



ELECTRICAL SERVICES SUPPORT REQUIREMENTS

Cayman Islands Government
Department of Planning
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Electrical services other than temporary supplies, or those attached to an approved building or structure shall be constructed to comply with the following:

Underground Services

Concrete pedestal

Electrical service equipment attached to concrete pedestals or poles shall be constructed in such a manner that it will be self-supporting, sturdy and have sufficient strength for its intended purpose and shall have a minimum dimension of at least 48 inches high (above final grade) x 6 inches thick x 12 inches wide (or the width of the equipment whichever is greater).

Wooden Post

Electrical service equipment attached to wooden post shall be constructed in such a manner that it will be self-supporting, sturdy and have sufficient strength for its intended purpose and shall have a minimum dimension of at least 8 inches by 8 inches if square, or have a diameter of at least 6 inches and at least 48 inches high (above final grade). The base shall be embedded not less than 24 inches in the ground, however if bedrock is encountered or earth conditions do not permit such minimum burial depth, it shall be permitted to be embedded in concrete in order to accomplish sufficient strength or, other methods approved by the inspectorate.

Overhead services

Electrical service equipment attached to concrete or wood poles shall be constructed in such a manner that it will be self-supporting, sturdy and have sufficient strength for its intended purpose and shall have a minimum dimension of the at least 8 inches by 8 inches if square, or have a diameter of at least 6 inches, and be of sufficient height to maintain all required overhead clearances as per the NEC, and the utilities requirements. The base shall be embedded not less than 1/3rd of the required height in the ground, however if bedrock is encountered or earth conditions do not permit such minimum burial depth, it shall be permitted to be embedded in concrete in order to accomplish sufficient strength or, other methods approved by the inspectorate.

Exception

Other approved materials if of equivalent strength, may be used. The minimum size of pole or pedestal arrangement, type, strength or construction shall be based on the environment and the type of material(s) used and shall be approved by the inspectorate.

An approved self-supporting pole or pedestal of a material other than wood, if of equivalent strength, may be used. The minimum size of pole or pedestal, type, weight, strength or construction shall be based on the environment and the type of material(s) used.

Service Conductors

Service conductors shall not be smaller than a No.8 AWG copper, unless otherwise approved by the electrical inspectorate.