

SAFEMEZZ®

Pallet Gate



Installation Instructions/Operation and Maintenance Manual

Models:

All Models

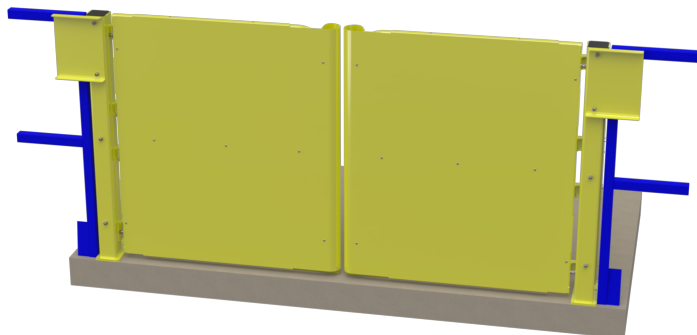


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Contact Information

Mail

PS Safety Access
1150 South 48th Street
Grand Forks, ND 58201

Local Phone

701.746.4519

Toll Free Phone

877.446.1519

Hours of Operation

8 A.M. to 5 P.M. CT
Monday – Friday

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

NOTICE This product is a fall protection 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 Safety Access™ 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 Safety Access 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 pssafetyaccess.com

Product registration is an essential step to protecting your product, register Online at psindustries.com/contact/register-your-product/



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.

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' instructions, does not void warranty. If this product is modified or altered without manufactures permission, manufacturer is no longer responsible for the product design, engineering, or performance and owner assumes all responsibility. 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 Safety Access' SafeMezz® Pallet Gate.
- B. PS Safety Access recommends that the owner implement a regular preventative maintenance program to inspect and maintain the Pallet Gate at a minimum, in accordance with the recommendations in this manual.

II. Operation Guidelines

- A. The Pallet Gate is designed to meet:
 - 1. OSHA Railing Standard 1910.29(b), and ANSI A1264.1-2017.
- 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.

III. Safety Precautions

- A. Ensure opening is clear of all obstructions through the entire proposed travel of the Pallet Gate during operation.
- B. Comply with all OSHA and ANSI Safety Regulations and/or company safety policies when installing.

▲ WARNING Do NOT force components if they do not operate freely.

▲ DANGER Ensure area below installation is blocked off from personnel during installation, and mounting surface is capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the owner.

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 Pallet Gate, read the entire Operation and Maintenance Manual and review all additional installation instructions thoroughly.

- A. Clear work area of any debris.
- B. Ensure you have the necessary tools available.
- C. Obtain all required permits.
- D. Personnel: Determine the appropriate number of personnel required to perform installation and have them readily available at the project site (2-3 people recommended).
- E. Ensure all installation personnel utilize appropriate fall protection equipment and procedures during installation.

Product Information

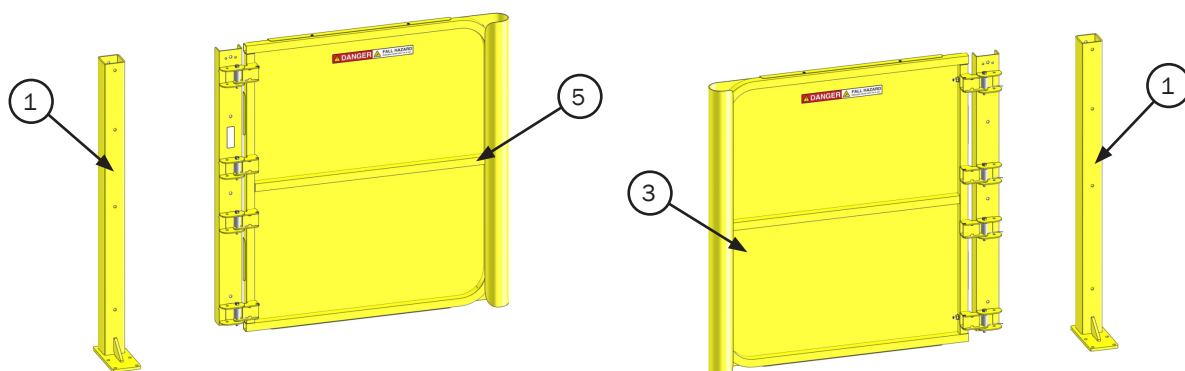
VI. Recommended Tools for Installation:

A. Tools:

1. One (1) $\frac{9}{16}$ " Socket and Ratchet
2. Two (2) $\frac{9}{16}$ " Wrenches
3. One (1) Tape Measure
4. One (1) Level
5. One (1) Rubber Mallet
6. One (1) $\frac{5}{16}$ " Nut Driver and Impact Drill*
*Used for optional Toe Board Installation (refer to Page 6).
7. Depending on anchoring configuration, additional tools may be required.

VII. Pallet Gate Part List

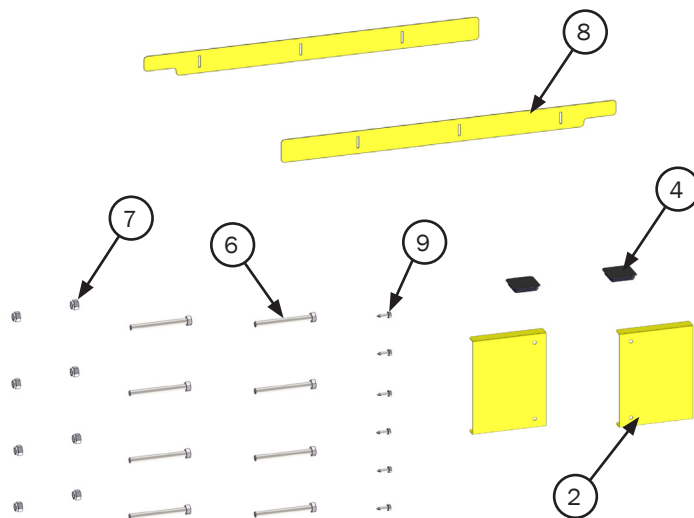
A. Review inventory to ensure all parts are present for assembly/installation. Refer to part list below.



Pallet Gate Part List
(As shipped)

ITEM #	DESCRIPTION	QTY
1	PLG;MOUNT POST	2
2	PLG;TIE CHANNEL	2
3	PLG;LEFT HAND ASM	1
4	PLUG;TUBE BLACK, 3" SQ 7-3GA	2
5	PLG;RIGHT HAND ASM	1
6	BOLT;HEX3/8"16X3 3/4	8
7	NUT;NYLOCK 3/8"16	8
8*	PLG;TOE BOARD	2
9*	SCREW;HEXDRILL 12-14X3/4	6

*Used for optional Toe Board Installation (refer to Page 6).



VIII. Operation

A. To Operate:

1. From below the Gate, slowly forklift a pallet of secured material through the self-closing Pallet Gate, lower, and back away. When the pallet is removed from the pallet drop area the Gate will self-close into the closed position.

IMPORTANT! The Pallet Gate serves as a means of fall protection ONLY when the Gates are in the closed position. When materials are within the pallet drop area the Pallet Gates become propped open. Due to variability in pallets moving through the Pallet Gate opening, the Pallet Gate should never be assumed to be a structural means of fall protection when the Gates are open. It may be necessary to employ another primary means of fall protection for personnel working on the elevated mezzanine.

Installation

IX. Installation Preparation

NOTICE This product model has been load-tested while anchored to a concrete floor. It is the installer's responsibility to verify this product meets all applicable codes based on the specific installation environment.

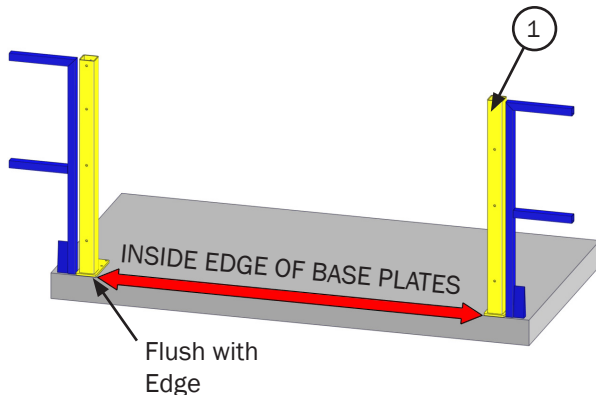
CRITICAL Ensure mounting surface is capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the Installer. Fasteners must be of sufficient size, grade, appropriate for anchoring material, etc. to accept the potential loading. Consult qualified Structural Engineer.

STEP 1. Position Mount Posts centered in opening with specified distance between base plates. Before fixing in place, test fit the Tie Channel to ensure it will align with the existing structure (refer to Step 3). If necessary, shift Mount Posts into or out of the opening. The base plate can be flush with the mezzanine edge, but NO overhang is allowed.

a. Match drill holes and install anchors. Ensure post is plumb and level. Shim base plates as necessary.

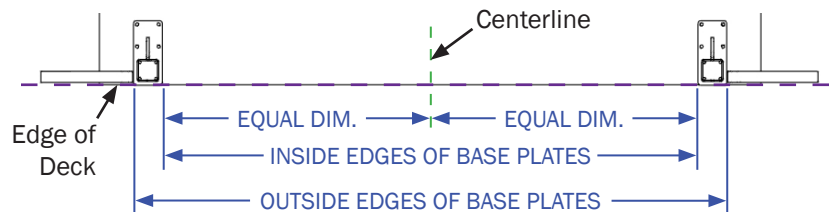
NOTICE Anchors to be selected and provided by the installer. Mounting holes in base plates are $\frac{7}{16}$ " , intending a $\frac{3}{8}$ " diameter anchor to be used.

Step 1 Illustration I



Inside Edges of Base Plates	
GATE MODEL	DISTANCE
PLG-60	62 $\frac{3}{4}$ "
PLG-72	74 $\frac{3}{4}$ "
PLG-96	98 $\frac{3}{4}$ "
Custom Gate	Nominal Opening Width + 2 $\frac{3}{4}$ "

SafeMezz® Pallet Gate Install Reference

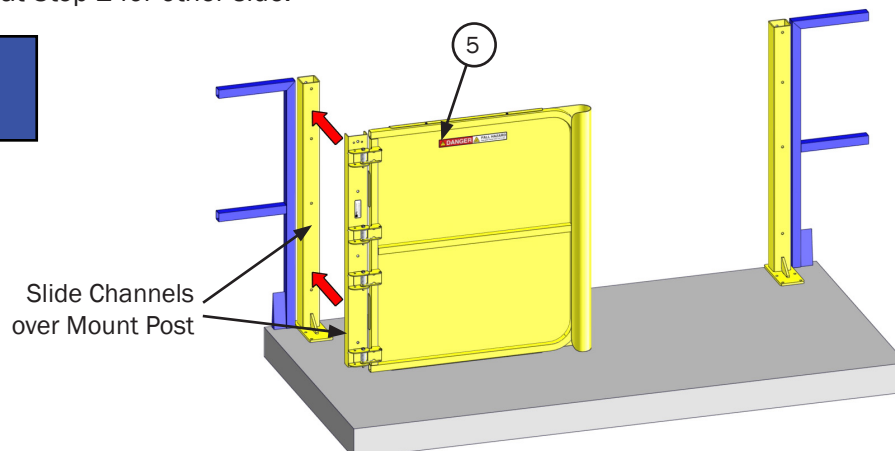


STEP 2. Slide channel attached to either the Left or Right Hand Assemblies over the respective Mount Post.

a. Install two (2) $\frac{3}{8}$ " bolts and nylock nuts in bottom two (2) holes, to keep Gate in place.

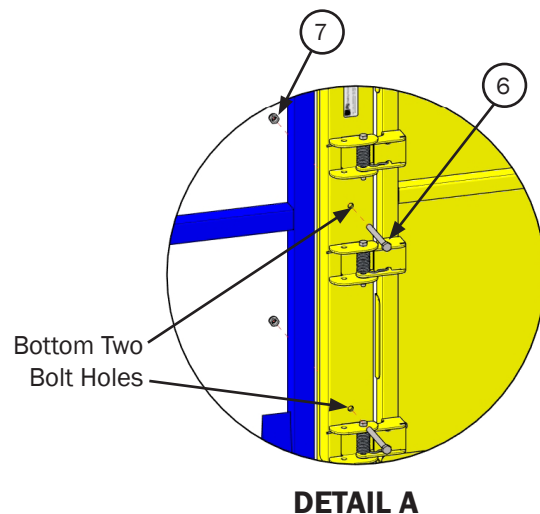
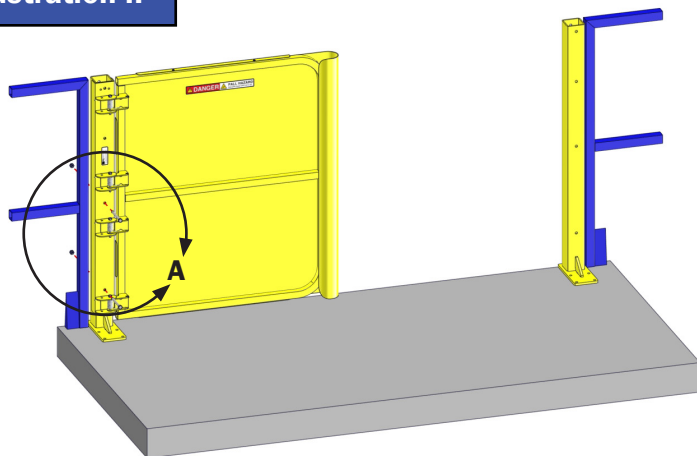
b. Repeat Step 2 for other side.

Step 2 Illustration I



Installation

Step 2 Illustration II



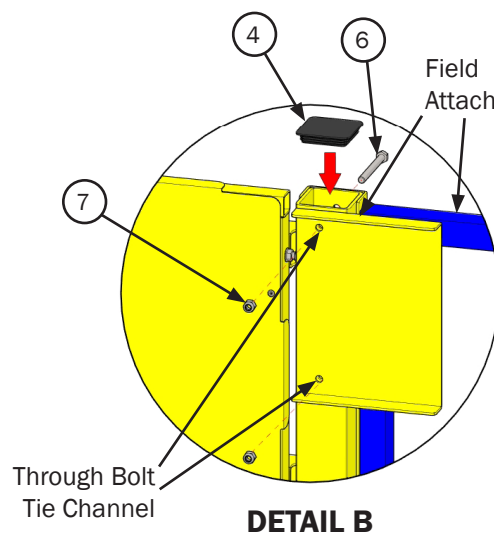
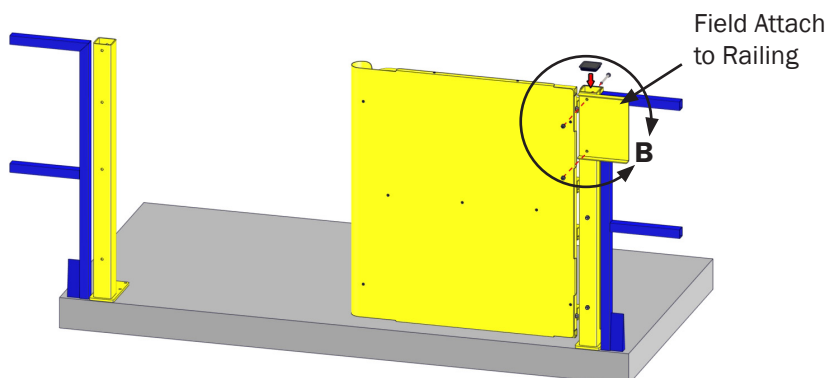
STEP 3. Align Tie Channel with top two (2) holes in Mount Post.

- Through-bolt using two (2) $\frac{3}{8}$ " bolts and nylock nuts.
- Torque all four (4) bolts to 23 ft*lbs.
- Attach Tie channel to railing using desired method of attachment (match drill, weld, etc.) designed by the installer to meet all field loading requirements.
- Install black plastic tube plug.
- Repeat Step 3 for other side.

NOTICE Not all mounting structure is the same. It is up to the installer to design connection between the Tie Channel and the existing structure and verify the installation meets all applicable codes and loading requirements.

IMPORTANT! If Tie Channels are unable to be used, it is the installer's responsibility to design structural attachment of the top of the Mount Post to the existing structure. The product installation shall be verified to meet all applicable codes and loading requirements.

Step 3 Illustration I

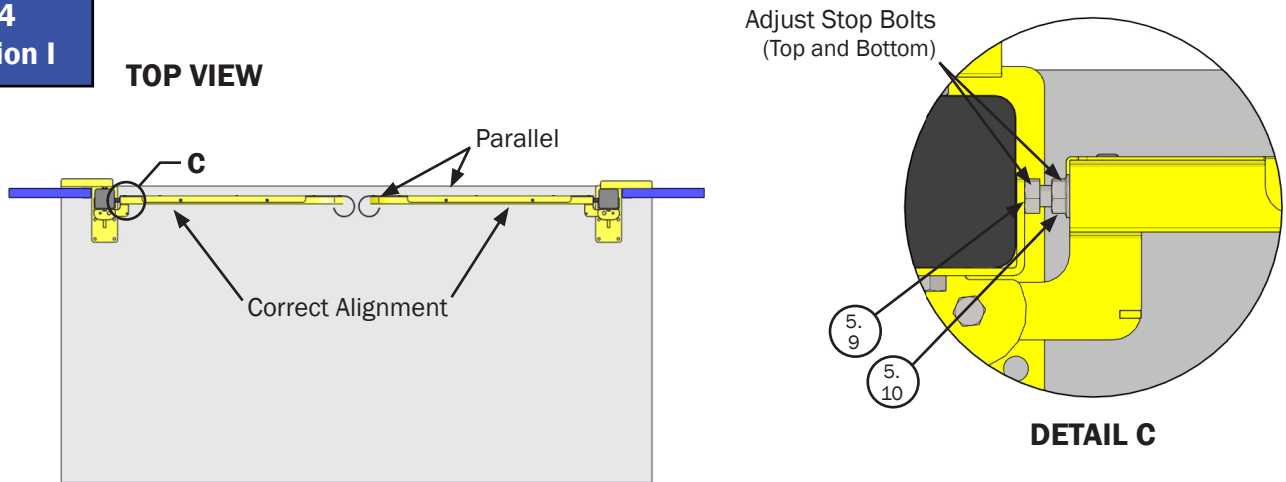


Installation

STEP 4. Adjust stop bolts (top and bottom) until Gates are parallel with the edge and existing structure.

- Once adjusted, use two $\frac{9}{16}$ " wrenches to hold the stop bolt in position while tightening the flange nut into the gate to ensure the stop bolt does not move.

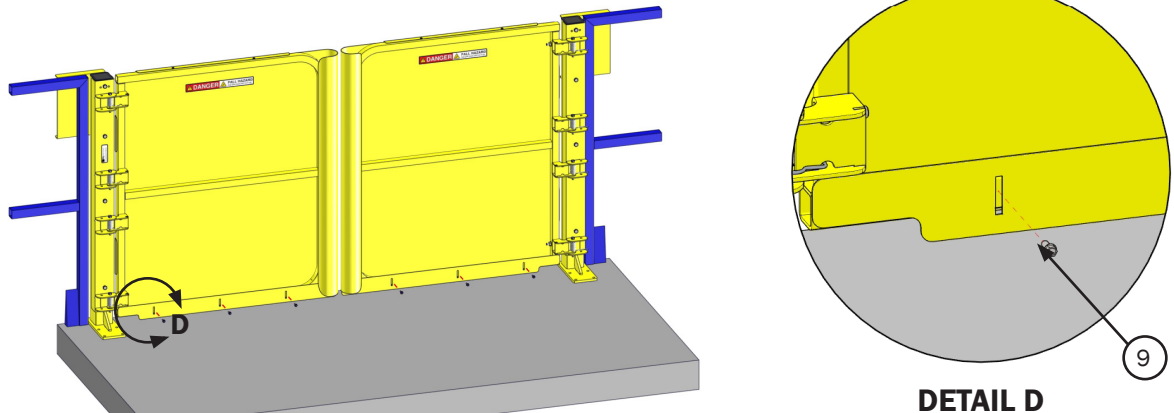
Step 4 Illustration I



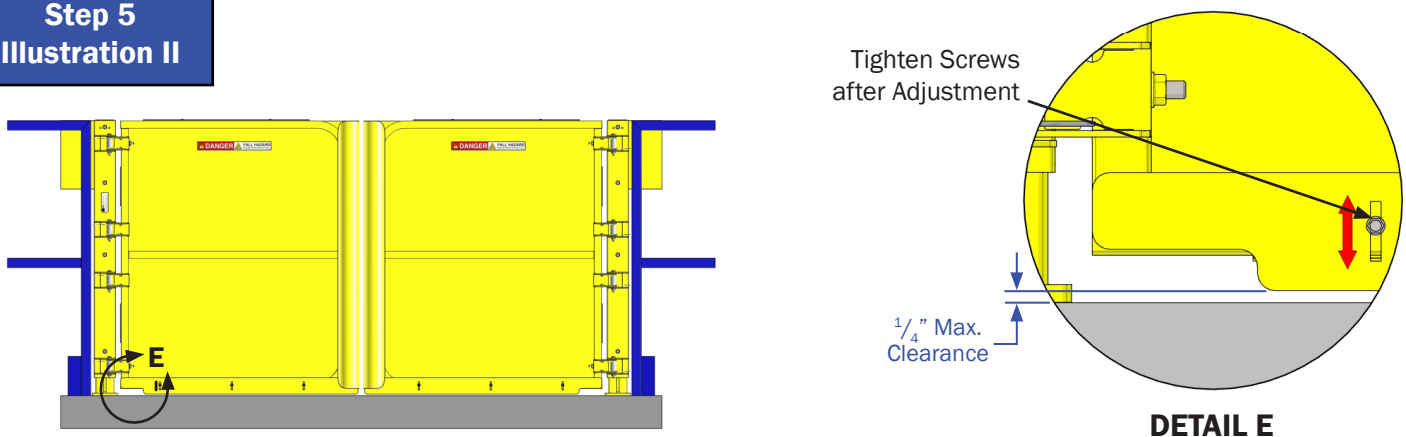
STEP 5. OPTIONAL: Toe Board to reduce clearance below Gates and prevent falling objects.

- Align Toe Board on base of Gate and slide tight to rounded end of Gate sheet.
- Use three (3) self-drilling screws to loosely attach.
- Adjust to allow for a $\frac{1}{4}$ " maximum clearance above floor surface, and tighten screws.
- Repeat Step 5 for other side.

Step 5 Illustration I



Step 5 Illustration II



Replacement Parts List

X. Replacement Parts List

- A. These Replacement Parts Lists are for all SafeMezz® Pallet Gate Models.
 B. The Parts Diagram is located on Page 8.

Replacement Parts List				
ITEM #	DESCRIPTION	QTY	PCY	SST
1	PLG;MOUNT POST	2	515402	515432
2	PLG;TIE CHANNEL	2	515407	515436
3	REFER TO HARDWARE VARIANT			
3.1	REFER TO HARDWARE VARIANT			
3.2	REFER TO HARDWARE VARIANT			
3.3	PLG;POST HINGE	1	515410	515438
3.4	RIVET; 3/16 DIA X 3/8 GRIP	11	501441	501442
3.5	LSG;WASHER NYLON .875X.367X.04	8	501018	501018
3.6	BOLT;HEX5/16"18X3	4	500431	508239
3.7	LSG;TORSION SPRING, ST. STL	4	501659	501659
3.8	NUT;NYLOCK 5/16"18	4	501126	508995
3.9	BOLT;TAP3/8"16X2 1/2	2	500452	503201
3.10	NUT;FLANGE 3/8"16	2	501085	502854
3.11	DECAL;ESG, SG, & MG DANGER	1	513488	513488
4	PLUG;TUBE BLACK, 3" SQ 7-3GA	2	515497	515497
5	REFER TO HARDWARE VARIANT			
5.1	REFER TO HARDWARE VARIANT			
5.2	REFER TO HARDWARE VARIANT			
5.3	PLG;POST HINGE	1	515410	515438
5.4	RIVET; 3/16 DIA X 3/8 GRIP	11	501441	501442
5.5	LSG;WASHER NYLON .875X.367X.04	8	501018	501018
5.6	BOLT;HEX5/16"18X3	4	500431	508239
5.7	LSG;TORSION SPRING, ST. STL	4	501659	501659
5.8	NUT;NYLOCK 5/16"18	4	501126	508995
5.9	BOLT;TAP3/8"16X2 1/2	2	500452	503201
5.10	NUT;FLANGE 3/8"16	2	501085	502854
5.11	DECAL;ESG, SG, & MG DANGER	1	513488	513488
5.12	DECAL;MARKETING SAFETY ACCESS	1	514730	514730
6	BOLT;HEX3/8"16X3 3/4GR5ZN	8	502934	
6	BOLT;HEX3/8"16X4"SS	8		508998
7	NUT;NYLOCK 3/8"16	8	501120	502176
8	REFER TO HARDWARE VARIANT			
9	SCREW;HEXDRILL 12-14X3/4	3	501501	503043

Finish Options	
SST	Stainless Steel
PCY	Powder Coat Safety Yellow

**TO ORDER PARTS CONTACT PS SAFETY ACCESS AT
877.446.1519 or 4psinfo@psindustries.com**

Hardware Variant for PLG-60 Gates				
ITEM #	DESCRIPTION	QTY	PCY	SST
3	PLG;LEFT HAND ASM - 60"	1	515475	515487
3.1	PLG;GATE - 60"	1	515477	515489
3.2	PLG;SHEET - 60"	1	515482	515493
5	PLG;RIGHT HAND ASM - 60"	1	515476	515488
5.1	PLG;GATE - 60"	1	515477	515489
5.2	PLG;SHEET - 60"	1	515482	515493
8	PLG;TOE BOARD - 60"	1	515485	515495

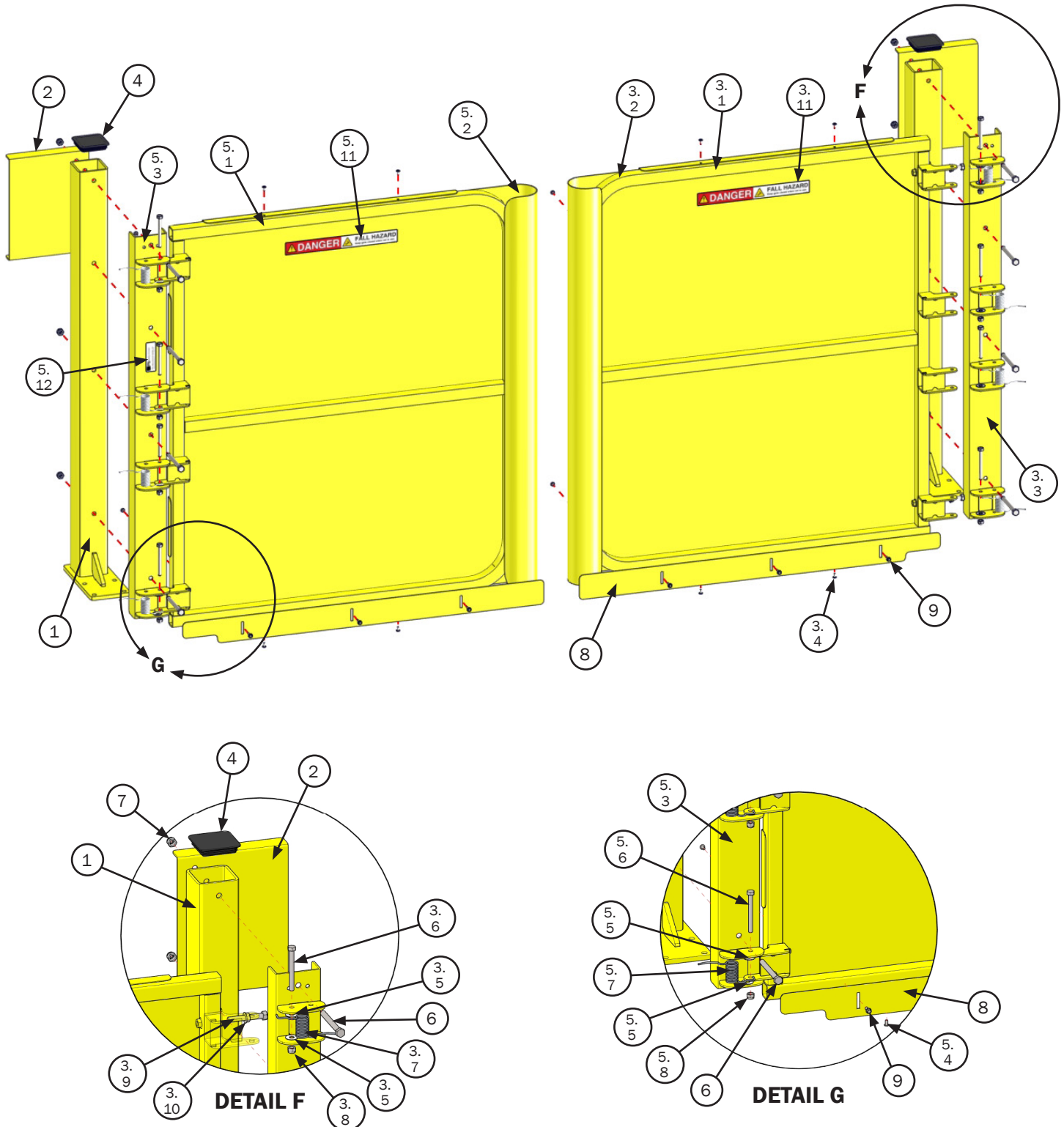
Hardware Variant for PLG-72 Gates				
ITEM #	DESCRIPTION	QTY	PCY	SST
3	PLG;LEFT HAND ASM - 72"	1	515454	515466
3.1	PLG;GATE - 72"	1	515456	515468
3.2	PLG;SHEET - 72"	1	515461	515472
5	PLG;RIGHT HAND ASM - 72"	1	515455	515467
5.1	PLG;GATE - 72"	1	515456	515468
5.2	PLG;SHEET - 72"	1	515461	515472
8	PLG;TOE BOARD - 72"	1	515464	515474

Hardware Variant for PLG-96 Gates				
ITEM #	DESCRIPTION	QTY	PCY	SST
3	PLG;LEFT HAND ASM - 96"	1	515400	515430
3.1	PLG;GATE - 96"	1	515416	515443
3.2	PLG;SHEET - 96"	1	515425	515451
5	PLG;RIGHT HAND ASM - 96"	1	515401	515431
5.1	PLG;GATE - 96"	1	515416	515443
5.2	PLG;SHEET - 96"	1	515425	515451
8	PLG;TOE BOARD - 96"	1	515428	515453

Replacement Parts Diagram

XI. Replacement Parts Diagram

- A. This Parts Diagram is for all SafeMezz® Pallet Gate Models.
 B. The Replacement Parts Lists are located on Page 7.



Inspection and Maintenance

XII. Inspection and Maintenance

- A. Environmental conditions may affect the maintenance and repair requirements of the product, and recommended preventative maintenance frequency.
- B. If any of the inspection items are found to not meet the standard IMMEDIATELY “TAG OUT” the SafeMezz® Pallet Gate removing it from active use and guard the opening until repairs are completed.

NOTICE PS Safety Access recommends that the owner implement a regular and preventative maintenance program to inspect and maintain Pallet Gate at a minimum, in accordance with the recommendations in the table below.

▲ WARNING While performing maintenance and inspection ensure personnel utilize appropriate fall protection equipment and procedures.

Recommended Preventative Maintenance					
ITEM	FREQUENCY	ITEM DESCRIPTION	WHAT TO INSPECT	STANDARD	REPAIR ACTION
1	Each Use	General Housekeeping	Opening	Opening must be kept free of debris and obstructions.	Always keep area clean.
2	Weekly	Gate	Gate for corrosion or damage.	To protect the structural integrity and provide engineered safety protection.	Touch up finishes, or refinish as necessary.
			Welds	Welds are intact without visible cracks or crazing.	Repair or Replace component immediately.
			Gate alignment and free movement.	Gate must move freely without any interference; levelness from ground/ walking surface.	Adjust gate as necessary.
3	Weekly	Posts	Post assemblies for corrosion or damage.	To protect the structural integrity and provide engineered safety protection.	Touch up finishes, or refinish as necessary.
			Welds	Welds are intact without visible cracks or crazing.	Repair or Replace component immediately.
4	Monthly	Structural Attachment	All Fasteners (Structural Attachment)	Fasteners must be present and be Snug Tight; connections pulled into firm contact by the fastener, no gaps between material.	Tighten fasteners to snug tight. Replace any missing fasteners.
5	Monthly	Labels	All labels	Manufacturer's labels in place and legible.	Replace. Contact manufacturer for FREE replacement labels.
6	After Installation	Installation Integrity	Structural integrity of gate and mounting structure.	Ensure product meets applicable safety codes and loading requirements.	Ensure all installation steps were followed completely.

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 product (the "Product") that, for a period of one (1) year 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. 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. Register online at: www.psindustries.com/contact/register-your-product

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. Register online at: www.psindustries.com/contact/register-your-product/ Additional Warranty Registration Forms can be downloaded at 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.
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, as long as the modification is accomplished in strict accordance with PS Industries' instructions, does not void warranty. To request product modifications contact PS Industries, 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 before the expiration of the above stated Limited Warranty period together with proof of purchase. Contact PS Industries 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 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 reserves the right to charge reasonable amounts for travel and labor associated with investigation of claims. PS Industries may also require photographs of the alleged Product defect or return of the Product or part to a designated PS Industries location, freight prepaid. A return goods authorization must be received prior to the return of the Product or part. Please contact PS Industries 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 determines to be covered by this Limited Warranty, PS Industries will replace or repair, at PS Industries' 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 on its Product. No warranties or representations at any time made by any representative from PS Industries 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' liability to Owner or any other person or entity exceed the price paid to PS Industries for the defective Product. IN NO EVENT SHALL PS INDUSTRIES 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.

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1150 South 48th Street | Grand Forks, ND 58201

Product Registration:
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