

**RAIL**

**CONTRACT:** KINGS CROSS  
NORTHERN TICKET HALL  
Bomb Gap Works

**CONTRACT PERIOD:** 30 Weeks

**CLIENT:** Balfour Beatty CEL  
86 Station Road  
Redhill  
Surrey  
RH1 1PQ

**VALUE:** £1.9 million

**CONTRACT DESCRIPTION:**

The project required the installation of reinforced concrete ventilation shafts which service the new King's Cross Station LUL Northern Ticket Hall. The works comprised an in-situ concrete shaft rising 5 storeys with dividing walls, providing two exhaust ducts and one air inlet duct. The vent is surrounded by a monolithic in-situ reinforced concrete floor slab at each level and structural steel roof framework which forms the structure of the reinstated Network Rail asset. The new structure is supported on piled foundations and occupies the section of the King's Cross Station Western Range building commonly known as the 'Bomb Gap'. The new structure is arranged around and bridges over an existing basement.

**ENGINEER:** OVE ARUP & PARTNERS  
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**ARCHITECT:** Allies and Morrison  
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