



Success with 2012 NC Energy Conservation
Code in North Carolina:
Tech Tips for Builders

AIR SEALING



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TECH TIPS:

AIR SEALING

Success with 2012 NC Conservation Code in North Carolina for Builders

1. Air seal all dropped ceilings/soffits, shafts and chases.

INSULATION

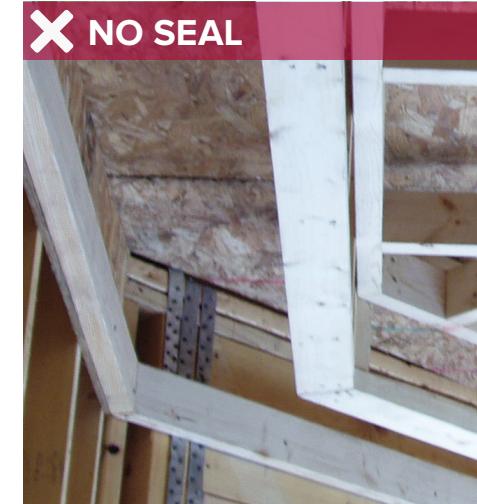


SEAL



1. Air seal all dropped ceilings/soffits, shafts and chases.

NO SEAL



SEAL

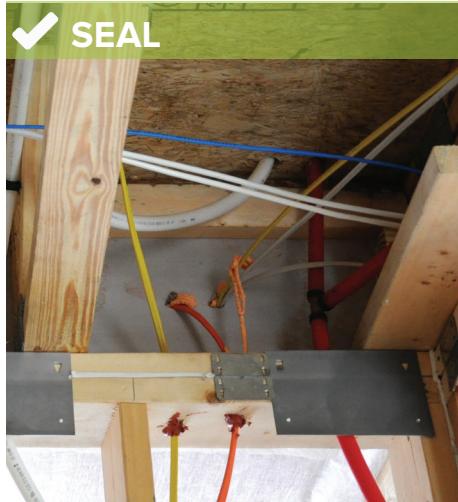


2. For all floor systems within the conditioned envelope, air seal bands or blocking that separates condition and unconditioned space.

NO SEAL

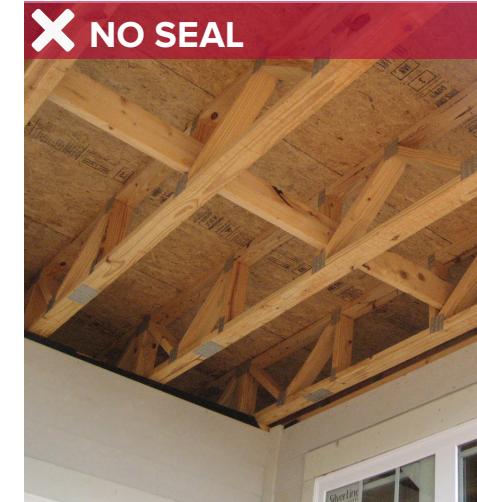


SEAL



2. For all floor systems within the conditioned envelope, air seal bands or blocking that separates condition and unconditioned space.

NO SEAL



SEAL



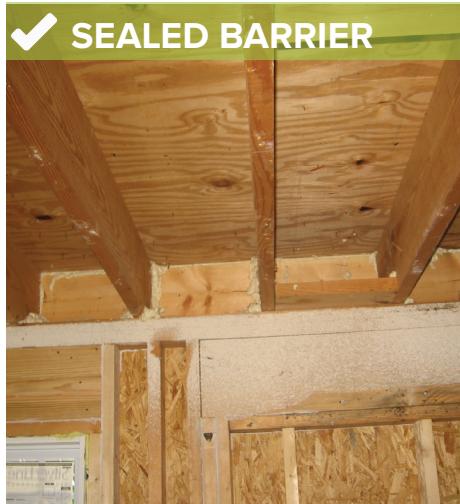


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- 3.** Air seal all rigid air barriers that enclose overhanging floor cavities.



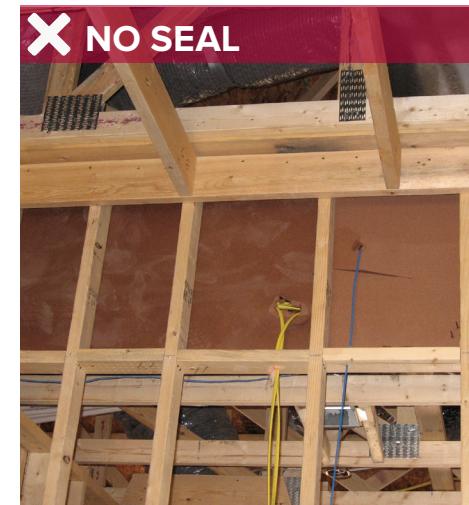
- 4.** Air seal all gaps and voids between conditioned and unconditioned spaces.



- 3.** Air seal all rigid air barriers that enclose overhanging floor cavities.



- 4.** Air seal all gaps and voids between conditioned and unconditioned spaces.





TECH TIPS:

AIR SEALING

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- 5.** Air seal around windows and doors using backer rod, caulk or low expansion foam.

X INSULATION

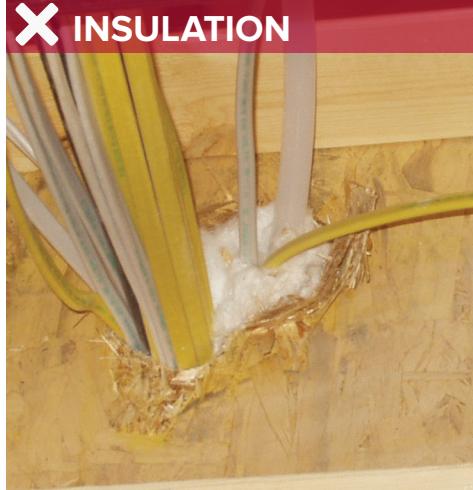


✓ SEAL

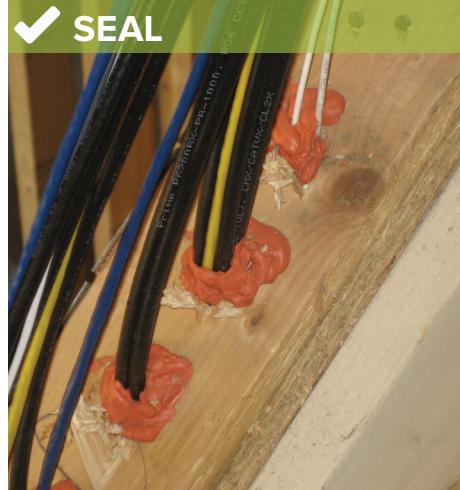


- 6.** Air seal all penetrations between conditioned and unconditioned spaces. Use fire-rated sealants where applicable.

X INSULATION



✓ SEAL

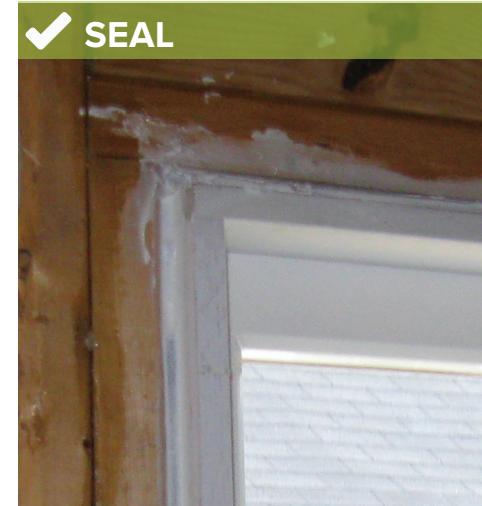


- 5.** Air seal around windows and doors using backer rod, caulk or low expansion foam.

X NO SEAL

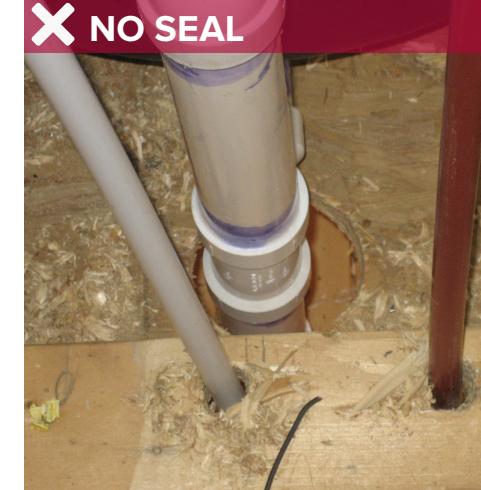


✓ SEAL



- 6.** Air seal all penetrations between conditioned and unconditioned space. Use fire-rated sealants where applicable.

X NO SEAL



✓ SEAL





TECH TIPS:

AIR SEALING

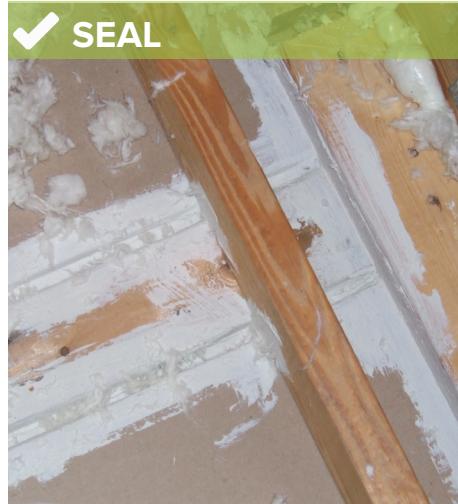
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- 7.** Air seal drywall top plate with caulk, foam or equivalent material. Do not use drywall compound to seal.

X NO SEAL



✓ SEAL

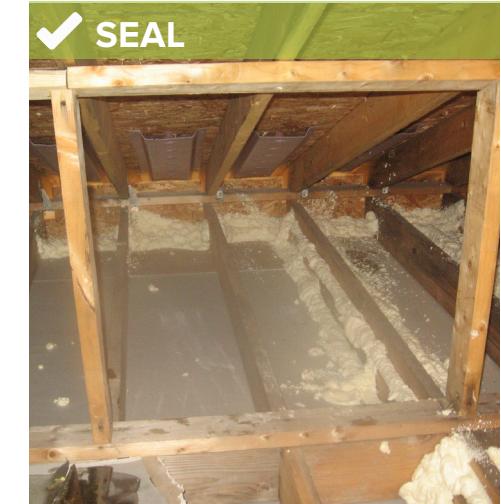


- 7.** Air seal drywall top plate with caulk, foam or equivalent material. Do not use drywall compound to seal.

X NO SEAL



✓ SEAL



- 8.** Air seal supply and return duct terminations to drywall and/or subfloor with caulk, foam or equivalent material. Use fire-rated sealants where applicable.

X TAPE



✓ SEAL



- 8.** Air seal supply and return duct terminations to drywall and/or subfloor with caulk, foam or equivalent material. Use fire-rated sealants where applicable.

X NO SEAL



✓ SEAL

