

## **AIR-FLO® PRO-CLASS° STAINLESS DUMP BODY**

### **INTENT**

It is the intent of these specifications to describe a \_\_\_\_ cubic yard dump body. The dump body shall have a scissor type hoist and a lever release tailgate system. To promote the dirt shedding characteristics of the dump body, the horizontal bottom and outside top bends of the body shall have smooth rounded corners with a rounded radius of 1-1/8".

### **BODY**

The overall length of the dump body shall be \_\_\_\_ and overall width shall be 94". It shall have a capacity of \_\_\_\_ cubic yards without sideboards. The sides shall be \_\_\_\_ high. The inner side wall of the body shall be made of 10 gauge stainless steel and the outer side wall will be constructed of 12 gauge polished stainless steel. The top of the side shall have a 4-1/2" deep boxed top rail with a top radius bend of 1-1/8". The bottom of the sides will have 45 degree dirt shedding rub rail that is 6" wide from the bend and have a bottom radius bend of 1-1/8. The rear corner post shall be 12" wide and 5" deep and constructed of 10 gauge stainless steel.

### **HOIST & SUB FRAME**

The sub frame shall be of C Channel design 4-1/4" high by 3" wide by 3/16" wall thickness and welded at all joints. The sub frame will incorporate the rear hinge with an easily replaceable bolted hinge pin for the dump body. The sub frame shall also incorporate a hoist which shall be a combination of double arm and scissor design. The scissor hoist shall have a 5" x 20" lift cylinder with a 2" chromed rod that will ensure a dump angle of not less than 50 degrees.

### **CAB SHIELD**

There shall be a 1/4 cab shield made of 12 gauge stainless steel. The cab shield shall extend 15" from the front of the body.

### **FLOOR**

The floor shall be made of 2 piece, 7GA 201 stainless steel and supported by 1/4" thick trapezoidal longitudinals that span the entire length of the body. The floor shall be so designed and constructed that it will not have any underbody cross member bracing.

### **TAILGATE**

The 12 gauge polished stainless steel tailgate shall be 23" high. There shall be 4 vertical gussets full width that are 3" deep with radius bends of 1-1/8". The top of the tailgate shall be 4 1/2" deep with 1 1/8" radius bends. The bottom horizontal rail shall be full width. The tailgate shall have the lever release system which consists of a single lever handle mechanism attached to 1-1/4" pins. These pins are to be located on both sides of the upper outside edge of the tailgate and positioned to move through the tailgate and body hinge located in the rear corner post. The pin can be retracted through the single lever action to facilitate the horizontal position of the tailgate. The bottom hinge pins shall be 1" in diameter. The tailgate handle release will allow the tailgate to drop completely in a vertical position.

### **POWER UNIT (ELECTRIC OPTION)**

The hoist assembly shall be powered by a 12 Volt DC with intermittent duty motor power unit. The unit shall have a gear style pump with a single acting solenoid operated valve. The relief valve shall be set at 3200 PSI for up pressure. It shall have an oil reservoir with a capacity large enough to provide sufficient oil supply for the unit.