

FlexiGuard™ CUSTOM ACCESS SOLUTIONS

Strong. Versatile. Safe.



PLATFORMS

MOBILE

SYSTEMS



MOBILE FALL PROTECTION SYSTEMS



DOCKING SYSTEMS



CANTILEVERED SYSTEMS



FIXED PLATFORMS



FIXED LADDERS & STAIRCASES



JOB SPECIFIC SYSTEMS

In Fall Protection

From The Worldwide Experts





DBI-SALA FlexiGuard™ CUSTOM ACCESS SOLUTIONS

The Leader in Fall Protection and Access Solutions

As a leader in the fall protection and access industry for over 50 years, Capital Safety, with it's DBI-SALA brand, has designed and built a wide variety of custom access products, including steel rolling ladders, work platforms, conveyor crossovers, fixed ladders and the fall protection equipment to go with it. Capital Safety's strength has been developing unique solutions designed to address the most demanding requirements for reaching heights safely and efficiently.

Capital Safety provides industry leading innovation through the continued development of its FlexiGuard™ Custom Access Solutions.

Contact us today so we can demonstrate just how effective it can be to partner with an organization who truly understands your needs for safe and reliable custom access solutions.

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INDUSTRIES SERVED



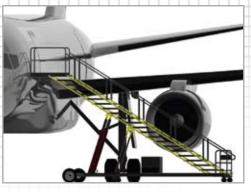




With an expert understanding of standards and a versatile team of designers, engineers, and fabricators, Capital Safety is well-equipped to address unique fall protection challenges in a wide variety of industries. We provide a high level of service from assessing applications to quoting with visual proposals to top-quality fabrication and safe solutions.

TRANSPORTATION













CONSTRUCTION







WIND ENERGY



TRANSPORTATION

OIL AND GAS



OIL AND GAS



INDUSTRY

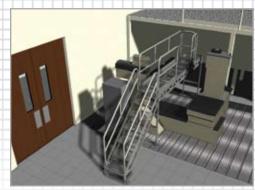
UTILITIES

CONSTRUCTION





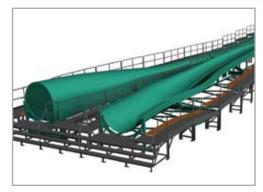














WIND ENERGY

Adjustable Access Solutions





Project Description: Vertical Engine Stand

Industry: Transportation-Aviation

Application: Specialty platform system for prototype aircraft engine work. The stand is adjustable in height and inside radius. Universal design allows for use on both sides of the structure.

Features:

- Photo eyes disable lift when personnel are below platform
- Strobe light and alarm sound during adjustment
- Sensor prevents lowering of tables with the ladder down

ADJUSTABLE SYSTEMS







Adjustable Custom Access Solutions provide the ability to operate at a wide range of platform heights. This type of adjustment gives the worker access to various working positions and allows one ladder to replace multiple static height ladders. The adjustment is provided by either hydraulic hand pump or via standard shop air for ease of use.

Project Description: Mobile Utility Access Ladder

Industry: Utilities

Application: Mobile design and extended height adjustment range allows servicing at multiple locations and eliminates the need for site specific systems.

- Hydraulic lift system
- Adjustable work platform cage
- Grip Strut® safety tread
- Rise/run automatic adjustment



Project Description: Adjustable Height Truck Access

Industry: Oil and Gas

Application: Used to gain access to a coal truck for maintenance work. The unit adjusts in height for various applications using shop air to drive a pneumatic cylinder.

The articulating steps allow the rise/run to remain consistent at any height.

Features:

- Aluminum/Steel hybrid construction
- Grip Strut® steps
- Adjusts through 40" of vertical travel
- Screw jacks for enhanced stability on irregular terrain



Project Description: Aircraft Pylon Access Stand

Industry: Transportation-Aviation

Application: Improves sensor access in the pylon area above aircraft engines. The curved platform with side rails cantilevers over the engine to allow a worker to lean comfortably and safely over the pylon.

Features:

- Hand pump hydraulic adjustment eliminates need for power source
- Adjusts for different aircraft or loading situations
- Grip Strut[®] walking surfaces do not collect rain or snow
- Rubber bumpers protect aircraft from accidental contact



Project Description: Mobile Assembly Platform

Industry: Industry

Application: Replacing optical components in laser arrays at a research facility. The adjustable-height platform can be moved easily eliminating scaffolding that had to be collapsed and re-built for each new location or working height.

Features:

- Two independent batteryoperated lift tables
- Full guardrails and gates on both platforms
- Automatically telescoping ladder access
- Bolt-on outriggers can be relocated front or back



Project Description: Portable Tanker Access Ladder System (PTALS)

Industry: Transportation-Trucking

Application: Provides safe access and fall-protection for workers at elevated work areas. Customize by choosing your system height, platform size, wheel kit and fall arrest options.

- Adjustable height for site versatility
- Wheel options available for various terrain
- Numerous platform accessories available for customization



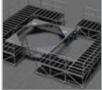


Mobile Platform Access Solutions



MOBILE PLATFORMS







Mobile Platforms can be positioned in and around the work area for greater versatility. These platforms incorporate step locks, locking wheels, and floor locks or screw jacks for added system stabilization and safety. Mobile platforms allow your custom access solution to be as dynamic as your work flow.

Project Description: Bus Top Platform System

Industry: Transportation-Bus

Application: Designed to provide safe access to rooftop components of mass-transit vehicles. The mobile system can be used for a variety of different vehicle types and sizes.

Features:

- · Locking swivel wheels for mobility
- 20" height range adjustability with a forklift or crane
- Removable bridge section for smaller vehicles
- Swinging guardrails pin to opposite platform creating complete safe zone



Project Description: Cantilever Tank Access Ladder

Industry: General Industry

Application: Mobile platform designed to fit inside contoured structure. Adjustable platform is ergonomic and efficient.

- Protective bumper on front edge
- Diamond plate steps and desk
- Removable guardrails
- Swing gate at top of steps



Mobility In And Around The Work Area

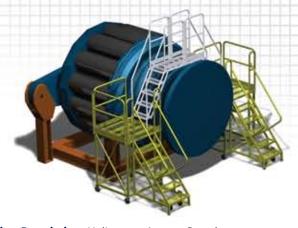
Project Description: Wind Generator Motor Access Stand

Industry: Wind Energy

Application: Designed to provide mobile access to wind generator motor fans during production. The top sections drop into place after base platforms are positioned.

Features

- Steel/Aluminum construction
- Grip Strut® walking surfaces
- Built-in lifting points on top platforms for overhead crane
- Steel base sections have a step lock mechanism



Project Description: Helicopter Access Stand

Industry: Transportation-Aviation

Application: Designed to be positioned by one or two people to provide access to a helicopter airframe. The pull-up railing post allows rotor to fit underneath during placement.

Features:

- Screw jacks at corners for enhanced stability
- Cutaway in center of platform to accept rotor shaft
- 2 person or 500 lb capacity
- Switchback access ladder



Project Description: Refrigerated Truck Maintenance Platform

Industry: Transportation-Trucking

Application: Designed to provide safe access to the refrigeration units on freezer trucks during maintenance and inspection.

Features:

- Adjustable height for use with a wide range of truck sizes
- Heavy-duty wheels for durability in the field
- Center guardrail includes cut away for refrigeration unit access
- Grip Strut® platform surface



Project Description: Valve Access Platform

Industry: Utilities

Application: Designed to access valves over large pipes inside treatment facilities. Easy to move from pipe to pipe with minimal setup effort.

- Galvanized finish for wet environment
- Grip Strut® platform does not hold water
- Maximum clearance under the platform
- Spring-loaded swing gates at access points





Mobile Fall Protection Systems



MOBILE FALL PROTECTION







Mobile Fall Protection Systems provide the Adjustable in height, they provide an active Project Description: Adjustable Free-standing Ladder Access System

Industry: Transportation

Application: Designed to provide safe access and fall protection for workers at elevated areas. Comes standard with adjustable handrails, foam-protected platform, two anchor davits and a fall arrest ladder anchor. Available in a range of

- powder-coated steel

- personal fall arrest systems





Project Description: Adjustable Quad Frame System

Industry: Transportation

Application: Provides mobile overhead anchorage point for your fall protection system. Ideal for use over large equipment and vehicles. Versatile system is available in adjustable or fixed height versions.

- Lightweight aluminum and powder-coated steel
- Easily moved by hand
- Overhead anchorage point for personal fall arrest systems

Portable, Adjustable And Safe

Project Description: Adjustable Free-standing A-frame System

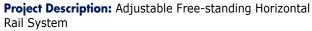
Industry: Transportation

Application: Combines the security of an overhead fixed anchorage point with a portable structure. Ideal for providing fall protection to workers performing maintenance on top of large vehicles or equipment.

Features:

- Constructed of lightweight aluminum
- Easily moved by hand
- Provides horizontal mobility for up to 3 workers
- Overhead anchorage point for personal fall arrest systems





Industry: Transportation

Application: Designed to provide safe access and horizontal fall protection on or near sensitive equipment. Available in a range of heights and widths. Complete with overhead horizontal rail and two trolley anchor points.

- Lightweight aluminum and powder-coated steel
- Adjustable in height
- Easily moved by hand
- Overhead anchorage point for personal fall arrest systems





Docking System Access Solutions



DOCKING SYSTEMS







Docking Systems represent a number of FlexiGuard™ products combined to form a system to gain access for maintenance repair operations or production work on aircraft and vehicles. Each system design is tailored to the application based on the type of work being performed, and the aircraft or vehicle being accessed.

Project Description: Aircraft Docking System

Industry: Transportation-Aviation

Application: This docking system provides full coverage to the horizontal stabilizer of the aircraft. The specialized cantilevered design minimizes overall footprint.

- · Crown face high capacity wheels
- Rubber bumper material at potential contact points
- 2,000 lb capacity pendant operated jib crane
- 12 person capacity (6 person per level)
- 50° forward descent staircases on each half





Multiple Configurations, Ultimate Flexibility

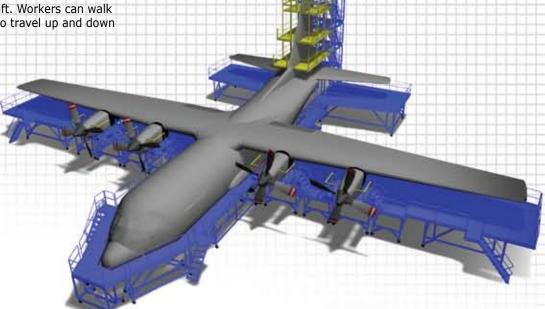
Project Description: Full Aircraft Docking System

Industry: Transportation-Aviation

Application: Docking system for complete airframe allows full access to elevated areas of the aircraft. Workers can walk the entire perimeter without having to travel up and down the stairs.

Features:

- Screw jacks to lock platform in place during use
- Rubber bumper material at potential contact points
- 12 person capacity (6 person per level)
- Traction tread walking/working surfaces
- Descent staircases at multiple access points



Project Description: Jet Wing Docks **Industry:** Transportation-Aviation

Application: Provide safety to U.S. Air Force personnel during sand-blasting operations on aircraft. Individual platforms encapsulate the wing area and can be handled separately, or linked together when in use.

Features:

of platforms

Floor locks for added stability
Removable 42" guardrails
Diamond tread
walking surfaces
Manual height
adjustment
via forklift
or multiple
people
Protective
bumpers
along inside

Project Description: Helicopter Access Stand Industry: Transportation-Aviation

Application: Designed for gaining access to the helicopter airframe in hangar environments. Incorporates swinging fall protection railing to guard areas of the aircraft that can be walked on, and includes relief cut-outs on the platform to accept parts that extend from the aircraft.

- 50° forward descent ladders for access to platform
- Full bumper on contact points with aircraft
- Pneumatic flip doors accept engine cowling when open





Cantilevered Access Solutions



CANTILEVERED SYSTEMS







Cantilevered Systems allow the user to be suspended over an area of interference. These products can be mobile or fixed and provide the user with a way to reach over obstacles that standard access equipment cannot. This is an ideal solution when working on or near delicate structures such as aircraft.

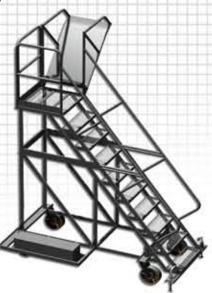
Project Description: Horizontal Tank Access Ladder

Industry: Oil and Gas

Application: Designed to lean over the curvature of a horizontal tank to gain access to a hatch on the top.

Features:

- Angled rest platform allows user to lean-in and reach components
- Oversized wheels easily handle rough surfaces
- Leveling jacks provide stability during work
- Counter-weighted design for added safety



Project Description: Cantilevered Engine Access Ladder

Industry: Transportation-Aviation

Application: Designed to maintain turbine engines for the aeronautical industry. The cantilevered platform and mobile design allow access to a variety of applications.

- Welded steel construction
- Grip Strut® safety tread
- Step Lock® safety system
- 50° safety angle ladder
- Mobile design



Extending Your Work Area

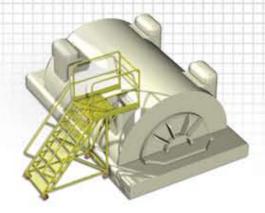
Project Description: Generator Access Ladder

Industry: Utilities

Application: Cantilever design with floor access provides opening for worker accessing generator in power plant.

Features:

- Steel construction with locking wheels
- Floor opening provides access to structure below
- Platform is fully surrounded by guard rails



Project Description: Engine Access Ladder

Industry: Transportation-Aviation

Application: Provides safe access over the top of aircraft engines on the manufacturing floor. Side cantilever design allows the stand to fit into tight spaces.

Features:

- Locking wheels for mobility
- Counterweighted for a 450 lb capacity
- Adjustable height to fit different engine designs
- Cantilever platform can be interchanged with guardrail for use on either platform



Project Description: Helicopter "Beanie Stand"

Industry: Transportation-Aviation

Application: Designed to access the "beanie" area on top of the rotor on helicopters. Platform designed to hang over the helicopter and adjust in height. Articulating ladder adjusts its incline automatically with the changing platform height.

Features:

- Locking wheels for mobility
- Cantilever support under the helicopter eliminates the need for counterweight

 Height adjust with hand pump and hydraulic cylinders

 Articulating ladder maintains code-compliant rise over 36" height adjustment



Industry: Wind Energy

Application: Provides safe access to the top of the hub to rig overhead crane lifting point for plant floor transportation.

- Grip Strut® walking surfaces and heavy-duty locking wheels
- Guardrails extend over top of hub for complete protection
- Cantilevered design provides close-up fit
- 75° marine angle ladder to minimize footprint

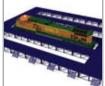


Fixed Platform Access Solutions



FIXED PLATFORMS







Fixed Platforms are custom designed to fit into a single application. These systems are typically permanent, becoming an integral part of the work environment. These platforms are typically used for machine access in production facilities, but have many more applications within industry.

Project Description: Spray Ball Tank Access

Industry: Oil and Gas

Application: Designed to access tanks for daily maintenance. The ladder has cutouts to fit around the tank and a swing ladder for access in a confined space.

Features:

Platform with Marine Angle Ladder

All stainless steel construction

 Cutouts around tank and pipe

Grip Strut®
 steps and deck

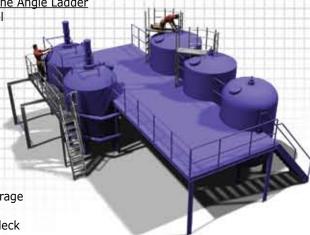
Features:

Swing Ladder with Platform

 Lightweight aluminum construction

• Designed for storage when not in use

· Diamond tread deck



Project Description: Platforms to Access Tank Monitoring Equipment

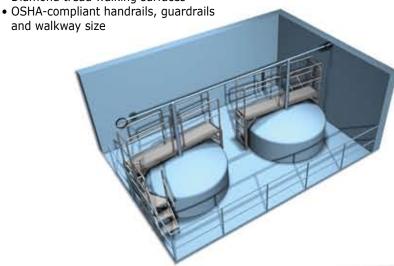
Industry: Oil and Gas

Application: Designed to access valves, sensors, and other equipment over stainless steel storage tanks. Light enough to be setup by hand and moved to different locations.

Features:

• Lightweight and corrosion resistant aluminum construction

• Diamond tread walking surfaces



Permanently Integrated Into Your Work Area

Project Description: Heavy-Duty L-Shaped Crossover

Industry: Utilities

Application: Designed to provide access to a recessed concrete pit at a power plant. Crossover feature allowed access over a short wall.

Features:

- · Galvanized finish for weather resistance
- Grip Strut® does not collect rain, snow, or debris
- Varied ladder heights available
- Foot plates for bolting to a concrete pad



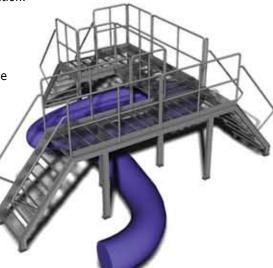
Project Description: Oil Pipe Crossover System

Industry: Oil and Gas

Application: Designed to span over existing pipes, duct work, and walls. Crossovers designed in multiple small sections for ease of installation.

Features:

- All aluminum construction
- Heavy-duty channel frame
- Wide grip strut steps and deck
- Adjustable feet for leveling purposes



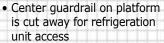
Project Description: Gas Truck Access Gangway

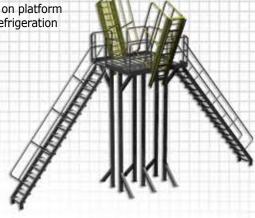
Industry: Oil and Gas

Application: Designed to provide access to the tops of gas trucks in a prefabricated truck dock building.

Features:

- Hi-Vis yellow and reflective tape enhances driver visibility
- Gangways have pneumatic assist pistons for ergonomic use
- Grip Strut® walking/working surfaces





Project Description: Locomotive Production and Maintenance Platform

Industry: Transportation-Rail

Application: Designed for maintaining and servicing various locomotive components. Modular system allows multiple platforms to be connected together.

- Welded steel construction
- Diamond tread work surface
- Grip Strut® safety tread
- · Powder-coat finish

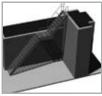


Fixed Ladder And Staircase Access Solutions



FIXED LADDERS AND STAIRCASES







Fixed Ladders and Staircases allow for vertical access to rooftops and mezzanines, as well as many other applications. Fixed ladders travel 90° vertically and are typically used for periodic access to locations, while fixed staircases are setup for frequent access.

Project Description: Fire Escape Staircase System

Industry: Construction

Application: Designed to provide emergency egress for multiple levels of an existing building.

Features:

· Lightweight aluminum construction

 Perforated steps for traction and drainage
 Usedesile and grandesile

 Handrails and guardrails with balusters for safety

Connections to ground and building

 IBC compliant rise and run on all steps

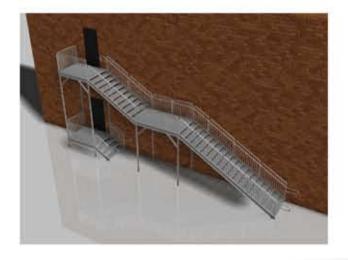


Project Description: Dual Aluminum ADA Staircase

Industry: Construction

Application: Designed to provide ADA compliant stair access to a building.

- Welded aluminum construction
- ADA compliant hand/guardrail system
- ADA compliant rise/run step constraints



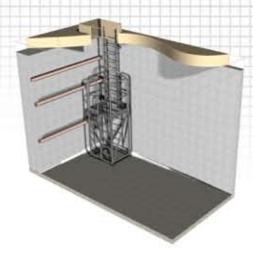
Project Description: Roof Hatch Access Ladder

Industry: General Industry

Application: Designed to provide access to a roof hatch.

Features

- Mid-way platform for easy hatch access and opening
- Perforated tread rungs and Grip Strut® platform
- Will accept flexible cable ladder safety system

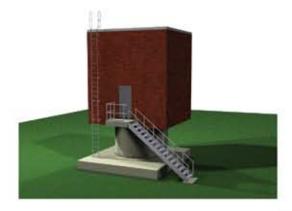


Project Description: Galvanized Access Stair and Ladder **Industry:** Utilities

Application: Designed to provide stair access to a municipal water treatment plant.

Features:

- Galvanized finish for weather resistance
- Bar grating steps on the staircase
- Heavy-duty channel and pipe constructed staircase
- Non-slip rebar rungs on the fixed ladder



Project Description: Fixed Steel Ladder System

Industry: Utilities

Application: Designed to access a storm drain for periodic maintenance and inspection. This system has both a galvanized and powder-coat finish to increase the product lifespan in a continuously wet environment.

Features:

- Galvanized and Powder-coated finish for weather resistance
- Grip Strut® rest platforms
- Rest platforms cut to fit diameter of existing storm drain
- 42" guardrails at each platform level

Project Description: Fixed Tank Access System **Industry:** Oil and Gas

Application: Designed to provide access to the inside of a storage tank for cleaning and preparation work.

Features:

• Powder-coated steel construction

• Grip Strut® walking surfaces for maximum traction

• Swinging cantilever platform can be locked in place

 Sliding aluminum ladder does not contact inside of tank



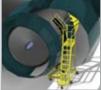


Job Specific Access Solutions



JOB SPECIFIC SYSTEMS







Job Specific access solutions are designed for very unique circumstances in specialized applications or environments. Many times these systems incorporate multiple custom access solutions. If you have a difficult application, we can tailor a solution to address your needs.

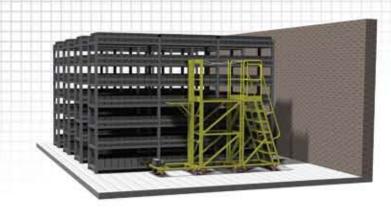
Project Description: Shelf Access System

Industry: Industry

Application: Designed to navigate narrow aisles and negotiate tight corners. Provides safe access and retrieval of items on shelving units.

Features:

- Unique 3-piece design for tight spaces
- Battery powered winch transports heavy material to ground safely
- Safety chains allow full access to both sides

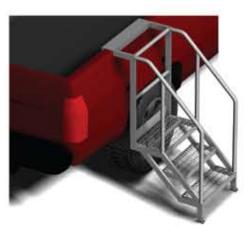


Project Description: Ladder for Off-Loading Trucks

Industry: Transportation-Trucking

Application: Improves worker ergonomics and efficiency when unloading trucks. Light enough to hand-carry and easy to set up.

- Self-adjusting feet for uneven ground
- Guardrail hooks over truck bed
- Deep top step for standing room
- Grip Strut® steps are self-cleaning



Unique Designs, Complete Safety

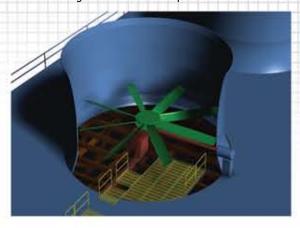
Project Description: Cooling Tower Access System

Industry: Utilities

Application: Modular access system fits over cooling tower mouth providing a safe work surface during maintenance.

Features:

- Grip Strut® platforms
- · Platforms pin into position during use
- Frame has adjustable mounts for flexible install
- · Perimeter guardrail and kick plate



Project Description: Locomotive Access Platform

Industry: Transportation-Rail

Application: Designed to provide locomotive workers safe boarding access by eliminating jumping the gap between the platform and the decking.

Features:

- Narrow width matches locomotive decking
- Leveling pads with grip texture prevent shifting
- Lightweight for easy placement and handling
- Guard rails to eliminate the need to balance



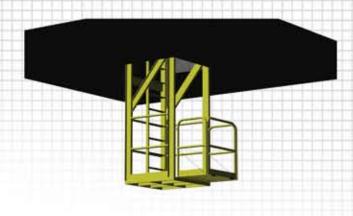
Project Description: Under-floor Access Solution

Industry: General Industry

Application: Work basket extends below floor providing a comfortable position to reach pipes for maintenance and repair.

Features:

- Lift rings for movement by crane
- Platform extension folds out increasing floor space
- · Guard rails around opening prevent fall hazard



Project Description: Aircraft Cowling Access Stand

Industry: Transportation-Aviation

Application: Used for gaining access under the aircraft cowling after manufacture. The curved platform rotates backwards, and the top telescopes downward to allow system to fit under the struts holding the cowling open.

- Screw jacks for stability
- Rubber bumpers at contact points
- Grip Strut® steps
- Hydraulic hand pump telescoping system
- Curved lean pad for ergonomic position





Development Process



DEVELOPMENT PROCESS







Capital Safety has created a proven process industry, environment and specific design Engineer will manage the process assuring

A custom access solution is created based on your application requirements and design constraints.

Sales Engineer

- Determines goals and expectations
- Qualifies the application considering safety, code compliance, ergonomics and productivity
- Outlines the manufacturing process

Designers

- Develop concept and create 3D renderings of the solution
- Customer evaluates design
- · Revisions are made and final design is approved

Engineers produce models and drawings to your exact specifications.

Engineers

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- Validate the design solution
- Perform a structural analysis
- Select materials
- Approve third-party components
- Detailed CAD drawings are generated for customer approval
- Full production drawing package is created for fabrication upon customer approval

Application



STEP 1

Engineered Design



STEP 4

Fabrication



STEP

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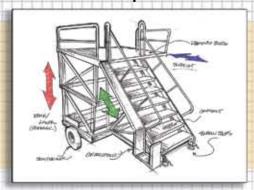
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Expert welders and fabricators bring your project to life.

- Project materials purchased
- Production schedule is developed
- Custom Access Product is fabricated
- Quality checks are performed
- Solution is delivered

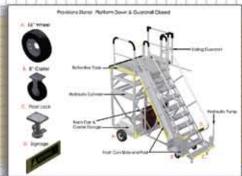
Custom Solutions Completed In Just Weeks.

Development



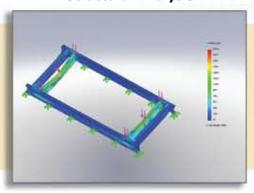
STEP 2

Concept Rendering



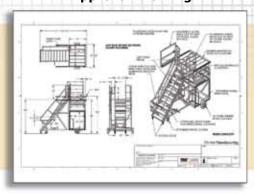
STEP 3

Structural Analysis



STEP 5

Approval Drawing



Finished Product



STEP 8

STEP 6

Final Application



STEP 9

For Absolute Confidence At Height, DBI-SALA Offers A Full-Line Of Fall Protection And Rescue Gear



Full Body Harnesses

- Distributes forces throughout body during a fall
- Maximum comfort, freedom of movement and ease of use
- Exhaustive designs and configurations available to suit any need



Shock Absorbing Lanyards

- Limits fall arrest forces to under 900 lbs.
- · High strength construction
- Many configurations and hook styles available for any application



Anchorage Devices

- Superior 5,000 lb. strength
- Lightweight designs for ease of use
- Styles vary widely to attach to almost any structure



Self Retracting Lifelines

- Extends and retracts automatically for added comfort and safety
- Limits fall arrest forces to under 900 lbs.
- Extends safe work area, available in lengths from 8 ft. to 175 ft.



Vertical Lifeline Systems

- Mobile and static designs
- Specialized designs available for both rope and cable
- Unique braking systems stop falls quickly and safely



Horizontal Lifeline Systems

- Precision engineered to provide horizontal movement and protection
- Wide range of styles available to suit any need
- Uniquely designed to enhance safety and productivity



Confined Space Rescue Systems

- Provide work support, fall protection and retrieval
- High quality, rugged systems ensure top performance when it counts
- Modular and lightweight designs for versatility and ease of use



Descent and Escape Systems

- Gets you down from high places in a hurry safely
- Lightweight and compact for fast and easy deployment
- Performance built for ultimate reliability and control



i-Safe™ Intelligent Safety System

- Save time and money with real-time information management
- Easily record and access inspections, inventory and user information
- RFID tag built-into most DBI-SALA brand fall protection equipment



FlexiGuard™
CUSTOM
ACCESS SOLUTIONS

Contact Us Today

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