

How to get:

The Perfect Truck



Emergency Vehicles

... A guide to the truck planning, design and construction process.

**Snohomish County Fire District 7
Heavy Rescue - SVI #1119**

Sold by: True North Emergency Equipt.

PO Date: December 6, 2018

Quoted Delivery: 400 DAPO

Welcome Snohomish County Fire District 7 to SVI Trucks:

Thank you for selecting SVI Trucks to design and build your next emergency truck. We take great pride in our people, our product and the relationships we build with customers like you. We stake our reputation on the quality trucks we produce and yours will be no exception.

Over the years we have found that clear and open communications throughout the planning, design and construction process are critical to ensuring you receive “The Perfect Truck”. This document is designed to establish these communications and explain how and why we do the things we do.

One of the most critical phases of communication is between purchase and the start of construction since this is when most information will flow between your department, SVI Trucks and the Dealer. An emergency apparatus is an extremely complex piece of equipment with many interrelated components and systems, changing one item may affect many others. Because of this, changes become much more difficult and expensive once the design package has been started.

We strongly believe that starting off the communication process on the right foot and keeping that momentum going will produce an apparatus which will serve your needs for years to come and one you will be proud to say came from SVI Trucks. We appreciate your trust in us and are looking forward to working with you and your department.

A Message from your Contract Administrator:

Congratulations on your order with SVI Trucks. We realize there are many builders to choose from and want to thank you for selecting SVI Trucks.

As Contract Administrator I will endeavor to make your experience with us as smooth as possible. I know you will find that everyone at SVI Trucks will strive to make your apparatus manufacturing process as stress free as possible. Quality and customer satisfaction are our top priorities.

In our experience, it is helpful to have the pre-construction meeting as soon as possible to prevent any delay in our engineering and production schedules. I will be contacting you or your dealer to schedule the meeting so please be prepared with available dates, personnel names and traveling preferences.

I am looking forward to working with you and as always, if you have any questions or concerns please do not hesitate to call (888) 784-1112.

Sincerely,

SVI Trucks

Jackie Sipes
Contract Administrator
970-297-7026
jackies@svitrucks.com

Outline of Events

(1) Specifications and Drawings are Completed:

We go to great lengths to engineer the truck to the maximum extent possible prior to purchase. We produce detailed and accurate 2-D AutoCAD Sales Drawings to ensure optimum layout and engineering feasibility of the truck and its various components.

(2) The Order is Received at SVI Trucks:

The contract administrator will record the order and schedule the preconstruction meeting. Your truck will receive a build number (shown on cover page of this packet) and we will lay the project timeline into the design and production schedule. Please reference this build number in all your correspondence.

(3) Preconstruction Meeting is held:

We cannot over-emphasize the importance of this phase. We will conduct a complete read through of every item in the specification and go through every compartment to ensure the layout is exactly as you require. We recommend you hold the preconstruction meeting at the SVI factory. You will have the advantage of 10 to 15 trucks of various types at various stages to physically look at to help verify exactly what you want and will receive, along with quick answers to technical questions.

We will supply continuous and direct engineering support to help determine fit, feasibility and optimal design for all aspects of the apparatus. We will update your drawing as changes are requested so that you will know on the spot what will work and what will not. When you leave you will have an updated drawing in hand. Final inspection is not the time to find if something is not going to fit. We will take every effort to ensure the apparatus is optimally designed from the start and the preconstruction meeting plays a very important roll in this matter.

To make the most of this time we will need as much detailed information as possible, we have included a form to assist you in this matter. Please fill this out and bring it with you to the preconstruction meeting. Experience has shown that digital pictures and dimensions of equipment to be stored in the truck to be extremely helpful.

Before leaving we will complete a thorough review of the proposed graphics package (if applicable). If you want SVI to re-produce graphics on existing units, please bring digital photos. SVI uses our own state-of-the-art, in-house graphics department www.svigraphics.com. A final design and layout will be provided and require a signature for approval.

(4) A Change Order is prepared:

As we go through your truck during the preconstruction meeting we will create a change order for any requests you have. We will include all options you wish to investigate on the change order, only the items you check yes to and sign will then become part of the specification. Our goal is to have the change order to you within 1-2 week of completion of the preconstruction meeting.

(5) An Approval Package is prepared:

To prevent delays in your production schedule, we request that the preconstruction meeting change order be returned within 25 days of receipt. We will then update the specification with the selected changes, update the sales drawing and send both back to you for your final signature.

These steps are necessary to ensure engineering has enough time to go through the design and prevent any delays in construction.

(6) Chassis is Ordered

We will order the cab and chassis from the chassis manufacturer. We like to have the chassis here during the design and construction phase since there are many interrelated items between the body and the chassis which we need to coordinate and plan for.

(7) Autodesk Inventor 3-D Production Package

With a completed Approval Package, the Design Engineers will begin 3-D modeling of your truck. This advanced design system will produce the prints necessary for the shop floor to construct your vehicle from raw materials. When we go through this intensive design, we may find better solutions to a certain aspect of the truck and will contact you with any recommendations.

Once the production package is complete, all the parts are ordered for the completed truck and shipped here for fit and installation. Because of this, changes during this phase will become more difficult and costlier.

(8) Construction Phase

We maintain a folder on our website of your truck as it goes through the various stages of construction. This folder will include the production specifications and drawings, as well as photographs taken throughout the construction phase. This folder can be accessed through website at; www.svitricks.com/trucks-in-production/ Password: mytruck

Feel free to contact your contract administrator at any time with any questions you have about your truck or the process in general.

- Fabrication
- Fabrication Assembly
- Paint
- Final Assembly

(9) Pre-paint Inspection (if applicable)

We drill all holes prior to painting for increased corrosion resistance. A pre-paint inspection will allow you to verify the general equipment layout to see if any changes affecting the drilling of holes in the body are required. The contract administrator will schedule this trip if applicable.

Note: Pre-paint inspection can adversely effect production schedule if travel does not correspond with short schedule window between fabrication and paint.

(10) Truck Painted

We use the finest paint products to achieve the finest paint finish in the industry. The body is undercoated prior to being placed on the chassis to ensure 100% coverage.

(11) Electrical Wiring

We have developed a well organized and easy to understand layout for our electrical circuits and wiring harnesses. All wires are labeled every few feet with their specific purpose and clearly explained on the as-built electrical schematics. We have designed maximum flexibility into the electrical systems with extra pre-placed wires in the wire troughs for nearly any conceivable future addition. We make access possible through well-designed access holes to facilitate any future repairs or additions. It is important that we layout electrical components to the maximum extent possible at the preconstruction meeting or pre-paint inspection to plan ahead the wiring layout and diagrams as well as incorporate component location into the overall design.

(12) Finish Work

Fit and finish details can make the difference between an average truck and a superior one. Our skilled and experienced finish crew takes the time to make sure everything fits and functions perfectly.

(13) Lettering and Stripping

Lettering and striping will be installed per the approved layout from the preconstruction meeting.

(14) Final Inspection

If we have taken the care and time in the above steps this should be the easiest and most rewarding experience of all; the fruits of your labor. We take this opportunity to go through the specification and the truck with a fine tooth comb to make sure everything is exactly the way you expected it to be. Any issues will be documented and addressed.

(15) Warranty

Although we do not expect any issues, should something come up we are here to help. The specification will outline the warranty terms. Provided with the truck will be the warranty information for all items included in the truck. Please feel free to contact us with any questions you have.

Warranty authorization can be accomplished by calling 888-784-1112. Email at warranty@svitrucks.com. Website at; <https://www.svitrucks.com/warranty/>

Points of Contact (888) 784-1112:

- **President:** Ron Weinmeister (ronw@svitrucks.com)
- **Vice President:** Bob Sorensen (bobs@svitrucks.com)
- **Contract Administrator:** Jackie Sipes (jackies@svitrucks.com)
- **Engineering Manager:** Stephen Greenhagen (steveg@svitrucks.com)
- **CO/WY Region Sales:** Jason Kline (jasonk@svitrucks.com)
- **Eastern Region Sales:** Dwayne Woodard (dwaynew@svitrucks.com)
- **HI/Canada:** Bob Sorensen (bobs@svitrucks.com)

- **Inside Sales Support:** Bill Wood (billw@svitrucks.com)
- **Graphics Manager:** Amy Bernhardt (amyb@svigraphics.com)

TRUCK INVENTORY DIMENSIONS

* *Denotes Required Field*

To ensure proper fit of equipment into the apparatus **we request the following data (where applicable) be supplied to SVI trucks at the pre-construction meeting.**
 Experience has shown digital pictures to be extremely helpful as well.

Point of Contact: _____

Phone Number: _____

Email: _____

* Paint Color(s) * Paint Number(s):
SCBA Bottles Manufacturer: Model Number: Pressure: Duration: * Diameter: * Length of bottle with valve:
SCBA Brackets * Manufacturer of Airpack: * Exact Model Number of Air pack: Pressure: Duration:
Air bags (Measurements inc. nipple) Manufacturer: Model Number: * Length: * Width * Thickness: Other items stored with air bags? Stored with Plywood?
Air Shores Manufacturer: Model Number: * Length * Diameter: Stored with feet?
Hydraulic Tools <u>Cutter</u> <u>Spreader</u> <u>Rams</u> Manufacturer: Model Number: * Dimensions:

<p>Fire Extinguishers Manufacturer: Model Number: * Diameter: * Length of overall extinguisher:</p>
<p>Ladders Manufacturer: Model Number: * Overall Height: * Length: * Width:</p>
<p>Pike Poles Manufacturer: Model Number: * Length: * Dimensions for the end:</p>
<p>Backboard Dimensions Manufacturer: Model Number: * Length: * Width: Thickness:</p>
<p>Stokes Basket Dimensions Manufacturer: Model Number: * Length: * Width: * Height:</p>
<p>For ANY Customer-Supplied Equipment * Dimensions as measured by FD: Make/Model: * Date item will be shipped to us:</p>
<p>Maximum Overall Height of the truck: Maximum Overall Length of the truck:</p>

Electrical Fill-In Sheet

These are the required questions we'll ask and go over during the preconstruction meeting. **This information must be detailed in the specification and sales drawing** to avoid delays in electrical wiring and component mounting. Thank you for your support in this, the more we can do up front the less we have to worry about later.

1. If compressor shore power, voltage of fire station? 230 VAC or 208 VAC
2. Where exactly do all outlets go?
3. Where exactly do all outlet strips go?
4. Where do 12V strips go, what do they power, when should they get power?
5. How/Where are all 12V scene lights switched?
6. How/Where are all 120-volt floodlights switched?
7. Where is the location of all radios?
8. Are there antennas we are installing and what is their desired location if any?
9. What items are on shore power vs. generator?
10. Where are the flashlight mounting locations?
11. Spot light controllers locations?
12. Intercom system location?
13. Siren mounting location?
14. Traffic advisor controller location?
15. Radio charger locations?