

DESIGN FEATURES & OPTIONS



TACTICAL
TRAINING SYSTEMS



Proudly Made in the U.S.A.

Standard Features

Your Fire Facilities proposal will include a list of all components that are added to the standard tower models.

Please contact your regional manager at 800-929-3726 for more information.



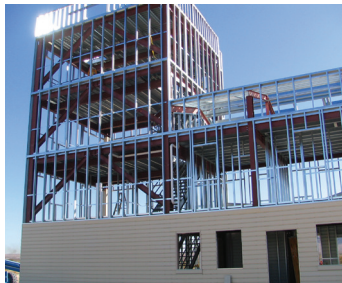
Foundation

Designed to handle the structural tower loads and existing site conditions. All ground floor columns and stud walls sit on a concrete curb. The ground floor will be sloped to aid in removing the high volumes of water utilized in these types of structures.



Primary Structural Frame

FFI utilizes hot-rolled structural steel materials and design to provide the highest strength structure that allows utmost design flexibility to meet custom needs.



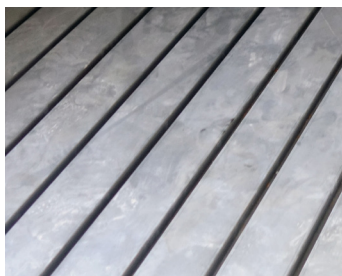
Secondary Structural Frame

Framing for the walls, floors and roof is constructed with hot-dipped galvanized "Cees" designed to support the loads they are exposed to. The condition of every building project is examined to ensure that size, strength and fit are perfect.



Roof Panels

The roof panels are roll-formed and are 30" to 36" wide. The panel's deep channels provide a means of directing water, snow and ice off the roof. These panels are manufactured from 18-gauge, hot-dipped galvanized steel. Standard caulked side laps and contoured closures fit the panel ends to produce a weather tight roof that is durable and safe.



Floor Panels

Since commercially-available metal decks have large recesses, we manufacture our own 18-gauge galvalume floor panel. Specifically designed to provide a safe working deck, they are manufactured to provide the flattest and most skid resistant floor panel available. Our floor panel provides a strong, slip-resistant surface that can support well over 100 pounds per square foot.



Wall Panels

FFI 18-gauge wall panels are designed with the same loading requirements as our floor panels. Our wall panels will withstand rappelling, laddering and climbing with safe, flat working surfaces. Wall panels are horizontally lapped, providing a visually appealing exterior similar to residential siding. We offer a 30/25-year limited warranty on paint finish, which includes chalking, fading, and breakdown of film integrity.



Stairs

The stair systems are made from heavy gauge steel stringers and bar grate treads. Hot-dipped galvanization is provided for increased corrosion protection and reduced maintenance.



Doors

Doors for all areas, with the exception of burn areas, are double skinned, insulated hollow metal swing doors. Both doors have stainless steel, commercial grade ball-bearing hinges. The FFI designed and manufactured specialty burn room doors which are constructed of 18-gauge galvanized steel, with an additional 18-gauge steel skin on the opposite side. Galvanized doors are required to prevent premature rusting. The burn room door is lined with Westemp Insulating Panels.



Window Shutters

FFI designs and manufactures all window openings, which are provided with a swinging shutter. All shutters are made with double skins of 18-gauge galvanized steel and stainless steel ball bearing hinges. We provide an 18-gauge sill trim that has a beveled/45 degree corner to help prevent damage to turnout gear and rope work when climbing in and out of window openings.



Parapet Walls

FFI parapet walls are designed to withstand a load of 50 lbs/ft and a concentrated point load of 200 lbs in any direction at the top. The parapet has an integral draining system that provides uniform drainage without the need for a concrete roof covering. We provide an 18-gauge sill trim that has a beveled/45 degree corner to minimize wear and tear on turnout gear and other equipment.



Westec® Insulation System

Westec® is a patented two-part system that protects your fire training tower two ways. Outside, a strong stainless steel panel is tough enough to withstand the most strenuous training exercises. Inside, a Westec® Insulation Blanket protects your tower from extreme temperatures during training. The system withstands temperatures of 1850°F. Westec® is supported by a 15-year non-prorated limited warranty. * The Westec® Insulation System is protected by US Patent 7,823,357 B2.

For firefighter safety, Fire Facilities does not recommend training at temperatures in excess of 1200°F.





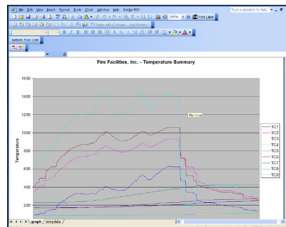
SCOUT PYROMETER

*Included with Burn Room(s)

The Scout Pyrometer provides real-time data monitoring and data logging of up to nine thermocouples simultaneously and is mounted in a NEMA 3R weatherproof enclosure. The Scout features an easy to read back-lit LCD screen, programmable internal and external alarms for each individual thermocouple, capacitive sensitive buttons, and Bluetooth connectivity.



- Simultaneous display - LCD shows temperatures of nine separate thermocouples at the same time, with maximum temperature reading, built-in clock, and battery life indicator
- Bluetooth connectivity features the ability to broadcast temperature information (screen mirroring) and alarms to a user supplied Apple or Android device from up to 270 feet away
- Touch-sensitive controls are easy to use
- Back-lit display makes it easy to read in any light conditions
- On-screen programming provides access to adjust pyrometer controls, to enable specific data collection and safety parameter set-up
- Internal memory sustains 90 hours of logged time and temperature data that may be downloaded to the DTD mentioned below
- Adjustable sampling rate allows data to be recorded into the memory at adjustable rates, up to four samples per location each minute
- Polycarbonate housing provides durable moisture barrier and a tough exterior
- Battery powered by a separate battery pack for easy access to the power supply
- Each unit includes a Data Transfer Device (DTD) to allow wireless infrared transfer of data from the pyrometer. Data can then be brought to an off site Windows based computer for download via the SD/SDHC data storage card provided
- One year warranty
- Interactive, Microsoft® based software - Provided to facilitate the creation of a complete training record using Microsoft® Excel. Graphs and charts depict actual training temperatures via Excel visual basic programming provided. (Excel software not included)



FIRE WATCHMAN PYROMETER

**Upgraded Option

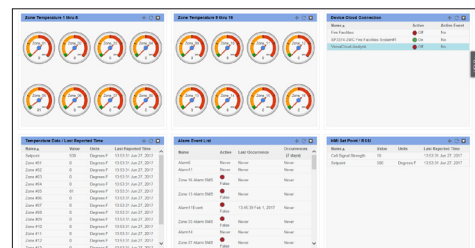
The Fire Watchman pyrometer features wireless on site access to the pyrometer which is accessible with most Android or Apple, phone or tablet via Wi-Fi. The pyrometer can also be accessed from any location via The Cloud. It sends a mobile alert when temperature exceeds pre-set limits. The Fire Watchman has adjustable alert temperature settings. Mobile Cloud access to current and stored burn data makes it easy to review the data anytime, anyplace.





The Fire Watchman Pyrometer is capable of monitoring up to 16 thermocouples simultaneously.

Other features of the Fire Watchman include:

- Capacitive sensitive back-lit touch screen monitor
- On-Screen programming with pyrometer's touch screen or mobile device
- Multiple burn room data widgets, accessible via The Cloud
- Automatically records at temperatures above 150 or 200 degrees Fahrenheit
- Data stored on weather sealed USB drive and transmitted to The Cloud. The 16 GB USB drive provided sustains over 20 years worth of logged time and temperature data
- Audible/visual alarm along with text alert signal when temperatures exceed pre-set limit (additional external audible/visual alarms can be added).
- Waterproof locked NEMA enclosure
- One year warranty



FEATURES	 SCOUT PYROMETER	 FIRE WATCHMAN PYROMETER
Screen	Back-lit Monocolor LCD	Back-lit Full Color Touch Screen Monitor
Power	Battery (AC conversion available)	Direct Power Line Required/120 Volt AC
Data Storage	Internal Memory	External USB or Cloud*
Data Transfer	Infrared Transfer to a DTD Device (SD/SDHC Data Card)	Data Stored on Weather Sealed USB Drive & Transmitted to The Cloud*
Data Logging	On/Off Button	Thermally Activated/Always ON
Activate	Manual On/Off Button	Thermally Activated/Always On
Charts/Graphing Capabilities	Via Visual Basic Program in Excel	Via The Cloud*
Distance/Screen Mirroring to Mobile Device	Via Bluetooth	Via WiFi and/or The Cloud*
Audible/Visual External Alarm	External Alarm Option Available Internal Alarm Included	Included
Cellular Texting Alarm	Texting Alarm Option Available*	Via The Cloud /Cellular Service*
Thermocouple Capacity	9	16

* Additional fee required for The Cloud and/or texting service.

Alarms

Pyrometer External Alarm

Audible and visual external alarm components connect to Scout Temperature Monitoring System. Buzzer (85 decibels at 10 feet) and amber strobe light notify the trainer when burn room temperatures exceed pre-set trip limits. Alarm components include a 24 VAC transformer, relay, momentary kill switch/button, and a NEMA 3R metal enclosure. 120 VAC electrical service and component assembly required. Ensures safe live fire training by providing a hands-free warning when pyrometer's trip limits have been surpassed.



Scout Cellular Texting Alarm

The cellular texting alarm is a long distance real-time notification system used in combination with the Scout Pyrometer. A cellular text message will be sent out to when the burn room temperatures exceed the trip limits (which are preset via the Scout Pyrometer). Cellular messages notify the user of both the time and date of when the temperatures are exceeded, when the temperatures return to normal, and when a power outage occurs.

It will also send a message when the power is reestablished, and when the backup batteries are low. The cellular alarm itself includes two inputs, a 100 decibel buzzer, and cellular programming capabilities. The alarm is contained in a gasketed aluminum NEMA 4X enclosure. 120 VAC electrical service, component assembly, Verizon cellular activation/annual fee, backup batteries, and wiring materials are not included.



Pyrometer External Alarm Horn

External audible alarm upgrade to the Scout External Alarm, features an adjustable 78-103 decibel level and has a 120 VAC electrical service. Weather rating is NEMA 4x.



Burn Props - Class A

Bed Simulator

The bed simulator assembly consists of ¼" thick prime painted angles and 12-gauge stainless steel panels, bolted together with ⅜" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 ½" x ⅜" bar grate is designed to hold class "A" materials 1'-4" above the floor surface.

Dimensions are approximately 4' 5 ½" x 4' 5 ½" x 4' 4" tall, resembling a bed with headboard. A sliding/removable stainless steel lid with large ventilation holes limits the number of pallets that can be placed in the unit by covering approximately half of the entire unit.



Bunk Bed Simulator With Burnable Top Bunk

The bunk bed simulator assembly consists of ¼" thick prime painted angles and 12-gauge stainless steel panels bolted together with ⅜" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 ½" x ⅜" bar grate is designed to hold class "A" materials 1'-4" above the floor surface.

Dimensions for this prop are approximately 4' 5 ½" x 4' 5 ½" x 6' 7" tall. The overhead bar grate bunk of this unit is also 4' 5 ½" x 4' 5 ½" and provides another secondary fire area.



Bunk Bed Simulator with Enclosed Top Bunk

The bunk bed simulator assembly consists of ¼" thick prime painted angles and 12-gauge stainless steel panels bolted together with ⅜" diameter bolts. The prime painted 19W4 x 1 ½" x ⅜" bar grate is designed to hold materials 1'-4" above the floor surface.

Dimensions are approx. 4' 5 ½" x 4' 5 ½" x 6' 7" tall. The overhead bunk of this unit is also 4' 5 ½" x 4' 5 ½" and is enclosed by stainless steel panels.



Burn Area, Attic- Class A and B

4' x 4' area consisting of three walls, the floor, and ceiling lined with the Westec® Insulation System. Fires are limited to 600°F. Provides an excellent fire location in the attic, offering variety in trainings scenarios.



Burn Area, Corner- Class A and B

8' x 8' area can be designed in nearly any inside corner of any Fire Facilities fire training tower. Fires are limited to 600°F. Floor protection supplied by others. Provides excellent second and third fire locations, offering a variety of training scenarios. Ideal for trash can style fires.



Westemp® Insulating Panels- Class A and B

4' x 4' x 1" thick non-asbestos, incombustible panels combine structural strength with high thermal insulating values. It is not subject to thermal shock and offers low moisture absorption, providing protection to a continuous burn of 1200°F.



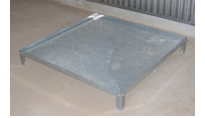
Burn Bin- Movable Burn Prop

30"W x 50"L x 36"H, constructed of ⅜" stainless steel, weighing 300 pounds. Includes large handles and heavy steel locking casters for easy relocation. Holds the fire 18" above the floor to protect the floor surface and contain the fuel pile; eliminates the scattering of unburned fuel and reduces clean up.



Burn Crib

The 49" x 49" burn prop elevates the fuel source of Class "A" fires approximately 6" above the floor. Easily bolts together and consists of 12-gauge galvanized materials. Provides a convenient means of protecting concrete floors from premature spalling and cracking.



Burn Room- Class A and B

12' x 12' room with two doors. Walls, ceiling, doors, and shutters are protected with the Westec® Insulation System. Floor protection supplied by others. Provides the ability to conduct live fire training. May be used as a second burn room to add flexibility to training scenarios.



Debris Catch Pan

42" W x 33" L x 5" H 16-gauge galvanized catch pan features weep holes for drainage, latches on each side for easy attachment and removal from the structure, and four handles for moving. Collects material left over from the fire fuel source for easy disposal as the room is cleaned and hosed out through an exterior burn room door.



Stove Simulator with Enclosed Overhead Burn Hood

The stove simulator assembly consists of ¼" thick prime painted angles and 12 gauge stainless steel panels, bolted together with ⅜" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 ½" x ⅜" bar grate is designed to hold materials 1'-4" above the floor surface. Prop dimensions are approx. 4'-5 ½" x 4'-5 ½" x 6'-7" tall, resembling a commercial grade stove. The overhead hood of this unit is 2'-11" x 4'-5 ½", and is enclosed by stainless steel panels. A sliding/removable stainless steel range top with large ventilation holes is provided. The range top helps to limit the number of pallets that can be placed in the unit by covering approx. half of the unit.



Stove Simulator with Overhead Burn Hood

The stove simulator assembly consists of ¼" thick prime painted angles and 12 gauge stainless steel panels, bolted together with ⅜" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 ½" x ⅜" bar grate is designed to hold class "A" materials 1'-4" above the floor surface. Dimensions are approximately 4'-5 ½" x 4'-5 ½" x 6'-7" tall, resembling a commercial grade stove.



Burn Props - Class B

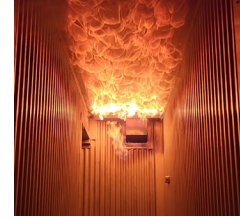
BBQ Grill on Inset Balcony

BBQ Grill Prop can be used in a single location like a regular or inset balcony, or it can be relocated using the high quality steel castors.



Hallway Rollover

The Hallway Rollover Simulator can be located in a hallway near a burn room to create dramatic effects, emphasizing flashover prevention training. Can be single direction or bi-directional depending on facility layout and training objectives.



Bed, Double

Fixed Queen Size Bed Prop fueled by LPG or NG. Optional ceiling rollover and pillow or night stand fire extension.



Stove, L-Shaped w/ Upper Cabinet Fire Extension

Fully integrated, independently controlled burners enable extension to one or more separate fires within the same training space allowing instructors to change the point of origin and enabling fire growth based on response time and agent application efficacy.



Bed, Twin; Interchangeable ST

Interchangeable Bed Prop Facade on a Fixed Burn Platform. Prop Facade may be changed for various scenarios. Optional ceiling rollover.



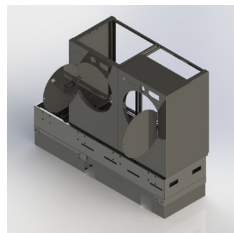
Stove, ST-PRO

The Stove Fire Simulator ST-PRO includes a main stove fire and overhead cabinet extension fire that are both independently controlled with the included wireless remote.



Clothes Dryer, Interchangeable, ST

Interchangeable Clothes Dryer Prop Facade on a Fixed Burn Platform. Prop Facade may be changed for various scenarios. Optional ceiling rollover.



SUV Fire Simulator ST

SUV prop consists of a mid-size sedan with functioning hood, passenger doors, and trunk lid. Includes high quality steel casters for portability.



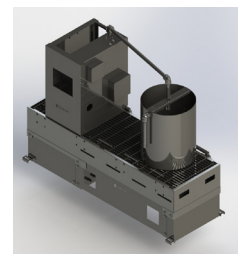
Garage Vehicle Simulator, ST

The Garage Vehicle prop can be designed for interior use with a full complement of NFPA 1402 safety devices, as well as outdoor use for added training value.



Water Heater, Interchangeable, ST

Interchangeable Water Heater Prop Facade on a Fixed Burn Platform. Prop Facade may be changed for various scenarios. Optional ceiling rollover.



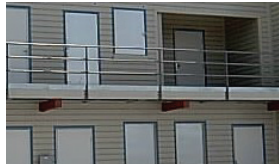
*All Class B Burn Props include PLC-computer controls, wireless controls, variable flame height, and NFPA-compliant safety systems. Fires are fueled by clean-burning LPG or Natural Gas. Fixed Prop designs provide larger burn areas and fire extension capabilities. Interchangeable designs provide the versatility to change mock-up designs between training sessions to vary scenarios.



Balconies & High Angle Rescue Props

Balcony, Cantilevered

Constructed of prime painted structural tube and hot-dipped galvanized bar grate deck and joists. Available in a variety of lengths and at nearly any deck level.



Balcony, Inset

An open sidewall area of a tower finished off to match the structure's exterior. Handrails and a door to the interior are included. Provides a recessed balcony for rappelling and laddering exercises. Gives similar live fire experiences encountered in motel balconies and condominiums.



Balcony, Open Corner

Provides the ability to perform rescue scenarios appropriate for motel and condominium fires. Can be added to any tower model that offers enough floor space to accommodate this option.



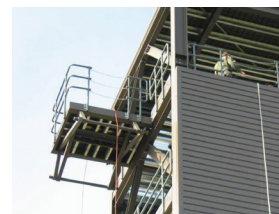
Balcony, Supported

10' high with door at second floor. Made from hot-dipped galvanized structural tube, bar grate, and welded steel tube rails. Gives specialized training in laddering, hose advancement, and rappelling.



Helicopter Skid Simulator

6' x 5' 11" 18-gauge roof deck simulates a helicopter floor and runner skids. Designed to withstand a deck live load of 100 PSF, the simulator features hot-dipped galvanized safety railings around the perimeter and chained gates on both sides above skids for easy entry. Provides realistic airborne insertion exercises without the expense of flight time and added danger of prop-wash.



Multi-Level Platform

Supported multi-level platform consists of prime painted structural steel, Schedule 40 pipe railing, bar grate deck, and galvanized joists. Each level is approximately 11' 8" W x 21' 6" L and includes a swing door at each upper level. The Multi-Level Platform is ideal for high-angle rescue training and free-fall training. In addition, the platform allows trainees to perform scenarios in a true-to-life open environment.



Open Story

One or more open stories can be provided on any of the training towers. The lowest open floor and the roof are guarded with a parapet wall, and any upper open stories are guarded with a hot-dipped galvanized railing system. Allows for a number of laddering, rappelling, and balcony rescue exercises.



Rappelling Anchor, Swivel

Can be added to any floor or roof deck or mounted overhead. Rated for an ultimate load of 10,000 lbs and working load of 1,000 lbs (exceeds OSHA load requirement 29 CFR 1926.502(d)(15) and meets NFPA 1402 standard 11.2.1).

The anchor housing is constructed of aircraft quality galvanized alloy and capable of a 360-degree swivel and 180-degree pivot. Each anchor is 200% proof-load tested for safety. Exercises can be used to simulate high-angle rescue, helicopter deployment, or raising a victim or equipment.



Rappelling Platform

Constructed of prime painted structural tube, hot-dipped galvanized joist sections and bar grate. Welded hot-dipped galvanized steel tube rails are optional. Features a 100 PSF deck live load, and can be ordered in a variety of lengths and at nearly any deck level. Provides a cantilevered platform for free fall-style rappelling.



Rappel Railing

The 42" high, prime-painted rappel railing system consists of three 3" diameter, Schedule 80 pipes which are installed horizontally 12" on center. The system allows the rope to run from the rappelling ring tie off on the deck, over the railing to the trainee. Used to aid trainees in rappelling exercises by raising the rope off the roof deck to help with the initial descent.



Confined Space Props

Confined Space Rescue Prop

The 36" diameter corrugated galvanized pipe extends from the first floor to the second floor. It features a 90-degree elbow for the ultimate confined space training. The 3' x 3' Bilco floor door at the top provides access into the prop and to the first floor.



An excellent way to simulate restricted environments including collapsed structures, teach trainees how to negotiate small openings, and test physiological capabilities.

Confined Space Vertical Rescue Prop, Removable

This removable prop consists of four movable wall panels and a Bilco floor door. The panels are configured to form a vertical shaft. At the top of the shaft is a 3' x 3' Bilco floor door that provides access into the prop from the floor above. The floor door is equipped with counter



balancing springs and is prime painted. Each of the four 3'7"W x full ceiling height wall panels are constructed of 20-gauge galvalume vertical and horizontal channel stiffeners, which attach to a 14-gauge galvalume hanging track. The whole system is then held in place with two compression clamps. The functionality of the movable panels allows the prop to be assembled for confined space training, and removed when training is needed in the entire room. The prop can be installed on any level of a two-story or taller fire training tower, as well as on multiple levels, for the ultimate confined space training.

Confined Space - Elevator Shaft

Offered in many heights and includes roll-up door access to the shaft at each floor. The roof of the tower can be equipped with a hatch for vertical work. Offers real-life training in confined space, while providing emergency access to the trainees along the vertical drop.



Moveable Wall Maze

3' 7"W x full ceiling height panels are constructed of 20-gauge galvanized vertical and horizontal channel stiffeners, which attach to a 14-gauge galvanized hanging track. The whole system is then held in place with two compression clamps to create a maze. The system can be easily slid, moved, and removed, without the use of tools, to create a variety of room configurations for an enhanced training experience. Patent US 6,889,473B2.



Moveable Half-Wall Maze

36"W x 45"H x 1-5/8" thick panels are constructed of 20-gauge galvanized vertical stiffeners and 16-gauge galvanized horizontal channels. The horizontal channels attach to additional wall panels to create a maze. The waist-height, self-standing system allows instructors to view and critique trainees while they maneuver the maze.



Moveable Wall Maze With Working Door

Constructed of the same durable materials as our Movable Wall System/Maze, this system features a 2' 6" W x 6' 10" H door. The 20-gauge galvanized steel door allows entry into the partitioned area for enhanced training. The included lock set allows instructors to secure the area before and after training.



"We have 3,500 members of the Los Angeles Fire Department and almost every one of them has trained at some point on The Commissioner. For 20 years the structure has held up great. The Los Angeles community has really benefitted from this investment."

Steve Hissong, Assistant Fire Chief
Los Angeles Fire Department



Doors

Explosive Breaching Door

The inward swinging Explosive Breaching Door can simulate up to a 4-lock set utilizing the locking system built into the door and the expendable breaching pins. These explosive breach pins are designed to simulate resistance to a maximum 400 grain breaching charge. This door is skinned with high density polyethylene to reduce the risk of fragmentation and corrosion from explosive exposure.

Provides actual tactical training scenarios (entry and clearing).



Heavy Duty Spring Closer for Burn Room Doors

Heavy duty spring action closer rated for swinging doors that exceed 200 pounds. The closer is fully adjustable for different force settings without the requirement of tools. The materials for this closure are both zinc plated steel and hot-dipped galvanized malleable iron. A roller guide is also included to ensure smooth operation.



Fire Training Door

The Fire Training Door utilizes expendable breaching pins. This door is an inward opening door designed to offer realistic forcible entry training via a Halligan tool or similar prying tool. The pry door can simulate up to a 4-lockset utilizing the built-in locking system with patented BTI breaching pins. This product incorporates a heavy duty structural tube frame and door leaf. Approved manufacturer of this system is BTI.



Pry Breaching Door

The Pry Door utilizes expendable breaching pins along with wood inserts. This door is an outward opening door designed to offer realistic and affordable pry breach training. The Pry Door can simulate up to a 3-lock set utilizing the built-in locking system and patented BTI breaching pins. In addition to breaching pins, the pry door utilizes a low-cost wood insert to accept the use of a Halligan tool or similar prying tool.



Forcible Entry Training System/Door

Heavy duty steel door equipped with a forcible training mechanism. The TruForce forcible training mechanism is made from ¼" thick steel, is easily reset, provides adjustment for the jamb/door leaf gap, and also allows for different force settings by simply changing the size of the customer supplied furring strip sizes. Provides training for breaching a locked door. Approved manufacturer of this forcible training mechanism is TroxFire Training Solutions.



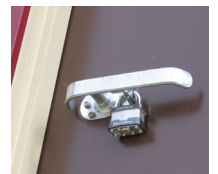
Ram-Pry Breaching Door

The Ram-Pry Door utilizes expendable breaching pins along with wood inserts. This door is a versatile inward and outward opening door designed to offer realistic ram and pry breach training. The pry system can be removed to convert to an inward opening ram door. Provides training for breaching a locked door.



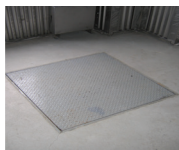
Operating Level Latch

Heavy-duty latch opens shutters and doors from either side. Latch case is constructed of ½" thick zinc plated steel with a black powder coated finish. Interior and exterior handles may be padlocked to secure tower when not in use. The latch's hasp secures lever in place.



Floor Door

The Bilco flush-mounted single-leaf door is all-steel constructed with a ¼" diamond plate cover, compression spring lifting mechanism, and a hold open arm. Hot dipped galvanize finish. Various sizes available, typically 3'0" x 3'0" in size. Provides confined space access to the floor below and supports full floor loads. Rated for 300 psf.



Roll-up Door

A continuously corrugated galvanized steel curtain with a siliconized polyester finish. The door slides on guides to a top drum through the means of a torsion spring. Aids in the simulation of commercial training exercises through a larger access door.



Ladders

Caged Ladder

Constructed of tubular rails and bar steps. Cage is made of flat steel strapping and the entire unit is hot-dipped galvanized. Caged ladder can be installed from the ground level to the roof.



Hook Bar for Ladder

The ladder hook bar consists of 10' 6" long Schedule 80 pipe with 12-gauge galvanized pipe angles for attachment. The bar is used on sloped roofs to ensure a safe attachment of the trainee's ladder hook when resting the ladder against the roof. This system is hot-dipped galvanized.



Interior Ladder

Constructed of hot-dipped galvanized tubular rails and bar steps. Includes railing system with a chain gate at the upper floor. Allows access to attic or roof areas and offers training in advancing equipment vertically in a confined area.



Ship's Ladder

Heavy-gauge steel stringers welded to bar grate treads. Includes a tubular railing on both sides. Hot-dipped galvanized. Offers more convenient access to roofs or other remote areas.



Stairs

Exterior Stairs (Fire Escape)

Manufactured from formed plate stringers and bar grate treads. The railing system is constructed from welded tube steel. All materials are hot-dipped galvanized. Walk doors are provided at each deck level. The exterior stairs or fire escape can be ordered to fit any level. Provides a second means of egress off a floor, aids in simultaneous scenarios, and gives the opportunity to train in advancement down stairs, simulating a basement fire.



Firefighter Challenge Staircase

Designed to the same specifications as the Scott Firefighter Combat Challenge®. This 41' H x 12' L stand alone structure is available in hot-dipped galvanized finish. Offers training in hose advancement and preparation for national competition, as well as a venue for physical conditioning.



“After 20 years of constant use, the Fire Chief is still in great shape. The quality of this training tower is one of my biggest reasons to purchase another Fire Facilities building.”

John Beebe, Assistant Fire Chief
Central Mat-Su (Alaska) Fire Department



Roof & Roof Props

Chop-Out (Curb)

Made of 12-gauge hot-dipped galvanized materials. The roof chop-out allows for an attachment of a 4' x 4' plywood piece for ventilation exercises. 4' x 8' chop-out size is also available.



Roof Hatch (3'0" x 2'6")

Bilco roof hatches are galvanized and prime painted and are equipped with counter balancing springs and shock absorbers. Appropriate size for a roof ladder. Various sizes also available.



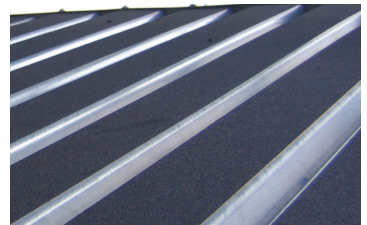
Chop-Out (Flush Mount)

Made of 12-gauge hot-dipped galvanized materials mounted flush with roof surface. The roof chop-out allows for an attachment of a 4' x 4' plywood piece for ventilation exercises. 4' x 8' chop-out size is also available.



Slip Resistant Roof Tape

4" wide slip-resistant tape can be applied to 18-gauge galvanized roof panels for added safety. The tape, with pressure-sensitive adhesive, features a mineral coated surface for light to heavy foot traffic. Recommended for smaller areas only, the tape provides a slip-resistant surface to practice safe training during roofing exercises.



Durabak™ Slip-Resistant Paint Roof System

18-gauge galvanized roof panels are covered with a three-coat paint system providing a safe, long-lasting roof system. The base coat is an etch primer, while the two topcoats are polyurethane paint with embedded rubber aggregate. Provides an abrasion, chemical, saltwater, UV, corrosion, and slip-resistant surface to practice safe training during roofing exercises. In addition, the system is waterproof to ensure tower protection at all times.



Regulation Systems

Annunciator Visual/Audio Alarm Panel

The 24 VDC annunciator panel allows for 16 switch inputs to light up separate alarm areas via LED lights. Audible and visual alarm components serve as a warning system to indicate trouble and alarm situations, and includes silence capabilities. These alarms are triggered to simulate fire/trouble for each floor or room via toggle switches. In order to simulate fire/trouble situations, a separate instructor box is used to switch on the annunciator panel's indicator lights/alarm, to allow the trainee to determine which area is in need of aid.



Smoke Distribution System

Consists of a piping system controlled by gate valves that will service up to 6 rooms, a circulation fan, 3" diameter schedule 40 PVC pipes and cabinet. Requires a smoke generator (sold separately). Directs the output of a smoke generator (not included) to any of the serviced floors.



Exhaust Fan

Available as: 208-volt, 3-phase, 2-speed or 240-volt, single-phase, single-speed units. Both models feature a 1 1/2 horsepower electric motor and a belt-driven, centrifugal wall-mounted fan. The maximum output of both units is 8,000 cubic feet per minute. Circulates heat and smoke, and evacuates towers quickly.



Riser System (Fire Department Connection)

Includes a brass siamese fire department connection on the building's exterior, a 4" diameter galvanized pipe with a 2 1/2" connection on the building's interior at each deck level, and a connection for sprinklers at each floor. Sprinkler system is not included.



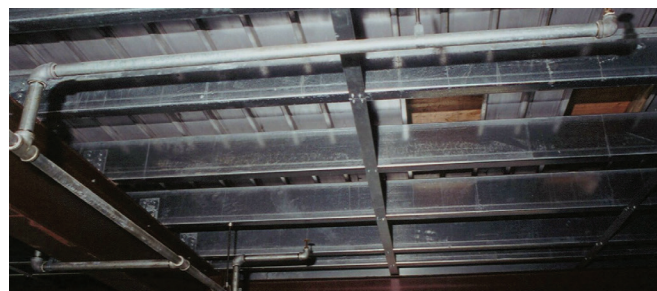
Smoke Generator

7,680 CFM output and a 100% duty cycle. Uses a safe, non-toxic fluid with a long hang time. Used with Smoke Distribution System. Produces a dense, white smoke.



Sprinkler System

Standard sprinkler configurations can be provided to any levels or rooms. Simulates experiences that are likely to be encountered on real-life calls.



Riser System (Storz FDC)

Includes a brass storz fire department connection on the building's exterior, with a connection on the building's interior at each deck level, and a connection for sprinklers at each floor. Sprinkler system is not included.



Mobile Accessories

AFG
Eligible

MBR Basement Trainer

A 4' x 8'-6" balcony is installed above the goose neck of a fire training trailer with a perimeter railing and a removable exterior ladder. A fixed interior stair is included from the balcony into the burn room.



The exterior ladder, perimeter railing and interior stair are hot-dipped galvanized.

MBR Foldable Roof Rail

Sturdy 42" high hot-dipped galvanized railing system folds flat for transportation, and is easily tipped up and locked in place. Chain gates provide safety during laddering, hose advancement, and rappelling exercises. Available on Mobile Trainee only.



Miscellaneous Options

Man Hole Cover

A 34" solid cast iron manhole cover with self sealing gasket is used to access the floor below. A surrounding cast iron square base/frame is provided along with a concealed pick point in the cover.



Mortarless Brick Facade

Mortarless brick siding can be attached to the outside of any Fire Facilities fire training tower. Available in nine colors.



Words From Our Customers



"I've seen and trained in a wide variety of other structures. The Commissioner has so much more potential. Overall, it was the quality and versatility of the Fire Facilities product that really impressed us."

Eric Dreiman, Battalion Chief
Indianapolis Fire Department, IN



"We specifically invested in this Fire Facilities structure because, after much research, it seemed to be the closest building to a structure that you will see on the streets. The smooth walls allow you to ladder anywhere on the building. We compared this to competitor's buildings where they are corrugated and need to have metal plates installed for a smooth surface for ladders to be placed, which is inconvenient. In addition, the building has a more residential look and fits into the landscape of our community better."

Will Dobron, Battalion Chief/Training Officer
Point Pleasant Fire Company # 1, PA



"Many generations of firefighters have trained on that tower. I was in my first year as a firefighter in Traverse City back then. Personally, I remember that initially training on the four-story Lieutenant tower was very different from training exercises in condemned houses. It was much more realistic, but because the environment was totally controllable, it allowed the students to focus more on our training objectives."

Jim Tuller, Fire Chief
Grand Traverse Metro Fire Department, MI



"At least 500 firefighters train at our academy each year. There are approximately 250 firefighters in our township who train at the academy regularly on classes for everything from beginner through advanced. Then you have outside companies using the facility. Other fire companies, EMS, police departments and outside agencies are all welcome to train here based on scheduling."

Michael Cocco, Chief Fire Instructor
Toms River Fire Training Center, NJ



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