

# Pedestrian Rack Tunnel



SAFETY WITHOUT SACRIFICE: TURNING RACK SPACE INTO A PEDESTRIAN SAFE ZONE

## Background

Robert Dietrick Company (RDC) recently opened a new warehouse in Indianapolis to support its growing operations.

The project posed a common but complex challenge: maximizing rack storage density within a limited footprint while ensuring a safe transition for pedestrians moving from the office into a busy warehouse with active forklifts and overhead loads.

Rather than sacrificing valuable floor space for pedestrian aisles, RDC sought a solution that maintained storage capacity, improved safety, and aligned with operational and brand standards.

## The Challenge

- **Limited floor space**
- **Pedestrian safety:** People regularly move between the office and warehouse, requiring a clearly defined and protected transition area.
- **Operational continuity:** Multiple doorways along the partition wall had to remain fully accessible without obstruction from rack components.
- **Aesthetic consistency:** All racking needed to match existing equipment and RDC's brand colors.
- **Durability and protection:** The solution had to shield pedestrians from hazards in an active warehouse environment.



# PEDESTRIAN RACK TUNNEL



## KEY FEATURES

### Integrated Pedestrian Rack Tunnel

A purpose-built racking system that combines high-density storage with a fully guarded pedestrian corridor between the office and warehouse.

### No Floor Space Trade-Off

Pedestrian protection is integrated into the rack footprint, preserving warehouse storage capacity.

### Overhead and Side Protection

Solid decking and structural rack components shield pedestrians from forklifts and falling objects.

### Controlled Access Gates

Default-closed swing gates maintain protection while allowing authorized, PPE-equipped personnel to exit the area safely.

### Custom Layout

Rack placement maintains clear access to multiple doorways along the office/warehouse partition wall.

### Brand-Matched Design

Custom finishes align with RDC branding and existing facility equipment.

### Durable Construction

Heavy-duty components built for long-term performance in active warehouse environments.

### Clear Installation Documentation

Detailed drawings supported efficient installation by RDC's internal team.

### Scalable Concept

The design can be adapted for other facilities with similar constraints.



## THE SOLUTION

RDC partnered with Speedrack Products Group to design and implement a custom Pedestrian Rack Tunnel: a fully integrated racking and safety solution engineered to address both space constraints and pedestrian protection within an existing live warehouse environment.

Rather than treating safety as an add-on or sacrificing valuable floor space for a traditional pedestrian aisle, the solution incorporated pedestrian guarding directly into the racking system itself.

This approach transformed what could have been a high-risk transition area into a functional, visually clean, and highly durable feature of the facility. The Pedestrian Rack Tunnel provides a clearly defined, protected pathway for office staff, customers, vendors, and visitors while simultaneously supporting high-density storage above and alongside the corridor.

*The result is a solution where safety, storage efficiency, and aesthetics work together, proving that engineered protection can enhance both operational performance and the overall look of the warehouse.*