



these tests, but also the volume of the auditorium itself was calculated to give a sufficiently long reverberation time, the volume of the hall being 28,750m<sup>3</sup> or 11.5m<sup>3</sup> per seat. For a classical repertoire such a warm reverberant sound is essential. However, such a reverberant sound is not suitable for the other non-musical purposes to which the auditorium will be put, hence, a high quality sound system has been designed with a loud-speaker cluster located above the stage to enhance the intelligibility of vocals.

The auditorium will have a visual splendour to match its aural opulence — European ash veneer panelling on the balconies, roof trusses, and some on the wall space. Royal blue carpets and seats, and richly coloured plaster areas form a startling contrast to the pale plaster and pastel marble foyer and reception areas.

Professional faith in the space's standing as a major concert hall has been demonstrated by a string of world-class orchestras scheduled to perform during its first year — the Berlin Philharmonic on 9, 10 October, the Bolshoi Orchestra on 12 October, the London Philharmonic on 30 October, the Israel Philharmonic on 21 November, and the Orchestre de Paris in December. In addition, pop, jazz, and rock 'n' roll acts like Eric Clapton, Shirley Bassey, and Tom Jones are pencilled in to complete its first year.

**Project:**

Glasgow International  
Concert Hall

**Client:**

Glasgow Cultural Enterprises  
Limited

**Location:**

Buchanan Street/Sauchiehall  
Street/West Nile Street/  
Killermont Street, Glasgow

**Date of Commencement:**

March 1988

**Projected Opening Date:**

8 October 1990

**Cost:**

£27 million (\$46 million)

**Design architect:**

Sir Leslie Martin

**Executive architect, consulting, civil, structural, service engineers:**

Robert Matthew Johnson  
Marshall & Partners  
10 Bells Brae  
Edinburgh, EH4 6JL

**Acoustic consultant:**

Sandy Brown Associates/Dr.  
M. Barron  
16 West Terrace  
South Queensferry  
West Lothian EH30 9LL

**Theatre Consultant:**

Carr and Angier  
Churchill House  
1 Dorchester Street  
Bath BA1 1SY

**Stage Machinery:**

Telestage Associates (UK)  
Ltd.  
Western Way  
Bury St. Edmunds  
Suffolk, IP33 3SP

**Sound & communications:**

Northern Light  
79 Loanbank Quadrant  
Glasgow, G5 3HZ

**Stage Lighting:**

Eurolight Ltd.  
Unit 8  
Maple Industrial Estate  
Maple Way, Feltham  
Middlesex, TW13 7AW

**Stage:**

Size: 290 m<sup>2</sup>  
Platform width: 13 - 22m  
Maximum platform depth:  
13.2m  
Platform to overhead grid:  
15.6m  
Platform to rear of balcony:  
37m

**Lighting:**

Stage lighting control:  
Eurolight's Ovation, complete  
with back-up, and rigger's  
control  
Luminaires: CCT 2kw  
Silhouette 10; CCT 1kw  
Silhouette 15-32; CCT 2kw  
Starlette fresnels  
Eurolight/Green ginger  
wallrack dimmers: 134 x 10  
amp; 106 x 20 amp; 12 x 40  
amp  
32 No. 10 amp relay operated  
non-dim circuits, which may  
be operated from a portable  
control panel with the same  
choice of operating positions  
as the lighting control  
Four fixed lighting bridges  
suspended over platform  
Three lighting bridges over  
auditorium  
Lighting positions available  
on technical galleries which  
run full length of auditorium  
at high level  
Follow spot positions at rear  
of balcony at either side

**Sound:**

32-8-2 Allen & Keath Saber  
series mixer can be used in  
stalls or control room at the  
rear of the balcony  
JBL central loudspeaker  
cluster over platform, with  
subsidiary clusters to cover  
balcony