential Green Building Standard**

Section R105. Indoor Air Quality.

The minimum standard for indoor air quality of single-family residential structures shall meet the following requirements:

1. **The main trunkline HVAC plenum in direct contact with heating and cooling equipment on the supply and return side must be constructed of sheet metal (no Duct board), or equivalent material approved by the Building Official.**
2. Heating and cooling equipment shall only be used during construction after manufacturer specified filter is installed. Used filters must be replaced with a new manufacturer recommended filter prior to the homeowner occupying the structure.
3. Every home must be tested (no batch testing allowed) by a Residential Energy Services Network (RESNET) HERS inspector/rater who is accredited through a RESNET approve HERS provider. The HERS provider must register with the City on an annual basis.
4. A minimum of one programmable thermostat is required on every story.
5. A return air path shall be provided for any room that can be closed off by a door (except for baths, kitchens, closets, pantries, mechanical rooms, and laundry rooms).
6. All joints in the destruction system including ducts, plenums, and equipment shall be sealed duct mastic.
7. Central vacuums, where provided, shall be vented outdoors.

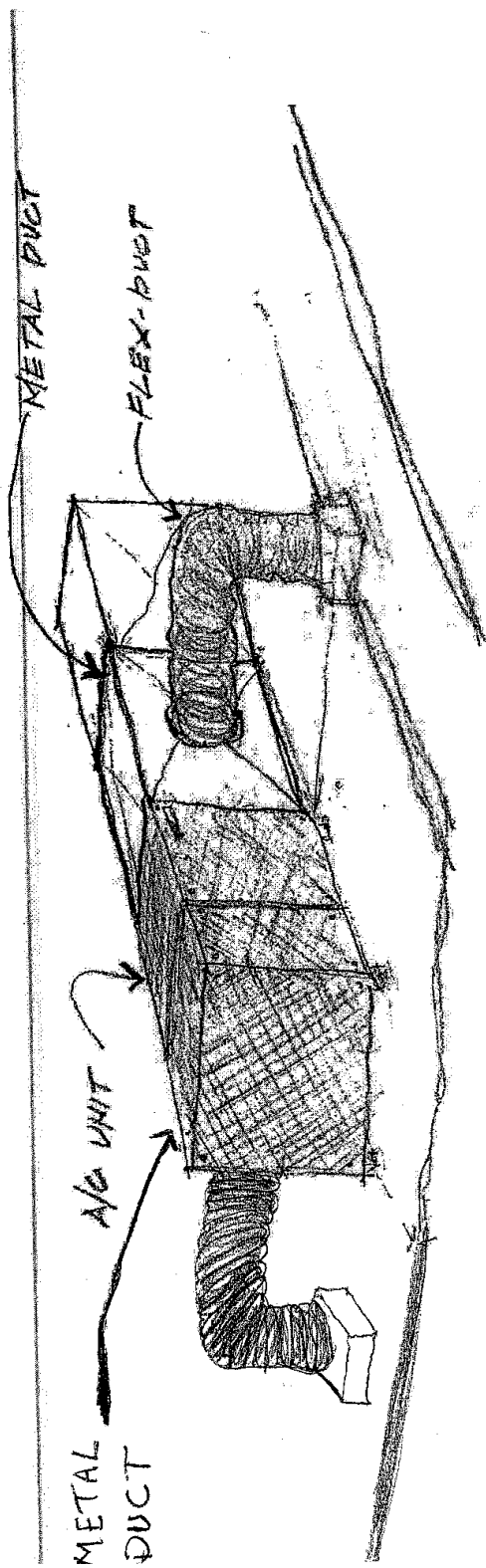
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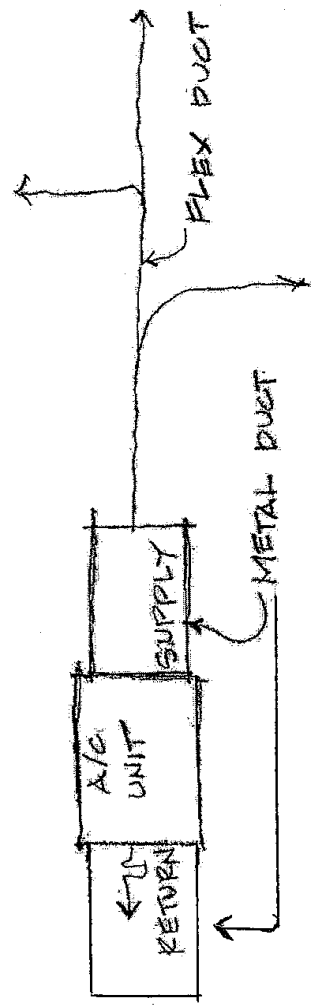
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DUCT SCHEMATIC



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