Custom Fall Protection Solutions

MILLER FALL PROTECTION
Engineering Services

Miller FAS® Engineering Services

With more than 15 years of experience, Miller/FAS Engineering Services is dedicated to the design and installation of custom-engineered fall protection systems. Our qualified, licensed and experienced personnel complete all work from design and engineering to final field commissioning, in accordance with federal and local codes and regulations.

Providing Innovative Solutions

With a complete range of engineering capabilities, Miller/FAS provides innovative and superior solutions to an array of fall protection needs. Engineering services include:

- **Site survey consultation**
- **Design, supply and installation of passive and active fall protection systems**
- **Follow-up testing, training, inspection and certification**

All engineered solutions are in accordance with our client's work environment, procedures and budget. The added benefits expected include a significant reduction in risk, maintaining or lowering insurance premiums, controlling worker compensation claims, regulatory compliance and ultimately, safeguarding employee safety.

Site Survey Hazard Assessment

A fall protection site survey hazard assessment offers a consultative approach to identifying the safety hazards associated with fall exposures.

Passive Fall Arrest Systems

Miller/FAS recommends, designs and installs passive fall arrest systems, such as handrails, guardrails, catwalks/platforms, ladders and landings as a first line solution to fall hazards.

Active Fall Arrest Systems

When a *passive* fall arrest system is not considered an effective or an aesthetic alternative, Miller/FAS designs, supplies and installs *active* fall arrest systems.

Active Systems include:

Fall Restraint Systems that prevent a fall from occurring

Fixed Point Anchors when fall protection is only required in a localized area

Horizontal Systems that provide continuous fall protection when travel and mobility are required at heights

Miller/FAS offers cable-based, flexible horizontal lifeline (HLL) systems. Available in stainless steel or galvanized steel, all engineered horizontal lifeline systems feature a pass-through capability, some with a shuttle that can automatically pass through intermediate support points without disconnecting.

Rigid rail systems constructed with conventional steel beams, fixed or mobile; lightweight, extruded aluminum; or compact, stainless steel.

Ladder Safety Climbing Systems

Rigid-rail steel systems
(available in stainless steel, galvanized steel or aluminum)

Cable-based systems
(available in stainless steel or galvanized steel)

Ladders with integrated safety rail
(available in stainless steel, galvanized steel or aluminum)

Folding ladders with integrated safety rail
(available in aluminum)

Let our on-site experience and innovative solutions work for you!

Several thousand systems are currently in use throughout North America. Miller/FAS has installed fall protection systems to protect workers in a variety of applications for numerous leading corporations and on many prestigious projects:

APPLICATIONS

- Elevated Machinery, Stations or Decks
- Roof Access/Perimeters
- Window Washing
- Sloped Roof Surfaces
- Vertical Climbing – Ladders and Towers
- Building Ledges/Beams
- General Industry Manufacturing
- Power Plants and Paper Mills
- Aircraft Hangars
- Cranes and Crane Runways
- Commercial and Industrial Rooftops
- Arena Rigging Grids
- Communication Towers
- Elevated Railcars and Trucks
- Bridge Inspection
- Wastewater Treatment
- Pipe Racks
- Amusement Parks
- Fixed Anchor Points

CORPORATIONS

- Ford Motor Company
- General Motors Corporation
- Chrysler Corporation
- Honda Corporation of America
- Trans Ocean
- AT&T
- Sea World
- Entergy
- Gallo Winery

PROJECTS

- Longwood Gardens
- The Metropolitan Museum of Art
- The Smithsonian Institute
- Experience Music Project
- U.S. Holocaust Memorial Museum
- Cincinnati Reds Stadium
- Comerica Park
- World Arena
- Compaq Center
- Philadelphia Airport

Flexible, Client-Driven Project Involvement

Miller/FAS Engineering Services can take on a variety of roles and responsibilities from comprehensive "turn-key" services to providing owners, engineers, architects and contractors with specifications, design and/or installation assistance.

Miller/FAS has the capability to perform complete engineering, drafting and design services or work in concert with our client's agents to provide system loads and mounting requirements to assure proper installation. We can design and supply all required custom fabrications, or Miller/FAS will only provide the design and material specifications.

Installation can be handled entirely by Miller/FAS installation technicians or your personnel/local contractors working under the supervision of a Miller/FAS representative. Short, cable-based horizontal lifeline systems are available pre-assembled and shipped to the job site as OEM safety equipment, and can also be installed by your personnel under our direction.

Söll Xenon® Horizontal Lifeline System

Whether it's along a rooftop, inside an arena or high atop a suspension bridge, the Söll Xenon® Horizontal Lifeline System provides "hands-free" fall protection for a variety of configurations: straight or curved; multiple bends; floors; ridgelines or frontal posts. A uniquely-designed shuttle connector automatically bypasses intermediate supports without disconnecting from the lifeline, increasing mobility and promoting worker safety.

Because of its versatility, simplicity and minimal maintenance, a Xenon System is the perfect solution for engineers, architects and contractors to provide secure safety access on new buildings, industrial sites, railcars, pipe racks, arenas, bridges, etc.

- Easy installation — either in-house maintenance personnel, under the supervision of an installation technician, or by a certified Xenon installer
- Stainless steel components withstand harsh environments
- Söll System Design Software calculates specifications for any application
- Worker attaches by using an approved lanyard and full-body harness

Söll GlideLoc® Ladder Climbing System

The innovative GlideLoc® Ladder Climbing System can be engineered as an integral component of a new fixed ladder system, or retrofit to an existing fixed ladder. Available with a variety of accessory options to meet specific needs. Designed for ladder applications in telecommunications, utilities, industrial facilities, drilling rigs/platforms, shipbuilding, crane installations and confined space.

- The only ladder system offering ergonomic support since the user can lean forward or back while ascending/descending, reducing fatigue; ideal for closed-cage environments
- The unique Comfort™ fall arrest shuttle glides smoothly along the rail
- Additional design components provide horizontal movements without the need to disconnect from the system
- Available in aluminum, galvanized steel or stainless steel construction

Bacou-Dalloz ... World Leader In Personal Protection Equipment

The Bacou-Dalloz Group is the world leader in the design, manufacturing and sale of Personal Protection Equipment (PPE). The company employs about 6,100 people and operates 40 production facilities. Bacou-Dalloz provides unmatched head-to-toe protection through two strategic business segments: head protection (eye, hearing and respiratory) and body protection (gloves, clothes, shoes and fall protection). Bacou-Dalloz offers a full product range aimed at the manufacturing, construction, telecommunications, medical, public services and other sectors. Its products are available from its distributor partners worldwide.

MILLER FAS Engineering Services

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