



# OKLAHOMA

## Uniform Building Code Commission Staff Comment Form - FGMP 3

### 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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#### Contact Information:

Name: OUBCC Staff

Date 5/15/23

Email: Kathy.Hehnlly@oubcc.ok.gov

Phone: 405-521-6501

#### Code Change Information

Originating Committee: FGMP-2015

Code Modified: 2018 IFGC & IMC

Original Comment Form Number: FGMP-3, 42, & 56

Rule Number: 748:20-12-8 (2), (3), (4) & (5); 748:20-14-8 (2), (3), (4), & (5)

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

IFGC Ch 3, Sections 306.6, 306.6.1, 306.6.2, & 306.6.3; IMC Ch 3 Sections 304.11, 304.11.1, 304.11.2 & 304.11.3

Page Number: IFGC 3-9; IMC 3-5

Previous Change:

#### IFGC

**[M] 306.6 Guards.** Guards shall be provided where various components that require service ~~and roof hatch openings~~ are located ~~within 10 feet (3048 mm) of a~~ on a roof edge or open side of walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below or elevated structure and have a condition as set fourth in Sections 306.6.1 through 306.6.3. The top of the guard shall be located not less than 42 inches (1067 mm) above the elevated surface adjacent to the guard. The guard shall be constructed so as to prevent the passage of a 21-inch diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the International Building Code®. Guards shall be provide at new components when added or replaced on existing roof or elevated structure and have a condition as set forth in Sections 306.6.1 through 306.6.3. Exception: When approved by the

authority having jurisdiction, guards are not required where permanent fall arrest-restraint anchorage connector devices that comply with ANSI/ASSE Z 359.1 are affixed for use during the entire roof covering lifetime of the roof covering. The devices shall be reevaluated for possible replacement when the entire roof covering is replaced. The devices shall be placed not more than 10 feet (3048 mm) on center along hip and ridge lines and placed not less than 10 feet (3048 mm) from roof edges and the open sides of walking surfaces.

**306.6.1 Roof edge.** Guards complying with 306.1 shall be provided when components are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface or elevated structure and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below. The guard shall extend not less than 30 inches (762 mm) beyond each end of the component that requires service.

**306.6.2 Skylights.** Guards complying with Section 306.6 shall be provided when a skylight is within 10 feet (3048 mm) of the component that requires service. The guard shall extend 30 inches (762 mm) beyond the edge of the skylight. Exceptions:

(A) Guards are not required when the skylight is located at least 42 inches (1067 mm) above the highest point of the walking surface adjacent to the skylight or component.

(B) Guards are not required if some other provision for skylight fall-thru protection is provided and approved by the authority having jurisdiction.

**306.6.3 Roof hatch.** Guards complying with Section 306.6 shall be provided when a roof hatch is within 10 feet (3048 mm) of the component that requires service. The guard shall extend 30 inches (762 mm) beyond the edge of the roof hatch. If the component is within 10 feet (3048 mm) of the ladder access side of the roof hatch, the guard shall incorporate a self-closing, self-latching gate. The gate shall have a top edge of not less than 42 inches (1067 mm) above the elevated surface adjacent to the gate and shall not allow the passage of a 21 inch (533 mm) sphere. If a roof hatch exists within 10 feet of a roof edge that is located more than 30 inches (762 mm) above the floor, roof or grade below and a new component that requires service on that existing roof or elevated structure, then a guard complying with Section 306.6 shall be added between the existing roof hatch and the roof edge.

## **IMC**

**[BE] 304.11 Guards.** Guards shall be provided where various components that require service and roof hatch openings are located within 10 feet (3048 mm) of a roof edge or open side of a waking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below on a roof or elevated structure and have a condition as set forth in Sections 304.11.1 through 304.11.3. The guard shall extend not less than 30 inches (762 mm) beyond each end of the components that require service. The top of the guard shall be located not less than 42 inches (1067 mm) above the elevated surface adjacent to the guard. The guard shall be constructed so as to prevent the passage of a 21-inch diameter (533 mm) sphere and shall comply with the loading requirements for guards as specified in the International Building Code®. Guards shall be provided at new components when added or replaced on an existing roof or elevated structure and have a condition as set forth in Sections 304.11.1 through 304.11.3. Exception: When approved by the authority having jurisdiction, ~~Guards~~ guards are not required where permanent fall arrest/restraint anchorage connector devices that comply with ANSI/ASSE Z 359.1

are installed affixed for use during the entire roof covering lifetime. The devices shall be reevaluated for possible replacement when the entire roof covering is replaced. The devices shall be placed not more than 10 feet (3048 mm) on center along hip and ridge lines and placed not less than 10 feet (3048 mm) from roof edges and the open sides of walking surfaces.

**304.11.1 Roof edge.** Guards complying with 304.11 shall be provided when components are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface or elevated structure and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below. The guard shall extend not less than 30 inches (762 mm) beyond each end of the component that requires service.

**304.11.2 Skylights.** Guards complying with Section 304.11 shall be provided when a skylight is within 10 feet (3048 mm) of the component that requires service. The guard shall extend 30 inches (762 mm) beyond the edge of the skylight. Exceptions: (A) Guards are not required when the skylight is located at least 42 inches (1067 mm) above the highest point of the walking surface adjacent to the skylight or component. (B) Guards are not required if some other provision for skylight fall-through protection is provided and approved by the authority having jurisdiction.

**304.11.3 Roof hatch.** Guards complying with Section 304.11 shall be provided when a roof hatch is within 10 feet (3048 mm) of the component that requires service. The guard shall extend 30 inches (762 mm) beyond the edge of the roof hatch. If the component is within 10 feet (3048 mm) of the ladder access side of the roof hatch, the guard shall incorporate a self-closing, self-latching gate. The gate shall have a top edge of not less than 42 inches (1067 mm) above the elevated surface adjacent to the gate and shall not allow the passage of a 21 inch (533 mm) sphere. If a roof hatch exists within 10 feet of a roof edge that is located more than 30 inches (762 mm) above the floor, roof or grade below and a new component that requires service on that existing roof or elevated structure, then a guard complying with Section 304.11 shall be added between the existing roof hatch and the roof edge.

### **Historical information**

This change was made during the 2015 adoption and was created by an ad-hoc committee consisting of members of both the FGMP and BEBF committees at the time. The changes clarify the circumstance under which guards are provided and the required approval from the AHJ in the exception for the first section. The changes made are not in the 2021 code.