



Success with 2009 IECC in Georgia:
Checklists for Builders

HVAC INSTALLATION





JOB READY: HVAC INSTALLATION

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✓	✗	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Attic framing allows R-19 insulation under the attic platform when up to 32 square feet of attic decking per HVAC system is installed or when a maximum of a 32" wide platform to the HVAC system is installed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. For walls separating conditioned and unconditioned space, framing allows for the required R-value, has a top plate, bottom plate and an exterior air barrier. RECOMMENDED: rigid air barrier.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, wall cavities are insulated and an interior air barrier is installed. RECOMMENDED: rigid air barrier.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. All dropped ceilings/soffits, shafts and chases are capped with a rigid air barrier and air sealed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. All floor systems within the conditioned envelope have a band or blocking separating conditioned and unconditioned space.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Manual J load calculations or an equivalent method are accurate and complete for the dwelling unit.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Work site is clean and construction materials are properly stored before proceeding.

Builder Verification

✓	✗	
<input type="checkbox"/>	<input type="checkbox"/>	Stop work until details are corrected.
<input type="checkbox"/>	<input type="checkbox"/>	Proceed without corrections.

The intent of this form is to ensure job sites are ready before beginning work.

Signature

Date



JOB COMPLETE:

HVAC INSTALLATION

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✓	✗	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Seal all duct terminations to drywall and/or subfloor and all HVAC penetrations in the building envelope with foam, caulk or mastic. Use fire-rated sealants where applicable.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Seal all HVAC components at all joints, seams and corners.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Mechanically fasten all metal ductwork with screws. Attach the inner liner of flexible ducts with nylon/plastic straps and tighten with a manufacturer-approved tool.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Insulate all ducts outside of conditioned space to at least R-6 and supply ducts in attics to at least R-8.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Do not compress insulated flexible ducts more than the thickness of the insulation.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Support flexible duct (including spot ventilation) at least every 4 feet and do not bend greater than 90°.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Install outside air ventilation intakes at least 10 feet from any exhaust vent or stack.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Coordinate bath fan exhaust duct direction with electrical contractor.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. Terminate exhaust ventilation duct work to the outside and install a screen over the termination.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. For heat pumps, install a heat strip outdoor temperature lockout that prevents supplemental heat operation and set it to the balance point.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. For furnaces, install a programmable thermostat.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12. Install R-3 insulation around all HVAC system piping.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. Ensure work site is clean and construction materials are properly stored before proceeding.

The intent of this form is to ensure job sites are ready before beginning work.

Name _____

Company _____

Signature _____