ARCHITECTURAL SPECIFICATIONS

GENERAL
The BH2 Series pit mounted hydraulic dock levelers are available in one basic style.
BM2 Series - Two movement with 16” hinged flip lip.

DESCRIPTION
Adjustable hydraulic 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. The units are powered with a 1 hp., 15 GPM pump that activates the dock hydraulic cylinder. The 16” hinged flip lip extends automatically when deck is raised. The BH2 Leveler may be recycled and stored with vehicle at dock or after vehicle departs by depressing start button. 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 full operating range 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 push button control hydraulic operated adjustable 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
NOTE:
The sizes below are nominal lengths.

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<th>CAP (LBS)</th>
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HYDRAULICS
1½ GPM hydraulic pump. Hydraulic deck with hydraulic lip. Main cylinder to be 4” diameter bore with 2” diameter ram. BH2 is equipped with an in line safety valve to prevent leveler deck from free fall from premature trailer departure.

ELECTRICAL
The BH2 series electrohydraulic unit is complete with a 1 h.p. totally enclosed motor to be factory tested and wired for 115V or 230V, 1 PH, 60 HZ, or 230V or 460V, 3 PH, 60 HZ as specified. All operations to be push button controlled from a single prewired NEMA 12 wall-mounted remote. All electrical hook-ups are by others.

SAFETY EQUIPMENT
RAMP SIDES: The sides of the ramp shall be provided with full operating range 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. An in-line safety stop prevents sudden fall while loading should the leveler become unsupported by the trailer. 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
- 3 Phase motor.
- Weather Seals.
- Lip 18” (14” projection).
- Lip 20” (16” projection).
- Base Frame Deep Pit Anchor Kit (4” channel for 23” deep pit) welded at factory.
- Emergency Stop Feature.
- 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.
- Leveler without Standard Bumpers.

PAINT
Beacon Grey

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

WARRANTY
The BH2 Series comes with a Limited Warranty - 2 years on structural members, 2 years on cylinder, 1 year on motor/pump and miscellaneous parts.

Special Warranty Note: Beacon will match any other company’s warranty, just present to Beacon for written approval.
BEACON BH2 Series Hydraulic Dock Leveler Pit Detail

EMBEDDED CONDUIT
REQUIRED FOR ELECTRIC HYDRAULIC UNIT

DIM. "B"

PLAN
DIM. "A" MAT'L: A-36 C. STEEL.

DIM. "A" pit width

DIM. "B" pit length

10" BOX

PIT Curb Angle

TOP OF DOCK
Dim. "D" (depth form)

REAR PIT WALL TO BE SQUARE
WITH DOCK FLOOR (REVERSE SLOPE
UP TO 1/2" AS SHOWN IS ACCEPTABLE)

45° TO 55° (RECOMMENDED DOCK HEIGHT)

1/2" SLOPE (RECOMMENDED)

SECTION "B-B"
MAT'L: A-36 C. STEEL

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"

INSERT SPECIFIC JOB DIMENSIONS FROM CHART

NOT TO SCALE

NOTES

JOB

DRAWN:
D.E.A.

SCALE:
AS NOTED

DATE:
5/15/98

DRAWING NUMBER:
PM-2014-R1

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