



Success with 2009 IECC in Georgia: *Tech Tips for Builders*

FRAMING



Copyright ©2014 Advanced Energy. All Rights Reserved





TECH TIPS: FRAMING

Success with 2009 IECC in Georgia for Builders

2. Frame attic to allow R-19 insulation level 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.

INSUFFICIENT DEPTH



SUFFICIENT DEPTH

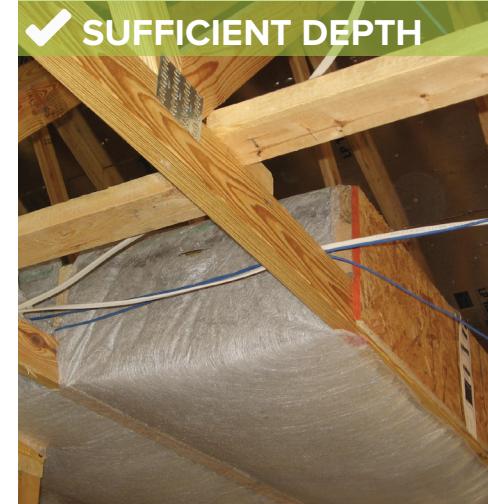


2. Frame attic to allow R-19 insulation level under the attic platform when up to 32 square feet of attic decking per HVAC system is installed or when a maximum of a 32" wide platform to the HVAC system is installed.

INSUFFICIENT DEPTH



SUFFICIENT DEPTH



3. Frame corners and headers to allow for insulation installation.

WRONG FRAMING

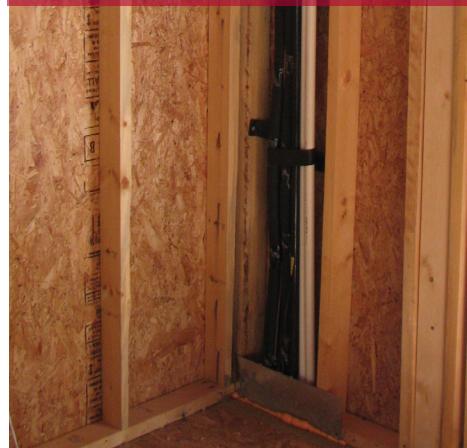


RIGHT FRAMING



3. Frame corners and headers to allow for insulation installation.

WRONG FRAMING



RIGHT FRAMING





TECH TIPS: FRAMING

Success with 2009 IECC in Georgia for Builders

3. Frame corners and headers to allow for insulation installation.

X WRONG FRAMING



✓ RIGHT FRAMING



4. For walls separating conditioned and unconditioned space, install framing that allows for the required R-value, has a top plate, bottom plate and an exterior air barrier. RECOMMENDED: rigid air barrier.

X NO PLATES

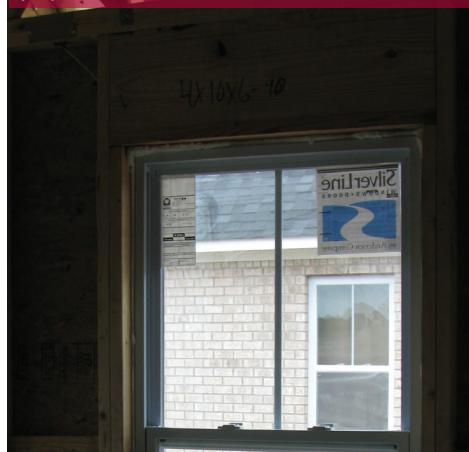


✓ TOP & BOTTOM



3. Frame corners and headers to allow for insulation installation.

X WRONG FRAMING

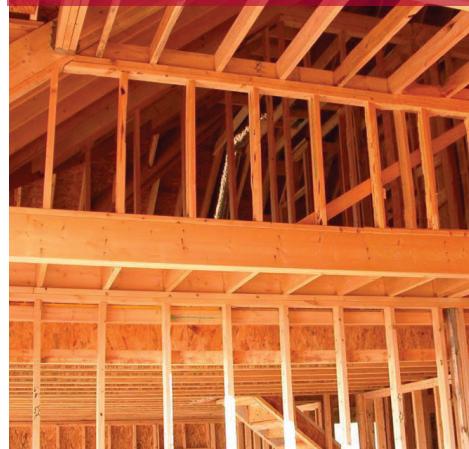


✓ RIGHT FRAMING



4. For walls separating conditioned and unconditioned space, install framing that allows for the required R-value, has a top plate, bottom plate and an exterior air barrier. RECOMMENDED: rigid air barrier.

X NO RIGID AIR BARRIER



✓ RIGID AIR BARRIER





TECH TIPS: FRAMING

Success with 2009 IECC in Georgia for Builders

4. For walls separating conditioned and unconditioned space, install framing that allows for the required R-value, has a top plate, bottom plate and an exterior air barrier. RECOMMENDED: rigid air barrier.

NO RIGID AIR BARRIER



RIGID AIR BARRIER



5. For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, insulate wall cavities and install an interior air barrier. RECOMMENDED: rigid air barrier.

NO AIR BARRIER



AIR BARRIER



5. For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, insulate wall cavities and install an interior air barrier. RECOMMENDED: rigid air barrier.

NO INSULATION



WALL INSULATED



5. For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, insulate wall cavities and install an interior air barrier. RECOMMENDED: rigid air barrier.

NO AIR BARRIER



AIR BARRIER





TECH TIPS: FRAMING

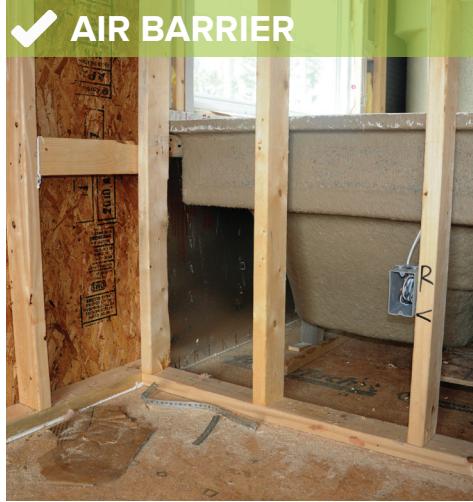
Success with 2009 IECC in Georgia for Builders

5. For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, insulate wall cavities and install an interior air barrier. RECOMMENDED: rigid air barrier.

NO AIR BARRIER



AIR BARRIER



6. Cap all dropped ceilings/soffits, shafts and chases with an air barrier and air seal. RECOMMENDED: rigid air barrier.

SOFFIT UNCAPPED



SOFFIT CAPPED

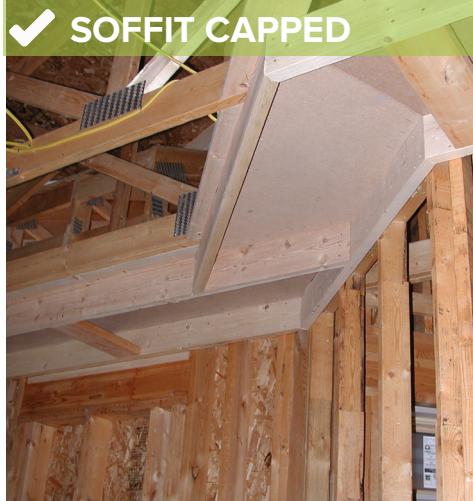


6. Cap all dropped ceilings/soffits, shafts and chases with an air barrier and air seal. RECOMMENDED: rigid air barrier.

SOFFIT UNCAPPED



SOFFIT CAPPED



6. Cap all dropped ceilings/soffits, shafts and chases with an air barrier and air seal. RECOMMENDED: rigid air barrier.

CHASE UNCAPPED



CHASE CAPPED

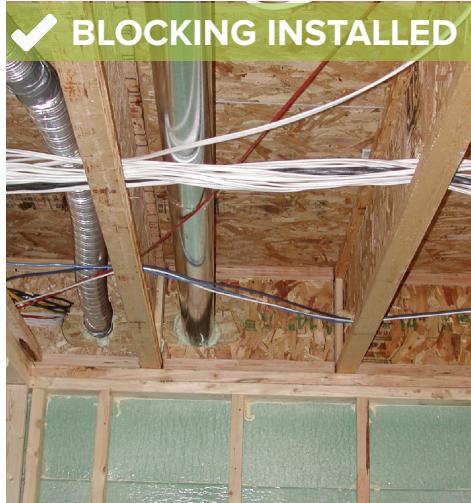
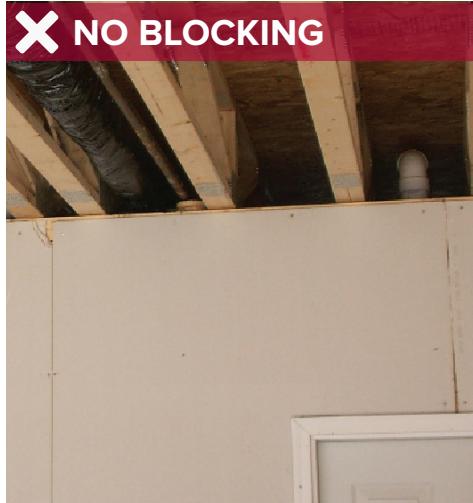




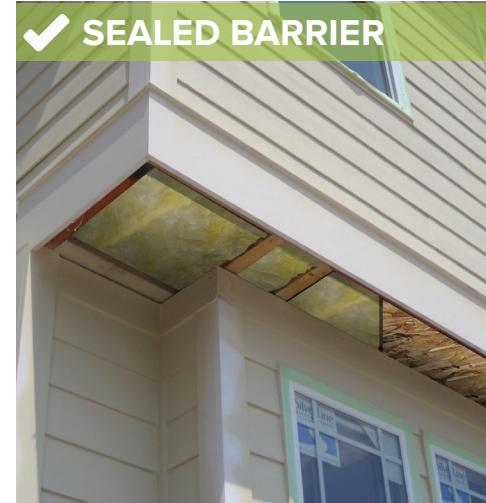
TECH TIPS: FRAMING

Success with 2009 IECC in Georgia for Builders

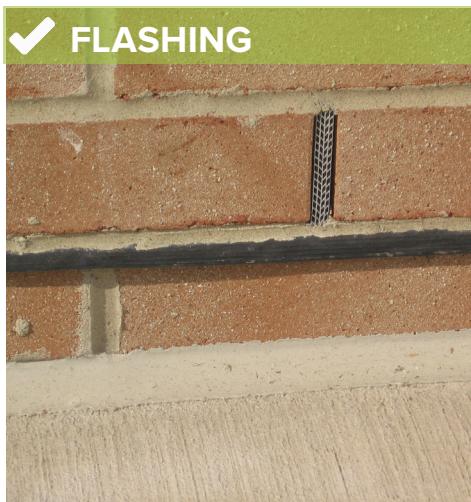
7. For all floor systems within the conditioned envelope, install a band or blocking separating conditioned and unconditioned space.



8. For cantilever floors, frame to allow for at least R-30 and encapsulate with an exterior rigid air barrier and air sealing.



9. Install flashing at the bottom of all exterior walls and at roof-wall connections.



9. Install flashing at the bottom of all exterior walls and at roof-wall connections.

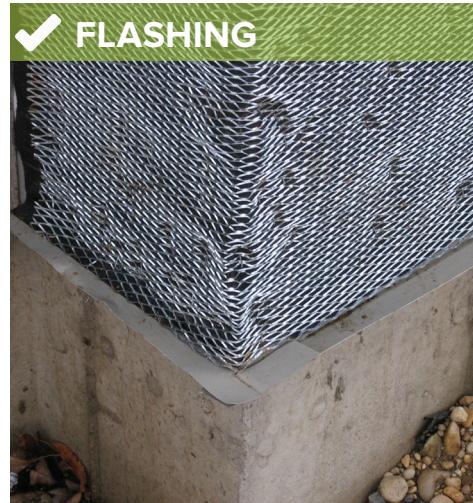




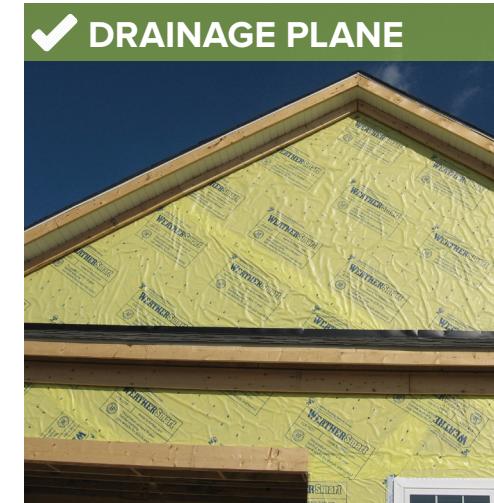
TECH TIPS: FRAMING

Success with 2009 IECC in Georgia for Builders

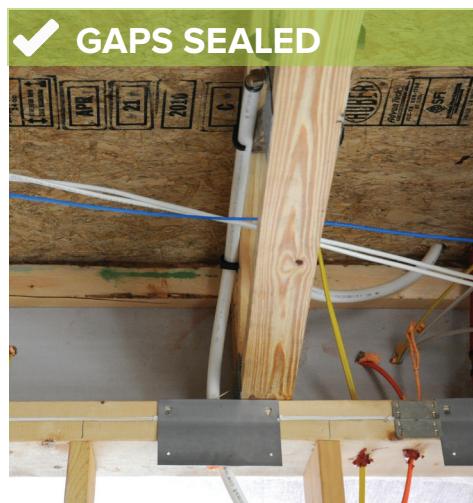
9. Install flashing at the bottom of all exterior walls and at roof-wall connections.



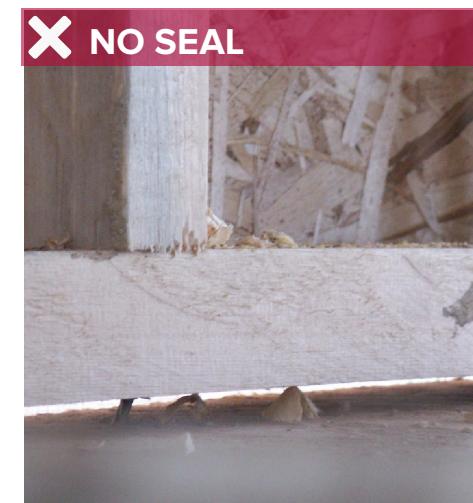
10. Install an overlapped drainage plane on all exterior walls (i.e., building wrap).



11. Air seal all gaps and voids between conditioned and unconditioned spaces.



11. Air seal all gaps and voids between conditioned and unconditioned spaces.

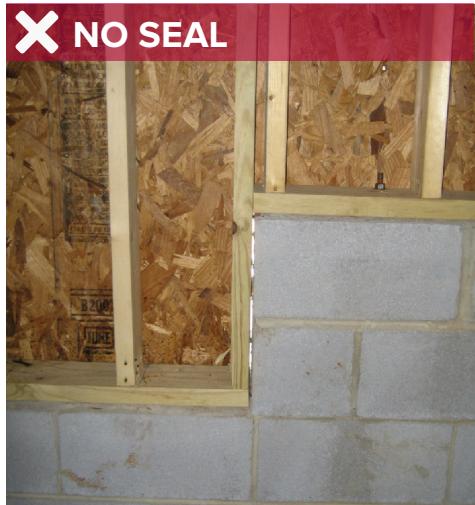




TECH TIPS: FRAMING

Success with 2009 IECC in Georgia for Builders

11. Air seal all gaps and voids between conditioned and unconditioned spaces.



X NO SEAL



✓ CAULK INSTALLED