Permit #: Address:

Compliance Approach Used: □ Prescriptive □ Trade Off □ Performance

Project Type: □ New Building □ Addition □ Level 3 Alteration

| 2012 IECC Section # | Pre-Inspection Section Description | Prescriptive Code Value | Plan Value | Designer Identified Dwg Page | Plan Review | Field Insp. |
|---|---|---|---|---|---|---|
| 302.1, 403.6 MR | Heating and Cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J | N/A | | | | |
| **2012 IECC Section #** | **Foundation Inspections** | **Prescriptive Code Value** | **Plan Value** | **Identified Dwg Page** | **Plan Review** | **Field Insp.** |
| 402.1.1 SR | Slab Insulation R-value. Perimeter insulation extending downward from the top of the slab surface | Unheated R-10 Heated R-15 | | | | |
| 402.1.1 SR | Slab Insulation depth. | 2 feet | | | | |
| 402.1.1 SR | Conditioned basement wall insulation R-value. Where internal insulation is used, verification to occur during insulation inspection | Continuous R-10 Cavity: R-13 | | | | |
| 303.2 I | Conditioned basement wall insulation installed per manufacturer instructions. | N/A | | | | |
| 402.2.8 SR | Conditioned basement wall insulation depth of burial or distance from top of wall. | 10 ft or to bsmt. floor | | | | |
| 402.2.10 SR | Unvented crawlspace wall insulation R-value | Continuous: R-10 Cavity: R-13 | | | | |
| 303.2 I | Unvented crawlspace installed per manufacturer's instructions | N/A | | | | |
| 402.2.10 SR | Unvented crawlspace continuous vapor retarder installed over exposed earth, joints overlapped by 6 in. and sealed, extending at lest 6 in. up and attached to the wall. | Continuous R-10 Cavity: R-13 | | | | |
| 402.2.10 SR | Unvented crawlspace wall insulation depth of burial or distance from top of wall | To finished grade +24 in. vert. & / or horiz. | | | | |
| 303.2.1 S | A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade. | N/A | | | | |
| 403.8 ER | Snow and Ice-melting system controls installed. | | | | | |
| **2012 IECC Section #** | **Framing/ Rough-In Inspection** | **Prescriptive Code Value** | **Plan Value** | **Identified Dwg Page** | **Plan Review** | **Field Insp.** |
| 402.1.1, 402.3.4 SR | Door U-factor | U-0.35 | | | | |
| 402.1.1, 402.3.1, 402.3.3 SR | Glazing U-factor (Area weighted average, show proof of average if any u-value is less than 0.35) | U-0.35 | | | | |
| 402.1.1, 402.3.2, 402.3.3, 402.3.6, SR | Glazing SHGC value (Area weighted average) | SHGC: 0.4 | | | | |

Key: Mandatory for all Compliance Approaches as Relevant to the Scope of Work

| 2012 IECC Section # | Framing/ Rough-In Inspection | Prescriptive Code Value | Plan Value | Designer Identified Dwg Page | Plan Review | Field Insp. |
|---|---|---|---|---|---|---|
| 303.1.3 I | U-factors of fenestration products are determined in accordance with the NFRC or the default table values. | | | | | |
| 402.1.1, 402.3.3, 402.3.6 SR | Skylight U-factor | U-0.55 (15 square foot exemption) | | | | |
| 402.1.1, 402.3.3, 402.3.6 SR | Skylight SHGC | SHGC: 0.30 (0.5 max w/ tradeoff. 15ft²exempt | | | | |
| 303.1.3 I | SHGC values were determined in accordance with the NFRC or the default table values. | | | | | |
| 402.1.1 SR | Mass wall exterior insulation R-value. | R-13 Interior R-8 Exterior | | | | |
| 303.2 I | Mass wall exterior insulation installed per manufacturer's instructions. | N/A | | | | |
| 402.3.5 SR | Fenestration in thermally isolated sunrooms has a max. U-factor of 0.45. All other sunroom fenestration must meet code requirements. | Not Isolated 0.35 Isolated: 0.45 | | | | |
| 402.3.5 SR | Skylights in thermally isolated sunrooms has a max. U-factor of 0.7. All other sunroom skylights must meet code requirements. | Not Isolated 0.55 Isolated: 0.7 | | | | |
| 402.4.1.2 SR | Additions, alterations, renovations and replair shall be completed in accordance with Table 402.4.1.1. | Air-sealing Details provided. | | | | |
| 402.4.1.1 I | Air and Thermal Barrier installed per Manufacturer's instructions. | | | | | |
| 402.4.3 I | Fenestration is listed and labeled as meeting AAMA/ WDMA/CSA 101/I.S. 2/A440 or does not exceed code limits per NFRC 400. | 0.3 CFM/ft² | | | | |
| 402.4.4 E | IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤ 2.0 CFM leakage at 75 Pa. | | | | | |
| 403.2.1 MR | Supply Ducts in attic are insulated to ≥R-8. All other ducts in unconditioned spaces or outside the building envelope are ≥R-6. | Attic: R-8 Other: R-6 | | | | |
| 403.2.2 MR | All joints and seams of air ducts, air-handlers, and filter boxes are sealed. | | | | | |
| 403.2.3 MR | Building cavities are not used as ducts or plenums. | | | | | |
| 403.3 MR | HVAC piping carrying fluids > 105°F or fluids < 55°F are insulated to ≥ R-3. | HVAC Pipe ≥ R-3 | | | | |
| 403.3.1 MR | Protection of insulation on HVAC piping. | | | | | |
| 403.4.2 MR | Hot water pipes are insulated to ≥ R-3. | | | | | |
| 403.5 MR | Auto./ gravity dampers install on all intakes/ exhausts. | | | | | |

| 2012 IECC Section # | Insulation Inspections | Prescriptive Code Value | Plan Value | Designer Identified Dwg Page | Plan Review | Field Insp. |
|---|---|---|---|---|---|---|
| 303.1 I | All installed insulation labeled or installed R-values provided. | | | | | |
| 402.1.1, 402.2.6 SR | Floor Insulation R-value | Wood: R-19 Steel: R-19+6 | | | | |
| 303.2, 402.2.7 SR | Floor insulation installed per mnfr instructions, and substantial contact with underside of floor. | | | | | |
| 402.1.1, 402.2.5 402.2.6 SR | Wall insulation R-value. If a mass wall with ½ insulation on the wall exterior. ext insulation applies. | Wood: R-20 or R-13+5 Mass: R-13 Int. R-8 Ext. Steel: R19+8 | | | | |
| 402.1.1 SR | Mass wall exterior insulation R-value. | R-13 Interior R-8 Exterior | | | | |
| 402.2.12 S | Walls of thermally isolated sunrooms have a min. R-13. All other sunrooms must meet code requirements. | Isolated: R13 | | | | |
| 302.2 I | Walls and Ceiling insulation installed per manufacturer's instructions. | | | | | |
| 402.2.12 S | Ceilings of thermally isolated sunrooms have min. R-24. All other sunroom ceilings must meet code requirements | Isolated: R-24 | | | | |
| **2012 IECC Section #** | **Final Inspections** | **Prescriptive Code Value** | **Plan Value** | **Identified Dwg Page** | **Plan Review** | **Field Insp.** |
| 402.2.1 402.2.6 SR | Ceiling insulation R-value | Wood: R-49 Steel: U-0.026 | | | | |
| 303.1.1.1 303.2 I | Ceiling insulation installed per mnfrs instructions. Blown ins. marked every 300ft² | | | | | |
| 402.2.3 SR | Baffle over air permeable insulation adjacent to soffit and eave vents. | | | | | |
| 402.2.4 SR | Attic access hatch and door insulation ≥R-value of adjacent assembly. | ≥R-value of adjacent assembly | | | | |
| 402.4.1.2 I | Blower door test @ 50 Pa≤5 Air Changes per Hour. Applies to Level 3, Gut Rehab, New | ACH50≤5.0 | | | | |
| 402.4.2 I | Wood burning fireplaces have tight fitting flue dampers and outdoor air for combustion. | | | | | |
| 403.2.2 I | Total Duct leakage test ≤8 CFM/100 ft² with air-handler installed. | ≤8 CFM/ 100 ft² | | | | |
| 403.2.2.1 I | Air-handler leakage designed by mfr. at ≤2% of air-flow. | | | | | |
| 403.6 I | HVAC equipment type and capacity as per plans. | | | | | |
| 403.1.1 MR | Programmable thermostats installed on forced air furnace | | | | | |
| 403.1.2 MR | Heat pump thermostat installed on heat pumps. | | | | | |
| 403.4.1 MR | Circulating hot water systems have auto. or accessible manual controls. | | | | | |
| 403.5.1 MR | All mech. vent. system fans not part of tested & listed HVAC equipment meet efficacy and air flow requirements. | | | | | |
| 404.1 ER | 75% lamps in permanent fixtures or 75% permanent fixtures use high effic. lamps | | | | | |

# DCRA Energy Verification Sheet

Low-Rise Residential Version 1.0_2014

This Energy Verification Sheet is based on DOE's Store and Score spreadsheets and was adapted to fit the 2013 DC Energy Concervation Code. This verification sheet does not replace the 2013 DC ECC or 2012 IECC and is included for DCRA to verify significant requirements during permitting and inspection. The project team shall design and install the building to the full energy code, which may or may not be inclusive of all included components. The project team shall also include this document into their drawings and fill it in for low-rise residential projects completing Level 3 Alterations or new construction. Elements that are not applicable to the scope of work shall be marked "N/A" in the "Designer Identified Drawing Page #" column. Elements that are applicable shall be marked with the relevant page number where the item is specified in the drawings. Projects using the Performance Path need to fill in only the hatched, mandatory rows. Other Compliance Approaches require filling in all rows. Completion of this page does not absolve project teams from providing other energy verification documentation.