

ACOUSTIC DESIGN OF THE CULTURE HOUSE HOF IN AKUREYRI

Stefán Einarsson

VST – Rafteikning hf
Armula 4
IS – 108 Reykjavik, Iceland
seinarsson@telia.com

Steindór Guðmundsson

VST – Rafteikning hf
Armula 4
IS – 108 Reykjavik, Iceland
steindor.g@vst.is

1. INTRODUCTION

In Akureyri in northern Iceland a Cultural House is being built. Here the “large hall” has about 500 seats. First priority is classical music and the hall is the home of the Symphony Orchestra of Northern Iceland (about 50 musicians). There is an orchestra pit and the hall has variable acoustics for musicals and even for theatre performances with a fly tower. There is also a music school in the house and a smaller multi-purpose hall with about 200 seats. Acoustic consultants are Akustikon ab in Sweden and VST in Iceland (now VST – Rafteikning).

The acoustics of the halls was designed with the help of the computer model Ray Calc, and some results are presented in the full paper

In the music school the practice rooms are classed in two categories - with different demands on sound insulation. The highest demands are for the percussion room and rooms for group practice.

The house will be ready in September 2009.



A new Cultural House in Akureyri in northern Iceland