

Inspector's Quick Reference 2017 OESC

* denotes a section reference to an Oregon amendment (Table-1-E)

Service and Grounding	2017 NEC/ref.
Grounding connections – Machine screws, no sheet metal screws.....	250.8
Bonding metal pipe, steel, multiple occupancies, gas line bonding, see.....	250.104, Interp 08-04
Bonding service raceways and enclosures.....	250.80, 250.92
Electrical enclosure integrity, KO seals.....	110.12(A)
Scratch paint for ground lugs.....	250.12
Electrical products used as designed/listed.....	110.3(B)
Conductor overcurrent protection.....	240.4
Grounded conductor brought to each service disconnecting means.....	250.24(C)
Main bonding jumper sized and installed.....	250.28
Disconnect and grounding electrode at separate building.....	250.32(A)
4 wire to a separate building.....	250.32(B)(1), *
Grounding conductor required for all roof conduits.....	250.118, *
Isolated neutral sub-panel.....	250.142(B)
Equipment grounding conductor identification.....	250.119
Grounding electrode system.....	250.50, 250.52
Main disconnect(s) location.....	230.70, *
Neutrals identified, (continuous or taped).....	200.6
Maximum number of service disconnects permitted, grouping.....	230.71, 72
Working clearance around service and electrical equipment.....	110.26
Size of grounding electrode conductor.....	250.66
Size of equipment grounding conductor.....	250.122
Size of bonding conductors.....	250.102
Grounding of metal well casing.....	250.112(M)
Max breaker height and accessibility 6' 7".....	404.8 240.24
Minimum service or feeder disconnect rating.....	230.79, 225.39
Overhead conductor clearance.....	230.24, 225.18
Identified as suitable for service equipment.....	225.36, 230.66
Grounding electrode conductor terminated in accessible service enclosure.....	250.64(D)(3)
Branch Circuits and Feeders	
Ampacity of overcurrent protective devices for feeders and branch circuits.....	T310.15(B)(16), 240.4
All conductors of a circuit routed together.....	300.3(B)

General receptacle locations and requirements.....	210.52
Bathroom receptacle locations. w/in 3ft of basin.....	210.52(D)
Small appliance receptacle circuit requirements.....	210.11(C)(1)
Laundry receptacle circuit requirements, 210.52(F).....	220.52(B),210.11(C)(2)
Bathroom receptacle circuit requirements.....	210.11(C)(3)
Garage receptacle circuit requirements, 210.52(G)(1).....	210.11(C)(3)
Bond metal boxes.....	314.4
Box fill.....	314.16
Electrical connections, use of 60° or 75° column of table 310.15(B)(16).....	110.14
Closet lights.....	410.16
Minimum cover and burial depth outside feeders under 600 volts.....	T300.5
Ceiling paddle fan boxes.....	314.27(C), 422.18
Free conductor in box, 6” min.....	300.14
Hydromassage bathtub.....	680 part VII
Branch circuit rating.....	422.10
Lighting outlet switch location requirements.....	210.70
Communication outlet required in dwellings.....	800.156
Grounding of primary protector for communication circuits.....	800.100
Sign circuit required and show window lighting.....	220.14(F)(G), 600.5
Circuit breakers used as switches.....	240.83(D)
Smoke detectors in dwellings.....	ORSC R314
NM cable above T bar ceiling, protection from damage.....	334.12, 334.15, *
Deteriorating agents, protection from corrosion.....	110.11, 300.6
Conduit installation requirements, exceptions 300.12 #2.....	300.8-12
Tap rules and location of overcurrent protection.....	240.21
Grounding separately derived systems.....	250.30

Final Inspection – Service and Grounding

Back fed devices.....	408.36(D)
Bonding of metal piping.....	250.104(B), Interp 08-04
Circuit directory and breaker knock outs.....	408.4, 408.7, 110.12
Maintain clearance around switchboards.....	408.18, 110.26
Maximum number of overcurrent devices per design.....	408.54
Grounding electrode connection accessible w/ exceptions.....	250.68
Identify service disconnect.....	110.22, 230.70(B)
Available fault current rating.....	110.9

Available fault current labeling.....	110.24, *
Ground Fault Protection testing.....	230.95, *
Neutral identification.....	200.7

Final Inspection – Branch Circuits/Feeders

Appliance termination cords.....	422.16
Fire walls, separation, caulking.....	300.21
Temp limits for flush and recessed fixtures.....	410 parts XI
Lighting energy conservation.....	ORSC N1107
GFCI protection.....	210.8, OESC
Mandatory Inspections.....	OAR 918-271-0040
AFCI protection.....	210.12, *
No dimmer controlled receptacles.....	404.14(E)
Receptacle Replacement and Grounding.....	406.4 OESC
Receptacle Tamper Resistant.....	406.5, 406.12, *
Polarity of receptacles.....	200.10 & 11
Receptacles in wet or damp locations.....	406.9
¼ setback of boxes, plaster repair.....	314.20
Track lighting.....	410.151
Listing of luminaries.....	410.6