

## TYPICAL INSPECTIONS (Page 1 of 2)

Every permit that is issued has at least one required inspection to be performed in order to determine substantial compliance with the State Building Code. Your particular project may require additional inspections in addition to those listed below. In general our office will require a minimum of 1-2 days advanced notice to schedule inspections. On occasion the inspection may not be able to be scheduled for several days. An approved set of construction documents shall be kept at the site of work and shall be open to inspection by the building official or his or her authorized representative. **Separate permits are required for all mechanical, electrical, plumbing, fuel gas, and demolition work.**

**Certificate of Approval:** A certificate of approval shall be issued indicating substantial compliance for all completed work that requires a building permit but does not require a certificate of occupancy. Such work shall include, but not be limited to: re-roofing; re-siding; fences over 6 feet in height; retaining walls over 3 feet in height; and electrical, plumbing, and mechanical repairs or alterations performed on the absence of additional work that requires a certificate of occupancy.

### MECHANICALS / HVAC

<b>Rough HVAC</b>	<ol style="list-style-type: none"> <li>1. All piping and ductwork installed.</li> <li>2. Ductwork – All joints, seams and connections are made substantially airtight with tapes, gasketing, mastics (adhesives) or other approved closure system.</li> <li>3. Ductwork in unconditioned spaces or outside the building are insulated to at least R-6.</li> <li>4. Ductwork in attics are insulated to at least R-8.</li> <li>5. Nail plates installed.</li> <li>6. Duct tightness test performed.</li> </ol>
<b>Rough Electric</b>	<ol style="list-style-type: none"> <li>1. All boxes and wiring installed.</li> <li>2. Wire attachments.</li> <li>3. Nail plates installed.</li> </ol>
<b>Underground Utilities</b>	<ol style="list-style-type: none"> <li>1. All piping and conduits are installed and trench is open.</li> <li>2. Appropriate utility tape is ready for installation.</li> </ol>

### FUEL / GAS

<b>Underground Utilities</b>	<ol style="list-style-type: none"> <li>1. All piping and conduits are installed and trench is open.</li> <li>2. Appropriate utility tape is ready for installation.</li> </ol>
<b>Fuel Gas Line</b>	<ol style="list-style-type: none"> <li>1. All lines and valves installed.</li> <li>2. Nail plates installed.</li> <li>3. Pressure test, minimum 3 psig or 1 ½ times the proposed maximum working pressure (G2417.4.1).             <ol style="list-style-type: none"> <li>a. Mechanical gauges used to measure test pressure shall have a range such that the highest end of the scale is not greater than five times the test pressure. (G2417.4).</li> </ol> </li> <li>4. Piping is bonded.</li> <li>5. Regulator vents are a minimum of 5 feet from sources of ignition.</li> </ol>
<b>Tank Installation</b>	<p>Buried tanks shall be inspected prior to backfilling with anode bag(s) in place and backfill material on site. Above ground tanks shall be placed on a firm and stable base.</p>

### PLUMBING

<b>Rough Plumbing</b>	<ol style="list-style-type: none"> <li>1. All piping installed.</li> <li>2. Nail plates installed.</li> <li>3. DWV pressure test, 5 psig for air or 10 ft of water above the highest fitting connection.             <ol style="list-style-type: none"> <li>a. Test gauge shall have increments of 0.10 psi or less.</li> </ol> </li> <li>4. Water-system test, 50 psig air             <ol style="list-style-type: none"> <li>a. Test gauge shall have increments of 1 psi or less</li> </ol> </li> </ol>
<b>Underground Utilities</b>	All piping has been installed and trench is open.

### ELECTRIC

<b>Rough Electric</b>	<ol style="list-style-type: none"> <li>1. All boxes and wiring installed.</li> <li>2. Wire attachments.</li> <li>3. Nail plates installed.</li> </ol>
<b>Underground Utilities</b>	<ol style="list-style-type: none"> <li>1. All piping and conduits are installed and trench is open.</li> <li>2. Appropriate utility tape is ready for installation.</li> </ol>
<b>Electrical Service</b>	<ol style="list-style-type: none"> <li>3. Meter socket installed.</li> <li>4. Panel installed with main disconnect and ground rods installed.</li> <li>5. Underground Utilities inspection for the service lateral approved, if applicable.</li> </ol>

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### BUILDING

INSPECTION	GENERAL DESCRIPTION
<b>Footings</b>	<ol style="list-style-type: none"> <li>1. On undisturbed soil or approved fill</li> <li>2. 42" minimum frost protection</li> <li>3. Forms in place – bottom surface of footings shall not have a slope exceeding 1:10</li> <li>4. Looking for the presence of ledge, water, frozen materials</li> </ol>
<b>Rebar</b>	Rebar in place (if applicable), developed lengths of 20' or more of #4 or larger rebar shall be bonded
<b>Deck Piers</b>	<ol style="list-style-type: none"> <li>1. On undisturbed soil or approved fill</li> <li>2. 42" minimum frost protection</li> <li>3. Forms (tubes) in place</li> </ol>
<b>Backfill</b>	<ol style="list-style-type: none"> <li>1. Waterproofing installed</li> <li>2. Foundation drainage system installed – including discharge pipe</li> <li>3. Anchor bolt spacing</li> <li>4. Sill plate installed, floor framing may be installed, no floor sheathing to be installed around perimeter</li> </ol>
<b>Deck Framing</b>	When more than 2 feet above ground
<b>Underslab</b>	<ol style="list-style-type: none"> <li>1. Vapor barrier installed</li> <li>2. Insulation installed, if applicable</li> </ol>
<b>All Conduit or Underground Utilities</b>	
<b>Masonry Fireplace Throat &amp; Chimney</b>	<ol style="list-style-type: none"> <li>1. One flue past the smoke chamber for fireplaces</li> <li>2. One flue past thimble for masonry chimneys</li> <li>3. Wood-burning fireplaces shall have gasketed doors and outdoor combustion air</li> </ol>
<b>Complete Rough</b>	To include ALL: framing, electrical, mechanical, and plumbing
<b>Insulation</b>	<ol style="list-style-type: none"> <li>1. R-values installed match approved plans</li> <li>2. Windows &amp; doors match approved plans in size, quality &amp; u-values</li> </ol>
<b>Blower Door Test</b>	Building envelope air tightness and insulation tested for air leakage of less than 7 air changes per hour when tested with a blower door at a pressure of 50 pascals (1 psf)
<b><u>Certificate of Occupancy</u></b>	<ol style="list-style-type: none"> <li>1. Occupiable condition, no furniture in the house, no wet paint</li> <li>2. Building numbers installed per the Town Ordinance</li> <li>3. Joints, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed</li> <li>4. Energy efficiency certificate is affixed to the electrical panel</li> <li>5. All devices (receptacles, switches, smoke detectors, lights, etc.) and utilities installed &amp; operational</li> </ol>
<b><u>Certificate of Approval</u></b>	A certificate of approval shall be issued indicating substantial compliance for all completed work that requires a building permit but does not require a certificate of occupancy. Such work shall include, but not be limited to: re-roofing, re-siding, fences over 6 feet in height, retaining walls over 3 feet in height, and electrical, plumbing, and mechanical repairs or alterations performed on the absence of additional work that requires a certificate of occupancy.