FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #15 – HEAVY RESCUE APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled "Manufacturer's Base Vehicle Standard Equipment", check the applicable areas where the manufacturer's base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a special service vehicle with a special emphasis on Chapters 1, 2, 3, 4, 10, 12, 13, 14, 15, 25 (if applicable), FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA's Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submit-ting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars ($15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the License with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

1. DOCUMENTATION, DELIVERY, TRAINING

a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications

b. Approval drawings provided prior to construction commencement
c. Two (2) sets of operator and service manuals
d. Delivery to be F.O.B. customer's location
e. Vehicle orientation as outlined in NFPA 1901
f. Pump test certification (if applicable) by independent third party
g. Water tank capacity (if applicable) certification
h. 12 volt and, if applicable, 110 volt testing by independent third party
i. Vehicle weight, as measured by certified scales

2. CHASSIS

a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner
b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield
c. Tow hooks or eyes front and rear attached to the frame
d. 18,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels
e. 24,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels
f. Front and rear mud flaps
g. NFPA 1901 Chapter 4.15.3 top speed rating requirement

h. S-cam air brakes, as large as possible, with automatic slack adjusters
i. Manufacturer's standard compressor
j. Minimum 5000 cubic inch air reservoir capacity
k. Air dryer, color coded air lines, turn drain valves on reservoirs
l. ABS brakes
m. Power steering with tilt/telescopic wheel
n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8
o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2, or model to have been tilt table tested and certified per Chapte4.13.1.1.r 1
p. Tire pressure monitoring system with Chapter 4.13.4

3. POWERTRAIN

a. Minimum 350 horsepower turbocharged diesel engine with 1000 ft. lb. torque rating
b. Minimum EVS 3000 transmission
c. Engine exhaust at front of right rear wheels
d. Secondary braking to meet NFPA
e. Engine manufacturer's statement of engine installation approval with approved cooling system
f. Drivelines to meet engine torque rating
g. Silicone coolant hoses with constant torque clamps
h. 50 gallon minimum fuel tank
i. OEM oil, fuel, transmission filters

4. CAB

a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2
b. Seating for four, three in SCBA seats with SCBA brackets
c. Air ride driver seat, all others fixed position
d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14
e. Electric over hydraulic cab tilt with manual back-up
f. Single tone cab paint finish with 10 year paint warranty pro-rated
g. Air conditioning and heating
h. Remote controlled mirrors (from driver's position) with separate flat and convex sections
i. DOT compliant headlights
j. Forward facing turn and warning lights
k. Cornering turn and warning lights
l. Minimum four (4) dome lights with red and clear bulbs
m. Minimum four (4) under cab step lights
n. Cab and compartment door ajar light and buzzer
o. One (1) engine compartment light

p. Color coded and function coded wiring
q. Alternator sized according to amp draw report
r. Minimum four (4) 750 CCA batteries
s. Load manager with automatic high idle function
t. Dual air horns with dual in-cab controls

5. APPARATUS BODY

a. Bidders to bid on each of their offered construction types:
   - Extruded aluminum
   - Formed aluminum
   - Formed stainless steel
b. Minimum 18' body length (outside body length, do not include rear step in 18' body length calculation) non-walk-in type body

c. Body compartments shall be configured
   - Two (2) transverse compartment(s) forward of rear wheels
   - One (1) transverse compartment over rear axle each side
   - One (1) full depth/full height compartment behind rear axle one each side
   - One (1) full height x as deep as possible compartment on rear of body
d. Bidder to state compartment sizes
e. Minimum of 520 cubic feet of use able storage space
f. Compartment lights per NFPA Chapter 13.10.5
g. License plate light
h. One pair of 12-volt rear body upper scene lights per NFPA 1901
i. Two (2) 12-volt upper side body scene lights per side (4 lights total)
j. Minimum 10" rear step for access for rear storage compartment, step surface to meet NFPA 1901 requirements for slip-resistance, with NFPA compliant handrails

6. EMERGENCY WARNING

a. NFPA Zone A lower and upper level lighting
b. NFPA Zone B / D lower level lighting
c. NFPA Zone C upper and lower level lighting
d. Electronic 100 watt siren with 100 watt siren speaker, minimum
e. All emergency warning lights, rear,stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter and interior dome lights to be LED.

7. PAINT FINISH

a. Cab and body to be painted single tone
b. Wheels painted to match the cab and body
c. Minimum 4" reflective stripe on cab and body, chevron striping on rear of body per NFPA 1901

8. WARRANTY

a. 1 year bumper to bumper mechanical, excluding normal wear and tear items

b. 10 year cab and body structural
c. 10 year paint pro-rated
d. 10 year corrosion perforation on cab and body
e. Lifetime frame warranty
f. Manufacturer's standard warranty for front and rear axle
g. 5 year engine
h. Manufacturer's standard 5 year warranty for transmission
i. 2 year fire pump (if applicable)
j. Lifetime booster tank (if applicable)

I affirm that my bid is inclusive of all requirements listed within this specification and that we will supply the items listed, at the prices bid.

Bidding Company: REV RTC d/b/a Hall-Marik RTC Bidder Name: Dee Daniels

Bidder Title: Director of Apparatus Sales Bidder Signature: Dee Daniels Digitally signed by Dee Daniels Date: 2018.03.14 12:11:57 -04'00'

Date Signed: 3-14-18

SPECIFICATION #15 – HEAVY RESCUE APPARATUS

Bidding Company: REV RTC d/b/a Hall-Mark RTC

Manufacturer	**Chassis Make/ Model**	**Ladder Type**	**Body Type**	**Base Price** Discount Included	**% Discount Off MSRP**	**Build Sheet** Insert name of USB file
E-ONE	Typhoon		Extruded Aluminum	$314,243	5%	REV RTC - Spec #15 E-ONE Heavy

Prices are to be rounded to whole dollars (100.00)

Percentage discounts are to be whole number percentages (10%)

Indicate the name of the build sheet file from your USB in the Build Sheet column for each vehicle