Success with 2009 IECC Arkansas: Checklists for Code Officials

ROUGH-IN

advanced energy

SEEA
SOUTHEAST ENERGY EFFICIENCY ALLIANCE

CHECKLIST: ROUGH-IN

Utilize this checklist when completing an inspection on-site. By completing the checklist in its entirety, you will provide a written record of what is installed properly and what needs to change to comply.		✓	✗	N/A
FRAMING + AIR SEALING				
1	All walls separating conditioned and unconditioned space allow for required R-value and have a top plate, bottom plate and an exterior air barrier. RECOMMENDED: rigid air barrier.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation, 2009 IECC and Arkansas Energy Code Table 402.1.1: Insulation levels	Location of Problem:		
	Notes:			
2	All walls separating conditioned and unconditioned spaces that will not have an interior finish have an interior air barrier. RECOMMENDED: rigid air barrier.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation, 2009 IECC and Arkansas Energy Code Table 402.1.1: Insulation	Location of Problem:		
	Notes:			
3	Attic platforms allow for full amount required insulation levels underneath.	☐	☐	☐
	Code Reference: 2009 IECC and Arkansas Energy Code Table 402.1.1: Insulation levels	Location of Problem:		
	Notes:			
4	All corners and headers framed for insulation installation.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
5	All dropped ceilings/soffits, shafts and chases are capped with an air barrier and sealed. RECOMMENDED: rigid air barrier.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
6	All floor systems within the conditioned envelope have an air-sealed band or blocking separating conditioned and unconditioned space. RECOMMENDED: rigid air barrier.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			

CHECKLIST: ROUGH-IN

Utilize this checklist when completing an inspection on-site. By completing the checklist in its entirety, you will provide a written record of what is installed properly and what needs to change to comply.		✓	✗	N/A
FRAMING + AIR SEALING				
7	Cantilever floors have insulation that completely fills the cavity or will maintain permanent contact with the subfloor and encapsulates the insulation with an exterior air barrier and air sealing. RECOMMENDED: rigid air barrier.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation, and Arkansas Energy Code Table 402.1.1: Insulation levels	Location of Problem:		
	Notes:			
8	All gaps and voids between conditioned and unconditioned spaces are air sealed.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
9	There is backer rod, caulk or low expansion foam around windows and doors.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
10	There is air sealing between the bottom plate of the exterior wall and the subfloor.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
11	All penetrations between conditioned and unconditioned spaces are air sealed.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
12	No building cavities being used as a part of the supply or return ducts.	☐	☐	☐
	Code Reference: 2009 IECC 403.2.3: Building cavities	Location of Problem:		
	Notes:			
13	All duct terminations sealed to the subfloor and all HVAC penetrations through the building envelope are air sealed.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			

CHECKLIST: ROUGH-IN

Utilize this checklist when completing an inspection on-site. By completing the checklist in its entirety, you will provide a written record of what is installed properly and what needs to change to comply.		✓	✗	N/A
HVAC				
14	All HVAC components are sealed at the joints and seams with mastic.	☐	☐	☐
	Code Reference: Arkansas Energy Code 403.2.2: Duct sealing, Arkansas Energy Code 403.2.4: Joints and seams, 2010 Arkansas Mechanical Code 603.9: Joints, seams and connections	Location of Problem:		
	Notes:			
15	All supply duct work in unconditioned attics is insulated to at least R-8. All other duct work outside of conditioned space is insulated to at least R-6.	☐	☐	☐
	Code Reference: 2009 IECC 403.2.1: Duct insulation	Location of Problem:		
	Notes:			
16	All mechanical piping that carries fluids above 105°F or below 55°F is insulated to at least R-3.	☐	☐	☐
	Code Reference: 2009 IECC 403.3: Mechanical pipe insulation	Location of Problem:		
	Notes:			
17	If duct tightness testing option is uesd, results meet replace with Arkansas Energy Code compliance levels.	☐	☐	☐
	Code Reference: Arkansas Energy Code 403.2.2.1: Testing option	Location of Problem:		
	Notes:			
18	If visual inspection is completed, all ducts are verified as acceptable with Arkansas Energy Code.	☐	☐	☐
	Code Reference: Arkansas Energy Code 403.2.2.2: Visual inspection option	Location of Problem:		
	Notes:			

CHECKLIST: ROUGH-IN

Utilize this checklist when completing an inspection on-site. By completing the checklist in its entirety, you will provide a written record of what is installed properly and what needs to change to comply.		✓	✗	N/A
ELECTRICAL				
19	Recessed lighting fixtures are insulation-contact rated (IC) and meet air tightness requirements	☐	☐	☐
	Code Reference: 2009 IECC 402.4.5: Recessed lighting	Location of Problem:		
	Notes:			
PLUMBING				
20	Circulating hot water systems have a switch that can turn off the pump when the system is not in use and are insulated to at least R-2.	☐	☐	☐
	Code Reference: 2009 IECC 403.4: Circulating hot water system	Location of Problem:		
	Notes:			
INSULATION				
21	All installed insulation meets required insulation levels.	☐	☐	☐
	Code Reference: 2009 IECC and Arkansas Energy Code Table 402.1.1: Insulation levels	Location of Problem:		
	Notes:			

CHECKLIST: ROUGH-IN

Utilize this checklist when completing an inspection on-site. By completing the checklist in its entirety, you will provide a written record of what is installed properly and what needs to change to comply.		✓	✗	N/A
INSULATION				
22	Insulation is installed to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.	☐	☐	☐
	Code Reference: 2009 IECC 303.2: Insulation installation, 2009 IECC and Arkansas Energy Code Table 402.1.1: Insulation Levels, 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
23	Insulation is cut and split around blocking, plumbing, HVAC and electrical components.	☐	☐	☐
	Code Reference: 2009 IECC Table 402.4.2: Air barrier and insulation installation	Location of Problem:		
	Notes:			
24	Spray foam has proper documentation to show fire prevention and labeling compliance.	☐	☐	☐
	Code Reference: Arkansas Energy Code 403.2.1.1: Spray foam insulation	Location of Problem:		
	Notes:			

CODE OFFICIAL VERIFICATION
Name
Company
Phone Number
Email Address
Date of Review
Permit/Job Number
Permit Type

