AGENDA
Selectboard
Monday, June 24, 2019
Town Meeting Room 6:00 PM

PUBLIC INPUT

PRESENTATIONS/APPOINTMENTS

6:05 p.m. 2.1. Linda Tebbetts - Mount Sunapee Resort
Community Project

DEPARTMENT HEAD DISCUSSION

3.1. Highway
Police
Fire

REGULAR BUSINESS

4.1. 2019 Blodgett Landing Day
July 20th

4.2. Library Trustee - Alternate
Library trustee alternate
Jeanne Pallieko

4.3. Rosie Johnson - Mount Royal
Fishersfield

Correspondence

4.1.1. Library Trust Fund Income for 2018
Trust Funds

4.1.2. Certificate
Jack Shephard (5)

4.1.3. Veterans - Correction May 13, 2019

4.1.4. Zoning Board
Hilton (5)
Hilton (6)
D’Alelio

4.1.5. Thank you note
Plunkett
Approve Payroll/Payables
4.2.1. Payroll and Payables of June 22, 2019

Acceptance of Minutes
4.3.1. Selectboard Meeting Minutes of June 10, 2019
       Minutes 6-10-19

Other Business
4.4.1. Purchase Order
       Greenwood Emergency Vehicles
       Autotronics
       22 - 97
4.4.2. Application for Reimbursement for Federal and State Forest Land
       Newbury
       98
4.4.3. Warrant
       Peter Moore (5)
       99 - 103

NON-PUBLIC SESSION
Per RSA 91-A:3, II, a-e

ADJOURNMENT

NOTE: ALL OF THE ESTIMATED DISCUSSION TIMES ARE APPROXIMATE. THIS SCHEDULE IS SET TO HELP THE BOARD SEE A NUMBER OF PEOPLE WITH SPECIFIC ISSUES AT EACH MEETING. PLEASE BE CONSIDERATE OF OTHERS AND RESTRICT YOUR SESSION TO THE ALLOTTED TIME.
Good Morning Pam,

Now that we are Vail Resorts we would like to help in the community. We will have a day in September dedicated to volunteering on a community project. Like building something or cleaning up an area, painting, fixing, landscape work. Is there someone I can talk with about the needs for this kind of help in an upcoming project?

Thank you,

Linda Tebbetts
Executive Assistant
603-763-3510
Lmtebbetts@vailresorts.com
We Are Sunapee.

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Follow Up Flag: Follow up
Flag Status: Flagged

From: Bradley Wheeler <bwheeler@newburypd.org>
Sent: Tuesday, June 11, 2019 11:21 AM
To: Dennis Pavlicek <dennis@newburynh.org>
Subject: RE: 2019 Blodgett Landing Day

July 20th is the Blodgetts Day this year.

Brad

From: Dennis Pavlicek <dennis@newburynh.org>
Sent: Tuesday, June 11, 2019 9:38 AM
To: Bradley Wheeler <bwheeler@newburypd.org>
Cc: Pam Bryk <Pam@newburynh.org>
Subject: Re: 2019 Blodgett Landing Day

What date? I will have Pam place on boards agenda for next meeting

Sent from my iPhone
Dennis J. Pavlicek
Town Administrator
Town of Newbury NH
PO Box 296
937 Route 103
Newbury NH 03255
(603) 763-4940 x 204
dennis@newburynh.org
www.newburynh.org

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From: Kara Obey <lakesun902@gmail.com>
Sent: Monday, June 10, 2019 6:33 PM
To: Bradley Wheeler <bwheeler@newburypd.org>
Subject: 2019 Blodgett Landing Day

Chief Wheeler,

I request to have music and dancing under the tent as usual in Blodgett Landing, COA park, aka Casino Park until 12 midnight. This is needed because it goes beyond 10 PM noise ordinance regulation for the town.

Thank you,
Kara Obey
President
Cottage Owners Association

If you need an address for mailing
17 Washington St.
Newbury NH 03255

An email is also fine.
From: Regina Cockerill <reginacockerill@gmail.com>
Date: June 10, 2019 at 9:59:19 PM EDT
To: Dennis Pavlicek <dennis@newburynh.org>
Subject: Alternate Library Trustee

Hi Dennis,

A motion was made and passed today at the Library Trustees meeting to request that the SelectBoard appoint Jeanne Palleiko as an alternate Trustee. Can you please place this on the SelectBoard agenda for the 24th. I will plan on attending as a Trustee in attendance.

Thanks,
Regina
TO: Jeanne Palleiko in the County of MERRIMACK, State of NEW HAMPSHIRE

Whereas, there is a vacancy for a Library Trustee Alternate member in the Town of Newbury, and whereas we, the subscribers of said Library Trustees have confidence in your ability and integrity to perform the duties of said office, we do hereby appoint you, Jeanne Palleiko, as Library Trustee Alternate member for said town; and upon your taking the oath of office, and having this appointment and the certificate of said oath of office recorded by the Town Clerk, you shall have the powers, perform the duties, and be subject to the liabilities of such office, until another person shall be chosen or elected in your stead.

Given under my hand this 24th day of June 2019.

Library Trustees:

Patricia Sherman

Helen Wright

Lynne Tuohy

Regina Cockerill

Lisa Correa

I, Jeanne Palleiko, do solemnly swear that I will faithfully and impartially discharge and perform all the duties incumbent on me as Library Trustee Alternate member according to the best of my abilities, agreeably to the rules and regulations of the constitution and the laws of the State of New Hampshire. SO, HELP ME GOD.

STATE OF NEW HAMPSHIRE.
MERRIMACK COUNTY. ss.

Personally, appeared the above-named Jeanne Palleiko, who took and subscribed the foregoing oath. Before me,

Date

Received and recorded

Term Expires: June 2020

Town Clerk
Hi Pam,

There is a memo for the Select Board regarding Mount Royal Academy’s use of Fishersfield Park for their fall soccer season.

To: The Select Board
From: Rosie Johnson

I spoke with Andrew Mihaly this morning and he tells me that the school will be using the field for 10 weeks starting in mid August and ending in late. They plan to use it Monday through Friday afternoons for practice and games. They will not be using the field on weekends and they will not be using the upper field at all. Also, they will not be using the field in the spring of 2020.

He said they could go a bit higher on the price, but too high would price them out altogether. Please let me know your thoughts on a rental fee and I will pass it on to the school.

Sent from my iPhone
June 10, 2019

Ms. Lea McBain
Newbury Public Library
P.O. Box 245
Newbury, NH 03255

RE: Trust Fund Income for 2018

Dear Lea,

The income earned on the following accounts for the year ending December 31, 2018 is as follows:

- Jennie Folsom Library $55.05
- Shirley R. Powers Library $18.39
- Steinfield Library Fund $286.80
- White Library Fund $87.37
- Marion Smith Library Fund $575.84
- Elsie Perkins Library Fund $574.92

Total $1,598.37

The money has been wired to the Newbury Public Library account ending in 9880 at Bar harbor Bank.

If you have any questions, do not hesitate to contact me.

Sincerely,

Daniel H. Wolf
Trustee of Trust Funds

DHW/tm
pc: Board of Selectmen
Trustees of the Newbury Public library
INTERNATIONAL CODE COUNCIL
recognizes participation in

2015 IRC WOOD WALL BRACING PROVISIONS
in
LACONIA, NH
on
JUNE 12, 2019

and awards 6 Contact Hours / 0.6 ICC Continuing Education Units
to

Student Name (please print clearly)

Tracy L. Lendi, Ph.D., MBA
Vice President, Training and Education

Sandra Hyde
Instructor
NOTICE OF DECISION
June 10, 2019

Mark J. & Anne B. Hilton
P.O. Box 528
Newbury, NH 03255

RE: Special Exception as provided for in Article 5.4.8
FOR: Property located at 274 South Road, Newbury, NH 03255
   Newbury Tax Map 045-382-409

The Newbury Zoning Board of Adjustment (ZBA), at its meeting on Monday, June 10, 2019, after a properly noticed hearing, has voted to Grant a Special Exception as provided for in Article 5.4.8 of the Newbury Zoning Ordinance to permit the following: Reclamation work to bring the existing gravel pit back into compliance with the rules and regulations specified by NHDES AOT Bureau. Newbury Tax Map 045-382-409.

Please be advised that you or any party directly affected by this decision may appeal to the ZBA within thirty (30) days of the decision as per RSA 677:2. Said motion must set forth, in detail, all grounds on which the appeal is based.

Sincerely,

Peter Fichter, Chair
Newbury Zoning Board of Adjustment

cc: Eckman Engineering, LLC, agent
    Newbury Planning Board
    Board of Selectman
    Jack Shephard, Code Enforcement Officer
    Case File
NOTICE OF DECISION
June 10, 2019

Mark J. & Anne B. Hilton
P.O. Box 528
Newbury, NH 03255

RE: Variance from the requirements of Paragraph 20.3.10
FOR: Property located at 274 South Road, Newbury, NH 03255
    Newbury Tax Map 045-382-409

The Newbury Zoning Board of Adjustment (ZBA), at its meeting on Monday, June 10, 2019,
after a properly noticed hearing, has voted to Grant a Variance from the requirements of
Paragraph 20.3.10 of the Newbury Zoning Ordinance to permit the following: Mining of land

Please be advised that you or any party directly affected by this decision may appeal to the ZBA
within thirty (30) days of the decision as per RSA 677:2. Said motion must set forth, in detail, all
grounds on which the appeal is based.

Sincerely,

Peter Fichter, Chair
Newbury Zoning Board of Adjustment

cc: Eckman Engineering, LLC, agent
    Newbury Planning Board
    Board of Selectman
    Jack Shephard, Code Enforcement Officer
    Case File
NOTICE OF DECISION
June 10, 2019

Jack D’Alelio
17 Wampatuck Road
Braintree, MA 02184

RE: Motion for Rehearing
FOR: Variance granted to Kristen Schultz for property located at 20 Shore Drive, Newbury, NH 03255 Newbury Tax Map 020-172-544.

The Newbury Zoning Board of Adjustment (ZBA), at its meeting on Monday, June 10, 2019, after a properly noticed hearing, has unanimously voted to Deny a Motion for Rehearing for the following reason:

- The criteria of RSA 677:3 has not been met.

Please be advised that you or any party directly affected by this decision may appeal to the appropriate court within thirty (30) days of this decision.

Sincerely,

Peter Fichter, Chair
Newbury Zoning Board of Adjustment

cc: Newbury Planning Board
    Board of Selectman
    Jack Shephard, Code Enforcement Officer
    Case File
Selectboard and Staff for the town of Newbury:

We are grateful for your kind donation to the Monadnock Humane Society in memory of our mother, Ellie Plunkett. All of her pets about her life were rescued or sheltered. We appreciate your thoughtfulness.

With gratitude,

Michael, Judy, & Linda Plunkett
MINUTES
Selectboard Meeting
Monday, June 10, 2019 Town Meeting Room 6:00 PM

Selectboard: Ed Thorson, Russell Smith, Joy Nowell

Town Personnel: Dennis Pavlicek, Town Administrator; Pam Bryk, Administrative Assistant; Brad Wheeler, Police Chief; Henry Thomas, Fire Chief; Cal Prussman, Highway Administrator; Rosie Johnson, Recreation Director

Public: Kara Obey, Wayne Whitford, Bruce Healey, Judy Healey, Regina Cockerill

1 Public Input
   a) Kara Obey

Obey, 17 Washington Street came in to discuss three things. First is the dock, the log floating in the water is part of the crib, you can see where the new part starts. Obey said the posts have caution tape, they moved during ice out. The timber is crooked and is pushing the new part out. Under the dock the metal rods in the wood has been compromised. Obey said if Watermark can't come, I would recommend Rick Green, who did the dock in 1980, to take a look at it and make an assessment. The railing is pulling away. Thorson said that Watermark is coming in. Nowell said that the weather has delayed everything. Nowell said we will call Watermark tomorrow if not Rick Green. Thorson said we are aware of this and do have Watermark coming out.

Obey said the second thing is the no smoking on town property in effect already and are there signs. Thorson said we will be discussing that tonight, we need new signs that can be seen. Obey asked what is the penalty for smoking. As of right now there isn't one. A gentlemen asked about drinking and open containers on the docks. Chief Wheeler said there is no ordinance that governs drinking on town properties.

Obey said the last thing is removal of dog feces, there is no problem
with the dogs, it is that there is no cleanup. We did put a sign on the COA property, no dogs beyond this point. Obey asked what can we do, we have the dog bags already there. It is posted on the board. Obey's concern is for the people especially children that swim there, we can not have this going on. Thorson maybe a sign the says no trespassing. Pavlicek did say that this is not town property.

2 Department Head Discussion

a) Wheeler - Police Department - We are meeting with the craft fair on Friday. Wheeler said it would be 10 hours including the hour of cruiser time. Thorson made a motion to follow the same cost as last year, the Board all agreed. Wheeler said there were 199 calls for service, 92 motor vehicle stops and 10% of those were cited. Arrests were made for duty to report (sex offender), suspended without registration, and 4 counts of criminal mischief. The Board signed the purchase order for lightning on the new truck. Healey asked if the electronic sign will be working. Wheeler said he wants to keep it plugged in the next few days and avoid the rain, next year he will replace the batteries, they are $1,200. Smith asked if it is the batteries and said get the batteries and just have it done. Wheeler will have Prussman test them to see if it is all of them. Prussman will grab the batteries and test them. Wheeler said the batteries are five years old.

Prussman - Highway Department - Prussman said we finished sweeping today. Prussman had a meeting with Mike Hansen and Mike Vignale about the bridge. The preliminary plans are done. They have an easement from state to put in a temporary bridge. Hansen will order bridge materials. Prussman is having a pre DES meeting next week before plans are submitted. The guys will spread bark mulch this week if the weather permits. Smith said to check the granite step, bricks are spreading. Prussman will check the bricks on the walkway that have spread apart. Prussman said that one last thing when he was with Mike Vignale, he brought up Southview and Vignale will have to remark everything if they go through with the road this year. Prussman said the only thing he feels is that Bell should pay for it, the Board agrees and will send a letter to tell him. Nowell said we went the extra mile last year, Bell didn't come through. The Board wants to send a letter to Bell, Thorson said this is between Bell and Southview now. Smith asked how are the gravel roads, Prussman said they are starting to flatten out. Stillman went to school last week for two days for the grader. All the trucks are running good. Nowell said Mountain Road was nice riding on it. Thorson said to keep the width down on that road.

Thomas - Fire Department - These are calls for the last 4 weeks, 3 fire
alarms at North Peak Village, the alarm was outdated. We had a missing person on Mountain Road, that is all good, 9 medicals call, someone fell at the boat launch at Sunapee Beach, 2 motor vehicle crashes with one serious injury. Also an illegal burn on Chalk Pond Road, responded to an electrical smell that turned out to be a fluorescent light. Thomas did 4 inspections, just handed in a purchase order for a rescue truck, he received 2 quotes. Thomas has been talking with some people and we should have a local emergency planning committee, we are actually suppose to have one. Thomas talked to Mark at mountain he is willing to work with us. The committee should be myself, Mark, Cal, Brad, and Wayne. Another thing we need to look at is the transformer at mountain because of the oil, North Peak village is owned by one association so the weight should be reportable. Thorson asked about North Peak and aren’t the tanks owned by the individuals. It is a cluster development, Thomas said tanks are outside the footprint of the building. This it is for the weight of the tanks on one parcel. Smith does it mean hydraulic oil too. Thomas said yes. I will have a meeting after the crafts fair is over with Mark.

b) Bruce Healey - Safety Service Building Committee

Healey said that the SSBC finished 7 meetings, and we are able to go to a public meeting. The meeting will be Saturday June 29 at 10:30 a.m. After the public meeting the committee will determine the recommendation for the Selectboard. We will have an opinion poll. After the public meeting the committee will have one single meeting and will generate a final report to the Selectboard. The last thing the committee talked about was outreach and education. We will have the flyer redone, organize an effort door to door, social media which Bryk is doing with facebook postings. We will have a power point at the public meeting. The committee agreed that the Warner video that the fire department did was very well done and we can do one too. Other options are open house at the fire station, old home table with materials and will try to go to a veterans and NBC meeting. Finally new signs for voting.

3 Presentations/Appointments

a) Rosie Johnson - Fishersfield

Johnson came in to discuss the renting of Fishersfield’s soccer field to Mount Royal Academy. They have been using it and the agreement was to maintain the field but now they want to just rent. Johnson called around the area to see what the rates are, it ranged from $30 to $150 a play. Johnson felt that $1000 for the fall season was reasonable. Mount Royal was okay with that. Thorson asked how many days would that be. Johnson said she believed about ten days. Practice once a week and 5 home games. Johnson has the New England contract and changed it to
fit us. Thorson had the original request from Mount Royal that said they want to use it everyday for varsity season from mid August to late October. Johnson said she was not aware of that. Smith said that is a lot of use on the field. Johnson said they have been doing that and they are the only ones up there. Smith asked don't we not do soccer camps anymore. Johnson said I have one soccer camp this season and only one person has signed up. We do offer British soccer camp in August that we co host with Mount Royal and there is no money to be made, it all goes to the British people. If the Board is interested we can partner with Colby Sawyer or let them know we have a field for them to use when they have overflow on theirs. Johnson said we used the field for summer camps last year just with different activities. Johnson said we might open the snack shack this year. Thorson asked how pickle ball was going. Johnson said its going and the league is growing. Nowell said for Johnson to clarify how much time they will be on the field, talk to Mount Royal. Smith and Thorson agreed and to have a number on it for usage. Smith asked Johnson it is a range from $30 to $150 per hour, Johnson said it is $150 for each use and $30 an hour. Johnson asked if they are looking for certain amount. Smith said no just to cover the maintenance and mowing, to cover our costs.

4 Regular Business

a) No Smoking Signs

The no smoking signs are up but they are too small and blend in. We will reorder new signs that can be hung up for people to see.

b) A-9 & A-12

The Board signed the A-9 and A-12 for Bradford Fish & Game.

c) South Newbury Union Church

Request to use the gazebo for a mass in August. They have been doing this for a few years now. The Board is okay with the Church using it.

41. Correspondence

41.1. NRRA

The Board received the May 15, 2019 activity detail report.

41.2. Lebanon City Manager's Office

This notice has since changed so hold off on that. Thorson asked where are we with the ash. Pavlicek said we can take it up to Lebanon, we have to put in the dumpster that Casella will bring,
so they asked Prussman if he can help with that and they will need the loader. Pavlicek said they only thing is they will test it before they bring it.

41.3. Eversource Energy

Eversource sent out a flyer on additional rate review information.

41.4. Certificates

EMS Radio Procedures certificates were awarded to Walt Partridge, Ken Holmes, Vicki Hayward, Rudi Franklin, Kamren Buckingham, Mark Wichtermann, Steve Snyder, Dave Smith, Jennifer Parkhurst Smith, Mike Croteau.

Electrical Hazard Awareness certificates were awarded to Thomas Hartiman, David Smith, Jennifer Parkhurst-Smith, Wayne Whitford, John Croteau, Henry Thomas.

NH Emergency Preparedness Conference - Wayne Whitford

41.5. Peace Pole

Pam Ritchie reached out and was looking to see if the town would be interested in putting a peace pole up. It is a pole that reads May Peace Prevail On Earth in four different languages. Some did go up after 911. The Board will take it under advisement.

42. Approve Payroll/Payables
   42.1. Payroll and Payables of June 8, 2019

   The Board approved and signed the June 8th payroll and payables.

43. Acceptance of Minutes
   43.1. Selectboard Meeting Minutes of May 28, 2019

   The Board approved and signed the May 28th meeting minutes.

44. Other Business
   44.1. Abatement

   The Board approved and signed an abatement for John McCarthy, 37 Shore Drive in the amount of $676.00 for corrected assessed value.
The Board approved and signed an abatement for Stephen Schultz, 18 Shore Drive in the amount of $22.42 for corrected assessed value.

The Board approved and signed an abatement for Helm Family Irrevocable Trust, 54 Alsubet Court in the amount of $190.88 for corrected assessed value.

The Board approved and signed an abatement for Francis and Cheyrl Fogwill Jr., 257 Route 103A in the amount of $7.00 for overpayment of 2018 taxes.

44.2. Intent to cut

The Board approved and signed the intent to cut for North Woodlands Inc., Mountain Road, map/lot #024-778-109.

44.3. Warrant

The Board approved and signed a Timber Tax warrant for Scott & Jennifer Young, 64 Forest Brook Road in the amount of $482.38.

5 Non-Public Session
Per RSA 91-A:3, II, a-e

a) The Board went into non-public session at 7:10 p.m.

Thorson made a motion under RSA 91-A:3, II c to go into non-public session, Smith seconded the vote. Roll call vote taken, Thorson - yes, Smith - yes, Nowell - yes.

Smith made a motion to seal the non-public minutes indefinitely, Nowell seconded the motion, All in favor.

b) The Board went into non-public session at 7:20 p.m.

Thorson made a motion under RSA 91-A:3, II c to go into non-public session, Nowell seconded the motion. Roll call vote taken, Thorson - yes, Smith - yes, Nowell - yes.

Smith made a motion to seal the non-public minutes indefinitely, Nowell seconded the motion, All in favor.

6 Adjournment

a) The meeting adjourned at 8:01 p.m.

Smith made a motion to adjourn, Nowell seconded the motion, All in favor.
Selectboard  
June 10, 2019

Ed Thorson, Selectboard Chair

Russell Smith, Selectboard Member

Joy Nowell, Selectboard Member
TOWN OF NEWBURY

NEW HAMPSHIRE

INCORPORATED 1778

PURCHASE AUTHORIZATION

Amount: $193,000  Department: Fire Department

Description: Walk-in rescue truck on a new 2020 Ford F-650 Super Duty XL Value Package Standard Cab 4x4 Model 14 Ft rescue body on Ford chassis manufactured by Werner Fire Apparatus in accordance with specifications agreed to by Greenwood Emergency Vehicles

Selected Vendor: Greenwood Emergency Vehicles

Number of Quotes Received: 2

Charge to Account #: 2019 Warrant Article 10

Department Head/Town Official: (signature) 6/19/19

Town Administrator: (signature) (date)

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Selectboard's Signatures (items in access of $2,500)

Ed Thorson (date)

Russell Smith (date)

Joy Nowell (date)
GREENWOOD EMERGENCY VEHICLES, LLC
530 John Dietsch Boulevard
North Attleboro, Massachusetts 02763
(508) 695-7138

FIRE APPARATUS PROPOSAL

JUNE 10, 2019

THIS PROPOSAL HAS BEEN PREPARED FOR:

TOWN OF NEWBURY
PO BOX 373, 952 ROUTE 103
NEWBURY, NH 03255

WE HEREBY PROPOSE TO FURNISH TO YOU, SUBJECT TO PROPER EXECUTION OF THE ATTACHED AGREEMENT BY YOU AND BY AN OFFICER OF THIS COMPANY, THE FOLLOWING VEHICLE AND EQUIPMENT TO BE BUILT IN ACCORDANCE WITH THE ATTACHED SPECIFICATIONS:

QUANTITY: ONE (1)

MODEL: FORD F-550 LIGHT RESCUE

PRICE: $193,000

DELIVERY WILL BE F.O.B. NEWBURY, NH AND WILL BE MADE APPROXIMATELY 300 DAYS AFTER RECEIPT AND PROPER EXECUTION OF THE ATTACHED AGREEMENT BY BOTH PARTIES

THIS PROPOSAL SHALL EXPIRE UNLESS ACCEPTED WITHIN THIRTY (30) DAYS AND MAY BE EXTENDED, IN WRITING, AT THE DISCRETION OF THE COMPANY.

THE UNDERSIGNED CERTIFIES UNDER PENALTIES OF PERJURY THAT THIS BID OR PROPOSAL HAS BEEN MADE AND SUBMITTED IN GOOD FAITH AND WITHOUT COLLUSION OR FRAUD WITH ANY OTHER PERSON. AS USED IN THIS CERTIFICATION, THE WORD “PERSON” SHALL MEAN ANY NATURAL PERSON, BUSINESS, PARTNERSHIP, CORPORATION, UNION, COMMITTEE, CLUB OR OTHER ORGANIZATION, ENTITY OR GROUP OF INDIVIDUALS.

GREENWOOD EMERGENCY VEHICLES, LLC

MARK MACDONALD-PRESIDENT
CONTRACT

THIS CONTRACT MADE IN DUPLICATE, BY AND BETWEEN GREENWOOD EMERGENCY VEHICLES, LLC. - PARTY OF THE FIRST PART, HEREAFTER REFERRED TO AS "THE COMPANY", AND: NEWBURY, NH, BY ITS AUTHORIZED REPRESENTATIVES - PARTY OF THE SECOND PART, HEREAFTER REFERRED TO AS "THE BUYER", WITNESSETH AS FOLLOWS:

1. THE COMPANY AGREES TO SELL, UPON THE CONDITIONS WRITTEN BELOW, VEHICLE AND EQUIPMENT IN ACCORDANCE WITH THE ATTACHED SPECIFICATIONS, WHICH ARE MADE A PART OF THIS AGREEMENT AND CONTRACT. IN THE EVENT THAT THE COMPANY'S SPECIFICATIONS AND THE BUYER'S SPECIFICATIONS ARE INCORPORATED IN THIS AGREEMENT, BUT ARE IN CONFLICT WITH ONE ANOTHER, THE COMPANY'S SPECIFICATIONS SHALL APPLY.


3. IF FULL ACCEPTANCE TESTS ARE REQUIRED TO BE PERFORMED AT THE BUYER'S LOCATION, SUCH TESTS SHALL BE MADE UPON ARRIVAL AT DESTINATION, WHILE THE VEHICLE IS IN THE CARE, CUSTODY, AND CONTROL OF THE COMPANY. IF DESIRED, A PUMP TEST (IF APPLICABLE) MAY BE PERFORMED AT THE COMPANY LOCATION, UNDER THE BUYER'S SUPERVISION, BEFORE SHIPMENT. IF NO SUCH TESTS ARE MADE, THEN SAID VEHICLE AND EQUIPMENT SHALL BE CONSIDERED ACCEPTABLE AND IN COMPLIANCE WITH THE CONTRACT AND SPECIFICATIONS.

4. IF MORE THAN ONE VEHICLE IS COVERED BY THIS CONTRACT, AND THE VEHICLES ARE SHIPPED ON DIFFERENT DATES, AN INVOICE COVERING EACH VEHICLE OR SHIPMENT SHALL BE RENDERED. LOOSE EQUIPMENT SHIPPED SEPARATELY SHALL BE INVOICED SEPARATELY, AND AMOUNTS PAID AGAINST SUCH INVOICES SHALL BE DEDUCTED FROM THE CONTRACT PRICE UPON FINAL SETTLEMENT.

5. THE BUYER AGREES TO MAKE THE VEHICLE OR EQUIPMENT AVAILABLE TO THE SELLER FOR DISPLAY PURPOSES AT TIMES CONVENIENT TO THE BUYER, WITH PRIOR AUTHORIZATION BY THE FIRE CHIEF, OR HIS OR HER DESIGNEE.

7. This agreement, including its appendices, embodies the entire understanding between the parties relating to the subject matter contained herein, and merges all prior discussions and agreements between them. No agent or representative of the company has the authority to make any representations, statements or agreements not expressed herein. All modifications or amendments of this contract, including its appendices, must be in writing and must be signed by an authorized representative of each party.

8. The vehicle covered by this contract is not warranted by the company by any express or implied warranties. The vehicle is subject to limited warranties as provided by the manufacturers of both the completed vehicle and its components. The company is an authorized service and warranty agency for many of the components furnished on the vehicle, and also offers the buyer assistance in resolving warranty claims relating to components serviced by other agencies. Copies of major component warranties shall be provided on delivery. The company shall not be liable for technical or editorial errors or omissions contained in any warranty supplied by the manufacturer. To the extent allowed by applicable law, the company disclaims all implied warranties or conditions, whether written or oral, and no warranty is expressed or implied, and the company specifically disclaims any implied warranties or conditions of merchantability, satisfactory quality and fitness for a particular purpose. To the extent allowed by applicable law, in no event shall the company be liable for direct, special, incidental, consequential or other damage, whether based on contract, tort or otherwise.

9. The company makes no warranty on, nor will the company be held responsible for any customer supplied equipment. The company shall not be held liable for any equipment malfunctions on customer supplied items such as extrication equipment, saws, rams, etc... The company uses this equipment only for the purpose of fabricating trays and bracketry and is not responsible for ensuring proper equipment operation.

10. The company reserves the right to make product improvements without notice.

11. Delivery instructions shall be given in accordance with a mutually agreeable schedule. Transfer of ownership shall take place before delivery instructions begin. The buyer agrees that fire fighters participating in delivery instructions must be familiar with basic fire apparatus operating principles. Driver training shall be the responsibility of the buyer. Buyer hereby acknowledges that the company highly recommends that all individuals who will be operating the equipment purchased under this agreement attend a training program offered by the company and that the purpose of said training program is not to instruct the buyer's personnel on skills one would acquire in firefighter training school and/or professional driver training school, but to demonstrate the features and components of the equipment purchased hereunder and familiarize buyer's personnel with the proper use and operation thereof. The company further recommends to the buyer (1) that as new personnel are assigned to the equipment purchased hereunder training sessions be scheduled for such new personnel; and (2) that refresher training sessions for all personnel operating the purchased equipment be scheduled at least every five (5) years from the date of delivery. Further information on training sessions and any costs associated therewith may be obtained by calling the company's training division.
12. “TRADE-IN” VEHICLES (IF APPLICABLE): ALL VEHICLES THAT ARE TO BE TAKEN IN TRADE AS PART OF THIS CONTRACT SHALL BE, ON THE DAY OF DELIVERY, IN THE SAME OPERATING CONDITION AS ON THE DATE OF THIS CONTRACT EXCEPT FOR ORDINARY WEAR AND TEAR. THE BUYER SHALL NOT SELL THE VEHICLE TO A THIRD PARTY WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. TRADE-IN’S SHALL BE SURRENDERED WITH ALL SUCTION CAPS, DISCHARGE CAPS, AND OTHER EQUIPMENT WHICH MAY BE NOTED ON ANY ADDITIONAL DESCRIPTIVE DOCUMENTS THAT MAY BE NECESSARY. ALL TRADE-INS SHALL BE DELIVERED BY THE BUYER TO THE COMPANY. OWNERSHIP TRANSFER TO THE COMPANY SHALL NOT TAKE PLACE UNTIL THE TRADE-IN IS DELIVERED AND TRANSFER OF TITLE TAKES PLACE.

13. APPARATUS PAINT COLOR(S) SHALL BE:

   BODY: RED
   CAB: RED
   CAB ROOF: RED

14. IN THE EVENT AN ORDER IS CANCELLED BEFORE CONSTRUCTION HAS STARTED, A 1% CANCELLATION CHARGE SHALL APPLY. IF WORK HAS STARTED ON THE VEHICLE, CANCELLATION CHARGE SHALL BE 1% PLUS THE ACTUAL COST FOR WORK DONE TO DATE, AS DETERMINED BY THE COMPANY.

15. THE VEHICLE BEING PURCHASED SHALL COMPLY TO NFPA 1901 STANDARD TO THE EXTENT THE ATTACHED SPECIFICATIONS PERMIT. IF AN ITEM IN ONE OF THESE STANDARDS IS NOT SUPPLIED WITH OR DESIGNED INTO THE VEHICLE, IT IS BECAUSE THE BUYER DID NOT DESIRE TO INCLUDE IT ON THE VEHICLE.

16. ALL THREADS PROVIDED ON THE VEHICLE OR ON SUPPLIED EQUIPMENT SHALL BE NST, UNLESS NOTED TO THE CONTRARY.

17. THE BUYER ACKNOWLEDGES THAT EXTENDED WARRANTIES ARE AVAILABLE ON VARIOUS COMPONENTS OF THE VEHICLE, AND THAT THESE WARRANTIES HAVE BEEN OFFERED FOR PURCHASE AT ADDITIONAL COST. BY EXECUTING THIS CONTRACT, THE BUYER ACKNOWLEDGES THAT NO EXTENDED WARRANTIES ARE A PART OF THIS AGREEMENT UNLESS THEY ARE INCORPORATED INTO THE ATTACHED SPECIFICATIONS.

18. THE BUYER AGREES TO PAY AS PURCHASE PRICE FOR THE VEHICLE, ACCEPTED AS AFORESAID, THE SUM OF:

   ONE HUNDRED NINTY THREE THOUSAND DOLLARS.

   $193,000
19. **PAYMENT TERMS:** 100% PAYMENT SHALL BE MADE WITHIN FIVE (5) CALENDAR DAYS OF ARRIVAL AT GREENWOOD EMERGENCY VEHICLES, LLC. THE MANUFACTURER’S STATEMENT OF ORIGIN FOR THE VEHICLE SHALL BE PRESENTED TO THE BUYER UPON PAYMENT. IN THE EVENT THAT PAYMENT IS NOT AVAILABLE WITHIN THE FIVE (5) DAY PAYMENT TERMS THE COMPANY RESERVES THE RIGHT TO CHARGE THE BUYER INTEREST AT 2% OVER THE PREVAILING PRIME RATE FOR THE PERIOD FROM THE PAYMENT DUE DATE TO THE ACTUAL PAYMENT DATE. THE INVOICE FOR THE VEHICLE SHALL BE MAILED TO THE BUYER AT LEAST FIFTEEN (15) DAYS PRIOR TO THE ARRIVAL OF THE UNIT AT GREENWOOD EMERGENCY VEHICLES, LLC.

IN WITNESS WHEREOF, BUYER AND COMPANY HAVE CAUSED THIS CONTRACT TO BE EXECUTED BY THEIR DULY AUTHORIZED REPRESENTATIVES THIS 10TH OF JUNE, 2019.

**BUYER’S REGISTERED NAME:**

TOWN OF NEWBURY
PO BOX 373, 952 ROUTE 103
NEWBURY, NH 03255

BY: ________________________________
TITLE: ______________________________
DATE: ______________________________

GREENWOOD EMERGENCY VEHICLES, LLC
530 JOHN DIETSCH BOULEVARD
NORTH ATTLEBOROUGH, MA 02763

BY: ________________________________
TITLE: ______________________________
DATE: ______________________________
FEDERAL EXCISE TAX EXEMPTION CERTIFICATE

THE UNDERSIGNED HEREBY CERTIFIES THAT HE IS ______________________ (TITLE OF OFFICER) NEWBURY, NH (STATE, TERRITORY OF THE UNITED STATES, OR POLITICAL SUBDIVISION THEREOF, OR THE DISTRICT OF COLUMBIA, OR TAX-EXEMPT VOLUNTEER FIRE DEPARTMENT) THAT HE IS AUTHORIZED TO EXECUTE THIS CERTIFICATE AND THAT THE ARTICLE OR ARTICLES SPECIFIED IN THE ACCOMPANYING ORDER ARE PURCHASED FROM GREENWOOD EMERGENCY VEHICLES, LLC. FOR THE EXCLUSIVE USE OF ______________________, ______________________ (STATE, TERRITORY OF UNITED STATES, OR POLITICAL SUBDIVISION THEREOF, OF THE DISTRICT OF COLUMBIA, OR TAX-EXEMPT VOLUNTEER FIRE DEPARTMENT).

IT IS UNDERSTOOD THAT THE EXEMPTION FROM TAX IN THE CASE OF SALES OF ARTICLES UNDER THIS EXEMPTION CERTIFICATE TO THE STATES, TERRITORIES OF THE UNITED STATES, ETC., IS FOR ITS EXCLUSIVE USE, AND IT IS AGREED THAT IF ARTICLES ARE PURCHASED OR SOLD TO EMPLOYEES OR OTHERS, SUCH FACT WILL BE REPORTED AND TAX PAID BY ME TO THE DISTRICT DIRECTOR OF INTERNAL REVENUE FOR THE DISTRICT IN WHICH THAT SALE WAS MADE.

IT IS ALSO UNDERSTOOD THAT THE FRAUDULENT USE OF THIS CERTIFICATE TO SECURE EXEMPTION WILL SUBJECT THE UNDERSIGNED AND ALL GUILTY PARTIES TO A FINE OF NOT MORE THAN $10,000.00 OR TO IMPRISONMENT FOR NOT MORE THAN FIVE (5) YEARS OR BOTH, TOGETHER WITH COSTS OF PROSECUTION.

BY: ______________________

(SIGNATURE)

______________________________

(TITLE)

______________________________

(DATE)

NOTE: FEDERAL EXCISE TAX WILL BE ADDED IF THE ABOVE FORM IS NOT COMPLETED AND SIGNED.
Here is it, the latest and hopefully perfect version. We added the notes for 2020 chassis, the 12 volt HVAC mounted on the face of the box, and two rider seats with DOT seat belts and storage in the base. No restrictions on use with these DOT/NPFA approved seats.

I know it's been a long road but this is a very specific vehicle and we wanted to get it 100% right. If we are lucky enough to win your business the plan would be to do a detailed pre-build after order entry.

Brett the Chief Engineer of Warner would get on a conference call with us and we would cover every single detail of the truck, to be 100% sure that all parties (customer, dealer, builder) are positive of every single line of the shop order.

Final price with the changes to the seating, including delivery, training, lettering, and no money due until completion is $193,000.

We do not require pre-pays or partial payments. If the Town wants to pre-pay, we can quote discounts.

Again, thank you for working with us through this long process, I hope you both are as excited about this project as I am. It's a very interesting and detailed truck.

Have a good weekend

---

Chris Champagne  
Vice President of Sales and Service-Greenwood North  
19 Summer Street  
Brunswick, Maine 04011  
207-650-8803 cell phone  
207-729-4738 sales/service office  
207-729-4737 fax
**Bid Bond**

A bid security in the form of a Bid Bond, cashier's check, or certified check made payable to the Purchaser in the amount of ten percent (10%) of the total bid shall be required. This shall serve as a guarantee which may be forfeited and retained by the Purchaser in lieu of its other legal remedies if a successful bidder's proposal is accepted by the Purchaser and the bidder shall fail to execute and return to the Purchaser the required contract and bonds within ten (10) days after delivery. If a Bid Bond is provided, it shall be issued by a bonding company licensed to bond in this State.

**Certificate of Insurance**

Each bidder shall furnish, with their proposal, a Certificate of Product Liability Insurance for a minimum of twenty five (25) million dollars. Failure to provide this documentation shall render the proposal non-responsive and the bid shall be rejected. This certificate shall be from the prime builder only. Certificates submitted from various sub-contractors in order to total the ten million dollar minimum will not be acceptable as meeting the requirements of this section.

If one of the major portions of the apparatus (i.e. chassis, aerial, or body) is not designed, fabricated, and assembled by the prime builder, a separate Certificate of Liability Insurance for a minimum of twenty five (25) million dollars must be provided by each additional contractor.

The Certificate must be made out to the Purchaser and must be original. Submission of a non-original Certificate or a Certificate provided that is not made out to the Purchaser will not meet the requirements of this section.

**Certificate of Insurance-Dealer**

Each dealer bidding shall furnish, with their proposal, a Certificate of Product Liability Insurance for a minimum of four (4) million dollars. Failure to provide this documentation shall render the proposal non-responsive and the bid shall be rejected. This certificate shall be from the prime builder only. Certificates submitted from various sub-contractors in order to total the ten million dollar minimum will not be acceptable as meeting the requirements of this section.

The Certificate must be made out to the Purchaser and must be original. Submission of a non-original Certificate or a Certificate provided that is not made out to the Purchaser will not meet the requirements of this section.

**Qualification of Bidders**
Bids will only be considered on vehicles constructed in the continental United States, whose manufacturers have an established reputation of permanency and reliability in the field of fire apparatus construction. Each manufacturer shall furnish satisfactory evidence of their ability to construct the apparatus as specified.

**Engineering**

**Manufacturer**

A letter shall be provided from a degreed engineer employed by the manufacturer verifying that the cab, chassis, body, pump system, water tank, and electrical system comply with all appropriate DOT and NFPA standards.

**Dealership**

Each dealer bidding shall also verify that they have at least 1 (one) degreed engineer on staff to oversee major repairs that may be needed during the life of this truck. Dealer service centers who do not meet this requirement will not be acceptable.

**Delivery**

The apparatus shall be delivered under its own power to assure adequate break-in while under warranty. It shall first be transported to the local service facility, where final inspection and preparation will be performed, including mounting of related equipment. The apparatus will then be delivered to the Purchaser's location.

**Post Delivery Training**

On mutually agreeable dates after delivery, a manufacturer certified delivery engineer shall familiarize those persons designated by the Fire Chief with the basic operation of the apparatus and its components. This shall be a full instructional program including both classroom and practical or “hands on” training. Limited programs or “drop-off” type deliveries are unacceptable.

**Construction Time**

DELCERY DATE 300 DAYS AFTER RECEIPT OF SIGNED DRAWING AND SIGNED SPECIFICATION. **THIS IS CONTINGENT ON A 160 DAY CHASSIS DELIVERY TIME AS QUOTED BY CHASSIS DEALER.
Delivery of completed apparatus will be no more than 300 calendar days after acceptance of the Purchaser signed Formal Contract, signed Approval Drawing and signed Specification. The manufacture shall not be held liable for damages arising from its failure to make on-time delivery due to fire, flood, riot, major component shortage, accidents, acts of God, or any circumstances beyond our control. It shall be the responsibility of manufacture to notify the Purchaser in writing of any delay for any reason, in delivering the complete apparatus within the timeframe specified by manufacture and accepted by the Purchaser.

Failure to deliver the completed apparatus, required equipment and all specified documents within the timeframe stated will result in manufacture being charged $100.00 per calendar day until delivery is completed. This late charge shall be deducted from the contractual purchase amount at time of payment.

Alternate Specification Format

In addition to the long format specifications required each bidder is asked to provide a “line specification” or similar to assist in the evaluation process.

Contract

These specifications, together with any documents required herein, shall be included in the final contract. Each proposed vendor shall submit a copy of their proposed contract form.

Warranty

Each dealer/distributor shall submit a copy of their standard Warranty in compliance with State and Federal regulations. Any pro-rated warranties shall include details as to the pro-rating schedule and the monetary responsibilities of the purchaser at any given time within the warranty period.

Exceptions, Variations, and Compliance

The following brief list is to be considered the minimum acceptable standards for the apparatus being proposed. Proposer’s are responsible for reviewing these items and ensure their proposed vehicle is in compliance. Any exceptions from these minimums shall be listed in detail for the Department’s consideration. The York Beach Fire Department shall be the final authority on what items will be or will not be considered acceptable.

Variance from Specifications. Each bidder shall submit a list of any and all exceptions to these specifications with the reason for each exception and shall clearly mark the list "EXCEPTIONS TO SPECIFICATIONS". Exceptions explained to the satisfaction of the Fire Chief will not be a cause for rejection. Failure to comply with the listing of exceptions will constitute a cause for rejection. Under no conditions will any deviation from these specifications be acceptable without the written consent of the Fire Chief of the York Beach Fire Department. Neither the Fire Chief, Town of York, Maine, nor any of its agents...
or officials, shall be held liable for any infringements of patents or patented processes, devices, or articles used in the manufacture of the proposed fire apparatus, or any of the appliances furnished under the contract.

The proposer's list of "EXCEPTIONS TO SPECIFICATIONS" and "SPECIFICATIONS" shall be ordered so as to correspond to the order of that item in these specifications for the ease of comparison.

The specifications are the final authority and unless written exception is taken, it is assumed that these specifications have been complied with in total. Any errors or omissions shall be the responsibility of the proposer. Proposals taking total exception to the publicized specifications or stating that the proposal takes precedence over the published specifications may be immediately rejected as being non-responsive.

Bid Drawings

A general arrangement drawing depicting the vehicles appearance shall be provided. The drawing shall consist of left side, right side, front, and rear elevation views.

Vehicles requiring pump controls shall include a general arrangement view of the pump operator's position, scaled the same as the elevation views.

COMMERCIAL CHASSIS

The chassis shall be a new, unused commercial cab and chassis provided by the fire apparatus body manufacturer. Chassis specifications, as ordered, shall be reviewed by the apparatus body manufacturer with the Purchaser within seven (7) days in advance of the purchase order release to the chassis supplier. The apparatus body manufacturer shall be totally responsible for all chassis specifications being in compliance with their bid proposal as accepted by the Purchaser. The purchased chassis shall be drop shipped to the apparatus body manufacturer's production facility.

CHASSIS PREPARATION

The chassis shall receive adjustments and frame drillings as required to ensure proper fit-up of the added chassis components and mounting of the modular body components. OEM provided chassis frame holes shall be utilized whenever possible to maintain frame integrity as designed by the chassis OEM.

DELIVERY FUEL

The chassis fuel tank shall be one-quarter full at time of shipment from the apparatus manufacturer.

CHASSIS SPECIFICATIONS

Chassis shall be a new 2020 Ford F-550 Super Duty XL Value Package Standard Cab 4x4 Model.

**Complete chassis specification attached at the end

CHASSIS UPGRADES

NEWBURY - WALK-IN - PRELIMINARY SPECIFICATION 4
ANTENNA MOUNTS

Two (2) 3/4" Motorola style antenna mount shall be provided and installed at the rear-centerline of the cab roof, behind the light bar. Antenna mount cabling shall be routed to the center console using mini-UHF connectors. Additionally, 24" of labeled and protected cabling shall be provided at the console for each antenna. Rain caps shall be placed over each roof opening connection. Antenna whip shall be provided and installed by the Purchaser after delivery of the vehicle.

BACK UP ALARM

The vehicle shall be provided with a Whelen model WBUA97 automatic 97dB (decibel rating) back-up alarm that shall activate automatically whenever the vehicle's transmission is placed into reverse gear. There shall be no back-up alarm cut-off switch, in violation of safety regulations.

BACK-UP CAMERA

The chassis OEM provided back-up camera shall be installed by the apparatus manufacturer at the rear of the body. Installation shall include a protective cover for the camera to prevent contact damage. The system shall be tested for proper operation according to the chassis OEM provided Owner's manual.

BATTERY DISCONNECT SWITCH

Manufacturer shall supply and install a Cole Hersee master battery disconnect switch in the cab center console to provide an effective emergency power cut-off, protecting the vehicle from tampering and battery drain. A Cole Hersee model 58312 lighted rocker switch shall incorporate a green pilot light showing the battery system is "ON" via a control solenoid.

BATTERY CHARGER

A Kussmaul model 091-215-12 Auto Charge 1000PLC battery charger shall be installed in the apparatus. The charger shall be fully automatic and shall produce up to 15-amp output while sensing battery voltage and balancing the battery charge rate with the battery bank condition. A parasitic load compensator shall be built-into the charger's electronic control module allowing the purchaser to input via a dip switch, the actual vehicle battery type and actual total amps required by all connected auxiliary devices. A built-in 3-amp, 12-volt Battery Saver circuit shall be dedicated to auxiliary loads placed on the battery system from ancillary items such as hand lights or portable radios. The charger shall automatically set the ancillary charge rate allowing the ancillary battery's to float when normal operating current is reached. The electronics shall prevent ancillary batteries from overcharging and overdischarging.

A remote bar graph display indicating the vehicle batteries' state of charge shall be mounted in the cab or as otherwise directed by the Purchaser.

The charger shall carry a manufacturer's 3-year warranty.

SHORELINE CONNECTION

A 20-amp 120-VAC power inlet connection and weatherproof cover shall be installed at the driver's side rear body fender at an easily accessible height.

A mating shore line connection plug shall be supplied with the connection.
USB POWER PORT

A reverse polarity protected Kussmaul USB dual power port shall be recess mounted in the cab console and located at the direction of the Purchaser. The power port shall be wired direct to battery power or to an ignition controlled circuit. One port shall provide 1.0 amp output and the other port shall provide 2.1 amps output. Total output voltage shall be 5.0 volts and total output current shall be 3.1 amps. A Red LED indicator shall illuminate whenever the devise is supplying current to a connected device.

The USB power port shall be warranted by the manufacturer for a period of 3-Years.

CENTER CAB CONTROL CONSOLE

A custom design smooth aluminum console shall be fabricated and installed on the cab floor, centered between the driver’s and officer’s seats, as far rearward as possible. The console shall contain warning light controls, siren, communications radio(s) and additional items as required by the Purchaser. The console shall have a hinged top for easy service access and shall be coated with gloss Black Versaflex Roughguard truck bed liner on all interior and exterior surfaces for durability and appearance.

A 3D design drawing showing all specified console mounted items shall be submitted to the Purchaser for signature approval prior to console fabrication.

MAP LIGHT

A Federal Signal model LF 18TSB-LED Littlite, LED map light shall be installed on the front of the center console. The map light shall be 12-volt powered and hard wired to the dash circuitry. It shall have a sturdy, pliable 18” gooseneck design that will not vibrate out of position during transit. A bright LED bulb and spot reflector shall be supplied with a switch changeable Red or Clear lens. The light shall be controlled by a rotary on-off switch on the base of the light. The light base and shade housing shall have a matte Black finish.

RUNNING BOARD STEPS

One (1) set of formed aluminum treadplate running boards shall be installed under the front cab doors. Running boards shall be .125” thick treadplate and 7” deep. An aluminum treadplate mud guard shall be sloped to the cab fender to prevent road splash from the front tires. All aluminum treadplate shall be coated with BriteGard to prevent corrosion and all stainless steel hardware shall be used to install the steps.

An LED step light, controlled by the dome light door switches, and shall be installed at the forward guards.

HEADLIGHT FLASHING SYSTEM

A Whelen alternating headlight flasher shall be installed to permit the high beam headlamps to alternately flash when the apparatus is in response mode, seeking the right of way. The system shall be interlocked to the park brake and shall cease to operate when the park brake is applied.

CAB AREA GROUND LIGHTING

There shall be two (2) TecNiq model Eon E03 linear LED lights shall be installed beneath the chassis cab. Lights shall be 0.9” wide x .5” high x 2.9” long with a polycarbonate lens, fully encapsulated electronics and a gasketed black stainless
steel case mount. The lights shall illuminate the ground within 30" of the cab entry doors to provide visibility of any obstructions or ground hazards. Lights shall be wired to illuminate when the Park Brake or Park Gear is set and the running lights / headlights are switched on. Lights shall carry the manufacturer’s lifetime warranty.

TIRE PRESSURE MONITORS

The apparatus shall be provided with six (6) TireWatch pressure indicating tire valve stem caps. The indicators shall be installed on each tire and be a heavy-duty design manufactured specifically for trucks. When a tire is properly inflated, the indicator inside the cap shall be clear. When the tire is under-inflated by 8 psi or more, the LED indicator inside the cap shall flash red, alerting the viewer to pressurize the tire and monitor it for leakage.

TRAILER HITCH RECEIVER and 7-WAY CONNECTION

A trailer towing hitch receiver with safety chain anchors shall be installed at the rear of the apparatus.

The hitch receiver shall be constructed of 2.0" heavy steel tubing and reinforced to the apparatus framework. The hitch receiver shall have a Class IV rating of 10,000 pounds towing and 1,000 pounds tongue weight when used with a weight distributing hitch assembly.

A trailer towing electrical connection shall be provided, consisting of a (7)-way flat blade recreational vehicle connector for trailer wiring compatible with electric brake systems, and a second connector with inverted ground meeting SAE J560 standards providing an auxiliary connection for warning devices.

A label shall be placed near the receiver stating the maximum trailer weight, tongue weight and straight-line pull rating.

*Verified and matches Fire Department current plug.

WINCH PLUG

One (1) Winch Battery Quick Connect shall be provide. The connector shall be mounted next to the rear trailer hitch receiver on the left-hand side.

*Verified and matches Fire Department current plug.

INTERIOR AC OUTLETS AND CIRCUITS - 120-VOLT

The shore line connection shall supply the electrical outlets outlined below. Proper circuit protection shall be installed with the shore line.

Three (3) 120 VAC 15-amp duplex straight blade house hold style outlets shall be provided. One (1) shall be in the crew area and two (2) shall be in body compartments. Fire Department to specify compartment location(s) at pre construction conference.

BODY DESIGN
Newbury Department  
Newbury, NH 03255  
**ENGINEERING MARK UP**

**WALK-IN RESCUE BODY**

An all aluminum heavy-duty truck body shall be constructed with eight (8) side equipment storage compartments: four (4) accessible from the left side and four (4) accessible from the right side. One crew rehab area shall be provided at the front of the body with access from the rear and right-hand side of the body between R1 and R2 compartments.

The body shall be formed of 5052-H32 marine grade smooth aluminum alloy. All compartments shall be sweep-out design with no bottom lip.

The two (2) crew rehab entry doors are fabricated from 5052-H32 marine grade smooth aluminum alloy.

Compartment access doors shall be aluminum shutter style roll-up.

**BODY DIMENSIONS**

Overall BODY length including bumper = 181” (168” + 12” Bumper)  
Overall BODY width = 96”  
Overall BODY height = 94”  
OVERALL APPARATUS LENGTH = 308” – 25 FEET – 8 INCHES  
OVER ALL APPARATUS HIGHT = 123” – 10 FEET – 3 INCHES

**BODY CONSTRUCTION DETAILS**

The body construction shall feature the following standards:

5052- H32 formed aluminum design with continuous welded body sides.

The body sub-frame shall consist of front and rear master cross members of 2” x 4” x .250” wall 6063 structural aluminum tubing. Additional cross members shall be 2” x 4” x .180” 6061-T6 structural aluminum channel, evenly spaced on nominal 12” centers, ahead of and behind the wheelwell.

A center sub-frame reinforcement (short cross member) placed at the centerline of the wheel well shall be 2” x 4” x .250” wall 6061-T6 structural aluminum tubing.

Cross members shall be welded to the underside of a 3/16” smooth aluminum center body floor.

The body shall be fabricated of .125” and .1875” smooth aluminum with no interlocking seams to trap moisture or promote corrosion. All compartment floors shall be .1875” smooth aluminum plate with a 500 lb. load rating.

The entire front of the body shall be overlaid with .125” bright aluminum treadplate.

All joined seams shall be machine caulked, inside and outside.

**BODY SIDES**

Body sides shall incorporate a minimum 7” header with formed full-length drip rail for upper zone emergency lighting and graphics as specified. Seamless wheel well panels shall have full circular aluminum inner liners and polished stainless steel fenderets with a rubberized vinyl separation bead. Anodized aluminum channel rub rails shall be installed along the bottom of the body sides, spaced out from the body to provide scuff protection for the body and doors.

**BODY MOUNTING**
The body sub-frame shall be securely bolted to the chassis on each side of the chassis frame, at the front, center and the rear. Mounting brackets shall be offset structural steel angles with dual bolt rigid mounts at the rear and dual bolt spring loaded mounts at the front and center, allowing the mounts to absorb torsional frame stresses during travel.

The body structure and sub-frame shall carry a Ten (10) year structural warranty.

**ALUMINUM BODY MATERIAL THICKNESS**

<table>
<thead>
<tr>
<th>Component</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Front Bulkhead</td>
<td>.188&quot;</td>
</tr>
<tr>
<td>Compartment End Panels (front &amp; rear)</td>
<td>.188&quot;</td>
</tr>
<tr>
<td>Compartment Tops</td>
<td>.188&quot;</td>
</tr>
<tr>
<td>Compartment Bottoms</td>
<td>.188&quot;</td>
</tr>
<tr>
<td>Fender Panels</td>
<td>.188&quot;</td>
</tr>
<tr>
<td>Front / Rear Service Panels</td>
<td>.125&quot;</td>
</tr>
</tbody>
</table>

**OVERALL COMPARTMENT DIMENSIONS**

<table>
<thead>
<tr>
<th>Compartment</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward Crew Area</td>
<td>72.0&quot; h x 52.0&quot; w x 80.0&quot; d</td>
</tr>
<tr>
<td>L1:</td>
<td>89.0&quot; h x 41.3&quot; w x 23.0&quot; d</td>
</tr>
<tr>
<td>L2:</td>
<td>89.0&quot; h x 38.7&quot; w x 23.0&quot; d</td>
</tr>
<tr>
<td>L3:</td>
<td>62.0&quot; h x 50.5&quot; w x 23&quot; Lower 33.0&quot; Upper d</td>
</tr>
<tr>
<td>L4:</td>
<td>62.0&quot; h x 35.5&quot; w x 23&quot; Lower 33.0&quot; Upper d</td>
</tr>
<tr>
<td>R1:</td>
<td>89.0&quot; h x 27.8&quot; w x 23.0&quot; d</td>
</tr>
<tr>
<td>R2:</td>
<td>89.0&quot; h x 17.5&quot; w x 23.0&quot; d</td>
</tr>
<tr>
<td>R3:</td>
<td>62.0&quot; h x 50.5&quot; w x 23.0&quot; Lower 33.0&quot; Upper d</td>
</tr>
<tr>
<td>R4:</td>
<td>62.0&quot; h x 35.5&quot; w x 23.0&quot; Lower 33.0&quot; Upper d</td>
</tr>
<tr>
<td>Entry Door Openings</td>
<td>72.0&quot; h x 27.0&quot; w</td>
</tr>
</tbody>
</table>

**FORWARD CREW AREA**

There shall be one (1) crew rehab area directly behind the cab in the front of the apparatus body. The crew rehab area shall be 52.0" wide x 80.0" deep with a clear head room height of 72.0".

There shall be two (2) seamless 6 degree back attendant seats with four-point integrated seat belt mounted to the floor of the apparatus aft of the front bulkhead of the crew rehab area. The mounts of the seats shall have a fixed base.

There shall be an isle way from the rear entry door to the crew rehab area. This isle way shall be approximately 30" wide.

There shall be no solid glass windows in the crew rehab area.

The floor and isle way of crew rehab area will be coved with truck bed liner. The walls and ceiling will be coated with a Zolatone coating.
Newbury Department
Newbury, NH 03255
**ENGINEERING MARK UP**

FORWARD CREW AREA REAR AND RIGHT-HAND SIDE ENTRY DOOR

There shall be two (2) crew area entry doors, one (1) located at the rear of the apparatus body, forward of the rear platform step and one (1) located on the right-hand side of the body between the R1 and R2 compartments. The doors shall be constructed of 1/8" 5052-H32 aluminum sheet and have dimensions of 29.0" w x 77.0" h. There shall be an automotive style locking latch that can be opened from both the inside and out. There shall be one (1) solid glass window with approximate size of 20.0" w x 20.0" t centered in the top portion of the door.

COMPARTMENTATION DETAILS w/ ROLL-UP DOORS

The following compartments shall be supplied on the apparatus:

Compartments "L1": There shall be one (1) full height compartment ahead of the rear wheels, directly behind the cab on the left side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 39.0" wide by 87.0" high by 23.0" deep. The minimum door opening area shall be 33.7" wide x 72.0" high. The usable (closed door) depth shall be 21.0".

Compartments "L2": There shall be one (1) full height compartment ahead of the rear wheels, directly behind compartment 1.1 on the left side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 38.0" wide by 87.0" high by 23.0" deep. The minimum door opening area shall be 33.7" wide x 72.0" high. The usable (closed door) depth shall be 21.0".

Compartments "L3": There shall be one (1) compartment located directly over the rear wheels on the left side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 52.5" wide by 33.00" deep and 41.0" high. The minimum door opening area shall be 47.5" wide x 32" high. The usable (closed door) depth shall be 31.0".

Compartments "L4": There shall be one (1) mid height compartment behind the rear wheels on the left side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 33" wide by 62.0" high with the lower 1/4" of the compartment being 23.0" deep to the frame and the upper section shall be 48.0" high x 33.0" deep. The minimum door opening area shall be 30.5" wide x 53" high. The usable (closed door) depth shall be 21.0" lower section and 31.0" upper.

Compartments "R1": There shall be one (1) full height compartment ahead of the rear wheels, directly behind the cab on the right side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 25.2" wide by 87.0" high by 23.0" deep. The minimum door opening area shall be 22.5" wide x 72.0" high. The usable (closed door) depth shall be 21.0".

Compartments "R2": There shall be one (1) full height compartment ahead of the rear wheels, directly behind the crew rehab entry door on the right side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 17.5" wide by 87.0" high by 23.0" deep. The minimum door opening area shall be 12.5" wide x 81.0" high. The usable (closed door) depth shall be 21.0".

**The body rub rail shall be split on each side of the door opening to allow for extra needed height for Confined Space Stoke Basket.**
NOTE: THIS COMPARTMENT IS INTENDED TO BE USED FOR BACK BOARDS AND A STOKED BASKET. THE REQUIRED STOKES BASKET TO FIT THIS COMPARTMENT LAYOUT WILL BE A JUNKIN SAFETY CONFINED SPACE STRETCHER PART NUMBER JSA-300-CS – DIMENSIONS OF 80.5" L X 18.4" W X 7.8" H

Manufacture / Dealer to supply required Stokes Basket.

Compartment "R3": There shall be one (1) compartment located directly over the rear wheels on the right side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 52.5" wide by 33.00" deep and 41.0" high. The minimum door opening area shall be 47.5" wide x 32" high. The usable (closed door) depth shall be 31.0".

Compartment "R4": There shall be one (1) mid height compartment behind the rear wheels on the right side of the apparatus. The approximate interior dimensions of this compartment shall be a minimum of 33" wide by 62.0" high with the lower 14" of the compartment being 23.0" deep to the frame and the upper section shall be 48.0" high x 33.0" deep. The minimum door opening area shall be 30.5" wide x 53" high. The usable (closed door) depth shall be 21.0" lower section and 31.0" upper.

INTERNAL STORAGE COMPARTMENT

There shall be one (1) compartment constructed of 1/8" 5052-H32 aluminum sheet located on the front bulk head of the apparatus body in the crew rehab area. The compartment shall be 90" wide a 10" high x 10" deep. The compartment shall have two (2) drop down doors. The latches in the compartment doors shall be locking push-button style.

INTERNAL SIDE STORAGE RACKS

There shall be two (2) storage shelves located inside the apparatus body, one (1) each side along the center isle way. The shelves shall be 85" wide a 26" high x 33" deep. The racks shall have vinyl webbing to keep item in place while the apparatus is in motion.

FENDER PANELS

Side fender panels above the rear wheels shall be .188" 5052-H32 smooth aluminum. Fender panels shall be painted the same color as the exterior body and trimmed with polished stainless steel fenderetts installed with black welting to eliminate corrosion between dissimilar metals. Full depth, circular fender liners shall be bolted into each wheel well to prevent road debris from damaging body panels during travel.

TREADPLATE AND TRIM

All tread plate shall be 3003-H14 bright aluminum. All horizontal surfaces suitable for walking or stepping shall be embossed .125" bright aluminum Treadbrite and shall meet NFPA requirements for non-slip surfaces.

REAR VERTICAL GRAB RAILS

Handrails made from 1.250" diameter knurled aluminum extrusion and anchored with chromed zinc end stanchions shall be installed vertically on the rear of the apparatus, one on each side to provide assistance for crew members accessing the top area of the body. Vertically mounted bottom stanchions shall have a drain hole to prevent freezing.
SIDE MOUNTED MANUAL AWNING

There shall be a wall mounted hide away awning mounted to the driver side of the apparatus body. The awning extension / retraction shall be via a manually turned crank. The awning shall be 10 feet wide x 8 feet deep in the extended position and shall retract to a 10 feet wide x 5" deep profile.

BODY FRONT WALL OVERLAY

There shall be .125" polished aluminum treadplate installed on the entire front of the body to protect the paint from road debris and paint chipping. The edges of the overlay shall be seam caulked to prevent moisture wicking between the overlay and the body panels.

COMPARTMENT TOP OVERLAY

There shall be bright aluminum treadplate overlays installed on the apparatus in areas designated as walking areas or where additional scuff protection for the apparatus finish is required.

The compartment top overlays shall be .125" embossed aluminum treadplate mounted with the outer edges formed down at an angle to provide a drip eave above the compartment doors. Inner edges shall be formed up, providing a scuff flange for the side panels.

Overlays shall be totally insulated from the apparatus with nylon shoulder washers that extend into the hole that is drilled into the body. Stainless steel cap nuts shall be employed where bolts may damage equipment or cause injury. Flush seam edges shall be caulked to prevent moisture from seeping between the wall and the overlay.

REAR BODY FENDERETTES

A roll-formed, polished stainless steel fenderette shall be installed around the outboard edge of the rear wheel well openings to protect the body sides from road debris. They shall be bolted to the body and shall be replaceable.

REAR MUD FLAPS

The rear body wheel area shall be equipped with hard rubber/vinyl mud flaps to limit debris and road spray being transferred from the rear tires onto the rear body sides and rear step. Mud flaps shall be easily replaceable and held in position with stainless steel hardware.

12" REAR PLATFORM STEP

A modular bolt-on rear platform step made of .188" embossed aluminum Treadbrite shall be installed on the rear of the apparatus to provide a full width step area with sufficient support to prevent deflection when in use by several crew members. The outside edges of the rear platform shall be flush with the side body rub rails to maintain a uniform appearance.

The step shall protrude twelve (12) inches back from the rear of the body and shall be spaced away from the body to allow water run-off.

REAR TRAILER HITCH ACCESS
The center section of the rear platform step shall be hinged and shall fold-up, allowing clear access to the hitch receiver. The outside edges of the rear platform shall be flush with the side body rub rails to maintain a uniform appearance.

**BODY SIDE RUB RAILS**

Replaceable extruded aluminum channel rub rails, designed to help protect the lower body against accidental contact, shall be installed below the lower side compartments. Each rub rail shall be spaced out from the body with solid black rubber stand-offs. All rub rail ends shall be angle cut, back toward the body to eliminate the possibility of snagging crew clothing or equipment.

The rub rail shall be removed on the right below the R2 compartment to allow room for the additionally needed compartment height.

**COMPARTMENT ROLL-UP DOORS**

Eight (8) body compartments shall have ROM brand Series IV roll-up doors with 34-mm width aluminum slats that roll onto a spool at the top of the compartment. Each slat shall have interlocking end shoes to prevent each slat from moving side-to-side and binding the door. Between every slat shall be a co-extrusion PVC & Rubber inner seal to prevent metal-to-metal contact and to prevent dirt and moisture from entering the compartment. The inner seal shall be hidden to provide a consistent stacked shutter appearance on the exterior of the closed door.

Each individual roll-up door shall have a four-inch diameter counter-balanced door operator drum to assist with raising the door. A two-inch wide finger pull-bar shall be integrated as part of the bottom door rail extrusion allowing easy one-hand opening and closing of the door. Nylon wear shoes shall be installed on both ends of every slat to assure consistent, easy door operation without constant lubrication.

The door slats, track and trim-frame shall have an anodized satin finish to eliminate oxidation and rusting. The top of each door shall have a drip channel while the bottom of each door frame shall have a "V" shape sill to ensure a positive water tight seal. The door latch system shall be a full-width, one-piece, non-locking lift bar, easily operable by one gloved hand. When necessary, the drum operator shall be adjustable for tension assist with basic hand tools.

**COMPARTMENT FLOOR LINING**

Eight (8) compartment floors shall be furnished with Black interlocking Dri-Dek floor lining made of .75” thick re-cycled PVC with a grid style surface to maximize traction and drainage. Floor lining shall be installed in all body compartments excluding compartments utilizing a pump, booster reel and/or floor mounted roll-out tray. All factory installed trays and shelves, when specified by the Purchaser, shall also be provided with Black Dri-Dek tiles.

**COMPARTMENT VENTS and DRAINS**

Each body compartment shall be properly vented in a manner that will minimize the possibility of moisture and road dirt entering the compartment. Venting shall be to atmosphere rather than into another compartment. Each compartment shall also be equipped with floor drains to allow water to exit below the chassis frame.
ADJUSTABLE SHELVING TRACKS

All compartments and internal side storage racks shall be furnished with Adjustable shelving track installed. The shelving track shall include a minimum of four (4) aluminum Uni-strut style channel tracks, mounted vertically on compartment side walls or vertical partitions. There shall be one (1) formed aluminum shelf angle bracket per shelving track to mount each shelf, tray, or adjustable storage module. Shelving hardware shall be heavy-duty commercial quality, providing unlimited vertical position adjustments.

ADJUSTABLE TRAYS

Twenty (20) vertically adjustable trays shall be installed. Trays shall be made of .125” smooth aluminum with a 2” high perimeter retaining lip with welded corners. Trays shall have a rated capacity of 400-lbs. and shall be supported by a minimum of four (4) heavy-duty shelf brackets. Trays shall have a maintenance free mill finish.

LOCATION: Three 3 - each in L1, L2, L4, R1, R3, R4 and Two (2) each – L3.

TOW HOOKS – REAR

Two (2) heavy duty cast iron tow hooks, shall be installed at the rear of the body above the rear step. The tow hooks shall be installed, one on each side, bolted to the chassis frame rails.

DIESEL EXHAUST FLUID TANK ACCESS PANEL

The left side body mounted Diesel Exhaust Fluid fill shall be accessed through a flush-fit cast aluminum door with a spring tensioned retaining hinge. The door shall have a “Diesel Exhaust Fluid” label.

FUEL TANK FILL ACCESS PANEL

The left side body mounted fuel fill shall be accessed through a flush-fit cast aluminum door with a spring tensioned retaining hinge. The door shall be labeled for fuel type.

NAMEPLATES AND INSTRUCTION PLATES

All controls, switches, gauges and indicators shall be labeled with a permanent nameplate.

All nameplates and instruction plates shall be metal or plastic with the information engraved, stamped or etched on the plate. If metal, they shall be made of non-corrosive material.

Equipment Instruction Nameplates shall show make, model, serial number(s) and other such data necessary to positively identify the items.

All plates shall be mounted in a conspicuous location with stainless steel screws and bolts where possible.

Nameplates shall include all NFPA 1901/1906 requirements for this type of apparatus.

WHEEL CHOCS

A pair of molded aluminum Worden model HWG dynamic gripper wheel chocks shall be installed as directed by the Fire Department using Worden model U815 underbody mounting brackets.
Wheel choos shall weigh 7.5 lbs. each with measurements of 8.0" high x 15.0" long x 8.5" wide and shall meet SAE 4905 specifications.

Dimensions

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8" 8.5" 15"
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**ELECTRICAL**

12-VOLT ELECTRICAL SYSTEM

The apparatus body manufacturer shall supply two (2) complete sets of electrical drawings/schematics at time of completion for all added electrical equipment that is not provided by the chassis OEM. Drawings shall detail any connections or taps to OEM wiring harnesses and note their locations. Drawings shall detail fuse locations and functions for all added equipment.

All added electrical equipment shall be served by circuits separate and distinct from the chassis circuits. All vehicle 12VDC wiring shall be copper cross link polyethylene jacket wiring, rated to 272 degrees Fahrenheit, and shall conform to all SAE J1128 requirements. The wiring shall be color-coded, numbered, or function imprinted for permanent identification and correspondence with the vehicle schematics. The harnesses shall include factory-installed plugs/receptacles for standard fixture installation and for common add-on type devices.

All wiring devices, switches, outlets, etc. except circuit breakers, shall be rated to carry 125% of the maximum ampere load for which the circuit is protected.

All vehicle electrical wiring originating at any of the system operating components shall include circuit protection to sense a short and shut down the affected circuit.

Any circuits protected below 6-amps shall use an ATC type fuse and holder. All circuits requiring larger than 10-gauge wire shall include crimped and soldered copper lugs.

All major power distribution components shall be located in the cabinet electrical panel.

The emergency lighting harness and associated cables shall be a part of the standard wiring harness, shall have the component plugs factory installed and shall not be add-on cables. The wiring shall terminate at all standard required lighting locations. Termination points used to provide power for fixtures exposed to the elements shall include Deutsch weatherproof connectors.

All heavy gauge power distribution cables shall conform to SAE J1127 and shall be enclosed in fire retardant nylon convoluted split loom. These cables shall be routed separate of the main wiring harness, secured independently on the interior of the module with rubber protected coated steel cable clamps and/or HD cable ties. Battery cables in the
engine compartment and routed through the fire wall shall be protected with pass-through grommets, secured with cable straps, and shall run un-broken from the battery location to the main power distribution panel.

All wires passing from the compartment door frame to the door shall be grommeted, encased in a protective flexible loom, routed and anchored to prevent the wires from being pinched in the door. Externally mounted wiring that is visible when the door is closed and not hidden in the door frame shall not be permitted or accepted.

A minimum 6-inch service loop of wire shall be provided at all electrical devices (lighting, door switches, chargers, 110-VAC, switch panels, etc.). There shall be sufficient length for two (2) terminal changes on components in the power distribution panel.

There shall be a minimum of one (1) spare switch at the front switch panel with corresponding output located in the power distribution panel. The spare output shall be designed to allow the end user/owner to make switch controlled additions to the standard system with no modifications to the chassis OEM wiring.

There shall be two (2) additional grounding straps installed one (1) on each side of the body, behind the rear axle to augment the chassis OEM provided chassis ground and the 3/0 battery cabling ground.

**ELECTRICAL TESTING**

To ensure proper balance of the electrical system output and vehicle draw, the vehicle proposed shall be provided with a post production detailed electrical load analysis generated by the apparatus manufacturer.

**LOW VOLTAGE - ELECTRICAL SYSTEM PERFORMANCE TEST**

The vehicles low voltage electrical system shall be tested and certified by the manufacturer. The certified test results shall be delivered with the completed vehicle. Tests shall be performed when the air temperature is between 0°F and 110°F (-18°C and 43°C).

**TEST SEQUENCE**

The following three (3) tests shall be performed in the order in which they appear below. Before each test, the batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10-minutes. Failure of any of these tests shall require a repeat of the sequence.

1. **RESERVE CAPACITY TEST**

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off, and the minimum continuous electrical load shall be activated for 10-minutes.

All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of re-starting the engine. Failure to re-start the engine shall be considered a test failure of the battery system.

2. **ALTERNATOR PERFORMANCE TESTS**

**TEST AT IDLE**

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

**TEST AT FULL LOAD**
The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of 2 hours. Activation of the load management system shall be permitted during this test.

An alarm sounded by excessive battery discharge, as detected by the warning system required in 13.3.4, or a system voltage of less than 11.8-vdc for a 12-vdc nominal system, 23.6-vdc for a 24-vdc nominal system, or 35.4-vdc for a 42-vdc nominal system for more than 120-seconds shall be considered a test failure.

3. LOW VOLTAGE ALARM TEST
The following test shall be started with the engine off and the battery voltage at or above 12-vdc for a 12-vdc nominal system, 24-vdc for a 24-vdc nominal system, or 36-vdc for a 42-vdc nominal system.

With the engine shut off, the total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals.

The test shall be considered a failure if the alarm does not sound in less than 140-seconds after the voltage drops to 11.7-vdc for a 12-vdc nominal system, 23.4-vdc for a 24-vdc nominal system, or 35.1-vdc for a 42-vdc nominal system.

The battery system shall then be able to re-start the engine. Failure to re-start the engine shall be considered a test failure.

DOCUMENTATION
The manufacturer shall deliver the following with the fire apparatus:
(1) Documentation of the electrical system performance tests
(2) A written electrical load analysis, including the following:
   (a) The nameplate rating of the alternator
   (b) The alternator rating
   (c) Each of the component loads specified that make up the minimum continuous electrical load
   (d) Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load
   (e) Each individual intermittent electrical load.

ELECTRICAL SYSTEM (CHASSIS OEM)
The commercial chassis electrical system shall be furnished and installed by the chassis manufacturer and shall not be altered in any way so as to void or diminish the manufacturer's warranty responsibilities. Body builder wiring interface harnesses shall be specific to the chassis being utilized and the apparatus specifications with all such harnesses, circuits and connections being documented by the body builder and made part of the electrical schematics provided with the completed apparatus.

ALTERNATOR (OEM)
The alternator shall be installed by the chassis OEM only and shall not be modified or upgraded by the apparatus manufacturer. The charging system shall not be modified in any way so as to void its chassis OEM warranty.

BATTERIES (OEM)
The chassis shall be ordered to include chassis OEM installed Maintenance Free batteries. Batteries shall be disconnected during the apparatus build process to prevent premature failure due to excessive cycling during the manufacturing process. Batteries shall be re-connected at the end of the build process as the unit becomes ready for testing and delivery. There shall be no exception to this requirement.
ELECTROMAGNETIC INTERFERENCE PROTECTION

The apparatus shall incorporate modern electrical system design, installation procedures, grounding techniques and wave generating components to provide the highest level of protection against electromagnetic interference (EMI) and radio wave frequency interference (RFI). The apparatus shall be designed to operate and correctly function in congested municipal environments as well as industrial or concentrated commercial scenes without adverse effects from either EMI or RFI. Communications equipment installed after the apparatus is delivered shall be immediately tested by the installer for reception and transmission signal quality.

REAR LICENSE PLATE HOLDER
A bright finish cast aluminum license plate holder with (3) grommet mounted Red LED lights shall be installed on the rear of the vehicle, centered at the top of the step riser panel. The license plate shall not interfere with warning, scene or directional lights and shall also serve as the ICC DOT required 3-light cluster.

BODY MARKER LIGHTS AND REFLECTORS

The side body panels shall be furnished with LED marker lights installed as follows:
(1) TecNiq S33-AA9B-I Amber marker light on each side at front top corner of the body.
(1) TecNiq S33-AA9B-I Amber marker light on each side at front bottom corner of the body.
(1) TecNiq S33-RR9B-1 Red marker light on each side at rear top corner of body
(1) TecNiq S33-RR9B-1 Red marker light on each side at rear bottom corner of body

The rear body panel, centered above the bumper, shall be furnished with LED marker lights installed as follows:
(1) TecNiq S33-RR9B1 Red marker light on each side of rear body wall, at upper corners.
(3) TecNiq S33-RR00-1 red marker lights recessed with rubber grommet.
Lights shall carry the manufacturer’s lifetime warranty.

Red and Amber reflectors with chrome bezels shall be installed and located per FMVSS requirements.

BODY STEP LIGHTS / GROUND LIGHTS

There shall be four (2) TecNiq model D07 linear LED lights installed; two (2) above the rear body platform step to provide night time visibility for personnel when climbing on and off of the rear body. Lights shall be 0.9" wide x .5" high x 2.9" long with a diffused polycarbonate lens to maximize the light pattern. The lights shall have fully encapsulated electronics; a gasket mounted polished stainless steel case and shall draw 1.9 watts.

There shall be ten (9) TecNiq model T44 LED 4" diameter lights mounted in rubber grommets beneath the following areas: (1) Each Body Compartments: L1, R1, L3, R3 – (1) Each Cab Door - (3) Rear Platform Step.

Lights shall be wired to illuminate when the Park Brake set.

Lights shall carry the manufacturer’s Lifetime warranty.

DO NOT MOVE VEHICLE - WARNING SYSTEM
A .75” diameter [Red] flashing LED light shall be installed in the cab center console to warn the driver "DO NOT MOVE VEHICLE!" whenever one of the apparatus doors is ajar or open. The warning light shall be interlocked to the parking brake and shall only alert the driver when the parking brake is released. The light shall also be used to signal that other ancillary equipment such as racks light towers etc. are not in their “ready for transport” position.

EMERGENCY LIGHT SWITCH CONSOLE

A twelve (10) position InPower model VCSM-SM10 lighted switch module shall be provided and installed within easy reach of the driver and officer. A master pre-select power switch shall be provided that shall automatically sequence on all the Fire Department pre-selected warning lights. Each switch shall be Single Pole / Single Throw, rated for 25-amps, labeled and backlit for ease of use.

TAIL LIGHTS

Rear body tail lights shall be 3” x 7” and vertically mounted on each side of the rear of the vehicle per Federal Motor Vehicle Safety Standards. The following lights shall be furnished:

- Two (2) TecNiq K-70 Series model K70-AAA0-1 Amber Arrow LED Sequential turn signal lights
- Two (2) TecNiq K-70 Series model K70-STRO-1 Red LED stop/tail lights
- Two (2) TecNiq K-70 Series model K70-WBIO-1 Clear LED back-up lights with clear lens

Lights shall carry the manufacturer’s lifetime warranty.

TAIL LIGHT MOUNTINGS

A chrome mounting trim ring shall be provided for each tail, turn and back-up light mounted on the rear of the apparatus body, for the specified lights.

DIRECT GROUNDING STRAPS

The body and pump module shall be independently and directly grounded to the chassis frame. The body shall be directly grounded on each side, to the chassis frame, behind the rear axle. Bolted connections shall be used at each end of the ground straps. Connection points shall be treated with PPG ECK anti-corrosion formula gel.

ELECTRICAL POWER DISTRIBUTION MODULES

The vehicle shall be equipped with a sealed Inpower model VCSM2-PM1 electrical power modules providing electrical systems to the fire apparatus body. The design shall provide a standardized platform for a reliable and repeatable electrical system which shall be documented and easily maintained. The power modules / switch module shall increase electrical reliability, serviceability and user confidence in the overall apparatus electrical system.

The electrical layout shall incorporate wiring harnesses that meet or exceed NFPA standards while providing centralized circuitry for right and left body harnesses, pump module harness as well as cab and engine harnesses. All harnesses entering and exiting the distribution area shall be protected by locking bulkhead connectors with sealing collars. Internal wiring terminals shall be crimped to the wire ends and all splices shall be electronically welded.

The distribution panel including all circuits shall be documented and made part of the apparatus Owner’s Manual.
AUXILIARY 12-VDC POWER SERVICE PROVISIONS

Four (4) fused 20-Amp 12-VDC circuits shall be provided; one (1) down each side of the body, with accessible 24" service loops labeled and installed in L2 and R2 side compartments for future installation of hand lights and or other similar equipment.

FORWARD CREW AREA

Six (6) Tecniq E31 High Performance Ceiling Lights shall be provided in the Forward Crew Area. Each light shall have an output 2100 lumen. Lights shall be activated when Chassis Parking Brake set.

COMPARTMENT LIGHTING

ROM strip lighting shall be installed (1) each side of the doors. The strips shall be located so as to have no blind spots. Lights shall be white. The compartment lights shall be switched automatically with the doors and shall be wired to the "Door Ajar" warning light in the cab. The lighting shall meet the requirements of current edition NFPA pamphlet 1901 Standard 13.10.5

SCENE LIGHTS

REAR SCENE LIGHTS

There shall be Two (2) TecNiq model K90 high output clear LED scene light(s) with gradient lenses installed with a chrome bezel on the rear of the body.

One (1) shall be installed at the rear, on each side of the body, one (1) on each side as high as possible.

The lights shall be controlled by a single cab mounted switch labeled "REAR SCENE".

Lights shall carry a manufacturer's lifetime warranty.

REAR SCENE LIGHT SWITCH - AUXILIARY

In addition to the switch located in the cab, the rear facing scene lights shall also be activated by the reverse gear circuit that activates the back-up lights.

SIDE SCENE LIGHTS

There shall be Four (4) TecNiq model K90 high output clear LED scene light(s) with gradient lenses installed with a
chrome bezel on the side of the body.

Two (2) shall be installed on each side of the body as high as possible.

The lights shall be controlled by a single cab mounted switch labeled "DRIVER SCENE / PASSENGER SCENE".

Lights shall carry a manufacturer's lifetime warranty.

SCENE LIGHTS - TELESCOPIC
Two (2) Fire Research Corporation (FRC) Evolution low profile LED lamp heads shall be installed on push-up style telescopic poles located on the front bulk head of the apparatus body. Each lamp shall generate 15,000 lumens of ultra bright white light. Light output shall be instant-on at full intensity and shall provide immediate restarts with no warm-up time required.

The lamp head’s parabolic reflector shall project the light directly onto the action area and also illuminate the immediate working area around the vehicle.

Lights shall be 12-volt powered, drawing 6.5-amps each and shall be rated for 50,000 hours usage. They shall be installed on an FRC model FCA SW510 aluminum telescoping pole which shall allow the lamp head to rotate 360 degrees. Lights shall be permanently wired through extra heavy-duty retractile cord and shall be controlled by a switch mounted in the cab and on the lamp head.

The push-up pole and white powder coated lightheads shall carry the manufacturer's 5-year warranty.

SIREN

ELECTRONIC SIREN / SPEAKER
A Whelen 295SLSA1 single unit 200-watt electronic siren with a hard wired noise canceling microphone, Radio Rebroadcast and Public Address functions shall be installed in the cab as directed by the Fire Department. The siren shall produce 17 scan-lock tones and shall draw a maximum of 18-amps. It shall measure 3-5/16" high x 6.0" wide x 7.0" deep. It shall have a 100-watt / 200-watt selector switch and shall perform self-diagnostics, should a malfunction occur.

(1) Whelen model SA315P composite Hi-Performance 100-watt siren speaker shall be mounted behind the front bumper on the left side with a front grille.

The siren amplifier shall carry a manufacturer's 5-Year warranty against defects in materials and workmanship.

WARNING LIGHTS

NFPA CERTIFIED WARNING LIGHTING REQUIREMENTS
The fire apparatus' optical warning system shall be capable of two (2) separate signaling modes during emergency run deployment.

The first (primary or response) mode shall be "Calling for the Right-of-Way"

The second (on-scene or stand-by) mode shall be "Blocking the Right-of-Way"

NEWBURY - WALK-IN - PRELIMINARY SPECIFICATION
06/07/19 rev -D-
Through the use of interlock circuits, the pre-selection of optical warning devices may be modified for each mode.

**WARNING LIGHT OPERATION**

The following warning lights shall meet the minimum warning light standard as presented in the current edition of NFPA pamphlet 1901Standard for Automotive Fire Apparatus. The below specified warning lights shall meet the standards for "Calling for the Right-of-Way" - signaling drivers and pedestrians that the apparatus is responding to an emergency and for "Blocking the Right-of-Way" signaling to drivers and pedestrians that the apparatus is stopped and active.

Switching between the two modes shall be accomplished automatically by a sensor on the transmission's "Park" selection or on the air brakes' system Park Brake control circuit. When the sensor operated switch is closed and the Transmission Park mode is de-selected or when the Air Park Brake is released, then the optical warning devices used for "Calling for the Right-of-Way" shall be powered.

When the sensor operated switch is closed and the Transmission Park mode is selected or when the Air Park Brake is activated, then the optical warning devices used for "Blocking the Right-of-Way" shall be powered.

The warning light system shall be activated by a single control switch located in the cab and convenient to Driver and Officer.

Warning lights shall be certified by their respective manufacturer to be in compliance with the minimum requirements of the NFPA standard for this type apparatus.

Warning light visibility shall be divided into Zones around the vehicle and each Zone shall have an Upper and a Lower component.

**EMERGENCY WARNING LIGHT PACKAGE**

The following lighting package shall be installed in compliance with the current edition of the National Fire Protection Association (NFPA) Pamphlet 1901 Fire Apparatus Standard. All warning and signal light switches shall be located inside the cab and each shall be provided with an on/off indicator light.

**UPPER ZONE LIGHTING**

**ZONE A (FRONT) UPPER**

Eight (8) TecNiQ K90 series, AutoSync LED light shall be installed on the front bulk head of the apparatus, with a chrome flange. Six (6) light heads shall have Red LEDs and a clear lens cover and two (2) light heads shall have white LEDs and a clear lens cover.

All white forward-facing emergency lights shall be automatically deactivated when the parking brake is engaged and forward lighting is in Blocking Right of Way mode.

**ZONES B and D (SIDES) UPPER**

One (1) TecNiQ K90 series, AutoSync LED light shall be installed on the right side and left side of the apparatus, at the front header panel corner with a chrome flange. The light heads shall have Red LEDs and a clear lens cover.
Newbury Department
Newbury, NH 03255
**ENGINEERING MARK UP

One (1) TecNiq K90 series, AutoSync LED light shall be installed on the right side and left side of the apparatus, at the rear header panel corner with a chrome flange. The light heads shall have Red LEDs and a clear lens cover.

ZONE C (REAR) UPPER
Two (2) TecNiq K90 series, AutoSync LED lights shall be installed on the rear upper section of the apparatus, one on each side with chrome flange. The light heads shall have Red LEDs with a clear lens.

LOWER ZONE LIGHTING

ZONE A LOWER
Two (2) TecNiq K70 series, AutoSync LED lights shall be installed at the front of the apparatus, one on each side of the grille with chrome flange. The light heads shall have Red LEDs with a clear lens.

ZONES B and D (SIDES) LOWER
One (1) TecNiq K70 series, AutoSync LED light shall be installed on the right side and left side of the apparatus, at the front fender or engine cowl with a chrome flange. The light heads shall have Red LEDs and a clear lens cover.

One (1) TecNiq K70 series, AutoSync LED light shall be installed on the right side and left side of the apparatus, at the rear fender with a chrome flange. The light head shall have Red LEDs and a clear lens cover.

ZONE C (REAR) LOWER
Two (2) TecNiq K70 series, AutoSync LED lights shall be installed on the rear lower section of the apparatus, one on each side with a chrome flange. The light heads shall have Red LEDs with a clear lens.

All Whelen LEDs shall carry the manufacturer's five (5) year warranty.
All TecNiq lighthads shall carry the manufacturer's lifetime warranty.

CREW REHAB HEATING AND AIR CONDITIONING

PROAIR – HVAC SYSTEM

One ProAir HVAC system shall be installed. The HVAC system will be driven off of the chassis components. A new compressor for the AC shall be installed on the chassis engine. The condenser for AC system will be mounted to the front bulkhead of the apparatus body below the waring lights.

The heat shall be obtained from the chassis engine coolant.

The blower unit will be mounted in the crew rehab area of the apparatus body. The exact location will be determined during the final design process of the body.

BODY PREP & FINISH

PRE-PAINT PREPARATION

After the body and components have been fabricated and assembled they shall then be disassembled prior to painting to achieve finish paint protection beneath the removable components. The body shall be totally removed from the chassis.
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**ENGINEERING MARK UP**

during the painting process to ensure the entire unit is covered. The apparatus body and components shall be metal finished as follows to present a superior substrate for painting.

All aluminum sections of the body shall undergo a four-step cleaning process starting with a Zirconium based wash to begin the cleaning and etching process. A phosphatizer shall then be applied to complete the etching process and deposit a protective film on the metal surface. The final step shall consist of a non-chromatic rinse to seal the protective film and to rinse away any excess phosphate solution. After the cleaning process, the body components shall be primed with a High Solids primer and the compartment and exterior panel seams shall be machine caulked.

**PAINT PROCESS**

The paint process shall follow the strict standards as set forth by PPG Fleet Finish Guidelines.

The body shall go through a three-stage paint process: primer coat, base coat (color), and clear coat. In the first stage of the paint process, the body shall be coated with PPG F3980 Low VOC / High Solids primer to achieve a total thickness of 2-4 mils. In the second stage of the paint process, the body shall be painted with PPG FBCH Deflect™ High Solids Polyurethane Base Coat. A minimum of two coats of color paint shall be applied to achieve hiding. In the final stage of the paint process, the body shall be painted with PPG DCU-2002 Clear Coat. A minimum of two coats shall be applied to achieve a total dry film thickness of 4 to 6-mils.

As part of the curing process, the painted body shall go through a Force Dry / Bake Cycle process. The painted components shall be baked at 185-degrees F for 3-hours to achieve a complete coating cure on the finished product.

**FINAL FINISH**

After the force dry / bake cycle and ample cool down time, the exterior coated surface shall be sanded using 3M 1000, 1200, and/ or 1500-grit sandpaper to remove surface defects. In the final step, the exterior surfaces shall be buffed with 3M super-duty compound to add extra gloss to the coated surface. No more than .5- mil of clear shall be removed in this process.

**PAINT - ENVIRONMENTAL IMPACT**

The contractor shall meet or exceed all of their State’s current regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water and soil. PPG Deflext® Evolution paint shall be free of all heavy metal (lead & chromate) components. Paint emissions from sanding and painting shall be filtered and collected. All paint wastes shall be disposed of in an environmentally safe manner. Solvents used in cleanup operations shall be collected and sent offsite for distillation for reuse.

**PAINT COLOR**

The PPG finish paint color of the body shall match the chassis OEM paint color of the cab. [RACE RED] A sample spray-out panel shall be furnished to the Purchaser for signature approval, prior to paint application.

**EXTERIOR ROLL-UP DOOR FINISH**
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**ENGINEERING MARK UP

The roll-up doors slats remain satin. The door trim components shall remain natural.

COMPARTMENT INTERIOR FINISH

The compartment interior walls, ceiling and floor shall be sprayed with an epoxy primer applied to a build-up of 3-mils after which all body seams shall be machine caulked with urethane seam sealer and then 2-step coated with textured Zolatone 20 Series finish, a durable polychromatic, modified nitro-cellulose protective coating that is VOC compliant and lead-free. Zolatone is a durable coating that resists wear from abrasion, scratching, and chipping from everyday use. The Zolatone coating color shall be #20-11 (Apollo Gray).

CREW REHAB AREA / ISLE WAY FINISH

The floor and isle way of crew rehab area will be coved with truck bed liner.

The walls and ceiling will be coated with a Zolatone coating.

COMPARTMENT TRAY FINISH

The specified compartment trays/shelves/tool boards shall be natural mill finish with all welds cleaned and dressed.

ANTI-CORROSION PROTECTION

Where dissimilar metals must be joined, overlaid, share perforations or otherwise come in contact with each other to achieve construction, performance or aesthetic requirements, such items shall be separated by a continuous contact, non-conductive coating or film to prevent or otherwise mitigate the effects of electrolysis. Only stainless steel hardware and fasteners shall be used in the construction of the apparatus. Where stainless steel fasteners pass through an aluminum component, the fastener contact surfaces, including the head, washer and nut shall be coated with ECK anti-corrosion material.

UNDERCOATING

The body and cab underside, including the sub-frame and the inside of the wheel wells shall be thoroughly coated with SWT commercial automotive undercoat and sound deadening material to protect the body module against corrosion. The coating shall be black and shall be tested to ASTM B117 Salt Spray test for 1,000 hours at 10-mils.

GRAPHICS

LETTERING AND STRIPING

Lettering shall be provided by the DEALER through a local graphics artist so that the Fire Department may make design detail decisions directly with the graphics provider. All striping shall be completed by the apparatus builder prior to final inspection and delivery of the vehicle to the apparatus Dealership.

REFLECTIVE STRIPING - SCOTCHLITE

NEWBURY - WALK-IN - PRELIMINARY SPECIFICATION 06/07/19 rev -D-
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**ENGINEERING MARK UP**

4” wide 3M Scotchlite retro reflective striping shall be affixed to the cab and body sides of the apparatus. A “Z” design with York Beach Fire choice of colors shall be installed along the roll-up door compartments. This layout will be approved by the York Beach Fire Department prior to installation.

The striping design shall be installed by a graphics artist, as directed by the Fire Department. All striping reflective material and installation shall comply with current NFPA standards. Reflective material to be installed according to manufacturer’s recommendations and any cut edges of the material shall be sealed with 3M edge sealer.

**REFLECTIVE STRIPING - REAR**

The entire back of apparatus, except the roll-up door, shall be covered with 3M Diamond Grade™ reflective material in an alternating color, chevron pattern. Chevron stripes shall each be 6” wide, alternating Red and Yellow, configured in an “A” pattern. All reflective material and installation shall comply with current edition NFPA pamphlet 1901 standards. Reflective material shall be installed in compliance with manufacturer’s recommendations. All cut edges of the reflective striping material shall be sealed with 3M edge sealer. The striping layout shall be approved by the Fire Department.

**REFLECTIVE STRIPE - CAB DOOR INTERIOR**

Each cab door interior panel shall have a 4” wide White reflective stripe meeting the requirements of the current NFPA standards.

**WARRANTY**

**BASIC WARRANTY**

The apparatus body manufacturer shall warrant its products to be free from defects in materials and workmanship. A One (1) Year parts and labor limited warranty shall be provided by the apparatus body manufacturer to the first purchaser/user of the apparatus per the terms and conditions stated in the apparatus body manufacturer’s warranty certificate. This warranty shall pertain only to apparatus body manufacturer’s parts and accessories and installation only of trade components and systems. All product warranties by OEM component and system manufacturers shall be extended to the purchaser and documented by the apparatus body manufacturer.

**STRUCTURAL WARRANTY**

The apparatus body manufacturer shall warrant its Aluminum body structure, including panels and sub-frame, against bending, cracking, twisting or otherwise deforming for a period of Ten (10) Years from date of shipment per the terms and conditions stated in the apparatus body manufacturer’s warranty certificate.

**PAINT WARRANTY**

The apparatus body manufacturer shall warrant the paint and primer for a period of Five (5) Years from the date of delivery to the original purchaser, per the terms and conditions stated in the apparatus body manufacturer’s warranty certificate. The warranty shall cover labor and materials deemed necessary by the apparatus body manufacturer to repair or repaint any area of the vehicle painted by the apparatus body manufacturer which shows evidence of peeling, cracking, blistering, significant loss of gloss, or perforation due to defects in preparation, materials or workmanship.

NEWBURY - WALK-IN - PRELIMINARY SPECIFICATION

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**ENGINEERING MARK UP**

CORROSION WARRANTY

The apparatus body manufacturer shall warrant the body material for a period of Ten (10) Years from the date of delivery to the original purchaser, per the terms and conditions stated in the apparatus body manufacturer's warranty certificate. The warranty shall cover labor and materials deemed necessary by the apparatus body manufacturer to repair any area of the body and sub-frame undercoated and painted by the apparatus body manufacturer which corrodes to the point of perforation due to improper undercoating, paint preparation, paint application, materials, fabrication or workmanship.

PLUMBING WARRANTY

The apparatus manufacturer shall warrant its stainless steel piping and high pressure hose with stainless steel fittings, against leakage or burst failure for a period of Ten (10) Years from date of delivery to the first purchaser per the terms and conditions stated in the apparatus manufacturer's warranty certificate.

HALE PUMP WARRANTY

EXPRESS WARRANTY: Hale Products, Incorporated ("Hale") hereby warrants to the original buyer that products manufactured by Hale are free of defects in material and workmanship for a period of five (5) years from the date the product is first placed into service. Hale, whichever period shall be first to expire. Within this warranty period Hale will cover parts and labor for the first two (2) years and parts only for years three (3) through five (5).

KUSSMAUL ELECTRONICS WARRANTY

All products manufactured by Kussmaul Electronics Company Inc. are warranted to be free of defects in material and/or workmanship. Kussmaul Electronics shall repair or replace without charge, any material or defects which become apparent in normal use within the specified warranty period.
All Electronic items are warranted for Three (3)-years except that
Auto and Air Ejects are warranted for Two (2)-years and
Auto Pumps are warranted for One (1)-year

ROM COMPARTMENT ROLL-UP DOOR WARRANTY

The "R<OM" compartment doors and integral LED strip lighting shall be warranted to be free from manufacturing defects for a period of seven (7) years from date of purchase provided that the products are used under conditions of normal use.

FIRE RESEARCH PRODUCTS WARRANTY

Warranty Policy (Except LED Lighting Products)
All Fire Research Corporation (FRC) products shall be warranted against defects in material and workmanship for a period of two (2) years from the original date of delivery. (For products not put immediately into service, a 90 day grace period from the original date of purchase shall apply.) Any product proven to be defective during the warranty period and covered by the terms of this warranty shall be repaired or replaced (at the discretion of FRC) without charge.

Warranty Policy LED Lighting Products

NEWBURY - WALK-IN - PRELIMINARY SPECIFICATION 06/07/19 rev -D-
All Fire Research Corporation (FRC) LED lighting products shall be warranted against defects in material and workmanship for the period of five (5) years from the original date of delivery. (For products not put immediately into service, a 90 day grace period from the original date of purchase shall apply.) Any product proven to be defective during the warranty period and covered by the terms of this warranty shall be repaired or replaced (at the discretion of FRC) without charge.

TECNIQ AUTOMOTIVE LED LIGHT WARRANTY

TECNIQ INC. shall provide a Lifetime Limited Warranty to the original purchaser/user stating that the TECNIQ INC. LED Lamps purchased are free from defects in workmanship and/or materials only. TECNIQ INC. shall replace any TECNIQ INC. LED lamp to the original consumer/purchaser if the lamp fails due to defects in workmanship and/or materials only.

WHELEN WARNING LIGHT / SIREN WARRANTY

Whelen products shall be covered by a direct warranty for up to a maximum two (2) years from date of purchase (not to exceed three years from date of manufacture), with proof of purchase. In accordance with the policy statement described herein, the unit may be returned directly to the factory or to an Authorized Whelen Repair Center® for warranty consideration. Whelen siren speakers, when used with a Whelen siren amplifier, are covered by a 2 year warranty from the date of manufacture. Heavy-Duty motor assemblies (so marked) are covered by a direct warranty for up to three years from date of manufacture. For warranty consideration, both the siren speakers and motor assemblies are subject to the conditions and steps described herein.

WHELEN HDP® / 5 YEAR WARRANTY

Whelen Automotive Non-Lightbar Strobe Power Supplies, LED Ballasts and LED Products bearing the official HDP label and manufactured to HDP standards shall be covered by a direct warranty for up to five (5) years from date of manufacture. In accordance with the policy statement described herein, the unit may be returned directly to the factory or to an Authorized Whelen Repair Center® for warranty consideration.

UPF TANK WARRANTY

United Plastic Fabricating, Inc. (hereinafter called “UPF”) warrants each POLY-TANK®, Booster/Foam Tank POLYSIDE® Wetside Tank, Integrator Tank/Body, ELLIPSE™ Elliptical Tank, Ellip-T-Tank Tank and DEFENDER™ Skid Tank to be free from defects in material and workmanship for the service life of the original vehicle (vehicle must be actively used in an emergency response for fire suppression). All UPF Tanks must be installed and operated in accordance with the UPF Installation and Operating Guidelines.

MANUALS

Two (2) sets of the apparatus manufacturer's Operation and Maintenance manuals shall be delivered with the completed vehicle. Manuals shall cover the completed apparatus as delivered, including but not limited to the chassis, pump, tank, on-board systems, wiring diagrams, and any other documents or technical data referencing the apparatus. All contributing OEM warranties and/or guarantees shall also be included with the manuals.
One (1) chassis OEM provided Owner’s Manual shall be delivered with the completed unit. The manual shall include detailed warranty coverage information and chassis warranty claim procedure.
June 2, 2019

Chief Henry Thomas Jr.
Newbury Fire Department
PO Box 373, 952 Route 103
Newbury, NH 03255

Chief Thomas;

I am pleased to provide your department with a final and formal quotation for a new walk-in rescue truck. These specifications represent the cumulative efforts of your department, our dealership, and the factory through numerous revisions.

With all these revisions and efforts these capture all the items you have requested in a detailed and efficient manner. The use of space should provide your department with much more working area than your present rescue while also being compact enough to fit in you smaller roads.

The vehicle as specified has a total price, including all delivery, lettering, and training of $191,816 with a 12 volt vehicle powered HVAC system

We also are providing a few options:

- Remove awning- Save $900
- Add Velvac mirrors in place of Ford mirrors- Add $1545
- Option #1 Inverter and 110 powered HVAC in place of 12 volt system-Add $3700
- Option #2 On board generator powered HVAC in place of 12-volt system-Add $2000

We very much hope to have the opportunity to build this truck for your department. It has been an enjoyable experience to design these specifications to meet your specific needs.

Sincerely;

Chris Champagne

www.greenwoodEV.com
From: Casey Bunker caseyb@autotronics.net
Subject: Price
Date: May 28, 2019 at 5:41:46 PM
To: Hank Thomas newburyc1@aol.com, Wayne Whitford wrwhitford@aol.com

Chief,

As is if ordered today the price for the truck is $222,000. Obviously as time passes some prices can increase(probably wont). That being said worst case if we waited a couple months to order or go to bid the truck could get to $225,000.

Let me know your thoughts.

Thank you,

Casey Bunker

Autotronics Sales Representative
Territory: New Hampshire
Cell: (207) 436-4962
Service Office: (207) 947-9897
Fax: (207) 947-6166
NEWBURY FIRE & RESCUE DEPARTMENT

One (1)

INTENT OF SPECIFICATIONS

It is the intent of these specifications to cover the furnishing and delivery to the Newbury Fire & Rescue Department of a complete fire apparatus equipped as hereinafter specified. With the view of obtaining the best results and the most acceptable apparatus for service, these specifications cover only the general requirements as to the type of construction and tests to which the apparatus must conform, together with certain details to furnish equipment and appliances with which the successful bidder must conform. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor who shall be solely responsible for the design and construction of all features. The NATIONAL FIRE PROTECTION ASSOCIATION pamphlet #1901 current edition for Motor Vehicle Apparatus, unless otherwise specified in these specifications shall prevail.

ONLY THE SPECIFIED FIREFIGHTING SUPPORT EQUIPMENT LISTED IN THESE SPECIFICATIONS SHALL BE PROVIDED.

The apparatus shall conform to all Federal motor vehicle safety standards.

Bids will only be considered from companies that have an established reputation in the field of fire and/or rescue apparatus manufacturing.

Each bid must be accompanied by a set of detailed contractors specifications consisting of a detailed description of the apparatus and equipment proposed. These specifications shall include size, location, type, and model of all component parts being furnished. Detailed information shall be provided on the materials used to construct all facets of the apparatus body. Any bidder who fails to submit detailed construction specifications shall be considered non-responsive and shall render their proposal ineligible for award.

Each bidder shall furnish a computer generated weight and balance analysis for the unit being proposed. It shall address individual and combined axle weights and include an analysis on the vehicle's center of gravity. It shall also include a figure for excess payload capacity. Any bidder who fails to submit the weight and balance analysis in this format shall be considered non-responsive and shall render their proposal ineligible for award.

Each bidder shall furnish satisfactory evidence of the ability to construct the apparatus specified, and shall state the location of the factory where the chassis and apparatus will be built. They shall also show that they are in a position to render prompt service and to furnish replacement parts for the completed apparatus chassis, body and components.

The manufacturer shall specify in his bid the number of working days and/or calendar days after acceptance of the formal contract by the manufacturer that the completed apparatus will be delivered by the purchaser. The manufacturer will not be held liable for changes arising from its failure to make or delay in making deliveries because of fire, flood, riot, major component shortage, accidents, acts of God, or any circumstances beyond their control.

WALK-IN RESCUE

05/28/19

1
NEWBURY FIRE & RESCUE DEPARTMENT

QUALITY AND WORKMANSHIP

The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points:

1. Accessibility of the various components which require periodic maintenance or monitoring
2. Ease of vehicle operation (pumping and driving)
3. Visibility for the driver
4. Symmetrical proportions

Construction must be rugged and design must be certified to carry the loads as specified and to meet the road and speed requirements as set forth under "PERFORMANCE TESTS AND REQUIREMENTS" of NFPA Pamphlet #1901 current edition.

Welding shall not be employed in the assembly of the apparatus in a manner that will prevent the removal of major components for service and/or repair.

DESIGN

The successful bidder shall be solely responsible for the design, construction and material used in the construction of the vehicle. The apparatus shall be of the latest design and type while using the most current industry construction techniques.

Each bidder shall supply with their bid a detailed drawing consisting of the driver side, passenger side and rear views of the apparatus. This drawing shall be representative of the apparatus being bid. The drawing must include but not be limited to all principle dimensions (height/width/length). Pictures or brochures are also encouraged that represent the quality of construction being proposed.

The apparatus, assemblies, component parts, etc., shall be designed and constructed with consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to be subjected.

The apparatus shall be designed with great consideration given to overall vehicle weight and weight distribution. A computerized weight distribution calculation shall be included with the bid. A calculation shall include the chassis weight with all fluids and fuels topped off, estimated body weight, a 250-lb. allowance per seat for personnel and a 2,500 lb. distributed load allowance for equipment. Any bidder who fails to submit weight and balance calculations shall be considered non-responsive and shall render their proposal ineligible for award.

The apparatus shall be designed and constructed so component parts can be removed for service and repair with standard tools. Any special tools needed to service any component of the apparatus built or supplied by the component manufacturer shall be supplied with the apparatus. During the design and construction the apparatus manufacturer shall take into consideration the ease of access to various areas requiring lubrication, inspection, service or adjustment.

The design and materials must be of the highest quality in its respective field. Quality control inspections shall be performed at each step of the manufacturing process.
The manufacturer shall meet the minimum requirements of NFPA Pamphlet 1901 current edition, The Underwriter's Laboratories, Inc. and all State and Federal Department of Transportation vehicle regulations at the time of the bid for this apparatus.

**ROAD TEST**

All road tests will be performed per NFPA Pamphlet #1901 current edition requirements.

**LIABILITY**

The successful bidder shall defend any and all suits and assume all liability for use of any patented process, device or article forming a part of the cab and chassis, or any appliance under the contract.

**DELIVERY and DELIVERY DATA REQUIRED**

1. The completed apparatus shall be delivered at the point of final manufacture.

2. The successful bidder's representative shall remain at the Fire Department until released by the Fire Chief or Commission during which time he shall instruct Fire Department personnel in the proper operation, care and maintenance of the complete apparatus.

Information required at time of delivery to be supplied by the manufacturer:

A. Manufacturer's statement of origin

B. Electrical "as built" schematic booklet

C. Final build data sheet showing serial numbers for the following:
   1. Cab and chassis VIN
   2. Engine serial number
   3. Transmission serial number
   4. Apparatus/Body serial number

D. One copy of a complete operations and general maintenance instructions as delivered, including but not limited to the chassis, engine, transmission, axles, lubrication charts, rescue body and appropriate accessories.

E. The Underwriters Laboratories Incorporated test Certification shall be provided on delivery of the apparatus.

F. The successful bidder shall supply all data required in NFPA Pamphlet #1901 current edition chapter 14 -20.

**EXCEPTIONS TO SPECIFICATIONS**

Each bidder response shall include a returned copy of this Request for bid with the yes/no columns checked for compliance to specifications.

All exceptions, no matter how minor must be marked in the "NO" column.
NEWBURY FIRE & RESCUE DEPARTMENT

Those exceptions shall be listed on a separate sheet and shall refer to specification page number and paragraph. It will be mandatory for any perspective bidder that deviates from the proposed specifications, to give a full description of all deviations.

Bidder and his/her manufacturer being represented will be held responsible for deviations not specifically addressed or approved by the Fire Department. Items not addressed will be considered as being bid with no exception and will be included on the apparatus in the form presented in our specifications. Non-compliance will be grounds for rejection of the completed vehicle - NO EXCEPTION.

Failure to follow this method will add a considerable time to the bid review process and may be cause for rejection of the bid.

The purchaser will not consider proposals or demonstrators taking total exception to the bid specifications.

Where bidder’s specifications and/or construction differ in any way from the bid specification, a full and complete description in the specification will be required. Drawings will also be required to show alternative construction methods. Partial descriptions or general clarifications covering groups or sections of the specifications will be unacceptable.

CLARIFICATIONS TO SPECIFICATIONS

Clarifications shall refer to specification page number and paragraph. Any such clarification that appears vague or misleading shall be considered an exception. Complete clarifications are required describing the reason for the deviation. Apparatus will be inspected upon delivery for compliance with specifications.

CONTRACT AWARD

The purchaser reserves the right to reject any or all bid proposals and purchase the equipment it deems most suitable to its needs. Since all components and materials are commercially available these specifications shall in no way be considered proprietary.

Price shall be based on payment upon receipt of the completed apparatus by the purchaser. No discounts or prepayment schedules shall be listed on the proposal page. All bidders are required to detail any payment terms for the apparatus and these terms shall be listed on a separate page entitled OPTIONS. These options may or may not be considered at the discretion of the purchaser.

All bids shall remain valid for 30 days after opening.
NEWBURY FIRE & RESCUE DEPARTMENT

PAYMENT TERMS

The Purchaser agrees to purchase and pay cash for the apparatus and miscellaneous equipment pursuant to the following terms and conditions:

1. All prices shall be less any taxes.

2. The final payment for the apparatus shall be paid upon delivery and acceptance by the fire department per enclosed payment terms. An invoice shall be presented on or before delivery of the apparatus.

3. The apparatus, without exception, shall not be placed "in Fire Service" prior to full payment of apparatus.

SUBMISSION OF BIDS

Bids shall be submitted in accordance with the following instructions:

1. The bidder's proposed specifications shall be provided in full. Any deviations and clarifications shall be clearly marked.

2. The bidder's proposed specifications detailing their construction methods shall be provided. This is necessary to evaluate each bidder's actual intent of building the equipment as specified herein.

☐ ☐ The bidder's proposed format shall be the same as these specifications to allow the customer to easily compare the bids; NO EXCEPTIONS.

☐ ☐ Bids are to be submitted in the same order as our specifications; NO EXCEPTIONS.

3. Bids shall be returned in a sealed envelope clearly marked "BID FOR FIRE APPARATUS".

4. The purchaser reserves the right to accept or reject any and all bids, to waive irregularities and to make the award in any manner deemed to be in their best interest.
NEWBURY FIRE & RESCUE DEPARTMENT

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Answer</th>
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<tbody>
<tr>
<td><strong>NFPA REQUIRED ITEMS</strong></td>
<td>Y_N</td>
</tr>
<tr>
<td>The purchaser shall be responsible for providing all equipment items required by NFPA pamphlet 1901 that are not otherwise indicated or addressed in these specifications.</td>
<td></td>
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<tr>
<td><strong>SINGLE SOURCE BODY BUILDER AND CONSTRUCTION</strong></td>
<td>Y_N</td>
</tr>
<tr>
<td>The apparatus manufacturer shall be the prime (single source) builder of this severe duty all aluminum fire apparatus quality body.</td>
<td></td>
</tr>
<tr>
<td>All engineering, design, fabrication, testing, paint and finish shall take place at the apparatus manufacturer's privately owned top tiered manufacturing facility. <strong>NO EXCEPTIONS</strong></td>
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<tr>
<td>Bodies that are mass produced from lower quality materials such as thin stamped utility style designs, bolted together designs or those that are manufactured by a third party for the apparatus manufacturer shall be considered sub-standard and shall not be acceptable for this project. <strong>NO EXCEPTIONS</strong></td>
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<tr>
<td>The body shall be designed and manufactured entirely from formed and welded aluminum plate and aluminum extrusions to ensure a high quality design and finish that shall provide years of uninterrupted service. Bodies that incorporate steel as structural support or that utilizes steel in any way shall be considered sub-standard and shall not be acceptable for this project. <strong>NO EXCEPTIONS</strong></td>
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<tr>
<td><strong>COOPERATIVE PURCHASING</strong></td>
<td>Y_N</td>
</tr>
<tr>
<td>The apparatus manufacturer shall honor the specifications and pricing of this proposed build for other agencies that wish to purchase similar apparatus through cooperative purchasing.</td>
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<tr>
<td>Changes of chassis, year model, equipment and/or additional change orders shall be reflected in the new contract.</td>
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<tr>
<td><strong>CONSTRUCTION DRAWINGS</strong></td>
<td>Y_N</td>
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<tr>
<td>A basic drawing will be included with the proposal. Upon award a fully detailed drawing will be supplied to the Fire Department. The drawing shall be signed and returned to the manufacturer and kept on file for future reference.</td>
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<tr>
<td><strong>PRECONSTRUCTION CONFERENCE</strong></td>
<td>Y_N</td>
</tr>
<tr>
<td>The prime contractor will have a Pre-Construction Conference prior to any manufacturing. The purpose of meeting is to finalize all construction details. The location shall be at the fire department or dealer center. The selling dealer and/or representative will be present at the pre-construction conference.</td>
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</tbody>
</table>
NEWBURY FIRE & RESCUE DEPARTMENT

PERIODIC APPARATUS INSPECTIONS
At any time during the build process, representatives of the department are always encouraged to visit the factory at any time during business hours to check-in on the progress of their new custom built apparatus. A factory representative will always be on site to give updates and let department members see their truck as it is being built.

Appointments are never necessary for these periodic visits, but for safety reasons we do ask that you arrive wearing appropriate clothing in order to enter the fabrication areas. Eye protection and additional safety equipment will be provided as needed.

All expenses to be covered by the visitors.

PROGRESS PICTURES
Progress pictures will be provided once body has started construction. Pictures will be provided throughout each phase of construction, paint and assembly.

DELIVERY
The completed apparatus will be delivered under its own power to the customer's designated location by the dealer. A delivery technician will accompany the apparatus.

Apparatus review will be provided by an authorized representative of the manufacturer as prescribed by the customer.

SEATING CAPACITY PLATE
A permanent plate indicating seat belt use and occupancy shall be installed in a visible location.

HELMET WARNING PLATE
A permanent plate stating "DO NOT WEAR HELMET" shall be installed in a visible location.

FLUID CAPACITY PLATE
A permanent plate listing all fluids and capacities shall be installed in a visible location.

OVERALL HEIGHT PLATE
A plate indicating overall height, overall length, overall width and the vehicle GVRW shall be installed in a location visible to driver.

TAILBOARD PLATE
A permanent plate shall be installed at the rear indicating "DO NOT RIDE ON REAR STEP".

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NEWBURY FIRE & RESCUE DEPARTMENT

One (1) FORD COMMERCIAL CHASSIS

2020 Ford F550 Regular Cab Chassis 4x4
169" Wheelbase 84" CA

Selected Options:
- 6.7L Diesel V8 engine
- Aft axle fuel tank
- 18,000# GVWR
- Heavy Duty alternator
- 4.10 regular axle ratio
- PQ Race Red Vinyl bucket seats
- 225/19.5 All Season tires
- Electronic shift on the fly
- Power Equipment group — power windows, power heated mirrors, power Door locks, remote entry

Standard Equipment:
- Powertrain/Functional
  - 6.8L 3 valve gasoline V10 Engine/TorqShift 6 Speed Automatic Transmission
  - Alternator - 240 amp HD w/6.8L, 220 amp Extra HD w/ 6.7L Diesel
  - Brakes- 4 Wheel Anti-lock, Power Front/Rear Disc
  - Battery- 750 CCA/78 AH Gas, Dual 750 CCA/78 AH 6.7L Diesel
  - Fuel Tank — 40 Gallon Aft Axle
  - Shock Absorbers Gas Heavy Duty
  - Springs, rear auxiliary
  - Stabilizer Bar- Front & Rear
  - Stationary Elevated Idle Control
  - Steering — Power w/damper
  - Tow Hooks- Front
  - Trailer Wiring 7 wire harness w/relays, blunt cut w/ labels
  - Transfer Case — Manual w/manual locking hubs — 4x4

Interior
- Air Conditioning
- Cabin air particulate filter
- 2 auxiliary power points in instrument panel
- Dome Lamp w/map lights- LH/RH door activated
- Floor covering — full length black vinyl w/insulation
- Grab Handles- Driver & Passenger — over rear doors on Crew Cab
- Headliner-color coordinated cloth w/dual sun visors
- Horns — dual electric
- Hood Release - inside
- Instrumentation — tachometer, speedometer, oil pressure gas/turbo diesel, coolant temperature, transmission temperature, fuel gauge, and 2.3" productivity screen w/ trip odo & engine hour meter
- Outside temperature display
- Radio- AM/FM Stereo w/digital clock & 2 speakers
- Seat- Heavy Duty Vinyl 40/20/40 split bench w/center armrest
- Steering column — tilt & telescoping
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Wipers – Intermittent
Upfitter Switches - 6 in overhead console

Exterior
Front bumper and grille – black painted
Quad beam halogen jewel effect headlamps w/auto lamp
Glass-solar tinted
LED Roof Marker/Clearance Lights
Mirrors – Telescoping Dual Fold Away w/Spotter mirror
Wheels/Tires – 6 Steel-225/70Rx19.5G BSW All Season

Safety/Security
Advance Trac w RSC (roll stability control)
Air Bags – driver & passenger with side and curtain
Air Bag deactivation switch, passenger side (not w/ crew cab)
Safety Belts – Dual with height adjustable shoulder harness

2018 #s 2019 N/A Horsepower Torque
6.8L V10 Gas 288 @ 4000 RPM 424 ft lbs @ 3000 RPM
Optional 6.7L Diesel 330 @ 2600 RPM 750 ft lbs @ 2000 RPM

CHASSIS WARRANTY

The chassis shall be warranted by the chassis manufacturer per the terms outlined in the detailed warranty document. The warranty will be provided with the completed apparatus.

CHASSIS SETUP

The chassis shall have adjustments made to insure the proper configuration for accepting pumps and/or bodies. This shall include the repositioning air tanks, frame cross members, step adjustments, etc.

CAB RUNNING BOARDS

There will be two (2) aluminum open grit running boards provided and mounted to the chassis cab. The running boards will run from the front wheel well to the back of the chassis cab, one (1) each side. The running boards shall be powder coated black.

SCBA SEATS

Two (2) NFPA Bostrom Tanker 400CT Fold & Hold SCBA seats shall be supplied and installed. Each seat shall be equipped with a SecureAll SCBA bracket.

Location: Rear facing with back against forward wall of rescue body

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One (1)  
**BATTERY CONDITIONER**

A Pro-Power PRO-1 single battery conditioner will be installed in a dry, protected area of the apparatus. The maximum output will be 15 amperes, supplied as required to the battery system. When fully charged, the conditioner will shut down.

☐ The conditioner will be wired to the 120-V shore power inlet.

One (1)  
**SHORE POWER RECEPTACLE**

A KUSSMAUL 20-amp super auto-eject type receptacle shall be provided. This receptacle shall eject the male shore line from the apparatus when the engine starter switch is energized. The receptacle will be provided with a weather-proof cover. An appropriate end shall be provided.

Location: Driver side step area

One (1)  
**WEATHER PROOF COVER**

The cover for the shore power receptacle shall be Yellow in color.

One (1)  
**BACKUP ALARM**

There shall be an electronic beeper that sounds when the truck is placed in reverse. The beeper shall be heard over all engine noise to warn persons on or near the truck.

One (1)  
**CONSOLE / STORAGE BOX**

A Plastix Plus Poly console and storage box will be installed between the driver and officer seats of the commercial chassis.

The apparatus switch box, siren and other accessories will be installed on the top face of the box with recessed brackets.

There shall be a storage area towards the back of the top face for books and binders. A padded hinged lid shall be provided.

Two (2) cup holders shall be included in the console rear of the accessories and forward of the storage box.

The console exterior shall be black.

One (1)  
**TRAILER HITCH**

There shall be a Class III trailer hitch securely installed to the rear frame rails. There shall be a 12V power point supplied with weatherproof cover.

One (1)  
**TRAILER WIRING**

Wiring to accommodate the trailer hitch shall be installed on the apparatus. A weather resistant cover shall be included.

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EXTRUDED ALUMINUM BODY SUPERSTRUCTURE

The body subframe is to be entirely welded, constructed of 6061-T6 extruded aluminum tubing with minimum dimensions of 3"x3"x3/8", 2"x3"x1/4" and 1"x3" solid. All vertical components are to be reinforced to the substructure with 2"x3"x1/4" 6061-T6 TUBULAR gussets at strategic points to assure structural integrity.

The body sides are to be constructed from 2"x3"x1/4" 6061-T6 structural aluminum tubing welded to form a continuous support matrix for the hose body and compartments. The interior components will be welded along perimeter and along each side for additional support.

The upper body side panels shall be constructed with a single sheet to present a seamless construction and maximum corrosion protection.

Fender liners will be independent from the compartment sides to provide maximum corrosion and impact protection. Wheelwell fastening support angles shall be welded and be made from 1" x 1" x 1/4" angle.

The apparatus body shall be entirely independent from the chassis frame. It is to be attached to the frame over 1/2" x 3" 60# rubber pads running the full length of body. The unit is to be designed so as to be removable from the chassis in the event of future chassis replacement.

EXTRUDED ALUMINUM APPARATUS BODY

The apparatus body compartments are to be constructed from 1/8"-3/16" aluminum alloy. All compartments are to be formed and welded to the substructure and sidewalls. Lower compartment floors are to be fitted with hat section supports to allow for loading of heavy equipment.

COMPARTMENTATION:

Each compartment shall be "sweep-out" style. The compartments shall not share a common wall and shall be individually vented.

An extruded aluminum drip rail is to be installed above each side compartment and rear above the main compartment entrance.

All standing, stepping, and walking surfaces will meet the NFPA 1901 requirements for slip resistance. All aluminum treadplate will be Alcoa No-Slip type.

The body top is to be constructed from 1/8" (.125) diamondplate aluminum tread plate material.
NEWBURY FIRE & RESCUE DEPARTMENT

The compartments shall be divided as follows:

SIDE:

There shall be two (2) compartments ahead of the rear wheels, one (1) each side. The driver side compartment shall be approximately 55" wide x 58" high x 24" deep. The passenger side compartment shall be approximately 30" wide x 77" high x 24" deep.

There shall be two (2) compartments over the rear wheels, one (1) each side. The compartments will be approximately 41" wide x 34" high x 24" deep.

There shall be two (2) compartments behind the rear wheels, one (1) each side. The compartments shall be approximately 47" wide x 58" high x 24" deep.

REAR RESCUE COMPARTMENT

There shall be one (1) walk in compartment in the rear of the apparatus with a vertically hinged double door. The compartment shall be approximately 44" wide x 74" high x 118" deep.

BODY ENTRANCE DOORS

Rear Doors:

There shall be two hinged doors installed at the rear of the apparatus to allow access to the interior of the rescue box. Each door shall have one (1) non-opening window. The exterior door handles shall be Eberhard ambulance style at a reachable height from the ground.

There shall be a grab handle installed on the inside of each rear door for assisting when entering and exiting the vehicle.

Each rear door shall also have exterior door grabbers to hold the doors in the fully open position.

Side Door:

There shall be a front hinged door installed behind the R1 compartment on the curb side to allow access to the interior of the rescue box. The door shall be equipped with one (1) non-opening window, near the top.

The exterior door handle shall be flush style Eberhard and the door shall have a gas shock that holds the door open at 90 degrees.

There shall be a grab handle installed on the inside of the door for assisting when entering and exiting the vehicle.

INTERIOR

The floor of the rescue box shall be covered with a multi-layer mat consisting of 0.25 inch thick sound absorbing closed cell foam with a 0.06 inch thick non-slip vinyl surface with a pebble grain finish. The covering shall be held in place by a pressure sensitive adhesive
NEWBURY FIRE & RESCUE DEPARTMENT

and aluminum trim molding. All exposed seams shall be sealed with silicone caulk matching the color of the floor mat to reduce the chance of moisture and debris retention.

The interior cabinets and seat boxes shall be constructed from aluminum.

INTERIOR COMPARTMENTS

Above the exterior body side compartments shall be interior pigeon hole style compartments with releasable webbing covers. The webbing covers shall be hinged at the bottom and latched at the top. The compartments shall be sized per the departments specifications and shall include adjustable tracking and adjustable shelf(s).

One (1) Y____N____

ROOF CONSTRUCTION

The apparatus body and roof panel construction shall be integral, and reinforced for maximum strength. The roof shall be 1-8"-3/16" 3003-H-12 aluminum tread plate fastened to the interior roof members with roof cross members every 16" for added strength. The roof perimeters shall be constructed of aluminum radius extrusions. The roof sheeting shall extend past the body and bend down slightly to act as the drip molding for protecting the body. The roof members shall be 2" x 2" x 3/16" wall square tubing welded in place on approximately 16" centers and supported by the side vertical wall members.

One (1) Y____N____

SUPERSTRUCTURE AND BODY WARRANTY - LIFETIME

The manufacturer shall warrant to the original purchaser that the apparatus superstructure and body is structurally sound and free of all structural defects of workmanship and material and further warrants that it will maintain its structural integrity for the life of the apparatus. This warranty shall not pertain to issues of paint finish, hardware, moldings or accessories. The warranty shall terminate upon transfer of possession or ownership by the original purchaser.

One (1) Y____N____

L1 COMPARTMENT

• The following is a description of items included with the compartment.

One (1) Y____N____

ROLL UP DOOR - BRUSHED

ROM series 4 roll-up door will be installed in this compartment. The shutters will be constructed from extruded aluminum with a brushed finish. Internally sealed for weather resistance and quiet operation. Rubber seals will be installed on the vertical components. The door will close/lock with a combination handle/locking bar on the exterior at the bottom.

The door will roll-up in the top of the compartment to allow for maximum use of the compartment interior.

Lighting will be located on the vertical compartment walls for maximum effectiveness.

One (1) Y____N____

ROLL UP DOOR SILLS

An extruded aluminum door sill shall be provided for each roll up door.

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One (1)

ADJUSTABLE SHELF TRACKING

There shall be tracking installed in one (1) compartments to accommodate the installation of adjustable shelves and/or roll-outs. The tracks shall be installed vertically on the compartment divider and walls of the compartment.

One (1)

ADJUSTABLE SHELVES - FULL DEPTH

There shall be three (3) adjustable shelves made from 3/16" aluminum with 2" sides provided and installed on the adjustable tracking.

One (1)

VERTICAL COMPARTMENT DIVIDER

A bolt in vertical compartment divider fabricated from 3/16" aluminum shall be provided and installed with angles at the top and bottom of the compartment.

Location: Centered from side to side unless otherwise noted

One (1)

LED COMPARTMENT LIGHTS

Two (2) extruded aluminum LED strip lights shall be installed in the compartment. The strip lights shall be installed in a vertical position and run the full height of the compartment, one (1) each side.

One (1)

L2 COMPARTMENT

- The following is a description of items included with the compartment.

One (1)

ROLL UP DOOR - BRUSHED

ROM series 4 roll-up door will be installed in this compartment. The shutters will be constructed from extruded aluminum with a brushed finish. Internally sealed for weather resistance and quiet operation. Rubber seals will be installed on the vertical components. The door will close/lock with a combination handle/locking bar on the exterior at the bottom.

The door will roll-up in the top of the compartment to allow for maximum use of the compartment interior.

Lighting will be located on the vertical compartment walls for maximum effectiveness.

One (1)

ROLL UP DOOR SILLS

An extruded aluminum door sill shall be provided for each roll up door.

One (1)

ADJUSTABLE SHELF TRACKING

There shall be tracking installed in one (1) compartment to accommodate the installation of adjustable shelves and/or roll-outs. The tracks shall be installed vertically on the walls of the compartment.

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One (1)

**ADJUSTABLE SHELF- FULL DEPTH**

There shall be an adjustable shelf made from 3/16" aluminum with 2" sides provided and installed on the adjustable tracking.

One (1)

**LED COMPARTMENT LIGHTS**

Two (2) extruded aluminum LED strip lights shall be installed in the compartment. The strip lights shall be installed in a vertical position and run the full height of the compartment, one (1) each side.

One (1)

**L3 COMPARTMENT**

The following is a description of items included with the compartment.

One (1)

**ROLL UP DOOR - BRUSHED**

ROM series 4 roll-up door will be installed in this compartment. The shutters will be constructed from extruded aluminum with a brushed finish. Internally sealed for weather resistance and quiet operation. Rubber seals will be installed on the vertical components. The door will close/lock with a combination handle/locking bar on the exterior at the bottom.

The door will roll-up in the top of the compartment to allow for maximum use of the compartment interior.

Lighting will be located on the vertical compartment walls for maximum effectiveness.

One (1)

**ROLL UP DOOR SILLS**

An extruded aluminum door sill shall be provided for each roll up door.

One (1)

**ADJUSTABLE SHELF TRACKING**

There shall be tracking installed in one (1) compartment to accommodate the installation of adjustable shelves and/or roll-outs. The tracks shall be installed vertically on the walls of the compartment.

One (1)

**ADJUSTABLE SHELF- FULL DEPTH**

There shall be an adjustable shelf made from 3/16" aluminum with 2" sides provided and installed on the adjustable tracking.

One (1)

**LED COMPARTMENT LIGHTS**

Two (2) extruded aluminum LED strip lights shall be installed in the compartment. The strip lights shall be installed in a vertical position and run the full height of the compartment, one (1) each side.
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R1 COMPARTMENT

- The following is a description of items included with the compartment.

ROLL UP DOOR - BRUSHED

ROM series 4 roll-up door will be installed in this compartment. The shutters will be constructed from extruded aluminum with a brushed finish. Internally sealed for weather resistance and quiet operation. Rubber seals will be installed on the vertical components. The door will close/lock with a combination handle/locking bar on the exterior at the bottom.

The door will roll-up in the top of the compartment to allow for maximum use of the compartment interior.

Lighting will be located on the vertical compartment walls for maximum effectiveness.

ROLL UP DOOR SILLS

An extruded aluminum door sill shall be provided for each roll up door.

VERTICAL TOOL BOARD TRACKING

There shall be tracking installed in one (1) compartment to accommodate the installation of vertical tool boards. The tracks shall be installed horizontally on the floor and ceiling of the compartment.

VERTICAL COMPARTMENT DIVIDER

A bolt in vertical compartment divider fabricated from 3/16" aluminum shall be provided and installed with angles at the top and bottom of the compartment.

Location: Centered from side to side unless otherwise noted

LED COMPARTMENT LIGHTS

Two (2) extruded aluminum LED strip lights shall be installed in the compartment. The strip lights shall be installed in a vertical position and run the full height of the compartment, one (1) each side.

R2 COMPARTMENT

- The following is a description of items included with the compartment.

ROLL UP DOOR - BRUSHED

ROM series 4 roll-up door will be installed in this compartment. The shutters will be constructed from extruded aluminum with a brushed finish. Internally sealed for weather resistance and quiet operation. Rubber seals will be installed on the vertical components. The door will close/lock with a combination handle/locking bar on the exterior at the bottom.
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One (1)

ROLL UP DOOR SILLS
An extruded aluminum door sill shall be provided for each roll up door.

One (1)

ADJUSTABLE SHELF TRACKING
There shall be tracking installed in one (1) compartment to accommodate the installation of adjustable shelves and/or roll-outs. The tracks shall be installed vertically on the walls of the compartment.

One (1)

ADJUSTABLE SHELF- FULL DEPTH
There shall be an adjustable shelf made from 3/16" aluminum with 2" sides provided and installed on the adjustable tracking.

One (1)

LED COMPARTMENT LIGHTS
Two (2) extruded aluminum LED strip lights shall be installed in the compartment. The strip lights shall be installed in a vertical position and run the full height of the compartment, one (1) each side.

One (1)

R3 COMPARTMENT
The following is a description of items included with the compartment.

One (1)

ROLL UP DOOR - BRUSHED
ROM series 4 roll-up door will be installed in this compartment. The shutters will be constructed from extruded aluminum with a brushed finish. Internally sealed for weather resistance and quiet operation. Rubber seals will be installed on the vertical components. The door will close/lock with a combination handle/locking bar on the exterior at the bottom.

The door will roll-up in the top of the compartment to allow for maximum use of the compartment interior. Lighting will be located on the vertical compartment walls for maximum effectiveness.

One (1)

ROLL UP DOOR SILLS
An extruded aluminum door sill shall be provided for each roll up door.

One (1)

ADJUSTABLE SHELF TRACKING
There shall be tracking installed in one (1) compartment to accommodate the installation of adjustable shelves and/or roll-outs. The tracks shall be installed vertically on the walls of the compartment.

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<table>
<thead>
<tr>
<th>One (1)</th>
<th>Y__N__</th>
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<tbody>
<tr>
<td><strong>ADJUSTABLE SHELF- FULL DEPTH</strong></td>
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<tr>
<td>There shall be an adjustable shelf made from 3/16&quot; aluminum with 2&quot; sides provided and installed on the adjustable tracking.</td>
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<td>One (1)</td>
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<tr>
<td><strong>LED COMPARTMENT LIGHTS</strong></td>
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<tr>
<td>Two (2) extruded aluminum LED strip lights shall be installed in the compartment. The strip lights shall be installed in a vertical position and run the full height of the compartment, one (1) each side.</td>
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<td>One (1)</td>
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<tr>
<td><strong>ROLL-UP DOOR WARRANTY - SEVEN YEARS</strong></td>
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<tr>
<td>ROM series 4 doors and parts shall be warranted for a period of seven (7) years.</td>
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<td>One (1)</td>
<td>Y__N__</td>
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<tr>
<td><strong>COMPARTMENT INTERIOR FINISH</strong></td>
<td></td>
</tr>
<tr>
<td>All exterior compartments of the pumper/rescue apparatus will be constructed from fire apparatus quality aluminum material. All exterior seams will be welded and sealed from weather and dust. The interior compartment seams will all be carefully caulked with a gray sealant for further protection and cosmetics.</td>
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<td>One (1)</td>
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<tr>
<td><strong>RUBRAILS</strong></td>
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<tr>
<td>Poly rub rails shall be provided along the lower edge of the apparatus body. The rub rail assemblies shall be spaced-out and isolated from the body with non-metallic materials. Each rub rail shall be a minimum of 1&quot; thick and tapered at each end.</td>
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<td>One (1)</td>
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<tr>
<td><strong>BODY FACE PACKAGE</strong></td>
<td></td>
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<tr>
<td>The front face of the apparatus body will be trimmed with 1/8&quot; polished diamondplate aluminum. Body support extrusions will be drilled and tapped for application of stainless steel fasteners to hold the panels in place. The panels are to be easily removable for service.</td>
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<tr>
<td>One (1)</td>
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<tr>
<td><strong>REAR TAILBOARD</strong></td>
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<tr>
<td>An 11&quot; rear tailboard step will be provided. The step will be constructed from 1-1/2&quot; extruded aluminum. Extrusion shall have a non-slip surface with punched holes. Tailboard shall be supported by heavy 2&quot; x 2&quot; x 3/8&quot; angles welded directly to the body superstructure.</td>
<td></td>
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</tbody>
</table>
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One (1)

REAR WHEELWELL TRIM

The area around the rear wheel openings shall be constructed from aluminum diamondplate. The wheelwells shall be completely removable for ease of service and replacement.

One (1)

RUBBER FENDERETTES

Rubber fenderettes shall be installed on the rear wheelwells. They shall be bolted so as to be easily removable for service and/or replacement.

One (1)

MUDFLAPS

Mud flaps shall be made from black hard rubber and shall be installed on the cab fenders, behind the front tires and on the body fenders, behind the rear tires.

One (1)

MISCELLANEOUS HARDWARE

One bag of miscellaneous hardware shall be supplied with the finished apparatus. This hardware shall consist of nuts, bolts, screws, washers, etc. used in the manufacture of the apparatus.

One (1)

FUEL INLET

There shall be a cast aluminum bezel around the fuel inlet. The bezel will be clearly marked "DIESEL FUEL ONLY".

One (1)

DEF INLET

There shall be a cast aluminum bezel around the DEF inlet. The bezel will be clearly marked "DEF ONLY".

One (1)

BACKBOARD STORAGE

The apparatus shall be equipped with a backboard storage compartment configured in the R1 body compartment.

Access to the compartment shall be a roll-up style door.

One (1)

STOKES BASKET STORAGE

The apparatus shall be equipped with a stokes basket storage compartment configured in the R1 body compartment.

Access to the compartment shall be a roll-up style door.

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REAR BODY HANDRAILS

There shall be two (2) 30" long handrails manufactured from 1-1/4" diameter extruded aluminum with chrome end stanchions. They shall be mounted vertically at the rear of the apparatus body.

In the event there is telescoping scene light, ladder or folding step installed in the same location(s), these items may be substituted in an effort to conserve mounting space on the body.

ALUMINUM BODY PAINT FINISH

All paintable surfaces shall conform to the following procedure, ensuring a durable finish:

- Aluminum body exterior shall not have components mounted to paintable surfaces prior to application of protective anti-corrosion and topcoat refinishing materials.
- All paintable aluminum surfaces shall be sanded/ground to remove all burrs, rough edges and other imperfections from the fabrication process.
- All paintable metal surfaces shall have an anti-corrosion coating and an epoxy-based primer applied to them before the application of body fillers.
- After application and finishing of all filler work, any bare metal areas shall be recoated with an anti-corrosion coating and an epoxy-based primer before continuing the refinishing process.

- The unit shall be sprayed with a high quality urethane primer-surfacer. The primer-surfacer shall be sanded to provide a smooth appearing surface that will facilitate the adhesion of a urethane-based sealer. The urethane-based sealer shall be applied in such a manner to provide a uniform surface for the application of subsequent topcoats. The apparatus body shall be top-coated with Sikkens Autocoat BT basecoat/clear coat polyurethane paint system. The finished paint surface shall have a high gloss- >85 using a 60° gloss meter.

- Any location where aluminum is penetrated after the refinishing has been completed, shall be treated with a corrosion inhibiting compound.

PAINT WARRANTY - FIVE YEARS

The paint performance guarantee will cover the areas of the vehicle finished with the specified product for a period of five (5) years beginning the day the vehicle is delivered to the purchaser.

The areas as outlined on the Guarantee Certificate will be covered for the following paint failures:

GUARANTEE INCLUSIONS:
FULL APPARATUS BODY MANUFACTURED AND PAINTED BY THE MANUFACTURER:

- Peeling or delamination of the topcoat and/or other layers of paint.
- Cracking or checking.
- Loss of gloss caused by cracking, checking, or hazing.
- Any paint failure caused by defective finishes which are covered by this guarantee.

All guarantee exclusions, limitations, and methods of claims are covered in the full certificate provided to the original purchaser.

The paint warranty is a full term (non-prorated) warranty.

TOUCH UP PAINT

A container with touch-up paint shall be provided with each truck. The container shall have a small touch-up brush that is attached to the top of the container.

DISSIMILAR METALS

The body and components shall be thoroughly protected against corrosion and/or oxidation caused by contact between dissimilar metals. These areas shall be protected by the use of corrosion resistant primers, gaskets and “ECK” (electrolic corrosion material) or any equivalent material.

BODY UNDERCOATING

Undercoating of the apparatus body shall conform to the following;

- The rubberized undercoating shall be black in color and uniform in texture.
- The underside (chassis frame rails downward) of the apparatus body shall be sprayed with rubberized undercoating.
- The wheel well sections of the apparatus will be undercoated completely (above and below the chassis frame rail).
- The undercoating shall have corrosion-preventative properties.
- The undercoating material shall contain no asbestos.

LETTERING

Lettering will be provided by the manufacturer as follows:

Per customer design
3-1/2” shaded letters / numbers
Forty (40) character allowance

Lettering shall be provided on the cab doors, Scotchlite material shaded in black.
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One (1)

**NFPA BODY STRIPE**

A 6" body stripe of white reflective is to be furnished around the entire apparatus with the exception of the wheel wells, pump panels, grille and rear of the apparatus over the chevron material.

One (1)

**CHEVRON STRIPING - REAR**

Chevron striping shall be applied to the entire rear wall of the apparatus body. The chevrons shall consist of 6" wide Scotchlite Diamond Grade reflective striping at 45 degree angles from the tailboard in an inverted "V" pattern. The stripes shall alternate red reflective, yellow reflective, red reflective, etc.

One (1)

**CAB DOOR REFLECTIVE**

The interior of each door shall include high visibility reflective tape. A white reflective tape that measures 1" in width shall be provided vertically along the outer rear edge of the door.

One (1)

**APPARATUS BODY ELECTRICAL SYSTEM**

All electrical equipment installed by the apparatus builder shall conform to current automotive electrical system standards and the latest standards as outlined in NFPA #1901.

All electrical wire installed by the apparatus builder shall be rated to carry 125 percent of the maximum current for which the circuit is protected. A high-temp automotive primary wire that is insulated with chemically cross-linked Polyethylene and withstands prolonged temperatures of up to 350 degrees F. without melting or fusing shall be used. Wire shall be highly resistant to grease, oil, acids, brake fluid and abrasion. Wire shall meet or exceed S.A.E. specifications J1127.

Electrical connections in exposed areas outside of the cab shall be made using heat shrink or weather-proof connections. All connections shall have a corrosion preventative compound applied to them. All weather exposed lights shall have the sockets coated with this same compound.

Wire shall be individually color coded and be labeled every six (6") inches on the insulation. Wiring installed by body builder shall be run in a heat protective loom that is held in place with a rubber coated bracket that is fastened in place with stainless steel screws.

There will be two (2) wire terminal points that will be used as test points and for service. The location of these points will be in the apparatus cab and in an enclosed box recessed into the side or back wall of a rear compartment. All wire connections shall be protected to promote a lasting, corrosion-free connection. All exterior terminal blocks will be installed in a weather resistant box. All wire harnesses will be easily accessible and replaceable. All wires shall be protected by automatic circuit breakers that will reset.

WALK-IN RESCUE 22

05/28/19
NEWBURY FIRE & RESCUE DEPARTMENT

One (1) CAB MOUNTED SWITCH PANEL

A Whelen switch panel, designed for the specified chassis and body will be provided and mounted in the center console. Backlighting will glow at low intensity with the ignition on and at high intensity when the circuit is activated.

Each switch label will be specifically identified.

One (1) 12-V NFPA TEST

The following NFPA 9-14 test requirements shall be performed:

- Reserve capacity test
- Alternator test at idle
- Alternator test at full load
- Low voltage alarm test

One (1) CLEARANCE LIGHTS AND REFLECTORS

Clearance lights and reflectors shall be installed to meet current DOT standards and include:

- Two (2) Red LED marker lights
- Four (4) Red reflectors
- Two (2) Amber reflectors
- One (1) Red LED three-light cluster under the rear step.

One (1) STOP/TAIL, TURN AND BACKUP LIGHTS

Whelen 600 series lights shall be installed at the rear of the apparatus as follows:

- Red LED stop/tail light, one (1) each side
- Amber LED turn light, one (1) each side
- Clear LED backup light, one (1) each side

Each shall be installed inside a one-piece housing, one each side. The lower rear warning light shall be included in the 4 light housing.

One (1) REAR LOWER LIGHTS BEZEL COLOR

The surface mounted lower stop/tail/turn and back up lights shall include chrome bezels.

One (1) LICENSE LIGHT AND BRACKET

A polished aluminum LED license plate light and bracket shall be installed on the rear of the vehicle.

WALK-IN RESCUE 05/28/19
NEWBURY FIRE & RESCUE DEPARTMENT

One (1)  
**LED CAB GROUND LIGHTS (2)**  
Under body lighting will be provided for the apparatus cab doors. Two (2) four inch round LED lights with clear lenses will be angle mounted below the apparatus cab, one (1) under each cab door. The lights will be controlled by the parking brake switch.

One (1)  
**LED TAILBOARD GROUND LIGHTS (2)**  
Under tailboard lighting will be provided for the apparatus. Two (2) four inch round LED lights with clear lenses will be angle mounted below the rear tailboard. The lights will be controlled by the parking brake switch.

One (1)  
**RECESSED STEP LIGHTS - LED**  
There shall be LED recessed step lights mounted in such a manner as to light the area around the runningboards, tailboard, and rear intermediate step.

One (1)  
**ENGINE SERVICE LIGHT**  
There shall be a LED light with clear lens light mounted inside the engine compartment to provide sufficient lighting.

One (1)  
**COMPARTMENT DOOR SWITCHES**  
All exterior compartment doors will be provided with a door switch that shall activate the "Door Ajar" indicator light. The switch shall be installed not to interfere with loading or unloading the equipment stored within the compartment.

One (1)  
**DOOR AJAR INDICATOR**  
There shall be a red flashing door-ajar indicator located on the cab in easy view of the driver. The light shall be illuminated automatically whenever the apparatus parking brake is released and the following conditions exist:

- Any passenger or equipment door is open.
- Any ladder or equipment rack is not in the stowed position.
- The aerial stabilizer system not in its stowed position.
- Powered light tower is extended.
- Any other device is opened, extended or deployed that creates a hazard, or is likely to cause damage to the apparatus if it is moved.

One (1)  
**INTERIOR LIGHTS**  
Six (6) LED Whelen interior lights shall be supplied and mounted in the walk-in portion of the body. The lights shall be spaced evenly and include a switch near the rear and side entrance doors.

WALK-IN RESCUE  
24
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SIDE SCENE LIGHTS</strong></td>
<td>The mid upper sides of the body shall include two (2) Whelen 900 series 9SC0ENZR model scene lights, one (1) each side which shall be surface mounted with a chrome bezel. The Whelen lights shall offer LED lighting at a gradient 32-degree angle.</td>
</tr>
<tr>
<td><strong>REAR SCENE LIGHTS</strong></td>
<td>The rear of the body shall include two (2) Whelen 900 series 9SC0ENZR model scene lights, one (1) each side which shall be surface mounted with a chrome bezel. The Whelen lights shall offer LED lighting at a gradient 32-degree angle.</td>
</tr>
<tr>
<td><strong>SCENE LIGHTING BEZEL COLOR</strong></td>
<td>The surface mounted scene lights shall include chrome bezels.</td>
</tr>
<tr>
<td><strong>SCENE LIGHTING SWITCHING</strong></td>
<td>The body and/or cab mounted scene lights shall include switches in the cab. Each side of the apparatus will include its own switch if applicable.</td>
</tr>
<tr>
<td><strong>SIDE LED TELESCOPING SCENE LIGHTS</strong></td>
<td>The sides of the apparatus shall include two (2) Fire Research Spectra model SPA530-R14 push up telescopic lights, one (1) each side. The light pole shall be anodized aluminum and have a knurled twist lock mechanism to secure the extension pole in position. The extension pole shall rotate 360 degrees. The outer pole shall be a grooved aluminum extrusion and qualify as an NFPA compliant handrail. The pole mounting brackets shall have a 2 3/4&quot; offset. Wiring shall extend from the pole bottom with a 4' retractile cord. The lamphead shall have 36 ultra-bright white LEDs, 30 for flood lighting and 6 to provide a spot light beam pattern. It shall operate at 12/24 volts DC, draw 10.8/5.4 amps, and generate 14,000 lumens of light. The lamphead shall have a unique lens that directs flood lighting onto the work area and focuses the spot light beam into the distance. The lamphead angle of elevation shall be adjustable at a pivot in the mounting arm and the position locked with a round knurled locking knob. The lamphead shall be no more than 6 1/2&quot; high by 8 3/4&quot; wide by 3 1/4&quot; deep and have a heat resistant handle. The lamphead and mounting arm shall be powder coated. The LED scene light shall be for fire service use.</td>
</tr>
<tr>
<td><strong>SIDE TELESCOPING SCENE LIGHTING LOCATION</strong></td>
<td>The apparatus mounted telescoping scene lights shall be located on the front of the body.</td>
</tr>
<tr>
<td><strong>TELESCOPING SCENE LIGHTING HEAD COLOR</strong></td>
<td>The apparatus mounted telescoping scene lights shall include white heads.</td>
</tr>
</tbody>
</table>
The telescoping scene lights shall include switches in the cab. Each side of the apparatus will include its own switch if applicable.

A relay will be provided in the rear scene light circuit to allow automatic use of the lights when the vehicle is placed in reverse.

There shall be two (2) 120-volt/20 amp household duplex receptacle(s) mounted as directed by the Fire Department. A hinged weatherproof cover shall be installed over any exterior mounted receptacle(s).

Location(s): Cab interior, rescue box interior

An AC and heater system shall be supplied in the walk in area of the rescue box.

An auxiliary set of power and ground studs with a 40-Amp breaker shall be provided and installed in the console. The studs shall be .375 inch diameter and capable of carrying up to a 40 amp load switched with the master power switch.

The apparatus shall have one (1) antenna base and cable supplied and installed on the cab roof. The whip shall be customer supplied. The antenna cable shall be ran to the cab console.

There shall be one (1) 12-volt constant power plug-in (USB) style receptacle(s) installed as directed by the Fire Department.

Location(s): Cab console

There shall be one (1) 12-volt constant power connections installed as directed by the Fire Department. The connection will be terminated with a three (3) foot coil of wire at its' location.

Location(s): Rescue box interior
The optical warning system on the fire apparatus shall be capable of two separate signaling modes during emergency operations. One mode shall signal that the apparatus is responding to an emergency and is calling for the right of way. The other mode shall signal that the apparatus is stopped and is blocking the right of way.

The switching for the two different modes shall be through switches and relays that sense the position of the parking brake.

One (1) Whelen brand Justice JEZNFPA lightbar shall be mounted centered on the front of the cab roof. The lightbar shall be 56.00 inches in length. The lightbar shall feature eight (8) red LED lights and two (2) clear LED lights. The clear lights shall be disabled with park brake engaged. The cable shall exit the lightbar on the right side of the cab.

The warning lights shall be red.

The front bumper tail or the corner of a commercial cab hood shall include two (2) Whelen LINZ6R warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn. The lights shall be mounted to the grille within a bezel.

The warning lights shall be red.

The rear tailboard shall include two (2) Whelen 600 series Super LED warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn. The lights shall be mounted within a cast housing located on the top of the tailboard sides.

The warning lights shall be red.

The front upper body sides shall include two (2) Whelen 900 series Super LED warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors. The lights shall be mounted to the sides of the apparatus within a bezel.

The warning lights shall be red.
NEWBURY FIRE & RESCUE DEPARTMENT

One (1)  
REAR UPPER BODY SIDE WARNING LIGHTS  
The rear upper body sides shall include two (2) Whelen 900 series Super LED warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors. The lights shall be mounted to the sides of the apparatus within a bezel.

The warning lights shall be red.

One (1)  
UPPER REAR WARNING LIGHTS  
The upper rear of the apparatus shall include two (2) Whelen 900 series Super LED warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors. The lights shall be mounted to the apparatus within a bezel.

The warning lights shall be red.

One (1)  
LOWER REAR WARNING LIGHTS  
The lower rear of the apparatus shall include two (2) Whelen 600 series Super LED warning lights, one (1) on each side. The lights shall feature multiple flash patterns including steady burn for solid colors and multiple flash patterns for split colors. The lights shall be mounted to the apparatus within a bezel.

The warning lights shall be red.

One (1)  
WARNING LIGHTING BEZEL COLOR  
The body and/or cab surface mounted warning lights shall include chrome bezels.

One (1)  
WARNING LIGHTING LENS COLOR  
The body and/or cab surface mounted warning lights shall include colored lenses to match the warning light color.

One (1)  
SIREN CONTROL HEAD  
A Whelen CCSRNT36 siren/light/traffic advisor controller shall be installed and flush mounted in the center console.

One (1)  
ELECTRONIC SIREN SPEAKER  
The bumper shall include one (1) Whelen Engineering Inc. model SA315P, 100 watt speaker which shall be mounted within the bumper fascia.

One (1)  
ROAD SAFETY KIT  
One (1) 2-1/2# ABC DOT approved fire extinguisher shall be provided. It shall be mounted in a accessible location to the driver.

WALK-IN RESCUE  
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05/28/19
NEWBURY FIRE & RESCUE DEPARTMENT

One (1) set of DOT approved hazard triangles shall be supplied with the chassis. They shall be stored in a case and shipped loose with the apparatus.

**APPARATUS WARRANTY - ONE YEAR**

The completed apparatus shall be warranted to be free from defects in workmanship and materials under normal use and service for a period of one (1) year from the date of delivery to the Fire Department. This warranty shall cover the costs for parts and labor for this period of time.

**WHEEL CHOCKS**

One (1) pair of Worden model HWG Grip-Lock aluminum wheel chocks shall be mounted on the apparatus. They shall be mounted in model U815 slide-out brackets.

**WHEEL CHOCKS LOCATION**

The wheel chocks shall be mounted fore of the rear axle on bottom side of the lower compartments.

**PURCHASER'S RESPONSIBILITY**

These specifications are as complete, accurate and up to date as possible; however, it is the purchaser's responsibility for the safe, legal operation and maintenance of this apparatus and equipment.

**DELIVERY PREP**

The apparatus shall be detailed and cleaned prior to delivery.

All metal edges shall be carefully sanded and rounded. All compartment and exterior sheeting seams shall be carefully caulked.

Any loose equipment shall be stored on the truck.
**NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

**APPLICATION FOR REIMBURSEMENT TO TOWNS AND CITIES**

**IN WHICH FEDERAL AND STATE FOREST LAND IS SITUATED**

**2019**

---

**TOWN OF NEWBURY**  
**OFFICE OF SELECTMEN**  
**PO BOX 296**  
**NEWBURY NH 03255**

The Town/City of **NEWBURY** hereby makes application for reimbursement pursuant to RSA 227-H based on the facts as set forth herein.

List the name of the state or federal forest, eligible* number of acres of state or federal forestland in town/city and per acre assessed value if land were taxable. (Insert assessed value and not current use values.)

<table>
<thead>
<tr>
<th>Name of State or Federal Forest</th>
<th>Number of Acres (per DRED)</th>
<th>Value Per Acre</th>
<th>Total Assessed Valuation</th>
<th>FOR DEPT OF REVENUE USE ONLY</th>
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<td>Mount Sunapee State Park</td>
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</table>

If your municipality is having a revaluation or statistical update for April 1, 2019, please indicate this so that we will use the proper ratio when we compute the forestland reimbursement. *Eligible State and Federal forestlands are those owned by NH DRED at the acreage noted above and the White Mountain National Forest.

- [ ] Full Reval  
- [ ] Cyclical Reval (values updated)  
- [ ] Cyclical In Progress  
- [ ] Partial  
- [ ] Update/Statistical  
- [ ] Other: Please Explain

(Please check appropriate box, if applicable)

Signature of Selectmen/Assessors (Sign in Ink)

_________________________  
_________________________

Date Signed: _____________  
_________________________

---

THE APPLICATION FOR REIMBURSEMENT MUST BE RETURNED TO MANAGER, EQUALIZATION BUREAU, PROPERTY APPRAISAL DIVISION, DEPARTMENT OF REVENUE ADMINISTRATION, PO BOX 487, CONCORD NH 03302-0487 OR E-MAIL TO EQUALIZATION@DRA.NH.GOV BY SEPTEMBER 3, 2019 OR REIMBURSEMENT CANNOT BE MADE.

Rev 6/19
**NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

**REPORT OF WOOD OR TIMBER CUT**

RSA 79:11

See instructions on back of form

For Tax Year April 1, 2018 to March 31, 2019

---

**OPERATION # 18-321-07 T**

Mailing Address:

PETER MOORE
167 MOORE LANE
NEWBURY NH 03255

1. City/Town of: NEWBURY
2. Tax Map/Lot # or USFS sale name/unit #: 034-092-064
3. Exact Acreage of Cut: 
4. Is the cutting complete? Yes ☑ No ☐
5. If yes, date cutting was completed: 11/1/18
6. Names of ALL purchasers that the forest products were sold to:

<table>
<thead>
<tr>
<th>NAME</th>
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<tbody>
<tr>
<td>Durgin &amp; Coeurlel</td>
</tr>
<tr>
<td>HI</td>
</tr>
</tbody>
</table>

7. I hereby report the wood or timber cut under penalty of perjury.
   (if a corporation, an officer must sign)

   [Signature]

   [Date]

---

**SPECIES** | **EXACT SCALE CUT USE INTERNATIONAL 1/4 RULE LOG SCALE**
---|---
White Pine | 15.0 0 5
Hemlock | 
Red Pine | 2.4 1 0
Spruce & Fir | 
Hard Maple | 
White Birch | 
Yellow Birch | 
Oak | 10.2 5 0
Ash | 
Soft Maple | 
Beech/ Pallet/ Tie Logs | 
Others (Specify) | 
**PULPWOOD** | **TONS**
Spruce & Fir | 
Hardwood & Aspen | 90.1 1
Pine | 
Hemlock | 
Biomass Chips | 85.4 1 5

---

**MISCELLANEOUS:**

<table>
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<tr>
<th>High Grade Spruce/Fir</th>
<th>TONS</th>
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</thead>
<tbody>
<tr>
<td>Cordwood &amp; Fuelwood</td>
<td>CORDS</td>
</tr>
</tbody>
</table>

---

8. Description of Wood or Timber Cut

---

9. Species and Amount of Wood or Timber for Personal Use or Exempt. See exemptions on back of form.

<table>
<thead>
<tr>
<th>Species</th>
<th>Amount</th>
</tr>
</thead>
</table>

10. Under penalty of perjury, I (the logger/forester or person responsible for cutting) declare that all information in Sections 6, 8, & 9 are true and correct.

   [Signature]

   [Date]

---

**PENALTY:** Pursuant to RSA 21-J:39, a person who fails to file a Report of Wood or Timber Cut with the proper assessing officials or fails to send copies to the Department of Revenue administration, in accordance with RSA 79:11, may be guilty of a misdemeanor.

**DOOMAGE:** If an owner neglects to file a report or willfully falsifies a report, the assessing officials shall assess doomage which is two times what the tax would have been if the report has been properly filed. Refer to RSA 79:12 for the complete statute on doomage.
TO: Linda Plunkett, Collector of Taxes for Town of NEWBURY NH, in said county:

In the name of said State you are hereby directed to collect on or before thirty (30) days from date of bill from the person(s) named herewith committed to you, the Yield Tax set against their name(s), amounting in all to the sum of: $740.23, with interest at eighteen (18%) percent per annum from the due date and on all sums not paid on or before that day. We further order you to pay all monies collected to the treasurer of said town, or treasurer's designee as provided in RSA 41:29, VI, at least on a weekly basis, or daily when receipts exceed $1,500.00 or more often when directed by the Commissioner of Revenue Administration.

Given under our hands and seal at NEWBURY NH

(Selectmen/assessor)

(Selectmen/assessor)

(Selectmen/assessor)

(Selectmen/assessor)

(Selectmen/assessor)

DATE SIGNED: June 28, 2019

<table>
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<tr>
<th>NAME &amp; ADDRESS</th>
<th>MAP &amp; LOT</th>
<th>OPERATION #</th>
<th>YIELD TAX</th>
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<td>18-321-07-T</td>
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<td>NEWBURY, NH 03255</td>
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</table>

TAX DUE DATE: July 28, 2019 TOTAL YIELD TAX: $740.23

TIMBER CUT FOR INTENTS FILED DURING: October 1, 2018 to March 31, 2019
CERTIFICATION OF YIELD TAXES ASSESSED
INTENT FILED DURING TAX YEAR: October 1, 2018 to March 31, 2019

TOWN / CITY OF: NEWBURY NH
COUNTY OF: MERRIMACK COUNTY
CERTIFICATION DATE: June 28, 2019

SEND SIGNED COPY TO: DEPT. OF REVENUE ADMINISTRATION
MUNICIPAL AND PROPERTY DIVISION
P.O. BOX 487
CONCORD, NH 03302-0487

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<th>#16</th>
<th>NAME OF OWNER</th>
<th>#17</th>
<th>SPECIES</th>
<th>#18</th>
<th>NUMBER OF BOARD FEET IN THOUSANDS</th>
<th>#19</th>
<th>NUMBER OF TONS</th>
<th>#20</th>
<th>STUMPAGE VALUE</th>
<th>#21</th>
<th>TOTAL ASSESSED VAL.</th>
<th>#22</th>
<th>TAX AT 10 %</th>
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<td>HARDWOOD &amp; ASPEN</td>
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<td>BIOMASS CHIPS</td>
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YIELD TAX ON TIMBER CUT

TAX ACCOUNT & SERIAL I.D. NUMBER: 1
TAX MAP & LOT NUMBER: 034-092-064
YIELD TAX OPERATION NUMBER: 18-321-07-T
DATE OF YIELD TAX BILL: 6/28/2019
AMOUNT COMMITTED TO ME FOR COLLECTION PER RSA 79: $740.23

*** 18% APR INTEREST WILL BE CHARGED AFTER 7/28/2019 ON UNPAID TAXES ***

APPEAL: an owner may, within 90 days of notice of the tax, appeal to the assessing officials in writing for an abatement from the original assessment, but no owner shall be entitled to an abatement unless he has complied with the provisions of RSA 79:10 and 11. (RSA 79:8)

TAX OFFICE HOURS: MONDAY 1-7, TUES-FRIDAY 8-12 & 1-4

Sincerely,

Linda Plunkett
Tax Collector
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**Species**

- **Address:** Newbury, NH 03255
- **Owner:** Peeter V. Moore
- **Town:** Newbury

**Intent Field During Tax Year:** October 1, 2018 to March 31, 2019

**Date of Billing:** June 28, 2019

**Operation #:** 18-20-0-7

**Map & Lot #:** 03A-820-06-1

**Account & Serial #:** 1

**% Trunkage Value:** 100.00%