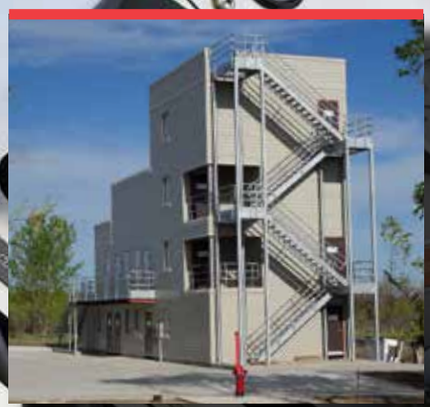
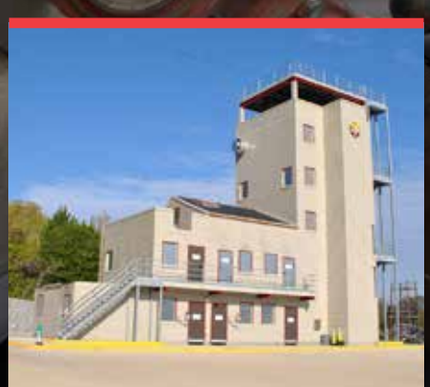




STEEL FIRE TRAINING TOWERS

FIRE FACILITIES
STEEL FIRE TRAINING TOWERS®

Proudly Made in the U.S.A.

Your Job Is Saving Lives And Protecting Property. Our Job Is Helping Prepare for Danger Safely.

Firefighters have one of the most important jobs in the world. Nothing prepares firefighters for actual fire fighting action better than training in a Fire Facilities fire training tower. Our towers and burn rooms are designed for safe, hands-on, live fire training. No one works with you to design and build a training environment customized to your needs like the team at Fire Facilities will.

We Make It Real

Training your department under live fire conditions simulated in our fire training towers better prepares them to protect lives and property. With models ranging from mobile to high-rise, our fire training towers provide realistic training for a variety of exercises including:

- Hose advancement
- Fire attack
- Ventilation
- Search and rescue
- Laddering and rappelling
- Roof penetration
- Confined space exercises
- High-angle rescue operations
- Other specialized training simulations such as helicopter deployment

All towers are equipped with:

- Live fire burn room lined with the Westec® Insulation System
- Scout Temperature Monitoring System
- Roof chop-out curb
- Interior stairs and doors
- Window openings with galvanized steel shutters
- Architecturally pleasing metal siding

Available options include:

- Multiple burn rooms/areas
- Balconies and exterior stairs
- Caged ladders and elevator shafts
- Siamese fire department connections
- Propane and sprinkler systems
- Swivel rappel anchors
- Chop-outs, hatches, stairs, ladders
- Smoke distribution system
- Specialized props, platforms, and rigging
- Movable/slidable partition panels
- Mortarless brick facade

We will customize any of our standard models to suit your specific training needs. Our in-house engineering department with resident professional engineers can also design a new tower based entirely on your ideas. Either way, we can create a fire training tower to prepare your firefighters for the unique challenges of your community.

We Make It Safe

The safety of your firefighters is our number one concern. We understand the hazards of live fire training. That's why we assure the highest standards of personal safety, in accordance with IBC/NFPA 1402 standards, are designed into every fire training tower we build, including features like:

- Structural loading and steel gauges which exceed commercial standards
- Flat exterior wall panels designed to make laddering and rappelling safe and realistic
- Beveled roof and window trim
- Flat roof, floor, and deck surfaces
- Bar grate on stairs and platforms for sure footing
- 42" high windowsills to prevent accidental falls
- Adequate burn room dimensions for realism and safety
- Temperature monitors assure proper heat control in burn areas

Fire Facilities' steel fire training towers allow you to experience realistic fire training simulations without risking the safety of your department.

We Make It Expandable

Your training needs may change over time. Your Fire Facilities fire training structure can be modified and/or expanded to meet these needs. The structure of our buildings accommodates future additions more readily than concrete structures or other steel building systems.

We Make It Here

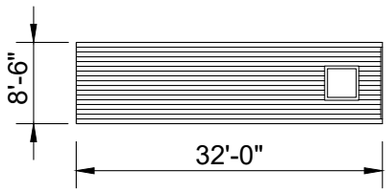
We take pride in designing and manufacturing our products in the United States, with domestically sourced materials. Your purchase supports the domestic economy.

Our steel fire training towers are built to train hard, built to train right. To find out more, contact us at **800-929-3726** or visit our website at **www.firefacilities.com.**

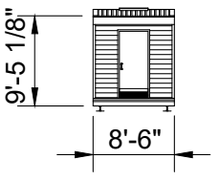
THE READY-SET-GO

The Ready-Set-Go is a pre-assembled portable fire training unit. The unit features a 24' long burn room and nearly 8' storage area. Completely factory assembled for delivery on a flatbed trailer, the Ready-Set-Go does not require a foundation, slab and/or specific site preparation or field erection. A built-in leveling system allows for placement on uneven surfaces.

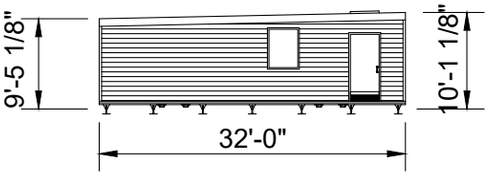
All doors /shutters are operational from both sides.



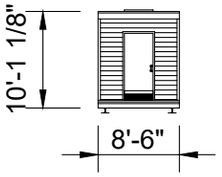
ROOF PLAN



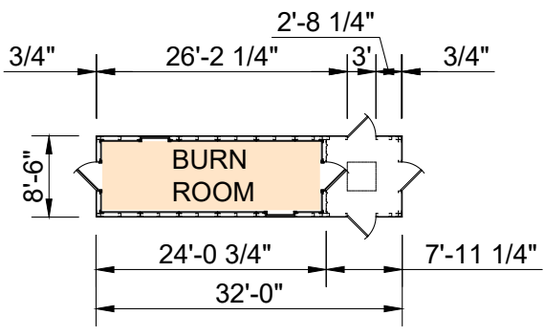
WEST END ELEVATION



SOUTH SIDE ELEVATION



EAST END ELEVATION



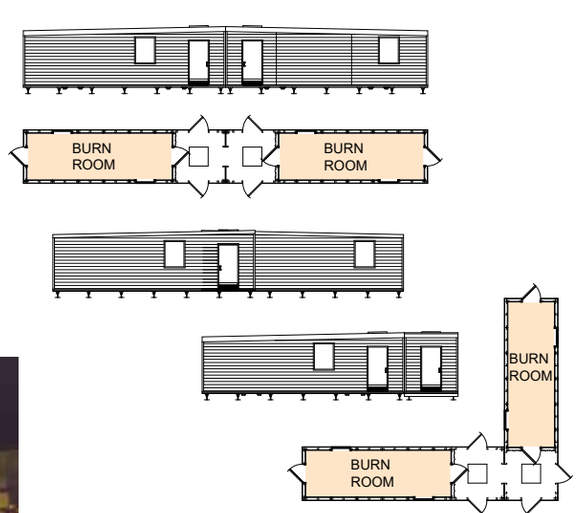
FLOOR PLAN

Unit:

Outside	32'L x 8'6"W x 10' 1-1/8"H
Burn Room	24'L x 8'6"W x 10' 1-1/8"H
Storage	7' 11"L x 8'6"W x 10' 1-1/8"H
Weight	16,000 lbs.
Roof	18-Gauge Steel, Live Load 100 PSF
Framing	16-Gauge Steel "C" Studs, 24" o.c.
Deck	11-Gauge Steel Tread Plate, Live Load 100 PSF
Exterior	18-Gauge Steel, Painted
Hatch	3' x 3' Chop-Out Curb with Steel Cover
Doors	(5) 3' x 7'
Shutters	(2) 3' x 4'
Levelers	(14) Manual Adjustment, 9" Maximum Adjustment
Lift Pockets	(4) Tubular

Burn Room:

3 Head Sprinkler System with 1-1/2" Connection
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System



Multiple Ready-Set-Go units may be joined to create several different configurations for maximum training experience.

Decherd, Tennessee

Brockport, New York

THE MOBILE TRAINEE

The Mobile Trainee is a portable fire training unit featuring a burn room. Complete with a trailer and leveling feet, the Mobile Trainee allows fire service instructors to conduct live Class A or B fire evolutions at multiple locations.

Wheaton, Missouri

All doors /shutters are operational from both sides.

Trailer:

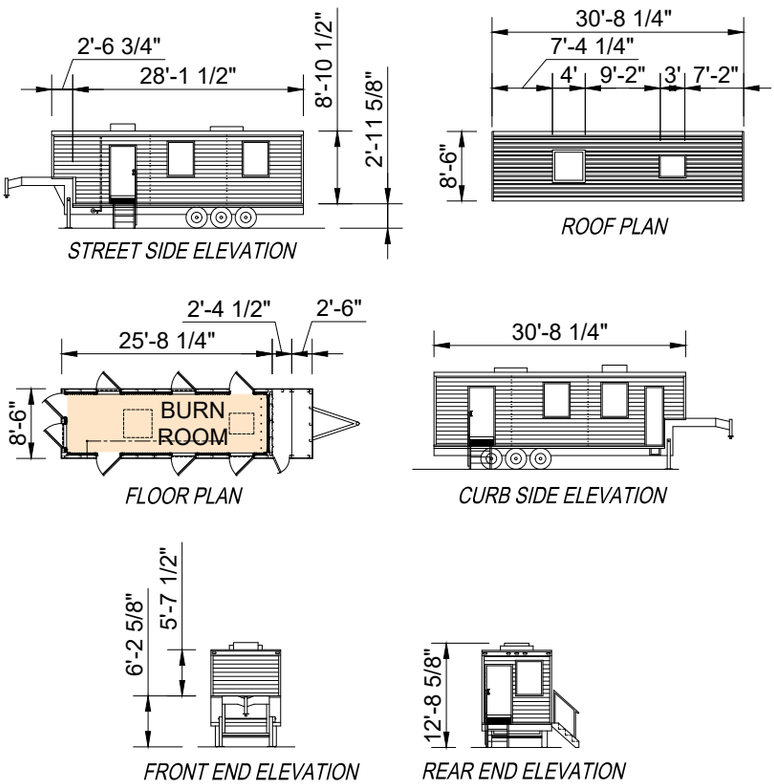
Gooseneck Cargo Van
GVWR: 21,000 lbs.
O.A.L.: 30' 8-1/4"
O.A.W.: 8' 6"
O.A.H.: 12' 8-5/8"
Floor Heights from Grade: 2' 11-5/8"
Axles: (3) 7,000 lbs., Dexter
Wheels: (6) 16" Rims
Tires: (6) 235/85R, 10 Ply
Hitch: 2" King Pin, Adjustable
Brakes: Electric, Each Axle
Levelers: (2) 2-Speed Double Leg, 50,000 lbs.
Structural Steel Framing: 24" on Center
Formed Trailer Cross Members: 12" on Center

Body:

16-Gauge Steel Wall & Ceiling Framing
Prepainted Steel Exterior, 18-Gauge
11-Gauge Steel Tread Floor Plate
18-Gauge Box Ribbed Steel Roof
(3) Entrance Doors with Removable Stairs
(5) 3' x 4' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(1) 2'6" x 3' Bilco Roof Hatch
Front Storage Area with Cargo Door
Lights: Running, Parking, Turning and Brake

Burn Room:

25' 8-1/4"L x 8' 6"W x 8' 10-1/2"H
3-Head Sprinkler System with 1 ½" Connection
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System



Extended Length Mobile Trainers:

For greater training flexibility, extended size mobile burn room trainers are available up to 53'. Extended units can allow for larger burn rooms, basement fire simulation, additional storage, or they may provide the needed space to house the mechanical systems for available propane prop systems.

Wilmar, Minnesota

THE TRAINEE

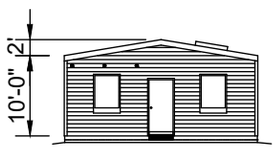
The Trainee is a single-story fire training building consisting of four rooms, one of which is a burn room. The Trainee's house-like appearance offers basic functionality for live fire training, namely its pitched roof for roof exercises.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

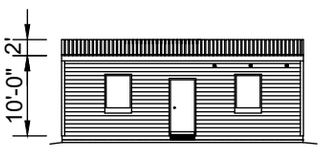
Building:

24'L x 30'W x 10'H
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(4) 3' x 7' Exterior Steel Doors
(4) 3' x 7' Interior Steel Doors
(8) 3' x 4' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(4) Interior Rooms
(1) Burn Room
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

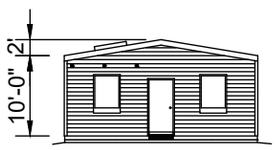
Decatur, Illinois



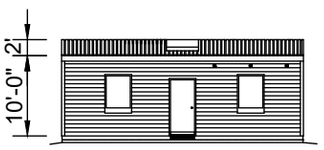
WEST END ELEVATION



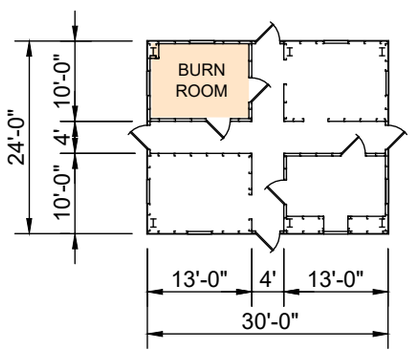
NORTH SIDE ELEVATION



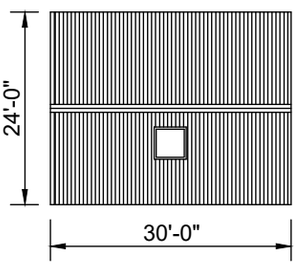
EAST END ELEVATION



SOUTH SIDE ELEVATION



RESIDENCE FLOOR PLAN



RESIDENCE ROOF PLAN

Cleveland, Mississippi

THE PROBIE

The Probie design features a first and second floor, as well as an attic. An interior fixed ladder provides access to the attic from the second floor. At a height of 25', the Probie supports rappelling and laddering. In addition, its sloped roof is ideal for various roof exercises.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

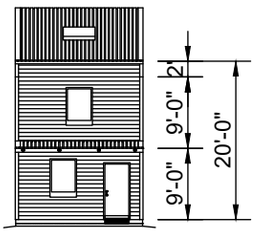
Tower:

22'L x 16'W x 25'H
16° Single Pitch Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Interior Stair to 2nd Floor
Interior Fixed Ladder, 2nd Floor to Attic
(1) 3' x 7' Exterior Steel Door
(1) 3' x 7' Interior Steel Door
(6) 3' x 4' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(1) Drywall Curb

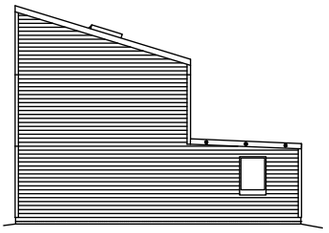
Burn Room Annex:

14'L x 16'W x 9'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

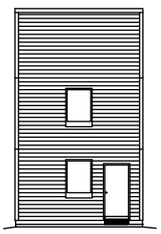
Central City, Kentucky



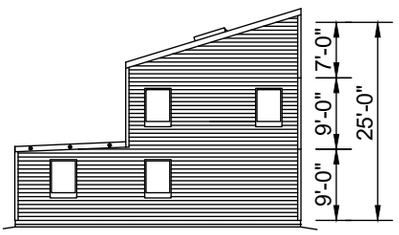
NORTH END ELEVATION



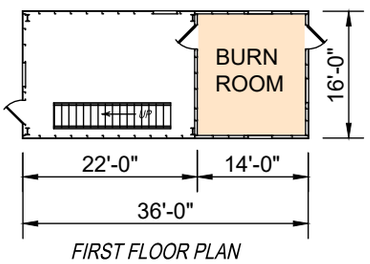
EAST SIDE ELEVATION



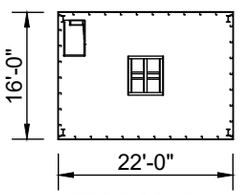
SOUTH END ELEVATION



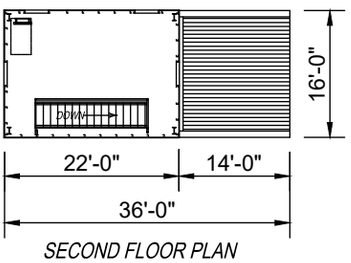
WEST SIDE ELEVATION



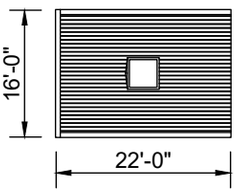
FIRST FLOOR PLAN



ATTIC FLOOR PLAN



SECOND FLOOR PLAN



TOWER ROOF PLAN

Nokomis, Florida

Heyworth, Illinois

THE BATTALION CHIEF

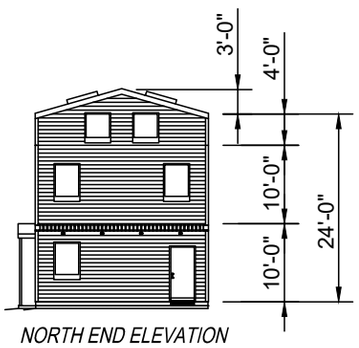
The Battalion Chief is a two-and-a-half-story training structure with four working deck levels. Its design resembles a residence with its double-door entrance, two floors with L-shaped stairs, usable attic, gabled shutters, and burn room annex (garage). The burn room offers two exits, one to the interior of the tower and the other to the exterior.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

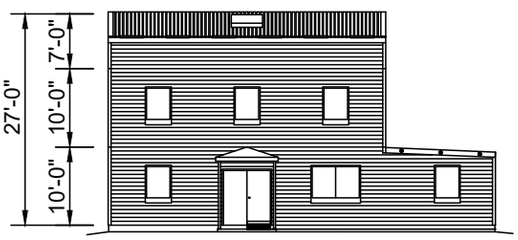
Thibodaux, Louisiana

Residential Section:

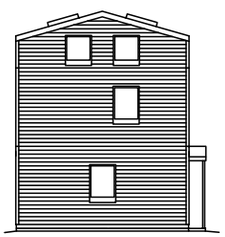
35' 4"L x 22'W x 27'H; Ridge: 24' Eave
16° Gable Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Interior "L" Shaped Stair to 2nd Floor
(1) 3' x 7' Exterior Steel Door
(1) 6' x 7' Exterior Double Leaf Steel Door
(1) 3' x 7' Interior Steel Door
(12) 3' x 4' Window Openings with Steel Shutters
(1) 6' x 4' Window Opening with Steel Shutters
(4) 3' x 4' Gable Steel Shutters
(2) 4' x 4' Roof Chop-Out Curbs
(2) Drywall Curbs



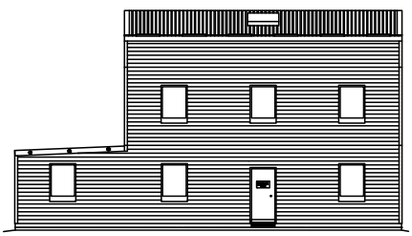
NORTH END ELEVATION



EAST SIDE ELEVATION



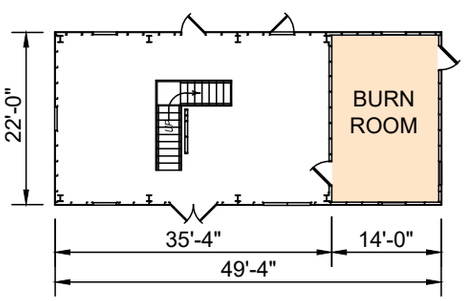
SOUTH END ELEVATION

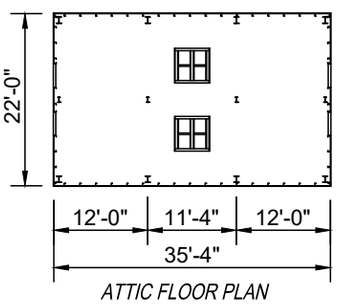


WEST SIDE ELEVATION

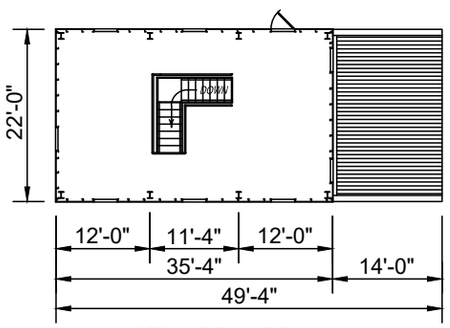
Burn Room Annex:

14'L x 22'W x 10'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

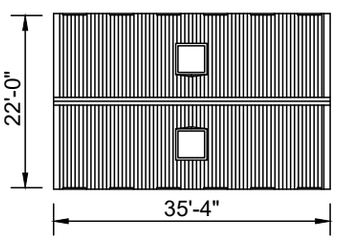




ATTIC FLOOR PLAN



SECOND FLOOR PLAN



RESIDENCE ROOF PLAN

LaCrosse, Wisconsin

THE HALL CRAWLER

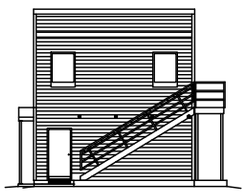
The Hall Crawler is a two-story tower with access to the roof. Exterior stairs on the second floor lead to a balcony accessing three interior rooms, providing an apartment building or hotel/motel-like rescue. The Hall Crawler's two burn rooms and one corner burn area allow fire departments maximum flexibility in the training structure.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

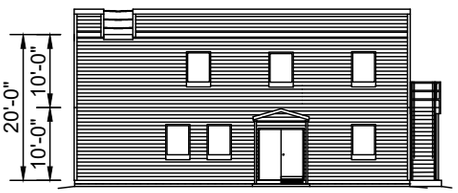
Odessa, Texas

Building:

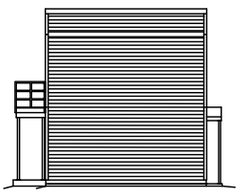
46'L x 22'W x 20'H
Flat Roof
Roof Live Load: 100 PSF
Deck Live Load: 100 PSF
Wind Load: Per Local Codes
Parapet Roof Guard with Chained Opening
Exterior 2nd Floor Cantilevered Balcony 39' x 4'
Exterior Stair to 2nd Floor
Interior "U" Shape Stair to 2nd Floor
Interior Fixed Ladder, 2nd Floor to Roof
(8) 3' x 7' Exterior Steel Doors
(1) 6' x 7' Exterior Steel Door
(13) 3' x 7' Interior Steel Doors
(14) 3' x 4' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(1) Roof Hatch
(4) 1st Floor Rooms
(1 Burn Room &
1 Corner Burn Area)
(5) 2nd Floor Rooms
(1 Burn Room)
(1) Westec® Insulation System
(1) Scout Temperature Monitoring



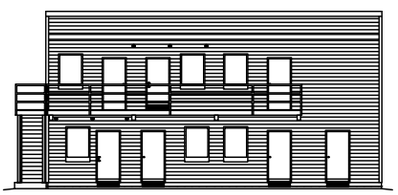
NORTH END ELEVATION



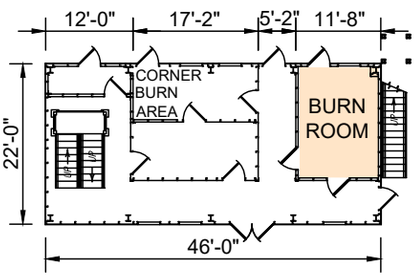
EAST SIDE ELEVATION



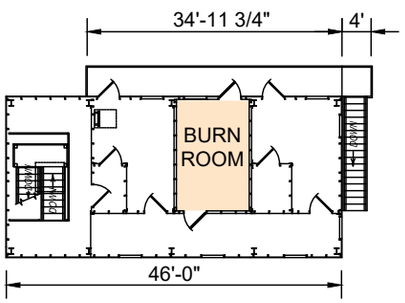
SOUTH END ELEVATION



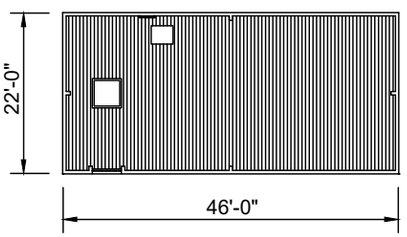
WEST SIDE ELEVATION



FIRST FLOOR PLAN



SECOND FLOOR PLAN



ROOF PLAN

St. Francisville, Louisiana

THE FIREFIGHTER

The Firefighter's design is similar to The Probie but offers an additional story for enhanced training. This three-and-a-half-story fire training tower with five working deck levels includes a burn room with two exits, interior stairs, fixed ladder, and a roof-mounted chop-out curb.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

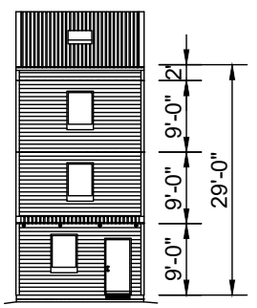
Tower:

22'L x 16'W x 34'H
16° Single Pitch Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Interior Decks: 2nd, 3rd, and Attic
Interior Stair to 3rd Floor
Interior Fixed Ladder, 3rd Floor to Attic
(1) 3' x 7' Exterior Steel Door
(1) 3' x 7' Interior Steel Door
(8) 3' x 4' Window Openings with Steel Shutters
(1) 2-1/2' x 3' Window Opening with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb

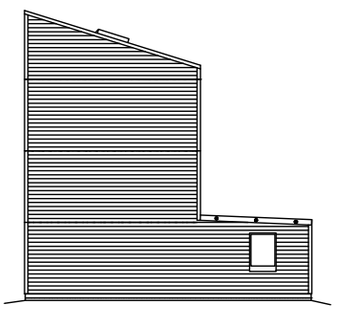
Burn Room Annex:

14'L x 16'W x 9'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

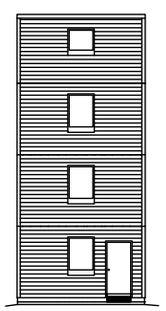
Clint, Texas



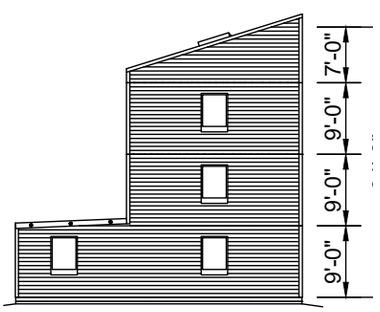
NORTH END ELEVATION



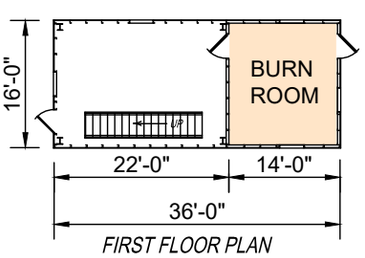
EAST SIDE ELEVATION



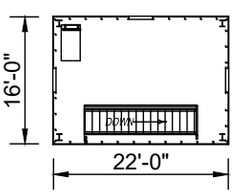
SOUTH END ELEVATION



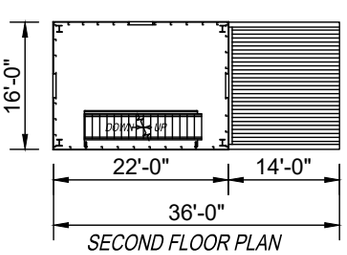
WEST SIDE ELEVATION



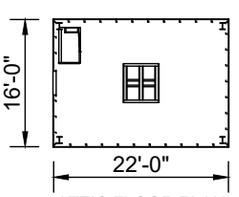
FIRST FLOOR PLAN



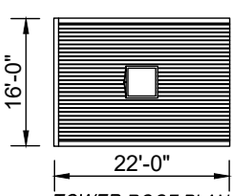
THIRD FLOOR PLAN



SECOND FLOOR PLAN



ATTIC FLOOR PLAN



TOWER ROOF PLAN

Fargo, North Dakota

Minot, North Dakota

THE LIEUTENANT

The Lieutenant is a 34' high tower with a burn room annex. Atop the four-story tower is a parapet roof guard with a chained opening for easy rappelling and roof exercises. The Lieutenant accommodates many tower accessories to transform this basic tower style to a facility tailored to a department's specific training needs.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

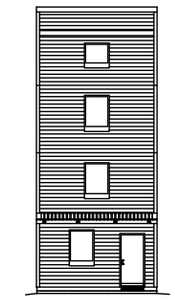
Nellis AFB, Nevada

Tower:

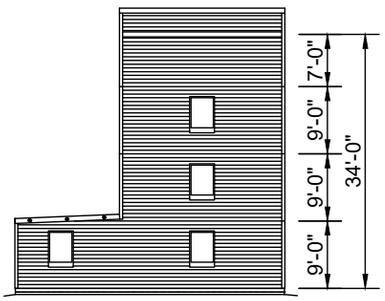
22'L x 16'W x 34'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Opening
Interior Stair to 3rd Floor
Interior Fixed Ladder, 3rd Floor to Attic
(1) 3' x 7' Exterior Steel Door
(1) 3' x 7' Interior Steel Door
(8) 3' x 4' Window Openings with Steel Shutters
(2) 2-1/2' x 3' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(1) Roof Hatch

Burn Room Annex:

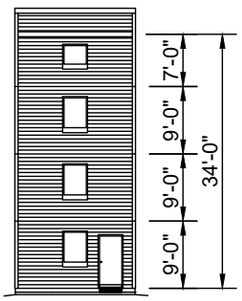
14'L x 16'W x 9'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System



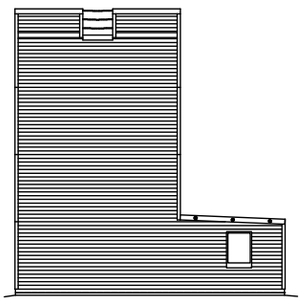
NORTH END ELEVATION



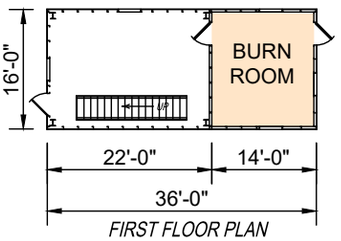
WEST SIDE ELEVATION



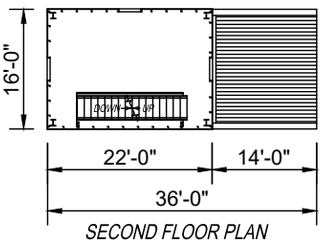
SOUTH END ELEVATION



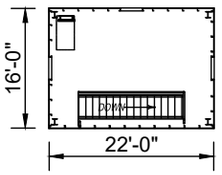
EAST SIDE ELEVATION



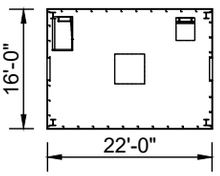
FIRST FLOOR PLAN



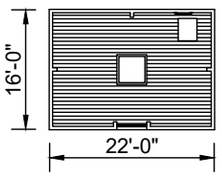
SECOND FLOOR PLAN



THIRD FLOOR PLAN



ATTIC/FOURTH FLOOR PLAN



TOWER ROOF PLAN

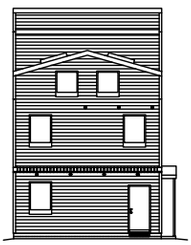
Palmetto, Florida

Whitefish, Montana

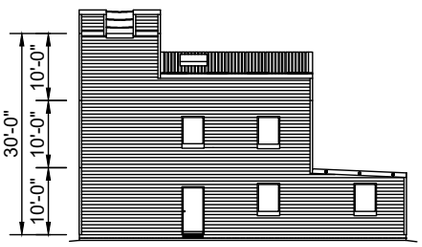
Cleveland, Tennessee

THE DEPUTY CHIEF

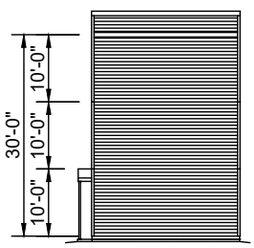
A three-story fire training tower, the Deputy Chief offers four working deck levels. Similar to the Battalion Chief, the Deputy Chief resembles a residential building. However, this facility features a 30' tower, which is ideal for rappelling and laddering. Two burn rooms are standard on this model, one on the first floor and the other on the second floor.



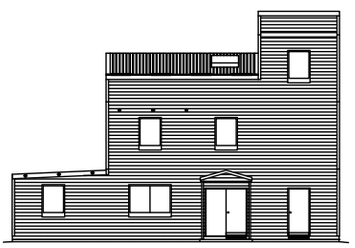
NORTH END ELEVATION



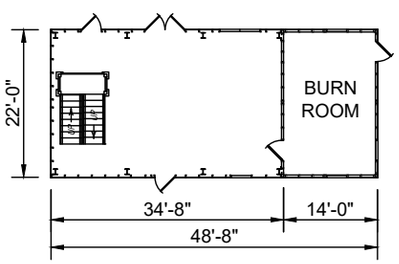
EAST SIDE ELEVATION



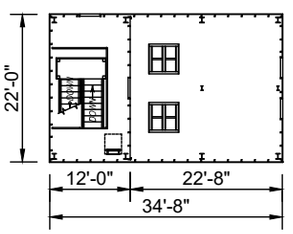
SOUTH END ELEVATION



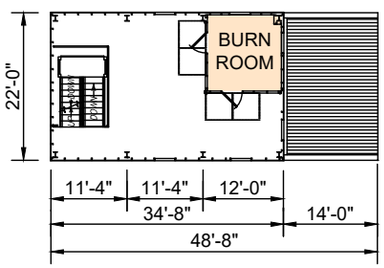
WEST SIDE ELEVATION



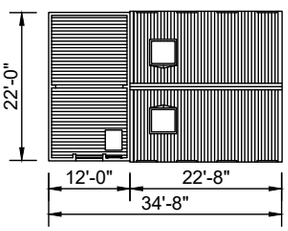
FIRST FLOOR PLAN



TOWER THIRD FLOOR & ATTIC PLAN



SECOND FLOOR PLAN



TOWER ROOF AND RESIDENCE ROOF PLAN

Bethel, New York

Keesler AFB, Mississippi

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

Tower:

12'L x 22'W x 30'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Opening
Interior "U" Stair to 3rd Floor
Interior Fixed Ladder, 3rd Floor to Roof
(1) 3' x 7' Exterior Steel Door
(1) 3' x 4' Window Opening with Steel Shutters
(1) Roof Hatch

Residential Section:

22' 8"L x 22'W x 27'H
16° Gable Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Roof Ladder Fender Brackets
(1) 3' x 7' Exterior Steel Door
(1) 6' x 7' Exterior Double Leaf Steel Door
(1) 3' x 7' Interior Steel Door
(7) 3' x 4' Window Openings with Steel Shutters
(1) 6' x 4' Window Opening with Steel Shutters
(2) 3' x 3' Hinged Gable Louvers
(2) 4' x 4' Roof Chop-Out Curbs
(2) Drywall Curbs
(1) 2nd Floor Burn Room
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

Burn Room Annex:

14'L x 22'W x 10'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: 25 Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

THE DIVISION CHIEF

The Division Chief is a 36' high tower incorporating features from both the Lieutenant and the Assistant Fire Chief. With a footprint spanning 16' wide x 36' long, the Division Chief features seven rooms for realistic training. The maze room, comprised of 12 movable, slidable, and lockable partitions, allows training officers to challenge trainees time after time by redesigning the room into any configuration. The tower's inset corner balcony offers a secure and realistic area to practice rappelling and laddering.

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

Tower:

22'L x 16'W x 36'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Opening
Interior Stair to 4th Floor
Interior Fixed Ladder, 4th Floor to Roof
(2) 3' x 7' Exterior Steel Doors
(1) 3' x 7' Interior Steel Door
(9) 3' x 4' Window Openings with Steel Shutters
(1) 2'6" x 3' Bilco Roof Hatch
(1) 2nd Floor 6' x 8' Inset Balcony

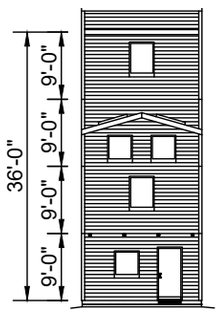
Residential Section:

14'L x 16'W x 25'H with 16° Gable Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Roof Ladder Fender Brackets
(1) 3' x 7' Exterior Steel Door
(3) 3' x 3' Window Openings with Steel Shutters
(1) 3' x 4' Window Openings with Steel Shutters
(2) 3' x 3' Hinged Gable Louvers
(2) 4' x 4' Roof Chop-Out Curbs
(1) 1st Floor Burn Room
(1) 2nd Floor Maze Room
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

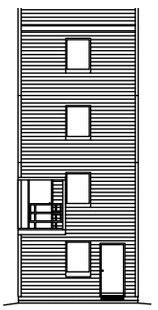
Clayton, North Carolina

Montrose, Colorado

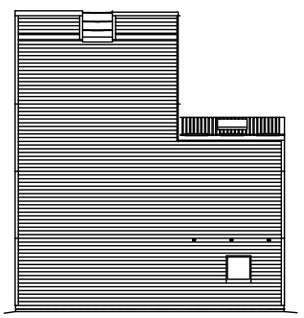
Vermillion, South Dakota



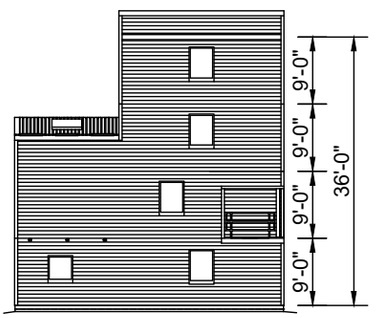
NORTH END ELEVATION



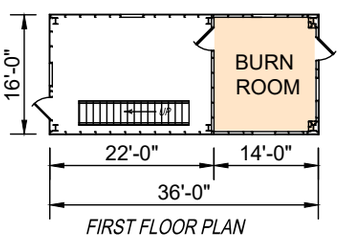
SOUTH END ELEVATION



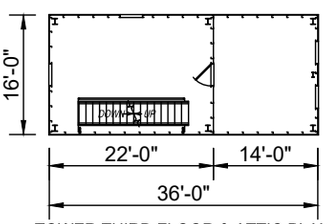
EAST SIDE ELEVATION



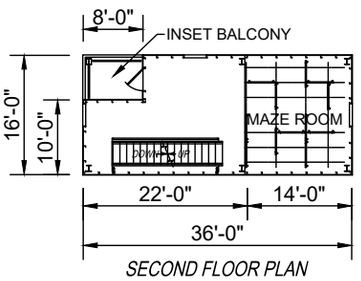
WEST SIDE ELEVATION



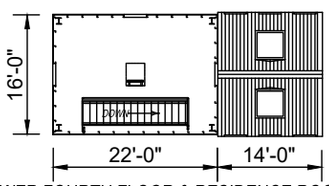
FIRST FLOOR PLAN



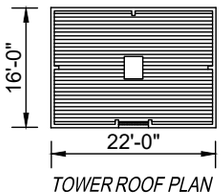
TOWER THIRD FLOOR & ATTIC PLAN



SECOND FLOOR PLAN



TOWER FOURTH FLOOR & RESIDENCE ROOF PLAN



TOWER ROOF PLAN

THE CAPTAIN

The Captain is a four-story tower with a large footprint for more training space. This tower spans 25'L x 22'W x 40'H and is ideal for a department who needs to accommodate many trainees. The burn room annex features two exits, while the tower offers interior stairs, a fixed ladder, and a roof-mounted chop-out curb.

All doors /shutters are operational from both sides.
Stairs and railings meet IBC/NFPA 1402 standards.

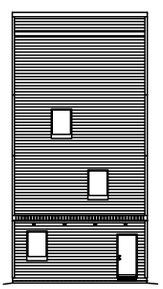
Slidell, Louisiana

Tower:

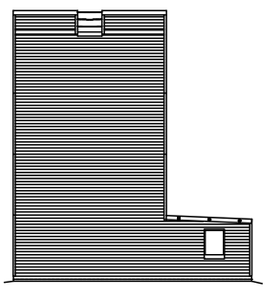
25'L x 22'W x 40'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Opening
Interior Stair to 4th Floor
Interior Fixed Ladder, 4th Floor to Roof
(3) 3' x 7' Exterior Steel Door
(1) 3' x 7' Interior Steel Door
(10) 3' x 4' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(1) Roof Hatch

Burn Room Annex:

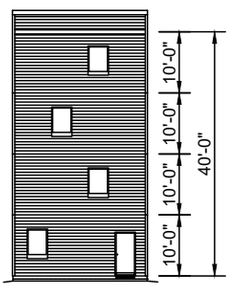
14'L x 22'W x 10'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System



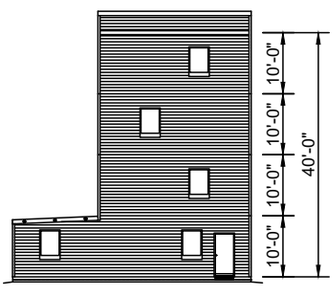
NORTH END ELEVATION



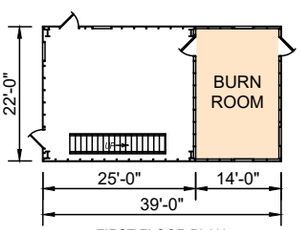
EAST SIDE WALL ELEVATION



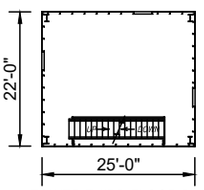
SOUTH END ELEVATION



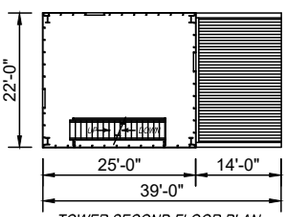
WEST SIDE WALL ELEVATION



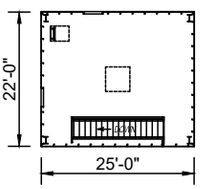
FIRST FLOOR PLAN



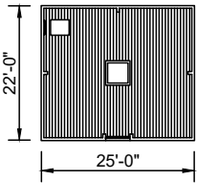
TOWER THIRD FLOOR PLAN



TOWER SECOND FLOOR PLAN



TOWER FOURTH FLOOR PLAN



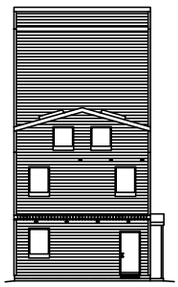
TOWER ROOF PLAN

Merced, California

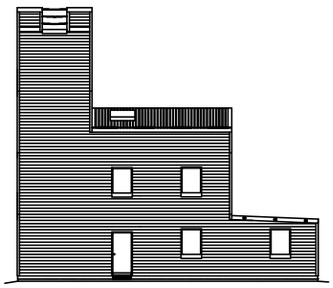
Monroe, North Carolina

THE ASSISTANT FIRE CHIEF

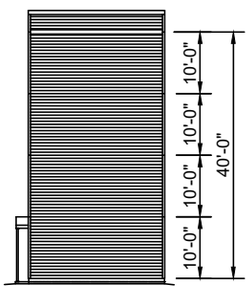
The Assistant Fire Chief features a tower, residential section, and a burn room annex. The residential section and annex each offer a burn room for multiple training scenarios. The four-story tower and residential section provide many opportunities for a variety of training exercises including laddering, rappelling, roof penetration, and high angle rescue operations.



NORTH END ELEVATION

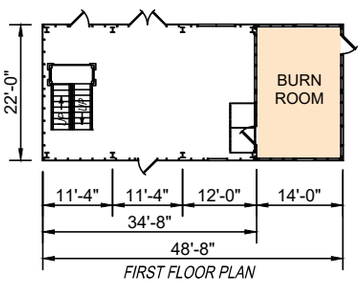


EAST SIDE ELEVATION

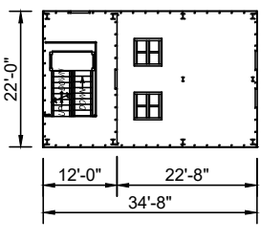


SOUTH END ELEVATION

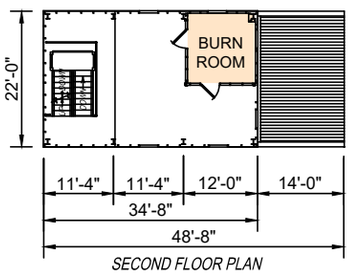
WEST SIDE ELEVATION



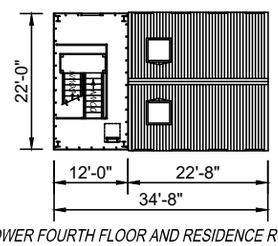
FIRST FLOOR PLAN



TOWER THIRD FLOOR & ATTIC PLAN

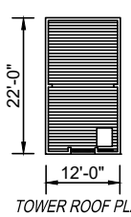


SECOND FLOOR PLAN



TOWER FOURTH FLOOR AND RESIDENCE ROOF PLAN

Fairfax, Virginia



TOWER ROOF PLAN

Victoria, Texas

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

Tower:

12'L x 22'W x 40'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof with Chained Opening
Interior "U" Stair to 4th Floor
Interior Fixed Ladder, 4th Floor to Roof
(1) 3' x 7' Exterior Steel Door
(2) 3' x 4' Window Openings with Steel Shutters
(1) Roof Hatch

Residential Section:

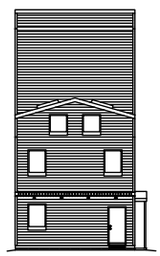
22' 8"L x 22'W x 27' 7 ¾"H
16° Gable Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Roof Ladder Fender Brackets
(1) 3' x 7' Exterior Steel Door
(1) 6' x 7' Exterior Double Leaf Steel Door
(3) 3' x 7' Interior Steel Doors
(7) 3' x 4' Window Openings with Steel Shutters
(1) 6' x 4' Window Openings with Steel Shutters
(2) 3' x 3' Hinged Gable Louvers
(2) 4' x 4' Roof Chop-Out Curbs
(2) Drywall Curbs
(1) 2nd Floor Burn Room
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

Burn Room Annex:

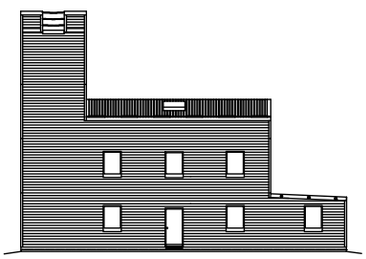
14'L x 22'W x 10'H
Roof: ½" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

THE FIRE CHIEF

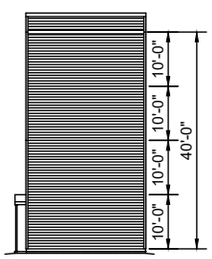
The Fire Chief's overall length is 60' and it stands 40' high. The tower's residential-like design offers a burn room on the first floor, interior stairs to the multiple floors, an interior fixed ladder, roof-mounted chop-out curbs, and parapet roof guard with chained opening. The Fire Chief allows for multiple training exercises including hose advancement, fire attack, search and rescue, rappelling, laddering, confined space, and high-angle rescue operations.



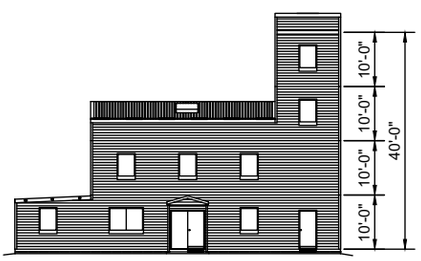
NORTH END ELEVATION



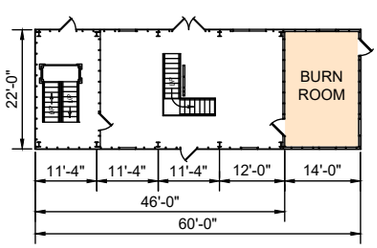
EAST SIDE ELEVATION



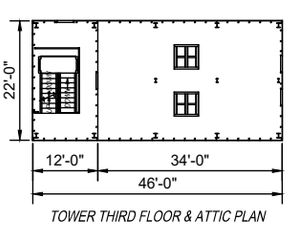
SOUTH END ELEVATION



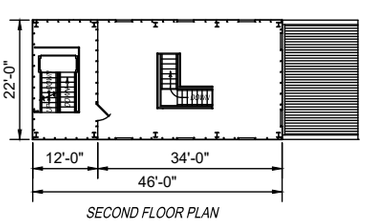
WEST SIDE ELEVATION



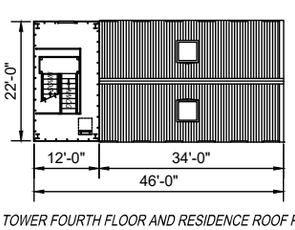
FIRST FLOOR PLAN



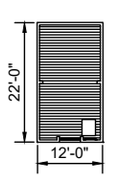
TOWER THIRD FLOOR & ATTIC PLAN



SECOND FLOOR PLAN



TOWER FOURTH FLOOR AND RESIDENCE ROOF PLAN



TOWER ROOF PLAN

Roscoe, Illinois

Kennewick, Washington

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

Tower:

12'L x 22'W x 40'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Opening
Interior "U" Shaped Stair to 4th Floor
Interior Fixed Ladder, 4th Floor to Roof
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Roof Hatch

Residential Section:

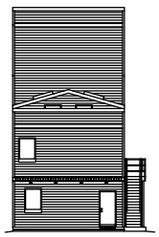
34'L x 22'W x 27'H
16° Gable Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Interior "L" Shaped Stair to 2nd Floor
(3) 3' x 7' Interior Steel Doors
(1) 3' x 7' Exterior Steel Door
(1) 6' x 7' Exterior Double Leaf Steel Door
(11) 3' x 4' Window Openings with Steel Shutters
(1) 6' x 4' Window Opening with Steel Shutters
(2) 3' x 3' Hinged Gable Louvers
(2) 4' x 4' Roof Chop-Out Curbs
(2) Drywall Curbs

Burn Room Annex:

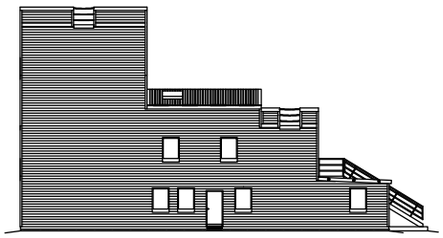
14'L x 22'W x 10'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(3) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

THE COMMISSIONER

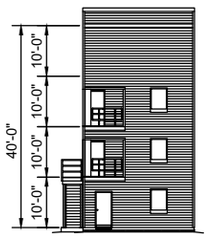
The Commissioner is the largest standard Fire Facilities fire training tower model. The tower spans 73' long and stands 40' high. The Commissioner offers three sections, a four-story tower, a two-story residential section, and a one-story burn room annex. The residential section features interior and exterior stairs, two roof chop-out curbs, hallways, a burn room, and a burn area in the attic. The tower section offers interior decks and stairs, ship's ladder, parapet roof guard with chained opening, and a roof chop-out curb. For the ultimate in fire training, the Commissioner also features a cantilevered balcony, inset balcony, and fire escape.



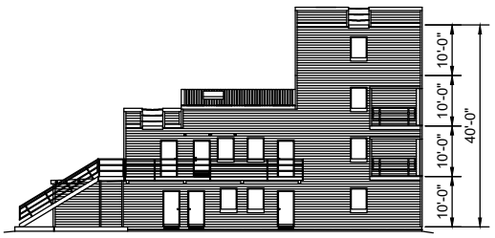
NORTH END ELEVATION



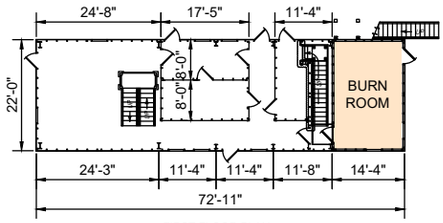
EAST SIDE ELEVATION



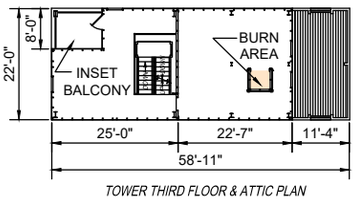
SOUTH END ELEVATION



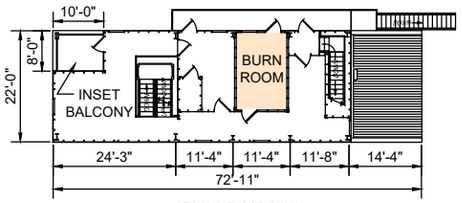
WEST SIDE ELEVATION



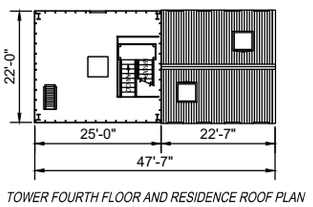
FIRST FLOOR PLAN



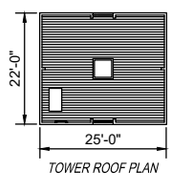
TOWER THIRD FLOOR & ATTIC PLAN



SECOND FLOOR PLAN



TOWER FOURTH FLOOR AND RESIDENCE ROOF PLAN



TOWER ROOF PLAN

Nellis AFB, Las Vegas, Nevada

All doors /shutters are operational from both sides. Stairs and railings meet IBC/NFPA 1402 standards.

Tower:

25'L x 22'W x 40'H
Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Opening
Interior "U" Shaped Stairs to 2nd, 3rd, & 4th Floors
Interior Fixed Ladder, 4th Floor to Roof Hatch
(3) 3' x 7' Exterior Steel Doors
(7) 3' x 4' Window Openings with Steel Shutters
(1) 4' x 4' Roof Chop-Out Curb
(1) 2'6" x 4'6" Bilco Roof Hatch

Residential Section:

33'11"L x 22'W x 27'3"H
16˚ Gable Roof and Flat Roof
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
Deck Live Load: 100 PSF
Parapet Roof Guard with Chained Openings
Interior "L" Shaped Stairs to 2nd Floor
Roof Ladder Fender Brackets
Exterior 2nd Floor Cantilevered Balcony 39'x 4'
Exterior Stairs to 2nd Floor
(7) 3' x 7' Exterior Steel Doors
(11) 3' x 7' Interior Steel Doors
(12) 3' x 4' Window Openings with Steel Shutters
(2) 3' x 3' Hinged Gable Louvers
(2) 4' x 4' Roof Chop-Out Curbs
(1) 2nd Floor Burn Room
(1) Burn Area in Attic
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

Burn Room Annex:

14'L x 22'W x 10'H
Roof: 1/2" in 12" Single Pitch
Roof Live Load: 100 PSF
Wind Load: Per Local Codes
(1) 3' x 7' Exterior Steel Door
(1) 3' x 7' Interior Steel Door
(2) 3' x 4' Window Openings with Steel Shutters
(1) Westec® Insulation System
(1) Scout Temperature Monitoring System

CUSTOM BUILDINGS

At Fire Facilities, we know that every community has its unique character, and with that, unique challenges to the local fire department. That's why every one of our standard model training structures can be customized to meet your specific needs. In fact, it is quite rare that a client orders a building without making any modifications to the standard design.

In addition to our "Towers Options" list, our engineering team is capable of developing the facility to prepare your staff for just about any situation or building type that you may encounter.

- Additional stories
- Enlarged floor plans
- Collapsed building training
- Seismic reinforcements
- Features for MOUT (Military Operations in Urban Terrain) training
- Open Stories

This class "B" prop shown simulates a kitchen fire, and includes a flashover simulator.

Class "B" Burn Props

Propane fueled props are ideal for training facilities located in areas with a low tolerance for smoke, or in high volume training facilities. Based on decades of experience, we can help you to select props from a third party. We will work with your preferred prop supplier to ensure an installation and attachment method compatible with our steel liner system.

Accessory Buildings

Fire Facilities can also provide accessory structures for your training grounds. Storage buildings and shade canopies can all be purchased directly from Fire Facilities in matching colors, to add complete functionality to your training grounds.

McLennan Community College in Waco, Texas, is the home of this custom designed fire training tower. Based on the "Commissioner" design, the structure boasts a six-story tower section with working rooftop. The entire building is clad in brick facade with contrasting white trim. Inside, the facility features multiple class B fueled burn areas, including the annex on the first level.

Right: The training campus in South San Francisco features a customized structure with a six-story tower, multiple roof lines, and a burn room annex with integrated control room. The control room with windows allows instructors to control outdoor training props as well.

Below: Travis County Emergency Services District #3 is a five-story structure with an open story and a realistic hotel layout.

Below: The Town of Onondaga's Fire Training Center features an extra wide footprint with an exceptionally realistic residential interior layout.

Above: Camp Williams, Wisconsin, features an extra wide footprint.
Left: Fairchild Air Force Base structure is six stories and features three open sides.

WESTEC® INSULATION SYSTEM

Westec® is the industry's most advanced system in burn room insulation. It is a unique 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 the extreme temperatures during training. The innovative Westec® Insulation System provides the highest level of protection – inside and out.

Westec®'s rugged stainless steel panel offers a solid shield of protection. These rigid ribbed panels resist breaking, spalling and cracking. This durability will significantly reduce maintenance costs and downtime.

The stainless steel panel is attached to a series of insulated channels. Under intense burn room heat, these specially designed channels flex, allowing panels to expand freely, without warping, to maintain system integrity.

Inside the system is a specially installed Westec® blanket which provides a complete thermal break. It won't burn, singe, or breakdown even under the hottest conditions (blanket is stable up to 2300°F*). More importantly, it provides the highest level of thermal protection for your tower.

The Westec® burn room insulation is the best system available for protecting your training structure. It reduces burn room maintenance costs, extends the life of the tower, and protects your investment. Westec® is available in all new Fire Facilities fire training towers, as well as a retrofit for existing buildings, whether steel, concrete, or masonry.

Regardless of what type of tower you own, you can protect it better with the Westec® Insulation System from Fire Facilities.

Westec® Insulation Features

The Westec® Insulation System is the first burn room insulation system designed to provide the best performance for all burn room conditions.

- **High temperatures** – The Westec® Insulation Blanket withstands 2300°F* and the complete system withstands 1850°F* continuous temperatures.
- **Thermal performance** – Insulation properties of the Westec® blanket are the highest and most stable in the industry. The system's unique thermal break prevents heat from transferring through the system by conduction. See Cold Face Temperature Comparison.
- **Direct flame impingement** – The Westec® blanket is covered with stainless steel panels that can be exposed to direct flames without worry of damage.
- **High-pressure hose stream** – Westec®'s stainless steel panels provide the most durable surface in the industry. They will withstand the direct pressure of a hose stream with no effect.
- **Rust and corrosion resistance** – Stainless steel fasteners will not rust or corrode.
- **Freezing cycles** – since none of the systems components will absorb water, freezing is not a concern.
- **Thermal expansion** – Westec® incorporates a unique system of structural supports, stainless steel panels, and flexible elements that allow the system to move with the heat rather than resist it. Therefore, the stainless steel panels will not warp from exposure to high temperatures.
- **Resistance to impact** – The stainless steel panels will withstand impacts far beyond those encountered in training scenarios.
- **Warranted** – Westec® is the first insulation system supported by a 15-year warranty.

Westec® Insulation System Components

The Westec® Insulation System consists of six basic components that are each designed to provide the critical elements of performance within a live fire.

- **Framing system** – Insulated steel channels are designed to resist all imposed loads while allowing the system to flex under thermal expansion.
- **Westec® Insulation Blanket** – A 2" thick blanket that is stable at temperatures up to 2300°F*. The blanket is unaffected by flame, heat, cold or chemicals.
- **Stainless steel panels** – Type 304 stainless steel is formed into rigid panels and provides unparalleled protection against impact and water damage. The formed panels allow for thermal expansion across the width of the panels, which are installed to expand freely along their lengths without buckling.
- **Thermal break** – There are no screw penetrations between the framing system and the stainless steel panels, providing a complete thermal break. This barrier prevents direct transfer of heat through the framing system to the building structure.
- **Flexing and sliding connections** – The connecting elements from the framing system to the stainless steel panels are made from Type 304 stainless steel, and are individually designed to allow the walls and ceiling to expand freely across the length and width of the room.
- **Corner guards** – All outside corners, doors, and window openings are continuously protected with heavy Type 304 stainless steel corner guard angles.

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

Cold Face Temperature Comparison

Best Performance ←

Burn Room Hot Face	FFI Westec® Insulation System	2″ Thick Concrete Casting Over 1″ Thick Calcium Silicate Board	FFI Westemp® 1″ Thick Calcium Silicate Board "I"	1″ Thick Calcium Silicate Board "P"	1″ Thick Calcium Silicate Board "A"	1″ Thick Fiber Cement Board
1800°	376°	335°	434°	485°	596°	652°
1600°	325°	311°	398°	453°	555°	609°
1400°	276°	287°	362°	419°	511°	561°
1200°	232°	263°	327°	381°	464°	510°
1000°	193°	237°	292°	340°	413°	454°
800°	159°	210°	255°	296°	362°	391°
600°	131°	180°	217°	246°	302°	321°
400°	108°	148°	173°	191°	232°	241°

- Temperatures are shown in degrees Fahrenheit
- Temperatures shown are based on 80°F ambient still air and have been determined in accordance with ASTM C680-89
- For firefighter safety FFI does not recommend training at temperatures above 1200°F

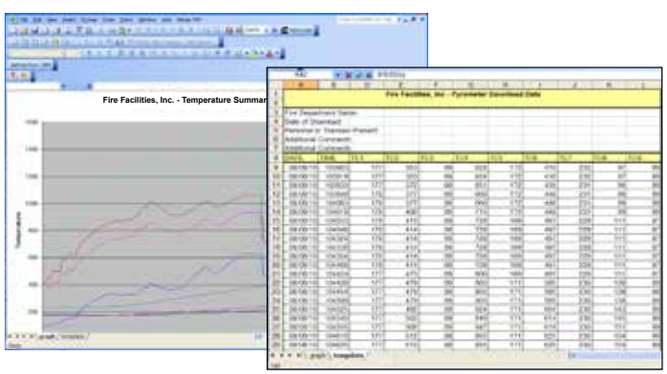
Please note: Temperatures are shown directly at the back of the specified insulating system. Temperatures shown do not reflect the higher cold face temperatures that would occur directly at the insulating system's fastening device. Westec® does not have fasteners that penetrate directly though the thermal barrier; therefore, no additional hot points are created. These hot points could be detrimental to your structure.

TOWER FEATURES

SCOUT PYROMETER

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 for up to 270 feet away
- Touch-sensitive controls - 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.)



TOWER OPTIONS

FIRE WATCHMAN PYROMETER

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 the 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

PYROMETER OPTIONS

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 up to three separate mobile devices 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.)

Alarms are compatible with Scout and Fire Watchman Pyrometers

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 are not included.) Ensures safe live fire training by providing a hands-free warning when pyrometer's trip limits have been surpassed.

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.

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 Cloud /Cellular Service*
Thermocouple Capacity	9	16

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

TOWER OPTIONS

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.

Balcony, Cantilevered

Constructed of prime painted structural tube and hot-dipped galvanized bar grate deck and joists. Can be ordered 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.

Bed Simulator - Class A Burn Prop

The bed simulator assembly consists of 1/4" thick prime painted angles and 12-gauge stainless steel panels, bolted together with 3/8" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 1/2" x 3/16" bar grate is designed to hold class "A" materials 1'-4" above the floor surface. Dimensions are approximately 4' 5 1/2" x 4' 5 1/2" x 4' 4" tall, resembling a bed with headboard. A sliding/removable stainless steel lid with large ventilation holes helps to limit the number of pallets trainees can place in the unit by covering approximately half of the entire unit.

Bunk Bed Simulator With Enclosed Top Bunk - Class A Burn Prop

The bunk bed simulator assembly consists of 1/4" thick prime painted angles and 12-gauge stainless steel panels bolted together with 3/8" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 1/2" x 3/16" bar grate is designed to hold class "A" materials 1'-4" above the floor surface. Dimensions are approximately 4' 5 1/2" x 4' 5 1/2" x 6' 7" tall. The overhead bunk of this unit is also 4' 5 1/2" x 4' 5 1/2" and is enclosed by stainless steel panels.

Bunk Bed Simulator With Burnable Top Bunk - Class A Burn Prop

The bunk bed simulator assembly consists of 1/4" thick prime painted angles and 12-gauge stainless steel panels bolted together with 3/8" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 1/2" x 3/16" bar grate is designed to hold class "A" materials 1'-4" above the floor surface. Dimensions for this prop are approximately 4' 5 1/2" x 4' 5 1/2" x 6'-7" tall. The overhead bar grate bunk of this unit is also 4' 5 1/2" x 4' 5 1/2" and provides another area to hold class "A" materials for a secondary fire.

Burn Bin - Class A Movable Burn Prop

30"W x 50"L x 36"H, constructed of 1/8" 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 Area, Attic

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 training scenarios.

Burn Area, Corner

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. Appropriate for trash can style fires.

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

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.

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.

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.

Confined Space Vertical Rescue Prop, Removable

This removable prop consists of four movable wall panels and a Milcor floor door. The panels are configured to form a vertical shaft. At the top of the shaft is a 3' x 3' Milcor 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 in confined space training.

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 (i.e. nails, unburned wood scraps, etc.) for easy disposal as the room is cleaned and hosed out through an exterior burn room door.

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 in confined space training. The 3' x 3' Milcor 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.

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.

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.

Elevator Shaft (Confined Space)

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.

TOWER OPTIONS

Exhaust Fan

Available as: 208-volt, 3-phase, 2-speed or 240-volt, single-phase, single-speed units. Both models feature a 1½ 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.

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.

Facade, Mortarless Brick

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

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.

Floor Door

The 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 galvanized 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.

Forcible Entry Door

Heavy-duty steel door equipped with a breakaway lock mechanism. Lock system is easily reset and force requirements are adjustable. Provides training for breaching a locked door. Approved manufacturer of lock mechanism is Power Jamb.

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.

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.

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.

Ladder Hook Bar

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.

Ladder, Caged

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. Photo at right also shows a supported balcony.

Ladder, Interior

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.

Ladder, Ship's

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.

Manhole Frame/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.

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.

Movable Half-Wall System/Maze

36"W x 45"H x 1-5/8" thick panels are constructed of 20-gauge galvalume vertical stiffeners and 16-gauge galvalume 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.

Movable Wall System/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 galvalume 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.

Movable Wall System/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.

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 is guarded with a parapet wall, and the roof, as well as any upper open stories, are guarded with a hot-dipped galvanized railing system. Allows for a number of laddering, rappelling, and balcony rescue exercises.

Operating Lever Latch

Heavy-duty latch opens shutters and doors from either side. Latch case is constructed of 1/8" 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.

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.

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. To ensure the safety of trainees, each anchor is 200% proof-load tested. Rappelling 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 steel tube rails, also hot-dipped galvanized, 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.

TOWER OPTIONS

Riser System (Fire Department Connection)

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

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.

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.

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.

Smoke Generator

7,000 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.

Stove Simulator With Enclosed Overhead Hood - Class A Burn Prop

The stove simulator assembly consists of 1/4" thick prime painted angles and 12 gauge stainless steel panels, bolted together with 3/8" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 1/2" x 3/16" bar grate is designed to hold class "A" materials 1'-4" above the floor surface. Dimensions for this prop are approximately 4'-5 1/2" x 4'-5 1/2" x 6'-7" tall, resembling a commercial grade stove. The overhead hood of this unit is 2'-11" x 4'-5 1/2", 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 trainees can place in the unit by covering approximately half of the unit.

Stove Simulator With Overhead Burn Hood - Class A Burn Prop

The stove simulator assembly consists of 1/4" thick prime painted angles and 12 gauge stainless steel panels, bolted together with 3/8" diameter bolts through pre-punched holes for ease of assembly. The prime painted 19W4 x 1 1/2" x 3/16" bar grate is designed to hold class "A" materials 1'-4" above the floor surface. Dimensions are approximately 4'-5 1/2" x 4'-5 1/2" x 6'-7" tall, resembling a commercial grade stove.

Stove Simulator With Overhead Burn Hood -Class A Burn Prop (Cont'd)

The overhead bar grate hood of this unit is 2'-11" x 4'-5 1/2" and provides another area to hold class "A" materials for a secondary fire. A sliding/removable stainless steel range top with large ventilation holes is also provided. The range top helps to limit the number of pallets trainees can place in the unit by covering approximately half of the unit.

Tactical Breach Door

The tactical breach door provides training for ram/kick breaching and shotgun breaching. The door frame and backer frame is AR-500 steel. The door panel is a plywood façade which may be easily replaced with simple hand tools. The door features two interchangeable mechanical breaching mechanisms which can simulate standard locks/deadbolts or multiple locking mechanisms. These mechanisms may be easily reset, and the force requirements are adjustable. The door also has an easily replaceable consumable breachpoint for use with shotgun breaching. The mechanical breaching mechanism may be used in tandem with the consumable breachpoint to simulate multiple lock situations.

Westemp® Insulating Panels

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

JOINT TRAINING FACILITIES

Across the country and around the world, fire departments rely on our training structures to provide a safe environment for live fire exercises.

But fire is just one of the dangers that public safety professionals must prepare for. Law enforcement officers are finding it increasingly important to train for rapid response to "active shooter" situations. School shootings. Terrorist attacks. Hostage situations. Experts have concluded that in these emergency situations, the first responders must be prepared to act swiftly and decisively – seconds may cost lives.

Fire Facilities and its Tactical Training Systems division can create a public safety building or campus that will cater to the needs of all public safety agencies. The building interior can be configured to create residential, school and commercial environment simulations. Interactive systems can be added for weapons training, Haz Mat containment and control, multiple situation preparedness and training feedback.

Our training facilities allow you to maximize the learning, development and teamwork within individual departments and among them.

The Advanced Law Enforcement Rapid Response Training (ALERRT) Center at Texas State University - San Marcos sets the standard in active shooter training. Their Tactical Training Systems structure is an important component of the training, providing a flexible, dedicated environment in which to prepare for disaster. Learn more about the program at alerrt.org.

A training facility aids in preparing for:

- Fire/rescue
- Active shooters
- School emergencies
- Hostage situations
- Domestic disputes
- Search and rescue
- Terrorist attacks
- Room/building clearing

TOWER BENEFITS

Complete Service and Support

- Supported by over 100 years of manufacturing experience.
- As the designer and manufacturer of towers, we know every detail of each product, giving you the expert resource you deserve.
- Knowledgeable and fire service experienced sales force offers guidance with meeting safety and training requirements.
- Complete turnkey packages available.
- Erection services available.
- Manufactured in the USA.
- The management system governing the manufacture of this product is CSA-A660-04 certified.

Color Options

Trim Colors

MATTE BLACK

GARNET

CONTINENTAL BROWN

ICED WHITE

PATRICIAN BRONZE

DESERT TAN

EVERGREEN

ROYAL BLUE

POLAR BLUE

CEDAR RED

ORANGE

Wall Colors

SLATE GRAY

ICED WHITE

CREAM BEIGE

CLASSIC BEIGE

Note: Colors vary from actual panel material.
For a steel color sample, please contact Fire Facilities.

Training Structure Financing Program

- Spreads the cost of a training structure over a number of years instead of a single-year budget outlay.
- Leasing periods from 3 to 15 years.
- Flexible payment structure including monthly quarterly, semiannual, and annual options.
- Competitive tax exempt rates for qualified applicants.

Warranties

- 30/25-year limited warranty on paint finish, which includes chalking, fading, and breakdown of film integrity.

Tower Parts and Workmanship Warranty

- Fire Facilities warrants all materials to be free of defect for a period of one year.

Westec® Insulation System Warranty

- 15-year limited warranty provides coverage against a break in the thermal barrier caused by cracking, breaking, and spalling.

Structure Warranty

- 5-year limited warranty protects the structure itself.

TOWER INSPECTIONS

To ensure trainee safety, NFPA 1403 requires that the structural integrity of the live fire training structure shall be evaluated and documented periodically by a licensed professional engineer. Our licensed engineers are available to conduct inspections as required per NFPA 1403.

Our engineering staff is highly qualified to evaluate and report on the condition of the facility in accordance with NFPA regulations, and will explain any needed repairs or maintenance.

Contact your FFI regional manager to discuss how to most efficiently fulfill the inspection needs at your community's training facility.

Fire Facilities is committed to helping you build a project that you can be proud of, that will serve your current and future firefighters for decades to come.

"…professional, knowledgeable, and truly go the extra distance to ensure total customer satisfaction…Thank you for making our choice for purchasing a training facility an easy one."

Travis J. Raby
Barnes ANGB Fire Department

"Our new tower has allowed us to train 3-4 companies at the same time, all on different evolutions."

Steve Rex, Training Officer
McMinnville Fire Department

"I am very pleased with the degree of professionalism exhibited throughout this project. All add-ons and changes were met with a "can-do" attitude."

Edward Beirne, Captain
Metro West Fire Protection District

"Overall the Fire Facilities burn building has been an excellent addition to our training facility. I highly recommend it."

Gary Atwell, Fire Chief
Alamo West Fire Rescue

For more information, contact us at:

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FIRE FACILITIES
STEEL FIRE TRAINING TOWERS ®

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