



**Specifications**  
**SWAB Pioneer ALSF-96**  
**Fiberglass Utility Body and Conversion**



## INTENTION

The following specifications are submitted in order to describe and specify the design, construction, materials and equipment to be utilized and installed in the fabrication of a Quick Response unit to be used in the Emergency Services field.

## DESCRIPTION

**SWAB PIONEER SERIES** fiberglass truck body having six (6) equipment storage compartments, three (3) accessible from left or right side of body, with/without rear compartment. Fabricated of 100% reinforced fiberglass of "one-piece" construction to eliminate seams and cracks.

## CHASSIS INFORMATION

A standard "Pick-Up Chassis" having a wheelbase of sufficient length to provide a 56" cab-to-axle (C/A) dimension is required. Chassis must be equipped with a **single rear wheel** and **mid-ship fuel tank**. All other options are at the customer's preference. Current acceptable chassis are: Chevy/GMC 3500HD, Ford F-350, or Dodge Ram 3500\*.

**Chassis to be supplied by:** \_\_\_\_\_

**YEAR:** \_\_\_\_\_ **MAKE:** \_\_\_\_\_ **MODEL:** \_\_\_\_\_

**OPTIONAL EQUIPMENT:** \_\_\_\_\_

**NOTE – When ordering a chassis, select a Pick-Up with 8ft bed, NOT a chassis cab, and select the box delete option (if available with desired options). This configuration will supply the chassis with a mid-ship fuel tank, fuel fill kit, single rear wheel and correct cab to axle dimension. If supplying a chassis with the Pick-Up bed, a fuel fill kit may be required and added to the final invoice unless other arrangements have been made.**

## WEIGHT

The weight of the basic fiberglass unit exclusive of optional items and equipment – 920 pounds.

## CONSTRUCTION

Full fiberglass-reinforced plastic "one-piece" construction throughout with smooth finish. Color to be Frost White F8W-2030 gel coat molded into body during fabrication.

Four (4) tubular stainless steel cross-members molded into bottom of unit. Sides skirted with cut-outs at rear wheels of proper size to permit easy removal of wheels when required. Roof section to be reinforced underneath with channel for added strength.

Polished aluminum rain gutter molding installed around entire unit at roof line to prevent "run-off" from body roof into storage compartments.

Bottom of unit to be completely enclosed to reduce heat build-up around compartments and to provide a "dead-air" insulating space around compartments.

## BODY DIMENSIONS

The overall body dimensions are: 98" Long x 78" Wide x 54" High.

## BODY FLOOR PLAN OPTIONS

### Customer's Choice: \_\_\_\_\_

Choose from 10 "standard" compartment configurations (see chart on next page), or contact your sales representative to discuss a custom layout to fit your needs.

## COMPARTMENTS

Each body side compartment to be of "one-piece" molded fiberglass construction without cracks or seams to prevent dirt and/or moisture from entering compartment.

Rear "backboard" compartment to be molded fiberglass in multiple sections with each seam sealed with proper sealant to prevent dirt and/or moisture from entering compartment.

Compartment opening is to be fully gasketed with tubular closed-cell neoprene type material, installed in such a manner as to make full contact with doors when closed and latched with door locking hardware.

Body side compartments to have 16 gauge steel plates molded into fiberglass walls to serve as reinforcement plate for optional shelving. Body side compartments to have Dri-Dek heavy-duty poly vinyl tiles installed on compartment floors to provide dry/skid free decking.

**Dri-Dek Color (Circle One):**    **BLACK**    **RED**    **BLUE**    **YELLOW**

## COMPARTMENT DOORS

Each compartment door to be of full fiberglass-reinforced plastic construction. Doors are to have smooth finish on both sides.

Doors to be hinged on full-length special stainless steel hinges to permit full opening of door.

Doors equipped with key-locking 6" "D" ring exterior handles, polished stainless steel and keyed alike. Doors are to be secured by three (3) point system using rod and guide for two (2) points and cam latch for center point.

## FEDERAL & STATE DOT LIGHTING

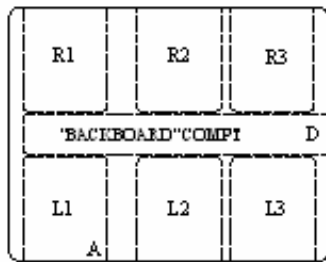
All Federal and State required body marker lights, reflectors, dual back-up lights and dual license lights installed.

### REAR DOT LIGHTS: Installed in Whelen Polished Housings

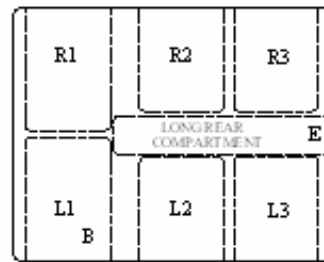
Brake Lights – Whelen 700 Series LED w/ Center High Mount 3<sup>rd</sup> Brake Light

Turn Signals – Whelen 700 Series Sequential LED Turn Arrow

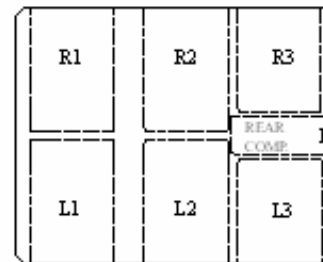
Reverse Lights – Whelen 700 Series Halogen Back-Up



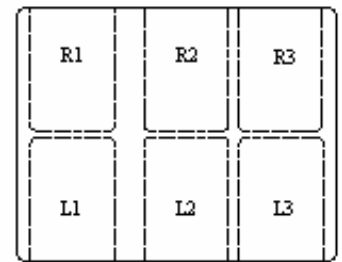
OPTION A



OPTION B

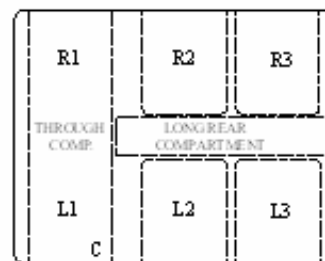


OPTION C

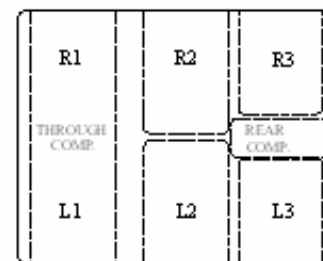


OPTION D

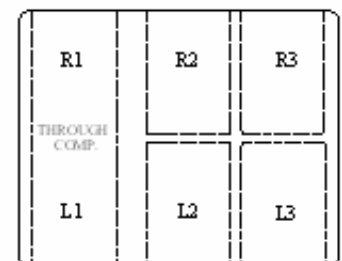
← FRONT  
OF BODY



OPTION B1



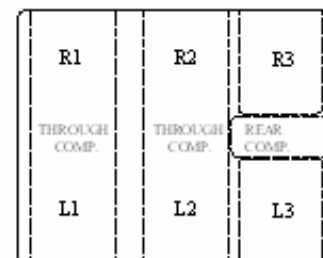
OPTION C1



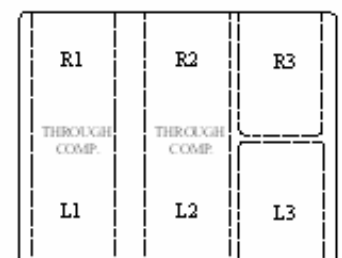
OPTION D1

# SWAB PIONEER SERIES

## FLOORPLANS



OPTION C2



OPTION D2

## COMPARTMENT DIMENSIONS

MODIFIED SIDE COMPARTMENT (A)  
25" WIDE X 30" HIGH X 30" DEEP

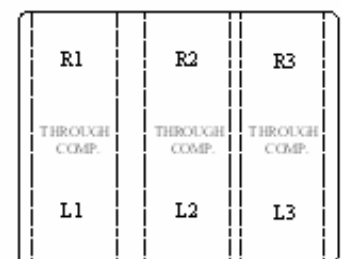
FULL DEPTH SIDE COMPARTMENT (B)  
25" WIDE X 30" HIGH X 36" DEEP

THROUGH COMPARTMENT (C)  
25" WIDE X 30" HIGH X 75" DEEP

"BACKBOARD" COMPARTMENT (D)  
12" WIDE X 30" HIGH X 92" DEEP

LONG REAR COMPARTMENT (E)  
12" WIDE X 30" HIGH X 64" DEEP

SHORT REAR COMPARTMENT (F)  
12" WIDE X 30" HIGH X 30" DEEP



OPTION D3



## **REAR BUMPER & MUD GUARDS**

Rear bumper to be fabricated from 3" steel channel/tube and reinforced to truck frame. Bright aluminum treadplate overlay installed on steel bumper and secured with required fasteners.

**SWAB** logo mud and splashguards installed at rear wheels.

## **MOUNTING**

Body mounted onto truck chassis frame using three (3) mounting-points on each side of chassis frame. Each body mounting point is to have a rubber mounting isolator installed to reduce excess vibration and strain on body. Fiberglass body is to be mounted as low as possible consistent with proper tire clearance underneath but no lower than cab roof.

## **ELECTRICAL**

### **General Overview (12VDC)**

Electrical system installed using minimum 14 gauge WGXL Crosslink Thermoplastic insulated stranded wire to each load carrying circuit. Each circuit color-coded, maintaining individual wire color from circuit breaker to load. Wiring installed in high temperature Zip Loom (300 degree rating) where exposed. All connections made with solderless terminals. Wiring harness installed with all required attachments and grommets installed where wiring passes through metal or fiberglass.

### **General Overview (110VAC)**

110-volt wiring installed as required with minimum 12 gauge SJ type cable with waterproof junction boxes as required, box connections and wiring clips. All required attachments and grommets installed where wiring passes through metal or fiberglass.

## **WARNING LIGHTS AND SIREN EQUIPMENT**

All customer specified warning light and siren equipment to be installed in accordance with manufacturer's installation instructions.

Light/siren circuits to be switched through a solenoid or relay to protect cab console/panel switch. All required weatherproof gaskets and mounting brackets installed.

## **DELIVERY PREPARATIONS**

Customer's chassis oil, grease levels checked and filled to recommended levels. Anti-freeze solution brought to original level after installation of body heater system, if so equipped. Batteries fully charged. Unit weighed and road tested. All auxiliary equipment serviced and tested for proper operation. Unit is to be thoroughly cleaned inside/outside.

## **INSPECTION(S)**

Swab Wagon Company, Inc. requests that customers inspect progress on their new apparatus twice during the build process. The first inspection should be done upon mounting of the body onto the chassis. At this point, the customer should select placement of items such as electrical outlets, special shelves, junction boxes, the battery conditioner, switch

layout, placement of hand lights, etc. The second inspection should be done prior to delivery of the completed apparatus. At this inspection, the customer should inspect the craftsmanship of the unit, verify that the specifications/design have been met, and can also make any final requests for minor changes and additions.

All travel expenses related to inspections shall be incurred by the customer. Swab Wagon Company does offer our company camp facility, Happy Valley, free of charge as a courtesy to our out-of-town customers.

The customer is welcome to perform as many inspection visits as they wish (within reason). All inspections are to be scheduled in advance with Swab sales personnel. Inspection teams are requested to not exceed six (6) fire company personnel.

Customers who fail to perform any inspections of their unit while in production, forfeit the right to request any changes (free of charge) to the placement of items, not specifically spelled out in the specifications, after the completed unit is delivered.

## **CHANGES & ADDITIONS**

All Changes & Additions to contract, including additional charges or credits, shall be submitted to customer for approval. All submissions, accepted or rejected, shall be returned to SWAB. In the case of an accepted Change & Addition, the work shall not be implemented until such time as the necessary documents have been returned to SWAB and the conditions (terms), if any, of the order have been satisfied.

## **WORKMANSHIP**

The design, construction and finish to above body and equipment to equal or exceed previous SWAB rescue/squad bodies.

## **WARRANTY**

- [A] Body and specified equipment is warranted free of defects for a period of two (2) years from date of delivery. Body manufacturer shall be responsible for defects in fiberglass-plastic materials during this same period of time.
- [B] Auxiliary equipment (i.e. heat/cool units, warning lights, etc.) to carry respective manufacturer's warranty with purchasing agency responsible for labor cost to replace defective equipment.
- [C] Electrical and paint work to be warranted for two (2) years from date of delivery to original owner for 100% of the expense to perform required replacement/repair to correct defects in electrical design/installation and/or paint workmanship.
- [D] Upon notification, SWAB will perform required repair/replacement work under the following procedures:  
(NOTE - SWAB reserves the right to stipulate which procedure warranty will be performed by.)
  - [D1] At customer's location by SWAB service personnel.
  - [D2] At customer's location by SWAB approved/qualified outside contractor upon receipt by SWAB of quotation for said work.
  - [D3] At SWAB facilities in Elizabethville, PA in which case the unit will be returned to SWAB at owner's expense.
- [E] All claims for warranty repairs must be filed with SWAB **PRIOR** to repairs being started. All claims must be filed within the above specified warranty periods. SWAB reserves the right to deny any and all warranty claims that have been started and/or completed without proper notification to SWAB.
- [F] All warranties voided by accident repair(s), body modification(s), and/or transfer to new chassis by a party other than SWAB, unless approved in writing by SWAB. All warranties voided upon transfer of ownership to another party from original owners.

**[G]** Electrical warranty voided by alterations and/or modifications to electrical system when performed within the warranty period when accomplished by party other than SWAB unless approved in writing by SWAB. Repairs by others of chassis original electrical system does not constitute a warranty void.

## **COMPLETION ESTIMATE**

Completion of a Pioneer unit is estimated at 12 weeks from the receipt of the chassis, providing the body has been produced prior to receipt of chassis. SWAB will not be held responsible for delays caused by chassis production, or delays in material delivery from customer or vender supplied equipment.

## **DETAILED SPECIFICATIONS**

These detailed specifications and/or drawings are provided for the purpose of outlining details of manufacture and production and shall remain the property of SWAB. Specifications and/or drawings shall not be transferred to other agencies, associations, or individuals without the express permission being granted by SWAB. These detailed specifications and/or drawings may be used in the preparation of public papers. Specifications are subject to change without notice.

## **INSURANCE**

SWAB **does not** carry insurance on Customer owned vehicles (cab & chassis); and as such will not be liable to loss or damage due to fire, theft, vandalism, windstorm or any other Acts of God.

## **MATERIAL / EQUIPMENT SUBSTITUTION**

Due to the constant updating and improvement of designs and equipment by chassis manufacturers, and subsequent changes in model numbers and designs of chassis-specific after-market equipment items, Swab Wagon Company, Inc. reserves the right to substitute model numbers of equipment items for the specific model year of the chassis being supplied without notice to the customer. Due to constant updating and improvements of designs by our suppliers, Swab Wagon Company reserves the right to supply equipment items equal or superior to the model number of the equipment items contained within these specifications, without notice to the customer.

## **CUSTOMER SUPPLIED EQUIPMENT / MATERIAL**

Customer supplied equipment must be received by SWAB no later than sixty (60) days from date contract has been awarded. Materials delays can and will cause production delays. SWAB will not be held to production deadlines when customer supplied materials are not received by SWAB per the sixty (60) day receipt requirement. All material shipments must bear the job (customer) name on the packing list.

Customer will furnish to SWAB an itemized check list of all customer supplied materials that will be shipped to SWAB. Check list must be furnished to SWAB when the materials are ordered.

All claims for materials received in a damaged condition shall be the responsibility of the customer. The customer shall also be responsible for securing RMA (return materials authorization), also known as RGA (returned goods authorization), and cost incurred by SWAB for return material shipments.