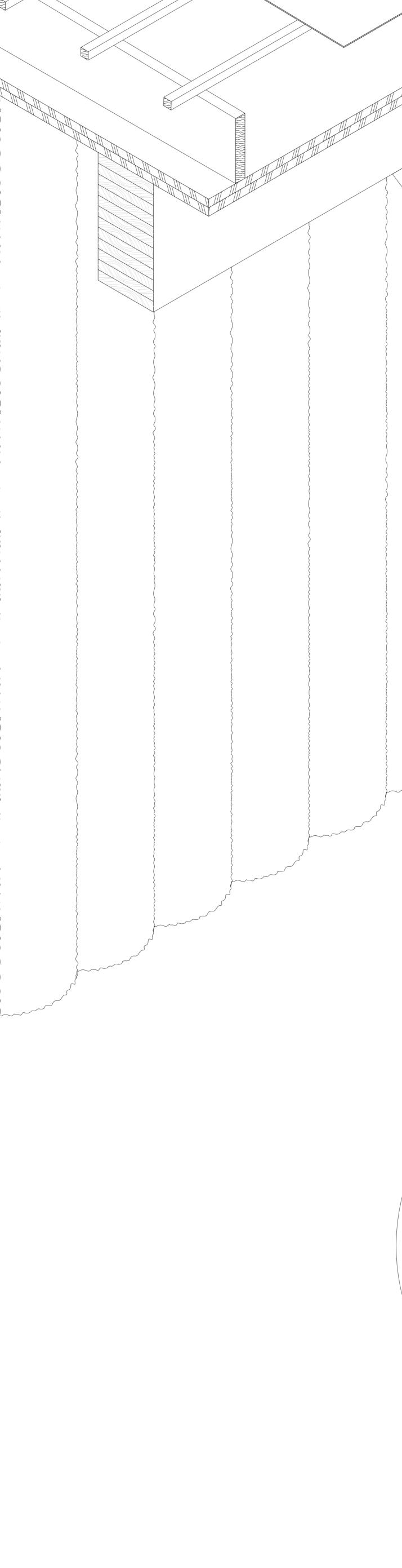


Configurations of flexible acoustics

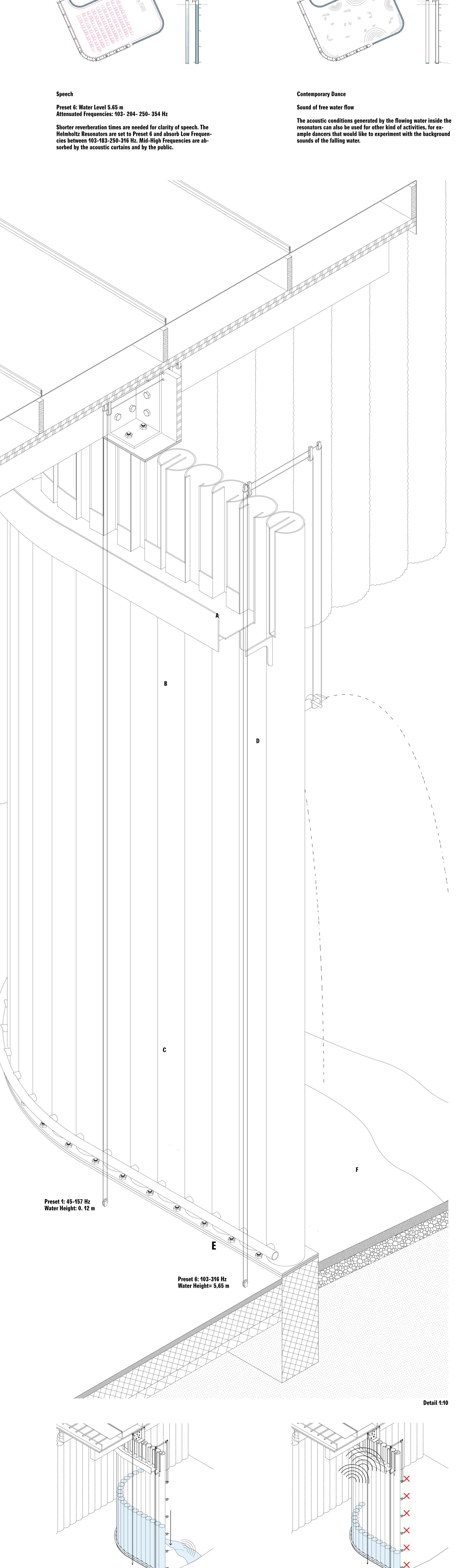


**Cello Chamber Concert** 

Preset 1: Water Level 0.12 m

Attenuated Frequencies: 45- 91- 111- 157 Hz

Higher reverberation times are welcome, as it emphasizes the powerful sound of the instruments. The Helmholtz Resonators are set to Preset 1 and absorb Low Frequencies between 45-91-111-157 Hz. The Mid- High Frequencies absorbing curtains are folded. The hard surfaces of the concrete and copper elements reflect and diffuse sound, while the public absorb the mid and high frequencies.



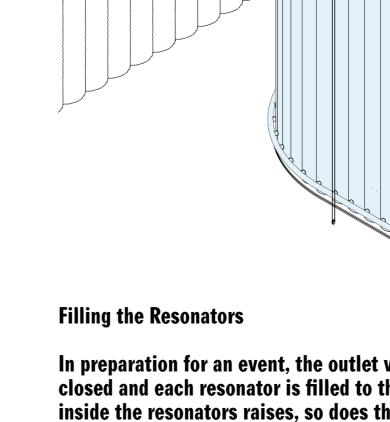
**Water Flow & Sound** Stand-By Mode

When it is not in use, water can freely flow in and out of the resonators, emitting a constant white noise from the opening of the resonators as water falls into them. On the exterior, with the valves of the resonators open, water can be heard dripping into flat water pools and flowing across the square. Depending on the naturally available water flowing down from the glaciers, these sound can vary.

Water tunable Helmholtz Resonator: Low Frequency Absorption Water Canal

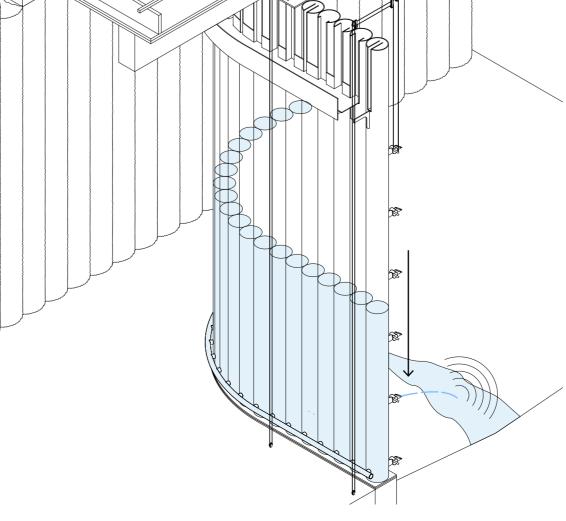
Water Canal Water Valves opening/closing mechanism Water outlet: Tuning of absorbing low frequency Communicating Water Pipe Water Stream

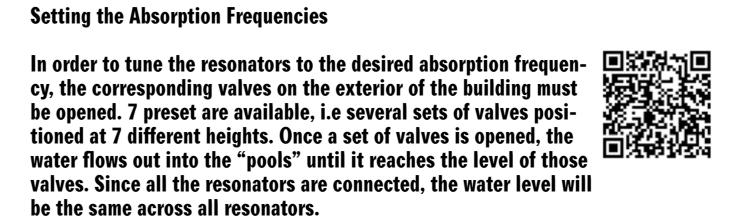


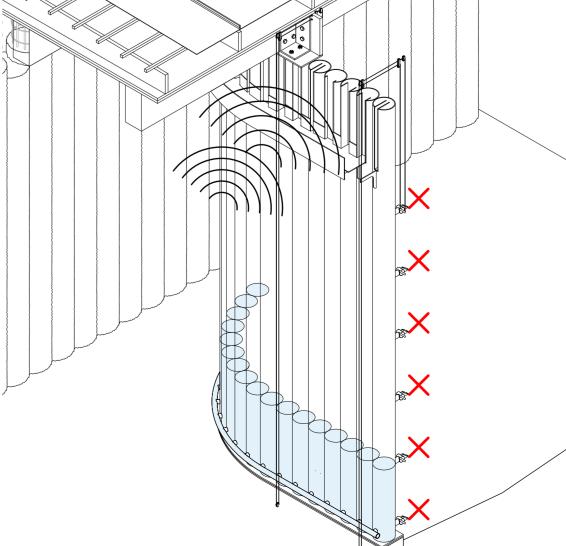


In preparation for an event, the outlet valves of the resonators are closed and each resonator is filled to the top. As the water level inside the resonators raises, so does the pitch of the sound of the falling water. When the resonators are completely full, the water starts to spill out of its channel giving a signal to close the water inlet from the stream. Once closed, the water continues it's original source covered the stream. Source the stream flowing around the building nal course across the stream, flowing around the building.









**During Performance** Water inside the resonators is set at a specific level, grantig the desired absorption. Both water inlet and outlets are closed. Water is flowing either into the original stream or spilling around the building.

tween both mediums.

