

# PORT AUTHORITY CRANES



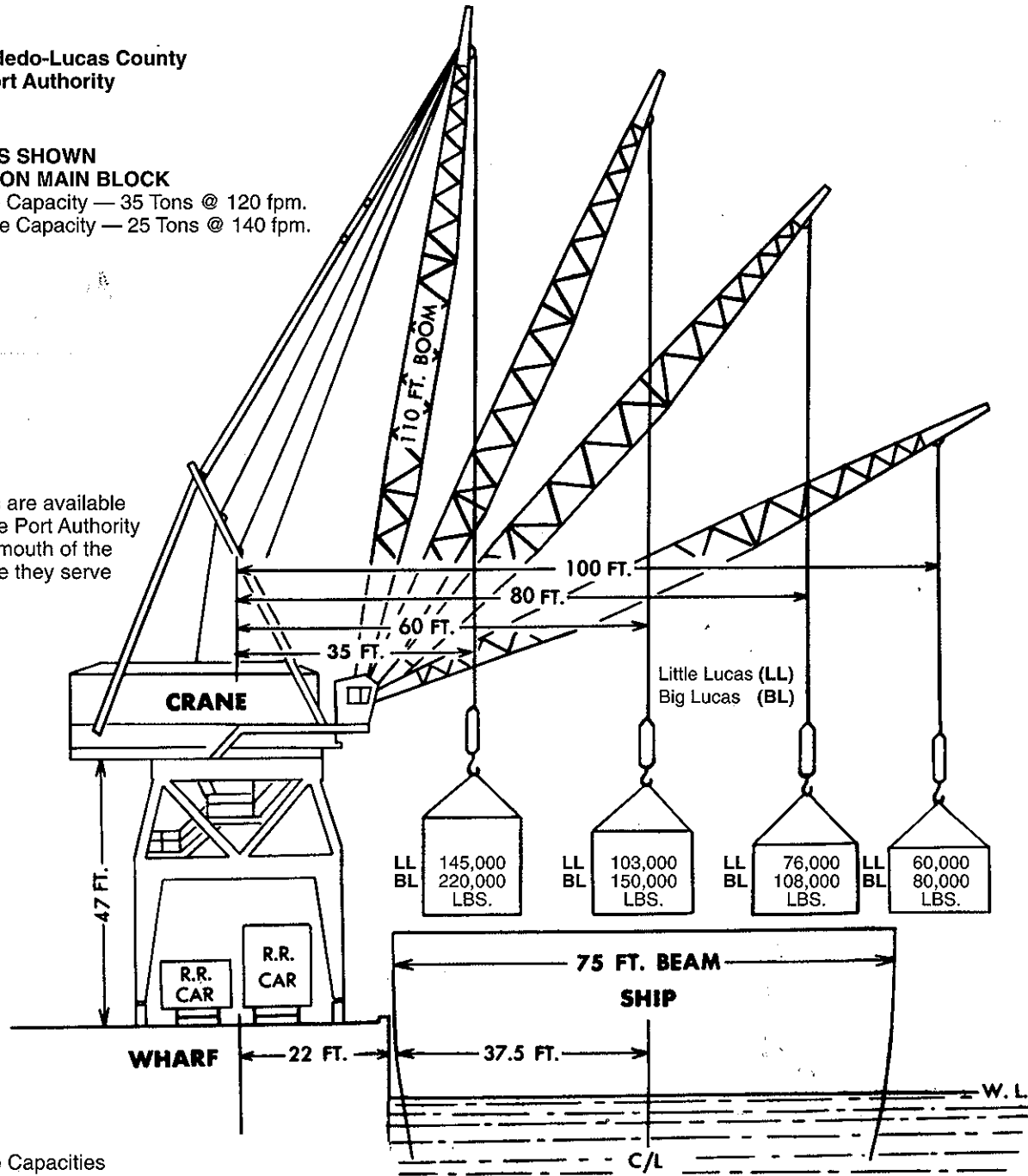
Toledo-Lucas County  
Port Authority

**RATED CAPACITIES SHOWN  
FOR HEAVY LIFTS ON MAIN BLOCK**

Big Lucas Whip Line Capacity — 35 Tons @ 120 fpm.  
Little Lucas Whip Line Capacity — 25 Tons @ 140 fpm.

These gantry cranes are available for general use at the Port Authority Facility No. 1 at the mouth of the Maumee River where they serve eight ship berths.

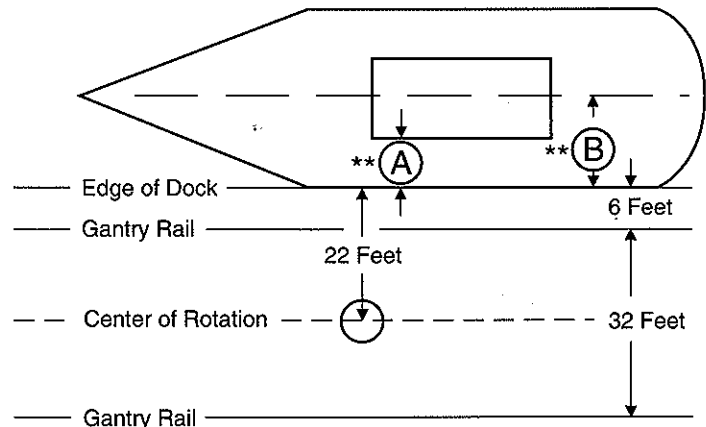
For additional information see reverse side



**Port of Toledo Crane Capacities**

\* For heavy lifts using two cranes  
\*\* Shipper to supply variables

Radius (Feet)	"Big Lucas" Crane No. 1 Pounds	"Little Lucas" Crane No. 2 Pounds	Two Crane Lift Total Pounds
35	220,000	145,000	290,000
40	206,000	145,000	278,000
50	180,000	122,000	244,000
60	150,000	103,000	206,000
70	128,000	88,000	176,000
80	108,000	76,000	152,000
90	94,000	67,000	134,000
100	80,000	60,000	120,000



\* Figures shown are subject to variables according to cargo and placement

\*\* Variables to be supplied in feet by shipper (A) (B)

# PORT AUTHORITY CRANES



## "LITTLE LUCAS"

### Clyde Iron Works Whirley Model 24-DE

The fully revolving traveling crane runs on 4100 feet of rail and spans two apron railroad tracks. The height of the boom foot is 56 feet above the apron. The boom is 100 feet long and is equipped with a jib block and a main tackle block. The jib (whip) line is a two part line capable of 25 short tons at 140 f.p.m. The main block is a 72.5 short ton block capable of speeds of 35 f.p.m. on an eight part line.

The crane is rated to place 51.5 short tons into the center of the hatch of a typical Seaway ship, and a 72.5 short ton load onto its deck. It is also designed for high speed Bucket, Grapple and Magnet work and will be made available for such work upon application. Capacities for heavy lifts are as follows:

Radius of Each Crane (Ft.)	Distance out from Wharf Face (Ft.)
35	13
40	18
50	28
60	38
70	48
80	58
90	68
100	78

## "BIG LUCAS"

### American Hoist & Derrick Model 254 Revolver

The fully revolving traveling crane runs on 4100 feet of rail and spans two apron railroad tracks. The height of the boom foot is 47 feet above the apron. The boom is 110 feet long and is equipped with a jib block and a main tackle block. The jib (whip) line is a three part line capable of 35 short tons at 120 f.p.m. The main block is a 110 short ton block capable of speeds of 25 f.p.m. on a ten part line.

The crane is rated to place 75 short tons into the center of the hatch of a typical Seaway ship, and a 110 short ton load onto its deck. It is also designed for high speed Bucket, Grapple and Magnet work and will be made available for such work upon application. Capacities for heavy lifts are as follows:

Little Lucas Capacity (Lbs.)	Big Lucas Capacity (Lbs.)
145,000	220,000
145,000	206,000
122,000	180,000
103,000	150,000
88,000	128,000
76,000	108,000
67,000	94,000
60,000	80,000

The Authority furnishes an operator for the cranes but does not provide stevedoring service or slings or other equipment.

(Capacity illustration, see reverse side)

For additional information — phone - fax - write



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