



BLISS & NYITRAY, INC.
STRUCTURAL
ENGINEERS

Services

hospitality

AVIATION
COMMERCIAL OFFICES
EDUCATION
GOVERNMENT
HEALTH CARE
HOSPITALITY
MIXED-USE
PARKING
PEDESTRIAN BRIDGES
RETAIL
SPORTS / ENTERTAINMENT





HOSPITALITY PROJECTS

Swiss Bank Corporation Headquarters Building

Georgetown, Grand Cayman
Three-story office building

Gyst Building

Georgetown, Grand Cayman
Five-story office building

Cayman Beach Park Plaza Hotel

Georgetown, Grand Cayman
Four & five-story, 201 units. Preliminary design



Ritz-Carlton™ Hotel Expansion and Club

Nichols Brosch Sandoval Architects , Kraus-Manning, Inc.
St. Thomas, U.S. Virgin Islands

With more than a half-mile of beach frontage and a hilly terrain, this 27-acre site offers spectacular views of Great Bay and Mueller Bay. The tranquil appearance belies the structural design challenges, with seismic (earthquake) requirements similar to those in California, and wind (hurricane) speeds comparable to those in South Florida. Due to the topography and adjacent shoreline, the buildings are founded partly on shallow foundations and partly on precast piling.

The expansion includes four 20-unit, 4- and 5-story buildings for the Ritz Carlton Club, two 24-unit buildings for the expansion of the hotel, a 7,000 sf spa, 30-slip marina and other ancillary buildings. Construction was coordinated to minimize disruption to the Resort.



HOSPITALITY PROJECTS

Front Street Development

Sint Maarten, N.A.

Seven-story mixed-use facility, with retail space, restaurants and apartments

Pelican Resort and Casino

Sint Maarten, N.A.

Three waterfront buildings up to 6 stories, time-share units, pool, pool deck, restaurant, public, commercial facilities

Cayman Island Yacht Club

Grand Cayman, British West Indies

Luxury private residences and clubhouse facilities



Wyndham Sugar Bay Beach Club and Resort

Centex Rooney Construction Company

St. Thomas, U.S. Virgin Islands

Surrounded by mountains, a tropical forests and an ocean is the 306-unit Wyndham Sugar Bay Beach Club an eight 4-story buildings, this hotel also includes three pools, a fitness center, tennis courts, restaurants and a nightclub.



Four Seasons Resort

I.A.D.G. (International Architects Design Group), London

Nevis, West Indies

Nestled on a quiet beach, this 196-unit hotel, includes 17 suites, most with ocean views. There are three restaurants, two oceanfront pools, a spa, health club, and meeting rooms. It also includes 10 tennis courts, and a facility that wraps around the central plaza of the Sports Pavilion.



Jolly Beach Hotel

Jack Johnson Architect

Antigua, British West Indies

The Jolly Beach Resort is Antigua's largest resort, with 462 rooms in low-rise buildings that front a 1-mile long white-sand Caribbean beach on the island's west coast. All buildings are designed to reflect the natural beauty and unique culture of the Caribbean. The project includes an 8,000 sf pool and four restaurants.

HOSPITALITY PROJECTS

Montagu Beach Hotel

Nassau, Bahamas

Investigation and report of structural deterioration, corrosion damage and repair procedures

Cannegeiter Building

Sint Maarten, N.A.

Southwinds Hotel

Barbados, British West Indies



Pier House Resort and Caribbean Spa

Jacobs Brothers

Key West, Florida

Addition to Pier House hotel facilities, conversion of manufacturing facility 2 story, 24 units, spa and meeting rooms, renovation to Havana Docks Restaurant and seawall.



- HOSPITALITY PROJECTS**
- Princess International Hotel**
Freeport, Bahamas
 - Freeport Casino**
Freeport, Bahamas
 - Paradise Beach Casino**
Nassau, Bahamas
 - Cayman-Kai Development**
Grand Cayman, British West Indies



Marriott Hotel

Nichols & Associates, David Volkert & Associates
Lexington, Kentucky

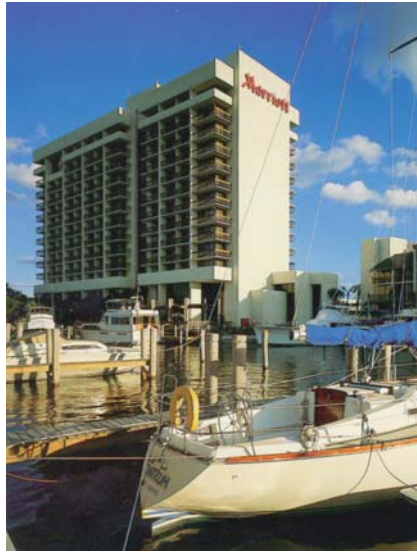
Blending perfectly into the environment of Kentucky's famed Bluegrass country is the 305-unit Marriott Resort, with its low silhouette, exterior and interior embellished with native stone.



Pelican Resort and Casino

I.A.D.G. (International Architects Design Group), London
Philipsburg, Sint Maarten, Netherlands Antilles

The 30-acre, 342 all suite resort is set on a private Caribbean beach. The project includes two restaurants, a mini market, shops, casino, five bars, and five swimming pools.



HOSPITALITY PROJECTS

Casa Caribe

Grand Cayman, British West Indies

Paradise Manor Hotel

Grand Cayman, British West Indies

Ravine Rouge Development - Oyster Bay

Sint Maarten, N.A.

Half Moon Bay

Grand Cayman, British West Indies

Colonial Club Grand

Cayman, British West Indies

Marriott Hotel

Nichols & Associates, David Volkert & Associates
Fort Lauderdale, Florida

Directly on the Intracoastal Waterway, the 572-room Marriott hotel boasts a private marina with slips for 100 sea vessels. The hotel's 13 stories, surrounded by a private villa development, afford a panorama of Fort Lauderdale's network of ocean and waterway views. Keeping with the Florida nautical motif are exposed wooden beams in the hotel's River Watch Restaurant and other public areas. Outside landscaping extends the natural environment atmosphere.



HOSPITALITY PROJECTS

Retreat at Rum Point
Grand Cayman, British West Indies

Grace Bay Condominium
Grand Cayman, British West Indies

Hibiscus Village
Grand Cayman, British West Indies

Shalimar Condominium
Grand Cayman, British West Indies

Galeon Apartments
Grand Cayman, British West Indies

Ironshore Colony
Grand Cayman, British West Indies

Marriott Hotel

Nichols & Associates, David Volkert & Associates
Tampa, Florida

The 300-room Marriott hotel's location adjacent to Tampa's international airport is subtly emphasized by the creative design of a verticle center span separating the two wings of the hotel, in a manner faintly reminiscent of an airport control tower.

The convention aspect of the hotel's function is complemented by such amenities as an indoor/outdoor pool with broad lounge deck, health club facilities, restaurant and discoteque and spacious lobby with broad, sloping skylights.

Sound-shielded with the most modern techniques, the hotel puts travelers only a few minutes from planeside. It is sited in the midst of traffic arteries which allow easy access to virtually all components of the Tampa Bay business and professional centers.



Boca Raton Resort & Club

Garcia Stromberg Architects, IDC Construction
 Boca Raton, Florida

Palm Court

The Palm Court is the centerpiece of a multiphase renovation plan for the resort. The 4,200 sf area of the hotel had once been a refined open air courtyard overlooking Lake Boca Raton (the intercoastal waterway). Sometime in the 1960's the space was roofed over and relegated to function more as a hallway. The renovation project literally tore the lid off the hotel, restoring light and grandeur to a space that will now function as the social hub for the hotel, a place to congregate, relax and have high tea.

The structure was built in 1925, expanded in 1928, and modified repeatedly over the past 80 years most often without permits or drawings. The complexity of working with the existing structure quickly became apparent. Documents were continually refined as the layers of renovations were peeled back and the existing conditions were revealed. To deal with the changes in a most effective way, the local team conducted joint workshops to discuss each others work effort and to explore ways the team could continue to improve communication and collaboration between the disciplines.

Boca Beach Club

The project consists of the complete renovation of the existing 330,000 sf, seven-story hotel and the addition of new four-story parking garage.

1000 Ocean

Development of a new seven-story, 52 unit luxury condo tower over a two-story garage on the Boca Beach Club site



HOSPITALITY PROJECTS

Azure Bay Hotel
Grand Cayman, British West Indies

Plantation Village
Grand Cayman, British West Indies

Plantana Apartments
Grand Cayman, British West Indies

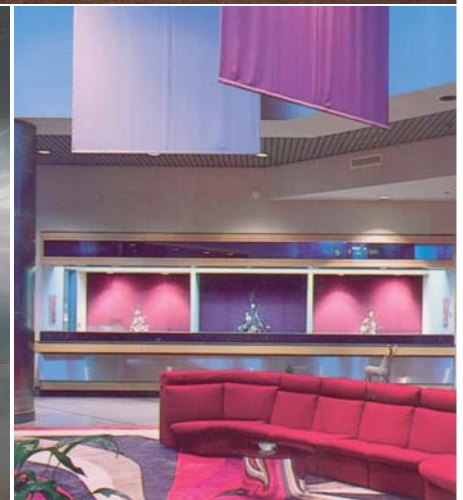
Barkers Hotel
Grand Cayman, British West Indies

Governor's Sound
Grand Cayman, British West Indies

Portside Yacht Club

Nichols & Associates, David Volkert & Associates
Fort Lauderdale, Florida

A development of 40 luxury villa condominiums surrounded by a yacht basin and scenic waterways. Sloping roof lines, balconies and landscaping create individuality and privacy. Unusual interior design offers multi-level floor plans, fireplaces, sturdy lofts and elevators.



HOSPITALITY PROJECTS

Admiral Beach Hotel
Barbados, British West Indies

Caribbean Beacon
Anguilla, British West Indies

El Casino Hotel
Nassau, Bahamas

Freeport Y.M.C.A.
Freeport, Bahamas

The Grand Duval Hotel
Key West, Florida
Renovation/Remodeling of existing 7-story building; addition of a 4,000-sf restaurant and 2,400-sf meeting rooms.

Sheraton Hotel
Nichols & Associates
Houston, Texas

This 450-room hotel offers exceptional facilities for conventions and the business traveler, with 10,000 sf ballroom, 250-seat auditorium, and ten conference suites.

Aesthetically, the hotel is distinguished by a dramatic jet age exterior and 300 foot long skylight gallery. There are two restaurants, lounge, lobby bar, health club, and outdoor pool.



Flagler Station Marriott Courtyard

Beame Architectural Partnership; Contractor: Dooley Mack
Miami, Florida

The project consists of a hotel facility for Marriott. The structure is five-stories with 127 units and a total building area of about 75,156 square feet.

The 5-story building consists of Filigree slab systems supported by load bearing reinforced concrete masonry walls. The bearing walls also act as the lateral resisting system for the structure. Approximately half of the bearing walls are transferred to a cast-in-place frame system at the second floor. All structure rests on shallow foundations as recommended by the geotechnical engineer. Isolated footings are used for individual columns and strip footing for bearing walls (or a combination thereof when geometry dictates). People entering the building are welcomed by a Porte Cochere with an arched roof supported by curved structural steel beams.



The Island Resort and Residences

DDL Studio Ltd., and Resort Architecture and Design Ltd.

East End, Grand Cayman, BWI

The Island Resort and Residences is an exclusive luxury development on a 7.42 acre coastal site at East End, Grand Cayman, British West Indies.

The resort will be Developed as a condo hotel, the resort features tropical landscaping, a large and unique swimming pool, themed dining experiences and a spa.

Each of the 93 residences are designed with independent, five star hotel lock off facilities, resulting in 206 hotel suites which will be managed and promoted as a luxury resort in the mainstream tourism market. The residences will be constructed in three five-story buildings which connect on a "sixth" basement level. The basement level will accommodate car parking and staff access corridors in addition to ancillary facilities. Other buildings will provide accommodation for a two-story spa and three-story reception, restaurant and administration facilities.

The total area of the buildings will be 374,000 sq ft.





Orion Resort

RVL Architects

Fort Lauderdale, Florida

The Orion Resort is an 18-story, 340-room hotel building, totaling an area of 440,000-sf.

The building has underground parking and features a roof terrace and a pool area on the fourth level. The resort includes 12,000-sf of office, retail and restaurant space. The structural frame will consist of concrete shear walls and post-tensioned slabs.