Oregon Electrical Specialty Code

Inspector's quick reference guide

BCD Building Codes Division

Department of Consumer and Business Services

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

Service and Grounding

Grounding connections – Machine screws, no sheet metal screws	250.8
Bonding metal pipe, steel, multiple occupancies, gas line bonding	250.104
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
Main disconnect(s) location	230.70, *
Neutrals identified, (continuous or taped)	200.6
Maximum number of service disconnects permitted	230.71 *
Grouping of Service Disconnects	230.72
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 ft. 7 in.	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	T310.16, 240.4
All conductors of a circuit routed together	300.3(B)
General receptacle locations and requirements	210.52
Bathroom receptacle locations. w/in 3 ft. 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)(4)
Bond metal boxes	314.4
Box fill	314.16

Branch Circuits and Feeders—*continued*

Electrical connections, use of 60° or 75° column of Table 310.16	110.14(C)(1)
Closet lights	410.16
Minimum cover and burial depth conductors under 1000 volts	T300.5
Ceiling paddle fan boxes	314.27(C), 422.18
Free conductor in box, 6 in. minimum	300.14
Hydromassage bathtub	680 part VII
Individual branch circuit rating for appliances	422.10
Lighting outlet switch location requirements	210.70
Communication outlet required in dwellings	805.156
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),404.11
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
Tap rules and location of overcurrent protection	240.21
Grounding separately derived systems	250.30

Final Inspection – Service and Grounding

Back fed overcurrent devices	408.36(D)
Bonding of metal piping	250.104(B)
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 X & 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(F)
Receptacle Replacement and Grounding	406.4 *
Receptacle Tamper Resistant	406.12, *
Polarity of receptacles	200.10 & 11
Receptacles in wet or damp locations	406.9 *
¼ inch setback of boxes, plaster repair	314.20
Track lighting	410.150
Listing of luminaries	410.6