

Pemko SIM150-3 for Three Door System

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Sliding Panels - Up to 176 lbs

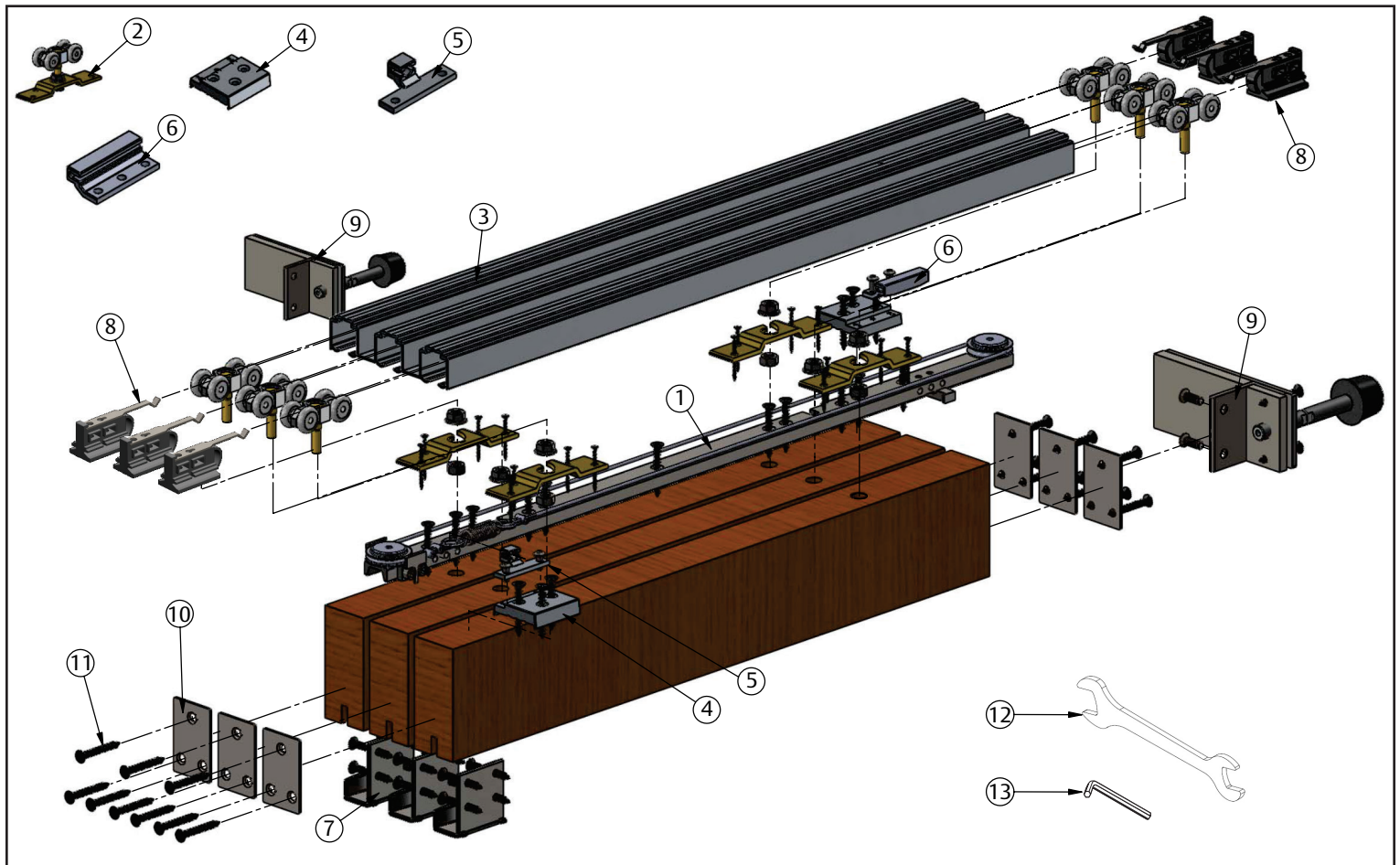


Before Installation:

Confirm panel preps include the 1/4" x 9/16" mortise channel in center at bottom of each panel. Alternate mortise channel - 3/8" x 5/8" for fitting EPD3BL Mortise Insert.

Verify panels are properly sized.

Check that all components are present in provided kit per components chart on next page.



Item	Part Description	Part Number	Qty
Included Hardware			
1	Pulley Assembly	TELS-01T	1
2	Door Hangers w/Fasteners	H222-R1	6
3	Triple Track	2803_	1
4	Cable Rider Base	TELS-05B	2
5	Cable Rider Pin Attachment	TELS-05P	1
6	Cable Rider Screw Attachment	TELS-05S	1
7	Door Bottom Guides	DBG-02	3
8	In-Track Stop	601H	6
9	Backstop	TELS-25	1
10	Door Bottom End Plate	TELS-23	6
Loose Fasteners			
11	12-8 x 1-1/2" #10 Black Screw	PBS12150SP10BLR21	42

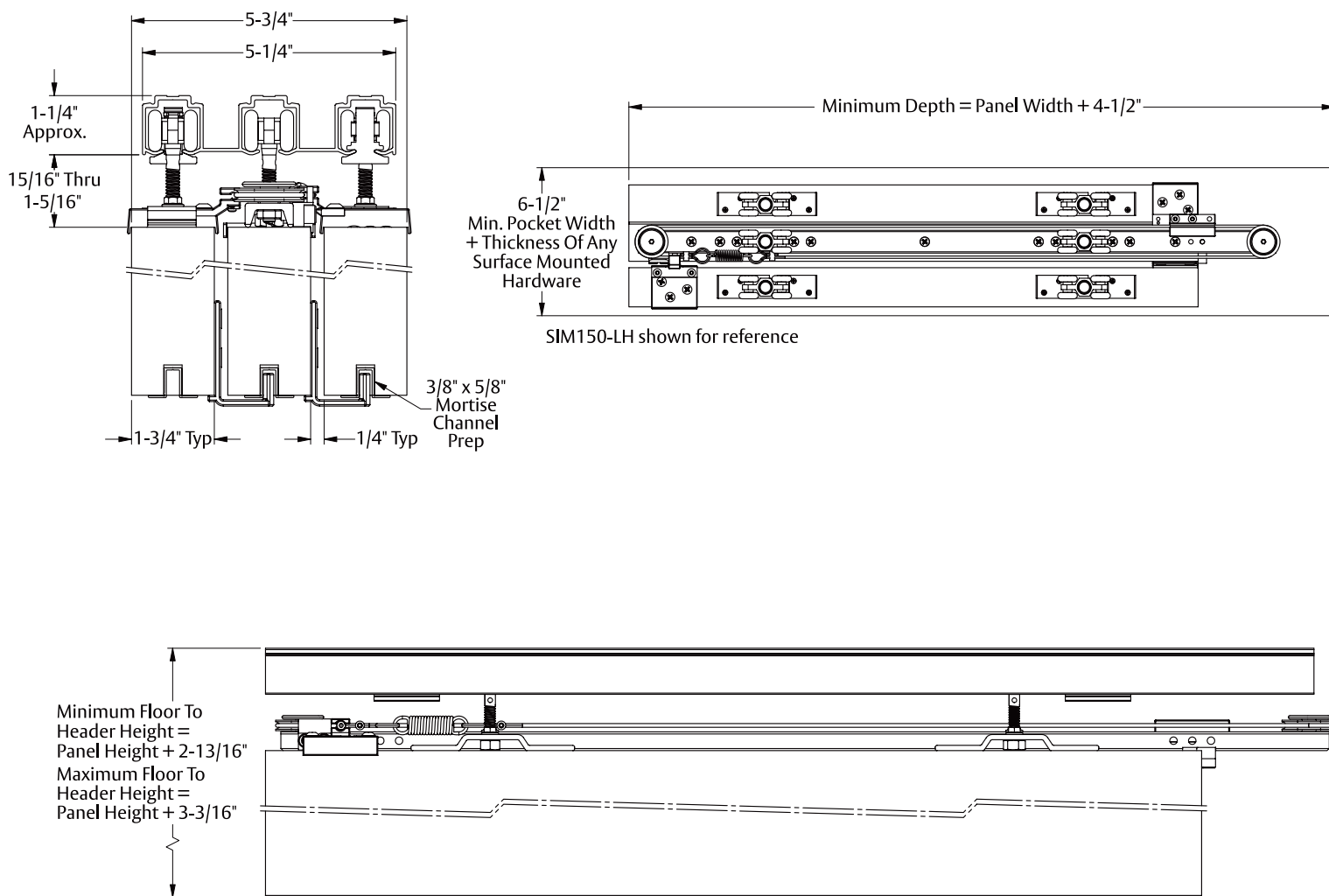
Item	Part Description	Part Number	Qty
Tools			
12	Hanger Wrench	WRENCH14	2
13	1/16" Allen Key	1/16ALLEN	2
May Include the Following Optional Finish Hardware			
14	Edge Pull	880	1
15	Flush Pull	872	1
16	Surface Bolt	630-12	1
17	Dust Proof Floor Strike	570	1
18	Mortise Lock	1422	1

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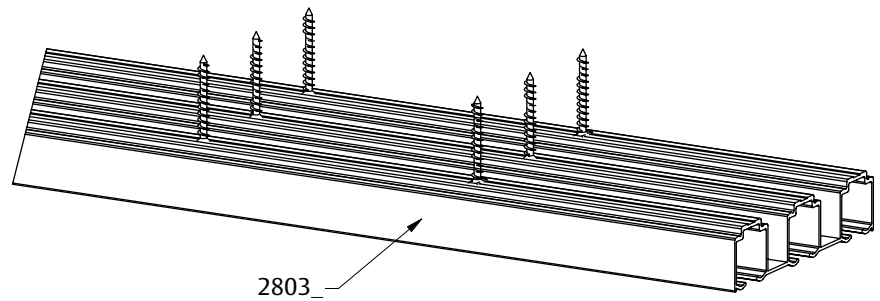
1. Install Track

Install Triple Track (2803_) level and centered on header with up to forty five (45) #8 fasteners (not provided). Choose fasteners appropriate for header material and install on 12" spacing per pre-punched holes.

Each pre-drilled fastener hole from manufacturer should be utilized.

If using Bi-Parting System, use Center Splice Bracket (1076-3SPLKIT) between two (2) pieces of track.

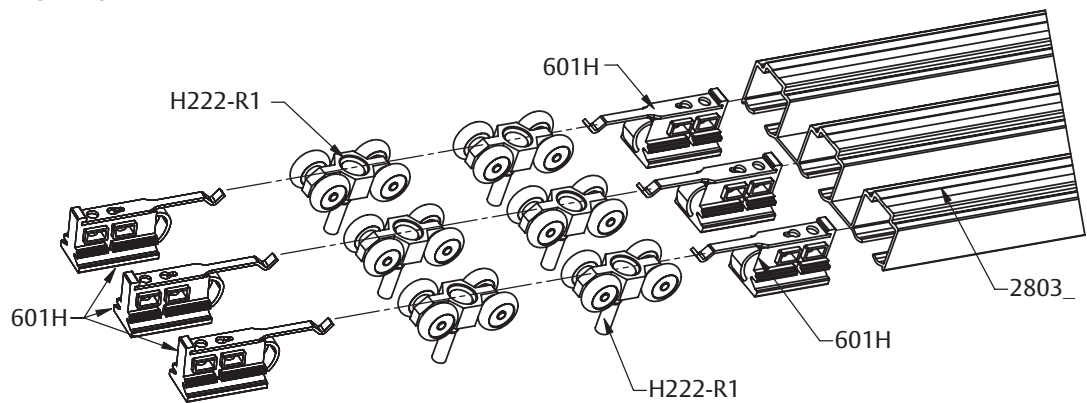
If using surface mounted finish hardware, it may be necessary to offset track on header for pocket clearance.



2. Insert Hangers and Stops

Install track stops and hangers into track as shown.

Do NOT tighten stops into place yet.

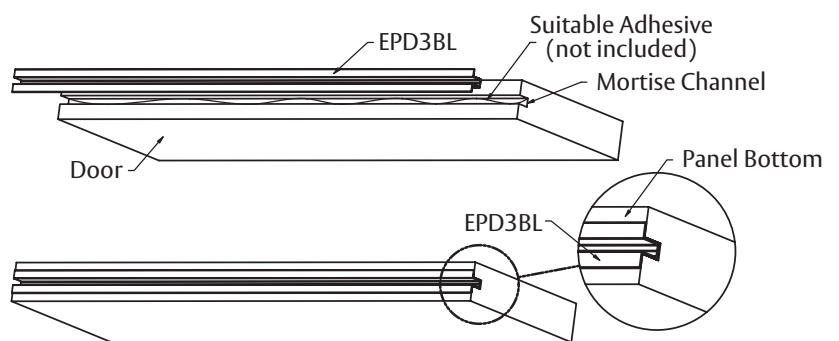


3. Install EPD3BL (Optional)

Cut each EPD3BL to size to match panel width.

Using a suitable adhesive, apply a generous amount to top of mortise channel. Position EPD3BL into mortise channel making sure it does not extend past either edge of panel.

Nails, screws, staples or like items should not be used to secure EPD3BL to mortise channel since they are likely to impede motion of panels.



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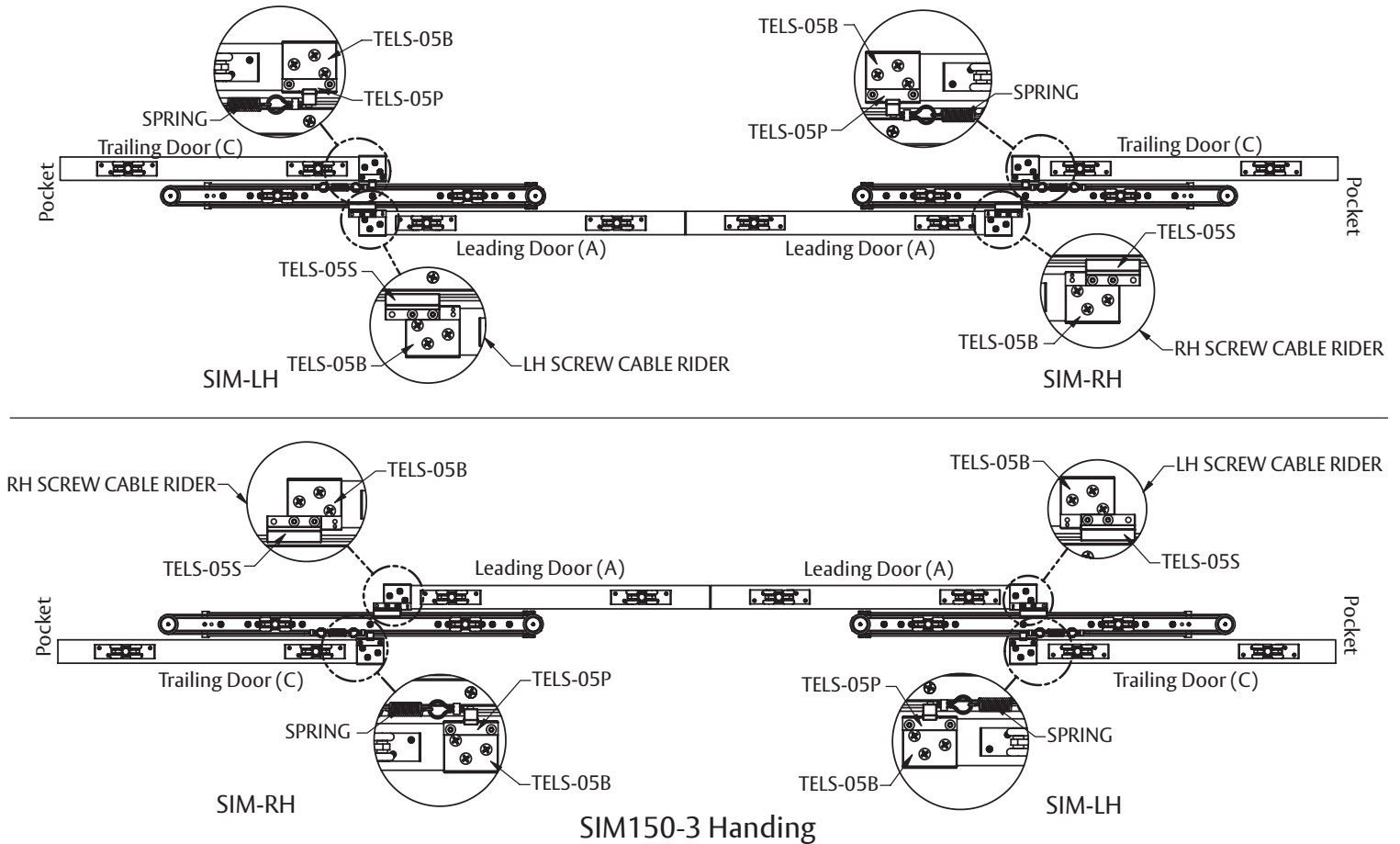
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4. Determine Handing

Determine which panel will be Leading Panel (A), Middle Panel (B) and Trailing Panel (C) to leave pocket. Then determine SIM Handing of Sliding Door System based on illustration.



5. Drill Relief Holes

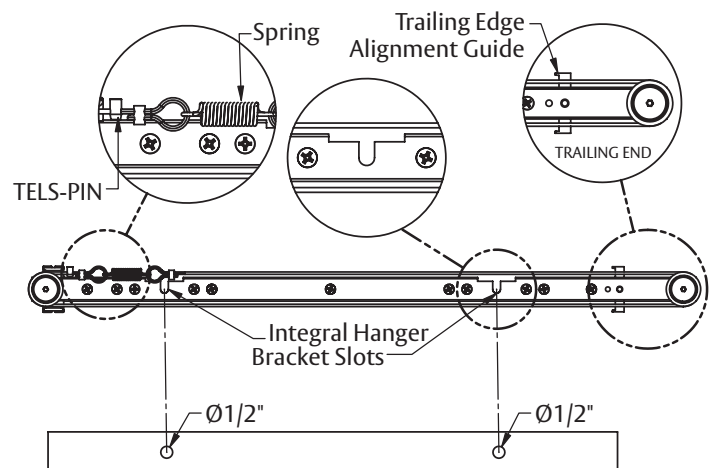
Use TELS-01T Assembly bar as a template to prep for Hanger relief holes.

Position TELS-01T centered on top edge of each panel. Utilize Trailing Edge Alignment Guide on underside of TELS-01T Assembly Bar so that it's flush with trailing door edge. Using Integral Hanger Bracket Slots as a template, mark for two (2) $\varnothing 1/2"$ x $1/2"$ deep relief holes.

Drill relief holes using a $1/2"$ drill bit.

Repeat this process on other panels.

These holes will line up with hanger bolts and allow for more adjustment when leveling doors.



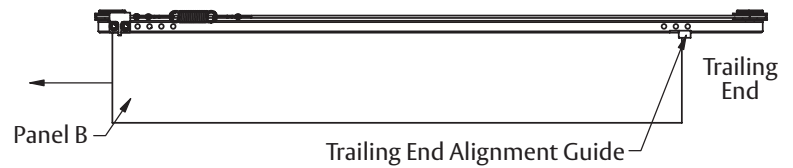
6. Install TELS-01T Assembly Bar

Mark Panel B for pilot holes using TELS-01T Assembly Bar as a template. (The TELS-01T is mounted to Middle Panel B only.)

Position TELS-01T centered in width of Middle Panel B, making sure Trailing Edge Alignment Guide on underside of TELS-01T Assembly Bar is flush with door edge as shown.

Drill mounting holes 1-1/4" deep using a 5/32" drill bit.

Use 1-1/2" wood screws (PBS12150SP10BLR) to secure TELS-01T Assembly Bar to top of Panel B.



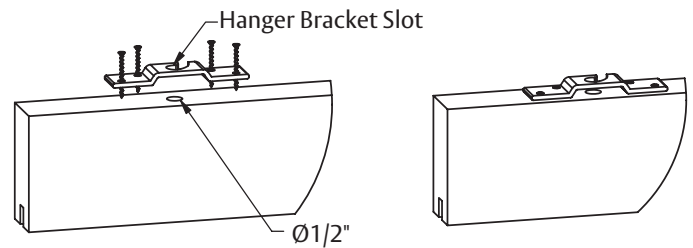
7. Install Hangers

On Leading Panel (A) and Trailing Panel (C), position hanger brackets so that opening of Hanger Bracket Slots are facing in same direction as Integral Hanger Bracket Slots on TELS-01T Assembly Bar.

Slot should line up with pre-drilled 1/2" diameter holes on top of panels.

Mark and drill 1/8" pilot holes for each hanger mounting hole.

Install two (2) hanger brackets on Panel A and Panel C using four (4) #8 x 1-1/4" screws for each bracket.



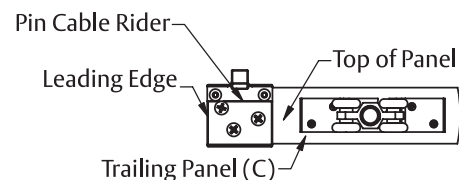
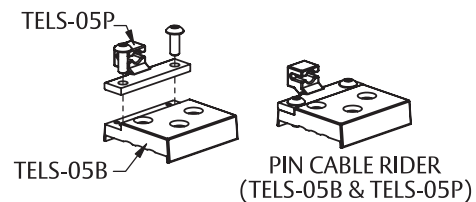
8. Assemble and Install Pin Cable Rider

Attach TELS-05P to TELS-05B using two (2) #10-24 x 3/8" Button Head Socket Cap screws.

Position Pin Cable Rider Assembly on top of Trailing Panel (C) flush with leading edge as shown. TELS-05P should face middle panel B.

Using mounting holes of TELS-05B as a template, mark and drill three (3) mounting holes 1-1/4" deep using a 5/32" drill bit.

Use 1-1/2" wood screws (PBS12150SP10BLR) to secure Pin Cable Rider Assembly to top of Panel C.



9. Assemble and Install Screw Cable Rider

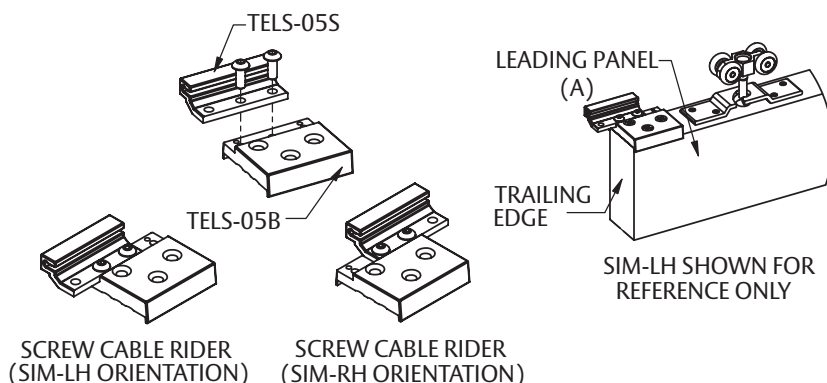
Attach TELS-05S to TELS-05B as shown. Use handing of SIM system determined in step 4.

Once orientation is finalized, use two (2) #10-24 x 3/8" Button Head Socket Cap screws to connect two parts to form Screw Cable Rider.

Position Screw Cable Rider Assembly on top of Leading Panel (A) towards trailing edge as shown. TELS-05B should be flush with panel edge. TELS-05S should face middle panel B.

Using mounting holes of TELS-05B as a template, mark and drill three (3) mounting holes 1-1/4" deep using a 5/32" drill bit.

Use 1-1/2" wood screws (PBS12150SP10BLR) to secure Screw Cable Rider Assembly to top of Panel A.



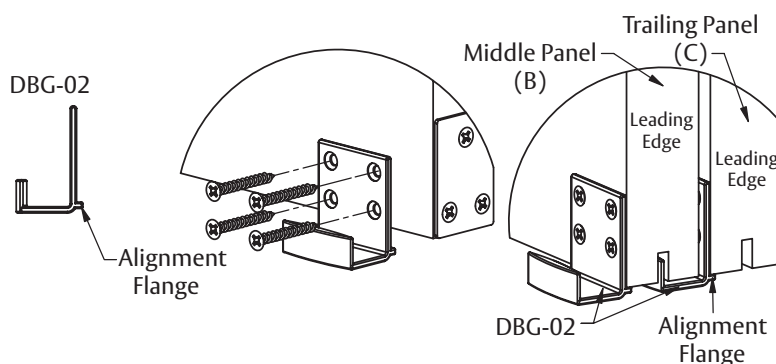
10. Install Door Bottom Guide

Position Door Bottom Guide (DBG-02) flush with leading edges of Middle Panel (B) and Trailing Panel (C) as shown.

Use alignment flange to ensure proper fit of DBG-02 to bottom of panel.

Using mounting holes as a template, mark and drill four (4) mounting holes 1-1/4" deep using a 5/32" drill bit.

Use 1-1/2" wood screws (PBS12150SP10BLR) to secure DBG-02 to face of Panel B and C.

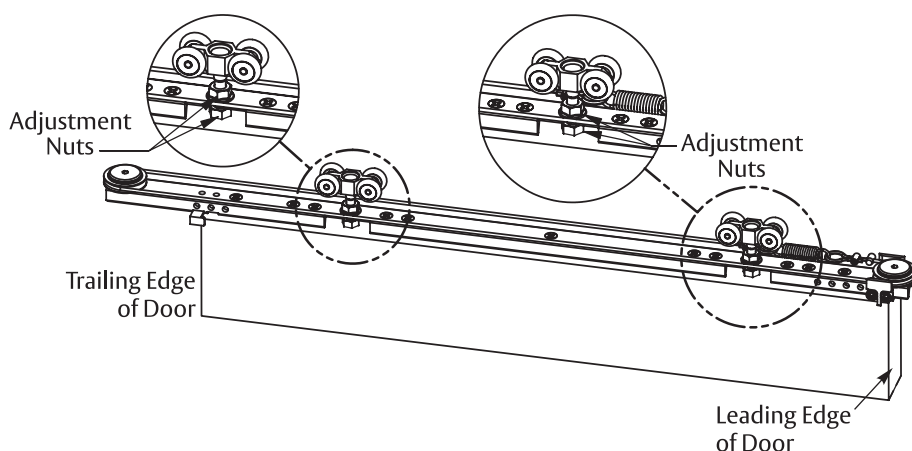


11. Hang Panel and Adjust Hangers

Hang Middle Panel (B) onto hangers in track.

It may be necessary to hold cable from pulley assembly free from entanglement with hanger bolt during installation.

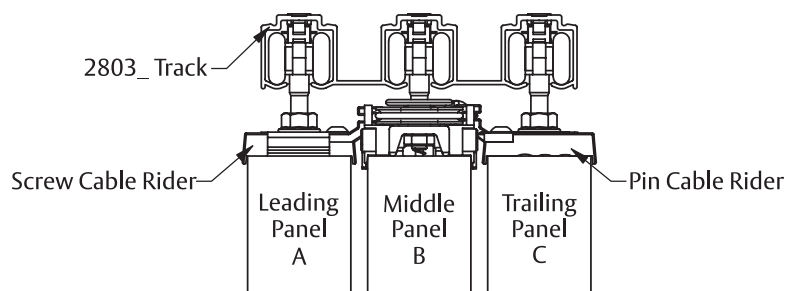
Adjust height and level panel using adjustment nuts on hangers. Wrench is provided.



12. Hang Remaining Panels and Adjust Hangers

Hang Leading Panel (A) and Trailing Panel (C) then level using adjustment nuts on hangers.

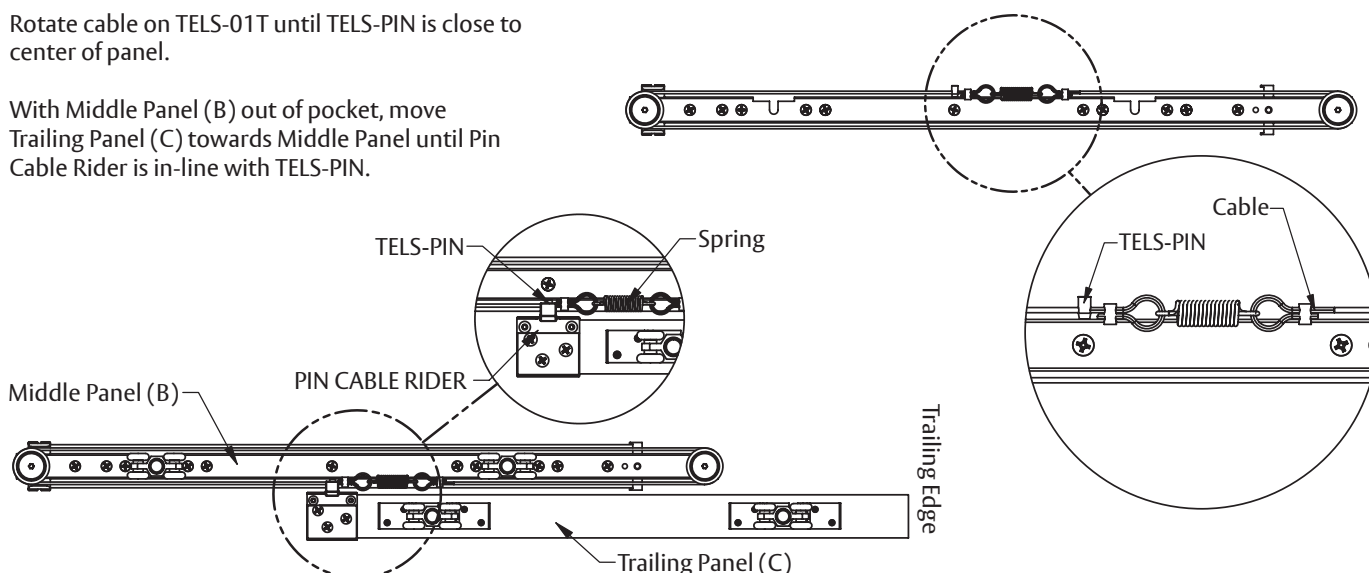
Using provided wrench, adjust height and level Leading Panel A and Trailing Panel C using adjustment nuts on hangers.



13. Position TELS-PIN

Rotate cable on TELS-01T until TELS-PIN is close to center of panel.

With Middle Panel (B) out of pocket, move Trailing Panel (C) towards Middle Panel until Pin Cable Rider is in-line with TELS-PIN.



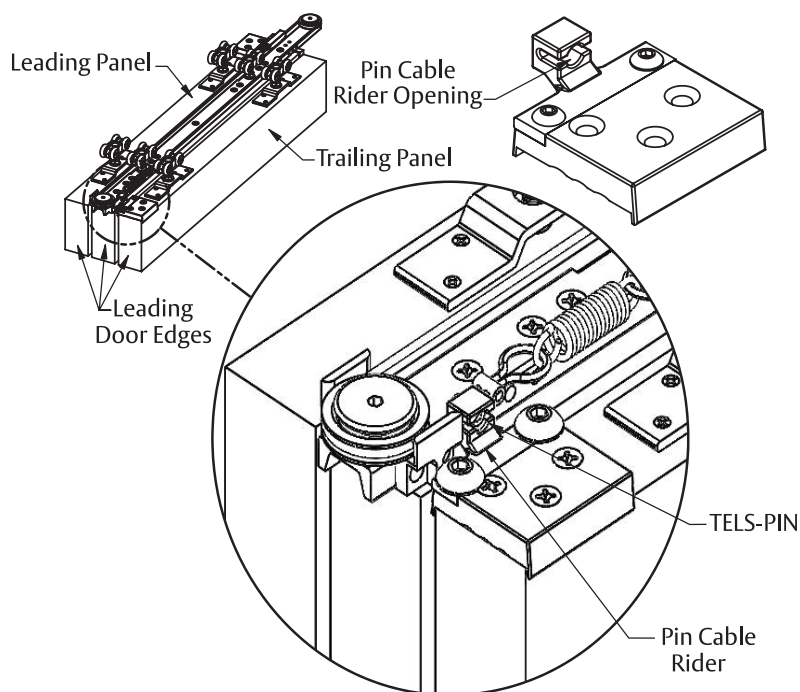
SIM-LH shown for reference only

14. Connect Pin Cable Rider

Connect TELS-PIN to Pin Cable Rider by lifting cable and inserting TELS-PIN into opening of Pin Cable Rider on Trailing Panel (C).

Pull Leading Panel (A) until all three panels are flush.

Ensure TELS-PIN is fully inserted into opening of Pin Cable Rider.



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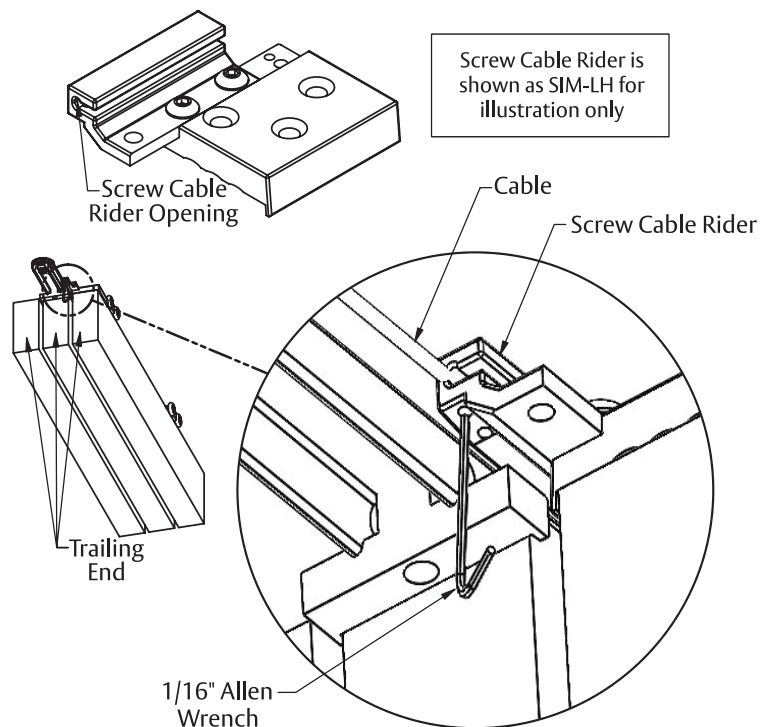
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15. Install Screw Cable Rider

Make sure all panels are flush and aligned with each other.

At trailing edge of Leading Panel (A), lift cable so that it fits inside Screw Cable Rider opening.

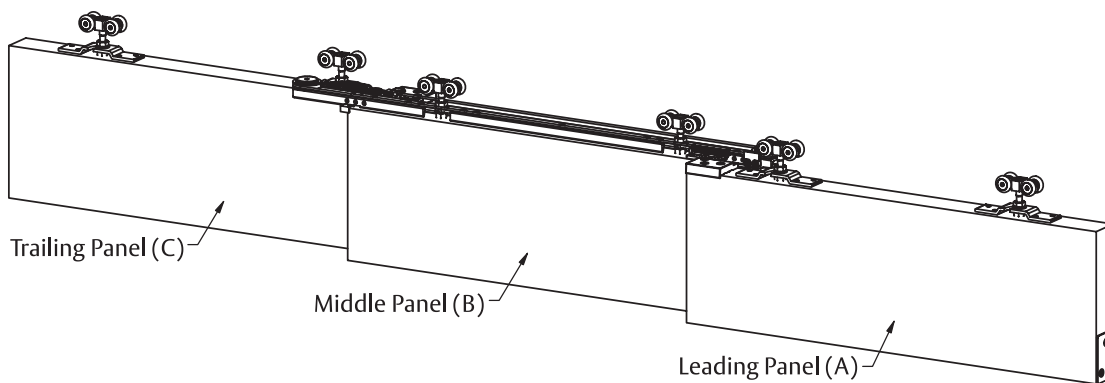
Be sure cable is seated completely in opening of Screw Cable Rider. Tighten set screws using a 1/16" Allen key.



16. Test SIM150 System

While holding Trailing Door stationary, check for proper and smooth operation of SIM150 system by pulling on Leading Panel.

Adjust system if necessary.



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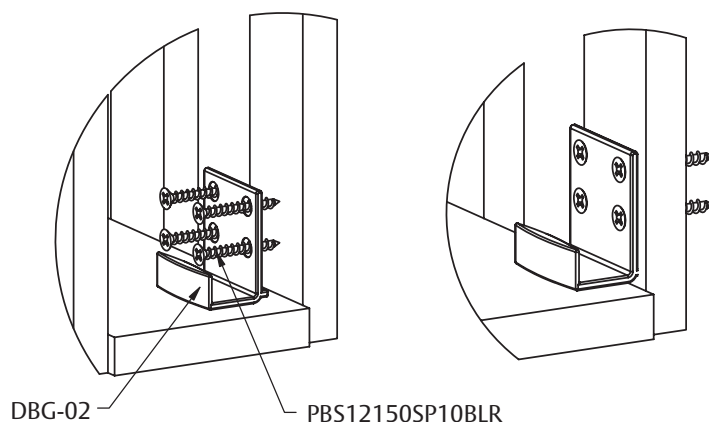
17. Install Wall Mounted Door Bottom Guide

Move doors entirely out of pocket and install Door Bottom Guide (DBG-02) for trailing door to wall of pocket.

Using Door Bottom Guide, mark and drill four (4) mounting holes 1-1/4" deep using a 5/32" drill bit.

Use 1-1/2" wood screws (PBS12150SP10BLR) to secure DBG-02 to stud.

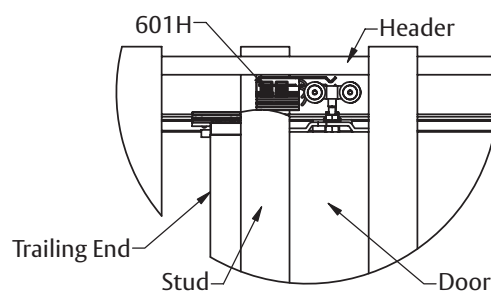
Make sure doors are plumb/vertical. Shim Door Bottom Guide as needed.



18. Install Track Stops In Pocket

Move panels into pocket and adjust three (3) Trailing Hanger In-Track Stops (601H) to their proper locations as shown and tighten in place.

Track and a section of stud removed from image for clarity.

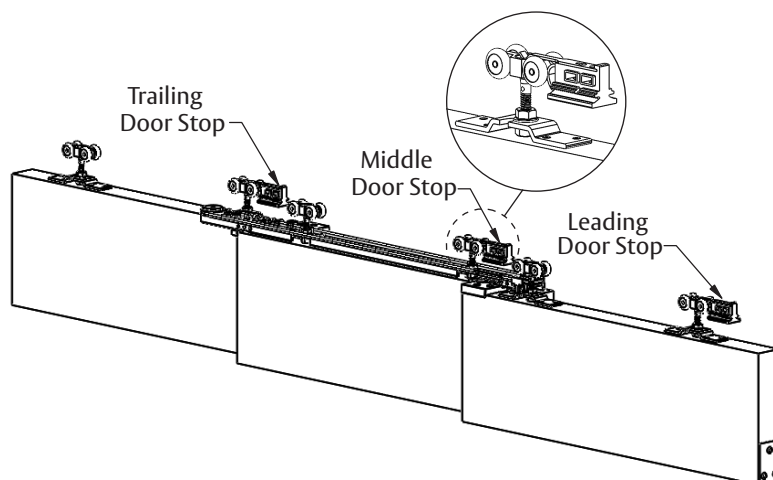


19. Adjust Track Stops In Finished Opening

Pull panels out of pocket to desired extended position as shown.

Adjust Leading Hanger In-Track Stops (601H) accordingly and tighten.

Track removed from image for clarity.



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20. Install Back Stop

Drill 9/16" hole 3" deep in trailing edge of Trailing Panel (C), mid-height of door, centered in edge of panel as shown.

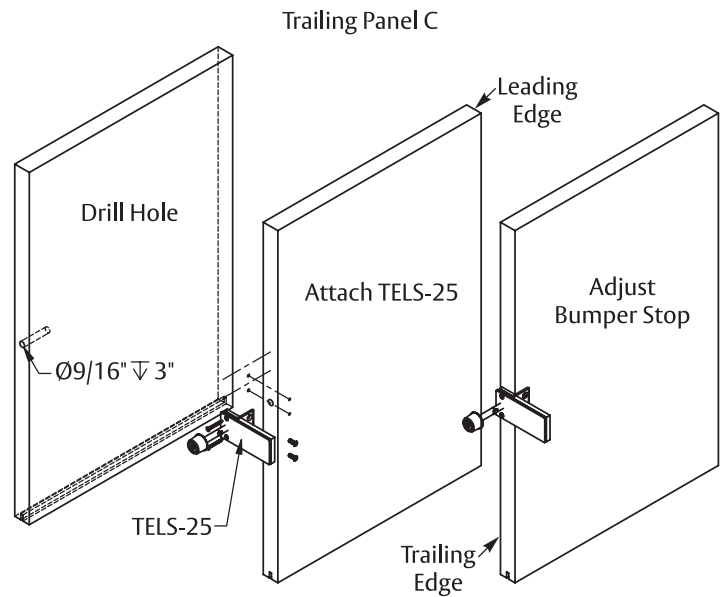
Attach threaded rod to TELS-25 and align with panel.

Using TELS-25 as a template, mark holes for two (2) 1-1/2" wood screws. Drill 5/32" x 1-1/4" pilot holes in trailing edge of door on Trailing Panel C.

Using TELS-25 as a template, mark for thru-bolts. Drill two (2) 3/8" through holes on face of Trailing Panel (C) as shown.

Attach #1/4-20 flathead screws through TELS-25 and into thru-bolt.

Adjust bumper stop according to pocket depth and secure with nut.

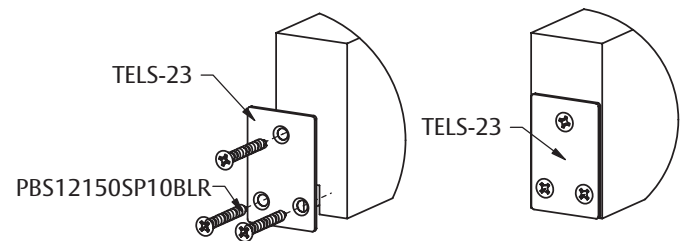


21. Install End Plates

Position Door Bottom End Plates (TELS-23) on leading and trailing edge of panels as shown. Make sure they are centered in panel thickness and flush with bottom edge of panel.

Using end plate as a template, mark and drill three (3) mounting holes 1-1/4" deep using a 5/32" drill bit.

Install each end plate using three (3) 1-1/2" wood screws.



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