

habitation; and

4. The enclosed areas are usable solely for building access, parking vehicles, or storing of articles and equipment used for maintenance of the building.

(m) *Bridges:* New construction or substantial improvement of any bridge in Zones A1-30, AE, AO, AH, A, V1-30 and VE shall be designed such that:

1. When possible, the lowest horizontal member (excluding the pilings, or columns) is elevated to at least two (2) feet above the base flood elevation; and
2. A registered professional engineer shall certify that:
  - a. The structural design and methods of construction shall meet the elevation requirements of this section and the floodway standards of section 14-450.8(k); and
  - b. The foundation and superstructure attached thereto is anchored to resist flotation, collapse and lateral movement due to the effects of wind and water loads acting simultaneously on all structural components. Water loading values used shall be those associated with the base flood.

(n) *Containment walls:* New construction or substantial improvement of any containment wall located within:

1. Zones A1-30, AE, AH, V1-30 and VE shall:
  - a. Have the containment wall elevated to at least two (2) feet above the base flood elevation;
  - b. Have structural components capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy; and
  - c. Be certified by a registered professional engineer or architect that the design and