

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	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	Designer Identified Dwg Page	Plan Review	Field Insp.
402.1.1	Slab Insulation R-value. Perimeter insulation extending downward from the top of the slab surface	Unheated R-10 Heated R-15				
402.1.1	Slab Insulation depth.	2 feet				
402.1.1	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	Conditioned basement wall insulation installed per manufacturer instructions.	N/A				
402.2.8	Conditioned basement wall insulation depth of burial or distance from top of wall.	10 ft or to bsmt. floor				
402.2.10	Unvented crawlspace wall insulation R-value	Continuous: R-10 Cavity: R-13				
303.2	Unvented crawlspace installed per manufacturer's instructions	N/A				
402.2.10	Unvented crawlspace continuous vapor retarder installed over exposed earth, joints overlapped by 6 in. and sealed, extending at least 6 in. up and attached to the wall.	Continuous R-10 Cavity: R-13				
402.2.10	Unvented crawlspace wall insulation depth of burial or distance from top of wall	To finished grade +24 in. vert. & / or horiz.				
303.2.1	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	N/A				
403.8	Snow and ice-melting system controls installed.					
2012 IECC Section #	Framing/ Rough-In Inspection	Prescriptive Code Value	Plan Value	Designer Identified Dwg Page	Plan Review	Field Insp.
402.1.1, 402.3.4	Door U-factor	U-0.35				
402.1.1, 402.3.1, 402.3.3, 402.3.6	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	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	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	Skylight U-factor	U-0.55 (15 square foot exemption)				
402.1.1, 402.3.3, 402.3.6	Skylight SHGC	SHGC: 0.30 (0.5 max w/ tradeoff. 15ft² exempt)				
303.1.3	SHGC values were determined in accordance with the NFRC or the default table values.					
402.1.1	Mass wall exterior insulation R-value.	R-13 Interior R-8 Exterior				
303.2	Mass wall exterior insulation installed per manufacturer's instructions.	N/A				
402.3.5	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				
402.3.5	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				
402.4.1.2	Additions, alterations, renovations and repair shall be completed in accordance with Table 402.4.1.1.	Air-sealing Details provided.				
402.4.1.1	Air and Thermal Barrier installed per Manufacturer's instructions.					
402.4.3	Fenestration is listed and labeled as meeting AAMA/WDMA/CSA 101/IS. 2/A440 or does not exceed code limits per NFRC 400.	0.3 CFM/ft²				
402.4.4	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤ 2.0 CFM leakage at 75 Pa.	Attic: R-8 Other: R-6				
403.2.1	Supply Ducts in attic are insulated to ≥R-8. All other ducts in unconditioned spaces or outside the building envelope are ≥R-6.					
403.2.2	All joints and seams of air ducts, air-handlers, and filter boxes are sealed.					
403.2.3	Building cavities are not used as ducts or plenums.					
403.3	HVAC piping carrying fluids > 105F or fluids < 55F are insulated to ≥R-3.	HVAC Pipe ≥R-3				
403.3.1	Protection of insulation on HVAC piping.					
403.4.2	Hot water pipes are insulated to ≥ R-3.					
403.5	Auto./ growly 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	All installed insulation labeled or installed R-values provided.					
402.1.1, 402.2.6	Floor Insulation R-value	Wood: R-19 Steel: R-19+6				
303.2, 402.2.7	Floor insulation installed per mfr instructions, and substantial contact with underside of floor.					
402.1.1, 402.2.5, 402.2.6	Wall insulation R-value. If a mass wall with 1/2" 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	Mass wall exterior insulation R-value.	R-13 Interior R-8 Exterior				
402.2.12	Walls of thermally isolated sunrooms have a min. R-13. All other sunrooms must meet code requirements.	Isolated: R13				
302.2	Walls and Ceiling insulation installed per manufacturer's instructions.					
402.2.12	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	Designer Identified Dwg Page	Plan Review	Field Insp.
402.2.1	Ceiling insulation R-value	Wood: R-49 Steel: U-0.026				
303.1.1.1	Ceiling insulation installed per mfr instructions. Blown ins. marked every 300ft².					
402.2.3	Baffle over air permeable insulation adjacent to soffit and eave vents.					
402.2.4	Attic access hatch and door insulation ≥R-value of adjacent assembly.	≥R-value of adjacent assembly				
402.4.1.2	Blower door test @ 50 Pa≤5 Air Changes per Hour. Applies to Level 3, Gut Rehab, New	ACH50≤5.0				
402.4.2	Wood burning fireplaces have tight fitting flue dampers and outdoor air for combustion.					
403.2.2	Total Duct leakage test ≤8 CFM/100 ft² with air-handler installed.	≤8 CFM/100 ft²				
403.2.2.1	Air-handler leakage designed by mfr. at ≤2% of air-flow. capacity as per plans.					
403.6	HVAC equipment type and capacity as per plans.					
403.1.1	Programmable thermostats installed on forced air furnace					
403.1.2	Heat pump thermostat installed on heat pumps.					
403.4.1	Circulating hot water systems have auto. or accessible manual controls.					
403.5.1	All mech. vent. system fans not part of tested & listed HVAC equipment meet efficacy and air flow requirements.					
404.1	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 Score and Score spreadsheets and was adapted to fit the 2013 DC Energy Conservation Code. This verification sheet does not replace the 2013 DC IECC 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.