

ALLEGAN COUNTY ROAD COMMISSION

SPECIFICATIONS FOR GLIDER KIT CAB AND CHASSIS PURCHASE WITH WRECKER FABRICATION AND INSTALLIATION OF COMPONENTS

TRUCK GVWR IS _____

The following is a list of Minimum Acceptable Requirements for chassis, fabrication and assembly that are to be bid under this proposal. All blank spaces listing options or dimensions are to be filled in. All bids are to include delivery of units to the Road Commission.

1. Engine –Cummins Reman (factory installed) 370 - 430 hp 1998 emission compliant.

Torque _____, @ _____ RPM

2. Engine Requirements-

- (a) Automatic shutdown for low oil pressure
- (b) "Fleet Guard" spin-on type water filter or equal
- (c) Front crankshaft adapter for P.T.O. – “Spicer” Flange #2-2-479
- (d) Engine manual, software cables and adapters

3. Radiator & Grill - Heavy duty radiator with factory-fabricated hole to accommodate front mounted P.T.O. pump, Shaft and joint assembly.

NOTE: Hole in radiator and grill is unnecessary if radiator is mounted above pump shaft alignment.

4. Drive Line – Spicer heavy duty drive line with two-section shaft with center bearing to accommodate new chassis length as needed or necessary

5. Clutch – Eaton Fuller 15-1/2’’ double disc

6. Rear Axle (additional to be added making unit a “tandem”)

Option 1. Front Drive Axle _____

Option 2. Rear Tag Axle _____

7. Rear Suspension – Spring type with overloads minimum capacity 26,000 (each axle) lbs.

8. Front Axle – Set forward, minimum Capacity 20,000 lbs.

9. Front Springs -10,000 lbs. each spring.

- (a) Shackle pins, minimum diameter - 1 inch.

10. Power Steering - ROSS - Hydraulic Assisted Type Yes____ No____

Turning Radius Degree_____, outer circumference _____ feet

11. Air Brakes - Spring-set parking brake with warning light & buzzer.

- (a) Compressor shall be a Bendix BA-921 or equal.
- (b) Front Brakes: 16 1/2 X 6" Rockwell TQ, S-Cam with dust shields and Haldex automatic slack adjuster.
- (c) Rear Brakes: 16 1/2 X 7" Rockwell TQ, S-Cam with dust shields and Haldex automatic slack adjuster.
- (d) Heated air dryer = "Bendix" AD9 or equal required

12. Frame - Double channel _____, continuous for entire length.
R.B.M. _____, Section Modulus _____,

Strength _____

DOUBLE CHANNEL: (Frame to have all seams sealed)

- (a) Main channel 3/8 X 10 3/4 inch minimum-Secondary channel-1/4 X 9 15/16 inch minimum.
 - (b) Frame to have one (1) cross member behind rear axle
 - (c) Frame to have two (2) cross members in Cab to Axle section Minimum
 - (d) Frame to have one (1) cross member at rear cab support and one (1) cross member at front of motor.
 - (e) No holes shall be placed in frame that are not necessary for assembly or attachment.
 - (f) Frame to extend 20" ahead of grill (bolt on frame extensions are NOT acceptable).
 - (g) Frame rails to be bolted together with flange bolts & nuts
 - (h) All frame mounted equipment to have minimum 24" ground clearance.
 - (i) Top of frame shall be straight from front to rear.
13. Shock Absorbers – Steer axle shocks required.
14. Tires, Hubs, and Wheels – Drive will be supplied by the Allegan County Road Commission
- (a) Front tire size 315-80R-22.5
 - (b) Front wheels shall be heavy duty steel ten (10) hole disc hub piloted
 - (c) Dual rear tire size 12R-22.5
 - (d) Rear wheels shall be heavy duty ten (10) hole disc hub piloted
 - (e) Rear hub conversion to hub pilot style hubs
15. Electrical System ** Multiplex wiring is NOT acceptable **
- (a) 12 volt, negative ground
 - (b) 145 AMP heavy duty Delco 24Si alternator
 - (c) Four (4) batteries minimum 2500 CCA
 - (d) Main disconnect switch shall be (Flaming River P/N FR 1005) mounted inside cab on floor by right door.
16. Gauges (direct reading type) - (a) Oil pressure (b) Water temperature (c) Ammeter or Voltmeter (d) Air pressure, (e) Dash mounted air filter restriction gauge, (f) Tachometer, (g) Fuel gauge and (h) Engine hour-meter.
17. Warning lights and/or buzzers for safety - (a) for low air pressure, (b) engine overheating, (c) low oil pressure, (d) back-up alarm (e) down riggers
18. Truck Cab
- (a) Conventional type with heavy-duty cab mounts front and rear.
 - (b) Cab to be corrosion and rust protected between inner and outer walls
19. Cab Insulation - Complete insulation package to include floor, roof, backwall, firewall and doors.
20. Tinted Windshield
21. Fenders - Fender-Hood combination assembly is desired. If bid, a minimum of 36-inch wide opening must be provided with stationary grill.
- (a) A tip-ahead, pit-type fender with butterfly hood and stationary grill is optional.
 - (b) Fender Material:
Fiberglass _____ Steel Plate _____

- 22. Cab- Air conditioning, heater with shut off valve, cruise control , power windows, tilt wheel, AM/FM radio, spotlight on left side, both outside heated mirrors west coast type with double brackets, 12-V power point, marker lights, 4-extra ignition controlled switches, snowplow headlight prep package, low hydraulic oil level light, two (2) – 2” holes in dash for hydraulic gauges, air ride cab, grab handles both sides, left side roof mounted dual air horns, engine fan override switch, electric intermittent wipers.
- 29. Fuel Tank – 50 gallon minimum capacity
- 30. Paint Color - Imron Flame Red #8554, Paint top of truck hood Flat Black
- 31. Parts Books, Parts CD Rom, and Shop Repair Manuals Must be Furnished Before Final Payment is Made.
- 32. Key Code shall be D 425
- 33. Fabrication and assembly – Removal and installation of the following components including prep and paint
 - (a) Front bumper and hitch
 - (b) Emergency and auxiliary lighting systems
 - (c) All steps
 - (d) Winch and cables
 - (e) Bed, headache rack, brackets and hangers
 - (f) Down riggers
 - (g) PTO shaft and hydraulic systems including: pump, controls, tank and necessary plumbing
 - (e) Replacement and conversion of bed lights to LED
 - (f) Hydraulic oil is Mobil CAM 2 ATF

EXCEPTIONS:

OPTIONS:

Transmission up grade _____

WARRANTY

<u>Component</u> <u>Years</u>	<u>Parts & Labor Coverage</u>	<u>Miles</u>	
ENGINE	100% Parts & Labor	_____	_____
TOTAL VEHICLE	_____	_____	_____
FRAME	_____	_____	_____
CAB CORROSION	_____	_____	_____
CAB STRUCTURE	_____	_____	_____
FABRICATION	_____	_____	_____

The Allegan County Road Commission reserves the right to request any specification or component measurements

The Allegan County Road Commission reserves the right to request any specification reviews with the county, manufacturer and finishing fabricators

*Bidders -Order to Manufacturer to be checked and signed by Allegan County Road Commission before final construction order is submitted.