

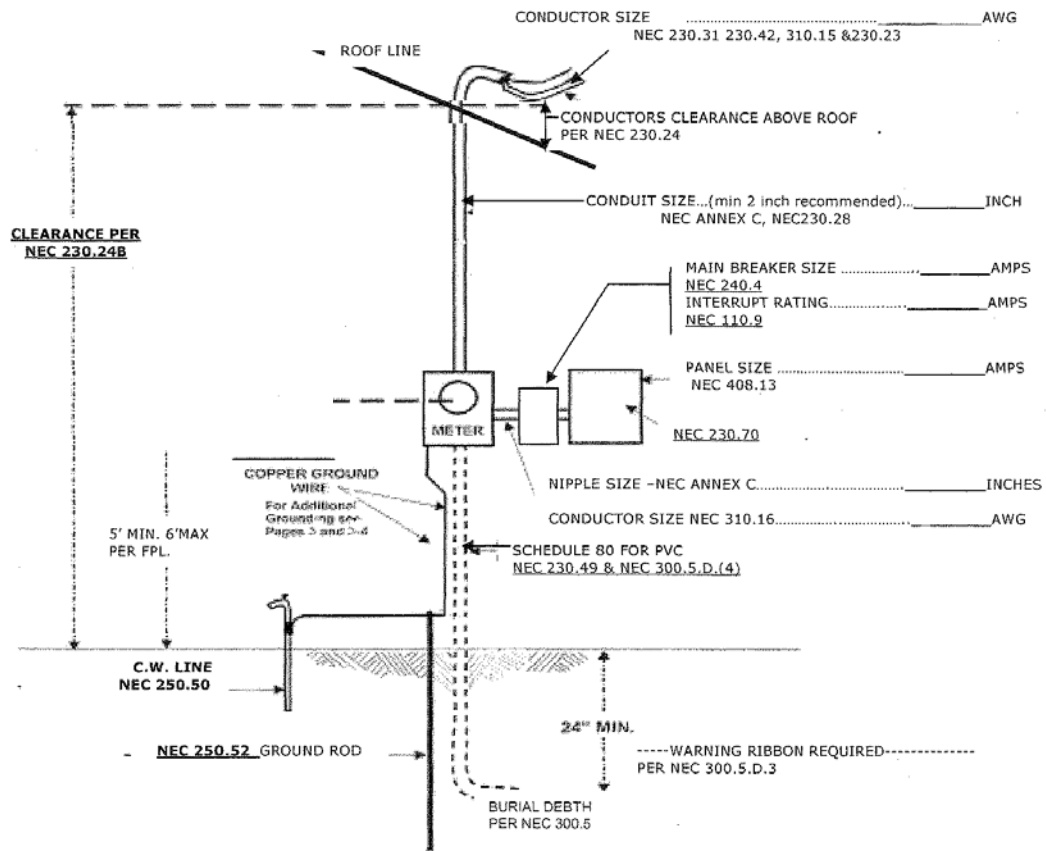


City of Boynton Beach Building Division

ELECTRIC SERVICE CHANGE DIAGRAM

Residential Only

All work shall comply with the current adopted edition of the National Electrical Code (NEC)



1 of 4

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02/08

3301 Quantum Blvd, Suite 101, Boynton Beach FL 33426 (561-742-6350)

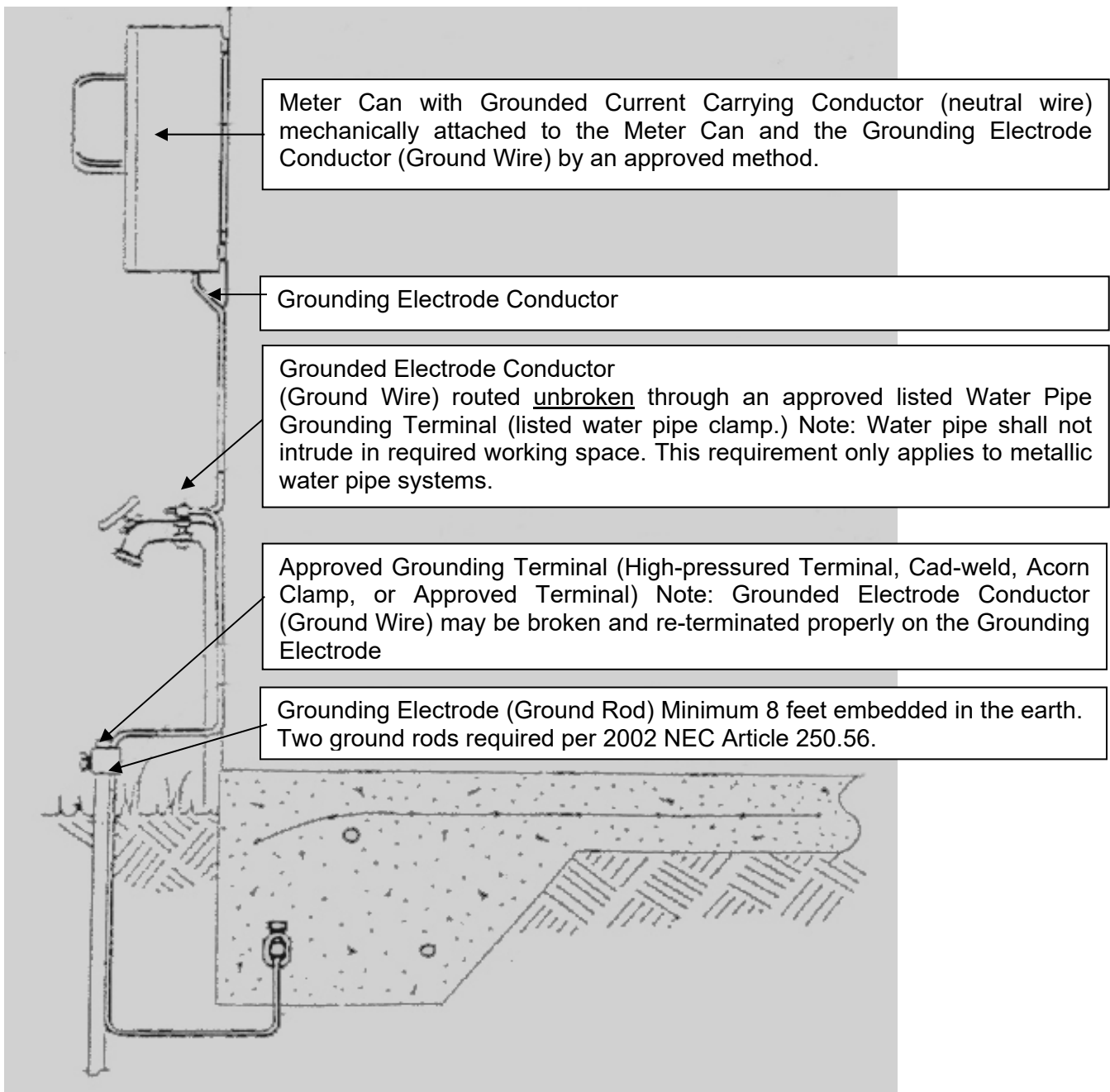
AMP CIRCUIT BREAKER PANEL SCHEDULE						PANEL #					
CIRCUIT	C.B. SIZE	CIRCUIT DESCRIPTION	LOAD (WATTS)	WIRE SIZE		CIRCUIT	C.B. SIZE	CIRCUIT DESCRIPTION	LOAD (WATTS)	WIRE SIZE	
1						2					
3						4					
5						6					
7						8					
9						10					
11						12					
13						14					
15						16					
17						18					
19						20					
21						22					
23						24					
25						26					
27						28					
29						30					
31						32					
33						34					
35						36					
37						38					
39						40					
41						42					
TOTAL ESTIMATED LOAD FIRST 10,000 WATTS AT 100% REMAINING WATTS AT 40% HVAC (ESTIMATED) AT 100% TOTAL ESIMATED DEMAND						WATTS (LESS HVAC LOAD) WATTS WATTS WATTS WATTS ÷ 240 VOLTS = AMPS					

Grounding Electrode System

Effective Date: Primary Building Permits applied for on or after June 30, 2003.

This change was made in the interest of Grounding and compliance with the current adopted edition of the NEC Article 250.56. In this application a supplementary (Ground Rod) will be required.

The grounding system shall also comply with the current adopted edition of the NEC Article 250 inclusively. Particular attention should be given to Articles 250.20, 250.36, 250.50, 250.52, 250.56.



Grounding Electrode System

Effective Date: Primary Building and or Electrical Permits applied for on or after June 30, 2005.

On free-standing Temporary Services, Irrigation Services, Lift Stations, Sign Services and like Electrical Services a second Grounding Electrode (Ground Rod) will be required if the other electrodes are available (as described in the current adopted edition of the NEC Articles 250.54 & 250.56). The second Grounding Electrode (Ground Rod) must be placed no closer than 6 feet apart and effectively tied together. The second Grounding Electrode is not required when the Electrical Contractor can demonstrate the first Electrode measures 25 Ohms or less to ground. (Current adopted edition of the NEC Article 250.56).

This change was made in the interest of Grounding and compliance with the current adopted edition of the NEC Article 250.50.

