STANDARDS FOR FLOODPROOFING EXISTING BURGER KING STRUCTURE

COMPREHENSIVE FLOOD EMERGENCY OPERATIONS
and
INSPECTION/ MAINTENANCE PLAN

Store No. 29760
1829 old Spanish trail
Slidell, la 70458

STANDARDS FOR FLOODPROOFING
EXISTING BURGER KING STRUCTURE
NO. 29760
1829 OLD SPANISH TRAIL
SLIDELL, LA 70458

COMPREHENSIVE FLOOD EMERGENCY OPERATIONS
and
INSPECTION/ MAINTENANCE PLAN

FLOOD EMERGENCY OPERATIONS PLAN:

1. **Responsible personnel:**
   a. GPS Hospitality District Manager: Per confirmation with GPS Hospitality Director of Operations (Corporate Office), local District Manager shall notify Store Manager and Assistant Store Managers and give direct orders to implement flood emergency operational plan per direct discussion with GPS Hospitality Corporate Office Director of Operations. GPS Hospitality District Manager shall be aware of location and installation procedures for floor barriers at all exterior doors and shall ensure all Managers are trained in all aspects of floodproofing this structure upon hiring.
   b. GPS Hospitality Store Manager or Assistant Store Manager on Duty at time of implementation: Upon instruction to implement dry floodproofing, the Store Manager (all managers to be trained on installation procedures of dry floodproofing components) along with one or two other employees shall obtain/ install floodproofing components within twelve (12) hours or less once notified.

2. **When floodproofing system to be installed:**
   Two (2) to three (3) days prior to impact of any storm system that will develop flooding or high winds that could impact installation this area or prior to local city authorities authorizing specific evacuation procedures that may extend out further than 2 to 3 day anticipated storm impact. Specific instruction to come from GPS Hospitality District Manager.

3. **Floodproofing systems components/ storage location/ tools required/ training for floodproofing this structure:**
   a. "EzDam" flood barriers to be installed at all doors as manufactured by PS Industries. Jambs for drop-in flood barriers already permanently installed/ anchored to structure.
   b. A total of six (6) flood barriers used for this structure to be located at all exterior doors. All are stored on site within the trash enclosure storage area (secured/ locked) with each manager and assistant manager aware of storage location and keys located in office to access secured storage area for access to flood barriers.
   c. No special tools required. Each barrier is lifted into place, latched and tightened by hand to ensure integral gasket makes seal.
   d. As a precaution, the flood barrier installation instructions, including manufacturer contact information shall be secured/ filed with the manager's office.

e. Once a year and prior to hurricane season (beyond the initial training once structure is open for business), the District Manager, Store Managers and Assistant Store Manager's and shall meet at site to ensure all aware of implementation procedures and installation instructions to ensure all aware of flood emergency operational procedures.

4. **Evacuation Plan for Personnel:**
   a. All employees, including managers shall be evacuated from structure accordingly per local/ state authority directives and GPS Hospitality District Manager if additional early leave is required by employees.
   b. The Store Manager/ Assistant Store Manager on Duty day of implementing floodproofing requirements/ closing of structure shall be the last employee/ employees of GPS Hospitality to leave the structure/ site prior to specified storm event.

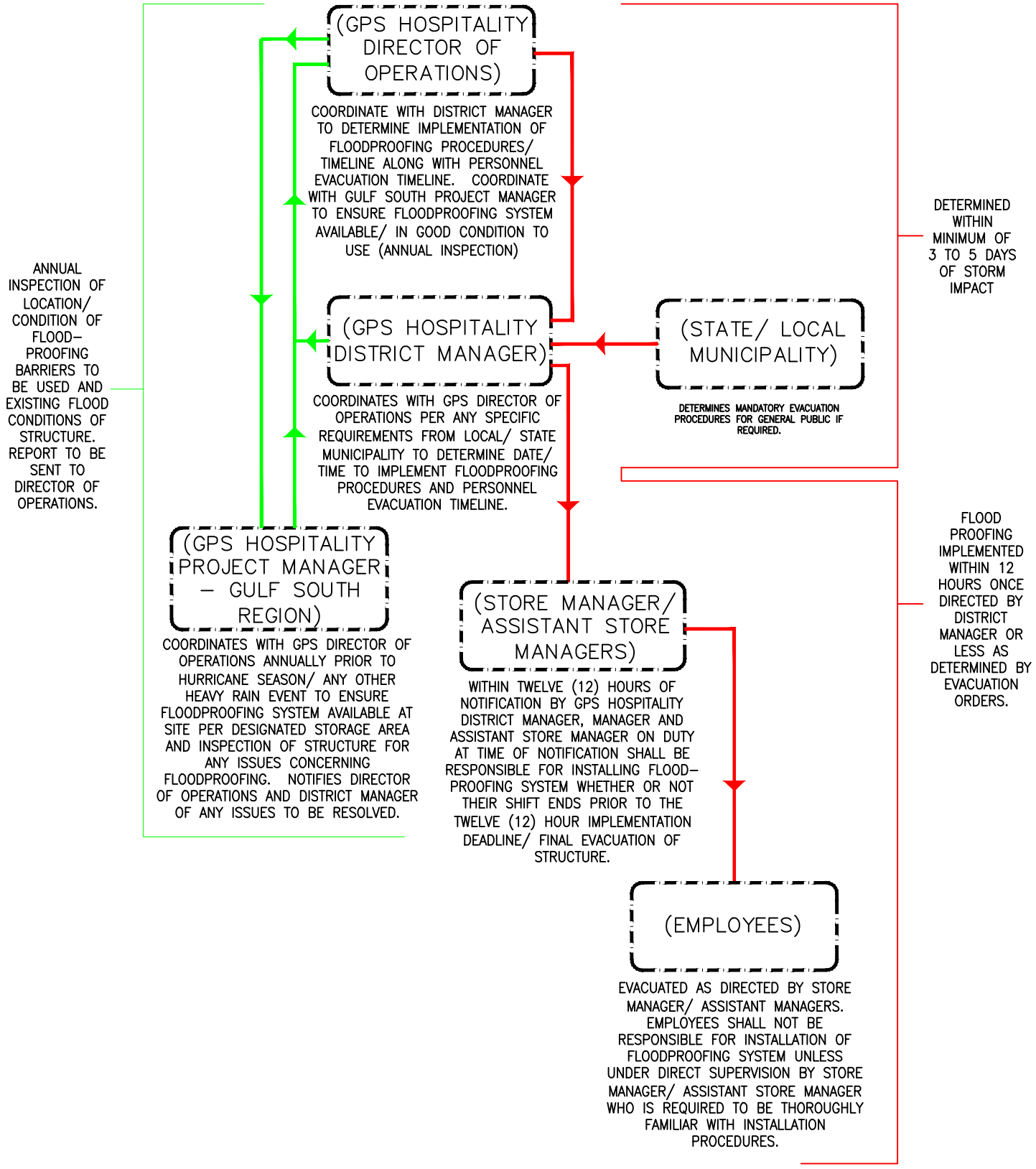
NOTE: FOR SEQUENCE OF EVENTS FOR REQUIREMENTS OF DRYFLOODING PROOFING, REFERENCE ATTACHMENT "A" (PAGE 3 OF 3 OF THIS COMPREHENSIVE OUTLINE).

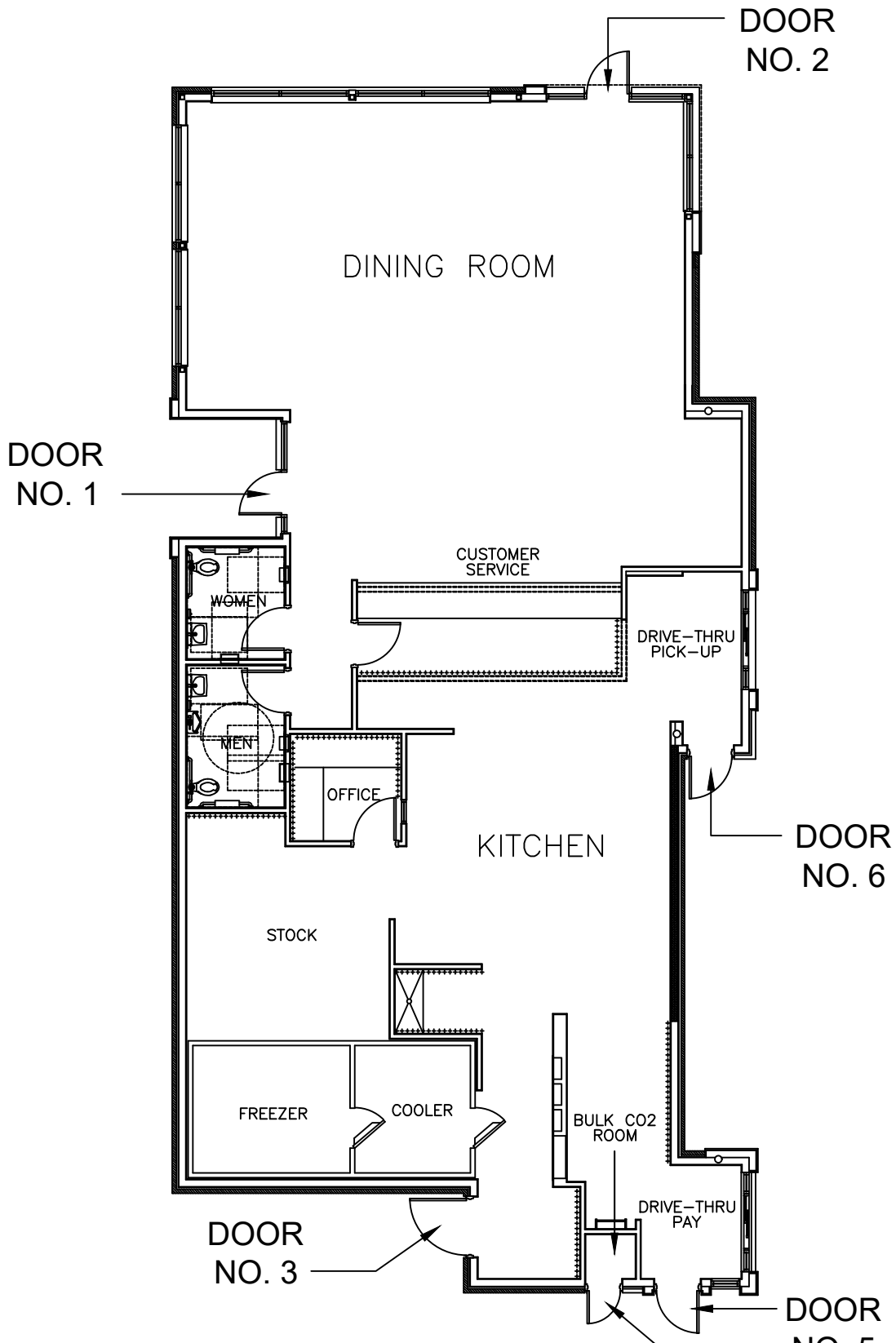
INSPECTION AND MAINTENANCE PLAN:

1. Prior to hurricane season (June 1st of every year) or any other storm event forecast that predicts a heavy rain event prior to or after hurricane season, a yearly inspection shall be carried out by GPS Hospitality's Project Manager for Construction in the Gulf South Region to inspect existing conditions (interior and exterior). Deficiencies to look for shall include the following:
   a. Cracks in any interior/ exterior substrates or wall finish materials that are clearly visible from 3'-1 ½" above finish floor or below.
   b. Interior or exterior water staining or build-up of mold caused by water accumulation from 3'-1 ½" above finish floor or below.
   c. Any penetrations areas that appear to have damage to sealing at penetrations, etc. from 3'-1 ½" above finish floor or below.
   d. Any cracking in exposed slab/ edge of exterior foundation and/or finish floor surfaces throughout interior of structure.

2. In addition, GPS Hospitality's District Manager and Project Manager for the Gulf South Region shall inspect actual location and actual conditions of flood barriers (total of 3) to ensure sealing mechanisms on panel are in good condition and that all panels are accounted for (stored in designated location that all managers are aware of), including installation instructions/ manufacturer contact information to be stored on site.

FLOWCHART RESPONSIBILITY/ TIMELINE DIAGRAM FOR FLOODPROOFING/ INSPECTION OF EXISTING BURGER KING NO. 29760 STRUCTURE





BURGER KING

1829 OLD SPANISH TRAIL
SLIDELL, LOUISIANA 70458

Floodproofing Images with Timestamps

Main Side Entry / Rear Elevation April 8/2024

NOTE: Prosco R-Guard fluid applied Dry waterproofing (grey color on exterior sheathing) only required to be applied on exterior wall up to 3' – 1 ½" A.F.F.

Main Entry / Side Elevation April 8/2024

NOTE: Prosco R-Guard fluid applied Dry waterproofing (grey color on exterior sheathing) only required to be applied on exterior wall up to 3' – 1 ½" A.F.F.

Drive thru Elevation at Front Corner April 15/2024

NOTE: Prosco R-Guard fluid applied Dry waterproofing (grey color on exterior sheathing) only required to be applied on exterior wall up to 3' – 1 ½" A.F.F.

Drive thru Elevation at Drive Throough Window April 15/2024

NOTE: Prosco R-Guard fluid applied Dry waterproofing (grey color on exterior sheathing) only required to be applied on exterior wall up to 3’ – 1 ½” A.F.F.

Doors With and Without Flood Barriers

Door 1 Side Main Entry without Flood Barrier August 09/2024

Door 1 Side Main Entry with Flood Barrier August 09/2024

Door 2 Front Entry without Flood Barrier August 09/2024

Door 2 Front Entry with Flood Barrier August 09/2024

Door 3 Rear Service without Flood Barrier August 09/2024

Door 3 Rear Service with Flood Barrier August 09/2024

Door 4 Bulk CO2 Room Rear Elevation without Flood Barrier August 09/2024

Door 4 Bulk CO2 Room Rear Elevation with Flood Barrier August 09/2024

Door 5 Drive Thru Pay Rear Elevation without Flood Barrier August 09/2024

Door 5 Drive Thru Pay Rear Elevation with Flood Barrier August 09/2024

Door 6 Drive Thru Side Elevation without Flood Barrier August 09/2024

Door 6 Drive Thru Side Elevation with Flood Barrier August 09/2024

PS Flood Barriers™
Solutions That Hold Water

EzDam®
FLOOD BARRIERS

Simple Installation

Corrosion Resistant

EZDAM® FLOOD BARRIER

FLOOD PROTECTION THAT GOES UP FAST

When flooding happens, the ability to act quickly is critical. The EzDam® from PS Flood Barriers™ is an easy, lift-out option for flood protection that deploys in just 30 seconds! The perfect alternative to heavy and messy sandbags, EzDam provides you with reliable flood protection and stores conveniently away from your opening when flooding conditions are not present. It can be used for commercial buildings as well as in some residential applications.

QUICK AND EASY DEPLOYMENT

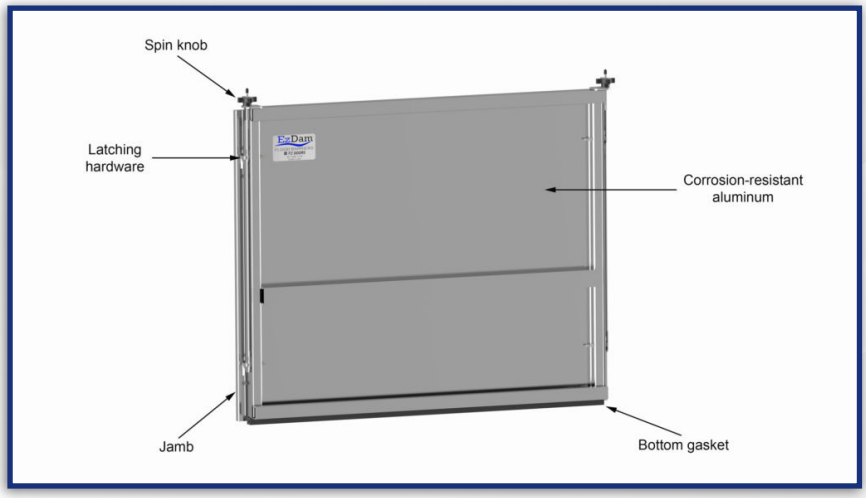
- Simply latch the barrier to the jambs in front of your opening
- Deploys in under a minute
- Installation only requires one person
- At a weight of only 28 pounds, it can be lifted easily
- Compression seal requires no compressed air for activation

CONVENIENT STOCK SIZES AND CUSTOMIZATION

- In-stock models include 42" wide and 52" wide with a flood-protection height of 36"
- Models with flood-protection heights of 48" are also available using different jambs
- Can be made to fit any size door or opening

CORROSION-RESISTANT CONSTRUCTION

- Made entirely of aluminum, it is built to last



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PS Flood Barriers™
Solutions That Hold Water

EzDam®
FLOOD BARRIERS

STANDARD TECHNICAL DATA

MATERIAL:

- EzDam panel to be fabricated from formed aluminum sheets and aluminum tubing, factory-welded construction
- Gaskets to be compressible EPDM rubber type, field replaceable
- Frame members to be fabricated from formed members
  - Aluminum of appropriate size and strength with welded or mechanical-fastened construction
- Aluminum products to be mill finish; exposed, interfering welds are ground, not filled or polished
  - Exposed welds are factory acid washed, neutralized and rinsed

HARDWARE:

- Frame Mounting Hardware: Anchors and sealants provided as necessary
- Operating Hardware: All necessary sealants and hardware are included for installation, latching and retaining flood barrier as designed

FLEXIBLE SIZING:

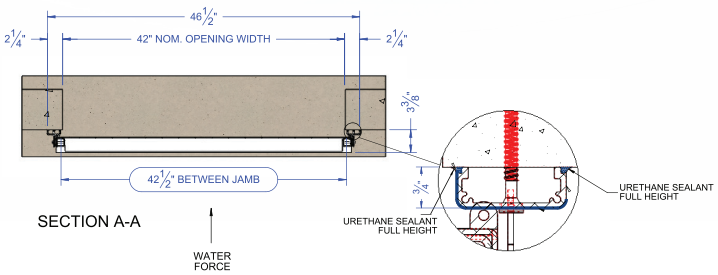
- 36" and 48" in stock
- 24" and other custom sizes available upon request

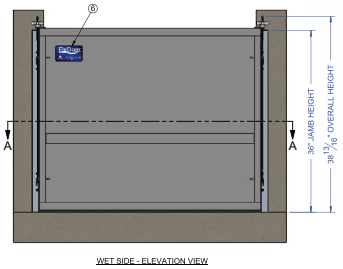
INSTALLATION:

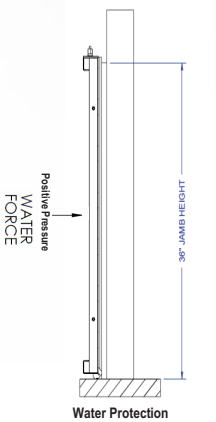
- Install in accordance with manufacturer's installation instructions; approved shop drawings; shipping, handling and storage instructions; and product carton instructions for installation
- Frames/jambs shall be installed level, square, plumb and rigid
- Urethane sealant (sold separately) to be applied per product application directions and in accordance with manufacturer's instructions. Commercial quality sealant can purchase from PS Industries by ordering part #509809 or from select retailers, please refer to the O&M for more information.
- Tolerances: All dimensional requirements must be in accordance with manufacturer's installation instructions and shop drawings

FIELD TESTING:

- Perform visual dry test for gasket alignment, continuity contact and pre-compression
- Construct temporary water barrier and test installed flood plank







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Rev120820

CAPABILITIES STATEMENT

PS Flood Barriers™
Solutions That Hold Water

COMPANY DATA

PS Flood Barriers™ is a division of PS Industries® Incorporated, an industry-leading manufacturer of flood protection products, industrial doors (PS Access Solutions™) and safety/fall protection products (PS Safety Access™) for more than 40 years. With custom fabrication capabilities, we serve a wide variety of industries, including the military, energy, agriculture, food processing, and all types of manufacturing.

PS Flood Barriers' foundation is built on innovative design, solid engineering and high-quality manufacturing. In 1997, we learned about the incredible power of water firsthand during the Red River's disastrous flood in our hometown of Grand Forks, ND. We put those lessons to good use, and today we have a host of flood barrier products to protect facilities, critical infrastructure and assets from devastating flooding.

CORE COMPETENCIES

MANUFACTURING

PS Industries is an Original Equipment Manufacturer (OEM) with more than 200,000 square feet of manufacturing space. The company is capable of performing a wide variety of operations in-house, including:

- 6K Fiber optic laser cutting
- 4K Fiber optic tube laser
- Waterjet cutting
- Industrial metal cutting saw
- CNC punch press
- Precision drilling
- Tube bending
- CNC sheet metal processing
  - *Shears*
  - *Press brakes*
  - *Folding machine*
- AWS-certified welders
- Robotic welding
- Industrial liquid paint application
- Powder coating (large capacity 7.5 ft. width x 6 ft. height x 30 ft. length)
- Assembly, packaging and shipping

All products are designed and manufactured under one roof in our facility in Grand Forks, North Dakota, USA.

DESIGN/ENGINEERING

State-of-the-art design/engineering resources and in-house design/engineering staff allow products to be created from concept through completion. These resources include:

- Experienced engineers
- Dedicated and experienced design staff
- Finite Element Analysis (FEA)
- 3D CAD modeling
- In-house fixture design and fabrication
- Extensive testing capabilities
- Dedicated team for research and development of new products

PAST PERFORMANCE

- Langley AFB, Newport News, VA
- National Archives, Washington, DC
- Department of Homeland Security, Mobile, AL
- United Nations, New York, NY
- Con Edison, New York, NY
- Port Authority of New York & New Jersey, New York, NY
- New York City Housing, New York, NY
- Baylor College of Medicine, Houston, TX
- Bechtel Headquarters, Houston, TX
- Bristol-Myers Squib, Pennington, NJ
- New York School Construction Authority, New York, NY

DIFFERENTIATORS

- Custom-engineered solutions
- Concept through completion
- Industry-proven performance

CONNECTIONS

- We are registered with SAM.gov
- We are set up with FedBizOpps.gov
- Our CAGE Code is 43360
- Our DUNS number is 078633861
- Our UEI (Unique Entity ID) is Q4V7GF9NUXX5
- NAICS codes
  - *332321 Metal Window and Door Manufacturing*
  - *332312 Fabricated Structural Metal Manufacturing*
  - *332323 Ornamental and Architectural Metal Work Manufacturing*

CERTIFICATIONS

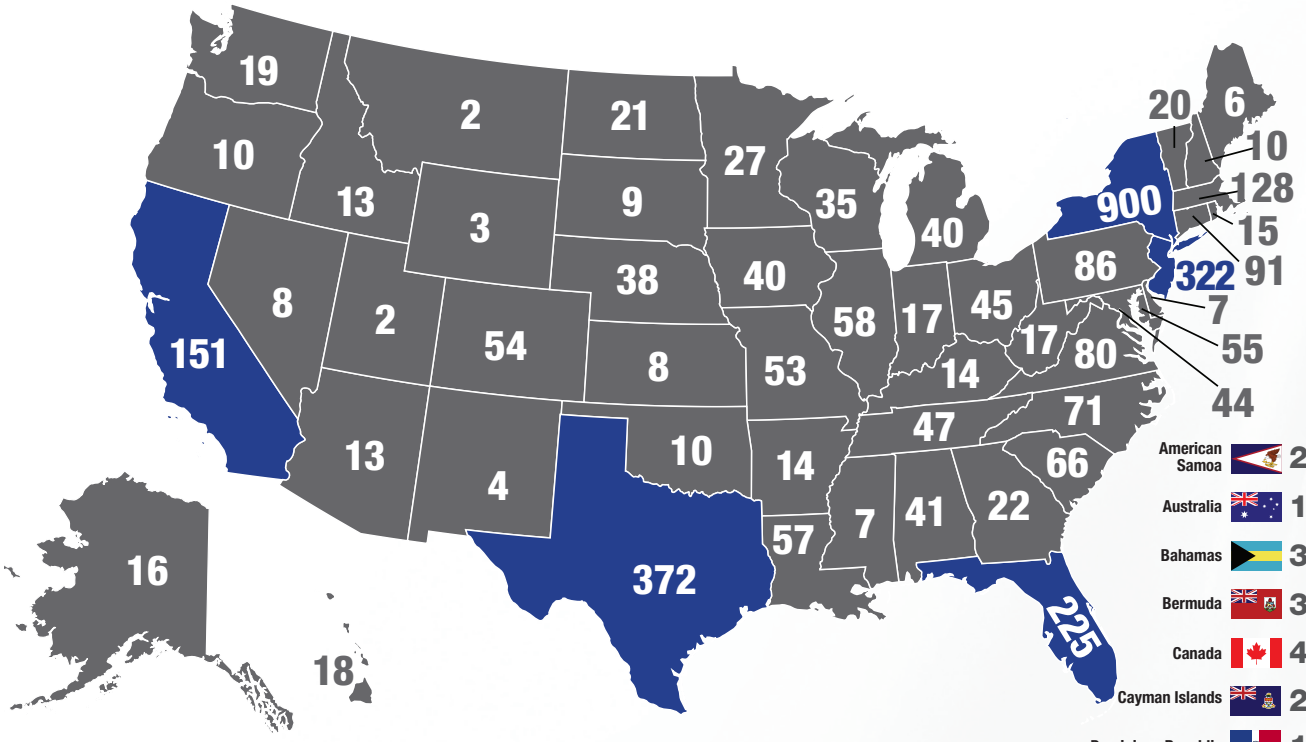
- ISO 9001:2015 (Certified Quality Management System)
- National Flood Barrier Testing & Certification Program – Platinum Level
- FM/ANSI 2510 Approved on five products
- UL10C NFPA 252 for Fire Rated Flood Doors
- Certified Welders (mild steel, stainless steels, aluminum)

701.746.4519 | 877.446.1519 | www.psfloodbarriers.com | www.psindustries.com | 4psinfo@psindustries.com
1150 South 48th Street | Grand Forks, ND 58201

PS Flood Barriers™
Solutions That Hold Water

PS FLOOD BARRIERS™ SUCCESS STORIES

PS Flood Barriers™ has been a part of more than 3,547 projects (protecting more than 43,055 openings), helping companies and organizations do business with confidence.



American Samoa	2	El Salvador	4
Australia	13	Fiji	1
Bahamas	3	Guatemala	4
Bermuda	3	Honduras	8
Canada	44	Israel	1
Cayman Islands	2	Jamaica	1
Dominican Republic	1	Mexico	11
		Oman	1
		Puerto Rico	2
		Singapore	5
		South Africa	1
		Trinidad & Tobago	1
		United Kingdom	5
		U.S. Virgin Islands	4

Applebee's
Arby's
Arizona Diamondbacks Stadium
AT&T
Baltimore Gas
Bank of America
Baylor College of Medicine
Bechtel Headquarters, Houston, Texas
Bloomingdale's
Bristol-Myers Squibb
Capital One
Children's of Alabama
Circle K
Colorado State University
ComEd, Exelon, Chicago, Illinois
Commerce Bank
Con Edison, New York, New York
CVS
Department of Homeland Security
Disney World
Duke Energy
Dunkin' Donuts
Facebook
Family Dollar
Federal Reserve
FedEx
Florida Marlins Stadium
Florida Power & Light
General Mills
Google
Herberger's
Hyatt Hotels
Javits Center
JFK Airport
John F. Kennedy Center for the Performing Arts
Johnson & Johnson
KFC
Laguardia Airport
Langley AFB, Newport News, Virginia
Marriott Hotels
McDonald's
Miami Dolphins Stadium
MillerCoors
NASA
National Archives
Nestle Purina
New York City Housing Authority
New York School Construction Authority
North Dakota State University
Novartis Pharmaceutical
Philadelphia Airport
Planet Fitness
Port Authority of New York & New Jersey
Port of San Antonio
Revel Casino
Ritz-Carlton
Sherwin-Williams
Starbucks
Taco Bell
Tampa Ray's
TD Bank
Texas A&M
Town & Country
Under Armour
United Nations, New York, New York
United States Coast Guard, Woods Hole, Massachusetts
University of Colorado
University of Nebraska-Lincoln
US Embassy
USTA Tennis
Verizon Wireless
Vertex Pharmaceuticals
Washington DC Transit (WMATA)
WAWA
Wells Fargo
Wisconsin (state of)
World Trade Center
Xcel Energy, Monticello, Minnesota
YMCA

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1150 South 48th Street | Grand Forks, ND 58201

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PS INDUSTRIES INCORPORATED

MADE IN USA

PS INDUSTRIES INCORPORATED
1150 South 48th Street
Grand Forks, ND 58201
877.446.1519 • www.psindustries.com

SECTION 083900

PRESSURE-RESISTANT DOORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. **[Single] [and] [Multi-span, with mullions,]** EzDam® Flood Barrier with jambs, panel, and latching hardware.

B. Related Sections:

1. Division 03 – Cast-In-Place Concrete.
2. Division 04 – Concrete Unit Masonry
3. Division 05 – Structural Steel Framing.

1.2 SUBMITTALS

A. Manufacturer's data sheets on each product to be used, including:

1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation instructions.

B. Shop Drawings: Provide shop drawings showing layout, profiles, and product components, including anchorage, hardware, and finishes. Include dimensional plans, applicable material specifications, elevations and sections detailing mounting and connections, and load diagrams.

1. Contractor to provide manufacturer with field measurements and mounting structure prior to commencement of shop drawings.

C. Calculations: Upon signed finalization and approval of dimensions, mounting location material and configuration, and load requirements;

1. Engineering calculations are not required for this barrier.

1.3 CLOSEOUT SUBMITTALS

A. Provide Operation and Maintenance data to include methods for maintaining installed products, precautions against cleaning materials and methods detrimental to finishes and performance.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer must demonstrate a minimum of five (5) years successful experience in design and manufacture of similar flood related closures. Upon request, provide supporting evidence including list of installations, descriptions, name, and method of contact.

B. Minimum Qualifications: Manufacturer must demonstrate compliance and certification of a Quality Management System administered by the International Organization for Standardization (ISO). Documentation of current certification status to be provided upon request.

C. Welder Qualifications: Welders Certified in accordance with American Welding Society Procedures for applicable material used in production of specified product.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging container with identification markings intact until ready for installation.

B. Protect materials from exposure to moisture during storage.

C. Store materials in a dry, warm, ventilated weathertight location. If outdoor storage is required, block materials to store at an incline, to prevent pooling of any moisture and promote runoff. Tarp materials in a tent-like arrangement, elevated above the product with open sides to allow airflow. Store loose or high value components in a dry, controlled environment.

D. Use caution when unloading and handling product to avoid bending, denting, crushing, or other damage to the product.

E. When using forklifts, use forks of proper length to fully support product being moved. Consult "Approved for Construction" drawings or consult with factory for proper lift points.

1.6 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's indicated limits.

1.7 COORDINATION

A. Conduct site survey and provide to flood barrier manufacturer, prior to manufacturer's commencement of shop drawings, the actual site conditions of the mounting location, to include; material type, dimensions and configuration, interferences with mounting surface, or any other condition that may impact the ability of the flood door to be properly installed.

B. Coordinate work with other operations and installation of adjacent materials to avoid damage.

1.8 WARRANTY

A. Manufacturer's Standard Warranty: Product to be free from defects in material and workmanship for a period of one (1) year from date of shipment.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Design flood resistance barriers to support, solely or in combinations of, temporary super-imposed live loads as indicated below. All applied types of flood related loadings are transferred from the flood product barriers, jamb anchorage and direct pressure contact to structural walls or other structural elements.

1. Hydrostatic Loading

B. Engineer Code Practices: Engineer flood products to conform to the design requirements that are based on the latest adopted edition of the International Building Code (IBC). LFRD and/or ASD methodologies are applied as appropriate to align with specific project specifications and/or limited published material data.

C. Water Density: 64 pcf, unless otherwise noted on drawings.

2.2 FLOOD BARRIER WITH JAMBS

A. Description: EzDam® Flood Barrier including panel, jambs, and latching hardware.

1. Approved Manufacturer: PS Flood Barriers™, which is located at: 1150 S. 48th Street, Grand Forks, ND 58201; Toll Free Tel: 877.446.1519; Email: 4psinfo@psindustries.com; Web: www.psfloodbarriers.com or www.psindustries.com

a. Basis of Design Product: Model: EZD-600.

B. Substitutions: Not permitted.

C. Single Source Responsibilities: Obtain all watertight flood protection barriers from single manufacturer.

2.3 EQUIPMENT

A. Products Details:

1. Sealing Requirements: Flood Barrier and compression gasket design shall provide an effective barrier against short-term high-water situations, to the protection level indicated on drawings.
2. Operation: Manually deployed, latching operable from both sides (typical).
3. Mounting/Load Transfer: Anchor to existing structure. Flood Barrier designed for specified hydrostatic pressure and will transfer loads to adjacent structure.
4. Frames to be anchored utilizing mechanical anchor types, as designed. Manufacturer to include all anchors, as designed.
5. Loading Direction:

    a. Positive Pressure Loading, (direction of loading against flood barrier so as to further compress gaskets against flood barrier frame - "seating").
6. Provide continuous, compression gasket which does not require air inflation.

2.4 MATERIALS

A. Exposed sheet metal of barrier panel to be formed of the following material type;

1. Aluminum: 6063 alloy conforming to ASTM B 209.

B. Flood panel structure to be structural tubes of the following material type;

1. Aluminum: 6063 alloy conforming to ASTM B 209.

C. Gaskets: Factory mounted, continuous, compressible rubber type, field replaceable. Gasket does not require air inflation.

1. Material: UV resistant EPDM, neoprene and rubber unless otherwise noted.

D. Jamb Members to be of PS Industries Incorporated's design, members as indicated on drawings, for field installation on existing structure. Frame members

E. Frame Mounting Hard ware: Provide anchors, as designed.

F. Operating Hardware: Provide latching hardware to be as indicated on drawings. Flood barrier panel to be factory prepared for applicable latching devices.

G. Finish:

1. Aluminum products to be mill finish, exposed, interfering welds are ground, not filled or polished. Exposed welds are factory acid washed, neutralized, and rinsed.

H. Labeling: Each watertight panel will be individually identified for matched installation.

2.5 FABRICATION

A. Fit and factory assemble items in largest practical sections, for shipment to site.

B. Fabricate items with joints tightly fitted and secured.

C. Supply components required for anchorage of fabrications, unless otherwise noted.

D. Conduct shop operational test with factory installed gaskets to verify flood panel assembly components operate as designed and flood protective gasket alignment and contact surfaces interact as intended.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Do not begin installation until mounting substrates have been properly prepared.

B. If substrate preparation is the responsibility of another subcontractor, notify Architect of uncompleted preparation before proceeding.

C. Inspect opening for compliance with door manufacturer requirements. Verify open conditions are within required tolerances.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's installation instructions, "Approved for Construction" drawings, shipping, handling, and storage instructions, and product carton instructions for installation.

B. Frames must be installed level, square, plumb, and rigid.

C. Perform chalk test for gasket alignment, continuity contact and pre-compression prior to field grouting.

D. Sealants, water-stop, and grouting to be applied per product application directions and in accordance with manufacturer's instructions, and "Approved for Construction" drawings.

E. Field Grouting to be completed by appropriate personnel, and in accordance with product application directions, manufacturer's instructions, and "Approved for Construction" drawings.

F. Tolerances: All dimensional requirements must be in accordance with manufacturer's installation instructions and "Approved for Construction" drawings.

G. Products to be operated and field verified that sealing surfaces maintain contact at the correct sealing points.

H. Inspect gaskets for damage, wear, and adhesion. Replace compromised gaskets immediately.

I. Verify that latching assemblies operate freely and correctly.

J. Verify all anchorage is in accordance with manufacture's installation instructions and applicable data sheets.

K. Inspect installation sealants to ensure a watertight juncture.

3.4 FIELD QUALITY CONTROL

As Required by Engineer

3.5 CLEANING

A. Touch-up, repair or replace damaged products or components before Substantial Completion.

B. Clean all sealing surfaces.

3.6 PROTECTION

A. Protect installed products until completion of project.

END OF SECTION