Standards of Reference: Refer to Section 9 of the Energy Auditor Scheme Handbook.

ID	Section
	Exterior Evaluation
EXT-01	**GATED ITEM** Candidate prepared combustible gas **AND** carbon monoxide (CO) measurement instruments per manufacturer's instructions.
EXT-02	Candidate determined building orientation **AND** discussed its impact on the building.
EXT-03	Candidate identified the materials for siding **AND** foundation **AND** roofing.
EXT-04	Candidate assessed **AND** discussed potential lead-based paint hazards.
EXT-05	Candidate assessed possible components **OR** issues that could affect the structural integrity of the building. If no issues are identified, candidate discussed components **OR** issues that could affect the structural integrity of the building.
EXT-06	Candidate identified **one** exterior combustion appliance venting termination **OR one** mechanical penetration.

ID	Section
	Interior Evaluation
INT-01	**GATED ITEM** Candidate tested indoor ambient carbon monoxide levels (CO) **AND** verbally stated the readings **AND** took appropriate action according to the current standard of reference.
INT-02	Candidate tested indoor ambient air for combustible fuel gases on each floor **AND** verbally stated the readings **AND** took appropriate action according to the current standard of reference.
INT-03	Candidate determined the presence **AND** condition of smoke detectors **AND** carbon monoxide detectors.
INT-04	Candidate identified **AND** assessed potential air leakage locations.
INT-05	Candidate identified **OR** discussed presence **AND** placement of vapor retarders.
INT-06	Candidate assessed **AND** identified moisture issues. If no issues are identified, candidate discussed potential moisture issues.
INT-07	Candidate assessed **AND** identified potential electrical hazards. If no issues are identified, candidate discussed potential electrical hazards.
INT-08	Candidate assessed **AND** identified evidence of pest/vermin infestations. If no issues are identified, candidate discussed potential evidence of pest/vermin infestations.
INT-09	Candidate assessed the building for evidence of structural damage **OR** water damage. If no issues are identified, candidate discussed potential evidence of structural damage **OR** water damage.
INT-10	Candidate verified that clothes dryer is properly vented to the exterior **AND** determined if venting materials are appropriate to the appliance type. If venting is inaccessible, candidate discussed proper venting conditions **AND** venting materials appropriate for the appliance type.
INT-11	Candidate assessed the building for conditions that would interfere with or prevent blower door testing. If no issues are identified, candidate discussed conditions that would interfere with or prevent blower door testing.
INT-12	Candidate assessed the building for hidden or inaccessible spaces. If none are identified, candidate discussed commonly found hidden or inaccessible spaces.

ID	Section
	Interior Evaluation (continued)
INT-13	Candidate conducted combustion gas leak testing according to current version of ANSI/BPI-1200, testing a representative sample of the piping for 1-2 minutes **AND** on at least 3 fittings.
INT-14	Candidate recommended leak detection solution to verify positive reading from detector.
INT-15	Candidate identified **OR** discussed possible deficiencies in the fuel supply lines.

ID	Section
	Doors and Windows
DW-01	Candidate assessed **one** exterior door, including type **AND** material.
DW-02	Candidate assessed condition of **one** exterior door, including evaluation of hardware **AND** door sweep **AND** seals **AND** operation.
DW-03	Candidate accurately measured **one** window **OR one** door.
DW-04	Candidate assessed **one** exterior window type.
DW-05	Candidate assessed **one** exterior window frame material.
DW-06	Candidate assessed **one** exterior window glazing type.
DW-07	Candidate assessed condition of **one** exterior window, including evaluation of hardware **AND** seals **AND** operation.
DW-08	Candidate assessed **one** type of existing interior shading **AND one** type of existing exterior shading. If no shading exists, candidate discussed **one** type of interior **AND one** type of exterior shading.
DW-09	Candidate identified **three** thermal characteristics of **one** exterior window **AND three** thermal characteristics of **one** exterior door.

ID	Section
	Walls
WA-01	Candidate assessed wall type, including structure **AND** interior **AND** exterior finishes.
WA-02	Candidate assessed wall thickness **AND/OR** cavity depths.
WA-03	Candidate assessed presence **AND** type of wall insulation. If wall insulation is not accessible, candidate described how to **safely** determine insulation type.

ID	Section
	Attic
AT-01	Candidate assessed attic insulation type **AND** depth.
AT-02	Candidate assessed attic insulation condition **AND** coverage.
AT-03	Candidate identified **AND** assessed location of existing thermal boundary **AND** alignment with pressure boundary.

ID	Section
	Mechanical Ventilation
MV-01	Candidate identified existing mechanical ventilation type(s) **AND** controls.
MV-02	Candidate verified that exhaust fans are properly vented to the exterior (**OR** discussed if not accessible).
MV-03	Candidate assessed the condition of the ventilation ductwork (**OR** discussed if not accessible).
MV-04	Candidate accurately measured existing flow rate of **one** ventilation fan.

ID	Section
	Appliance and Baseload
AB-01	Candidate collected manufacturer's data plate information from **one** electric appliance.
AB-02	Candidate assessed lighting and identified bulb type **AND** wattage **AND** fixture **AND** usage for **one** lamp/luminaire.
AB-03	Candidate correctly identified the amperage rating of the main electrical panel (**OR** discussed if main electrical panel is not accessible).
AB-04	Candidate identified **OR** discussed additional base-load appliances that use energy.
AB-05	Candidate measured **OR** discussed how to measure the flow rate of a showerhead or faucet.

ID	Section
	Heating, Cooling and DHW Equipment
HC-01	Candidate identified heating/cooling system type(s) **AND** fuel type.
HC-02	Candidate collected manufacturer's data plate information from **one** of the following: heating **OR** ventilation **OR** air conditioning, **OR** water-heating.
HC-03	Candidate identified location **AND** type **AND** appliance(s) served by **one** thermostat.
HC-04	Candidate identified **three** safety features related to **one** HVAC appliance.
HC-05	Candidate identified existing heating/cooling system health and safety concerns. If none are present, candidate discussed potential heating/cooling system health and safety concerns.
HC-06	Candidate assessed general condition of combustion appliances **AND** assessed the condition **AND** configuration **AND** material **AND** pitch of the venting.
HC-07	Candidate evaluated the distribution system integrity.
HC-08	Candidate assessed opportunities for distribution system insulation.
HC-09	Candidate identified water heating appliance type **AND** fuel type.
HC-10	Candidate identified existing water-heating appliance health and safety concerns. If none are present, candidate discussed potential water-heating appliance health and safety concerns.
HC-11	Candidate identified **two** safety features related to water-heating appliance.

ID	Section
	Combustion Appliance Zone (CAZ) Testing
CZ-01	Candidate identified combustion appliance zone (CAZ).
CZ-02	Candidate properly set up home for CAZ testing.
CZ-03	Candidate correctly set up manometer **AND** tubing.
CZ-04	Candidate correctly measured initial pressure (baseline) differential in the CAZ with reference to outside.
CZ-05	Candidate turned on all exhaust appliances **AND** recorded **OR** verbally stated the reading on the manometer.
CZ-06	Candidate checked the impact of the HVAC air handler in the CAZ **AND** recorded **OR** verbally stated the reading on the manometer. If the air handler cannot run independently, candidate must discuss potential impact of air handler operation within the CAZ.
CZ-07	Candidate configured **ALL** interior doors, including CAZ door (using sensory, smoke, or manometer), to create greatest CAZ depressurization **AND** recorded **OR** verbally stated the reading on the manometer.
CZ-08	Candidate identified conditions causing greatest CAZ depressurization.
CZ-09	Candidate checked for spillage in **one** appliance under greatest CAZ depressurization **AND** stated time limits for spillage testing based on current version of ANSI/BPI-1200.
CZ-10	Candidate determined if the appliance passes the spillage test.
CZ-11	Candidate made appropriate recommendations for the CAZ according to current version of ANSI/BPI-1200.

ID	Section
	Combustion Safety and Efficiency Testing, Oven and Stovetop Testing
CS-01	**GATED ITEM** Candidate tested indoor air levels for carbon monoxide throughout combustion safety and efficiency testing **AND** took appropriate action according to current standard of reference. Candidate verbally stated the readings.
CS-02	Candidate accurately measured CO in the flue gases of **one** natural draft vented appliance at the time interval specified in current version of ANSI/BPI-1200.
CS-03	Candidate applied correct action level based on test results for CO in the flue of the appliance, referencing current version of ANSI/BPI-1200.
CS-04	Candidate accurately measured **AND** evaluated Steady State Efficiency of heating system.
CS-05	Candidate accurately measured temperature rise in heating system **AND** compared result to manufacturer's specified range.
CS-06	Candidate checked for items, excessive debris inside oven.
CS-07	Candidate used appropriate sampling location for the oven test **AND** obtained accurate CO measurement at the time interval specified in current version of ANSI/BPI-1200.
CS-08	Candidate applied correct action levels in current version of ANSI/BPI-1200 based on test results for CO in oven.
CS-09	Candidate visually inspected stovetop burners for flame quality.

ID	Section
	Blower Door Testing
BD-01	**GATED ITEM** Candidate ensured that combustion appliances cannot fire during blower door testing.
BD-02	Candidate verified solid fuel appliances are in the appropriate condition to allow for blower door testing to be performed. If solid fuel combustion appliances are not present, candidate discussed appropriate conditions for blower door testing.
BD-03	Candidate correctly set up the blower door frame/shroud/fan.
BD-04	Candidate correctly set up house in accordance with one of the approved methods listed in current version of ANSI/BPI-1200.
BD-05	Candidate correctly set up the manometer **AND** tubing.
BD-06	Candidate correctly measured baseline pressure differential.
BD-07	Candidate conducted test to obtain an accurate CFM50 reading.
BD-08	Candidate correctly interpreted the blower door reading **AND** discussed recommendations.
BD-09	Candidate correctly performed single point zonal pressure differential of **one** zone **AND** interpreted results.
BD-10	Candidate correctly performed pressure pan test on **one** duct register **AND** interpreted results.
BD-11	Candidate determined **two** points of infiltration/exfiltration with blower door running.

ID	Section
	Duct Pressurization Testing
DP-01	Candidate demonstrated how to connect duct tester fan to distribution system **correctly** (do not turn on fan).
DP-02	Candidate correctly set up manometer **AND** tubing **AND** probe for duct testing.
DP-03	Candidate demonstrated how to temporarily seal **one** duct register.
DP-04	Candidate discussed procedure for conducting full duct pressurization test.
DP-05	Candidate discussed applicable standard(s) for interpreting duct tester diagnostic results.
DP-06	Candidate discussed how to prioritize repairs.