

# BBC W1, Technical Boxes, London, UK

CDM-LAT-SPECIAL, CDM-LAT



**Client** Land Securities / BBC  
**Main Contractor** Bovis LendLease  
**Architect** Sheppard Robson  
**Acoustic Consultant** Applied Acoustic Design  
**Structural Engineer** Ramboll  
**Details** 49 studios: total area >1500m<sup>2</sup>

• The enormous redevelopment of the site around Broadcasting House is due for completion in 2010. The new buildings are situated between the Bakerloo and Victoria underground lines and the tube trains are clearly audible in all the buildings.

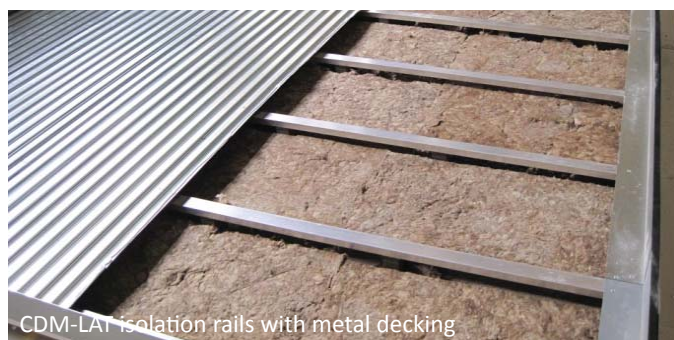
• To protect the Technical Boxes from structure-borne noise each one was built off a concrete floating floor.

• The construction of the floating floors depended on the location within the building: in the basement the floors were 125mm concrete on 100mm void supported by bearings with a natural frequency of <8Hz.

• On the ground floor the floors were 90mm concrete on 100mm void; the 2nd floor was 90mm concrete on 75mm void and the 3rd and 4th floors 90mm concrete on 50mm void.



Picture taken from Portland Place Nov 2009



CDM-LAT isolation rails with metal decking



CDM-LAT-SPECIAL isolation rails



Floating floors with metal decking

Building

Project Reference