EAGLE LIFT
SPECIFICATIONS FOR 48" AND 50" SERIES "DOUBLE EAGLE" LIFTGATES
1,300 LB. AND 1,600 LB. CAPACITY

4/08

(BOTH A LIFTGATE AND A DUMP-THRU TAILGATE)

Made for 2-3 yd. dump bodies, 3-4 yd. dump bodies, and small platform dumps. The "Double Eagle" comes in two lifting capabilities with three models in each capacity.

I. MODELS AVAILABLE

A.	**Model E48-78 Double Eagle**	**1,300 lb. capacity**
B.	**Model E48-86 Double Eagle**	**1,300 lb. capacity**
C.	**Model E48-91 Double Eagle**	**1,300 lb. capacity**
D.	**Model E50-78 Double Eagle**	**1,600 lb. capacity**
E.	**Model E50-86 Double Eagle**	**1,600 lb. capacity**
F.	**Model E50-91 Double Eagle**	**1,600 lb. capacity**

II. LIFTGATE FEATURES

A. Bed-to-ground travel:
- **48" series has a 48" bed-to-ground travel capability.**
- **50" series has a 50" bed-to-ground travel capability.**

B. Electrical connections: Electrical power source is supplied through the vehicle's parking lights. The liftgate is wired via the license plate light wires on the truck. Turning off the parking lights will prevent unauthorized operation of liftgate. The liftgate will not raise without the parking lights in the "ON" position. A 150-amp heavy-duty circuit breaker w/manual trip switch is furnished to protect the battery and electrical system on the vehicle.

C. Control lever: control lever of liftgate is on the curbside of truck. Control lever is positioned on the inside of the upright so as to be inaccessible to small children.

D. Plated cylinder shaft: chrome plated cylinder shaft to help prevent rusting.

E. Hydraulics:
1. **All hydraulics are totally enclosed in the housing of the liftgate for weather protection.**
2. **Electric/hydraulic power unit has a built-in relief valve to prevent overloading of the liftgate while raising.**
3. **An in-line flow control valve on the cylinder helps control the speed of the oil coming out of the cylinder returning to the reservoir when lowering the liftgate under loaded conditions.**

F. Drop-away platform: platform of liftgate will "drop-away" for easy dock and forklift loading direct into truck bed.
G. Gates are painted in black electrocoat topcoat.

III. LIFTGATE SPECIFICATIONS

A. Liftgate housing: 8 ga. steel front and 10 ga. steel rear.
B. Upright housing: 10 ga. upright steel.
C. Reinforced single-wall platform with torsion spring:
   12 ga. smooth steel load skin.
   Five – 10 ga. vertical reinforcing channels run the full height of platform
D. Outer platform edge protection tube: 1-1/2" O.D. x 7/32" wall platform protection tube.
E. 7/8" dia. "D" hole pins with snap rings for arm pins.
F. Liftgate cable:
   1,300 lb. capacity liftgates have 1/4 dia., 6" x 36" (WS) stranded cable.
   1,600 lb. capacity liftgates have 5/16 dia., 6" x 36" (WS) stranded cable.
G. Pulleys: upright pulleys are 4" dia. and housing pulleys are 4-1/2" dia.
H. Cylinder: 1,300 lb. capacity cylinder has 1-3/4" bore with 17-3/8" stroke with 4-1/2" dia. pulley. 1,600 lb. capacity cylinder has 2-1/4" bore with 18" stroke with 4-1/2" dia. pulley.
I. Composite bushings: maintenance free bushings at all pivot points to eliminate the need for grease zerks and necessity of lubrication.
J. All retaining pins for pulleys, lift arms, cylinder trunnion and lift cables are to be retained by snap rings, not rivets, for easy accessibility.
K. Dump-thru tailgate release handle: single lever dump-thru tailgate release mechanism located on driver's side of truck. Operator able to unlatch and latch standing clear of truck rear.

IV. LIFTGATE OPTIONS

A. Recessed light kits are available on all models.
B. 2-button hard wired hand-held control system with plug-in.
C. Electric/hydraulic lock-out valve to prevent the lowering of the platform unless 12 voc is supplied to the control valve.
D. Aluminum treadplate platform
E. Audible safety alarm