

# Joel's Hotel - Dublin



**Project:**

Joel's Hotel

**Location:**

Dublin

**Client:**

Caledonian Building Systems

**Consulting Engineer:**

Alan Wood & Partners

**Architect:**

Oppermann

**Project Value:**

€40 million



## Description:

Alan Wood & Partners responsibilities included the structural design of a prefabricated modular superstructure and provision of foundation loads for foundation design by others.

The hotel consists of 2, 4 & 5 storey prefabricated modular units, on a traditional build ground floor transfer structure, linked together around a traditionally built core area to form a 'T' shaped building on plan, all traditional build areas designed by others.

All modules are designed as free standing structures, braced against lateral wind loads by vertical bracing incorporated within party walls. Disproportionate collapse has been checked throughout the modular units to the relevant standards.

For the purposes of any future hotel expansion provision for a 7 storey modular superstructure is included within the structural design and foundation loads.