



Indoor airPLUS Gold Homes and Apartments Quality Assurance Checklists, Version 2

An Indoor airPLUS Quality Assurance Checklist shall be completed during each quality assurance file review and field review (QA review) of buildings being certified through the Indoor airPLUS program in accordance with the policies and procedures of the Home Certification Organization (HCO) ¹. This QA checklist is mandatory for buildings certified under Version 2. Review complete instructions on page 4.

Indoor airPLUS Gold Quality Assurance Checklist

QA Review			
Review Type: <input type="checkbox"/> File <input type="checkbox"/> Field		QA Reviewer: _____	Date of Review: _____
Verifier Name: _____		Status of building: <input type="checkbox"/> Pre-drywall <input type="checkbox"/> Final construction or completed	
For Multifamily: Unit Number: _____		Common Spaces: _____	
Original Verification			
Verifier Company Name: _____			
Pre-Drywall Inspection:		Verifier Name: _____	ID #: _____ Date: _____
Final Inspection:		Verifier Name: _____	ID #: _____ Date: _____
Building Address: _____ City: _____ State: _____ Zip Code: _____			
Building Name (Multifamily only): _____ Number of Units: _____			
Building Classification			Classified Correctly
<input type="checkbox"/> New Construction ²	Climate Zone (0-8): _____ Moisture Zone (A-C): _____ Radon Zone (1-3): _____		Yes
<input type="checkbox"/> Gut Rehabilitation ²	Termite Probability: <input type="checkbox"/> Very Heavy <input type="checkbox"/> Moderate to Heavy <input type="checkbox"/> N/A		No
			<input type="checkbox"/>
			<input type="checkbox"/>
Action Items / Summary of QA			Yes
If any Items below are marked "No" or "Not Verified," an action/explanation summary document shall be attached.			No
			N/A
Documentation Collection – Collect these items from the Verifier as part of the QA data file			Yes
Documentation that builder had an Indoor airPLUS partnership agreement at the time of certification. If documentation of active partnership cannot be verified, contact indoor_airplus@epa.gov .			No
			N/A
Documentation collected that home/building achieved ENERGY STAR certification.			<input type="checkbox"/>
Verification Checklist collected, with no Items left blank or marked Must Correct.			<input type="checkbox"/>
Verifier name, inspection dates and verifier initials are recorded.			<input type="checkbox"/>
List of any exemptions or alternatives used by the Verifier.			<input type="checkbox"/>
Per 2.1.1 and 2.1.2, radon test results collected, demonstrating radon levels <4 pCi/L. ³			<input type="checkbox"/>
Per 3.1.3 or 3.1.4, documentation collected that foundation and slab termite requirements are met.			<input type="checkbox"/>
Per 3.3.1, for multifamily buildings, a plan or contract for integrated pest management collected.			<input type="checkbox"/>
Per 4.1, for newly installed HAC systems, design documentation and start-up reports collected; for existing HAC systems, service record collected.			<input type="checkbox"/>
Per 4.2.2, where Exception for CZ 4A is used, modeling results collected demonstrating < 876 hrs over 60% RH. ³			<input type="checkbox"/>
Per 4.3.1 and 4.3.2, for newly installed HAC duct systems, duct design documentation collected.			<input type="checkbox"/>
Per 4.6.5, documentation collected for measured dwelling unit ventilation airflow.			<input type="checkbox"/>
Per 4.6.7, documentation collected for dwelling unit ventilation fan reporting sound rating maximum of 1 sone. ³			<input type="checkbox"/>
Per 4.7.2, documentation collected for bathroom exhaust fan sound rating. Continuous = max 1 sone at no less than 20 cfm; intermittent = max 3 sones at no less than 50 cfm. ³			<input type="checkbox"/>
Per 4.8.3, documentation collected for kitchen exhaust fan sound rating. Continuous = max 1 sone at no less than 25 cfm; intermittent = max 2 sones at no less than 100 cfm. ³			<input type="checkbox"/>
Per 4.9.2, documentation collected of the measured ventilation airflows in common spaces.			<input type="checkbox"/>
Per 4.11.5, where ducted electronic air cleaners are installed, documentation collected reporting ozone emission values do not exceed 0.005 ppm.			<input type="checkbox"/>
Per 4.13.1, where gas-phase air cleaning devices are installed, documentation collected indicating ozone is not used.			<input type="checkbox"/>
Per 4.14.1, where UVGI or other electronic air cleaners are installed for microbial disinfection, documentation collected reporting ozone emission values do not exceed 0.005ppm.			<input type="checkbox"/>
Per 5.1.4, for a gut rehabilitation, where an existing chimney/flue is present, documentation collected demonstrating a passing result from a Level II NFPA 211 inspection.			<input type="checkbox"/>
Per 5.1.5.2, documentation collected showing factory-built fireplaces meet the requirements of UL 127.			<input type="checkbox"/>
Per 5.1.5.3, documentation collected showing wood stoves and fireplace inserts meet the requirements of section 3.8 of UL 1482, AND meet the emission requirements of EPA's New Source Performance Standards.			<input type="checkbox"/>
Per 5.1.5.4, documentation collected showing pellet stoves meet the requirements of ASTM E1509, AND meet the emission requirements of EPA's New Source Performance Standards.			<input type="checkbox"/>
Per 6.1-6.6, for all newly installed building materials, documentation collected on VOC emission rates.			<input type="checkbox"/>
Per 6.8, for a gut rehabilitation, where Verifier indicates Asbestos Containing Material (ACM) found, documentation collected regarding removal/encapsulation.			<input type="checkbox"/>



Indoor airPLUS Gold Homes and Apartments Quality Assurance Checklists, Version 2

Per 6.9, where Verifier indicates lead-based paint was identified, risk assessment and mitigation documentation collected.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For file review: documentation collected to demonstrate compliance with items not listed above.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Verifier name, verifier inspection dates and verifier initials are recorded.	<input type="checkbox"/>	<input type="checkbox"/>	-

Verification Checklist – Mandatory during Field Review or File Review, except where noted.		Yes	No	Not Verified	N/A
Section 1 – Moisture Control					
<i>Water Managed Site and Foundation</i>					
1.1	1.1.1 Impermeable surfaces sloped ≥ 0.25 in. per ft. away from the building.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.1.2 Exterior drains are free of debris.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.1.3 <u>Newly installed</u> back-fill tamped and final grade sloped ≥ 0.5 in. per foot. ³ Exception: <input type="checkbox"/> Swales/drains <input type="checkbox"/> Professional verified soils <input type="checkbox"/> Graded after settling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2	1.2.1 <u>Newly constructed</u> foundations, drain tile or CFDS is installed to discharge outside. ³ Exception: <input type="checkbox"/> Professional verified Group I Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.2.2 Foundation walls/slabs verified to be free from moisture or otherwise mitigated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.2.3 Sump cover is mechanically attached and drain discharges ≥ 5 ft. from foundation. ³ Exception: <input type="checkbox"/> Discharge professionally designed or verified Group I Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3	1.3.1 In lowest area of basement, a floor drain installed with trap seal or moisture monitoring system with audible alarm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4	1.4.3 Crawlspace without slabs in <u>Moist (A) Zones</u> , Class I vapor retarder installed with penetrations/seams/edges overlapped and sealed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.4.4 <u>Existing</u> slabs in <u>Moist (A) Zones</u> where Items 1.4.1 and 1.4.2 cannot be verified, a continuous/sealed Class I or Class II vapor retarder installed on top of slab. For occupiable spaces, vapor retarder is either a durable floor surface or covered by one.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5	1.5.1.3 Interior surfaces of foundation walls verified for no active moisture intrusion. ⁴	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6	1.6.1 Crawlspace and basements are not vented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.6.2 In <u>Moist (A) & Marine (C) Zones</u> active dehumidification provided in basements or crawlspaces by HAC or supplemental system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Water-Managed Wall Assemblies</i>					
1.7	1.7.3 Weep holes for masonry veneer and/or weep screed for stucco cladding installed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8	1.8.2 Windows and doors fully close/latch; no visible moisture intrusion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
<i>Water-Managed Roof Assemblies</i>					
1.9	1.9.1 Gutter system discharges ≥ 5 ft from foundation, into underground catchment, or sewer/rainwater management system. ³ Exceptions: <input type="checkbox"/> Slab-on-grade <input type="checkbox"/> Dry (B) Climates <input type="checkbox"/> Professional verified soils <input type="checkbox"/> Rock bed w/ liner <input type="checkbox"/> Rainwater harvesting systems <input type="checkbox"/> Continuous rubber membrane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	1.9.2 If utilizing item 1.9.1 exception, extra protection for splash damage included.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.9.3 Gutters and downspouts securely installed and clear of debris.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.10	1.10.2 <u>Newly installed</u> roofing includes kickout flashing installed at low end of roof-to-wall intersections.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.12	1.12.1 <u>Existing</u> vented attics insulated to minimum R-49. ³	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.12.2 Between vented attics and living space, gaps and penetrations are sealed where accessible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.13	1.13.1 No active leaks or water intrusion in attics and roof assemblies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
<i>Interior Moisture Management</i>					
1.15	1.15.1 Drain pan connected to a drain for condensate-producing HVAC equipment and secondary drain system meets 2021 IMC 307.2.3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	1.15.2 For tank type hot water heater/storage where leakage could cause damage, drain pan and drain OR detection system with shutoff included.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.15.3 Non-vented clothes dryers plumbed to a drain.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.17	1.17.1 Water-resistant flooring installed where moisture or splash damage could occur.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
1.19	1.19.1 Interior surfaces verified to be mold and moisture free without signs of rot or decay or potential moisture intrusion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	1.19.2 Exterior wall surfaces verified to be free from degradation, rot or decay, or potential moisture intrusion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Section 2 – Radon Testing					
2.1	2.1 If radon mitigation is installed, system is: <input type="checkbox"/> Active <input type="checkbox"/> Passive <input type="checkbox"/> N/A (none installed) and matches what Verifier documented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Section 3 – Pests					
3.1	3.1.1 Exterior penetrations and joints sealed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	3.1.2 No signs of active termite infestation or structural damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-



Indoor airPLUS Gold Homes and Apartments Quality Assurance Checklists, Version 2

3.2	3.2.1	Corrosion-proof pest screens installed at openings that cannot be fully sealed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	3.2.2	Corrosion-proof screen, louver, or grille for all ventilation termination fittings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	3.2.3	Dryer ducts include weather-resistant termination or louver.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3.2.4	Screens provided for all operable windows.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3	3.3.3	Multifamily buildings include sanitary floor drains in common trash/recycling rooms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4	3.4.1	No evidence of pest-contaminated materials within building.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Section 4 – HVAC Systems						
<i>Heating and Cooling Design and Inspection</i>						
4.1	4.1	Manufacturer model number matches the design and documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	4.2.1	Humidity monitoring provided in the main living area of the dwelling unit is: ³ <input type="checkbox"/> Integrated with HAC controls <input type="checkbox"/> A standalone hygrometer Exception: <input type="checkbox"/> RH monitoring by building management platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	4.2.2	Moist (A) CZ 1-4: Equipment installed to maintain RH at or below 60% is: ³ <input type="checkbox"/> Ventilating or whole-home dehumidifier <input type="checkbox"/> RH sensor is integrated w/ cooling system(s) Exception for CZ 4A: <input type="checkbox"/> Humidity data recording, modeling & dehumidification readiness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	4.3.5	Where visible, ducts inspected to be dry, with no evidence of mold and without tears/disconnections.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.3.6	Where visible, dwelling-unit ducts sealed at joints, seams, penetrations with compliant material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.3.8	Dwelling unit ducts tested to meet total duct leakage requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.3.9	Dwelling unit ducts tested to meet leakage to outdoors requirements. ³ Exceptions: <input type="checkbox"/> DLTO testing not required where all ducts are within pressure boundary <input type="checkbox"/> Total duct leakage ≤4 CFM25 per 100 sf of CFA or ≤ 40 CFM25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	4.4.1	Air-handling equipment and/or ductwork is not located in garages. ³ <input type="checkbox"/> Systems providing independent garage heating and/or ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.4.2	All HAC equipment and ductwork is located within thermal and air barrier boundary. ³	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.5	4.5.1	Bedrooms with ducted HAC systems are pressure-balanced. <input type="checkbox"/> Moist (A) climate zones 1-3 verified ±3 Pa <input type="checkbox"/> All other climate zones verified ±5 Pa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Mechanical Ventilation</i>						
4.6	4.6.1	Balanced mechanical ventilation is installed in the dwelling unit being reviewed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	4.6.2	Ventilation override control is labelled. For one-and two-family buildings and townhouses, override control is also readily accessible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	4.6.3	Air inlets verified to pull air directly from outdoors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.6.4	Outdoor air inlets ≥ 2 ft. above grade or roof deck; ≥ 3 ft. from dryer exhausts and contamination sources exiting the roof; ≥ 10 ft. from all other contamination source exits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.6.5	Ventilation is measured at both supply and exhaust in accordance with ANSI/RESNET/ICC Std. 380 and meets Section 4 of ASHRAE 62.2-2019 and is measured within 20 cfm of the verifier's measured airflow.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	4.6.6.1	Outdoor air passes through a ≥ MERV 13 filter prior to distribution.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.6.6.2	Outdoor air filters are readily-accessible for maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.6.7	Manufacturer model number matches the documentation collected for dwelling unit ventilation fan sound rating.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.7	4.7.1	Bathroom ventilation exhausts directly outdoors meeting ASHRAE 62.2-2019 Section 5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.7.2	Manufacturer model number matches the documentation collected for bathroom exhaust fan sound rating.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.7.3	Bath fans integrated with dwelling-unit ventilation have on/off controls labeled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.7.4	Demand-controlled bath fans include occupancy/humidity sensor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.8	4.8.1	Demand-controlled kitchen exhaust is located at the cooktop or range, vented to outdoors, and measured to meet ASHRAE 62.2-2019 Section 5 at speed setting rated at ≤2 sones. ³ Exception to exhaust at cooktop: <input type="checkbox"/> Multifamily with continuous exhaust Exception to measurement: <input type="checkbox"/> Microwave-range hood meets additional requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.8.2	If continuous exhaust is present in the kitchen, grille meets cooktop separation distance and has MERV 3 or washable filter.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.8.3	Manufacturer model number matches documentation collected for kitchen exhaust fan sound rating.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.9	4.9.1	Common space ventilation air provided directly from outdoors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.9.2	Common space ventilation and exhaust measured to meet or exceed ASHRAE 62.1-2019. ⁵	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.9.3.1	Common space ventilation outdoor air passes through MERV 13 or higher filter prior to distribution.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.9.3.2	Outdoor air intake, filter, fan unit are accessible for maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.10	4.10.1	Central vacuum systems exhaust to outdoors and ≥ 10 ft. from ventilation air inlets.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Indoor airPLUS Gold Homes and Apartments Quality Assurance Checklists, Version 2

	4.10.2 Vented clothes dryers exhaust to outdoors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filtration and Air Cleaning					
4.11	4.11.1 Filters rated MERV 13 or higher installed prior to final inspection. Exception for <u>existing</u> HAC systems in dwelling units: <input type="checkbox"/> MERV 8 plus portable air cleaner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.11.2 HAC return air filters are accessible for cleaning and/or replacement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.11.3 Filter access panels are gasketed and/or sealed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.11.4 All return air and mechanically supplied outdoor air pass through the filter.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.11.5 Where ducted electronic air cleaners are installed, model number(s) match documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4.11.6 Ozone generators or devices intentionally using ozone not installed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
4.12	4.12.1 One of the following filtration methods provided for homes/apts. with no ducted HAC system: <input type="checkbox"/> MERV 13 or higher <input type="checkbox"/> Portable air cleaners <input type="checkbox"/> Transfer fan w/ MERV 13 or higher.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.13	4.13.1 Where installed, gas-phase air cleaning devices model numbers match documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.14	4.14.1 Where provided, UVGI or other electronic air cleaners (e.g., plasma generators, PCOs, etc.) model numbers match documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Section 5 – Pollutant Control					
5.1	5.1.1 Combustion furnaces, boilers, water heaters mechanically drafted or direct-vented. ³	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5.1.2 Fireplaces mechanically drafted or direct-vented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5.1.2.1 Liquid or gas-burning fireplaces have permanently affixed glass front or gasketed door.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5.1.3 No unvented combustion appliances other than cooktops/ovens.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	5.1.5 Solid fuel-burning appliances meet the following requirements (check where applicable): <input type="checkbox"/> site-built masonry fireplaces sealed to prevent use or retrofitted <input type="checkbox"/> factory-built wood burning fireplaces have dedicated outdoor air & meet UL 127 <input type="checkbox"/> wood stoves/inserts meet UL 1482 Section 3.8 and EPA Performance Standards <input type="checkbox"/> pellet stoves meet ASTM E1509 and EPA Performance Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2	5.2.1 CO alarms installed in all dwelling units and located as follows: 5.2.1.1 In the same room as permanently installed fuel burning appliances; and 5.2.1.2 Centrally located on every habitable level; and 5.2.1.3 Within 21' of any door to a sleeping room	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	5.2.3 CO alarms are hardwired with battery backup.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5.2.4 CO alarm sounds when the test button is pushed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	5.3.2 For multifamily buildings, smoking/vaping prohibition is posted in common areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3	5.3.3 For multifamily buildings, where provided, designated outdoor smoking/vaping areas located a minimum of 25 ft from entries, outdoor air intakes, and operable windows.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4	5.4.1 Airtightness testing in accordance with ANSI/RESNET/ICC Std. 380 is met: <input type="checkbox"/> Detached homes > 1,000 ft ² , ≤ 3 ACH50 <input type="checkbox"/> All other homes/units ≤ 0.23 CFM50/sf encl.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
5.5	5.5.1 Doors between garages and occupied spaces are gasketed/weather-stripped and automatic door closers installed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5.5.2 Detached one- and two- family homes and townhouses with attached garages: <input type="checkbox"/> Pressure test conducted to verify effectiveness of garage-to-house air barrier; OR <input type="checkbox"/> Exhaust fan installed in garage and measured airflow ≥ 100 cfm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5.5.3 For multifamily buildings, shared parking garage exhaust systems with CO/NO2 controls and continuous ventilation rate ≥ 0.05 cfm/ft2 in standby and ≥ 0.75 cfm/ft2 otherwise.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.6	5.6.1 No combustible liquid or gas fuels stored within the building's thermal/pressure boundary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
	5.6.2 Supplemental portable combustion equipment not operated or stored within the building's thermal/pressure boundary upon final verification.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-



Indoor airPLUS Gold Homes and Apartments Quality Assurance Checklists, Version 2

Instructions for Performing Quality Assurance Review

- This checklist is used to document the quality assurance review of the items confirmed by the Verifier in an Indoor airPLUS Certified home or multifamily building.
- For a multifamily building, a single dwelling unit and a sample of common spaces are subject to review. One checklist shall be used to document all applicable items for the one dwelling unit and the common spaces. While the QA Reviewer is not required to verify compliance for each applicable component/system/appliance installed in the building, the QA Reviewer shall verify compliance for the component/system/appliance serving the dwelling unit being reviewed and in addition, the QA Reviewer shall verify compliance for a minimum of two systems/appliances that serve a common space. Where the item applies to a building component rather than system, this shall be verified in at least one common space.
- During File or Field Review, complete the Action Items / Summary of QA, Documentation Collection, and Verification Checklist sections. As with original Indoor airPLUS verification, items for QA may be verified visually on-site during construction/rehabilitation, by reviewing photographs taken during construction/rehabilitation, by reviewing material or equipment documentation, or through equivalent methods as appropriate.
- In accordance with the HCO's policies, a limited amount of the required QA Field Reviews may be performed at the pre-drywall stage. Mark items that are not yet installed as "N/A." ¹
- Where a checklist item cannot be verified because it is not visible, not accessible, cannot be tested, or there are other extenuating circumstances, mark the box in the column "Not Verified," and include an explanation in an attached document.
- Additional items may be reviewed at the reviewer's discretion and included in the Additional Checklist Items and Exemptions report below.
- Items found to be out of compliance shall be corrected. If correction is not possible, the building's certification is required to be withdrawn (please contact indoor_airplus@epa.gov for guidance).

Footnotes

1. Home Certification Organizations (HCOs) are independent organizations recognized by EPA to implement the Indoor airPLUS certification program. Learn more and find a current list of HCOs at energystar.gov/partner_resources/residential_new/working/other_participants/hco.
2. Where building is classified as a "gut rehabilitation", items for "existing" components shall be verified during the QA review. These components are not required to be verified where the building is classified as "new construction". Items for "newly installed" components shall be verified during the QA review for buildings classified as "new construction" and where the Verifier's checklist indicates the component was newly installed and verified as part of the gut rehabilitation.
3. This item has/is an exemption or alternative. Refer to the Verification Checklist for details. When an item is properly met using an exemption or alternative, mark the item as "Yes" and record a description in the Additional Checklist Items and Exemptions table.
4. This requirement is modified from the original program requirement in order to be applicable in the context of a finished home/building.
5. For Item 4.9.2, while the QA Reviewer is not required to verify compliance with the ventilation requirements in each common space, the QA Reviewer is required to review the Verifier-provided common space ventilation test results for compliance. The QA Reviewer is then required to directly measure ventilation airflows for the lesser of 5 or 20% of the reported values.

