



# ROOFTOP RISK ZONES & FALL PROTECTION REQUIREMENTS

1

## GUARDRAILS WITH TOE-BOARDS

Recommended over access doors, walkways, or areas where people work below. COHSR - SOR-86-304 2.13

2

## ROOF HATCHES (OPEN)

Considered a fall hazard ("hole"); must be protected (guardrails, covers). COHSR - SOR-86-304 2.5 (1)

3

## FIXED LADDERS (OVER 16 FT)

Require a ladder safety device or fall protection anchor. MOL Engineering data sheet 2-04 (3.4)

4

## SKYLIGHTS

Must be guarded (e.g., screens, guardrail, covers). COHSR - SOR-86-304 2.5 (1) & (4)

RED ZONE = 0-6FT

ORANGE ZONE = 6-15FT

GREEN ZONE = 15FT+

5

## EQUIPMENT NEAR FALL HAZARDS (WITHIN 15 FT)

Fall protection required (guardrails, anchor). Exception (6–15 ft): Temporary/infrequent work may use warning lines. COHSR - SOR-86-304 12.07 (1) and 12.08 (3)(b)

6

## WORK NEAR UNPROTECTED EDGES (WITHIN 15 FT)

Fall protection required (guardrails, anchor). Exception (6–15 ft): Temporary/infrequent work may use warning lines. COHSR - SOR-86-304 - 12.06 (4)

7

## OBSTACLES/ELEVATION CHANGES (OVER 450MM)

Safe access (e.g., ramps, steps) must be provided. COHSR - SOR-86-304 - 2.7

8

## LOW PARAPET WALLS (900MM - 1100MM)

Fall protection required (e.g., guardrails). COHSR - SOR-86-304 - 2.12 (1)(a)

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## DESIGNATED WALKWAYS

Clearly marked walkways and training can mitigate hazards (e.g., guardrail walkways). National Building Code of Canada 2020, 1st printing - NBC Part 1 - Section 1.4.1.2 and 3.3.1.3.

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## 6 STAGES OF ROOFTOP SAFETY

# ROOFTOP PROTECTION PROGRAM

Our rooftop protection program uses 6 stages to systematically assess fall hazards on rooftops, prioritize risks, and implement compliant safety solutions. The program follows industry best practices and regulatory requirements (OSHA, CCOHS, local OH&S codes) to ensure worker safety.

### 1 COMPREHENSIVE ROOFTOP HAZARD MAPPING

Before any rooftop access, our team conducts a thorough virtual assessment to identify and mitigate fall hazards. Using building plans, google imaging, and site inspections, we document:

- Hazard Locations: Skylights, edges, equipment zones
- Access Points: Ladders, hatches, and stairwells
- Work Areas: High-traffic zones requiring protection

This proactive review allows us to plan safe routes to avoid edge exposure and develop task-specific safety plans.

### 4 DEFINE SAFE ZONES & WALKWAYS

The best fall protection plan will actively guide workers away from fall hazards through clearly defined, safe travel routes. All walkways must be visibly marked with slip-resistant surfaces and free of obstructions that might force workers near unprotected edges. Any elevation changes exceeding 19 inches require proper ramps or stairs.

#### ROOFTOP SAFETY SOLUTIONS

Walkways  
Guardrails systems  
Warning lines

### 2 ROOF ACCESS EVALUATION

When entering a rooftop ensure that all rooftop entry and exit points meet compliance and eliminate fall exposure. Take the time to verify that fixed ladders, hatches, and stair systems have proper guardrails or self-closing gates, portable ladders are securely stabilized, and no transitional gaps or awkward movements put workers at risk.

#### ROOFTOP SAFETY SOLUTIONS

Fixed ladders  
Ladder guardrail systems  
Roof hatch guardrail  
Self-closing safety gates  
Safety stair systems  
Ladder brackets

### 5 PROTECT WORK ZONES NEAR EDGES

Secure all work areas and equipment within 15 feet of unprotected edges with the appropriate fall protection solutions. Any permanent equipment near roof edges must be protected with guardrails or restraint systems, while temporary warning lines between 6-15 feet may only be used for infrequent tasks.

#### ROOFTOP SAFETY SOLUTIONS

Fall arrest system  
Guardrail systems  
Warning lines  
Roof hatch guardrail  
Walkways

### 3 ELIMINATE ENTRANCE HAZARDS

Obstacles, uneven transitions, and tight clearance at entry points create real danger. It is important to remove all fall and injury risks at initial rooftop access locations by ensuring clear, unobstructed entry paths. Inspect for hazards and eliminate any need for workers to crouch, climb over obstacles, or make awkward movements when entering a roof.

#### ROOFTOP SAFETY SOLUTIONS

Guardrail systems  
Roof hatch guardrail  
Non-slip transition platforms  
Self-closing gates  
Toe boards

### 6 ROOF EDGE & PERIMETER SAFETY

By systematically implementing the previous stages - from access point controls to work zone protections - the most critical edge risks should now be protected. However, all remaining parameters require either compliant guardrails or passive fall protection solutions. This ensures every safety control exists at every unprotected edge.

#### ROOFTOP SAFETY SOLUTIONS

Guardrail systems  
Fall arrest system  
Fall restraint systems  
Warning lines



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