



OKLAHOMA

Uniform Building Code Commission Staff Comment Form - FGMP 2

FGMP Technical Committee

Review of the 2021 Editions of the International Fuel Gas Code® (IFGC®), International Mechanical Code® (IMC®), International Plumbing Code® (IPC®)

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Code Change Information

Originating Committee: FGMP-2015

Code Modified: 2018 IFGC

Original Comment Form Number: FGMP-20

Rule Number: 748:20-12-8(1); 748:20-14-8(7)

Which area of the code (Section, Table, Figure) was revised?

IFGC & IMC – Ch 3, Section 306.5

Page Number: IFGC 3-8 thru 3.9; IMC 3-6 thru 3-7

Previous Change:

IFGC and IMC:

306.5 Equipment and appliances on roofs or elevated structures. Where equipment requiring access or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet (4877 mm) above grade to access such equipment or appliances, an interior or exterior means of access shall be provided. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) in height or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope). Such access shall not require the use of portable ladders. Where access involves climbing over parapet walls, the height shall be measured to the top of the parapet wall.

(A) Permanent ladders installed to provide the required access shall comply with the following minimum design criteria:

(i) The side railing shall extend above the parapet or roof edge not less than 30 inches (762 mm).

(ii) Ladders shall have rung spacing not to exceed 14 inches (356 mm) on center. The upper-most rung shall be not more than 24 inches (610 mm) below the upper edge of the roof hatch, roof or parapet, as applicable.

(iii) Ladders shall have a toe spacing not less than 6 inches (152 mm) deep.

(vi) Ladders over 30 feet (9144 mm) in height shall be provided with offset sections and landings capable of withstanding 100 pounds per square foot (488.2 kg divided by meters squared). Landing dimensions shall be not less than 18 inches (457 mm) and not less than ~~18 inches (457 mm)~~ and not less than the width of the ladder served. A guard rail shall be provided on all open sides of the landing.

(vii) Climbing clearance. The distance from the centerline of rungs to the nearest permanent object on the climbing side of the ladder shall be not less than 30 inches (762 mm) measured perpendicular to the rungs. This distance shall be maintained from the point of ladder access to the bottom of the roof hatch. A minimum clear width of 15 inches (381 mm) shall be provided on both sides of the ladder measured from the midpoint of and parallel with the rungs, except where cages or wells are installed.

(viii) Landing required. The ladder shall be provided with a clear and unobstructed bottom landing area having a minimum dimension of 30 inches (762 mm) by 30 inches (762 mm) centered in front of the ladder.

(ix) Ladders shall be protected against corrosion by approved means.

(x) Access to ladders shall be provided at all times.

(B) Catwalks installed to provide the required access shall be not less than 24 inches (610 mm) wide and shall have railings as required for service platforms. Exceptions:

(i) This section shall not apply to Group R-3 occupancies.

(ii) This section shall not apply to appliance replacement.

Historical information

This section was modified by the FGMP committee during the 2015 adoption. The committee felt that Section 102.4 gave the code official the ability to approve reinstallation if it did not create a hazardous condition. They noted it was not cost effective to install permanent ladders on existing buildings that were previously approved. Neither the revisions made, nor the added exception are in the 2021 editions of the IFGC or IMC.