

Floodproofing Commercial Buildings With Resilient Mitigation Devices

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Floodproofing Commercial Buildings For Resiliency

Businesses operating in flood-prone areas are at risk of structural damage, suspended downtime, and financial losses resulting from storm events. According to research by First Street Foundation, approximately 729,999 retail, office, and multi-unit residential properties are at risk of annualized flood damage in the United States. This amounts to total structural damage risk of over \$13.5 billion annually. Additionally, local economic impacts exceed \$26 billion in direct lost output - with another \$23 billion in indirect costs from incurred downtime.

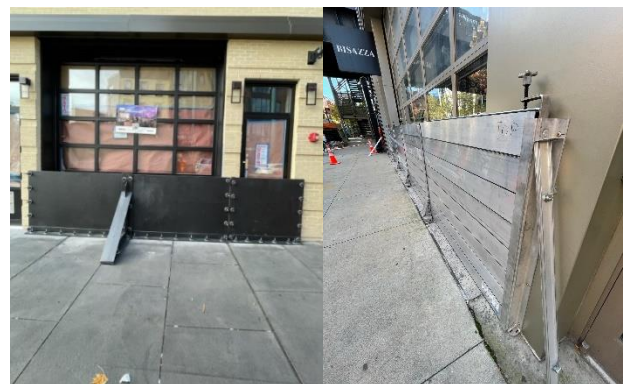


Corporate Business Headquarters

Corporate headquarters and offices suffer damage from coastal floods, heavy rainfall, storm surges, and sewer overflows. Durable, engineered flood barriers protect corporate infrastructure, workspaces, and employees. These devices support dependable flood protection while sustaining facility accessibility - so corporations can rapidly resume operations following a storm. Flood mitigation devices protect office elevator cores, basement utility areas, loading docks, and entrance doorways. These resilient barriers enable unrestricted vehicle and pedestrian access at major corporate facilities.

Retail Stores And Shopping Malls

Shopping centers, retail shops, plazas, and malls must protect multiple points of access from stormwater penetration. Retail entrances, multi-story parking garages, drainage grids, and basement storage spaces risk severe flood damage during storms. Storefronts, electrical and commercial HVAC systems require resilient protection. Hazard mitigation strategies facilitate water containment, diversion, and mitigation for retail locations.



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Passive Flood Mitigation

Passive flood control technologies operate automatically during a major flood or natural disaster to prevent water damage to a facility. These automatic devices don't require any human involvement or manpower to protect your facility's structures. Some of the most popular options include passive gates, entry doors, or glass walls. Passive flood devices are the optimal choice of flood water defense 24/7 - without human involvement. No dependence on power, people, or manual intervention, improves a property's resilience from even the most severe storms. These automatic devices protect hundreds of schools, commercial buildings, multi-family residences, and critical infrastructure assets from devastating natural disasters.

Passive Flood Device Options

- Flood Doors
- Flood Glass
- Concealed Automatic Gates



Point-Of-Use Flood Mitigation

These dependable, simple solutions are strategically designed for rapid manual deployment. This unique configuration uses minimal storage space and promotes superior visual aesthetics. Point-of-Use storage can be out-of-sight, custom-designed to fit any opening, and camouflaged. Point-of-use flood devices serve as impact-resistant barriers during severe weather events. Watertight seals and prefabricated anchors support rapid deployment. Facilities can deploy these devices later, resulting in minimized operational downtime and disruption. This allows organizations to reduce losses and unsatisfied clients.

Point-Of-Use Device Options

- Vertical/Side Deploy
- Swing Gates
- Sliding Doors

Active Flood Mitigation

These dry floodproofing devices keep surging stormwater out - minimizing economic impact and harm to critical infrastructure. This helps to keep communities safe and promotes social well-being. These manual barriers are reliable, effective flood defense. Active devices can be manually deployed for emergency flood protection across building openings. Their high-strength design also defends against strong winds and debris impacts. With rapid and easy deployment, facilities can secure their sites quickly.

Active Flood Device Options

- Flood Planks
- Flood Panels
- Flood Shields

