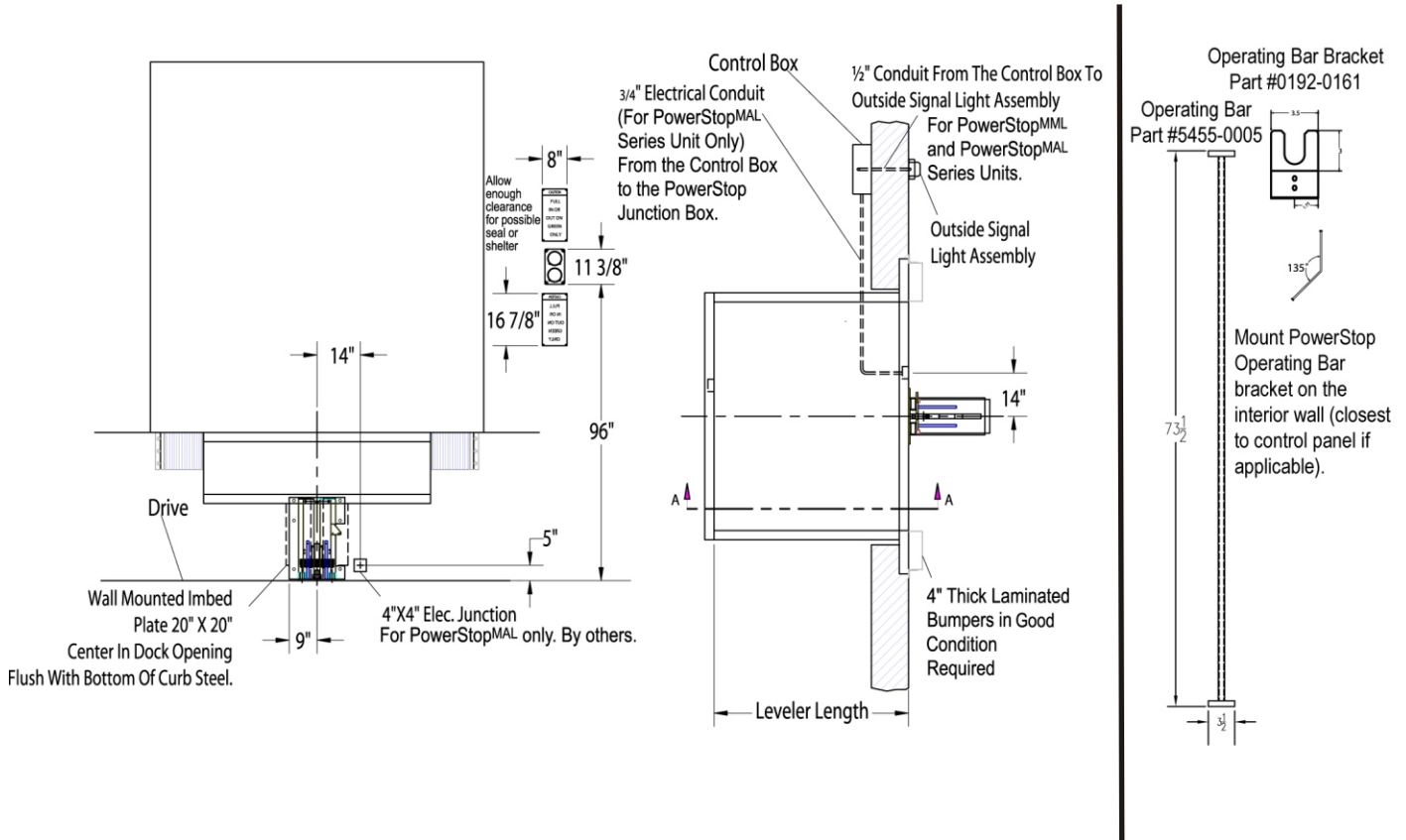
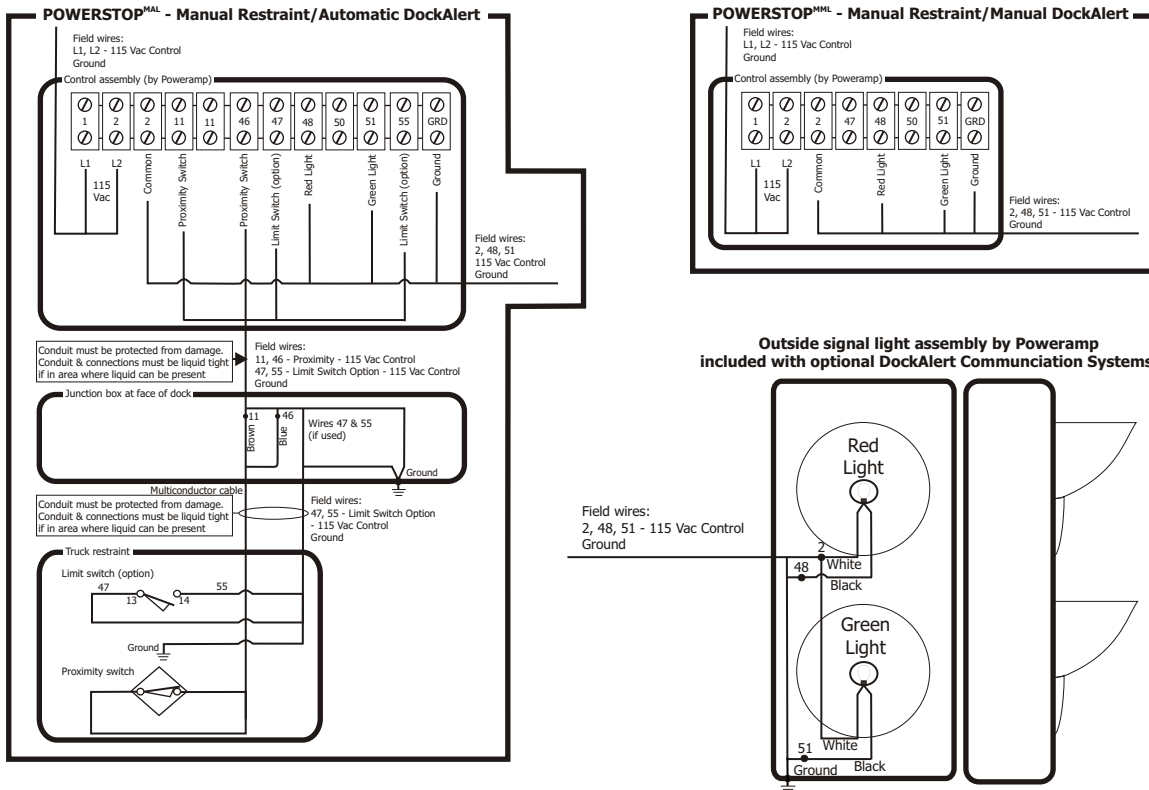


Manual PowerStop Installation Overview

For comprehensive installation instructions of the Manual PowerStop (PowerStop[™]) read and understand the Installation and Operation Manual.



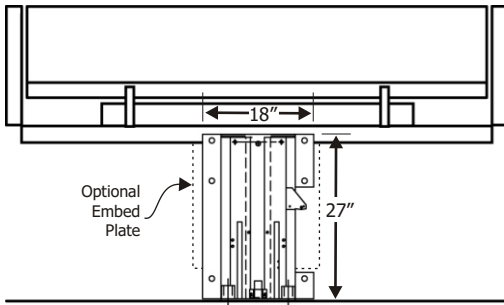
Optional DockAlert Communication System



Manual PowerStop Installation Overview

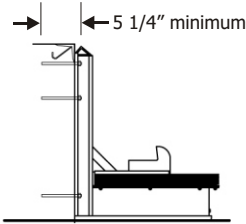
For comprehensive installation instructions read and understand the Installation and Operation Manual.

Concrete Dock Face (Standard installation)



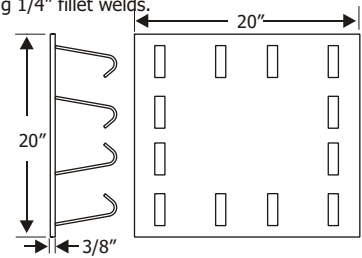
Wedge Anchors Method

Using back plate as a guide, drill six (6) holes for wedge anchors (3/4"x 5 1/4" min.) (Kit #2103-0003)

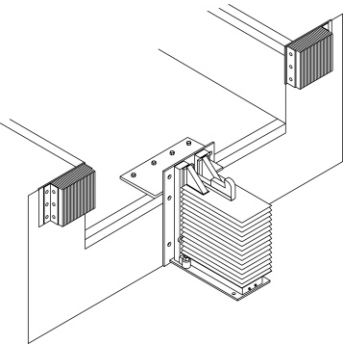


Wall Embed Method

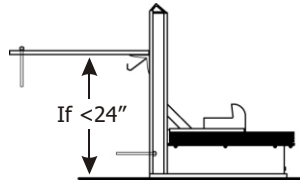
Weld three sides of PowerStop back plate to the optional embed mounting plate (Part #7953-0119) with ten (10) 4" long 1/4" fillet welds.



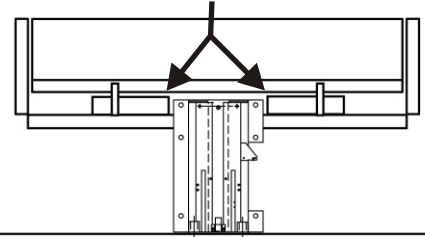
Low Pit Floor (Distance from pit floor to drive under 24")



Anchor pit floor mounting plate (minimum 3/8" x 20"W x 8" D) (Part #9414-0056) with four (4) (3/4"x 5 1/4" min.) wedge anchors. Weld mounting plate to curb steel and back plate of PowerStop with a continuous 1/4" fillet weld. Anchor back plate of PowerStop to dock face with a minimum of (4) 3/4" x 5 1/4" wedge anchors (Kit#2103-0003).



Trim or cut front frame member when necessary to allow for pit floor mounting plate.



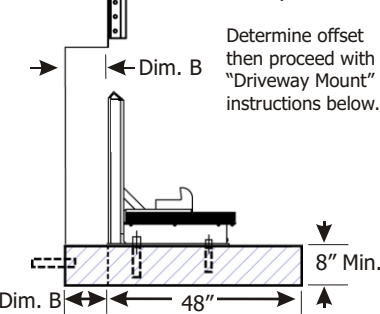
Cantilevered Dock (For bumper projection >4" or cantilevered dock or Edge-of-Dock leveler)

To determine size offset required, take total effective bumper projection (bumper size plus any cantilever) and subtract 4".

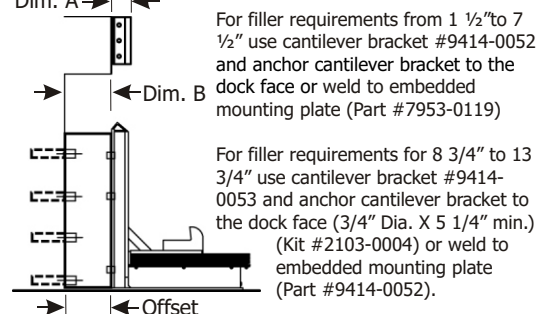
Offset Formula

Dim. A Bumper Projection	Dim. B Cantilever	Offset
4"	+ Dim B	-4" = Offset
6"	+ Dim B	
10"	+ Dim B	
15"	+ Dim B	

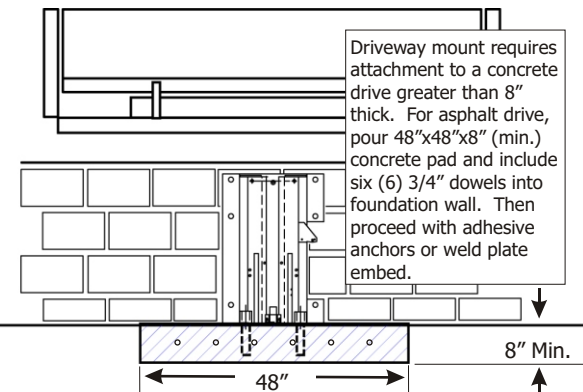
Driveway Mount



Wall Mount



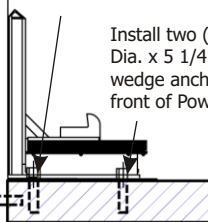
Driveway Mount (Recommended when dock face is unsuitable for PowerStop Mounting)



Driveway mount requires attachment to a concrete drive greater than 8" thick. For asphalt drive, pour 48"x48"x8" (min.) concrete pad and include six (6) 3/4" dowels into foundation wall. Then proceed with adhesive anchors or weld plate embed.

Adhesive Anchors Method (Kit #9414-0058)

Install two (2) 1" Dia. adhesive anchors into 1-1/8" Dia. x 7" deep hole at rear of PowerStop.



Install two (2) 3/4" Dia. x 5 1/4" min. wedge anchor at front of PowerStop.

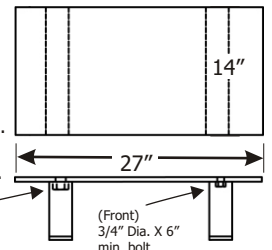
Drive Embed Method

Weld method

Properly locate and level the drive embed weld plate (Part#7953-0059) in the drive approach. Observe Cantilever conditions for proper positioning. Weld restraint to embed plate with a continuous 1/4" fillet weld.

Bolt on Method

Properly locate and level the drive embed plate (Part#9414-0057) in the drive approach. Observe cantilever conditions for proper positioning. Using the bolts included, bolt the restraint to the embed plate.



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