



Simplified Building Method—Mechanical

2021 Oregon Energy Efficiency Specialty Code Compliance Checklist

This checklist may be used to demonstrate compliance with Section 6.3 Simplified Approach Building Compliance Path for HVAC Systems of the Oregon Energy Efficiency Specialty Code (OEESC)/ASHRAE Standard 90.1.

- Base Requirements:
1. The gross floor area of the building is less than 25,000 ft².
 2. The building is two stories or fewer in height
 3. The HVAC system(s) meets the applicable criteria in Section 6.3.2
 4. The COMcheck Inspection Checklist for Mechanical is not required to be submitted

PART I – PROJECT INFORMATION

Title/Site/Permit name:

Gross Floor Area:

Number of Stories:

PART II – COMPLIANCE

HVAC System Criteria from Section 6.3.2. Parts a. thru s. Indicate whether the individual criteria is met. Include location on plans and specs, or whether the criteria are not applicable to the submitted project.

(Check N/A if not applicable)

Section 6.3 Criteria

<input type="checkbox"/> Each HVAC system serves a single HVAC zone.	<input type="checkbox"/> N/A
<input type="checkbox"/> The equipment meets the variable flow requirements of Section 6.5.3.2.1.	<input type="checkbox"/> N/A
<input type="checkbox"/> Cooling (if any) is provided by a unitary packaged or split-system air conditioner that is either air cooled or evaporatively cooled, with efficiency meeting the requirements shown in Table 6.8.1-1 (air conditioners), Table 6.8.1-2 (heat pumps), or Table 6.8.1-4 (packaged terminal and room air conditioners and heat pumps) for the applicable equipment category. Section 6.4.3.5.1 of the 2021 OEESC shall be applied to packaged equipment selections under 241,000 Btu/h.	<input type="checkbox"/> N/A
<input type="checkbox"/> The system has an air economizer meeting the requirements of Sections 6.5.1 and 6.4.3.12.	<input type="checkbox"/> N/A
<input type="checkbox"/> Heating (if any) is provided by a unitary packaged or split-system heat pump that meets the applicable efficiency requirements shown in Table 6.8.1-2 (heat pumps) or Table 6.8.1-4 (packaged terminal and room air conditioners and heat pumps), a fuel fired furnace that meets the applicable efficiency requirements shown in Table 6.8.1-5 (furnaces, duct furnaces, and unit heaters), an electric resistance heater, or a baseboard system connected to a boiler that meets the applicable efficiency requirements shown in Table 6.8.1-6 (boilers).	<input type="checkbox"/> N/A
<input type="checkbox"/> The system meets the exhaust air energy recovery requirements of Section 6.5.6.1.	<input type="checkbox"/> N/A
<input type="checkbox"/> The system is controlled by a manual changeover or dual set-point thermostat.	<input type="checkbox"/> N/A
<input type="checkbox"/> The system controls do not permit reheat or any other form of simultaneous heating and cooling for humidity control.	<input type="checkbox"/> N/A
<input type="checkbox"/> Systems serving spaces other than hotel/motel guest rooms, and other than those requiring continuous operation, which have both a cooling or heating capacity greater than 15,000 Btu/h and a supply fan motor power greater than 0.75 hp, are provided with a time clock that: <ol style="list-style-type: none"> (1) can start and stop the system under different schedules for seven different day types per week (2) is capable of retaining programming and time setting during a loss of power for a period of at least ten hours (3) includes an accessible manual override that allows temporary operation of the system for up to two hours (4) is capable of and configured with temperature setback down to 55°F during off hours, and (5) is capable of capable of and configured with temperature setup to 90°F during off hours. 	<input type="checkbox"/> N/A

<input type="checkbox"/> If a heat pump equipped with auxiliary internal electric resistance heaters is installed, controls are provided that prevent supplemental heater operation when the heating load can be met by the heat pump alone during both steady-state operation and setback recovery. Supplemental heater operation is permitted during outdoor coil defrost cycles. <input type="checkbox"/> The heat pump is controlled by either <ol style="list-style-type: none"> (1) a digital or electronic thermostat designed for heat pump use that energizes auxiliary heat only when the heat pump has insufficient capacity to maintain set point or to warm up the space at a sufficient rate or (2) a multistage space thermostat and an outdoor air thermostat wired to energize auxiliary heat only on the last stage of the space thermostat and when outdoor air temperature is less than 40°F. <p>Exception</p> <input type="checkbox"/> Heat pumps that comply with the following: <ul style="list-style-type: none"> • Have a minimum efficiency regulated by NAECA. • Meet the requirements in Table 6.8.1-2. • Include all usage of internal electric resistance heating. 	<input type="checkbox"/> N/A
<input type="checkbox"/> Systems serving hotel/motel guest rooms shall comply with Section 6.4.3.3.5.	<input type="checkbox"/> N/A
<input type="checkbox"/> Except for piping within manufacturers' units, HVAC piping is insulated in accordance with Tables 6.8.3-1 and 6.8.3-2. Insulation exposed to weather is suitable for outdoor service, e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover. Cellular foam insulation is protected as above or painted with a coating that is water retardant and provides shielding from solar radiation.	<input type="checkbox"/> N/A
<input type="checkbox"/> Ductwork and plenums are insulated in accordance with Table 6.8.2 and sealed in accordance with Section 6.4.4.2.1.	<input type="checkbox"/> N/A
<input type="checkbox"/> Construction documents require a ducted system to be air balanced in accordance with industry accepted procedures.	<input type="checkbox"/> N/A
<input type="checkbox"/> Outdoor air intake and exhaust systems meet the requirements of Section 6.4.3.4.	<input type="checkbox"/> N/A
<input type="checkbox"/> Thermostats are interlocked to prevent simultaneous heating and cooling, where separate heating and cooling equipment serves the same temperature zone.	<input type="checkbox"/> N/A
<input type="checkbox"/> Systems with a design supply air capacity greater than 10,000 cfm have optimum start controls.	<input type="checkbox"/> N/A
<input type="checkbox"/> The system complies with the demand control ventilation requirements in Section 6.4.3.8, occupied-standby controls in Section 6.5.3.8, and the ventilation design requirements in Section 6.5.3.7.	<input type="checkbox"/> N/A
<input type="checkbox"/> The system complies with the door switch requirements in Section 6.5.10.	<input type="checkbox"/> N/A
<p>Location on plans:</p>	