

Elemental View performed with The Living Earth Show

Long String Instrument Installation

- **Resonant space – not outdoors – no carpet unless it is a Cathedral!**
- **2000 sf.** (80 × 24) **175 m²** (25 × 7)
- **Rigging**
 - Directly screwed into walls or floors
 - Tie-down belts
 - Free-standing counter-weight frames (820 kilos (1800 lbs) sandbags each side)
 - Specific to venue rigging will be drawn up using floorplan and photos
- **Resonator boxes travel in three standard weight and size checked luggage**
Hardware and wire, one overweight standard size luggage, Persian santur and acoustic guitar in separate checked cases. **6 checked bags total.**
- **Pull-out load +/- 400 kilo (900 lbs.) per resonator.** No injuries ever occurred, wires are very thin and fall to the floor if they break.
- **Two technicians** construct framework and set-up for one or two days
- Assistants, can be interns, total 40 hours
- **Smooth coverage lighting** installed along string pathways
- **Sound reinforcement** Four speakers (Meyer Sound, d&b, L-Acoustics, or equivalent) placed in corners. Fullman travels with two cardioid mics, four cardioid mics and venue provides six short stands provided by venue.

Timeline

- **Before Artist's Arrival** Hardware materials purchased and framing constructed as far as possible. Use heavy duty lumber and heavy duty hardware.
- **Day 1** Move-in or fabrication of support structure and attachment into walls or floors. Resonators and tuning blocks attached to framing, about ten hours. Lighting instruments installed and roughly focused.
- **Days 2** Stringing, lighting focused
- **Day 3-4** Stringing, tensioning, tuning
- **Day 5-6** Stringing, tensioning, tuning
- **Day 7** Rehearsals, sound check
- **Day 8** Performance scheduled
- **Strike – 4 hrs** (with help) – all touring components packed into luggage



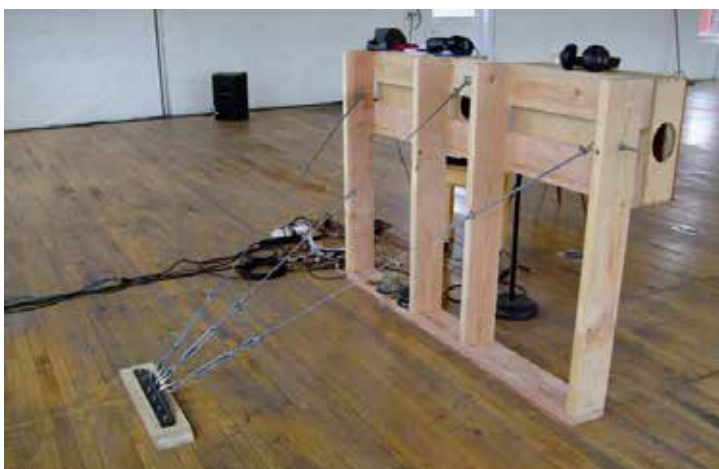
Wall-mounted Cheapest and easiest method using 2x6s (5x15s) and screws

free-standing installation

Where it is not possible to put screws into the floors or walls, counter-balanced weighted stands are constructed. Trays are filled with 820 kilos sandbags on each side.



Tie-down belts used to anchor to columns



Framing **bolted to the floor** and triangulated cable

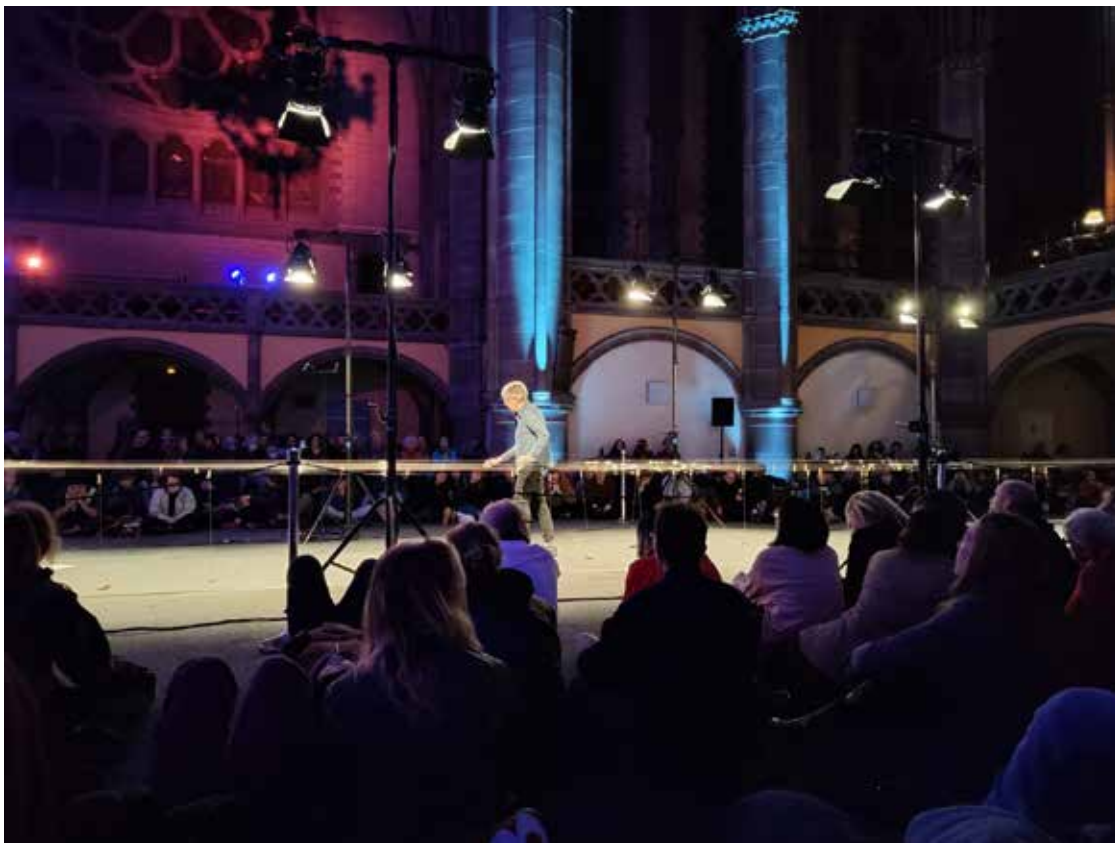




Lighting design

Create highlights along the string pathway.
Cut closely to string to light hands and string.
Performer is lit from spill only. The fine wires are nearly invisible without lighting.

send & receive, Winnipeg



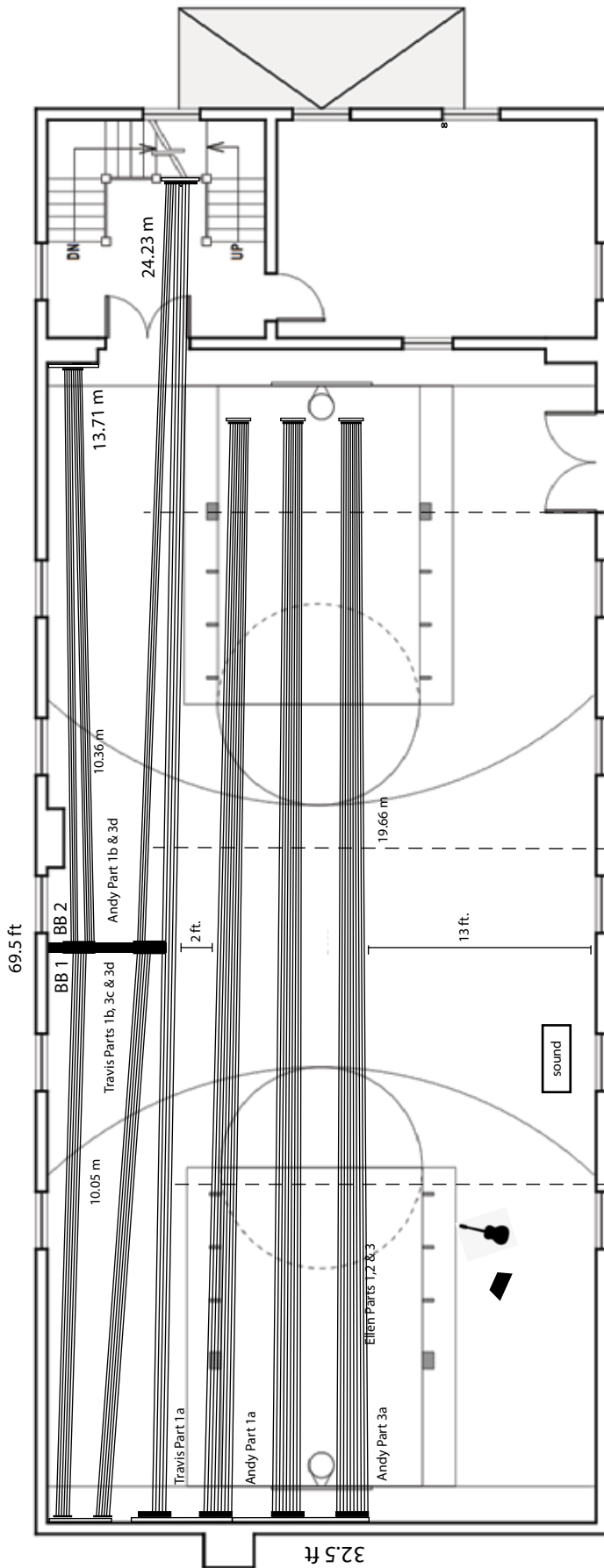
Festival Musica, Strasbourg

Hallo Festspiele, Hamburg





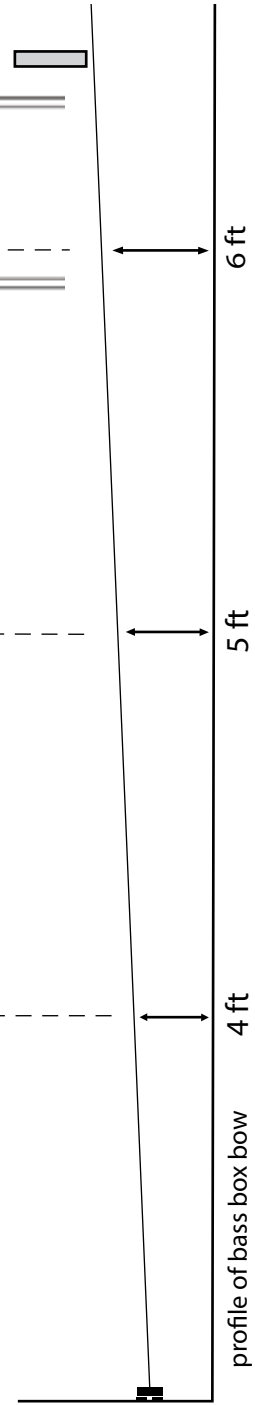
The **box bow resonator** is double-sided with strings extending in both directions. The framing is bolted into the floor or suspended with diagonal cables. An equal number of strings tensioned in both directions stabilizes the position.



Elemental View Installation

Headlands Center for the Arts

note: configuration is adjusted for the architectural situation but lengths are needed for tuning of this piece.



profile of bass box bow



Elemental View Installation
Headlands Center for the Arts

