

# Inspector's Quick Reference 2008 OESC

<b>Service and Grounding</b>	<b>2008 NEC/ref.</b>
Sheet metal screws for grounding	250.8
Bonding metal pipe, steel, multiple occupancies, separately derived systems	250.104
Bonding service raceways and enclosures	250.80, 92
Electrical enclosure integrity, KO seals, scratch paint for ground lugs	110.12
Electrical products used as designed/listed	110.3(B)
Conductor protection	240.4
Grounded conductor brought to each service disconnecting means	250.24
Main bonding jumper sized and installed	250.24, 28
Disconnect and grounding electrode at separate building	250.32
Equipment grounding conductor identification	210.5(B), 250.119
Grounding electrode system	250.50, 52
Isolated neutral sub-panel	250.142
Main disconnect(s) location	230.70, 71
Neutrals identified, (continuous or taped)	200.6, 310.12
Maximum number of service disconnects permitted	230.71
Working clearance around service and electrical equipment	110.26
Size of grounding electrode conductor	250-66
Size of equipment grounding conductor	250-122
Grounding of metal well casing	250-112(M)
Max breaker height	404.8
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
Grounding electrode conductor terminated in accessible service enclosure	250.64(D)(3)

## Branch Circuits and Feeders

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Ampacity of overcurrent protective devices for feeders and branch circuits	T310.16, 240.3
All conductors of a circuit routed together	300.3
Bathroom receptacle locations	210.52(D)
Bathroom receptacle circuit requirements	210.11(C)(3)
Bond metal boxes	314.4
Box fill	314.16
Good connections, use of 60° or 75° column of table 310.16	110.14
Closet lights	410.16
Minimum cover and burial depth outside feeders under 600 volts	T300.5
Ceiling paddle fan boxes	314.27(D), 422.18
Free conductor in box	300.14
Hydromassage bathtub	680 part VII
Kitchen appliance branch circuit rating	422.10
Kitchen receptacles that serve counter-tops	210.52(C)
Laundry circuit and receptacle(s)	210.11(C)(2), 210.52(F), 220.52(B)
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
Overcurrent device location	240.24
Circuit breakers used as switches	240.83(D)
Smoke detectors in dwellings	ORSC R313
NM cable above ceiling, protection from damage	334.15, OESC
Deteriorating agents, protection from corrosion	110.11, 300.6
Conduit installation requirements	300.8-12
Tap rules and location of overcurrent protection	240.21
Grounding separately derived systems	250.30

## **Final Inspection – Service and Grounding**

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Back fed devices	408.36(D)
Bonding of metal piping and ductwork	250.104(B), FPN
Lightning protection systems	250.106
Grounding extensive metal in or on buildings	250.116 FPN
Circuit directory and breaker knock outs	408.4, 408.7
Maintain clearance around switchboards	408.18, 110.26
Maximum number of overcurrent devices	408.54
Grounding electrode connection accessible	250.68
Identify service disconnect	110.22, 230.70(B)
Available fault current rating	110.9
Ground Fault Protection testing	230.95, OESC
Neutral identification	200.7

## **Final Inspection – Branch Circuits/Feeders**

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Appliance termination	422.16
Fire walls, separation, caulking	300.21
Special provisions for flush and recessed fixtures	410 parts XI, XII
Lighting energy conservation	ORSC N1107
GFCI protection	210.8, OESC
Testing required of all new GFCI devices	OAR 918-271-0040
AFCI protection	210.12, OESC
No dimmer controlled receptacles	404.14(E)
Receptacle mounting, (boxes set back, mounting on covers, etc)	406.4
Polarity of receptacles	200.11
Receptacles in wet or damp locations	406.8
¼ setback of boxes, plaster repair	314.21, 22
Track lighting	410 part XV
Listing of luminaries	410.6