

014000S06 Quality Requirements Post Occupancy Roof Fall Protection

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1.0 Reference

- A. Anchorage points: Must be capable of supporting 5,400 lbs.
<http://www.lrc.ky.gov/kar/803/002/015.htm> (Section 3(4))
- B. Elevated locations, skylights:
[OSHA CFR 1910.23 - Guarding floor and wall openings and holes](#)
- C. Fixed ladders
[OSHA CFR 1910.27 - Fixed Ladders](#)
- D. Grab bars
[OSHA CFR 1910.27 - Fixed Ladders](#) [1910.27(c)(5) & 1910.27(d)(4)]
- E. Guardrails
[OSHA CFR 1910.23 - Guarding floor and wall openings and holes](#) [1910.23(e)]

2.0 Roof Access

- A. Where roof will be periodically accessed by non-Facilities personnel, provide roof access through stairway(s), instead of fixed ladder(s).
- B. To minimize exposure of fall hazards, locate roof access at least 6 feet away from:
 - 1) Roof edges
 - 2) Unguarded elevated location (30+ inches above adjacent work levels).
 - 3) Skylights
 - 4) Glazed surfaces
- C. Design of roof access hatch should allow cover to remain closed when personnel are on the roof. If hatch cannot remain closed, guardrails **shall** be installed around the access hatch.
- D. Install grab bars for roof access ladders, especially where routine personnel access is expected.

3.0 Guardrails

- A. Guardrails **shall** be provided at locations where there is routine need of an employee to approach within 6 feet of the edge of the roof. Where such roof access is needed no more than 4 times a year, safety belts, lanyards, or an approved fall protection system may be used in lieu of guardrails.

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4.0 Anchorage Points

- A. Where fall protection systems may be necessary, install anchorage points that can support a minimum weight of 5,400 pounds.
 - 1) Mark anchorage point with bright/ fluorescent paint, and identify them with weatherproof tags/ labels.

5.0 Miscellaneous

- A. Locate rooftop equipment (e.g. HVAC units), roof walking pads, and other items at least 6 feet away from unguarded roof edges, skylights, glazed surfaces, and elevated locations.
- B. For unguarded roofs, provide demarcations to warn employees that they are approaching within 6 feet to the edge of the roof. Common methods used include:
 - 1) Paint stripes-- applied at least 6 feet away from the edge in a bright/fluorescent color.
 - 2) Warning lines-- consist of rope, wire or similar materials, flagged with highly visible material hanging from the warning lines at approximately 6-foot intervals, and are installed 34 to 45 inches above the roof surface.
 - 3) Any employee approaching within 6 feet of any skylight **shall** be protected from falling through the skylight or skylight opening by any one of the following methods: skylight covers, screens, or guardrails.

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