

ELECTRICAL INFORMATION SHEET

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Install 2-1/2 in. rigid metal conduit for 100 amp & 200 amp overhead service mast. E3504.5 (BMU). 230.28

Secure overhead service mast with two or more through -the- wall approved mast clamps. 230.28.26

Overhead service mast pipe clamps shall be bolted through solid wall blocking. 230.28.26.27

Pipe couplings are not allowed in overhead service mast.

Service entrance conductors shall be protected against physical damage. 230.50

Minimum service drop attachment point for wall mounted service entrance is 12 ft. from grade. (or as required by BMU) 230.24

Contractor shall supply and install service drop mast brackets as required by BMU.

Meter bases fed by a continuous underground run of pipe shall have schedule 80 expansion fitting installed between grade and meter base. E3703.9 (BMU)

Ground rods shall be visible at inspections, or inspected and number tagged by the Utility Company (contractor responsibility).

Each driven ground rod shall have UL listing numbers visible at inspection.

Install no more than one NM (romex) cable per connector, unless connector is listed and sized for more than one cable. 110.3. (B)

Electric panels shall be free from construction debris, etc. , before a final green sticker will be issued. E3304.6 (110.12)

Temporary service poles shall be free of debris. (110.12)

Temporary service pole shall not use the Utility grounding system. BMU

Cutting, hole punching, drilling additional conduit knockouts in meter bases or meter packs is not allowed. 110.3 (B) & Table 312.6 (A) (B)

All cables must be secured by listed and labeled cable straps and connectors. E3303.3

Grounding electrode conductor shall be protected, unspliced and have an intersystem grounding connection block. 250.94

Conduits shall be sealed at the panel side where moisture will enter and contact live parts. E3703.6

Unused cable or conduit opening shall be closed to afford protection. E3304.5

Electrical panels shall be readily accessible. E3501.6.2

Service disconnecting means shall be readily accessible; located either outside or inside nearest point of entrance of service conductors.E3508.1.4.1.

Multiwire circuits shall disconnect all ungrounded conductors simultaneously. 210.7 (B), 210.4

Multiwire circuits, grounded conductor continuity shall not depend device connections. 300.13. B

Insulated conductors and cables, when exposed to direct sunlight, shall be listed and marked as being sunlight resistant. E3505.6

Insulated conductors and cables used in wet locations shall be rated for wet locations. 310.8

Service entrance conductors shall be rated as flame retardant. Table 310.13 (A) 310.8

If available, contractor shall use concrete encased electrode as primary grounding method. 250.52.3 (3)

1) Each ground rod and pipe electrodes shall be installed so that 8 feet of length is in contact with the soil. 250.53 (G)

2) When rock bottom is encountered, electrodes shall be driven at a oblique angle not to exceed 45 degrees from the vertical. 250.53 (G)

3) If not possible to drive rods at a vertical or at 45 degree angle, an exception can be given allowing the rods to be buried in a trench at least 30 inches deep. Ground rods shall be spaced at least 6 ft. apart E3508.1.4.1 & 250..53 (G)

Conductor proximity adjustment factor table (E3605.3) applies when conductors are stacked or bundled for distances greater than 24 inches.

All metal boxes shall be grounded E3805.2

Bonding connection for interior water pipes shall be accessible. 250.68 (A)

Size bonding jumper 250.122

NM cable insulation shall extend at least 1/4" into outlet boxes and enclosures.E3805.3.1

Grounding electrode conductors for AC systems (Bonding). Table 250.66

Class 2 circuits shall not be placed in cable compartments, enclosures, outlet boxes, device boxes and raceways or similar fittings with conductors of electric light, power, Class 1 and non-power-limited fire alarm circuits. E4204.1, 725.1 (3)

*** Code reference: IRC & NEC 70**

*** Contractor to furnish necessary equipment and assistance for inspections.**

*** A re-inspection fee of \$45.00 will be charged for each return trip.**