

## **EXHIBIT “A”**

### **SPECIFICATIONS FOR POLICE BOMB TRUCK FOR LAKE COUNTY REGIONAL BOMB SQUAD**

#### **CHASSIS and BODY**

1. 2013 (current model year) chassis with aluminum step van body or equivalent for easy access in Bomb Suit.
2. Chassis shall be equipped as follows:
  - \* Heavy duty shocks
  - \* Dual rear wheels
  - \* Aluminum Wheels (6)
  - \* 20,000 Lbs. capacity rear axle w/ 20,000 Lbs. Suspension
  - \* All purpose tires - front = highway, rear = mud/snow
  - \* Power steering
  - \* Power air brakes
  - \* Heated air dryer
  - \* Drivers and Officers Seat front seats, rear seating for 4-6
  - \* Intermittent windshield wipers
  - \* Cruise Control
  - \* AM/FM Radio
  - \* Air emergency brake
  - \* Approximately 300 HP DIESEL Engine
  - \* Approximately 90 gallon fuel tank
  - \* Allison automatic transmission or equivalent
  - \* Alternator
3. Body equipped as follows:
  - \* All aluminum construction
  - \* Safety glass all around
  - \* Tinted windshield
  - \* Hinged type drivers/passengers door
  - \* Crank down windows in a side access door(s)
  - \* Double vertical rear doors
  - \* (1) High output heater
  - \* towing package
  - \* External Battery Jumper
4. Approximate unfinished Body dimensions shall be as follows:
  - \* Interior height – 85 “
  - \* Interior width – 95 “
  - \* Interior length (body only) – 20'
  - \* Overall Length – 30'

## **BODY CUSTOMIZATIONS**

1. (1) Aluminum bulkhead shall be fabricated and installed, double walled and framed with aluminum tubing and insulated with an access door.
2. (2) solid aluminum bulkheads behind front seats.
3. Fabricate and install jump seat type bench seats for approximately 4, with storage and seat belts.
4. Entire body and chassis shall be cleaned and prepared, primed, painted. Color (BLACK). Body to be undercoated. Touch up paint to be provided.
5. Rear bumper custom fabricated from steel and a heavy duty hitch receiver and hitch shall be installed to accommodate a 10,000 Lbs. Trailer.
6. Interior area behind main bulkhead shall be equipped with shelving – to include a small interior LOCKABLE cabinet shall be installed within one of these shelving units.
7. One set of aluminum wheel chocks shall be supplied and installed at the left side of the body forward of the rear wheels. The chocks shall mount at a special cut-out area of the body so as not to hang down below body line.
8. Center section of body insulated, sealed with silicone caulking.
9. One (1) Desk/Counter area shall be designed and installed at the apparatus interior. Storage and a space shall be provided for X-Ray and Robot controller – approximately 96" Long.
10. (1) Diesel generator shall be installed on the outside of the unit controlled on the inside 6-8 hours use time.
11. All 110/240v wiring shall be run through liquid tight conduit with all liquid tight connections. All wire shall be color and number coded and shall meet NFPA standards. (1) 10 circuit electrical control breaker panel with breakers shall be located at body interior as per customers request.
12. (2) 120v 20 amp exterior and (8) 120v 20 amp interior outlets shall be installed. The exterior outlets shall have weather-proof covers as per customer requirements.
13. Interior lighting forward of Robot Area and in the Robot Area.
14. All 12 volt wiring shall be installed to meet all federal and NFPA standards. A minimum of 18 gauge color and number coded and function labeled stranded copper wire shall be used (unless specified by a specific solid state electronic component.) All wiring shall be run through automotive type split loom. The entire Emergency Load added to the Chassis/Body shall be Load Managed to prevent an electrical overload of the apparatus.

15. There shall be a master distribution box located in the chassis cab with all circuit breakers, solenoids, diodes, etc. All wiring that enters the body shall then be connected to a junction block terminal located in the left side front compartment. The junction blocks will serve as a disconnect point for future upgrades. The junction block shall be covered with removable aluminum for protection.

16. All body marker lights shall be supplied and installed as per Federal and state requirements. All marker lights shall be LED and protected with a chrome plated shield.

17. Reverse lights shall be installed at rear of unit - one each side. These lights shall be activated whenever the transmission is placed in reverse. (1) Heavy duty audible back-up alarm shall also be installed on this circuit.

18. Red tail/stop lights shall be installed at rear of unit, amber turn signal lights (with arrow) shall be installed at rear of unit - one each side. These lights shall be activated direct from chassis system.

19. (1) license plate holder shall be mounted at the rear of the unit with pre-drilled holes. (1) light shall be mounted to illuminate license, this light will be activated direct from chassis system.

20. Scene lights installed on upper sides of body - each side and (2) at rear and LED Opticom brand or compatible light bar shall be mounted at front of body roof. The light bar shall be set up with clear lenses and Red/Blue LED's.

21. Siren shall be installed at the cab instrument panel (overhead) - complete with noise cancelling microphone. Switch shall be included to operate the siren from the (steering wheel)

22. Blue/red LED (with clear lenses) lights shall be installed - (2) in cab grille area, (2) at each side (low) and (2) at rear (low). Lights shall be controlled from cab console.

23. Blue/red LED (with clear lenses) lights shall be installed on body - (2) at rear (high) and (2) at each side (high).

24. 100 watt speakers shall be installed in the front bumper and connected to electronic siren.

25. Battery charger/conditioner/air compressor or equivalent shall be installed on chassis battery system.

## MISCELLANEOUS

1. A large rear compartment door shall be installed with access from the right side of the apparatus. The compartment shall be equipped with a slide-out/hinged ramp for deployment of a Robot and support equipment. The compartment shall have a roll-up style door. A door shall be installed between this compartment and the main interior of the body. This compartment shall be equipped with a 12volt circulation fan to provide airflow.
2. Exterior storage compartments shall be installed around the apparatus
3. An automatic transfer switch shall be installed to transfer the interior lighting and receptacles from the shoreline to the generator (minimum 30 amp).
4. Two workstations with LCD monitors shall be installed inside the command portion of the body with connections for two (2) additional monitors possible.
5. A tower mast with a Camera system shall be installed. The complete tower system shall be controlled from the exterior of the command module. A Look up light shall be included.
6. A Manual Awning shall be installed on the right side of the unit.
7. Four (4) 120V extension lights shall be provided – two (2) fix mounted and two (2) tripod mounted.
8. Two (2) Roof mounted Air Conditioners / Heaters shall be installed on the unit. The AC units shall be operated from the generator system and shall provide approximately 13,500 BTU Cooling and 5,600 BTU Heating EACH.
9. Two (2) Emergency air horns.
10. A minimum of three (3) outlet strips shall be provided and installed at the interior for charging of radio and communication equipment.
11. Ability to install antennas supplied by customer on the apparatus roof with coax to be run to the forward cab area.
12. One (1) DVR with storage capability shall be provided and installed, with recording capability connected to a Video/Camera system.
13. Storage shall be provided for two Bomb Suits (hanging) and Helmets (on shelves) in the robot storage area of the command unit.
14. Ability to install One (1) Customer supplied 120V refrigerator and freezer in the forward portion of the Command Unit.
15. Ability to Install a Customer supplied Day Box, Cap Box and Robot harness/plugs in

cabinetry as per Customer requirements determined during Pre-Construction

16. Two (2) LED handlights with chargers shall be installed as per Customer requirements.