

Source:
Bethel Municipal Code

15.08.080

15.08.080 Construction materials and practices.

Construction materials and utility equipment that are resistant to flood damage and construction practices and methods that will minimize flood damages shall be utilized. (Ord. 01-05 § 5 (part))

15.08.090 Water and sewer systems.

Construction or substantial improvement shall not occur unless the applicant demonstrates that any associated new or replacement water supply system and sanitary sewage system, including on-site systems, will be designed and constructed to minimize or eliminate infiltration of floodwaters into the systems and discharge from the systems into floodwaters. All systems shall be floodproofed at least to the regulatory floodwater surface elevation. Electrical, heating ventilation, plumbing, air-conditioning equipment, and other service facilities shall be designed or otherwise elevated or located so as to prevent water from entering or accumulating within the components during conditions of flooding. On-site sewage disposal systems shall be located and constructed to avoid impairment to them or contamination from them during flooding. (Ord. 01-05 § 5 (part))

15.08.100 Elevation—Residential structures.

New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to or above base flood elevation. Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, or shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for

the entry and exit of flood waters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect, or must meet or exceed the following minimum criteria:

A. A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.

B. The bottom of all openings shall be no higher than one foot above grade.

C. Openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters. (Ord. 01-05 § 5 (part))

15.08.110 Elevation—Nonresidential structures.

A. New construction and substantial improvement of any commercial, industrial or other nonresidential structure shall either have the lowest floor, including the basement, elevated to the level of the base flood elevation; or together with attendant utility and sanitary facilities shall:

1. Be floodproofed so that below the base flood level the structure is watertight with walls substantially impermeable to the passage of water;

2. Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and

3. Be certified by a registered professional engineer or architect that the design and methods of construction are in accordance with accepted standards of practice for meeting provisions of this subsection based on their development or review of the structural design, specifications and plans. Such certification