Request to appear before the Board of Sele

Item #4

Unless the issue is an emergency, all requests need to be furnished to the Town Administrator no later than noon on the Thursday prior to the Board Meeting.

Name: Gerry Cornett

Date: 5/28/2013

Phone Number: 603-487-5000

Email: g.cornett@newbostonnh.gov

ACTION DESIRED: Please specify what action you desire the Board of Selectmen to take as a result of your presentation. Please be as specific as possible.

Updated Enforcement Letter (Review and Approval)
Annual Mailing Guide (Review and Approval)
Tri-axel Trailer Bid Review (Review and Approval)

PREVIOUS STEPS TAKEN: Please indicate any attempts that you have made to resolve this issue prior to asking to appear before the Board of Selectmen. If current procedures require that you place your request elsewhere prior to possible action by the Board of Selectmen, the Town Administrator shall inform you at the time you complete this form.

Print Form

New Boston Transfer Station Recycling Spot-check Log

Date_____

License #	Date	Items	First warning	Second warning	Final
Address		Recycle # or Item	Tri-fold given	Supervised dumping	Administration Letter

BID SPECIFICATION FOR FURNISHING

(1) TRIAXEL 75 CUBIC YARD TRI-AXEL PUSHOUT TRANSFER TRAILER

Town of: New Boston

In the State of: New Hampshire

General Description:

It is the intent of these specifications to describe a 75 cubic yard, steel closed top, push out tri-axel transfer trailer. The transfer trailer shall be deemed a semi trailer as commonly described in the trade. It shall be built to the specifications described herein and will meet or exceed all applicable state and federal regulation.

The body shall contain a full cross-section dimension hydraulically operated panel that will be used for load ejection. The panel will be built to ensure a complete ejection of transported materials. The capacity of the trailer shall be 75 cubic yards exclusive of the movable push out panel at rest in the forward most position in the trailer body.

The trailer shall be equipped with a "Barn door style" type tailgate with an opening for connection to a stationary 11 yard compactor with a 36 inch penetration ram. Onsite visit required to obtain all necessary measurements to insure proper fitment and clearances. The tailgate shall include a heavy duty vinyl net cover assembly made to customer specification. (Fig 2, Fig 2A, Fig 2B)

The trailer shall be a tri-axel spring suspension with an ABS/ Air braking systems that meets or exceeds the axel manufactures specifications and all applicable State and Federal DOT regulations.

All materials used in the manufacturing of the equipment shall be new and unused.

It is required that the trailer , as specified herein , including standard and optional equipment shall be completely assembled, adjusted and ready for service upon delivery.

A Two year warranty for manufacturer defect and all additional warranties (paint, tires, etc) shall be documented and initiated upon the date of delivery.

Material or specification substitutions may be made only with approval of designated representative of purchaser. Substitutions must be of equal or greater quality of the item or items in question.

Verification of materials used during construction to meet bid specifications shall be provided to insure bid standards were achieved or exceeded to meet all vendor warrantee requirements. (MSDS, ISO 9001 documentation, tires, paint procedures, etc.)

Any bids not meeting minimum (See Attachments) requirements can be disqualified.

Winning bid will be awarded to the package that best meets the needs of the Town of New Boston.

Any defect due to manufacturer not meeting bid or material supplier specifications or sub standard materials use will be repaired at full cost by the manufacturer to minimum bid standards. (5 Years)

Bid shall include delivery to: Town of New Boston Transfer Station

Item

Capacity

1) Trailer capacity 75 cubic yards. (Exclusive of ejector assembly)
2) a) Overall outside length – 39'
   b) Overall outside width – 8'
   c) Overall outside height - 12' 6" (based on 11R22.5'' tires)
   d) Inside width - 7' 5''
   e) Inside height - 8'

Loading

Loading through rear opening with main door closed to match customer stationary compactor and secured with side holds to match manual ratchets on compactor.

Securing for Transport and Unloading

1) Rear Barn door is to be heavy duty hinged on curbside with grease fittings.
2) Tarp system to secure load for transport is to be constructed according to details and drawings provided by customer. A pulley style system to secure a vinyl coated mesh tarp in open position during operation and close tarp to be secured by bars and latches. (Figure 2- 2A)

Transfer Trailer Construction

1) Construction shall be all steel, designed in keeping with A.S.A.E. criteria with adequate bracing to withstand all forces generated by the compaction module. It shall be constructed of all new materials and the manufacturer is to certify that the unit as supplied shall be the latest model, incorporating the latest changes and modifications.
   a) The side walls will be constructed of minimum 1/8 inch Hardox 450 steel (175,000 min yield). Rear post 14" with 18" extension below bottom rail.
   b) Top shall be 1/8 inch Hardox 450 steel, (175,000 minimum yield)
   c) Floor is to be 3/16 Hardox steel, (175,000 minimum yield
   d) Floor Cross-members are to be 4" junior I-beams 12" on center.
   e) The ejector assembly shall be constructed of a minimum 1/8 inch Hardox 450 face plate backed by rigid brace members of 4"x 4" x 3/8'' horizontal and vertical formed box members to withstand greater forces than the maximum capability of the working hydraulic pressures of the compaction pressures and the discharge thrust.
   f) The ejector is to be guided by 8 replaceable steel shoes and a 6'', 12 pound per foot floor level guide channel.
   g) Cylinder support carriage is to travel in steel guide shoes.
   h) Tailgate sheet- 1/8 inch Hardox steel (175,000 minimum yield) special opening (Figure #3) with neoprene rubber, water tight seal across the bottom and up 18' on the sides to prevent leakage. The opening frame is to be 14''x 1/2 " steel plate with 3 inches of plate extending past door for docking clearance buffer. (Fig #3)
   i) Tailgate frame – 5" X 2.5" X 3/16 rectangular tubing.
   j) Trailer tailgate framing ¼ inch Hi-Ten box channel.
   k) HD rear bumper ref# (DTP-757-02)

LED Lights and Reflectors;

The transfer trailer shall be provided with LED lights that conform to Federal Motor Vehicle Standards Number 108.

The lights shall be LED, sealed Lexan Grommet mounted type and wiring to be a sealed harness system Truck-Lite or equal. Tailgate lights are to be "recessed mounted" or "eyebrow over" to protect lights from damage and spillage. License plate and light are to be recessed to provide protection. Mid mount Amber turn signals.

Landing Gear

1. Landing gear shall be a Holland MK-V, 2 speed, curb side crank capable of lifting 180,000 lbs pounds of static load with a lift capacity of 50,000 lbs with 100"pounds of input torque. Base will be a steel wheel / skid foot (sand pad).

King Pin

1. King pin shall be a standard 2 7/8, with a 36 inch setback. The king pin base assembly is to be made with 1/4 inch Hardox 450 and Domex cross-members.

Other Items:

1) Additional roof support cross-member beams at the rear or trailer are to be flush plated to prevent water / ice / snow from pooling reducing road hazard. See attached drawing (FIG #4)

2) No Spare tire carrier.

3) Front of trailer to be closed off to prevent spillage with 1.5" drain and plug on chain on front of trailer.

4) Install vinyl lettering "New Boston" provided by Customer to both sides of trailer.

5) Provide option cost to construct front of trailer flush and install removable panels to provide weather tight seals.

6) Install 2 fire hose fittings on roof. One centered and the second fitting "6" Feet from rear of trailer.

7) Mud flaps in front of rear tires are to be fixed steel and Flexible behind rear tires

8) Install Hub-o-meter

9) Install centered front ladder

10) Weather tight document holder

Item

Ejector / Packer Cylinder

a) The ejector panel shall be powered by a double-acting 5 stage telescoping cylinder with a minimum 8.5" in diameter primary active stage. This cylinder is to produce a minimum 85,000 thousand pounds of force at a delivered hydraulic pressure of 1500 psi. This cylinder will stroke no less than the full length of the body to insure a full discharge.
b) A mid mounted cylinder support carriage member supported by two steel wheels preventing cylinder sag will travel automatically with the cylinder during the extension and retraction cycles.

Hydraulic System and Power Source (Tank and Valve on Trailer)

a) Operating power is to be provided by the road tractor through a transmission mounted wet line kit to include disconnects matching tractor.
b) The tractor hydraulic pump shall be gear type rated at 37 GPM at 1500 PSI.
c) The hydraulic pump shall draw oil from the trailer mounted minimum 104 U.S. gallons reservoir filled to the proper operating level with a "FACTO POR 39" or equal hydraulic oil.
d) The reservoir shall be equipped with:
    1) Filler Port
    2) Filter breather cap
    3) 50 GPM in-line filter with manual cold weather bypass valve.
    4) Drain port with valve
    5) Site glass
e) A Street side trailer mounted manually operated spool valve assembly to be ported and relieved for a flow 25% greater than the tractor mounted pump (46.3 GPM) and a pressure relief valve (1500 PSI).
f) Hydraulic oil is to be carried to the trailer through 2 double wire braided hydraulic hoses. These are to be proper length to reach the tractor and equipped with high pressure disconnects. #16 high pressure line and #20 for low pressure line.

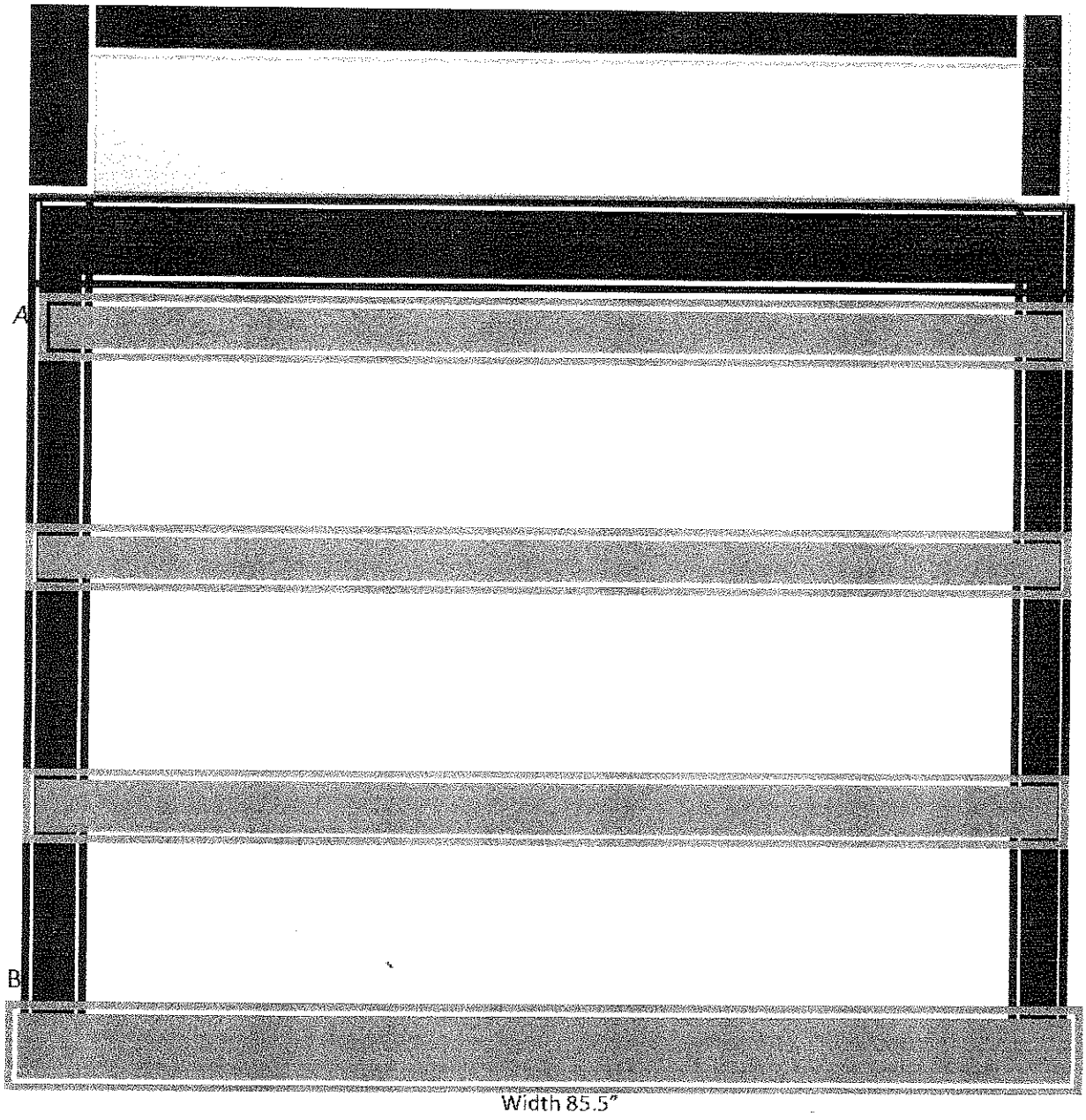
Axels and Suspension

a) The trailer shall be a tri-axel arrangement consisting of 3 Reyco 21-B spring suspension 25,000 pound axels installed with an 8" sub-frame. (1 year full warranty /13-60 months parts only)
b) Heavy duty air brakes and Haldex Auto Adjust-Slack Adjusters.
c) 12 Walther hub piloted wheels with short studs
d) 12 Michelin XZE 11R22.5 16 ply tires
e) 3- Spicer-Dana D22 / 25000# axels

Paint Procedure

1) The trailer will be sand blasted and cleaned thoroughly cleaned to bare metal removing all foreign materials: grease, dirt, slag, corrosion and old primer.
2) All exposed surfaces are to receive 2 complete coats of Sherwin Williams Genesis EZA960 3.5LBS VOC/GAL PRIMER
3) All primed surfaces are to receive 2 complete coats of Sherwin Williams Genesis GC Single stage top coat Black in color. ****Paint manufacturer procedures are to be followed and documented to insure full warrantee.
4) After complete drying of primary color in accordance to manufactures instructions the trailer is to have a complete undercoating of undercarriage. Two coats to be applied to high abrasion areas (over rear tires and axels and in the king pin area over drive axels.

PULL UP TARP

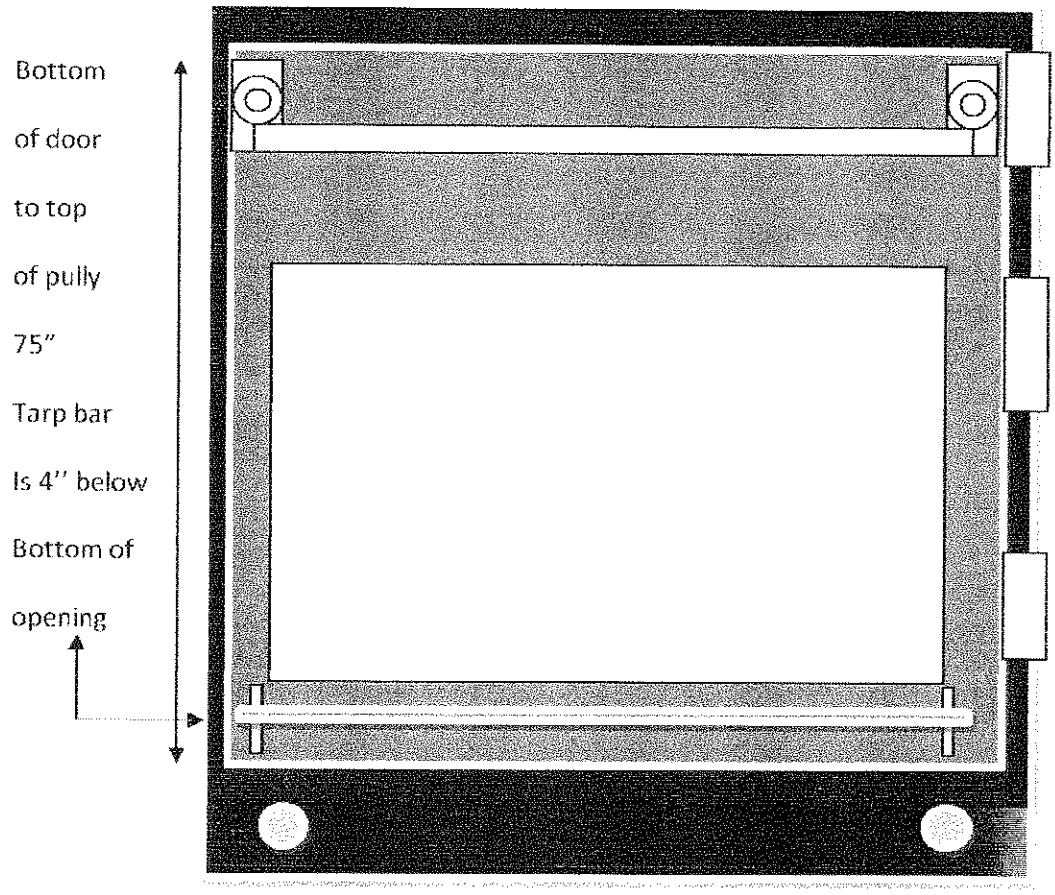


3) Pockets with 3 inch I.D. opening / Bottom pocket 4 inch I.D. opening

Top of top pocket (A) to top of bottom pocket(B) 53"
length of overall tarp determined by placement of pulley rail(faded red is area above opening)Heavy duty stitching double reinforced edges and pockets

(Fig 2)

Rear Door opening and Tarp System

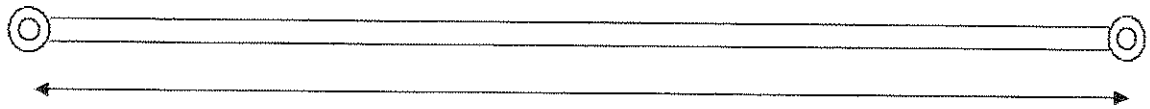


Trailer Body is black

Door is red

(Fig 2A)

Rear opening pull up Tarp Cross bars



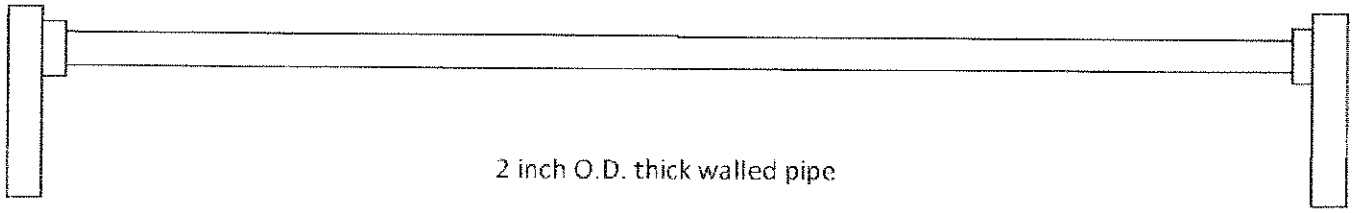
90 inches to center of openings

1 inch rod with ¾ inch opening in each end (needs to fit through tarp pockets)

3 Needed for tarp with 2 spares

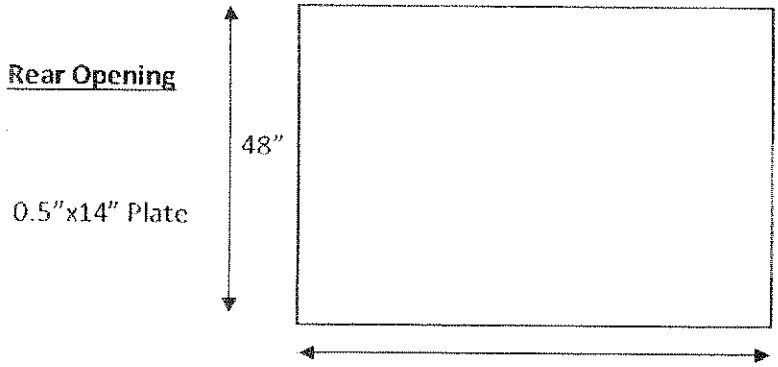
Rear opening pull up Tarp Bottom bar

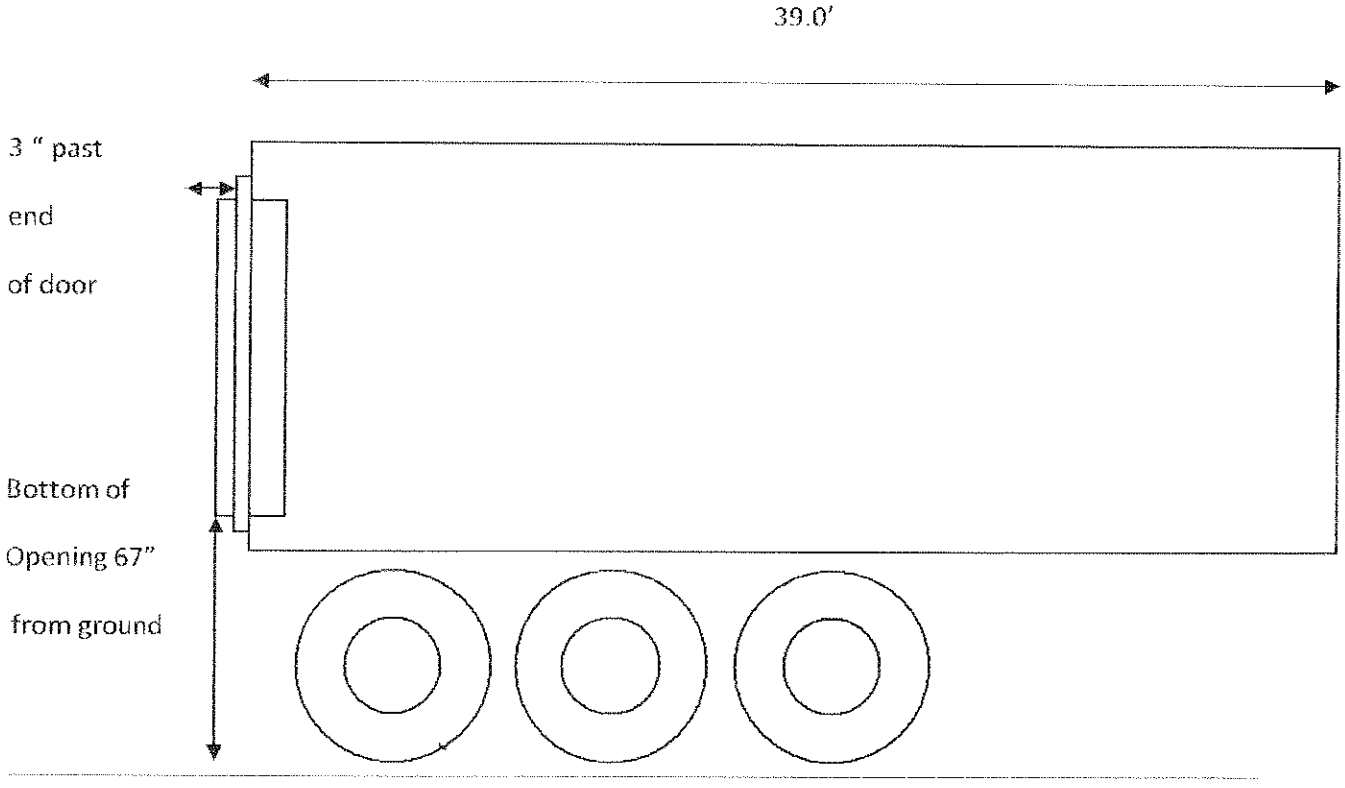
This pipe is used to secure bottom of tarp to rear door for transport



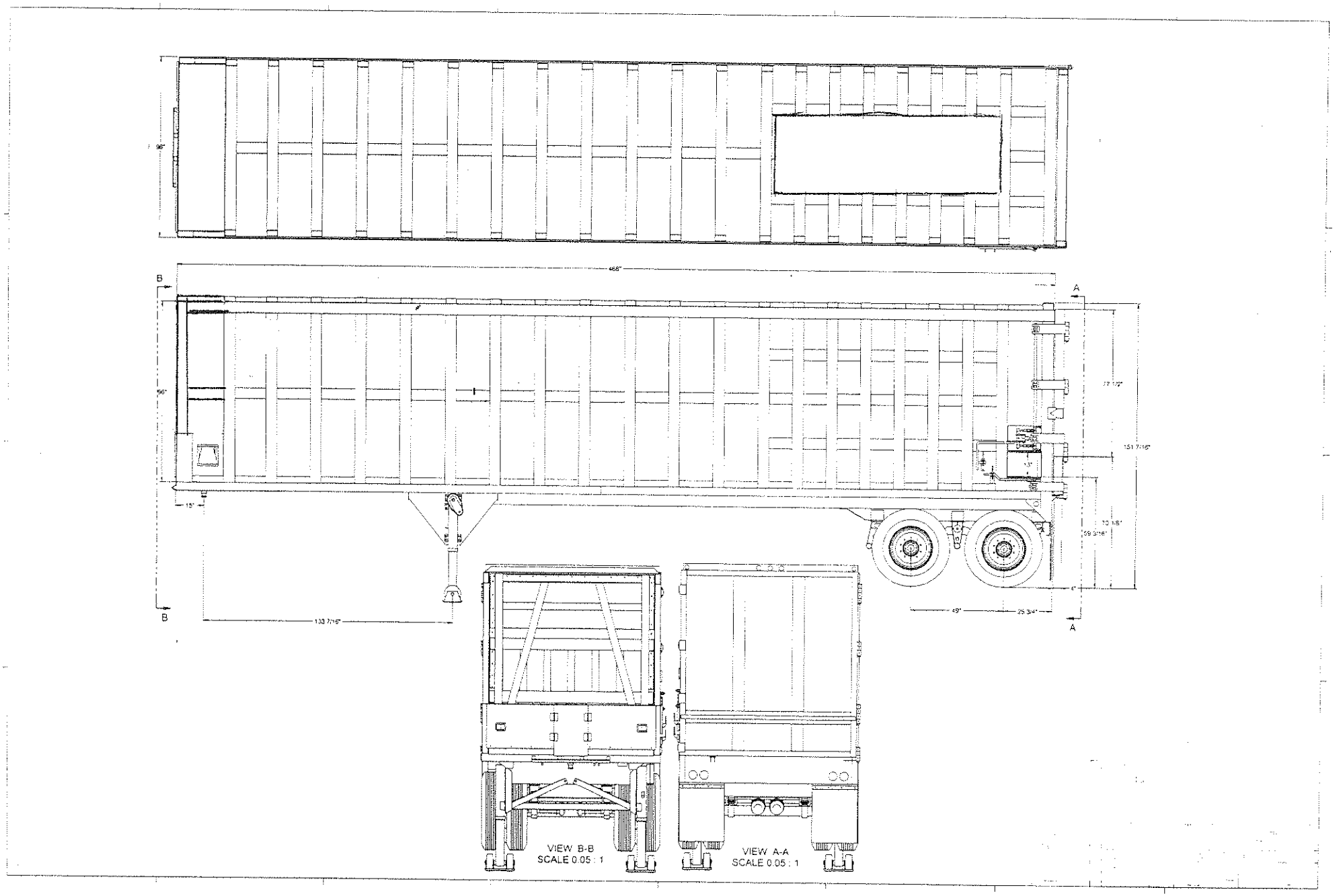
2 inch O.D. thick walled pipe

(Fig 2B)


Rear Opening
48"
0.5"x14" Plate
83.5"


39.0'
3 " past
end
of door
Bottom of
Opening 67"
from ground

(Fig. 3)



96"
468"
B
A
56"
15"
133 7/16"
49"
25 3/4"
VIEW B-B
SCALE 0.05 : 1
VIEW A-A
SCALE 0.05 : 1

(FIG #4)