

Residential Changeout Inspection Performance Log

Appliance and Equipment: _____

Power: Gas: Natural ___ Propane ___

Elec: ___

Nameplate: _____

Inspection Item - Code Reference

Installation – M1200 & M1300

Access to Equipment – M1305

Clearance to combustibles – M1303

Venting-General and components – M1801

Venting-Connectors – M1803

Vent-Terminations – M1804

Air Duct Transition – M1601

Combustion Air – G24

Gas Piping Install – G24

Condensate disposal – M1411

Inspection Item:	Code Reference	
<p>Access to Equipment: Identify type of mechanical appliance and if location is acceptable.</p> <p>Verify size access opening-Min 22" x 30" finished- Access opening large enough to remove largest piece of equipment</p> <p>Confirm passageway to appliance/equipment- Min 24" walkway from access opening to equipment; 20' max distance</p> <p>Verify platform location and size-verify working clearances- Min 30" wide work platform full length in front of equipment access; min. 30' head clearance</p> <p>Electrical requirements (lighting outlet and receptacle) Lamps protected</p>	<p>NCRC: M1305 M1305.1.2 M1305.1.3 M1305.1.3.1 M1305.1.4 M1305.1.4.2 M1305.1.4.3 M1305.1.4.4 NEC210.63 NEC210.70(3) G2406</p>	
<p>Installation:</p> <p>Recognizing alterations and existing installations</p> <p>Manufacturer's installation instructions available</p> <p>Nameplate information affixed:</p> <p>Identify appliance installation in approved location.</p> <p>Confirm no physical damage from install-pipes protected trough bored holes/framing members</p>	<p>NCRC</p> <p>M1202.1 M1202.2 M1303.1 M1307.1 M1307.3 M1308.1 M1308.2 G2404</p>	

	<p>G2405</p> <p>G2406</p> <p>G2408</p>	
<p>Clearance to combustibles:</p> <p>Verify affixed listing and labeling information</p> <p>Confirm working clearances side/total as required and by manufacturers installation instructions</p> <p>See clearance reductions if needed and per manufacturer's instructions.</p>	<p>NCRC:</p> <p>M1303.1</p> <p>M1306.1</p> <p>M1306.2</p> <p>G2409</p>	
<p>Venting-General and components:</p> <p>Verify vent type-compatibility and material.</p> <p>Confirm vents installed properly</p> <p>Check vent supports</p> <p>Check draft requirements</p> <p>Existing chimneys/vents sized properly and unobstructed</p> <p>Check airspace clearance to combustibles</p> <p>Confirm space around lining if within chimney</p> <p>Confirm no leakage of venting system</p> <p>Any unused openings capped</p> <p>Multiple vented appliances connected correctly</p>	<p>NCRC</p> <p>M1801.1</p> <p>M1801.2</p> <p>M1801.3</p> <p>M1801.3.4</p> <p>M1801.4-7</p> <p>M1801.10</p> <p>M1801.11</p>	

<p>Venting-Connectors</p> <p>Vent and chimney connectors installed per manufacturers installation instructions-not smaller than collar</p> <p>Check connector vent size and acceptable location (not through floors/ceilings) and accessible</p> <p>Affirm positive pitch of connectors</p> <p>Measure length of horizontal run</p> <p>Determine clearances to combustible material</p> <p>Check joints for fasteners and leaks</p> <p>Appliances connected to chimneys must comply with M1803.4</p>	<p>NCRC</p> <p>M1803.3</p> <p>M1803.3.1</p> <p>M1803.3.2</p> <p>M1803.3.3</p> <p>M1803.3.4</p> <p>M1803.3.5</p> <p>M1803.4</p> <p>G2422</p>	
<p>Vent-Terminations:</p> <p>Identify type of vent and listed-labeled</p> <p>Termination through roof flashed</p> <p>Termination height above appliance</p> <p>Natural draft type vent has been installed, check for a minimum of 5' height or more termination and collar</p> <p>If Type L vent has been installed, check for 2' above roof and 2' above any portion of building within 10'.</p> <p>Direct Vent Terminations as per manufacturer</p> <p>Horizontal Terminations-check NCRC</p> <p>Vertical Terminations-check NCRC</p> <p>Termination Cap listed and in place-no unlisted decorative caps</p>	<p>NCRC</p> <p>M1804.1</p> <p>M1804.2</p> <p>M1804.3</p> <p>M1804.2.5</p> <p>M1804.2.6</p> <p>M1804.2.6.1-2</p>	

<p>Air Duct Transition: Determine that the type of materials used are suitable for the location where they are installed. (above grade/below grade/garage, etc.)</p> <p>Examine joints for air tightness and fastening. Installation connections/seams taped UL181A...</p> <p>Examine duct supports for type and spacing.</p> <p>Confirm that insulation is according to code requirements.</p> <p>Flexible connectors no longer than 10"</p>	<p>NCRC</p> <p>M1601.1</p> <p>M1601.1.1</p> <p>M1601.2</p> <p>M1601.3</p> <p>M1601.4</p>	
<p>Combustion Air: Is combustion air provided. (closed attic)</p> <p>Determine if sufficient combustion air is provided-if additional combustion air is required, confirm installation of source.</p> <p>Conform combustion air duct installation (material, size, terminations, screening, obstructions, etc.) if needed</p>	<p>NCRC</p> <p>G2407.1</p> <p>G2405.5-11</p>	
<p>Gas Piping Install: Check shutoff valve location and installation for code compliance.</p> <p>Confirm that piping and tubing components are sized correctly</p> <p>Check system to be sure it is sized to meet the required demand of attached appliance</p> <p>Verify that all fittings and joining means and fitting-to pipe means are</p>	<p>NCRC</p> <p>G2411</p> <p>G2412</p> <p>G2413</p> <p>G2414</p> <p>G2415</p> <p>G1419</p> <p>G2420</p>	

<p>compatible and comply with the code and meet the manufacturer's recommendation</p> <p>Drip leg sediment trap is installed as part of gas utilization equipment or at the inlet of the equipment.</p> <p>Appliance shut off installed</p> <p>Connector installed and protected</p> <p>Verify that hangers and supports are of sufficient strength to support piping and are of compatible materials-spaced correctly.</p> <p>Gas labels in place and pipe sized according to demand</p> <p>Gas pipe protected-confirm that concealed tubing that penetrates a stud, joist or framing member has been protected from puncture</p> <p>Is gas piping bonded</p>	<p>G2421</p> <p>G2422</p> <p>G2424</p>	
<p>Condensate disposal:</p> <p>Primary drain conveyed to approved place of disposal</p> <p>Drainpipe slope min 1%</p> <p>Confirm auxiliary and second drain system installed</p> <p>Water leveling device on downflow installed</p> <p>Drainpipes are of approved material and min 3/4"</p> <p>Condensate line trapped and configured for cleaning</p> <p>Equipment not subject to water damage with water resistant supports if used</p>	<p>NCRC</p> <p>M1411</p> <p>M1411.3.1</p> <p>M1411.3.1.1-5</p>	

