"The Barge Specifications Sheet"

1.0 General Unit Specification

27 foot Workraft with tri-tube or flat bottom hull

1.1 Unit Operational Limits

- Maximum working pressure: 3,000 psi
- Maximum working rate: 9 gpm

1.2 Unit Dimensions & Permitting

The unit dimensions will be within:

- Length: 27’
- Width: 8’-6”
- Weight: 6,700 lbs

The unit & trailer combination will comply with all US & MN DOT regulations for unit dimensions.

The unit systems are detailed as follows:

2.0 Equipment Systems

2.1 Trailer Specifications

The Trailer will be a heavy duty, mobile, multi-purpose platform that will include the following features and compliances:

- Bumper pull trailer frame
- US and MN DOT Compliant for On-Road Transportation
- Steel Beam / Frame Construction (at minimum)
- Heavy duty 2-5/16” Ball Attachment
- Sealed electrical wiring
- Two Axle spread, 5,000 lb rated axles
- Hydraulic Surge Brakes
- DOT compliant vehicle lighting and conspicuity marking
- Heavy Duty Steel Fenders
- Carpeted wood bunk Assembly

2.2  Power Units / Drivetrains

2.2.1  Primary Drive Engine

- 630 twin Honda motor
- Hydraulic pump
- Inverter
- In-line fuel filtration system
- Muffler
- Heavy duty muffler brackets suitable for rough terrain
- Does Not Include Boat Motor

2.2.2  Fuel System

This unit will be equipped with gasoline storage and distribution system with the following specifications:

- One 55 gallon fuel tank mounted in center tube
  - In line filter
  - Equalizing crossover between tanks
  - Tank breather fittings
  - Filtration screen installed in fill necks

2.2.3  Hydraulics System

Features on the hydraulic system to include:

- Nine Valve in-line hydraulic bank
- Closed loop circuit w/ speed and pressure controls integral w/ hydraulic pump
- Common hydraulic reservoir equipped as follows:
  - Aluminum construction
  - In line filter
  - Filter breather cap
  - Clean out cover
• All hosing, fittings, and tubing necessary to complete the system. Hoses will be pressure rated rubber hydraulic hose line. All standard cleanliness and “pigging” procedures will be followed in hose construction and health of the system.

The installation of the hydraulics system will be performed in a clean environment. All hydraulic fluid will be filtered during the initial system fill process. During startup all component case drain pressures will be monitored to insure correctness of installation and health of the system.

2.3 Pressure Pumping Equipment

Nine Gallon Per Minute Pump Unit

2.4.1 Operator Console

Installed in the rear of the unit, in the center between the back rack & front forks, will be an operator console that allows the unit operator to control the unit systems. The operator console specification is as follows:

• Stainless or brushed aluminum construction
• Option aluminum / fiberglass windshield
• Weather tight
• Accessible from the barge deck
• Access hatch for hydraulic reservoir
• Two font doors to access battery & hydraulic valve bank

2.4.2 Controls Package

The controls package on this unit will be a 9 valve bank. Details of the Elite control package are available upon request.

Installed near the control console will be a mechanical gauge panel to monitor the following unit parameters:

• One (1) Fuel Level Gauge
• One (1) PSI Gauge (Optional)
• One (1) Sea Star Controls (if you purchase the boat motor from Elite)
3.0 Unit Completion & Delivery

3.1 Custom Paint Scheme

- The barge deck will be painted with non-skid paint

The unit will be painted with the industrial paint scheme as specified by the customer.

3.2 General Assembly Practices

The following general procedures will be used in the design and assembly of this unit:

- All hosing or wiring in contact with any metallic surface will be protected with rub guard(s)
- All hosing or wiring in close proximity with hot surfaces (i.e. engine exhaust manifold) will be secured to a heat-shielded, secured, and routed to avoid any rubs or contacts
- All hosing systems will be produced and recorded as system kits, and are re-producible

4.0 Fork Assembly Tilt Bed

5.0 Downriggers

6.0 Winches

7.0 Rear Tool Rack

8.0 Front Tube Reinforcement

- Tuff Toons