

# INDUSTRIAL SLIDING DOOR

## Installation Instructions/Operation and Maintenance Manual



### Models:

SLDB 2016  
 SLDB 3016  
 SLDB 4016

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## Contact Information

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	Toll Free Phone	Email	
	877.446.1519	4psinfo@psindustries.com	

**IMPORTANT!** Read entire Instruction and Operations Manual to become familiar with the product.

**NOTICE** This product is a commercial product. The effectiveness of the product is directly related to the proper installation and operation of this product. Failure to properly maintain this product **will** affect performance.

### Publication Notice

This manual has been compiled and published covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

PS Access Solutions reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

PS Access Solutions and/or its respective suppliers may make improvements and/or changes in the product(s)/ service(s) offered and/or the program(s) at any time without notice.

Retain this manual for future reference.

If you would like to download a copy of this manual, please go to  
[psaccesssolutions.com](http://psaccesssolutions.com)

## Safety Precautions

**The following icons are used throughout this Manual.**

- ▲ DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- ▲ WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ▲ CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderated injury.
- NOTICE** Indicates manufacturer's statement of additional information.
- IMPORTANT!** Indicates a required action.
- CRITICAL** Indicates a vital component to product performance.

## Sliding Door Product Information

**NOTICE** Unauthorized modification of or to the Product voids this Limited Warranty. Authorized modifications, received in writing from PS INDUSTRIES INCORPORATED, as long as the modification is accomplished in strict accordance with PS INDUSTRIES INCORPORATED's instructions, does not void warranty. To request product modifications contact PS INDUSTRIES INCORPORATED, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com

### I. General Information

- A. This manual contains information regarding installation, operation, and maintenance of the PS Access Solutions' Industrial Sliding Doors.

### II. Operation Guidelines

- A. The following procedures and information are supplied for the operation of the Industrial Sliding Door.
- B. Operation in a manner other than intended could result in damage or less than acceptable performance at time of need, for which the manufacturer will not be held responsible.

**▲ WARNING** The Industrial Sliding Door components MAY BE heavy, consult Approved for Construction and included documents for weights and use appropriate lifting procedures and equipment.

### III. Operation Safety Precautions

- A. Ensure opening is clear of all obstruction through then entire travel of the door during operation of door panels.
- B. Use the handles when contacting the door, staying clear of pinch points.
- C. Do not force panels or components if they do not operate freely.
- D. When removing Industrial Sliding Door components, protect all finishes, weatherseals, and hardware. Always consult original Approved for Construction drawings for all installation dimensions, details, hardware, and specifications.

### IV. Storage Prior to Installation of Product

- A. Store materials in a dry, ventilated location. If outdoor storage is required, block materials and tarp in a tent-like arrangement, elevated above the product with open sides to allow airflow.

### V. Installation Site Preparation

**NOTICE** Before starting site preparation and installation of the Industrial Sliding Door, read the entire Operation and Maintenance Manual and review all installation instructions thoroughly.

- A. Clear work area of any debris.
- B. Ensure you have the necessary tools available.
- C. Obtained all required permits.
- D. Determine the appropriate number of personnel required to preform installation and have them readily available at the project site.

## Sliding Door Product Information

### VI. Installation Safety Precautions

- A. Comply with all OSHA Safety Regulations and/or company safety policies when installing.
- B. Install only on surfaces capable of supporting all loading.

**▲ DANGER** Ensure mounting surface is capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the owner.

### VII. Operation Under Normal Conditions

- A. Under normal operation, the PS Access Solutions' Industrial Sliding Door operates by sliding horizontally along the top track system in one direction. To operate, grasp the hand and slide in the direction away from the closed position. Repeat operation in the opposite direction to close.

### VIII. Installation of Bi-Part Sliding Door

- A. This installation instruction depicts a Bi-Part Slide Right installation.  
\*Simply reverse the direction of installation shown in the instructions for Bi-Part Slide-Left installation.

**NOTICE** Only use Approved for Construction Drawings.

#### B. General Installation Guidelines:

1. Install in accordance with best construction practices.
2. Utilize only approved fasteners as provided or specified by manufacturer.
3. Install all components plumb, flat/level, and square as indicated on Approved for Construction Drawings.  
\*Permissible tolerance is  $\pm 1/16$ " per 10 foot length.
4. Field modifications, if required must be coordinated with manufacturer.

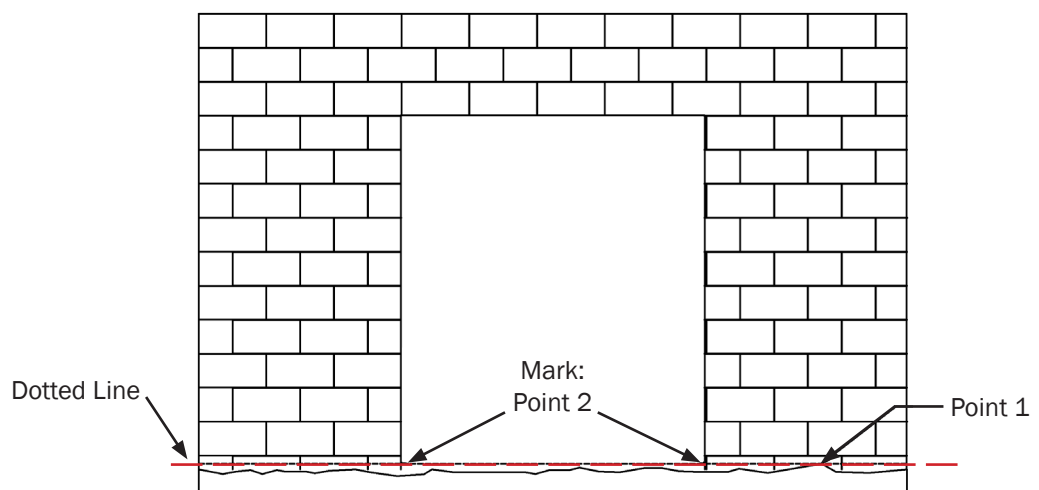
**IMPORTANT!** Follow Manufacturer's technical data manual/installation instructions for installation requirements and proper installation procedures.

**STEP 1.** Determine levelness of slide path. The sliding path of the door must be level.

- a. If imperfections are present: locate the high point on the floor along the entire travel path of the door (refer to Illustration, Point 1).
- b. Mark this point on the door jambs as shown by the dotted line and Point 2 in Illustration.

\*These marks will be used to locate the Stop Jamb Angle and Trail Jamb Channel in later steps.

#### Step 1 Illustration



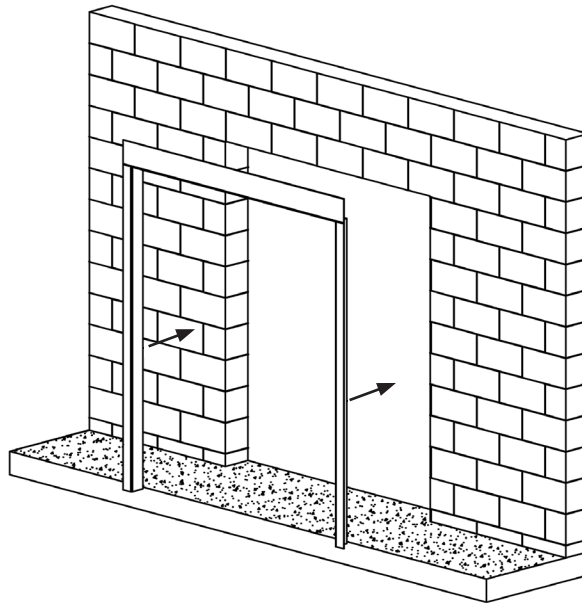
## Sliding Door Installation

**NOTICE** If your door has a Frame Extension, as called out on Approved for Construction Drawings, continue to follow Step 2. If no Frame Extension move to Step 3.

**STEP 2.** Dry fit the three (3) Frame Extension pieces in the opening. If all pieces fit properly:

- Lay Frame Extension on a flat/level surface and weld together, making sure assembly is square.
- Once welded together, slip Frame Extension Assembly into opening and weld or mechanically fasten into place.

### Step 2 Illustration

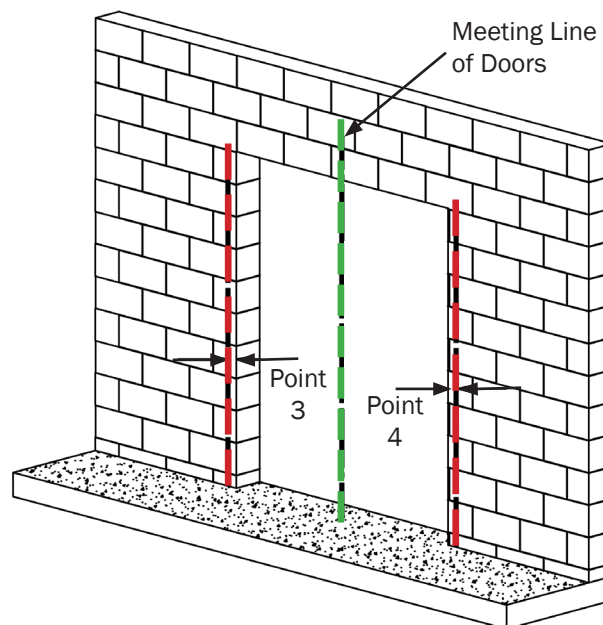


**STEP 3.** Determine Jamb Lap Distance.

Required edge distances specified in Approved for Construction Drawings.

- The Lap Distance is the distance from edge of opening and outside edge of Trail Jamb Channel. (refer to Illustration, Point 3 and Point 4)
- Mark this distance on the jamb. This mark will be used to locate the Trail Jamb Channel in a later step.

### Step 3 Illustration

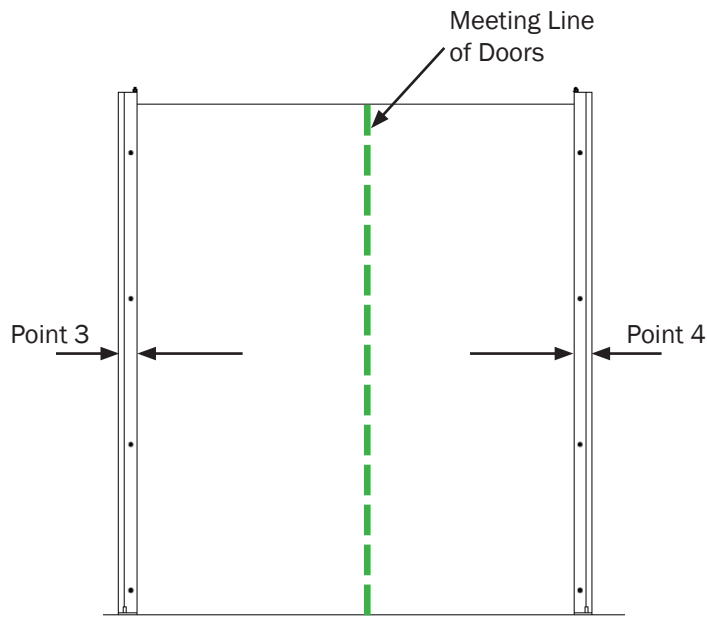


## Sliding Door Installation

### STEP 4. Mount the Trail Jamb Channel to the door jamb or wall.

- The outside edge of the Trail Jamb Channel should line up with the marks from Step 3, making sure it is plumb.
- Bottom of the attached stay roller plate should be FLUSH with the high-point line from Step 1. If the floor is reasonably level, this plate will rest on the floor.

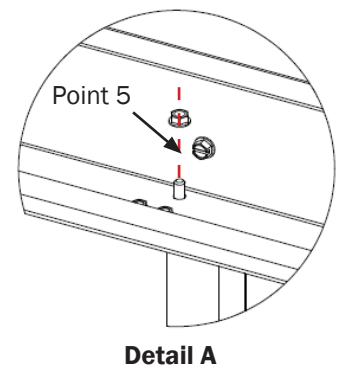
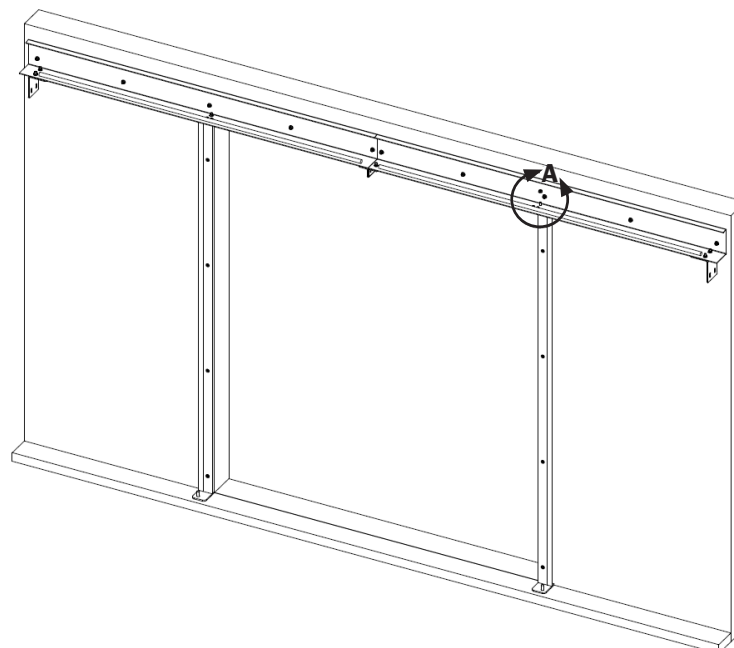
#### Step 4 Illustration



### STEP 5. Mount Top Track Assembly to the top of the Trail Jamb Channel.

- Place the Top Track Assembly (C) on the  $\frac{3}{8}$ " threaded stud welded to the top of the Trail Jamb Channel (B).
  - Tighten the provided  $\frac{3}{8}$ " Flange Nut, to fasten the pieces together. (Refer to Detail A, Point 5)
  - After making sure the track is in the correct position and level, anchor track securely to building structure at holes provided.
- \*Provide additional bracing, as required, where no wall attachment is available.

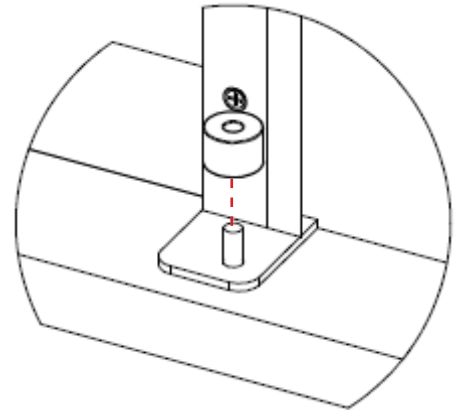
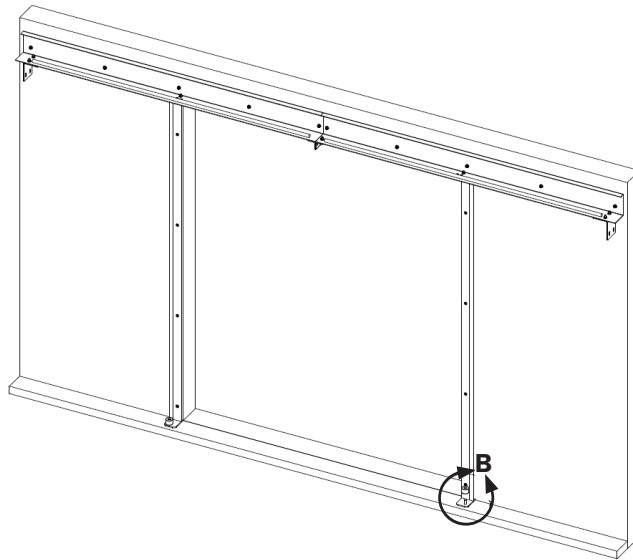
#### Step 5 Illustration



## Sliding Door Installation

**STEP 6.** Install Bottom Guide Rollers on stud at bottom of Trail Jamb Channels. (See Illustration)

### Step 6 Illustration

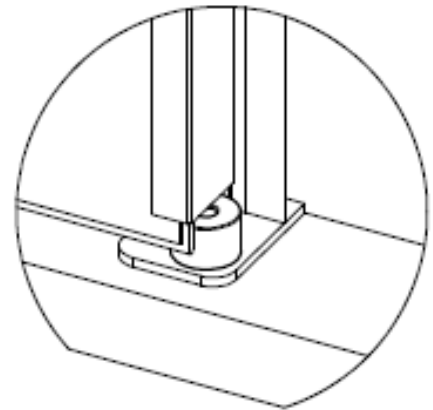
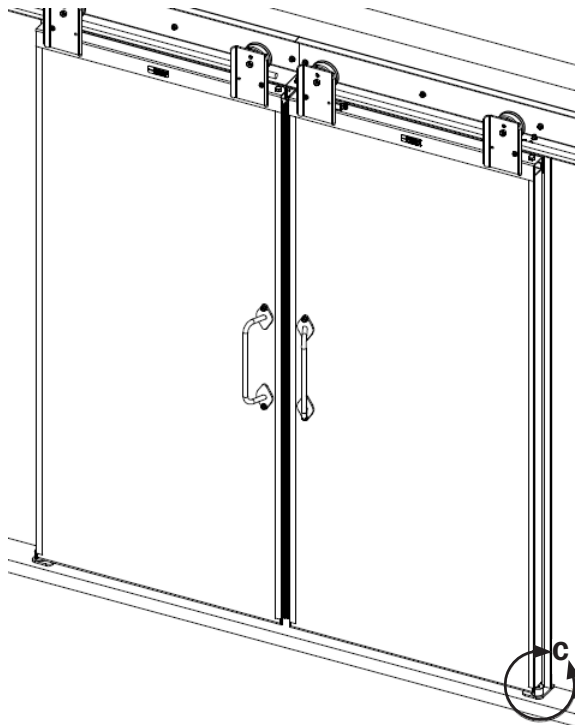


**Detail B**

### STEP 7.

- Remove Safety Stud (M). (See Illustration A)
- Set Door Panel over the Bottom Guide Roller. (See Illustration B)
- Lift door slightly to set top rollers on the rack rail.
- Reinstall Safety Studs (M)
- Move door back and forth slowly to ensure proper operation.
- Align door to Stop Jamb Angle by adjusting top trolley bolts, adjusting floor clearance with these bolts.  
\*Be sure to tighten the jamb nuts to lock adjustments into place.
- Repeat Steps 8a through 8f for opposite panel.

### Step 7 Illustration



**Detail C**

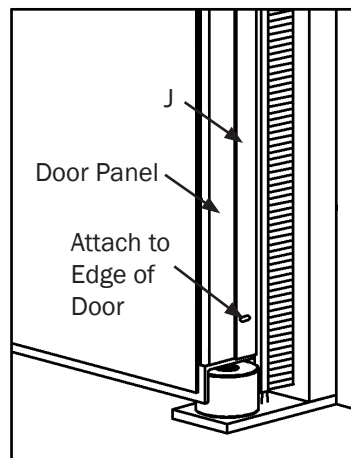
## Sliding Door Installation

**NOTICE** Only use Approved for Construction Drawings.

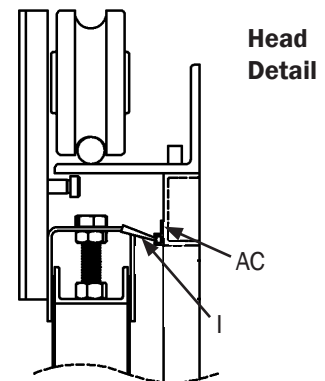
**STEP 8.** Review all Approved for Construction drawings.

- Attach Head Seal to head channel. It should extend all the way to the stop angle and be flush with the bottom of the head channel.
- Attach Trail Jamb Seal to trailing edge of door, not to Trail Jamb. Refer to Approved for Construction Drawings for correct side. *\*Keep screws above bottom guide Channel.*
- Use weather-strip screws (AC) provided for all brush seal.
- Attach Stop Jamb Seal to Stop Angle, use hammer and a block of wood (supplied by others, NOT PS Access Solutions) to tap in place.

**Step 8  
Illustration A**

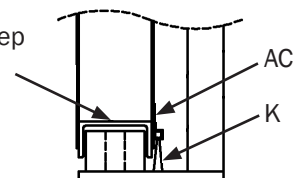


**Step 8  
Illustration B**



**Head  
Detail**

**CRITICAL** Keep screws above bottom Door Guide Channel



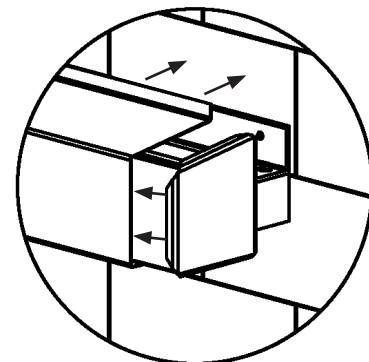
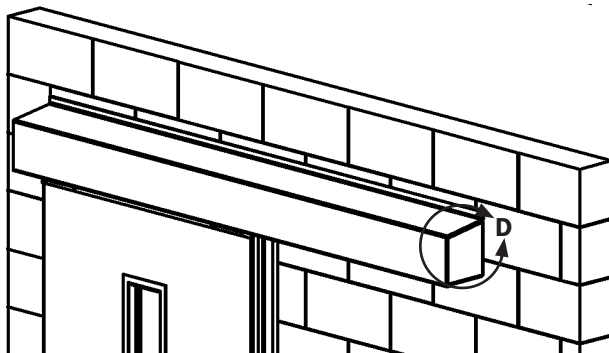
**Sill  
Detail**

**STEP 9.** Install optional Weatherhood

- Install end caps in weatherhood.
  - Attach hood to wall above tack, on installations where hood attaches to ribbed sided:
    - The gaps need to be filled and caulked.
- OR —
- A slot can be cut into steel siding and top vertical flange on the weatherhood can be slipped behind the siding and fastened in place.

\*All additional flashing by others, not PS Access Solutions.

**Step 9  
Illustration**



**Detail D**



## Inspection and Maintenance

### XIV. Inspection and Maintenance (Minimum Annually)

**IMPORTANT!** Consult parts list before replacing fasteners, as all have specific design load requirements. Only use like items for replacement.

#### A. Frame:

1. Inspect components for damage and misalignment. Adjust, repair, or replace as needed, to meet original design tolerance.
2. Inspect all mounting connection points for corrosion, replace as necessary.

#### B. Door Panel(s):

1. Inspect door panel for corrosion or damage.
2. Inspect door panel alignment and free movement; clearance from ground/walking surface. Adjust door panel at trolley assembly using adjusting bolts. (Refer to Installation Instructions for additional details)

#### C. Safety Studs:

1. Ensure safety studs are in place and tight. Repair and/or tighten as necessary, to meet original design tolerances.

#### D. Handles:

1. Inspect all handles for wear, replace or repair as necessary.

#### E. Weatherhood:

1. Ensure weatherhood is properly fastened and all clearances are within design tolerances to allow for normal door operation. Adjust weatherhood, repair or replace any damage components as necessary.

#### F. Fasteners and mechanical connections:

1. All fasteners must be in place and adjusted to their original design standard. Replace any damaged components (refer to Approved for Construction Drawings and Anchor Specifications).

#### G. Top Roller Assemblies:

1. Inspect roller assemblies to ensure there are no flat spots on rollers, roller bearings are greased, and rollers operate freely.
2. Replace any damaged rollers as needed.
3. Grease roller bearings via grease fitting with factory approved lubricants. Only using a general purpose grease rated for operating temperature of our geographical area and environmental conditionals. Larger doors may use a permanently lubricated and sealed roller bearing, replace when bearing wears out.

#### H. Caulk and Sealants:

1. Inspect all sealants used to insure their effectiveness. Replace any cracked, loose, or otherwise non-performing sealants.

#### I. Weatherseals:

1. Inspect weatherseals for damage, continuous adhesion to the attached surface, proper positioning, and compression
2. Replace or repair if damage or deterioration to gaskets has occurred.

#### J. Finishes:

1. Inspect all surfaces for signs of wear or corrosion and clean finishes periodically.
2. Touch up repair finishes, or refinish as necessary to protect the structural integrity.

#### K. Housekeeping:

1. To ensure your product continues to operate and last, upon completion of proper installation, complete the following:
  - a. Clean sill and jambs of any debris and keep the area clean throughout the operating area of the door, including snow removal.
  - b. If project is ongoing, protect installed products until final completion of project.
  - c. Touch-up, repair, or replace damaged components.
2. Ensure the area is clear of debris and interferences, paying close attention to the trajectory of the sliding door.

#### L. Labels and Placards:

1. Inspect all labels and placards.
2. Replace any labels and placards which are unreadable/missing.



Inspection and Maintenance Log

**CRITICAL** Periodic Inspection and Maintenance Required. Inspect at minimum annually.

Date Purchased:

Product:

Model Number:

Serial Number:

Opening Identifier/ Number:

Location:

DATE INSPECTED	INSPECTED BY <i>(Print &amp; Sign)</i>	INSPECTION ITEMS NOTED	CORRECTIVE ACTION	CORRECTED BY <i>(Print &amp; Sign)</i>

Inspection and Maintenance Log

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# PS INDUSTRIES INCORPORATED – LIMITED WARRANTY

**Limited Warranty:** Subject to the terms of this Limited Warranty, PS INDUSTRIES INCORPORATED warrants to the original user or consumer (the "Owner") of a PS INDUSTRIES INCORPORATED product (the "Product") that, for a period of five (5) years from date of shipment, the Product will be free from defects in material and workmanship under normal use and service, and provided the Product is installed, operated and maintained in accordance with instructions supplied by PS INDUSTRIES INCORPORATED. The terms and limitations of this Limited Warranty apply to all repaired or replacement Products for a term equal to the balance of the warranty remaining on the Product that was repaired or replaced as of the date of such repair or replacement.

**PS Flood Barriers™ Product Warranty Registration:** For PS Flood Barriers™ Products, this Limited Warranty will only be valid if the Owner completes the Warranty Registration Form provided within thirty (30) days of Product installation. To request a copy of the Warranty Registration form, contact PS INDUSTRIES INCORPORATED, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com. Additional Warranty Registration Forms can be downloaded at [www.psfloodbarriers.com/download-center/](http://www.psfloodbarriers.com/download-center/)

**Warranty Exclusions:** Notwithstanding anything to the contrary, this Limited Warranty does not cover any of the following:

1. Normal wear and tear (including, but not limited to, normal wear and tear to gaskets and weather seals); damage or accidents resulting from freight damage, from failure to follow precautionary safety measures, or applied paint failure; abuse, misuse or unauthorized modification of the Product; misapplication; improper installation; or any defects, damage or other harm that is not the result of the acts or omissions of PS INDUSTRIES INCORPORATED.
2. Cost of field labor or other charges incurred by Owner in removing and/or re-affixing the Product or any part or component thereof.
3. Transportation costs.

Unauthorized modification of or to the Product voids this Limited Warranty. Authorized modifications, received in writing from PS INDUSTRIES INCORPORATED, as long as the modification is accomplished in strict accordance with PS INDUSTRIES INCORPORATED's instructions, does not void warranty. To request product modifications contact PS INDUSTRIES INCORPORATED, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com.

**Claim Procedure:** To make a claim under this Limited Warranty, the claim must be received by PS INDUSTRIES INCORPORATED before the expiration of the above stated Limited Warranty period together with proof of purchase. Contact PS INDUSTRIES INCORPORATED at the address shown below.

PS INDUSTRIES INCORPORATED	Toll Free: 877-446-1519
Attention: Warranty	Phone: 701-746-4519
1150 S. 48th Street	Fax: 701-746-8340
Grand Forks, ND 58201	E-mail: 4psinfo@psindustries.com

An authorized PS INDUSTRIES INCORPORATED representative must be given a reasonable opportunity to inspect and investigate the alleged Product defect prior to any work being done that affects the Product or its installation. PS INDUSTRIES INCORPORATED reserves the right to charge reasonable amounts for travel and labor associated with investigation of claims. PS INDUSTRIES INCORPORATED may also require photographs of the alleged Product defect or return of the Product or part to a designated PS INDUSTRIES INCORPORATED location, freight prepaid. A return goods authorization must be received prior to the return of the Product or part. Please contact PS INDUSTRIES INCORPORATED to determine the designated location for return and to obtain the return material authorization.

**Exclusive Remedy:** In the event of a warranty claim that PS INDUSTRIES INCORPORATED determines to be covered by this Limited Warranty, PS INDUSTRIES INCORPORATED will replace or repair, at PS INDUSTRIES INCORPORATED's discretion, the Product or any part of the Product found to be defective.

**Disclaimers:** The above warranty and remedy is the sole express warranty and remedy given by PS INDUSTRIES INCORPORATED on its Product. No warranties or representations at any time made by any representative from PS INDUSTRIES INCORPORATED shall vary or expand the provisions hereof. TO THE EXTENT PERMITTED BY LAW, ALL EXPRESS AND IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT) OTHER THAN THE EXPRESS LIMITED WARRANTY SET FORTH ABOVE ARE EXPRESSLY DISCLAIMED. UPON THE EXPIRATION OF THE ABOVE STATED LIMITED WARRANTY PERIOD, ANY AND ALL APPLICABLE IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, ARE DISCLAIMED. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO OWNER.

**LIABILITY LIMITATION:** In no event will PS INDUSTRIES INCORPORATED's liability to Owner or any other person or entity exceed the price paid to PS INDUSTRIES INCORPORATED for the defective Product. IN NO EVENT SHALL PS INDUSTRIES INCORPORATED BE LIABLE TO OWNER OR ANY OTHER PERSON OR ENTITY FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF WARRANTY (INCLUDING ANY IMPLIED WARRANTIES) OR ANY OTHER CONTRACT, STRICT LIABILITY, NEGLIGENCE OR OTHER TORT, OR OTHERWISE, INCLUDING ARISING FROM INSPECTION OR REMEDY DELAYS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO OWNER.

THIS WARRANTY GIVES OWNER SPECIFIC LEGAL RIGHTS AND OWNER MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

Rev. 103018



**877.446.1519**

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