

EXHIBIT A
RFQ # 0822HAZMAT
SPECIFICATIONS AND SCOPE OF WORK

- I. DESCRIPTION.** Contractor shall provide a free-standing, relocatable chemical storage and containment structure for outdoor installation, to include the components for storage of flammable or combustible liquids and other hazardous materials. The structure must meet the specifications outlined herein, or must otherwise be an equivalent "as approved equal".

The new structure will replace an existing, free-standing hazmat storage structure already on-site, located outdoors. Existing structure is grounded and anchored to a concrete pad.

- II. SCOPE OF WORK.** This project requires Contractor to supply a new, turnkey structure to Owner and also includes:
- A.** Removal and disposal of existing hazmat storage structure at the Location(s) identified in the Bid Instructions.
 - 1. Exterior dimensions of existing building to be removed:** approximately 9'2" L x 8'6" W x 8'4" H
 - 2. Contents:** Everything stored in the existing shed is POL (petroleum, oils, and lubricants) in support of vehicle service completion. Currently there is no Haz waste but that can change weekly. When there is waste stored, it is typically drums containing fuel filters or used antifreeze.
 - B.** Delivery, offloading, and installation of new structure at the Location(s) defined in the Bid Instructions. Contractor shall rig, hoist, place and anchor the structure into existing concrete pad at site.
 - C.** Installation of grounding rod with lug and clip to the structure.
 - D.** Once new structure is in place, Contractor shall install all shelving, ramp(s), and other add-ons required per Specifications.
 - E.** No electrical work is required for this project.
 - F.** Contractor shall supply all labor, equipment and materials to provide all elements of the project as outlined in these Specifications.
 - G.** Bids must include freight to jobsite.

III. STRUCTURE SPECIFICATIONS AND STANDARD FEATURES.

A free-standing, relocatable chemical storage and containment structure (modular building). The structure shall include the following components for storage of flammable or combustible liquids and other hazardous materials. At a minimum, the structure must meet the following requirements:

- A. Size Requirements for NEW Building.** Exterior (nominal) Dimensions not to exceed the following:

LOCATION	BUILDING SIZE	EXISTING CONCRETE PAD*
Fairfield FMS	9'2" L x 8'6" W x 8'4" H	11' x 13'

*Concrete pad size is provided for reference only; no changes to be made to the concrete pad(s).

- B.** Non-climate controlled.
- C. Door(s).** Structure must have a single opening (60"W x 80"H) located on the front of the building for a double-door constructed entry.
 - 1.** UL Classified and Labeled, 3-hour fire rated swing type door(s). One door shall be 36"W x 80"H and the other door shall be 24"W x 80"H.
 - 2.** Door frame and hardware must be UL Listed and Labeled.
 - 3.** Door threshold to be 11-1/2" above pad with 1/4" variance allowed.
 - 4.** Door must be equipped with a UL Listed self-closer and an exterior UL Listed keyed security lock; Door Hold Device, Active Leaf, fuse-linked for automatic closure.
- D. Exterior Wall Construction.** Weatherproof 1-hour fire-rated noncombustible construction, with multiple layers of UL Classified fire-resistive gypsum wallboard encased between interior galvanized steel sheets & exterior

welded heavy gauge steel sheets for maximum durability, weather resistance & rigidity. Gypsum wallboard layers are offset with overlapping joints for maximum fire-resistance.

- E. Sump Wall Construction.** Weatherproof 1-hour fire-rated noncombustible construction, same as exterior walls; utilizing interior & exterior continuously welded heavy gauge steel sheets for maximum spill containment protection.
- F. Roof and Ceiling Construction.** Weatherproof 1-hour fire-rated noncombustible construction; same as exterior walls, utilizing interior galvanized steel sheets & continuously welded heavy gauge steel roof sheets for maximum durability and weather resistance. Roof/ceiling must be permanently attached to exterior walls.
- G. Ventilation.** Structure shall have screened air inlet vent(s) equipped with UL Classified & Labeled 3-hour rated fire dampers with louvers & screens to allow air flow and provide proper ventilation. Dampers must have a galvanized steel frame, curtain-type galvanized steel blades, and a UL Listed 165°F fusible link.
 - 1. Bird Screen.** Each vent should have bird screen installed to prevent access to shed through vent from the exterior of building.
- H. Building Base.** Open channel construction for forklift and/or crane slings and under building inspections.
- I. Internal Spill Containment Capacity.** Minimum 30% of total storage capacity. Surpasses regulatory and Factory Mutual requirements for spill containment.
- J. Interior Finish.** High solids, chemical-resistant epoxy coating with a white aliphatic polyurethane topcoat.
- K. Exterior Finish.** High solids, chemical-resistant epoxy undercoat with a heat reflective white aliphatic polyurethane topcoat.
- L. Anchoring.** Four (4) Hold-down Brackets (structural steel angles) for bolting to foundation for seismic and wind load anchoring.
- M. Static Grounding System.** One (1) exterior grounding connection, one (1) 10-foot long 5/8" diameter copper-clad steel grounding rod, one (1) #4AWG copper conductor, and grounding lug(s).
- N. Signage.** D.O.T. hazard classification placard with rust-proof aluminum holder & stainless steel clips; and pressure sensitive NFPA 704 Hazard Rating Sign(s).
- O. State of Iowa Seal.**
- P. Factory Mutual ("FM") Approved and Labeled as such.**

IV. DESIGN LOADS.

- A. Roof Snow Load:** 40 psf
- B. Wind Load:** 110 mph, Exposure C
- C. Floor Live Load:** 500 psf
- D. Seismic Condition:** Zone 4 or Performance Category E

V. ADDITIONAL INCLUDED ITEMS.

- A. SHELVING.** Adjustable 16"D. Corrosion-resistant stainless steel adjustable shelving with clear zinc-coated supporting standards and brackets. Two (2) rows of shelving to be installed along the back / long side of the interior of the building. Each shelf should measure 16" deep with a 1" lip on the front, back and side edges for secondary spill containment. Each shelf will support a uniformly distributed load of 80 psf.
- B. RAMP.** Steel; 48"W x 88"L. Access Ramp fabricated from 3/16" plate steel with 12GA formed side walls and protected with a "safety yellow" coating. Securely held in place with two 1/2" diameter inserts located in the door thresholds. Installation required.
- C. DOOR HOLD OPEN.** Fusible Link. Door leaf is equipped with a UL Listed Automatic Closer that automatically closes the door leaf upon activation of a UL Listed fusible link.
- D. DOOR PANIC BAR.** UL Listed Panic Exit Rim Device on the active door facilitating personnel exit from the building.