



MARINA TECHNOLOGIES

MARINA TECHNOLOGIES REBUILDS MEGAYACHT MARINA AT BLUE HAVEN RESORT IN TURKS & CAICOS



Marina Technologies has replaced the failed docks at Blue Haven Resort on Providenciales Island in the Turks & Caicos with their System D-260 aluminum floating docks.

Blue Haven Resort & Marina is a first-class All-Inclusive Resort located on Leeward Channel in Providenciales, Turks & Caicos. The Marina was built in 2013 using waler-style concrete floating docks. But Hurricane Irma in 2017 destroyed the marina. “Normally, the marina gets about 4 knots’ worth of current, but we estimate that with the hurricane, it got about 15 to 20 knots’ worth of current. The water ran in with so much power that it snapped the wood that holds the marina together. It snapped concrete floats and sections of the dock. The movement from the sheer volume of water and wind cracked nearly every float on the dock. Whatever didn’t blow away was damaged by wind and water” reported Adam Foster – The Marina Manager at that time.



Destroyed concrete docks after Hurricane Irma in 2017

Marina Technologies (MTI) was selected to build the new floating docks for the marina. The marina has 71 slips for mega-yachts up to 220 ft long, with a maximum draft of 8.5 ft. “Our System D-260 was used, which features our heavy-duty aluminum system with dual-track aluminum extrusions and thick-walled aluminum rectangular tubing for all beams and stringers. The docks have our proprietary grooved composite decking, large top-access utility troughs for faster and easier utility installation and maintenance, polyethylene floats, PVC fendering with full-length internal aluminum backing plates, adjustable cleats up to 22” (10-ton capacity) with our unique mounting system, dual flexible/silent rubber dock connections, and heavy-duty

aluminum pile guides”, reports Bob Berry – Marina Technologies project development manager. “Our heavy aluminum system is much stronger than the previous timber-waler concrete system, and coupled with the shallow-draft polyethylene floats, will be better able to withstand the next hurricane and raging tides”, says Berry.

The re-built marina offers in-slip hi-speed diesel fueling (100 GPM), using built-in hydrants and mobile fuel carts, eliminating the unsightly and bulky dispensers from the docks. There is also in-slip pump-out service, 100-amp single and 3-phase power, 480-volt/100A – 3-phase power, potable water, laundry services, waste collection, on-site provisioning, crew lounge, private showers, swimming pool, nearby beaches, and complimentary resort shuttle service.



Built-in fuel hydrants, under cover, for hi-speed diesel delivery – no pumps on docks



Large central utility trough makes installing and maintaining utilities fast and simple

Marina Technologies manufactured the docks in their facility in Montreal, CA. The completed 130 aluminum frames of average 40 ft long dock sections were shipped in containers to the Island. The installation is now complete, and the marina is open for local dockage and transient vessels.



71 slips for mega-yachts up to 220 ft long, anchored with steel pipe piles



Marina Technologies System D-260 aluminum-framed dock system designed for mega-yachts.

The other important key to this project was our ability to fit the new docks to the existing piles – which remained in place and largely un-damaged from the storm. The piles are 16” steel pipe with 18” diameter HDPE sleeves. This was a huge cost-saver compared to pulling and re-driving all the piles”, said Berry. “Our pile guides are adjustable to insure an accurate fit to each pile”.

Main and tee docks are 12’, 13’ and 15’ wide and finger piers are 6’, 8’ and 10’ wide. The docks are oriented, so the vessels face into the current – making docking much easier and safer.

“Words can’t properly describe the beauty of this facility, says Bob Berry. The water is gin-clear, the Resort is first-class, and the scuba diving and fishing here is world-renown. It is truly a boater’s paradise”.

