



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

# FRAMING



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# TECH TIPS:

## FRAMING

Success with 2012 NC Conservation Code in North Carolina for Builders

- 3.** 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 rigid sheathing.

### **X NO PLATES**



### **✓ TOP & BOTTOM PLATES**



- 3.** For walls separating conditioned and unconditioned space, framing that allows for the required R-value, has a top plate, bottom plate and an exterior rigid sheathing is installed.

### **X NO RIGID AIR BARRIER**

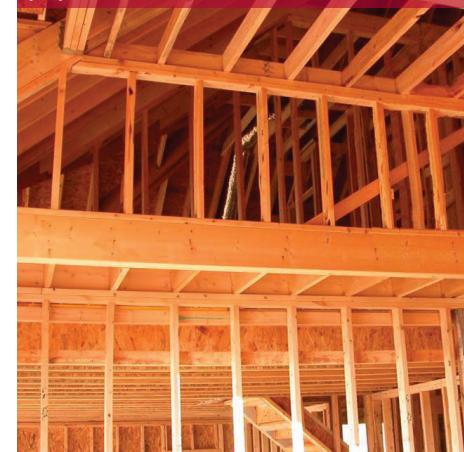


### **✓ RIGID AIR BARRIER**



- 3.** 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 rigid sheathing.

### **X NO RIGID AIR BARRIER**



### **✓ RIGID AIR BARRIER**

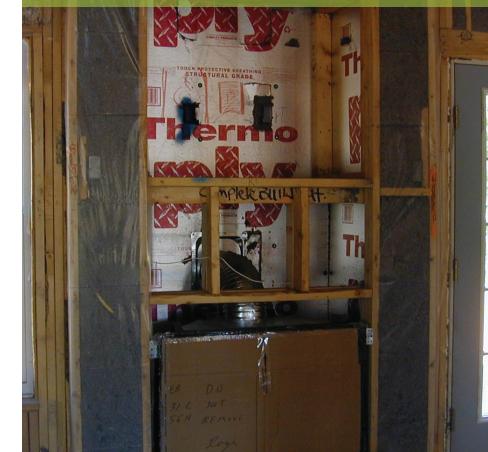


- 4.** For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, insulate wall cavities and install an interior rigid air barrier.

### **X NO INSULATION**



### **✓ WALL INSULATED**





# TECH TIPS:

## FRAMING

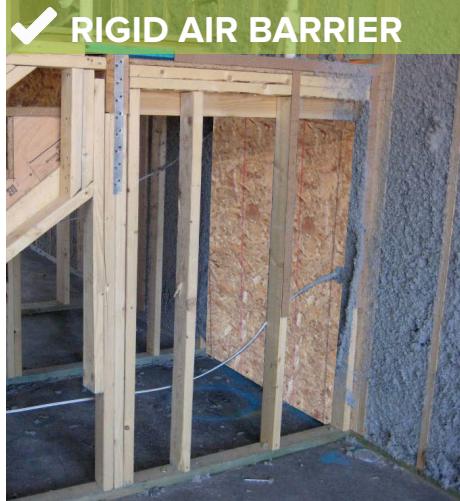
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- 4.** For walls that will not have an interior finish and are separating conditioned and unconditioned spaces, insulate wall cavities and install an interior rigid air barrier.

### NO RIGID AIR BARRIER



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### NO RIGID AIR BARRIER



### RIGID AIR BARRIER



- 5.** Cap all dropped ceilings/soffits, shafts and chases with a rigid air barrier and air seal.

### SOFFIT UNCAPPED



### SOFFIT CAPPED





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- 5.** Cap all dropped ceilings/soffits, shafts and chases with a rigid air barrier and air seal.

### SOFFIT UNCAPPED



### SOFFIT CAPPED



- 5.** Cap all dropped ceilings/soffits, shafts and chases with a rigid air barrier and air seal.

### CHASE UNCAPPED



### CHASE CAPPED



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

### NO BLOCKING



### BLOCKING INSTALLED



- 7.** For cantilevers, insulate, attach a rigid air barrier to the underside, and air seal. This air barrier can be the exterior finish material if it is airtight.

### NO RIGID AIR BARRIER



### SEALED BARRIER



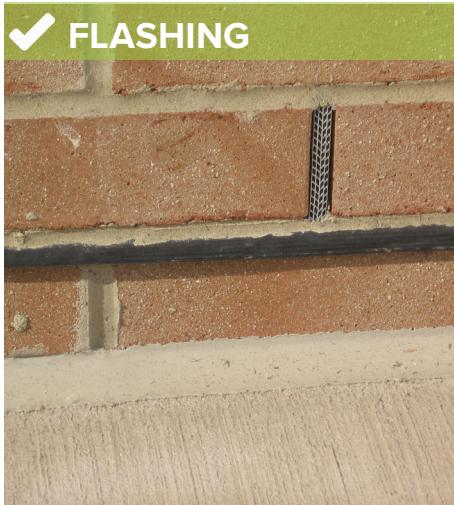


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- 8.** Install flashing at the bottom of all exterior walls and at roof-wall connections.



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





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

### ✗ NO DRAINAGE PLANE



### ✓ DRAINAGE PLANE



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

### ✗ NO SEAL

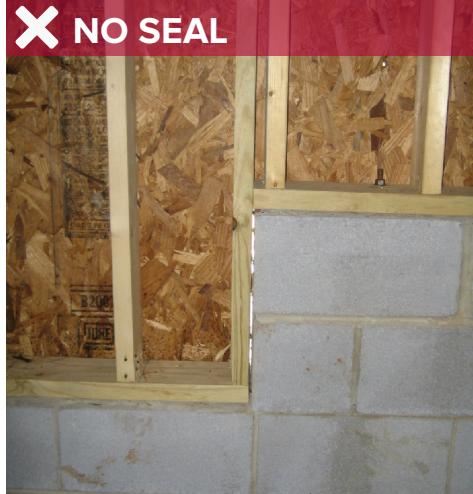


### ✓ SILL SEAL INSTALLED



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

### ✗ NO SEAL



### ✓ CAULK INSTALLED



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

### ✗ GAPS



### ✓ GAPS SEALED

