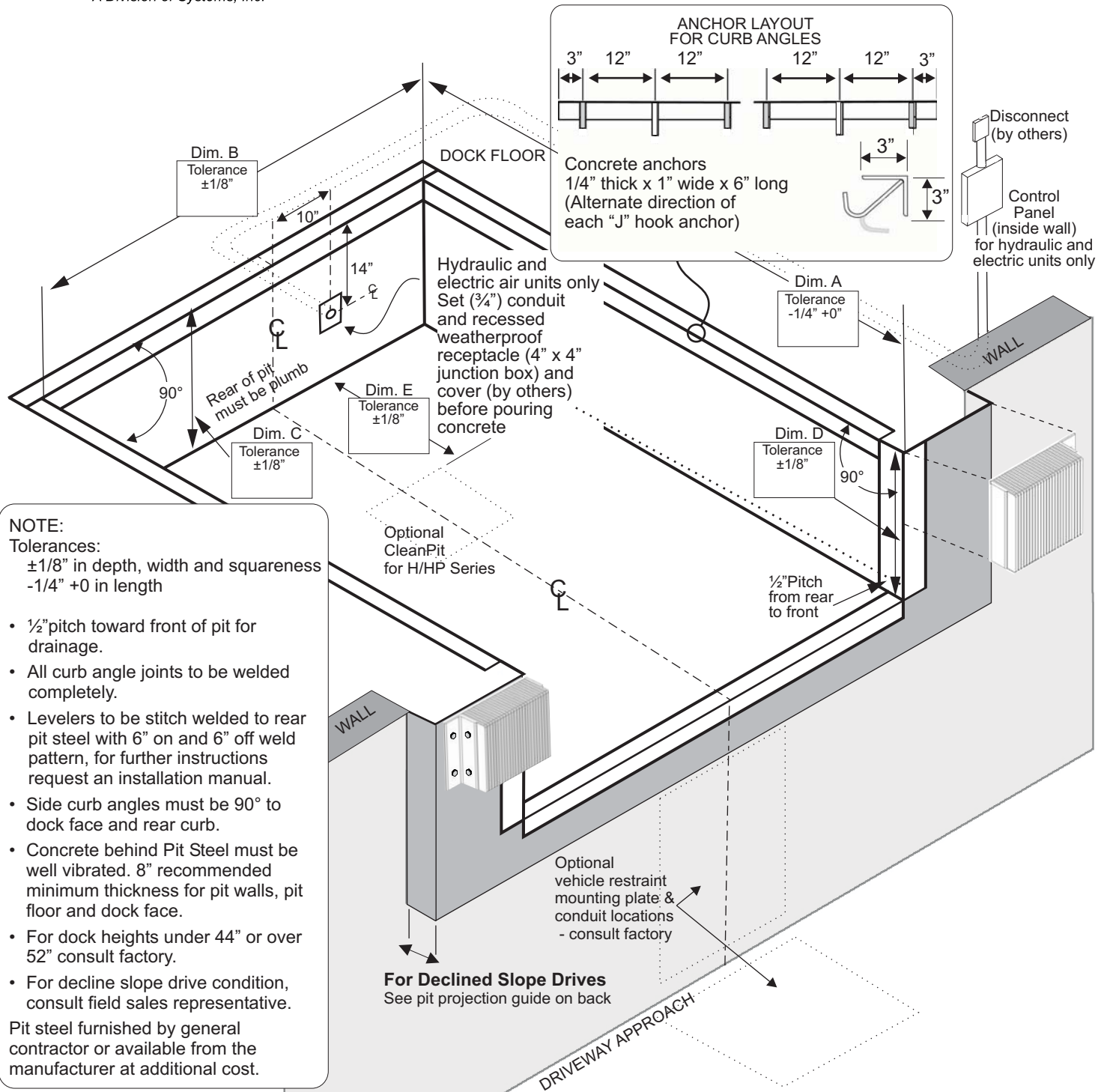




A Division of Systems, Inc.

# PIT DETAIL FOR HP and H SERIES (Autodok) HYDRAULIC MA AIR OPERATED & MP MECHANICAL DOCK LEVELERS



**NOTE:**

Tolerances:  
±1/8" in depth, width and squareness  
-1/4" +0 in length

- 1/2" pitch toward front of pit for drainage.
- All curb angle joints to be welded completely.
- Levelers to be stitch welded to rear pit steel with 6" on and 6" off weld pattern, for further instructions request an installation manual.
- Side curb angles must be 90° to dock face and rear curb.
- Concrete behind Pit Steel must be well vibrated. 8" recommended minimum thickness for pit walls, pit floor and dock face.
- For dock heights under 44" or over 52" consult factory.
- For decline slope drive condition, consult field sales representative.

Pit steel furnished by general contractor or available from the manufacturer at additional cost.

Customer: \_\_\_\_\_  
 Job: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Qty: \_\_\_\_\_  
 Model/Size: \_\_\_\_\_  
 Capacity: \_\_\_\_\_  
 Represented By: \_\_\_\_\_  
 Sales Representative: \_\_\_\_\_

**Certified For Construction:**

By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 City & State: \_\_\_\_\_  
 Voltage/Phase: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_

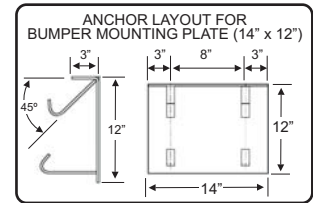
Pit dimensional tolerances are  $\pm 1/8$ " in depth, width and squareness,  $-1/4$ "  $+0$  in length.  
 McGUIRE/Systems, Inc. assume no liability for deviations beyond this tolerance.

Dimensions below are for all HP and H Series Hydraulic, MA Series Air Operated and MP Series Mechanical pit type levelers, all capacities, except 75K & 100K Hydraulic Comparative Industry Rating (CIR) leveler - Dim. "C" is 23 1/2" and Dim. "D" is 24".										
	Contractors Bill Of Material					Nominal Pit Dimensions				
	Curb Angles 1/4" x 3" x 3"			Mounting Plates 1/4" Thick		Dim. "A" Length	Dim. "B" Width	Dim. "C" Depth (rear)	Dim. "D" Depth (front)	Dim. "E" Clean Pit (H Series)
	Front (Qty 1)	Rear (Qty 1)	Side (Qty 2)	Face (Qty 2)	*CleanPit Embed (Qty 1)					
6' x 6'	74"	80"	60"	20"	16" x 16"	63"	74"	19 1/2"	20"	20"
6.5' x 6'	80"	86"	60"	20"	16" x 16"	63"	80"	19 1/2"	20"	20"
7' x 6'	85"	91"	60"	20"	16" x 16"	63"	85"	19 1/2"	20"	20"
6' x 8'	74"	80"	84"	20"	16" x 16"	87"	74"	19 1/2"	20"	30"
6.5' x 8'	80"	86"	84"	20"	16" x 16"	87"	80"	19 1/2"	20"	30"
7' x 8'	85"	91"	84"	20"	16" x 16"	87"	85"	19 1/2"	20"	30"
6' x 10'	74"	80"	108"	24"	16" x 16"	111"	74"	23 1/2"	24"	48"
6.5' x 10'	80"	86"	108"	24"	16" x 16"	111"	80"	23 1/2"	24"	48"
7' x 10'	85"	91"	108"	24"	16" x 16"	111"	85"	23 1/2"	24"	48"
6' x 12'	74"	80"	132"	24"	16" x 16"	135"	74"	23 1/2"	24"	Consult Manufacturer
6.5' x 12'	80"	86"	132"	24"	16" x 16"	135"	80"	23 1/2"	24"	
7' x 12'	85"	91"	132"	24"	16" x 16"	135"	85"	23 1/2"	24"	

\*Weldment is required ONLY for clean pit style leveler.

**Optional Bumper Plates - in lieu of above**

- 3" x 14" wide x 12" high (Qty 2)
- 3" x 11" wide x 20" high (Qty 2)
- 3" x 11" wide x 24" high (Qty 2)
- Other Bumper Embed \_\_\_\_\_ (Qty 2)



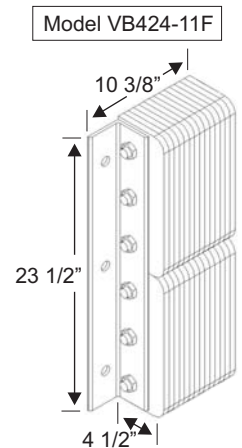
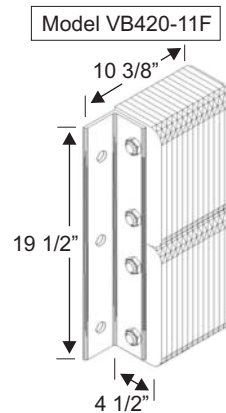
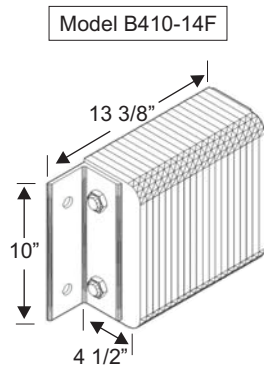
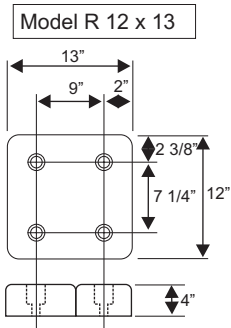
**Pit Projection Guide for Decline Slope Driveways**

$$\text{Percentage Of Grade} = \frac{\text{Rise of Driveway}}{\text{Driveway Length}}$$

% of Driveway Grade	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%
Pit Projection *Excludes Bumper Projection	0"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"

**NOTE:** Projection of pit may require modifications to seals and shelters. Coordinate with supplier if required.

**Bumper Layout**



**Bumper Consideration**

- 2 Model R 12 x 13 Molded bumpers  
**Standard on H Autodok Levelers (Less than 75k), HP Series, MP Series and MA Series**
- 2 Model B410-14F Laminated bumpers  
 Optional - 6" Projection  
**Standard on H Series 75K and 100K Levelers**  
 Optional - Steel face
- 2 Model VB420-11F Laminated bumpers  
 Optional - 6" Projection  
 Optional - Steel face
- 2 Model VB424-11F laminated bumpers  
 Optional - 6" Projection  
 Optional - Steel face

A continuing product improvement process is in effect at Systems, Inc. We reserve the right to make product changes without prior notice.