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INTEGRATED DESIGN GUIDE FOR WORK-AT-HEIGHT & ACCESS SYSTEMS

**EDITION 3
2026**

A Unified Approach to Safety

- High-rise Buildings
- Hospitality and Entertainment Facilities
- Bridges and Industrial Structures
- Specialized Architectural Projects

General design principles, checklists, and references for work-at-height and access systems.

This guide is a general engineering reference. It is not engineering advice for any specific asset, system, or project, and its use does not create an engineering, advisory, or client relationship.

Project-specific engineering analysis, application, review, or other professional services require engagement under written agreement.

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Integrated Design Guide for Work-at-Height & Access Systems

Edition 3 · 2026

A Unified Approach to Safety

Modern structures—from soaring skyscrapers and complex casinos to expansive bridges and industrial facilities—demand safe and efficient access for inspection, maintenance, and cleaning.

Designing and integrating these systems is inherently complex, requiring not only a deep understanding of diverse structural types and operational needs but also navigation of a web of international regulations.

Rauch Safety & Engineering (RSE) recognizes that informed decision-making is essential to ensuring the safety, compliance, and performance of façade access and fall protection systems. Cross-industry and cross-border information sharing enables stakeholders to design solutions that are both technically sound and aligned with a wide range of regulatory frameworks.

In practice, however, locating accurate, jurisdiction-specific design guidance can be time-consuming and fragmented. The result is lost time, inconsistent application of standards, and increased risk of non-compliance.

This guide addresses that challenge by streamlining the process. It provides a broadly applicable framework for architects, engineers, safety professionals, and building owners to design and implement holistic access and fall protection solutions. By moving beyond a narrow focus on façades, it captures the unique challenges across a wide range of structures, ensuring that safety, compliance, and long-term sustainability are built in from day one—while reducing wasted effort and improving design confidence across projects.



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