



## Acoustic Solution

**Client:** Ernst & Young

**Business:** Accountancy

**Site:** Becket House London

**Work undertaken:**  
Provide a room with low acoustic reverberation



**Value:** 26K

**Work period:** 3 Weeks



**SOUTH  
ANSTON**



Note: All works undertaken and managed by South Anston operatives and management not by South Anston Limited.

## Room Acoustics.

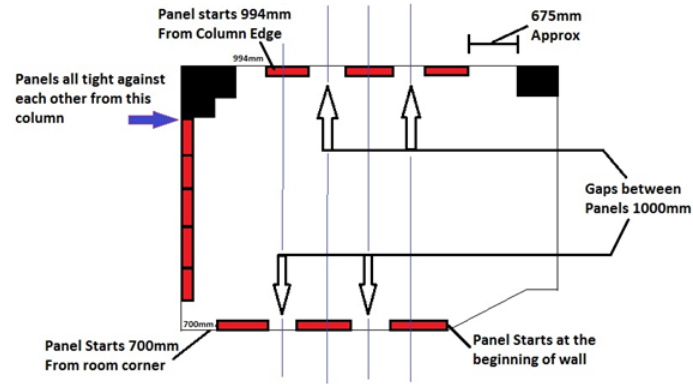
Ernst & Young (EY) is one of the largest Professional Services Companies in the world and one of the Big Four Accountancy companies, along with Deloitte, KPMG and Price Water House Coopers. Ernst & Young is a global organization of member companies in more than 140 countries with headquarters in London, UK.

The brief was to construct a room to the exact specification submitted by CISCO, one of the main criteria to overcome was room sound reverberation, to counteract this a number of practices were implemented:-

- 100mm Gyproc SoundBlock Plasterboard.
- 100mm Isover 1200 Wall Insulation.
- 25mm SuperPhon Acoustic Wall Panels.
- Armstrong Ultima Acoustic Ceiling Tiles.
- Mullican Acoustic floor Tiles.



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## BT CISCO Requirements

### 5.4. REVERBERATION

#### 5.4.1. CRITICAL VOICE FREQUENCIES (500Hz, 1KHz, 2KHz)

5.4.1.1. RT60 - 300 milliseconds (TOLERANCE = LESS THAN 500 milliseconds)

#### 5.4.2. OTHER AUDIBLE FREQUENCIES (125Hz, 250Hz, 4KHz)

5.4.2.1. RT60 - 300-500 milliseconds (TOLERANCE = LESS THAN 700 milliseconds)

NOTE: ACOUSTIC TREATMENT IN THE CT33200 SPACE IS REQUIRED, NOT RECOMMENDED BY CISCO.

# SOUTH ANSTON

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## Key Issues –

- Project programming.
- Adhering to a strict specification.
- Project management to ensure the smooth interface with the Client, Landlord and Specialist Subcontractors.
- Constant liaising with the client.
- Keeping disruption to the main building entrance to a minimum.
- Implement and supervising all health and safety requirements.
- Complete after project service.

