

Bay Tower Hotel
Bay St Louis, Mississippi
2002

Owner: Penn National Gaming, Casino Magic
Architect: Urban Design Group, Atlanta
Contractor: Roy Anderson Construction Company
EOR: Gregory P. Luth



Statistics

- 14 stories
- 240,000 sq. ft.
- Long span conference center
- Post-tensioned concrete slabs
- Linked shear wall “super frame”
- Precast and timber piles
- Structural remodel of casino barge and connection to existing land side pavilion
- Hurricane wind environment

(Left) Innovative Link Walls at the Roof



(Above) View of Hotel from West

(Below) Conference Center with Moveable Partitions

Description

Among the challenges were the design wind speeds of 130 mph on the Mississippi gulf coast. The tower was built on the site of a previous project that was halted after piles were driven. GPLA designed the new foundations to incorporate the existing piles, which were surveyed, as well as new piles. The hotel, ballroom, and restaurant facilities were opened 14 months after the start of construction.

