

SPECIFICATIONS

Class A, Live-Fire, 4-Story, 5-Level Training Tower

to be delivered to Catoosa County Fire Department training grounds

located at Station #10 1324 Mack Smith Road Rossville Georgia 30741

A. Scope of Services:

1	Vendor to acquire/construct offsite, to the extent possible, all the components of the structure so as to minimize time spent on site during installation.
2	Vendor to deliver and fully assemble (1) Class A training tower with an approximate size of 5440 sq ft for the entire structure
3	Purchaser to provide detailed location for features listed below at time of contract. If successful, vendor will provide detailed drawings for final approval by purchaser.
4	Vendor to provide orientation training on proper care, maintenance and use of structure within (14) fourteen calendar days of completion of assembly/construction.

B. Standards Compliance:

1	The structure specified herein shall be designed and constructed so as to comply with NFPA 1402(current edition), Guide to structure Fire Service Training Centers and applicable sections of NFPA 1001(current edition), Standard for Professional Qualifications and NFPA 1500 (current edition), Standard for Fire Department Health and Safety. Furthermore, the structure should be designed so as to allow for compliance with NFPA 1403(current edition).
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C. Bid Responsibilities:

1	Warranty information for any and all goods and services to be delivered.
2	Proof of insurance for construction, delivery, and erection.
3	Detailed specifications to indicate compliance with ITB.

D. Terms of Delivery:

1	Vendor shall clearly provide approximate delivery date (in terms of days after contract signed) in the bid.
2	Vendor shall provide an estimate of the time to be spent on site assembling/constructing structure.
3	Vendor shall clearly state any delivery/construction needs expected to be provided by the purchaser. Any costs associated shall be included in the bid price.

E. Requirements:

Vendor shall meet these requirements and shall apply to all containers:

1	All materials shall be new.
2	All exterior windows and doors shall open to the outside.
3	Structure shall allow for adequate drainage of water to the exterior.
4	The flooring in all containers shall be constructed so as to not pool water, ensuring proper drainage/drying of the units after training evolutions.
5	All attachment hardware to be either stainless steel,epoxied mild steel and or galvanized material.
6	Structure to be constructed in order to prevent water leaks
7	Structural corner posts are to be 8"x8" and 0.375" minimum.
8	Exterior walls - Wall panels to be constructed of 14 gauge corrugated corten steel with continuous seam welded to structural members.
9	Floor structural members to be 5-3/4" channel x .125" with weather resistant coating.Burn room to be 1/8" diamond steel plate. All non burn areas to be 1/8" rhino lined or equivalent
10	Roof structure - To be constructed of 14 gauge corrugated corten steel with galvanized .125" thick diamond plate deck surface in training areas. Fasteners to be recessed and roof area to provide a live load capacity of of 300 lbs/sq. ft.
11	All staricase material to be corrosion resistant galvanized bar grating with a minimum 36" wide (inside) tread surface. Stair risers are to be a maximum of 7" high with a minimum traed depth of 11". Stair areas and other applicable areas to have OSHA compliant hand rails. Landings to be non skid type.
12	Burn Doors - To be constructed of 11 gauge stainless steel. They are to be a welded assembly with appropriate door lock mechanisms, door holdback, and a minimum of (3) 3/8" steel hinges. Frames to be constructed of 2"x2" sq. tubing. Regular egress doors to be constructed same way but mild epoxied steel.
13	Burn Windows - To be constructed of 11 gauge stainless steel insulated to withstand elevated temps. Each window to be hinged on one side with a minimum of two (2) 3/8" stainless steel hinges. Window size to be 36"x36". Frames to be constructed of 2"x2" sq. tubing corrosion resistant steel.Regular windows to be constructed same way but mild steel epoxied.
14	Railings - All open railing areas with a vertical distance in excess of 30" above grade shall have OSHA compliant railings. Each railing will supply access in appropriate areas through approved openings. Railings to be constructed of 1-1/2"x1-1/2"x11 gauge sq. tubing. All exterior railings to have a galvanized finish and safety toe kick around perimeter of any active roof area.
15	Exterior - Structure is to be painted with a base color and one "Access" color doors, windows. Each unit to be primed and painted per customer color code specifications.
16	Finish of exterior shall be painted with a 2 part high solid marine urethane 3 mil.

F. Tower to Include The Following Components:

1	7-40` new high cube, 6 new 20` high cube connex for main tower
2	2-1st floor Class A burn room`s 1 at 288 Sq ft` and 1 at 160 sq ft
3	2nd floor Class A burn room at 144 sq ft
4	Qty 10 - 20`x8` hi wall reconfigurable panel maze system with reduced profile openings
5	Wire entanglement prop
6	2 full height breach walls
7	Drywall pike pole ceiling prop
8	2 breach windows 1 horizontal and 1 vertical
9	Floor and roof hatch 30"x30" on 1st,2nd,3rd,4th,5th floor with verticle confined tubes
10	overhead garage door cut prop
11	Exterior FDC and inner gate valve on 1st,2nd,3rd floor staiwell
12	1 sprinkler head connected off stand pipe system on first floor
13	Galvanized Exterior stair run from 3rd floor roof deck to 4th and 5th levels
14	Dining room table,chair`s and stove prop
15	Denver drill window
16	Verticle breach window and 1 horizontal breach window
17	4 story galvanized inner stair well with midway landing at each floor
18	galvanized exterior stair`s 5 levels ground to 1st,2nd,3rd, 4th and 5th floor
19	Wireless temperature monitoring system that records and alarms each burn room
20	All roof top active roof decks to have OSHA approved railings and 4" toe kick
21	All entry doors to have hose flaps
22	10 STD-36"x36" windows, 17-36"x80" egress doors
23	8`x12` pitched roof/attic simulator with 4`x8` chop out
24	2-36"x80" forced entry doors,1-72"x80" 4 door forcible entry door,1-blast door,1 battering ram door
25	1 basement bail out window prop
26	8`x12` flat roof chop out prop with 4`x8` chop out
27	Behind the wall fire prop
28	20,000 CFM smoke generator
29	32` parapet wall at 5th level
30	1 cantilever balcony and 1 recessed balcony
31	10,000# OSHA approved rappel anchor on 5th floor roof deck
32	All burn rooms to be minimum 10 ga. Stainless steel corrugated panels
33	1 galvanized inner stairwell from 1st floor to 2nd floor
34	Canopy on level 5 rooftop
35	3 OSHA approved rappel anchors for window bailouts

G. Additional Requirements:

1	Install dept logo
2	120-150 day Completion Time frame once contract is finalized
3	Flag pole on rooftop canopy
4	A permit and proper construction inspections as required by the County Building & Inspections Code will be required for this project; however, the permit fee will be waived by the County.
5	10 Hour Train the trainer program for up to 12 guys