



October 26th, 2023

Ref Number: **Q-2318261**

Travis Teesch – Fire Chief
City of Watertown Fire Department
106 Jones St.
Watertown, WI. 53094
ttesch@watertownwi.gov

Dear Chief Teesch,

We are pleased to provide you with the following budgetary estimate utilizing our Sourcewell contract number 011822-JHK and the City of Watertown's Sourcewell contract number 200455 for a custom **3rd ALARM FOUR-STORY WHP** training simulator. The simulator would consist of a structure that would approximate the following

1. Section A will be a **Four-Story Tower** approximately 21'-11" W x 11'-8" L x 44'-0" H (to top of parapet).
 - a. Three (3) interior floors (2nd, 3rd, 4th)
 - b. One (1) flat roof with parapet roof guard system
 - c. Two (2) 3'-0" chain gates, one (1) on each 11'-8" face of the tower
 - d. Four (4) rappelling anchors on the roof
 - e. One (1) 2'-6" x 3'-0" Bilco roof hatch
 - f. One (1) vertical ladder from the 3rd floor up to the roof hatch
 - g. One (1) four-story interior stair with welded stair railing
 - h. One (1) 3' x 7' exterior plate steel door and hardware
 - i. Four (4) 3' x 4' window openings with latching shutters
 - j. One (1) 3' x 3' access hatch to residential attic
 - k. One (1) wireless 30,000 CFM smoke machine with (8) PVC runs
 - l. One (1) four-story galvanized standpipe with 2-head sprinkler run
2. Section B will be a **Two-Story Residential/Industrial** section approximately 21'-11" W x 24'-9" L x 24'-0" H.
 - a. One (1) gable roof, 5/12 and 9/12 un-equal pitch with perimeter welded guardrail
 - b. Two (2) 8'-0" chain gates, one (1) on each 24'-9" face of the residential/industrial gabled roof
 - c. Two (2) chop outs on gabled roof, one (1) 48" x 48" chop out and one (1) 48" x 96" chop out
 - d. One (1) attic space provided between the gabled roof and the second floor
 - e. One (1) 3' x 3' framed window opening with latching shutter at exterior gabled end of the attic
 - f. Six (6) 3' x 4' framed window openings with latching shutters
 - g. One (1) 6' x 4' double window with latching shutters
 - h. One (1) 6' x 7' exterior plate steel door and hardware
 - i. One (1) 3' x 7' exterior plate steel door and hardware
 - j. Two (2) 3' x 7' interior burn room plate steel door and hardware
 - k. One (1) 12' x 12' burn room protected with a Padgenite Interlock™ liner system

- l. One (1) 49" x 49" pallet style burn crib
 - m. One (1) maze starter kit
3. Section C will be a **One-Story Annex** approximately 21'-11" W x 14'-6" L x 10'-0" H.
 - a. Two (2) 3' x 4' framed window openings with latching shutters
 - b. One (1) 3' x 7' exterior burn room plate steel door and hardware
 - c. Entire room shall be protected with a Padgenite Interlock™ liner system
 - d. One (1) temperature monitoring system
 - e. One (1) 49" x 49" pallet style burn crib

Materials and Freight are estimated at:	\$415,486.60
Labor is estimated at:	<u>\$180,459.15</u>
Total:	\$595,945.75

Prevailing wage rates, if any will be applied to the labor cost to erect the simulator.

Optional items you might consider are as follows:

Soils Test	\$3,806.25
Foundation Design	\$4,750.00
Working surface at Annex with Parapet	\$13,931.80
Exterior 5-story IBC stair with 2 doors Tower B-side	\$52,329.15
4' x 28' 7" cantilevered balcony C-side	\$23,992.35
Foundation Estimate (By Others) U.S. National Average	\$87,339.98
Concrete 4" Fill on Deck (By Others) U.S. National Average	\$37,085.86

All pricing is in US Dollars and is valid for 30 days. It is the policy of WHP Trainingtowers™ to provide a reasonable cost estimate for your budgeting purposes. It is not uncommon in the construction industry to offer cost estimates that are for low end or stripped down structures. WHP believes the cost estimate should reflect a training simulator that meets OSHA safety requirements, is of the highest quality, and will meet the expectations of the customer.

Schedule: We would require 2-4 weeks to prepare conceptual drawings after award of the contract or purchase order and 18-20 weeks for delivery after receipt of approved drawings. If the foundation is in place the erection would be complete approximately 8-10 weeks after delivery of building. Some optional items such as brick exteriors will require more time to complete erection.

Design Criteria: Pricing is based on the following structural design criteria per IBC 2009:

1. *Live Loads-* (a) Roof: 100 psf (b) Floor: 100 psf (c) Attic: 100 psf
2. *Wind Loads-* (a) Speed: 90 mph (b) Exposure: C
3. *Seismic Loads-* (a) Coefficient S_s [max]: 55 (b) Coefficient S₁ [max]: 13
4. *Soil Capacity-* Minimum 1500 lbs/sq.ft.

*Requirements exceeding these loads may result in additional costs.

Exclusions: We exclude from our proposal: bonds, taxes, permits, special insurance requirements if any, field painting of exterior handrails and stairs, mechanical, electrical, fire protection systems, gas fired simulators, winter conditions, concrete foundations, foundation design, slab on grade, concrete fill on decks, anchor bolts, site work, excavation, engineering layout and general condition items and any other miscellaneous fees.

Terms: For materials a deposit of 25% on the building package is due on receipt of order (signing of contract). Balance of payment on materials due on delivery to site. No retention on materials. Labor will be billed monthly. Invoices not in dispute over 30 days will be assessed 1 ½ % per month on balances in excess of 30 days. Financing is available through lease purchase programs.

We hope you find the proposal acceptable. If we can provide you with further information please feel free to call.

Sincerely,

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WHP Trainingtowers™