

Mechanical Inspection Checklist Wood-framed Residential Structures (2021 ORSC, 2022 OMSC)



Building and Safety Division/Permit Application Center

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If you need the following translated in Spanish, please call 503-588-6256

Si usted necesita lo siguiente traducido en español, por favor llame 503-588-6256

The checklists are developed cooperatively within the inspection and the plan review bodies and are related directly with the current codes as adopted by the state of Oregon. They are intended to:

- Be used as guides to assist the inspectors and plans examiners to perform efficient inspections and reviews.
- Promote consistency in the application of the building code and standard practices within the city of Salem.
- Be used by the contractors and the general public to prepare for the inspections and the construction documents.

These checklists are applicable for wood frame Residential Structures. They do not include all code requirements. Therefore, they do not waive any specific code requirements not listed or allow for the decrease in the requirements of an engineered design. It also does not add requirements where the minimum of the code has been met.

Responsibility of the permit applicant

Contractors and/or permit holders are responsible to provide the following:

1. All approved plans, documents and revisions to plans must be maintained on site and available for review at all times the building is under construction (**ORSC R106.3.1**)
2. Establish safe access to perform all inspections (**ORSC R109.1**)
3. Permit posted on site (**ORSC R105.7**)
4. Inspection Sign-off Card posted (**ORSC R105.7**)
5. Address posted on site (**ORSC R319.1**)
6. If ladders or equipment are necessary to perform inspections, all ladders and equipment shall meet minimum OSHA standards. Inspectors are not responsible for setting up or moving ladders from one location to another, within or to other buildings or structures (**ORSC R109.1**)
7. All works shall be completed prior to the time of the inspection (**ORSC R109.1**)

Underfloor Inspection

- Assure proper size of gas piping (**ORSC G2, G13, Table 2413.4 (1)**)
- Assure proper support for gas piping (**ORSC G2418**)
- Assure 4" of clearance to duct work if vapor barrier is not installed. 1" if vapor barrier is installed. (**ORSC M1601.4.8**)
- Does condensate line have a 1% slope per foot to approved disposal site? (**ORSC M1411.3**)
- Assure insulation of ducts (**ORSC M1601.3, M1601.4**)
- Verify maximum length of dryer ducts (**ORSC M1504**)

Top Out

- Assure proper size of gas piping (**ORSC G2413**)
- Verify minimum 10 lbs of test pressure for 15 minutes for 1/2 lb system (**ORSC G2417.4**)
- Verify minimum 60 lbs of test pressure for 30 minutes for 2 lb system (**ORSC G2417.4.1**)
- CSST piping requires installation per proprietary installation instructions (**OMSC C404.2, C403.4.4**)
- Assure proper support for gas piping (**ORSC G2418**)
- Assure insulation shield to maintain 1 inch clearance to B-Vents through insulated floors (**ORSC G2426.4, OMSC 807.8**)
- Assure 1 inch clearance to B-Vents (**ORSC G2427.4, R1003.18**)
- Assure protection of B-Vents through occupied spaces (**ORSC G2426.7**)
- Verify clearances to gas/wood fireplace vents and terminations per manual or specs (**ORSC G2425.15.4**)
- Verify combustion air requirements (**ORSC G2407 GAS FIRED**)
- Gas appliance not allowed in bedrooms, bathrooms and/or closets. (see exceptions) (**ORSC 2406.2, OMSC 303**)
- Verify proper size of bath fans (**ORSC Table M1505.5**) whole house
- Verify bath fans vent to outside (**ORSC M1503.3**)
- Verify B-Vent termination through roof (**ORSC G2427.6.4**)

Final

- Assure protection of all appliances in the garage (**ORSC M1307**)
- Ignition sources to be 18" above floor (**ORSC G2408.2**)
- 26 gauge duct though the fire wall required (**ORSC R302.5.2**)
- Heat Pumps/Air Conditioners on approved base and level? (**OMSC C305.7, ORSC M1305.1.3.1**)
- Assure electrical requirements have been met. (Outlet located within 25' of unit, light and receptacle located adjacent to unit in attic or underfloor) (**M1305.3.3**)
- Bath fans required in tub shower rooms and timer/humidistat requirements are met (**ORSC 1505.6**)
- Assure hard pipe or sleeve though shroud of gas fireplace and shut off valve (**ORSC G2422 (all)**)
- Verify condensate disposal. (Verify requirements if in an attic or living space) (**ORSC M1412 Sect 307**)
- Verify seismic bracing at water heater (**OMSC 301.15 ORSC 1307.2**)