



Indoor airPLUS Verification Checklist



Address or Div/Lot#: <u>1831 Willard</u>		Date: <u>10/31/12</u>		Verified by		
City/State/Zip: <u>Grand Rapids MI</u>						
Section	Requirements (see Indoor airPLUS Construction Specifications for details)	N/A	Builder	Rater		
Moisture Control	Water-Managed Site and Foundation					
	1.1	Site & foundation drainage: sloped grade, protected drain tile, & foundation floor drains	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.2	Capillary break below concrete slabs & in crawlspaces (Exception - see specification)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.3	Foundation wall damp-proofed or water-proofed (Except for homes without below-grade walls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.4	Basements/crawlspaces insulated & conditioned (Exceptions - see specification)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Water-Managed Wall Assemblies					
	1.5	Continuous drainage plane behind exterior cladding, properly flashed to foundation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.6	Window & door openings fully flashed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Water-Managed Roof Assemblies					
	1.7	Gutters/downspouts direct water a minimum of 5' from foundation (Except in dry climates) <i>picture proof</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.8	Fully flashed roof/wall intersections (step & kick-out flashing) & roof penetrations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.9	Bituminous membrane installed at valleys & penetrations (Except in dry climates)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1.10	Ice flashing installed at eaves (Except in Climate Zones 1 - 4)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Interior Water Management						
1.11	Moisture-resistant materials/protective systems installed (i.e., flooring, tub/shower backing, & piping)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
1.12	No vapor barriers installed on interior side of exterior walls with high condensation potential	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
1.13	No wet or water-damaged materials enclosed in building assemblies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Radon	2.1	Approved radon-resistant features installed (Exception - see specification)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	2.2	Two radon test kits & instructions/guidance for follow-up actions provided for buyer (Advisory-see specification)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Pests	3.1	Foundation joints & penetrations sealed, including air-tight sump covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	3.2	Corrosion-proof rodent/bird screens installed at all openings that cannot be fully sealed (e.g., attic vents)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
HVAC	4.1	HVAC room loads calculated, documented; system design documented; coils matched	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.2	Duct system design documented & properly installed OR duct system tested (check box if tested) <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.3	No air handling equipment or ductwork installed in garage; continuous air barrier required in adjacent assemblies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.4	Rooms pressure balanced (using transfer grills or jump ducts) as required OR tested (check box if tested) <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.5	Whole house ventilation system installed to meet ASHRAE 62.2 requirements	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.6	Local exhaust ventilation to outdoors installed for baths, kitchen, clothes dryers, central vacuum system, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.7	Central forced-air HVAC system(s) have minimum MERV 8 filter, no filter bypass, & no ozone generators	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	4.8	Additional dehumidification system(s) or central HVAC dehumidification controls installed (In warm-humid climates only)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Combustion Pollutants	Combustion Source Controls					
	5.1	Gas heat direct vented; oil heat & water heaters power vented or direct vented (Exceptions - see specifications)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	5.2	Fireplaces/heating stoves vented outdoors & meet emissions/efficiency standards/restrictions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	5.3	Certified CO alarms installed in each sleeping zone (e.g., common hallway) according to NFPA 720	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	5.4	Smoking prohibited in common areas; outside smoking at least 25' from building openings (Multi-family homes only)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Attached Garage Isolation					
5.5	Common walls/ceilings (house & garage) air-sealed before insulation installed; house doors gasketed & closer installed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5.6	Exhaust fan (minimum 70 cfm, rated for continuous use) installed in garage & vented to outdoors (controls optional)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Materials	6.1	Certified low-formaldehyde pressed wood materials used (i.e., plywood, OSB, MDF, cabinetry)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	6.2	Certified low-VOC or no-VOC interior paints & finishes used	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	6.3	Carpet, adhesives, & cushion qualify for CRI Green Label Plus or Green Label testing program	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Final	7.1	HVAC system & ductwork verified dry, clean, & properly installed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	7.2	Home ventilated before occupancy OR initial ventilation instructions provided for buyer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	7.3	Completed checklist & other required documentation provided for buyer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rater/Provider: <u>André L. Mitchell</u>		Builder: <u>Conie O'Neil</u>				
Company: <u>Ferris State Energy Center</u>		Company: <u>Habitat for Humanity (Kent County)</u>				
Signature: <u>André L. Mitchell</u>		Signature: <u>Conie O'Neil</u>				