

Structural Inspection Checklist Light Wood Framed Commercial Structures (2022 OSSC)



Building and Safety Division/Permit Application Center
City Hall / 555 Liberty St. SE / Room 320 / Salem, OR 97301-3513
503-588-6256 * baspac@cityofsalem.net

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.

FOOTINGS/FOUNDATIONS	2022 OREGON OSSC (Commercial)
Approval required (work done beyond required inspections)	110.3
Approved plans on job site	107.3.1
Authority of Building Official (ORS 455.150)	Sect 104.4 (inspections)
Authority of Building Inspector (ORS 455.715)	Sect 104.4 (inspections)
Basement foundation wall waterproofing / damp proofing	Sect 1805
Building Code, State law (ORS 455.020)	
Building Permit posted	105.7
Building Permit required	Sect 105.1, 101.2.1
Building strength for vertical / lateral loads	101.3, 1604.2
Changes in plans, not approved	107.4
Electrical / Plumbing / Mechanical Permit required	OESC, OPSC, OMSC 106
Engineering design for foundation required	Sect 1808.3
Engineering design required	Sect 1604.4
Flood elevation certificate required	1612.4, 110.3.3, 107.2.5
Flood resistant construction required	Sect 1612, 1402.5
Footing / foundation drains	1805.4.2
Foundation vents	1202.4.1
Geotech report required	Sect 1803.5.12
Hold downs / rebar in place @ inspection	110.3.1
Inspection request / access / ready	110.5
Low point drain or sump pump required	1804.8
Manufacturer installation instructions available	107.2.1
Minimum footing depth	1809.4
Prescriptive footing / wall rebar	Sect 1807.1.6.2.1
Presumed approval of code violations	110.1
Rebar clearance (ACI 318 Sect 7.7)	1901
Referenced codes / standards	102.4
Remove roots from under footing site	3304.1
Remove wood forms from ground	3304.1
Set backs from ascending / descending slopes	1808.7
Set backs, location on lot	107.2.6
Slab edge insulation	OEEESC E104.2
Notice of violation	114.2

FOOTINGS/FOUNDATIONS		2022 OREGON OSSC (Commercial)
Strength / Quality of concrete		1905
Structural fill		1804.6
Test or Special instructions		110.3.11, 1704
Ufer Ground Details	(OESC 250.52.(3))	In OESC
Under-slab fill / site prep / vapor barrier		1907

POST & BEAM		2022 OSSC
Anchor bolt washers 3 x 3 x .229 inches		2308.3.1.1
Beams 12 inches from ground		2304.12.1.1
Beams ½ inch clearance from concrete		2304.12.2.1
Bearing of members		2308.8.4.2.2
Boring / notching floor joists		2308.4.2.4
Cutting / notching, drilling engineered wood products		2308.4.3
Floor joist 18 inches from ground		2304.12.1.1
Foundation sill / Anchor bolts		2308.3.1.1
Galvanized fasteners for treated wood		2304.10.6
Positive connection post / beam		2308.4.1
Protection from wood decay		2304.12
Removal of under-floor debris		3304.1
Under-floor ground cover (vapor barrier)		1202.4.1.2
Under-floor access		1209.1
Vent baffles for under-floor insulation obstruction		1202.4.1

SHEAR WALLS		2022 OSSC
Braced panel blocking required		2308.6.4
Fastener Schedule, Prescriptive braced panels		Table 2308.6.3 (1)
Galvanized nails into treated wood sill plate		2304.10.6
Hold-downs / straps installed per plans or engineering		107.4
Shear wall nailing per engineering		107.4
Shear wall nails over driven		2308.6.9

ROOF NAILING		2022 OSSC
Fastener Schedule		Table 2308.6.3 (1)
Flashing		1503.2
Roof boundary / panel nailing per engineering		107.4

WALLS EXTERIOR		2022 OSSC
Anchorage of masonry veneer		1404.6
Corrosion resistant nails to attach siding		1404.17
EIFS Systems in general		1407
Flashing required		1404.7
Weather resistive barrier		1402.2

FRAMING		2022 OSSC
Attic access		1209.2
Attic vent baffles		1202.2.1
Attic ventilation required		1202.2
Bathroom / spa require exhaust fan		1202.5.2.1
Bearing for rafters / ceiling joists		2308.7.3

FRAMING	2022 OSSC
Boring / notches of studs	2308.5.9 2308.5.10
Boring / notches of engineered wood products	2308.7.9
Bearing of floor joists / stringers	2308.4.2.2
Boring / notches of rafters / ceiling joists	2308.4.2.4
Ceiling joist / rafter connections / rafter ties	2308.7.3.1
Bedroom Egress Windows	1031.2
Energy code labeling for glass windows	OEESC 104.2, ASHRAE 90.1
Fastener Schedule	Table 2304.10.2
Flame spread of "FS 25" insulation facing	720.3
Fire Blocking	718
Guards (guardrails)	1015.1
Handrails	1014.1
Hold-down nuts tightened	1604.2
Joists blocked over supports	2308.7.8
Lumber grade identification	2303.1.1
Masonry chimney clearances	2113.19
Masonry chimney fire blocking	2113.20
Masonry chimney termination above roof	2113.9
Masonry fireplace / chimney details	2111, 2113
Masonry fireplace clearances	2111.12
Plumbing / Electrical rough-in approval required	110.3.4
Positive connections (general)	2304.10.8
Protection from wood decay	2304.12
Stairway headroom clearance	1011.3
Stairs / treads / risers / winders	1011.5.2
Safety glazing (hazardous locations)	2406.4
Top plate straps	2308.5.3.2
Truss design engineering	2303.4.1
Truss bracing	107.4
Truss tie-down clips	2308.7.13
Trusses shall not be cut / notched without engineer approval	2303.4.5

INSULATION	2021 OEESC
Duct insulation R Requirements	OEESC 104.2, ASHRAE 90.1
Information on plans / specifications	OEESC 104.2, ASHRAE 90.1
Installed to manufacturers listing	OEESC 104.2, ASHRAE 90.1
Prescriptive Envelope requirements for insulation	OEESC 104.2, ASHRAE 90.1
Window / door / wires / pipe sealing	OEESC 104.2, ASHRAE 90.1
Marking / identification of insulating materials / systems	OEESC 104.2, ASHRAE 90.1

FINAL	2022 OSSC
Address, permanent, posted	502.1
Attic access	1209.2
Attic / crawl insulation installed, Certificate of Insulation	OEESC 104.2, ASHRAE 90.1
Bedroom egress windows	1029
Crawl space access	1209.1
Deck fastening to structure	1604.8.3
Duct penetration into garage	406.3.2.2
Drainage away from foundation	1804.4
Direct exit into garage from sleeping room prohibited	406.2.5

FINAL	2022 OSSC
Egress door locks	1010.2.5
Elevation of ignition source 18 inches above garage floor	OMSC 304.3, C305.3
Four inch opening limitation for open risers	1011.5.5.3 (1).
Furnace / hot water heater vehicle impact protection	OMSC Fig 304.1, C303.1
Garage / dwelling separation (doors / sheet rock details)	406.3.2.1
Guards / (guardrail details)	1015.3
Gutters / down spouts required	1502.1
Handrail grip size	1014.3
Handrail termination / continuity / clearance / return ends	1014.4-7
Hot water heater strapped	OMSC 301.14, OSSC 1613
Insulate underfloor access	OEESC 104.2, ASHRAE 90.1
Landings at doors	1010.1.4
Landings at stairs	1011.6
Ramp details	1012.2-10
Removal of underfloor debris	3304.1
Smoke Alarms	907.2.11
Stairs / treads / risers / winders	1011.5
Stair guardrail triangle opening: 6 inch sphere	1015.4 (2)
Seal gaps in exterior / interior walls	OEESC 104.2, ASHRAE 90.1
6 inch clearance, siding to ground	2304.12.1.5
Under stair sheet rock protection	1011.7.4
Uncertified electrical products in Oregon	ORS 479.610
Uncertified plumbing products in Oregon	ORS 447.156
10 year batteries for smoke alarms, battery powered only	ORS 479.297

GENERAL GUIDE TO COMMERCIAL ACCESSIBILITY			
	ACCESSIBILITY CHAPTER 11	OREGON 2022 OSSC	A117.1-2017
	Accessible route	Sect 1104	Section 402.2
	ADA toilet stalls	Sect 1110.2	Fig. 604.9.2 (a-b)
	ADA design standards	Sect 1102.1	
	Alarms	1109.13	Fig. 702.1
	Alternate methods	1102.1.1	
	Bathrooms, toilet / bathing / shower rooms	Sect 1110.2	
	Bathtubs	Sect 1110.2	Fig. 607.4.1 (a-b)
	Controls and hardware	Sect 1110.15	
	Customer service facilities, counters	Sect 1110.13	Fig. 904.3(b)
	Doors	Sect 1105	Fig. 404.2.2 (a-d)
	Grab bars: size / spacing / structural requirements	1110.2.2.4 (W/C); 1110.23.3	Fig. 604.5.1, 604.5.2
	Grab bars for water closets /toilet stalls	1110.2.2.4 (W/C); 1110.23.3	Fig. 604
	Kitchens	Sect 1110.4	Fig. 804.2.1 (a-b)
	Mirrors		Fig. 603.3
	Parking facilities	Sect 1106	Section 507.1
	Ramps	Sect 1012	Fig. 405
	Shower Stalls	1110.2.3.3	Fig. 608
	Signs	1112.1	Fig. 703.4.3-5
	Sinks, Lavatories	1110.2.5	Fig. 606.3
	Site / facility accessibility	1103.1	
	Stairs	1011.1	Fig. 504.2
	Stairway handrails	1014.1	Fig. 505.4
	Urinals		Fig. 605.2 (a)

GENERAL GUIDE TO COMMERCIAL ACCESSIBILITY			
	ACCESSIBILITY CHAPTER 11	OREGON 2022 OSSC	A117.1-2017
	Waivers, Modifications (ORS 447.233.7 / 447.250)	1103.2	
	Water Fountains	1110.5	Fig. 602.2.1 (a-c)
	Wheel chairs		Fig. C103 (a)
	Wheel chair forward, side reach		Fig. 308.2.1
	Wheel chair turning spaces		Fig. 304.3.1.1