

**PROJECT DATA SHEET**



**PROJECT:** OFFICE BUILDING  
**LOCATION:** SCARBOROUGH, TOBAGO  
**OWNER:** Dr. F KHAN  
**CLIENT:** Dr. F KHAN  
**SECTOR:** COMMERCIAL  
**PROJECT VALUE:** TT\$8m  
**PROJECT COMPLETION:** Dec 2009

**Project Description**

This project involved the detailed architectural, civil and structural engineering, design and construction drawings for a 890m<sup>2</sup> (9,600sf) office building. Rivelin Consultants Limited was appointed by the Client as the Design Consultant to carry out the full design of the building including the structural and civil engineering.

**Key project criteria**

- 890m<sup>2</sup> floor area
- Design of structural systems that allowed for re-use of available structural members
- Option analysis involving alternatives for basements and heavy retaining walls
- Design of suitable infrastructure and building services
- Car parking configuration in accordance with statutory guidelines

**Our role**

- Preparation of the full civil, structural and infrastructure analysis, design and construction drawings for the Client
- Provision of on-site engineering inspection services
- Design and analysis carried out using ASCE07, BS5950 and BS8110 codes
- Provisions made for both seismic and hurricane loading
- Optimise design to allow the Client to use readily available structural steel members in lieu of more expensive imported members.
- Provision of cost analysis study to develop project economic feasibility

