Success with 2012 IECC: 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 be providing 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.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			
2	All walls separating conditioned and unconditioned spaces that will not have an interior finish have an interior air barrier.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			
3	Attic platforms allow for full amount required insulation levels underneath.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.1.1: Insulation levels	Location of Problem:		
	Notes:			
4	All corners and headers framed for insulation installation.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: 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.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: 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.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			

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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 rigid air barrier and air sealing.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			
8	All gaps and voids between conditioned and unconditioned spaces are air sealed.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: 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: 2012 IECC Table 402.4.1.1: 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: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			
11	All penetrations between conditioned and unconditioned spaces are air sealed.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			

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HVAC				
12	A whole-house mechanical ventilation strategy is installed and the rate aligns with the 2012 IRC M1507.3.	❑	❑	❑
	Code Reference: 2012 IECC 403.5: Mechanical ventilation, 2012 IRC R303.4: Mechanical ventilation, 2012 IRC M1507.3: Whole-house mechanical ventilation system	Location of Problem:		
	Notes:			
13	No building cavities being used as a part of the duct system.	❑	❑	❑
	Code Reference: 2012 IECC 403.2.3 Building cavities	Location of Problem:		
	Notes:			
14	All duct terminations sealed to the subfloor and all HVAC penetrations through the building envelope are air sealed.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			
15	All HVAC components are sealed at the joints and seams.	❑	❑	❑
	Code Reference: 2012 IECC 403.2.2: Duct sealing, 2012 IRC M1601.4.1: Duct sealing	Location of Problem:		
	Notes:			
16	All supply duct work in unconditioned attics is insulated to R-8. All other duct work outside of conditioned space is insulated to R-6.	❑	❑	❑
	Code Reference: 2012 IECC 403.2.1: Duct insulation, 2012 IRC M1601.4.5: Duct insulation	Location of Problem:		
	Notes:			
17	All mechanical piping that carries fluids above 105°F or below 55°F is insulated to at least R-3.	❑	❑	❑
	Code Reference: 2012 IECC 403.3: Mechanical pipe insulation	Location of Problem:		
	Notes:			
18	If duct leakage testing is complete, results meet 2012 IECC compliance levels.	❑	❑	❑
	Code Reference: 2012 IECC 403.2.2: Duct sealing, 2012 IRC M1601.4.1: Duct sealing	Location of Problem:		
	Notes:			

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ELECTRICAL				
19	Recessed lighting fixtures that are insulation-contact rated (IC) and meet air leakage requirements	❑	❑	❑
	Code Reference: 2012 IECC 402.4.4: Recessed lighting	Location of Problem:		
	Notes:			
PLUMBING				
20	Hot water pipes listed in R403.4.2 are insulated to at least R-3.	❑	❑	❑
	Code Reference: 20.2012 IECC 403.4: Hot water pipe insulation	Location of Problem:		
	Notes:			
21	Circulating hot water systems have a switch that can turn off the pump when the system is not in use.	❑	❑	❑
	Code Reference: 2012 IECC 403.4.1 Circulating hot water systems	Location of Problem:		
	Notes:			
INSULATION				
22	All installed insulation meets 2012 IECC insulation levels	❑	❑	❑
	Code Reference: 2012 IECC Table 402.1.1: Insulation levels	Location of Problem:		
	Notes:			
23	For vented attics, wind baffles are installed on top of all exterior walls, leaving room for insulation over top plates and ventilation above.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.1.1: Insulation levels, 2012 IECC 402.2.3: Baffles, 2012 IRC R806.3: Attic ventilation	Location of Problem:		
	Notes:			
24	For exterior insulation, install without gaps, voids, misalignment or compression and with a rigid, opaque and weather resistant protective covering.	❑	❑	❑
	Code Reference: 2012 IECC 303.2.1: Foundation insulation protection	Location of Problem:		
	Notes:			

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INSULATION				
25	Insulation is installed to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.	❑	❑	❑
	Code Reference: 2012 IECC 303.2: Insulation installation, 2012 IECC Table 402.1.1: Insulation Levels	Location of Problem:		
	Notes:			
26	Insulation is cut and split around blocking, plumbing, HVAC and electrical components.	❑	❑	❑
	Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation	Location of Problem:		
	Notes:			

CODE OFFICIAL VERIFICATION

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

