



Bay Head Yacht Club Project

BAY HEAD, N.J.

► The historic Bay Head Yacht Club building is located in Bay Head, N.J. on the Barnegat Bay. After experiencing Hurricane Sandy, where the lower level of the clubhouse was inundated with more than four feet of the Barnegat Bay, the owner's mission was to find a solution that would protect the historic structure from future harsh weather.

Madison Concrete was selected by general contractor L.F. Driscoll because of their creative and innovative suggestion to utilize a filigree-concrete system. The project involved constructing a new, elevated concrete pier on which the old clubhouse could sit more than 10 feet above the water, and well above the flood elevation as designated by FEMA.

Working in conjunction with the designers, L.F. Driscoll, and Mid-State Filigree Systems (Cranberry, N.J.), Madison devised a plan that would allow construction of a concrete pier, over the water, without having to use a traditional formed and

shored deck system. This allowed the pier to be built from above, with minimal need to work off of floating platforms in the water. Additionally, no stripping of the underside was necessary after the deck was poured and complete.

Sitting on approximately 100 steel piles, more than 200 pieces of plant-cast beams and deck panels were used to construct the 13,000-square-foot pier. Once the entire deck was set, epoxy-coated top reinforcing and a four-inch-thick concrete topping slab were installed. Madison constructed the entire deck in less than two weeks, and turned it over to the contractor so that the clubhouse could be raised and moved onto the new pier.

Despite harsh weather conditions, which included rain, snow, and sub-zero wind chills, Madison was able to reduce the field construction duration, meet the project budget and still deliver a quality product that met the original design intent for the ownership of Bay Head Yacht Club.

OWNER: Bay Head Yacht Club

GENERAL CONTRACTOR:
L. F. Driscoll Company

ARCHITECT: Platt Byard Dovell
White Architects

ENGINEER: Robert Silman
Associates and O'Donnell &
Naccarato

OTHER TEAM MEMBERS: MidState
Filigree, ReSteel Supply Company,
Bayshore Rebar, Clayton Concrete,
Crescent Iron Works

COMPLETION DATE: January 2014

SERVICES PROVIDED:

- Filigree concrete frame construction
- Design conversion from supported cast-in-place concrete construction to filigree
- Design consultation and coordination