



PROJECT: SMUGGLER'S COVE, BARBADOS
LOCATION: ST. JAMES, BARBADOS
OWNER: N JORDAN
CLIENT: WEST COAST CONSTRUCTION
SECTOR: BUILDING
PROJECT VALUE: US\$10.1m
PROJECT COMPLETION: 2008

Project Description

Luxury 5-storey apartment building located on the exclusive West Coast of Barbados. The project was awarded to the Client under a Design/Build procurement route and Rivelin Consultants Limited were selected as the preferred structural and civil engineering design consultant.

Key project features

- 5 storeys of luxury beachfront apartment space
- 3,200m² (34,400sf) of total floor space
- Italian architectural design (interior and exterior)

Our role

- Structural and civil engineering analysis and design of the entire building and surrounding civil infrastructure.
- Structural analysis and design process encompassed provisions from a multitude of international design codes including UBC (wind), ASCE-07 (seismic and loading), BS8110 (reinforced concrete), BS8004 (foundation), BAPE (supplementary wind)
- We worked closely with Italian architects (Italica) to integrate the aesthetic requirements into the structural configuration, and also performed our designs in conjunction with the requirements of the Services Engineer.
- Regular value-engineering meetings with Client and Owner to determine efficient construction approaches and design optimisation.