

## Mechanical Inspection Checklist Commercial Structures (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.

Items	2022 OMSC/Appx "C" Fuel gas
Appliance access for inspection	R110.1, R109.1
Appliance clearance to combustibile materials	C305.8
Appliance conversion to LP-Gas	C301.41
Appliance flex connectors	Sect C411
Appliance access (general)	Sect 306
Appliance protection from vehicle impact	303.4, Fig 304.1
Auxiliary/secondary condensate drain (drain pans)	307.5
Clothes dryer make-up air	504.7
Clothes dryer exhaust length	Sect 504.9.4.1
Clothes dryer exhaust to outdoors	504.1
Clothes dryer flex ducts not in concealed construction	504.9.1
Commercial range in residential dwelling units	917.2
Condensate disposal to approved locations	307.2.1
Flood resistant installation	301.13
Gas pipe unions/fittings concealed spaces	C404.5
Gas piping supports	Table C415.1
Gas pipe repairs/additions: soap suds test for leaks	C406.1.2
Gas pipe pressure test	C406.4.1
Gas pipe sizing	Sect C402
Gas piping sleeve through foundation wall	C404.4, C404.8
Gas piping clearance above roof 3 1/2"	C404.9
Gas shut off valves	1307
Gas pipe minimum burial depth 12"	C404.12
Ground loop heat pump piping test	1208.1.1
Heat pump unit support off ground	304.10
Hydronic piping test	1210.10
Install to listing	304.1, C 305.1
LP-gas installations (NFPA58) LP-Gas Piping: Licensed plumber exempt or works for company with license: LP-gas installer license, state fire marshal ORS 480.432 (1.-7.)	C403.5.2
Manufacturer's installation instructions available	304.1
Mechanical permit required	Sect 106
Mechanical plans on job-site	106.4.1
Microwave oven over cooking range	917.1

<b>Items</b>	<b>2022 OMSC/Appx "C" Fuel gas</b>
Overhead exhaust hoods for broilers	C623.5
Pressure regulators	Sect C410
Prohibited gas appliance locations	Sects 303.3, C303.3
Protection of gas piping: nail plates	C404.7
Range hoods: domestic	Sect 505
Ready for mechanical inspection	112.1
Referenced codes/standards for mechanical	Sect 102.1.1
Sediment traps (drip-legs)	Sect C408
Used wood stoves (OAR-340-262-0020)	Sect 929.1
Ventilation air balance report	403, Sect 608

<b>COMBUSTION AIR:</b>	<b>2022 OMSC/Appx "C" (304)</b>
Air supply	Sect C304
All air from inside building	Sect C304.5
All air from outside building	Sect C304.6
Combined outside / inside air	C304.7
Opening area for louvers: percentage for metal/wood	C304.10
Prohibited sources of combustion air supply	C304.12
Room too small: 50 cu ft /1000 BTU / h	C304.5.1

<b>DUCTS</b>	<b>2022 OMSC/Appx "C"</b>
Air duct sealing UL 181 tape	Sect 603.9
Building cavities used for supply ducts prohibited	603.5.1
Ducts protected from impact damage	603.15
Exhaust duct termination	Sect 501.3.1
Metal duct supports	603.10
Outdoor air inlet screen protection	401.5, Tab 401.5
Prohibited sources of outside ventilation air supply	401.4
2 inches concrete around / under plenum in concrete slab.	603.8

<b>GAS VENTS:</b>	<b>2022 OMSC/Appx "C"</b>
Clearances for vent connectors	Tables 803.10.6, C503.10.5
Enclosing of venting system to avoid damage / contact	303.4
Insulation attic shield	802.8, C502.4
Single wall connectors in unconditioned spaces	C503.10.2.2
Sizing of "B" vent systems	Sect C504
Support of vents	802.7, C502.6
Type of venting system to be used	Table C503.4
Vent termination above roof	C503.6.4, Fig C503.6.5
Vent termination for direct vents	C503.8 (3), appx "C-C"

<b>CHIMNEYS AND VENTS:</b>	<b>2022 OMSC/Appx "C"</b>
Frame soffit of factory-built chimneys/venting systems	
"L" vent connectors clearance	Table 803.10.6
"L" vent roof termination	802.5
"L" vent insulation shield	802.8
Unused openings to be sealed	801.8, C501.5
Venting required	801.2, C501.2