

BBC W1, Main TV Studios, UK

CDM-CHR-BOX, CDM-SEB



Client
Main Contractor
Architect
Acoustic Consultant
Structural Engineer
Details

Land Securities / BBC
Bovis LendLease
Sheppard Robson
Applied Acoustic Design
Ramboll
4 Studios on CDM-ISO-CHR-BOX
spring boxes >20MN
News24 studio on CDM-ISO-SEB
bearings ~3MN

• 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 new studios from this structure-borne noise the largest 4 studios, located in the bottom basement, were placed on pre-compressed CDM-ISO-CHR-BOX spring boxes >20MN and the News24 studio, located on 1st basement level, isolated on 7Hz CDM-ISO-SEB simple elastomer bearings.

• These lower performance bearings were selected for the News24 studio because it was predicted that vibration levels would decrease the higher up the building the studio is located.



Picture taken from Portland Place Nov 2009



CDM-SEB bearings in News 24 Studio



CDM-CHR-BOX springs installed on plinths



CDM-CHR-BOX springs supporting steelwork in TV Studios

Building

Project Reference