

### Kova Properties Shields Naples 5th Avenue with Garrison's Hammerhead™ Aluminum Flood Plank System



## HAMMERHEAD ALUMINUM FLOOD PLANKS

### Introduction:

Kova Properties, a key player in Florida's real estate arena, manages an impressive 4,000,000 square feet of property. When Hurricane Ian swept Naples with a surge that flooded the iconic Fifth Ave. South a lot of businesses sustained costly flood damage. Determined to safeguard their properties from future calamities, Kova Properties collaborated with Garrison Systems to provide a customized flood plan for their vulnerable 5th Avenue buildings. This case study explores the decision, deployment, and results of this strategic move.

### Kova Properties and Fifth Ave. South

As a significant player in Florida's property management landscape, Kova Properties' expansive portfolio boasts several gems, and properties on Naples' Fifth Ave. The avenue, synonymous with Florida's upscale lifestyle, is an eclectic blend of gourmet restaurants, art galleries, offices buildings and luxury retail – the very essence of Florida's Gulf Coast charm.

### Challenge:

Hurricane Ian's arrival on Sept. 28, 2022, wreaked havoc, sending up to four feet of water cascading down Fifth Ave. South. The damages posed operational challenges and financial setbacks for many businesses and property owners. Kova, with a responsibility towards its stakeholders and tenants, sought a robust flood mitigation system.

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### Solution:

Following a meticulous review of various offerings, Kova's decision-makers placed their trust in Garrison System's Hammerhead™ flood log system, which offered superior protection, easy deployment, quick turnaround and pricing that fell within the building owner's budget. Garrison's team custom fabricated 24 flood barriers of various sizes and installed all 24 flood barriers within a mere 3 days, ensuring minimal disruption to the tenants, including several restaurants and cafes. For longer spans, in-ground anchor plates were installed, allowing for the placement of removable center posts and kickers that could be deployed only as needed in the event of an expected flood. Breezeways, utility doors, office building entrances and retail storefronts were all secured using the Hammerhead™ system, providing full perimeter protection to Kova's various properties.

### Garrison's Hammerhead™ Aluminum Flood Plank System

When it comes to flood protection, Garrison's Hammerhead™ system stands out:

**Customization:** Each barrier is tailored to fit specific openings, ensuring utmost protection. Sections are custom fabricated, allowing for unique customization and flexibility in design.

**Durability:** Crafted with high-quality 6063 aluminum the planks fend off floodwaters and debris and have a high resistance to the hydrostatic pressures and debris associated with rising flood waters. All components are non-corrosive and can hold up to marine environments.

**Mechanism:** U-Channel Posts are mounted to either side of an opening and are sealed against the opening using a neoprene seal between the post and the wall. When a flood is expected, flood planks are slid in and stainless steel tensioning bolts are tightened, shifting an internal locking plate that pressures the flood logs against the adjacent seal.

**Reliability:** The system has been rigorously tested using sophisticated FEA (Finite Element Analysis) testing, and meets FEMA's dry floodproofing and other accepted building standards.

**Deployability:** Hammerhead™ flood logs can be deployed quickly in the event of a flood, allowing for rapid reaction to unfolding events, yet permitting businesses to remain open longer in advance of a flood. When not in use flood logs are stored stacked compactly for future use.

**Aesthetically Attractive:** The Garrison Hammerhead™ system is sleek, finished and unobtrusive. It is ideal for high end buildings and residences, where protection is required but the aesthetics of the building are important.



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## Results:

Post-installation, the properties managed by Kova stand fortified against the likes of Hurricane Ian. The tangible protection provided by the Hammerhead™ system translates into an invaluable peace of mind for Kova, its tenants, and prospective clients. The potential for millions of dollars to be saved in property damage further emphasizes the project's success.

## Conclusion:

Kova Properties' proactive response to the devastation caused by Hurricane Ian embodies the fusion of foresight, innovation, and action. By partnering with Garrison Systems and deploying the Hammerhead™ flood barrier system, Kova has not only protected its physical assets but also solidified its reputation as a responsible and forward-thinking property manager. This initiative sets a benchmark for property management firms, emphasizing the essence of preparedness in the ever-evolving climate scenario.



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