

GG127-14

404.1.2

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Revise as follows:

404.1.2 Irrigation system design and installation. Where in-ground irrigation systems are provided, the systems shall comply with all of the following:

1. The design and installation of outdoor irrigation systems shall be under the supervision of an irrigation professional accredited or certified by an appropriate local or national body.
2. Landscape irrigation systems shall not direct water onto building exterior surfaces, foundations or exterior paved surfaces. Systems shall not generate runoff.
3. Where an irrigation control system is used, the system shall be one that regulates irrigation based on weather, climatological or soil moisture status data. The controller shall have integrated or separate sensors to suspend irrigation events during rainfall.
4. Irrigation zones shall be based on plant water needs with plants of similar need grouped together.
Turfgrass shall not be grouped with other plantings on the same zone.
5. Microirrigation zones shall be equipped with pressure regulators that ensure zone pressure is not greater than 40 psi (275.8 kPa), filters, and flush end assemblies.
6. Sprinklers shall:
 1. Have nozzles with matched precipitation rates.
 2. Be prohibited on landscape areas less than 4 feet (1230 mm) in any dimension.
 3. Be prohibited on slopes greater than 1 unit vertical to 4 units horizontal (25-percent slope).

Exception: Where the application rate of the sprinklers is less than or equal to 0.5 inches (12.7 mm) per hour.

4. Be permitted for use on turfgrass and crop areas only excepting microsprays of a flow less than 45 gallons (170 liters) per hour.
5. If of the pop-up configuration, pop-up to a height of not less than 4 inches (101 mm).
6. Only be installed in zones composed exclusively of sprinklers and shall be designed to achieve a lower quarter distribution uniformity of not less than 0.65.
7. Water emission devices and sprinklers shall comply with ASABE/ICC 802 where the components to be installed are of classes of applicable products that are covered by ASABE/ICC 802.

Add new standard(s) as follows:

ASABE

ASABE/ICC 802-201X Landscape Irrigation Sprinkler and Emitter Standard

Reason: The ASABE/ICC Landscape Irrigation Sprinkler and Emitter Standard has been developed to assure minimum performance, safety, and marking requirements for landscape irrigation emission devices and sprinklers. It is important and reasonable to incorporate a requirement that these types of products meet this standard.

The Standard is almost complete and should be ready by Dec, 1, 2014. The current draft of the ASABE/ICC 802-201X can be viewed at:

<http://www.iccsafe.org/cs/standards/IS-IEDC/Documents/DraftDocuments/LandscapIrrigationSprinklerEmitterStandard-Draft4.pdf>

Cost Impact: Will not increase the cost of construction

Analysis: A review of the standard proposed for inclusion in the code, ASABE/ICC 802-201X, with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 1, 2014.

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