

Case 258. 31-year-old Hispanic male roofer died when he fell 48 feet through a 4-by 4-foot roof curb improperly covered and secured with 60-inch by 60-inch 22-gauge corrugated sheet metal.

A 31-year-old Hispanic male roofer died when he fell 48 feet through a 4-by 4-foot roof curb improperly covered and secured with 60-inch by 60-inch 22-gauge corrugated sheet metal. He was assisting the foreman in moving insulation. The curb and cover had been installed by another contractor. The decedent may have lost his footing and stepped onto the cover and it gave way. Both the cover and the decedent fell to the concrete floor below. The cover involved in the incident did not appear to have any type of fastener installed. The cover did not exhibit any tears, rips or other abrasions as a result of the decedent's fall. Upon examination of the sheet metal located on the ground level of the building after the fall, no fasteners were found. Emergency response was called. The decedent was declared dead at the scene. At the conclusion of its investigation, MIOSHA cited four contractors, including the decedent's employer at the multi-employer worksite.

MIOSHA Construction Safety and Health Division cited the following Serious and Willful Serious citations to the decedent's employer:

SERIOUS: GENERAL RULES, PART 1, Rule 114(1)

An accident prevention program was not developed, maintained, and coordinated with employees.

The Accident Prevention Program was not coordinated. Employees engaged in roofing activities.

Instance A) Inspection of the construction site and elimination of hazards.

Instance B) Recognition and avoidance of hazards.

WILLFUL SERIOUS: FALL PROTECTION, PART 45, RULE 4502, REF OSHA 1926.502(i)(2)

All other covers shall be capable of supporting, without failure, at least twice the weight of employees, equipment, and materials that may be imposed on the cover at any one time.

Covers were not capable of supporting without failure, at least twice the weight of employees, equipment and materials that may be imposed on the cover at any one time. Employees engaged in roofing activities. Distance to lower level approximately 48 feet.

Instance A) Cover. North West Corner. Approximately 60 inches by 60 inches.

Instance B) Cover. North West Central. Approximately 60 inches by 60 inches.

- Instance C) Cover. North East Corner. Approximately 60 inches by 60 inches.
- Instance D) Cover. North East Central. Approximately 60 inches by 60 inches.
- Instance E) Cover. South East Corner. Approximately 60 inches by 60 inches.
- Instance F) Cover. South East Central. Approximately 60 inches by 60 inches.
- Instance G) Cover. South West Corner. Approximately 60 inches by 60 inches.
- Instance H) Cover. South West Central. Approximately 60 inches by 60 inches.

WILLFUL SERIOUS: FALL PROTECTION, PART 45, RULE 4502, REF OSHA 1926.502(i)(3)

All covers shall be secured when installed so as to prevent accidental displacement by the wind, equipment, or employees.

Employees engaged in roofing activities did not have covers secured to prevent accidental displacement by wind, equipment, or employees. Employees engaged in roofing activities. Distance to lower level approximately 48 feet.

- Instance A) Cover. North West Corner. Approximately 60 inches by 60 inches.
- Instance B) Cover. North West Central. Approximately 60 inches by 60 inches.
- Instance C) Cover. North East Corner. Approximately 60 inches by 60 inches.
- Instance D) Cover. North East Central. Approximately 60 inches by 60 inches.
- Instance E) Cover. South East Corner. Approximately 60 inches by 60 inches.
- Instance F) Cover. South East Central. Approximately 60 inches by 60 inches.
- Instance G) Cover. South West Corner. Approximately 60 inches by 60 inches.
- Instance H) Cover. South West Central. Approximately 60 inches by 60 inches.
- Instance I) Cover. Central. Approximately 60 inches by 60 inches.