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19.12.010 National Electrical Code adopted.

(a) The National Electrical Code, 2020 Edition, published by the National Fire Protection Association, is expressly referred to and adopted as the electrical code of the city, and by this reference and adoption made a part of this chapter as if fully set forth herein, save and except the following portions hereinafter expressly deleted therefrom, and those specific deletions, amendments, and additions made in subsection (b) of this section. One copy of said National Electrical Code shall be filed and kept in the office of the city clerk.

(b) The following provisions designated “deletion” are deleted and excepted from, and the following provisions designated “addition” are added to, and the following provisions designated “amendment” are amendments to the provisions of the National Electrical Code, 2020 Edition, adopted by reference as part of the Ketchikan Municipal Code so as to be and become part of the electrical code of the city as so amended:

(1) Addition. A new subsection (D) is added to Section 110.12 (Mechanical Execution of Work) to read as follows:

(D) All abandoned electrical wiring not terminated in accessible junction boxes must be removed.

(2) Addition. Section 230.28 (Service Masts as Supports) Subsection (A) (Strength) is amended by adding a new sentence the end to read as follows:

All service masts used for support of service drop conductors shall be a minimum of 2" galvanized rigid conduit.

(3) Addition. Section 230.28 (Service Masts as Supports) Subsection (B) (Attachment) is amended by adding a new sentence the end to read as follows:

The use of LB's on riser pipes shall not be permitted.

(4) Addition. A new paragraph is added to the end of Section 230.32 (Protection Against Damage) to read as follows:

Underground installations from KPU's facility to the customer's metering point must be installed in conduit. Conduit must be inspected prior to covering.

(5) Addition. A new second paragraph is added to Section 230.70(A) (Location) to read as follows:

Inside nearest point of entrance of the service conductors shall mean no more than 2' from the outside of building and/or 2' of raceway (ref. 230.6). A combination meter base/main disconnect type service entrance equipment to facilitate de-energizing the wiring from outside in an emergency shall be installed. Service Equipment must not be under a roof or overhang of greater than 30". Weather head may not be installed under the eaves where the potential exists for the snow to slide off the roof and on to the service or its drops. Meter bases must be mounted on a pole or exterior of the building so that the center of the socket is 6' above finished grade, plus or minus 6", with the exception of underground location as to be readily accessible for inspection, reading, and testing. Any service over 200 Amp will require CT metering. Five-jaw "network" meter bases will be required for 120/208 – Volt single-phase service. 100 Amp is the minimum service size.

(6) Addition. A new sentence is added to Section 230.72(A) (General) to read as follows:

Marking shall be with a permanent label.

(Ord. 1880 § 1, 2018; Ord. 1831 § 1, 2016; Ord. 1736 § 2, 2013)

19.12.020 Wiring requirements.

No electric wiring for light, heat, or power shall be installed hereafter in a building or a structure, nor shall an alteration or extension of an existing electric wiring system be made, except in conformity with the provisions of this chapter and the provisions of the National Electrical Code. (Ord. 1736 § 2, 2013)

19.12.030 Electrical permit required – Application.

(a) No person, firm, or corporation shall commence the installation, alteration, extension, or repair of any electric wiring system, without first obtaining a permit for the work from the building official.

(b) Applications for permits shall state the intent and scope of the work to be performed, the type of building, and the purpose for which it is to be used. (Ord. 1736 § 2, 2013)

19.12.040 Inspections.

- (a) The building official shall, during the installation of an electric wiring system, make the necessary inspections to assure compliance with this chapter.
- (b) No work in connection with an electric wiring system shall be covered or concealed until it has been inspected and approved by the building official.
- (c) The building official may order work to be stopped at any time, should it be determined that it is not being carried out in accordance with the provisions of this chapter, or is a menace to the safety and welfare of the public. It is unlawful for any person, firm, or corporation to proceed with such work after a stop order has been issued unless the restriction is lifted and authorization to proceed has been given by the building official. (Ord. 1736 § 2, 2013)

19.12.050 Cost of permits.

For each permit issued a charge shall be made based upon the total value of the work to be performed, the fee to be determined according to the table of fees set out in the International Building Code at Table No. 109.2.1, Building Permit Fees, Chapter 1, of the International Building Code, 2021 Edition with the deletions and amendments set forth in KMC [19.04.010\(b\)\(1\)](#). (Ord. 1736 § 2, 2013)

19.12.080 Exterior main disconnect required.

A main disconnect located on the exterior of the building is required for all new services, or when repairs are made to existing services. The main disconnect shall disconnect all ungrounded conductors to the building except for those required to power fire pumps, alarm systems, egress lighting and other emergency systems. (Ord. 1736 § 2, 2013)

19.12.100 Right of entry into public buildings.

The building official, building inspector, and the chief of the fire department, or an officer of the fire department designated by him, shall be permitted to enter at any time any theater, public building, or business premises for the purpose of inspection of wiring and electrical installations, and shall cause to be corrected any condition in violation of this chapter or which may be determined as a hazard to public safety. (Ord. 1736 § 2, 2013)