



Success with 2012 IECC Nevada  
*Checklist for Code Officials*

# ROUGH-IN





# ROUGH-IN CHECKLIST

## RECOMMENDED PRACTICES + CODE REFERENCE

✓ ✗ N/A

### FRAMING + AIR SEALING

<b>1. Construction documents (e.g. building plans, technical documents, supporting performance compliance reports) were received.</b> Code Reference: 2012 IECC R103.2: Information on construction documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. The construction documents detail the envelope will have a continuous air barrier. <i>RECOMMENDED: RIGID AIR BARRIER</i></b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3. All walls separating conditioned and unconditioned space will allow for required R-value and a continuous air barrier.</b> Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4. All walls separating conditioned basements from exterior ground shall be insulated from the top of the basement wall downward to at least 10 feet below grade.</b> Code Reference: 2012 IECC R402.2.8 Basement walls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5. All walls separating conditioned and unconditioned space shall provide the required R-value and have a top plate, bottom plate and an exterior air barrier. <i>RECOMMENDED: RIGID AIR BARRIER</i></b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents, 2012 IECC R104: Inspections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>6. All walls separating conditioned and unconditioned spaces have an interior air barrier, sealed at all seams and edges (e.g. behind bath tub, fireplace, stairs). <i>RECOMMENDED: RIGID AIR BARRIER</i></b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7. Attic platforms allow for full amount of required insulation levels underneath.</b> Code Reference: 2012 IECC Table R402.1.1: Insulation levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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8.	<b>All corners and headers framed for insulation installation.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	<b>All dropped ceilings/soffits, shafts and chases are capped with an air barrier and sealed.</b> <b>RECOMMENDED: RIGID AIR BARRIER</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	<b>All floor systems within the conditioned envelope have air-sealed rim/band joists or blocking sealing and separating conditioned from unconditioned space.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	<b>Cantilever floors have insulation that completely fills the cavity or will maintain permanent contact with the underside of the subfloor or encapsulates the insulation with an exterior air barrier and air sealing.</b> <b>RECOMMENDED: RIGID AIR BARRIER</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	<b>All gaps and voids between conditioned and unconditioned spaces are air sealed.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	<b>The window and door U-values and solar heat gain coefficients (SHGC) installed match the code approved construction documents.</b> Code Reference: 2012 IECC Table R402.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	<b>There is air sealing (e.g. backer rod, caulk, low expanding foam) around windows and doors.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	<b>There is air sealing between the bottom plate of the exterior wall and the subfloor.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	<b>All penetrations between conditioned and unconditioned spaces are air sealed.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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RECOMMENDED PRACTICES + CODE REFERENCE

✓ ✗ N/A

## ELECTRICAL

- |            |  |                          |                          |                          |
|------------|--|--------------------------|--------------------------|--------------------------|
| <b>17.</b> | <b>Recessed lighting fixtures installed in the building envelope are insulation-contact and airtight rated, then sealed to drywall with caulk, foam or gasket and finally covered with approved trim.</b><br>Code Reference: 2012 IECC R402.4.4: Recessed lighting | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>18.</b> | <b>Circulating hot water systems have a switch that can turn off the circulation pump when the system is not in use.</b><br>Code Reference: 2012 IECC R403.4.1: Circulating hot water systems  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>19.</b> | <b>High-efficacy lamps or fixtures (e.g. CFLs, LEDs, fluorescent) are installed in 75% of lighting equipment.</b><br>Code Reference: 2012 IECC R404.1: Lighting  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## HVAC

- |            |  |                          |                          |                          |
|------------|--|--------------------------|--------------------------|--------------------------|
| <b>20.</b> | <b>HVAC system installed matches ACCA Manual J and Manual S or other approved methods from approved construction documents.</b><br>Code Reference: 2012 IRC M1401.3: Equipment Sizing, 2012 IECC R403.6: Equipment Sizing, 2012 IECC R103.2: Information on construction documents | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>21.</b> | <b>A whole-house mechanical ventilation strategy is installed.</b><br>Code Reference: 2012 IECC R403.5: Mechanical ventilation   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>22.</b> | <b>Building cavities are not used as part of a duct system.</b><br>Code Reference: 2012 IECC R403.2.3: Building cavities   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>23.</b> | <b>All duct terminations sealed to the subfloor and all HVAC penetrations through the building envelope are air sealed.</b><br>Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>24.</b> | <b>All HVAC components are sealed at joints and seams.</b><br>Code Reference: 2012 IECC R403.2.2: Duct sealing, 2012 IRC M1601.4.1: Duct sealing   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>25.</b> | <b>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.</b><br>Code Reference: 2012 IECC R403.2.1: Duct insulation, 2012 IRC M1601.4.5: Duct insulation   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



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### HVAC

- |     |  |                          |                          |                          |
|-----|--|--------------------------|--------------------------|--------------------------|
| 26. | <b>All mechanical piping that carries fluids above 105°F or below 55°F is insulated to at least R-3.</b><br>Code Reference: 2012 IECC R403.3: Mechanical pipe insulation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 27. | <b>Duct leakage testing if needed meets 2012 IECC compliance levels.</b><br>Code Reference: 2012 IECC R403.2.2: Duct sealing, 2012 IRC M1601.4.1: Duct sealing           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

### INSULATION

- |     |   |                          |                          |                          |
|-----|---|--------------------------|--------------------------|--------------------------|
| 28. | <b>All installed insulation levels meet approved construction documents and manufacturer's instructions.</b><br>Code Reference: 2012 IECC Table R402.1.1: Insulation levels, 2012 R303.2: Installation  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 29. | <b>For vented attics, eave baffles are installed on top of all exterior walls, leaving room for insulation over top plates and ventilation above.</b><br>Code Reference: 2012 IECC Table R402.1.1: Insulation levels, 2012 IECC R402.2.3: Baffles, 2012 IRC R806.3: Attic ventilation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 30. | <b>For exterior foundation insulation, install without gaps, voids, misalignment or compression and with a rigid, opaque and weather resistant protective covering.</b><br>Code Reference: 2012 IECC R303.2.1: Foundation insulation protection                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 31. | <b>For exterior wall insulation, install without gaps, voids, misalignment or compression.</b><br>Code Reference: 2012 IECC R303.2: Insulation installation, 2012 IECC Table R402.1.1: Insulation levels  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 32. | <b>Insulation is installed to fill the cavity between conditioned and unconditioned space without gaps, voids, misalignments or compression.</b><br>Code Reference: 2012 IECC R303.2: Insulation installation, 2012 IECC Table R402.1.1: Insulation levels                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 33. | <b>Insulation is cut to fit around blocking, plumbing, HVAC and electrical components.</b><br>Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 34. | <b>Hot water pipe locations listed in R403.4.2 are insulated to at least R-3.</b><br>Code Reference: 2012 IECC R403.4: Hot water pipe insulation  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |