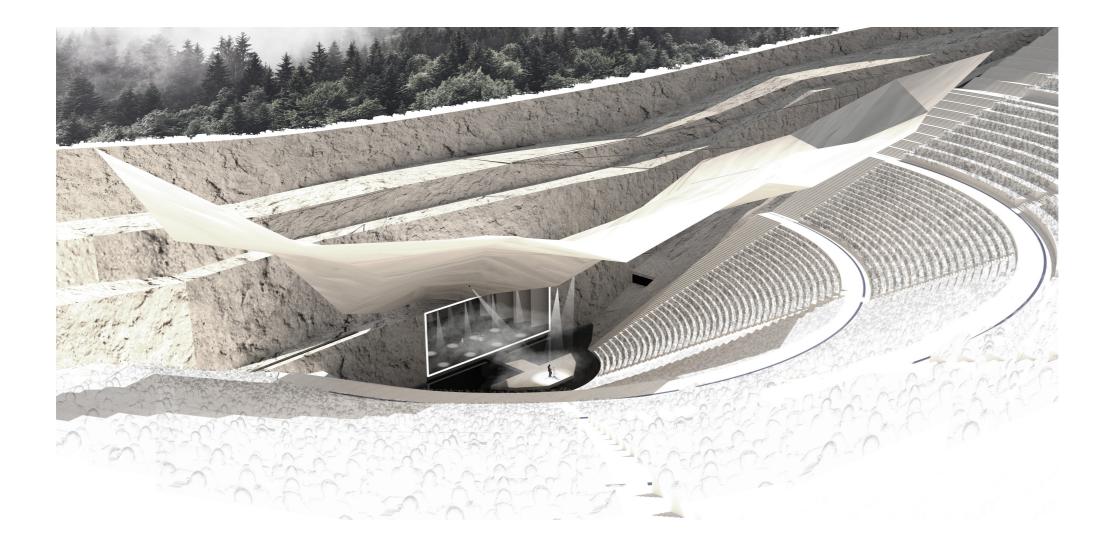




BATCHELOUR THESIS IN ARCHITECTURAL AND ENGINEERING. ACEX15

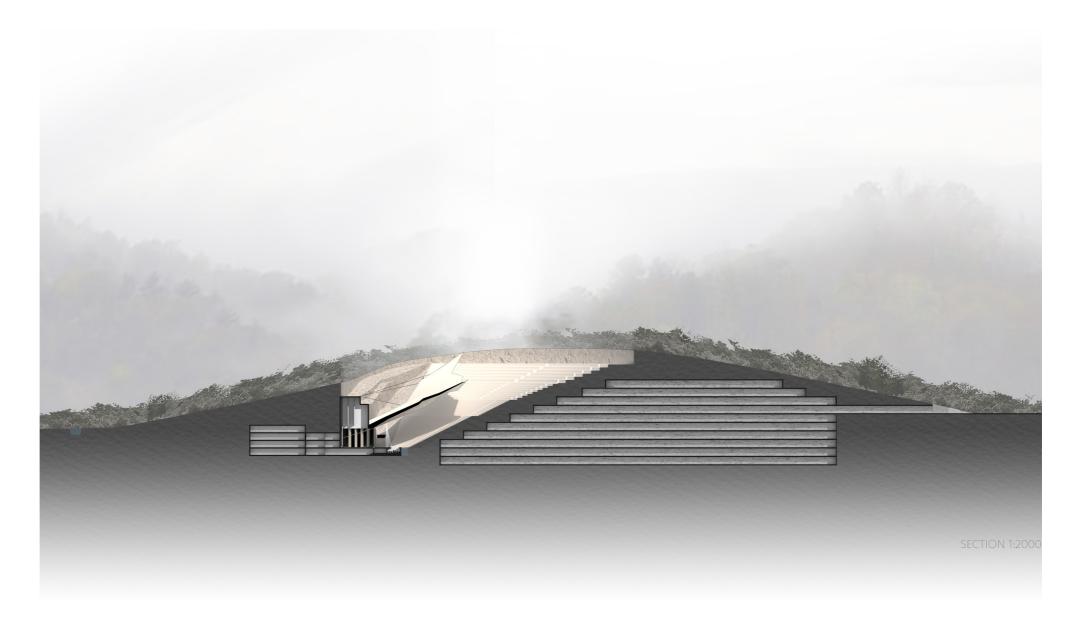




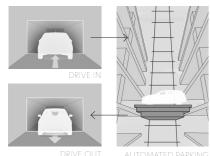
THEPROJECT The pine and oak forest covering the state of Alabama opens upon a hill near a river to reveal a stone quarry from within musical and theatrical acts of all kinds are performed. From down deep in the quarry, surrounded by wa-

A project by Anna Stigenberg, Josefin Krüger and Leon Müller.

THESECTION An extensive garage, with a capacity allowing all visitors to travel by car, creates a hill from where a stone quarry is car-



# THE VISITOR'S WAY



### THE PARKING

Arriving at the site, visitors with cars enter the parking garage entrances accentuated by white illuminating rectangles. The visitor leaves their vehicle directly inside and travels upwards while their vehicle is parked automatically in an area connected to an exit near the visitor's seat. This allows for an efficient arrival and depar-



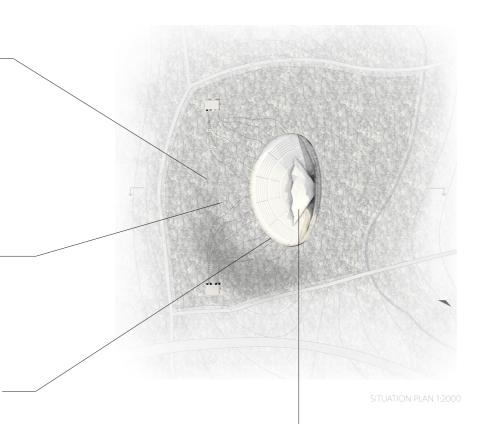
FOREST PATHWAY

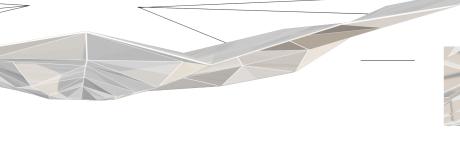
### THE RITUAL

The visitor exits the garage into an open lawn enclosed by forest. Via ticket counters, the visitor is led by the recurring and repetitive white illuminating rectangle through the forest on a quiet pathway. This ritual, a quiet moment, creates a thrilling difference contrasting to the vibrant concert. At the end of the pathway, the visitor is welcomed trough the last illuminating rectangle directly into the quarry. The quiet sound image is replaced by the imposing sound within the quarry.



ENTRANCI





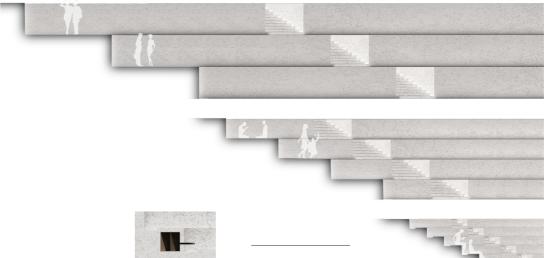


Roof detail: Panels

contrasting to the solid stone, in ight above the arena. Attached t nium, the white roof of folded trial opens up above like a bird's wing and affective pages can be le

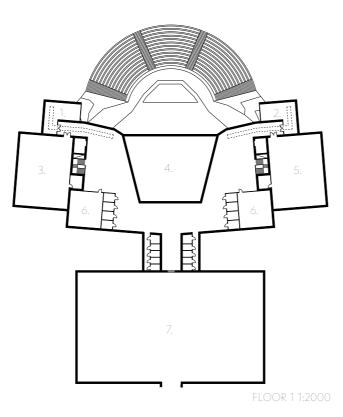
un, the white root of rolead thangular panels pens up above like a bird's wing. The diffusive and reflective panels can be lowered inde endently, revealing an absorbent surface un erneath, enabling an adjustable sound image rer the arena.







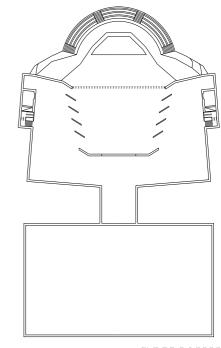
THE PLANS



### BACKSTAGE

FLOOR -1 1:2000

A



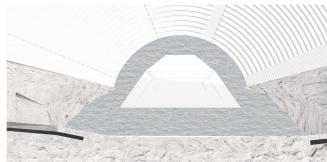
# THE MUSIC SCENARIOS













### SPOKEN WORD

buring acts with spoken words, such as theater, with an audience of 5 000 people, the roof folds and encloses the audience. This creates a strong first reflection and ensures a good reverberation. The stage is in its complete form.



### Symphony

During acts with symphonic music, the roof folds and closes halfway. This creates an even sound image and views for an audience up to 10 000 people, sitting under and outside the roof.

Speakers distributed within the roof enables amplification of the natural sound. In acts with orchestra only, the stage transforms for sedentary and an island is created, exposing more of the water pool.

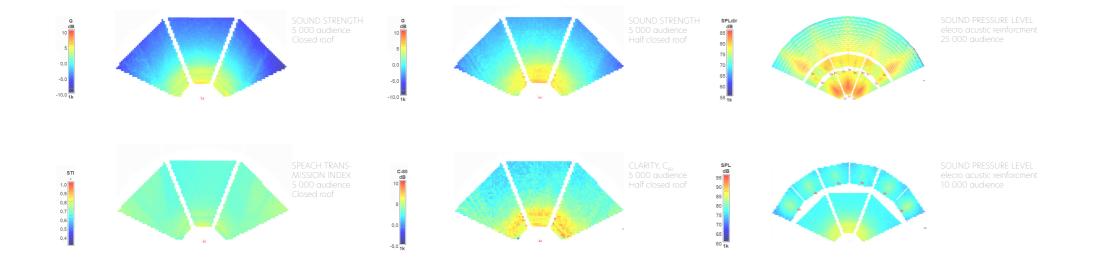


### ROCK AND ROLL

During larger performances such as pop and rock n' roll, the roof is kept in its original, opened form.



Speakers hidden in the roof amplifies the music and additional speakers are possible to mount further back in the arena. These acts allow an audience of up to 25 000 people. The stage transforms into a catwalk combined with a small island closes to the audience.



## THE DESIGN PROCESS

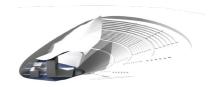
We worked a lot with physical models in the beginning, experimenting and getting to know to place better in a simple way. It's so much easier to see the altered qualities but also the difficulties on the place when you work with your hands. You also get a better image of how it looks and changes with different alternatives. Besides we did a lot of sketching by hand to pitch our ideas to each other.

The stairs were the first critical decision we made because that was the basis and staring point to our project. We walked in as many stairs we found in and our Chalmers to find out what we liked and what was suited to get the result we wanted to have: a stair combined with seating, picknick seating and festival standing. It was a bit tricky and we tried our best to come up with a new variant to get the ultimate seating as well and finally we did. I think we solved the problem with having a comfortable seating great by making a clear division between seating and the next feet. During the project the stairs didn't change so that was kind of a safe point even though we doubted sometimes.

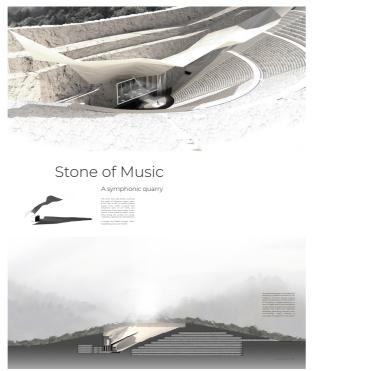


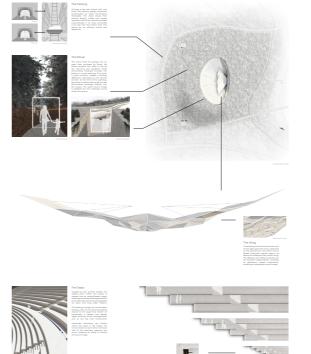






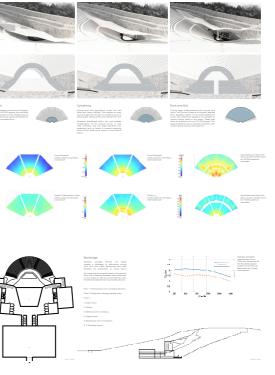
## THE PRESENTATION BOARDS











## THE REFECTION

different spaces. The architectural qualities are connected to the acoustical because I think

link between the design and the different parameters and how that changes. So interesting

