



ENERGY STAR Qualified Homes

Indoor Air Quality Checklist

Home Address:		City:		State:		
System	Inspection Guidelines	Must Correct	Verifier Approved	N/A		
Ventilation						
1. Whole-Building Delivered Ventilation ²	1.1 Ventilation rate meets requirements of ASHRAE Std. 62.2 2007, Section 4.4 ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	1.2 In Hot-Humid climates, net exhaust flow \leq 7.5 CFM per 100 sq. ft.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	1.3 In Very Cold climates, net supply flow \leq 7.5 CFM per 100 sq. ft.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Local Mechanical Exhaust	System installed in each kitchen and bathroom and meets one of the following airflow standards:					
	Location	Continuous rate:	Intermittent rate: ³			
	2.1 Kitchen	\geq 5 ACH, based on kitchen volume ⁴	\geq 100 CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.2 Bathroom	\geq 20 CFM	\geq 50 CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.3 If fans share common exhaust duct, back-draft dampers installed		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	2.4 Common exhaust duct not shared by fans in separate dwellings		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	2.5 Total net exhaust flow of two largest exhaust fans (excluding summer cooling fans) is \leq 15 CFM / 100 sq. ft. of occupiable space when at full capacity ⁵		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	2.6 Clothes dryers exhaust vented directly to outdoors ⁶		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Fan Sound Ratings ⁷	3.1 Continuous fans rated at \leq 1 sone at minimum rated flow rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	3.2 Intermittent fans rated at \leq 3 sone, unless maximum rated flow rate \geq 400 CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Controls	4.1 Continuously-operating ventilation system and mechanical exhaust fans designed to operate without occupant intervention during all occupiable hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	4.2 Readily accessible override controls provided to occupant for continuously-operating ventilation system and mechanical exhaust fans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	4.3 If present, intermittently-operating ventilation system designed to automatically operate at least one hour out of every twelve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	4.4 Controls labeled, unless function is obvious (e.g., bathroom exhaust fan)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Air Inlets & Ventilation Source	5.1 Air inlets located \geq 10 ft. from stack, vent, exhaust hood, or vehicle exhaust and \geq 3 ft. from dryer exhaust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	5.2 Air inlets unable to be obstructed by snow, plantings, or other material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	5.3 Air inlets provided with mesh rodent / insect screen with openings \leq 0.5"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	5.4 Ventilation air comes directly from outdoors and not from adjacent dwelling units, garages, unconditioned crawlspaces, or attics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Combustion Pollutants						
6. Garage Isolation	6.1 Air-handler and return ducts <i>not</i> located within the garage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	6.2 Garage doors adjacent to occupiable spaces gasketed or made airtight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Appliances and Detectors	7.1 No ventless combustion appliances installed, except for kitchen cooking devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	7.2 One carbon monoxide detector, certified by CSA 6.19-01 or UL 2034, installed in central location near sleeping areas for homes with combustion appliances or attached garage ⁸	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Filtration						
8. HVAC Filter	8.1 \geq 6 MERV filter installed in ducted mechanical systems ⁹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	8.2 Filter located so that return and ventilation air pass through prior to conditioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	8.3 Filter accessible for maintenance by owner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	8.4 Filter rack fitted with flexible, air-tight gasketing on the surface that contacts the downstream side of the filter, or equivalent method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	8.5 Filter held firmly in place by friction-fit spring clips in the filter rack, installed on the upstream side of the filter, or equivalent method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

1. For proper procedures, exceptions, selection methods, and alternate methods to the following checklist, see the ASHRAE Standard 62.2 - 2007. All components shall be designed and installed per manufacturers' requirements and local codes.
2. The system shall have at least one supply or exhaust fan with associated ducts and controls. Local exhaust fans are allowed to be part of an exhaust ventilation system. Outdoor air ducts connected to the return side of an air handler are allowed to be part of a supply ventilation system if manufacturers' requirements for return air temperature are met. The airflow required by this standard refers to the delivered airflow of the system as installed and tested using a flow hood, flow grid, or other airflow measuring device.
3. An intermittent mechanical exhaust system shall be designed to operate as needed by the occupant. Control devices shall not impede occupant control in intermittent systems.
4. A vented range hood, or appliance-range hood combination, is required if exhaust fan flow rate is < 5 kitchen ACH.
5. If net exhaust flow exceeds allowable limit, net exhaust flow shall be reduced or compensating outdoor airflow provided. Net exhaust flow requirement is exempted if no atmospherically vented combustion or solid-fuel burning appliances are located inside the pressure boundary.
6. Electric condensing dryers equipped with condensate drain need not be vented.
7. Fans exempted from this requirement include HVAC air handlers and remote-mounted fans (i.e., fans outside habitable spaces and with ≥ 4 ft. ductwork between fan and intake grills).
8. Carbon monoxide detectors shall be placed according to NFPA 720 and be hard-wired with a battery back-up function.
9. Manufacturer filter media boxes designed to accomplish these purposes meet these requirements.