



**TRADEMARK
HARDWARE**

WORLD OF QUALITY HARDWARE

INSTALLATION GUIDE

Folding Doors and Room Dividers - Up to 165 lbs / Up to 36" Wide x 106" Tall

Manufactured by
HENDERSON



Two Panel: Plan 1

PIF2/165A Kits Include:

- 1 ea 600A Mill Finished Aluminum Track
- 1 ea 21B/P Top and Bottom Pivot Assembly
- 1 ea 21B/4 Nylon Body and Wheels, Zinc Coated Steel Pendant Bolt and Door Bracket Hanger
- 1 ea 21N/94 Nylon Roller Guide on Zinc Coated Steel Door Bracket Bottom Guide
- 4 ea 403/2 Aluminum Alloy Butt Hinges
- 1 ea 94A Aluminum Guide Channel

Four Panel: Plan 2

PIF4/165A Kits Include:

- 1 ea 600A Mill Finished Aluminum Track
- 2 ea 21B/P Top and Bottom Pivot Assembly
- 2 ea 21B/4 Nylon Body and Wheels, Zinc Coated Steel Pendant Bolt and Door Bracket Hanger
- 2 ea 21N/94 Nylon Roller Guide on Zinc Coated Steel Door Bracket Bottom Guide
- 8 ea 403/2 Aluminum Alloy Butt Hinges
- 1 ea 94A Aluminum Guide Channel

Standard Kit Sizes

Part Number	Material	# of Panels	Track Length
PIF2/165A/6	Aluminum	2	72"
PIF4/165A/6	Aluminum	4	72"
PIF4/165A/8	Aluminum	4	96"
PIF4/165A/12	Aluminum	4	2 @ 72"

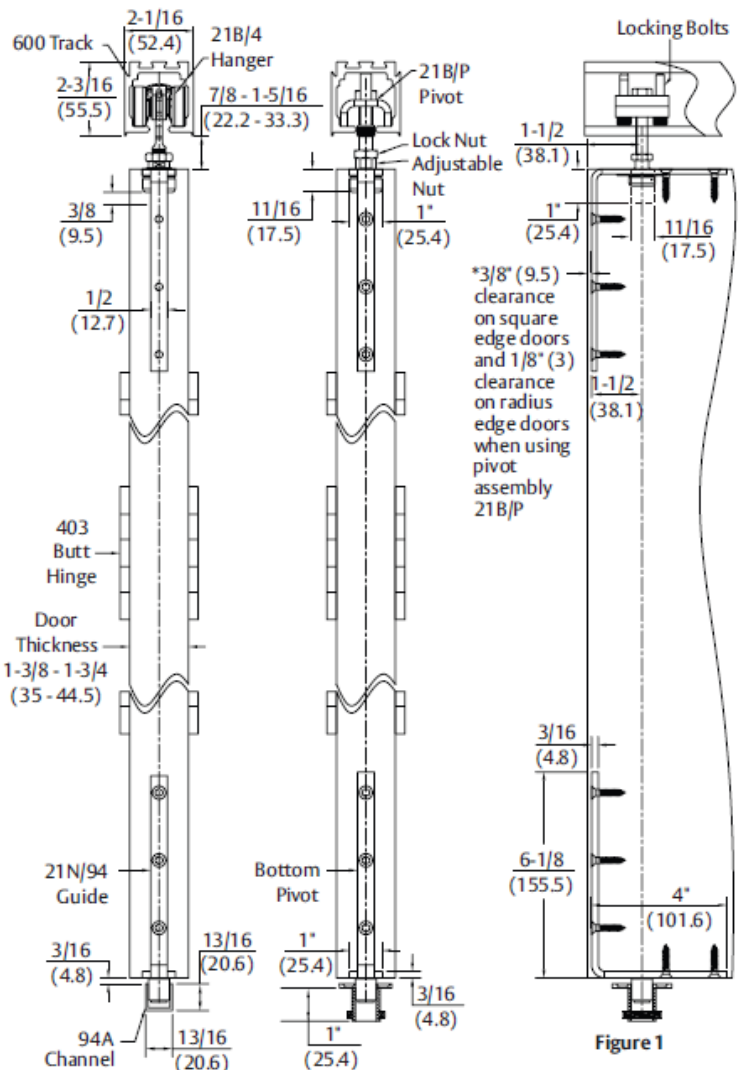
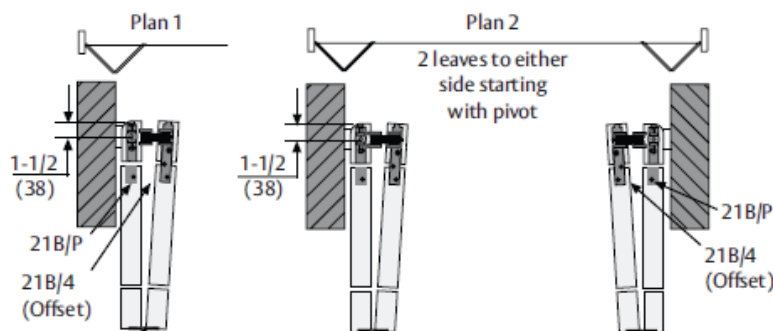


Figure 1

NOTE: Allow 3/8" (9.5) clearance at pivot jambs if using pivot assembly 21B/P on square edge doors or 1/8" (3.2) clearance if using pivot assembly on radius edge doors. If using hinges at pivot jambs, allow proper clearance for hinge being used. Allow 7/16" (11.1) clearance between hinged doors if hinges are surface mounted. Allow 1/8" (3.2) between doors meeting in the center of the opening on PIF4 kits and allow 1/8" (3.2) between wall and end panel on PIF2 kits.



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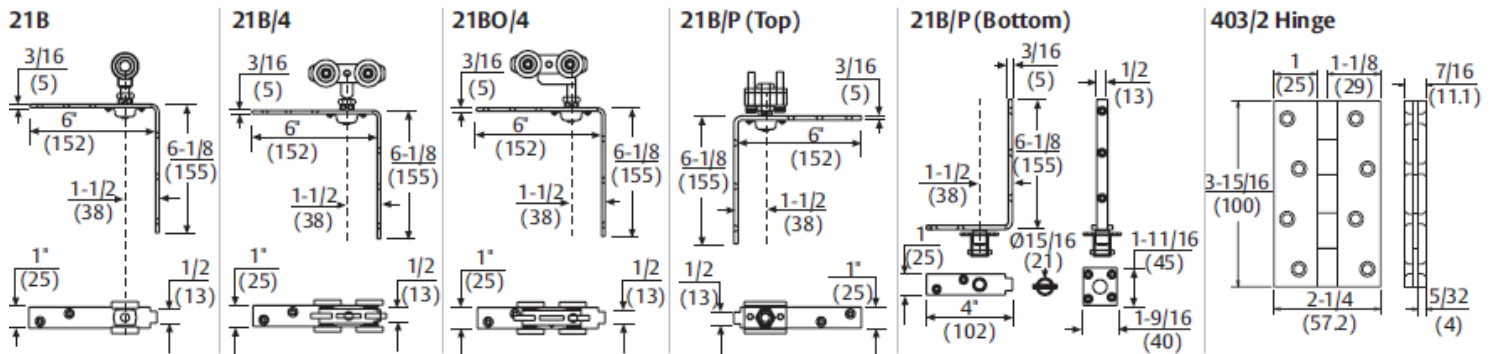
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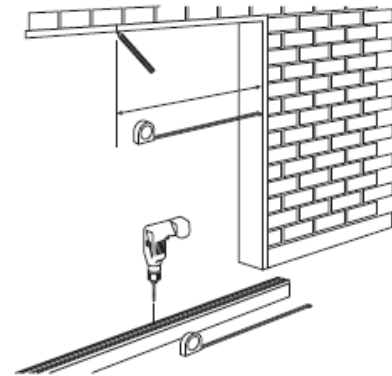
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1. Mark and pre-drill track.

Begin track installation by installing correct blocking/support where needed. The next stage is to mark out center of track and pre-drill track along its centerline at no more than 20" (500mm) distances.

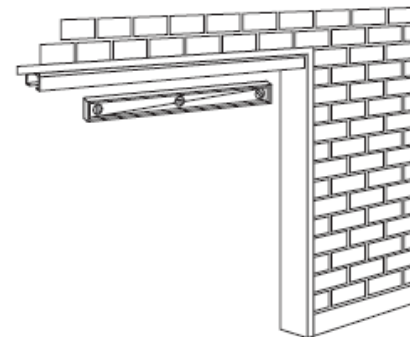
Ensure that site is prepared to best possible standard; to ensure easy installation and smooth operation of doors.



2. Fit track.

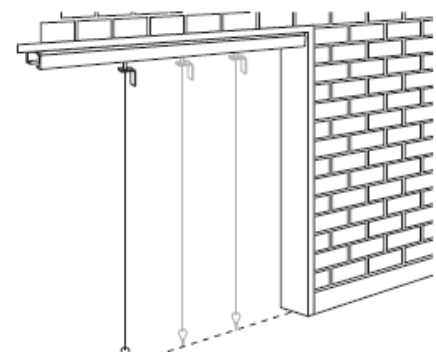
Using 5/16" (8) bolts or screws, loosely fix each end of track and check alignment using a level. Once track is correctly aligned, tighten end fixings and then securely fix track at all fixing points.

Before the last piece of track for opening is installed, insert a hanger into it.



3. Mark floor channel.

Attach a plumb line to a hanger. Using the plumb line, mark out the centerline of the floor channel.





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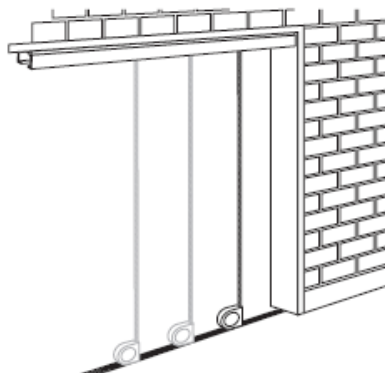
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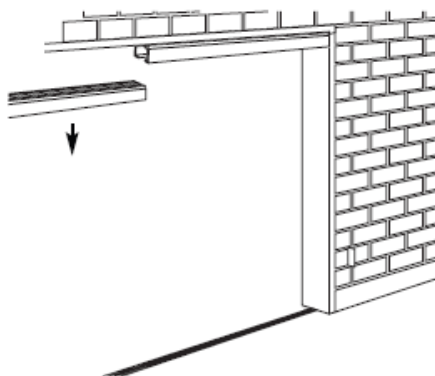
4. Attach floor channel.

Fix floor channel into floor. Note: Check distance between track and floor channel at several intervals along track. If installing pivot gear, ensure that channel is cut to correct length to accommodate $2\frac{3}{4}"$ (70) required for pivot socket.



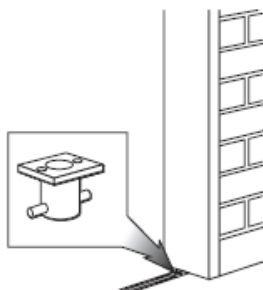
5. Remove track section.

Remove a section of track. If installing a pivoting leaf or one hinged to a post, remove section of track at opposite end to pivoting/hinged to post leaf.

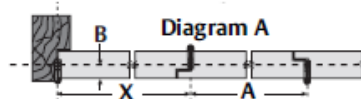


6. Position pivot in floor.

Position the top pivot in the upper track. (This distance can be calculated using Fig 1, page 1. See *) Then, using a plumb line attached to the top pivot, mark the floor. This will be the centerline of the hole for mounting the bottom pivot socket into the floor. Depending on the floor, drill and insert or set the pivot socket in place.



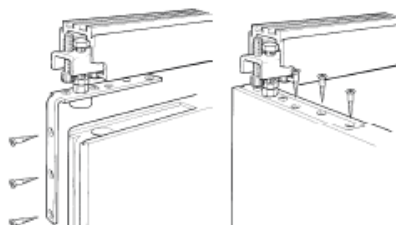
(X) is A less B (1/2 leaf thickness), less $1\frac{1}{2}"$ (38).
Formula $X = (A - B) - 1.5"$ (38)



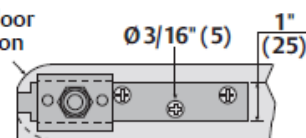
If not using a pivot assembly, all leaves are of equal width except leaf hinged to the post. The dimension for leaf hinged to post

7. Attach hardware to doors.

Attach hangers, guide aprons, bottom pivots and hardware to doors. Ensure that all clearances are adhered to and that if using a pivot door that appropriate corners are rounded or proper clearance allowed for square edge doors. It is generally easier to fit pivoting door apron to top pivot and insert and fix top pivot assembly in its final position in track before attaching pivoting door.



If radius desired: side of door depends on swing direction



Top View of Pivot 218/P



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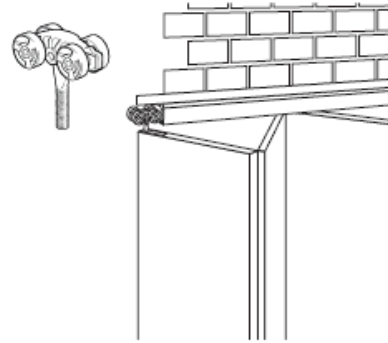
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8. Attach doors to track.

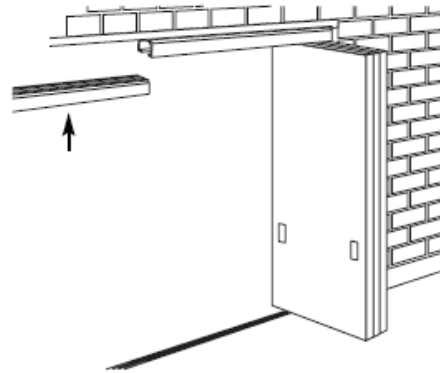
Lift doors to track and attach hanger strapbolts to aprons mounted on doors. Adjust hangers to correct clearances and tighten lock nut.

If system is to be hinged to a post attach that unit to required side of opening.



9. Replace track section.

Replace section of track removed earlier. Check floor channel alignment and alter if necessary. Tighten in position.



Final Adjustments

Visually check all bolts and screws and tighten if necessary. Then check operation of doors for ease of use.

Things to look out for:

- Doors do not fold correctly - leaf widths may be incorrect and calculations should be checked. Also the end guide may not be set correctly.
- Hangers work loose after several operations - tighten lock nut.
- Guides lift out of floor channel, or door guides catch floor channel at one end - check track is level with level. Ensure that track and floor channel are parallel to within $\pm \frac{1}{8}"$ (3) from end to end.
- Doors are hard to operate - realign floor channel to track.



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