



Success with 2012 IECC Nevada  
*Checklist for Code Officials*

# PLAN REVIEW





# PLAN REVIEW CHECKLIST

RECOMMENDED PRACTICES + CODE REFERENCE

✓ ✗ N/A

## FRAMING + AIR SEALING

- |   |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|
| <b>The construction documents detail the envelope will have a continuous air barrier.</b><br><b>RECOMMENDED: RIGID AIR BARRIER</b>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>1.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents  |                          |                          |                          |
| <b>All walls separating conditioned and unconditioned space will allow for required R-value and a continuous air barrier.</b>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>2.</b> Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents   |                          |                          |                          |
| <b>All walls separating conditioned and unconditioned spaces that will not have an interior finish are noted on the building plans and sections and specify an interior air barrier, sealed at all seams and edges (e.g. behind bath tub, fireplace, stairs).</b> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>3.</b> Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents   |                          |                          |                          |
| <b>All walls separating conditioned basements from exterior ground shall be insulated up to 10 feet down from the top of the basement wall.</b>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>4.</b> Code Reference: 2012 IECC R402.2.8 Basement walls   |                          |                          |                          |
| <b>Attic platform details are included and allow for full amount of required insulation levels underneath.</b>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>5.</b> Code Reference: 2012 IECC Table 402.1.1: Insulation levels, 2012 IECC R103.2: Information on construction documents   |                          |                          |                          |
| <b>Corner and header architectural details are included and allow for insulation installation.</b>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>6.</b> Code Reference: 2012 IECC Table 402.4.1.1: Air barrier and insulation installation, 2012 IECC R103.2: Information on construction documents   |                          |                          |                          |
| <b>All floor systems within the conditioned envelope have air-sealed rim/band joists or blocking sealing and separating conditioned from unconditioned space.</b>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>7.</b> Code Reference: 2012 IECC Table R402.4.1.1: Air barrier and insulation installation   |                          |                          |                          |



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## FRAMING + AIR SEALING

- |     |  |                          |                          |                          |
|-----|--|--------------------------|--------------------------|--------------------------|
| 8.  | <b>Cantilever floor details allow for full amount of required insulation and the insulation is encapsulated with an exterior air barrier and air sealing. <i>RECOMMENDED: RIGID AIR BARRIER</i></b><br>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"/> |
| 9.  | <b>Window and door U-values and solar heat gain coefficients (SHGC) are noted on construction documents.</b><br>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"/> |
| 10. | <b>Construction documents (e.g. building plans, technical documents, supporting performance compliance reports) were submitted.</b><br>Code Reference: 2012 IECC R103: Construction documents  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## INSULATION

- |     |  |                          |                          |                          |
|-----|--|--------------------------|--------------------------|--------------------------|
| 11. | <b>All insulation levels shown on building plans will meet 2012 IECC insulation levels.</b><br>Code Reference: 2012 IECC Table 402.1.1: Insulation levels, 2012 IECC R103.2: Information on construction documents | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|-----|--|--------------------------|--------------------------|--------------------------|

## ELECTRICAL

- |     |   |                          |                          |                          |
|-----|---|--------------------------|--------------------------|--------------------------|
| 12. | <b>Specified bath fans will exhaust at least 50 CFM intermittently or 20 CFM continuously when installed and meet the efficacy requirements (HRV and ERVs exempt).</b><br>Code Reference: 2012 IRC M1507.3: Exhaust fan rate, 2012 IECC Table R403.5.1: Mechanical System Fan Efficacy, 2012 IECC R103.2: Information on construction documents | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. | <b>Specified recessed lighting fixtures are insulation-contact rated (IC) and must meet air leakage requirements with their approved trim.</b><br>Code Reference: 2012 IECC 402.4.4: Recessed lighting, 2012 IECC R103.2: Information on construction documents   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. | <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"/> |



# PLAN REVIEW CHECKLIST

## RECOMMENDED PRACTICES + CODE REFERENCE

✓ ✗ N/A

### HVAC

- |            |  |                          |                          |                          |
|------------|--|--------------------------|--------------------------|--------------------------|
| <b>15.</b> | <b>HVAC duct locations, insulation values and sealing requirements are noted on the construction documents.</b><br>Code Reference: 2012 IECC Table R403.2.1: Insulation, 2012 IECC R403.2.2: Duct sealing, 2012 IRC M1601.4.1: Duct sealing, 2012 IECC R103.2: Information on construction documents                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>16.</b> | <b>ACCA Manual J Load calculations or other approved method are accurate and complete for the dwelling unit.</b><br>Code Reference: 2012 IRC M1401.3: Equipment Sizing, 2012 IECC 403.6: Equipment Sizing, 2012 IECC R103.2: Information on construction documents   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>17.</b> | <b>Specified HVAC equipment is selected based on the ACCA Manual S or other approved equipment selection method.</b><br>Code Reference: 2012 IRC M1401.3: Equipment Sizing, 2012 IECC 403.6: Equipment Sizing, 2012 IECC R103.2: Information on construction documents   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>18.</b> | <b>A whole-house mechanical ventilation strategy and rate are specified and align with 2012 IRC M1507.3.</b><br>Code Reference: 2012 IECC 403.5: Mechanical ventilation, 2012 IRC R303.4: Mechanical ventilation, 2012 IRC M1507.3: Whole-house mechanical ventilation system, 2012 IECC R103.2: Information on construction documents | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |