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# BX3 Series Truck Service

**AIR DOCK LEVELERS 25,000, 30,000, 35,000,  
40,000 & 45,000 lb. CAPACITIES**

## ARCHITECTURAL SPECIFICATIONS

### GENERAL

The BX3 Series pit mounted air dock levelers are available in one conventional heavy duty style.

**BX3 Series - Two movement with 16" hinged flip lip.**

### DESCRIPTION

Adjustable air dock leveler with two movements: (1) Up, (2) down. Dock leveler to be \_\_\_\_\_ ft. long x \_\_\_\_\_ ft. wide with a static capacity of \_\_\_\_\_ lbs. Platform to be constructed of floor plate reinforced by C channel deck support beams. 16 in. hinged flip lip to be activated mechanically when deck comes up. 24" Total vertical travel, 12" above floor level and 12" below floor level. Deck will compensate a maximum of 4" from side to side to service unlevel vehicles. Dock leveler is constructed of 55,000 lb. minimum yield steel tread plate. Dock leveler to be equipped with toe guards and a set of dock bumpers. Dock leveler to meet or exceed the performance requirements of CS202-56., OSHA and ANSI MH14.1-1984.

### SCOPE

This specification describes a manual operated, adjustable mechanical dock leveler, to be installed in a pit and/or affixed to loading platforms and to compensate for uneven heights between the truckbed and the dock.

### DIMENSIONS

MODEL	CAP. (LBS.)	WIDTH	NOMINAL LENGTH	THICKNESS		DECK	WEIGHT
				DEPTH	LIP		
BX3662.5	25,000	72"	6'	19"	1/2"	1/4"	1,370
BX36625.5	25,000	78"	6'	19"	1/2"	1/4"	1,750
BX3762.5	25,000	83"	6'	19"	1/2"	1/4"	1,510
BX3682.5	25,000	72"	8'	19"	1/2"	1/4"	1,655
BX36825.5	25,000	78"	8'	19"	1/2"	1/4"	2,020
BX3782.5	25,000	83"	8'	19"	1/2"	1/4"	1,810
BX36102.5	25,000	72"	10'	24"	1/2"	1/4"	1,944
BX361025.5	25,000	78"	10'	24"	1/2"	1/4"	2,498
BX37102.5	25,000	83"	10'	24"	1/2"	1/4"	2,675
BX3663.0	30,000	72"	6'	19"	1/2"	1/4"	1,340
BX36630.5	30,000	78"	6'	19"	1/2"	1/4"	1,790
BX3763.0	30,000	83"	6'	19"	1/2"	1/4"	1,840
BX3683.0	30,000	72"	8'	19"	1/2"	1/4"	1,580
BX36830.5	30,000	78"	8'	19"	1/2"	1/4"	2,225
BX3783.0	30,000	83"	8'	19"	1/2"	1/4"	2,264
BX36103.0	30,000	72"	10'	24"	1/2"	1/4"	2,228
BX361030.5	30,000	78"	10'	24"	1/2"	1/4"	2,650
BX37103.0	30,000	83"	10'	24"	1/2"	1/4"	2,703
BX3663.5	35,000	72"	6'	19"	5/8"	1/4"	1,380
BX36635.5	35,000	78"	6'	19"	5/8"	1/4"	1,795
BX3763.5	35,000	83"	6'	19"	5/8"	1/4"	1,854
BX3683.5	35,000	72"	8'	19"	5/8"	1/4"	1,695
BX36835.5	35,000	78"	8'	19"	5/8"	1/4"	2,225
BX3783.5	35,000	83"	8'	19"	5/8"	1/4"	2,289
BX36103.5	35,000	72"	10'	24"	5/8"	1/4"	2,455
BX361035.5	35,000	78"	10'	24"	5/8"	1/4"	2,690
BX37103.5	35,000	83"	10'	24"	5/8"	1/4"	2,739
BX3664	40,000	72"	6'	19"	5/8"	1/4"	1,557
BX36640.5	40,000	78"	6'	19"	5/8"	1/4"	1,832
BX37640	40,000	83"	6'	19"	5/8"	1/4"	1,884
BX36840	40,000	72"	8'	19"	5/8"	1/4"	1,904
BX36840.5	40,000	78"	8'	19"	5/8"	1/4"	2,258
BX37840	40,000	83"	8'	19"	5/8"	1/4"	2,320
BX361040	40,000	72"	10'	24"	5/8"	1/4"	2,480
BX361040.5	40,000	78"	10'	24"	5/8"	1/4"	2,720
BX371040	40,000	83"	10'	24"	5/8"	1/4"	2,770
BX3664.5	45,000	72"	6'	19"	5/8"	1/4"	1,734
BX36645.5	45,000	78"	6'	19"	5/8"	1/4"	1,860
BX3764.5	45,000	83"	6'	19"	5/8"	1/4"	1,913
BX3684.5	45,000	72"	8'	19"	5/8"	1/4"	2,112
BX36845.5	45,000	78"	8'	19"	5/8"	1/4"	2,290
BX3784.5	45,000	83"	8'	19"	5/8"	1/4"	2,350
BX36104.5	45,000	72"	10'	24"	5/8"	1/4"	2,505
BX361045.5	45,000	78"	10'	24"	5/8"	1/4"	2,750
BX37104.5	45,000	83"	10'	24"	5/8"	1/4"	2,802

Additional capacities and 6'6" wide models available, consult factory.  
 Standard 10' Models also available.

### OPERATION

The Beacon BX3 air dock leveler is simple to operate and is activated by push button release, fully mechanical. Counter balance system is powered by exclusive direct extension spring method. The lip will extend and lock in position automatically when the dock ramp is activated. To unlock the leveler, simply walk the unit down, the unit will rest on the truck bed and the lock will automatically release. Our yieldable lip allows the lip to close quietly, automatically and yield upon impact. To retract legs for below dock service, pull up on the chain assembly in front center of deck and walk the unit down to the level that is needed. In case of power outage, conveniently located pull chain allows for manual activation.

### Easy Installation

Factory air can be utilized or optional compressor can be mounted above opening, next to door, or in a remote location. One hundred feet of air line is provided with each unit.



### CONSTRUCTION

The capacities of the BX3 are available in 25,000, 30,000, 35,000, 40,000 and 45,000 lb. Structural C channel deck support beams are 100% welded to the back of the header plate; 6 each under 6' wide models and 8 each under 7' wide models. Deck shall be 3/4" thick and The Lip shall be 1/2" or 5/8" (see chart capacities). Lip Hinge and Deck assembly shall be seamless tubing with a cold roll 1045 steel rod. Deck and Lip shall be 55,000 minimum yield steel tread plate. Grease fittings on lip hinges are standard. All levelers include fork entry slots and lifting holes in the side plates for ease of handling during shipping and installation.

### SAFETY EQUIPMENT

**RAMP SIDES:** The sides of the ramp shall be provided with steel safety toe guards. The Beacon lip keepers are installed for your protection while in storage, at installation and for night security along with providing safe and secure cross traffic support. Dual safety legs provide metered below dock control points. A maintenance strut is provided with each leveler. Two 4" x 10" x 13" molded dock bumpers shall be supplied with each dock leveler.

### OPTIONAL FEATURES

- Hydra Lip (lip assist spr. & 2 shock absorbers).
- Full Range Toe Guards.
- Weather Seals.
- 16" Above dock service range (10' models only).
- Below Dock Control (lip push-out device).
- Lip 18" (14" projection) Lip assist.
- Lip 20" (16" projection) Lip assist.
- Base Frame Deep Pit Anchor Kit (4" channel for 23" deep pit) welded at factory.
- Remote Hydraulic Air Pump
- Foam insulation.
- Abrasive Surface.
- Self-forming pan with bottom (leveler welded in).
- EZ Pan (Self-forming) assembled at job site.
- Pit Curb Angle Kit.
- Yellow & Black Diagonal Striping on Sides.

### PAINT

Beacon Grey

### OWNERS MANUAL

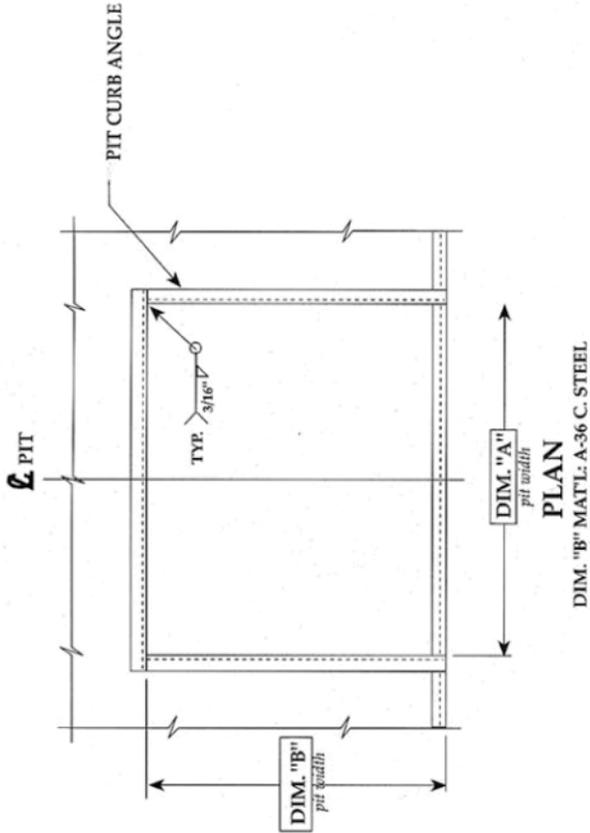
Owners Manual comes with each unit, including General Information, Pit preparation, Leveler preparation, Anchoring Instructions, Operating Instructions, Troubleshooting, Parts List.

### WARRANTY

The BX3 Series comes with a Limited Warranty - 3 years on structural members and main springs, 1 year on mechanical and miscellaneous parts.

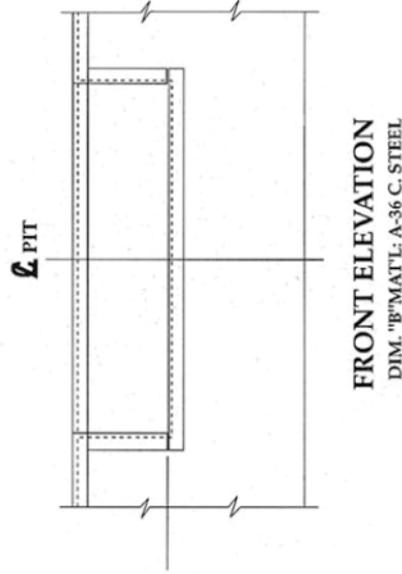
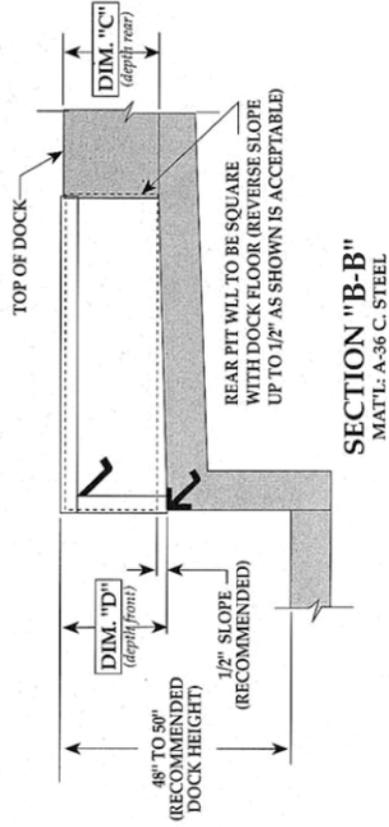
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# BEACON BX3 Series Air Dock Leveler Pit Detail



VARIABLE DIMENSIONS				
MODEL SIZE	"A"	"B"	"C"	"D"
6'W x 6'L	74"	63"	19 1/2"	20"
6'W x 8'L	74"	87"	19 1/2"	20"
6'-6"W x 6'L	80"	63"	19 1/2"	20"
6'-6"W x 8'L	80"	87"	19 1/2"	20"
7'W x 6'L	85"	63"	19 1/2"	20"
7'W x 8'L	85"	87"	19 1/2"	20"
6'W x 10'L	74"	111"	23 1/2"	24"
6'-6"W x 10'L	80"	111"	23 1/2"	24"
7'W x 10'L	85"	111"	23 1/2"	24"

INSERT SPECIFIC JOB DIMENSIONS FROM CHART



**NOTES**

DRAWN: D.E.A.  
SCALE: AS NOTED  
DATE: 9/30/94  
DRAWING NUMBER: PMI-2012-RI

**NOT TO SCALE**

**JOB**

TOLERANCES:  
Inch Dimension = +1/16"  
Decimal Dimension = ±.005  
Angles = ±1°