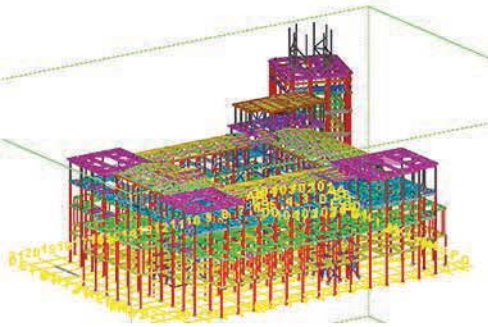


# Residential



## Residential

**Project:** Royal Pavilion  
**Client:** C G Fry  
**Tonnage:** 450 Tonnes  
**Location:** Poundbury, Dorchester

The Royal Pavilion is a substantial frame forming part of the large wider site of the Poundbury development. The building comprises of 20 luxury apartments and penthouses in 'the most exclusive new address in the south-west of England.' The main multi-storey frame wraps around a central courtyard from the first floor to the roof. On one corner of the building a large steel tower was required that would serve as a grand feature to the main building. Below the tower, further steelwork was required to connect to the concrete pillars that further support this impressive building.

The main building is supported by three fully braced stairways that go the full height of the frame. The roof incorporates a large number of trusses that support cold rolled purlins. Moreover one of the flat roofs that form the corners of the building has a fifth floor that was designed as its own fully braced frame.