SOUND ARCHITECTURE

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Downtown Velocab Advertisement Postcard Mailer and Advertisement Objects in Relation to Each Other **VENUE**

Crocker Art Museum, Sacramento, CA

Phase 01

DATES

January 6, 2011 - April 28, 2011

AUDIENCE

General Visitors Sound Artists and Composers Architectural Professionals and Hobbyists

LOCATION AT VENUE SIZE OF SPACE NUMBER OF OBJECTS

New Temporary Exhibition Gallery 12,000 sq. feet 12 Installations + 13 objects

SPECIAL CONSIDERATIONS

Some exhibits may be very loud or very faint. Soundproofing strategy for installations required. Platform lifts will provide ADA access to the mezzanine levels.

INTERPRETIVE ELEMENTS

Interactive wall which lights up to illustrate patterns in architecture. Interactive video wall connecting architectural periods and music. An installation suggesting the chronological history of sound spaces.

EXHIBITION CORE IDEA

Sound is always part of architectural space and is even made visible by patterns, making sound and architecture a single unit.

EXHIBITION OUTLINE

Before entering the building guests will be greeted by a solar sound exhibit featuring new soundscapes created by available sunlight and shadows cast by adjacent buildings. Within, the exhibition will be divided into two main sections with a transitional area in between. The smaller of the two main areas will be the setting for a brief history of sound spaces. This hall will feature three large sound installations progressing from passive to active, namely, an echo chamber-like cave, a resonant cathedral space and the SoundPipe, a structure to be sounded by the visitor.

Between the main sections is a hallway for gathering information explicitly. This will feature many plaques and artfully arranged centers of written information, accompanied by objects and scale models to support the text. Notably, this section includes scale models of buildings designed to look like music or sound, an interactive series of displays allowing the guest to match period architectural moulding to period music and another interactive object which visualizes the composition and rhythm found in architecture from ancient worlds to today.

Exemplifying the concept of sound-space, the largest exhibit hall fully synthesizes a notion of the inseparability of sound and architecture. Here the visitor finds an entirely resonant space with specifically designed installations that augment or limit the flow of sound. There are quiet spaces as well as loud areas. The hall, comprised of these areas, is at once an installation itself. And, depending on where the guest enters or exits, they encounter a playable version of the exterior solar sound exhibit, bringing the outdoors in and bridging the gap between sound and architecture.

Phase 01



Sound wall bxh 3.5′ x 3.2′

A.04



Lightrail bxh 21'x 14.5'

A.05



SoniColumn bxh 2.4′ x 6.0′

A.16



Whispering gallery bxh 20' x 20'

A.08



Surround sound room bxh 25.0′ x 25.0′

A.14



Solar Sound boxes bxh 22" x 22" (each)

A.13



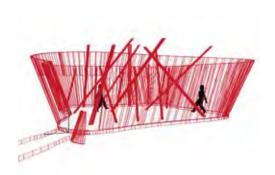
Anechoic chamber bxh 14' x 12'

A.12 A.11



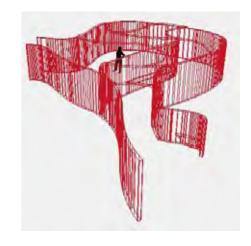
Playing the building bxh 24' x 12'

A.07 A.09



Soundpipes bxh 27' x 27'

A.03



Sensor-room bxh 18' x 20'

A.06



Braun Pocket Radio bxh 3" x 2"

B.01



Avid Volvano Turntable bxh 18" x 18"

B.05



Stretto House placard bxh 36" x 45"

C.03



Braun Sk O5 bxh 26" x 14"

B.03



Technics MK 1200 bxh 22.0" x 18.5"

B.06



Phillips pavilion placard bxh 36" x 45"

C.04



Braun Sk 002 bxh 6" x 3.5"

B.05



Structure-borne speaker (integrated in Installation Size varies

A.06



Facade-frequency placard bxh 36" x 45"

C.05



Sonic Chair bxh 48" x 72"

B.07



Grammophone bxh 19.5" x 19.5"

B.05



Touch pad for "Facade-Beat Wall"

A.10

bxh 20" x 18"



Composition placard bxh 36" x 45"

C.06



Pulse Light bxh 28" x 28"

A.15

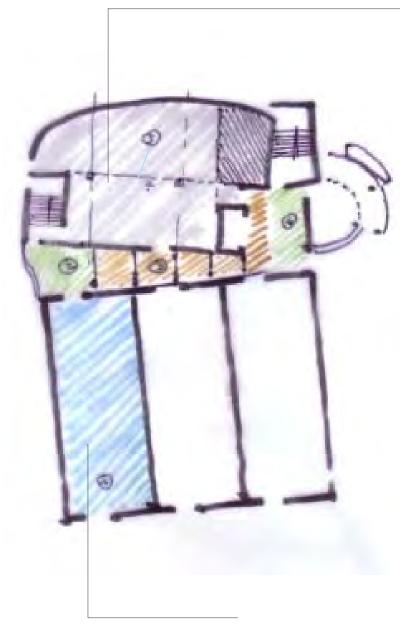


Sound pile - speaker diameter 10"

B.06

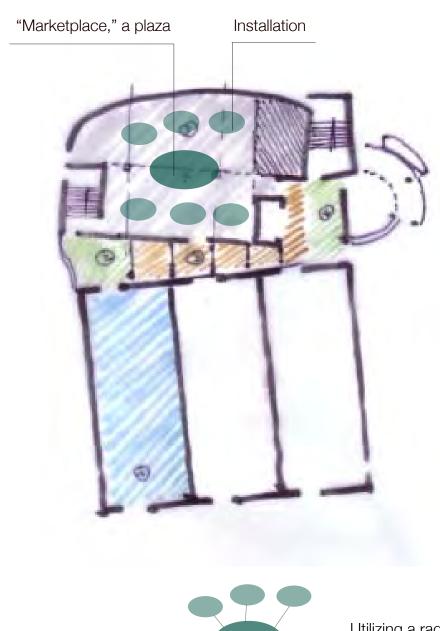
Implicit information

Engaging with installations on your own Having a conversation with other people



Explicit information

Basic relay of information such as reading text





Utilizing a radial plan, the installations would occur around a central, unifying plaza

The Exhibition is divided into areas of implicit and explicit learning. The implicit areas suggest a fully interactive environment where guests can learn by doing. There is no limit to perceived content in these spaces. The explicit area focuses on making connections by guiding the visitor with text and imagery, so they are prepared to fully engage the implicit environment.

apparent that all spaces can represent sound in various ways. This area features a mezzanine as well for a heavenly perspective into the cathedral

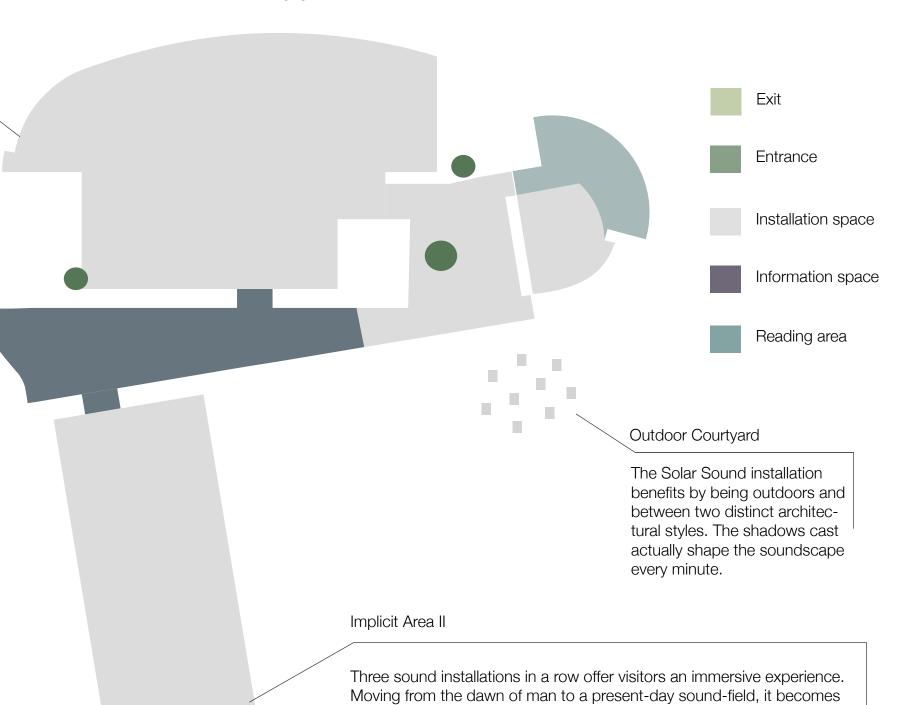
Implicit Area I

Among the exhibits visitors can explore a motion-controlled soundscape, a bridge unit that responds with light and sound, a whispering gallery, an anechoic chamber and a SoniColumn that responds to touch with music. This area also utilizes a mezzanine to access "Playing the building."

Explicit Area

Leaving either implicit hall, guests find themselves in this hallway for the visual learner, the walls of which are adorned with interactive displays and placards designed to reinforce the connection between sound and architecture.





and over the other installations.

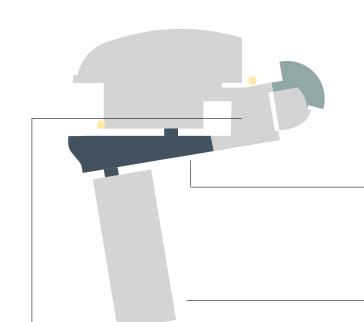
Spatial Planning - Elaborated Concept

Scale-model Photographs

Upon exiting the elevator guests are met by a reprise of the Solar Sound exhibit and a title wall (photo 1)

Large installations and a mezzanine line Implicit Area I, with a vista to the Explicit area (photo 2)

Smaller objects and displays fill the Explicit area (photo 3)









Implicit area II (2)



Explicit area (3)

Phase 02

Installations

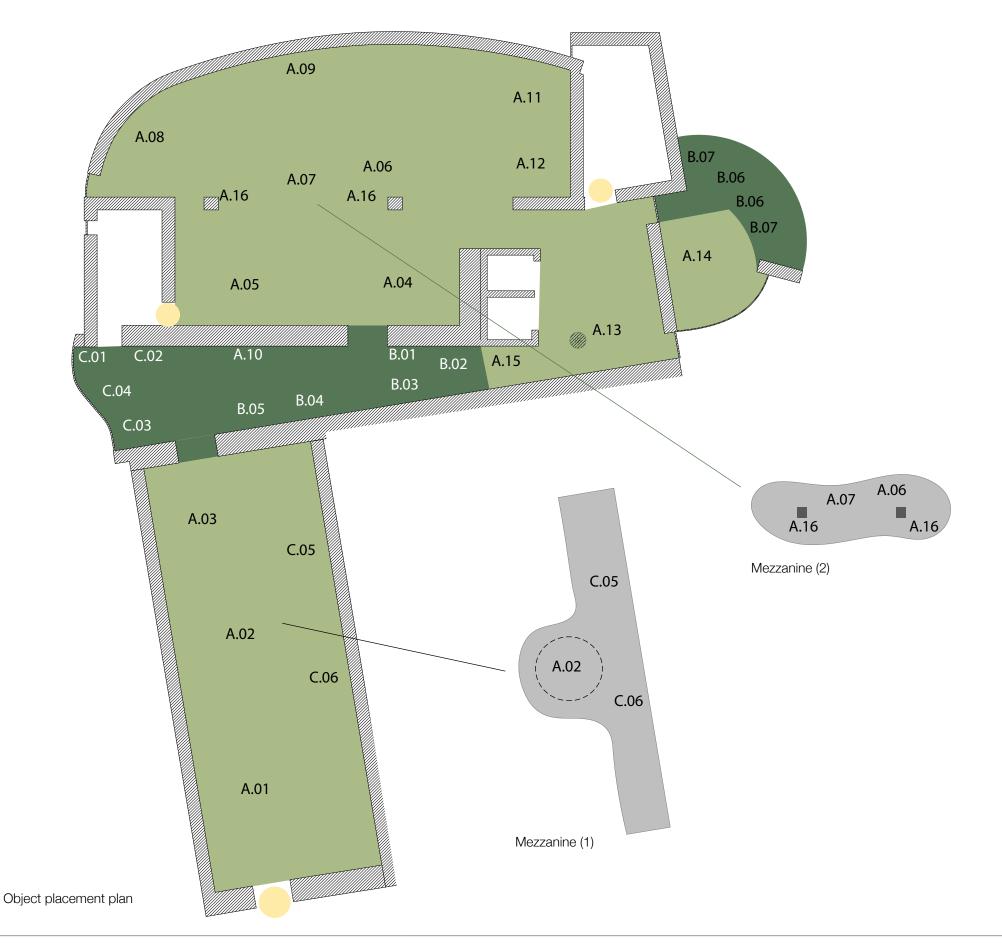
- A.01 Cave
- A.02 Church
- A.03 Soundpipes
- A.04 Soundwall
- A.05 Lightrail
- A.06 Sensor room
- A.07 Playing the building 1
- A.08 Whispering gallery
- A.09 Playing the building 2
- A.10 Interactive wall
- A.11 Anechoic Chamber 1
- A.12 Anechoic Chamber 2
- A.13 Sunboxes
- A.14 Surround room
- A.15 Pulselight
- A.16 SoniColumn

Objects

- B.01 Braun Radio
- B.02 Braun Sk5
- B.03 Grammophone
- B.04 Avid Turntable
- B.05 Technics Mk 1200
- B.06 Sonic Chair
- B.07 Sound pile

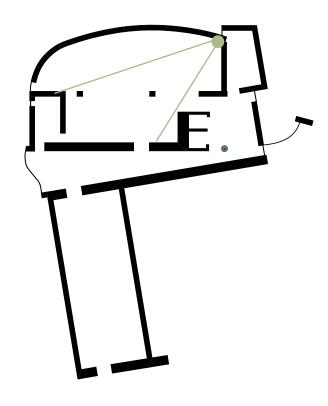
Placards and Scale models

- C.01 Building scale
- C.02 Rhythm of a facade
- C.03 Stretto house
- C.04 Philips pavilion
- C.05 Frequency-Facade
- C.06 Composition



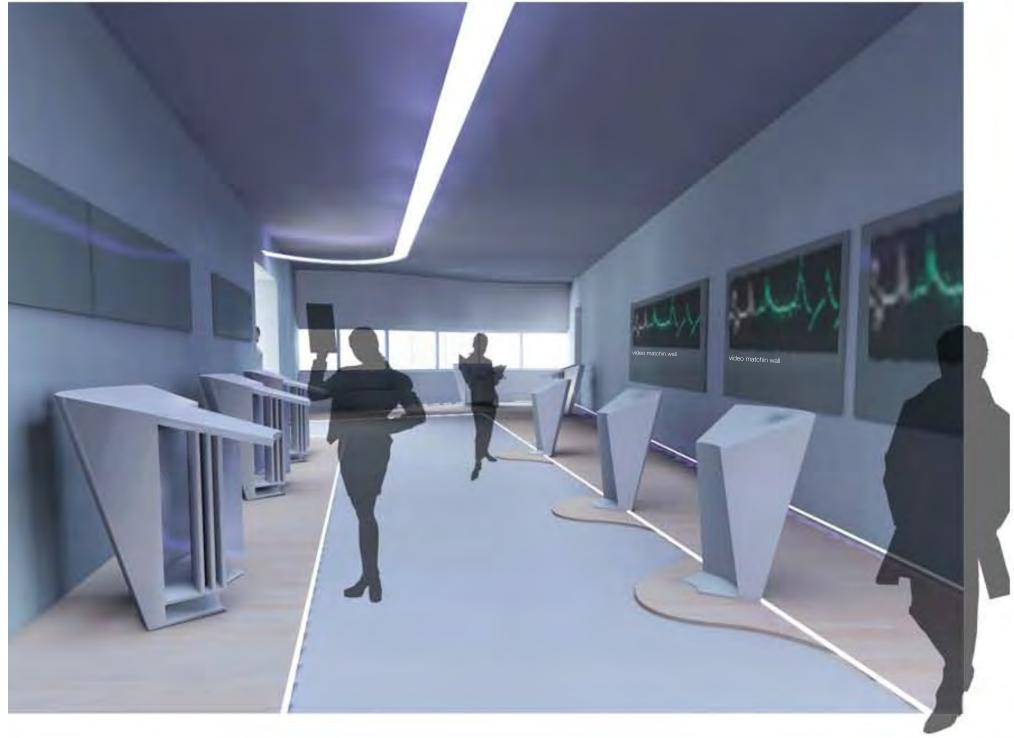


Rendering 1

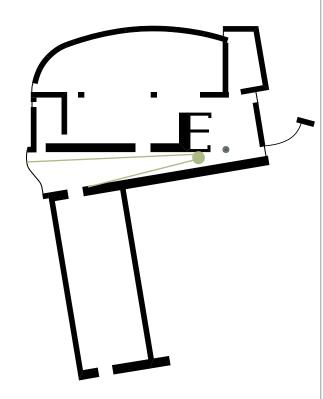


View 1

This view faces the mezzanine and Sensor room, showing Implicit Area I. Upon the mezzanine the visitor can observe the entire space from above. The structure for "Playing the building" generates a room within a room and provides seating as well. A change of materials (carpets, sound shields) guides the visitor through the exhibition.



Rendering 2

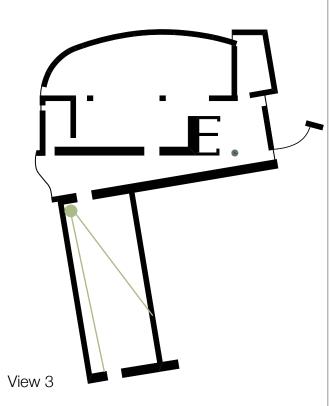


View 2

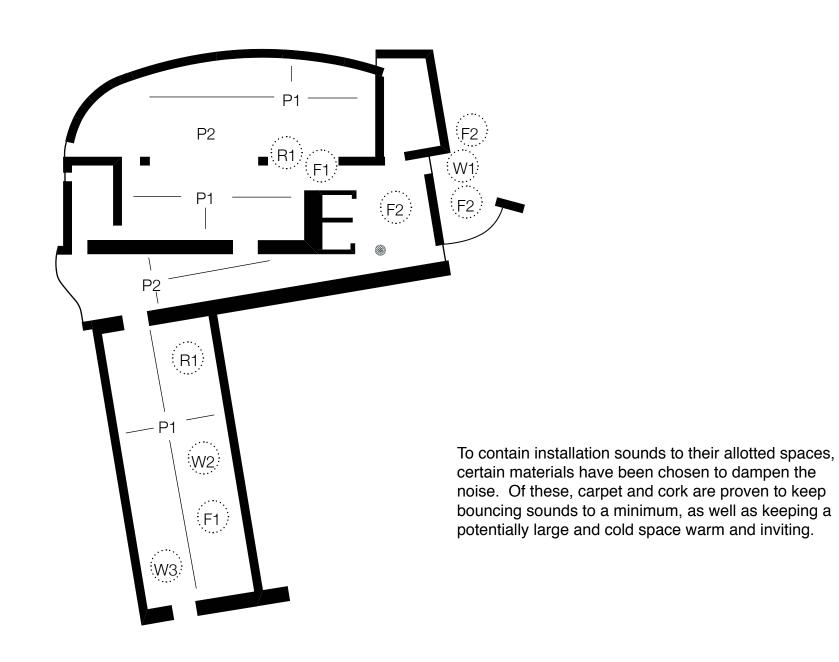
Low platforms generate a border between the walkway and spaces for objects. Exhibition furniture provides points to interface with the interactive displays on the walls, and a curved light suggests the flow of traffic for visitors passing through this room.



Rendering 3



The mezzanine in Implicit Area II allows people to experience the installations from different heights and perspectives. The curving layout provides order and allows circulation around and between areas. Measures to isolate sound have been taken in this room. They include sound shields, baffles, and furs at the mouth of the cave.





Railings
Stainless Steel
F1
Looped Nylon and Wool
F2
Unsealed, Contemporary Cork
3/16 in. thickness

R1

COLORS			TYPOGRAPHY	DESCRIPTION
	c: 82 y: 65	m: 63 k: 73	Helvetica Bold 0123456789 abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ	Helvetica Bold - As a Title and Header text, Helvetica Bold is a classically neutral typeface with great clarity. There is a crispness in these characters which match but do not overwhelm the bold shapes found in the promotional graphics. By using a standard typeface the exhibit can focus on more aural delights.
	c: 36 y: 56	m: 15 k: 0.0	Helvetica Neue Light 0123456789 abcdefghijklmnopqrstuvwxyz	Helvetica Neue Light - As a Section text Helvetica Neue Light is a basic informational text used throughout the explicit and implicit areas. There is much comfort in the character's regularity and curvature.
	c: 6 y: 13	m: 3 k: 0.0	ABCDEFGHIJKLMNOPQRSTUVWXYZ Helvetica 0123456789 abcdefghijklmnopqrstuvwxyz	Helvetica Regular - Helvetica Regular bridges the gap between bold and light texts and, for this reason, is ideal for use as a subtitle or sub-heading.
	c: 43 y: 84	m: 85 k: 68	ABCDEFGHIJKLMNOPQRSTUVWXYZ	
	c: 83 y: 82	m: 34 k: 21	Helvetica Oblique 0123456789 abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ	Helvetica Oblique - Specifically used for materials labeling on object labels, this is a standard italic typeface used to express facts that may otherwise be encapsulated by parentheses.

Helvetica Bold

Size - 48 Point

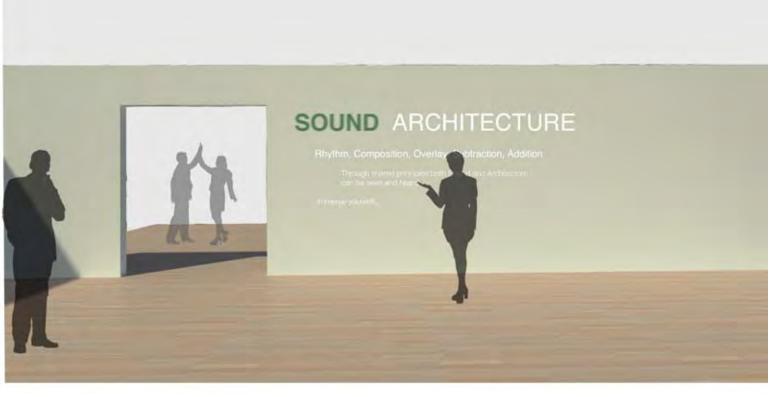
Phase 04

Anechoic Chamber 1942

Concrete, Acoustically Absorbent Material, Steel Mesh

Anechoic means "without echoes." An anechoic chamber is a room with special walls that absorb sound, simulating an open space of infinite dimension. The special walls reflect sound energy, dissipating it as vibrations in the wedge material rather than into the air. The world's first wedge-based anechoic chamber was built in 1940 at Bell Labs in New Jersey and also distinguished itself as the quietest room in the world. Research in anechoic chambers regarding the specific ways in which the human head reflects sound energy has lead to the development of speakers that project virtual sound around the listener.





The title wall (in situ, left) serves to identify the core idea of the exhibition in a quick and intriguing manner.

180"

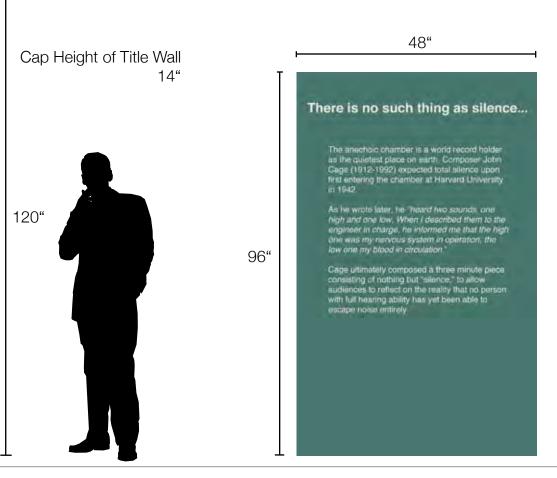
The section text (below) provides an overview of the installation and further interprets information left out of the object label.

SOUND ARCHITECTURE

Rhythm, Composition, Overlay, Subtraction, Addition

Through shared principles both Sound and Architecture can be seen and heard

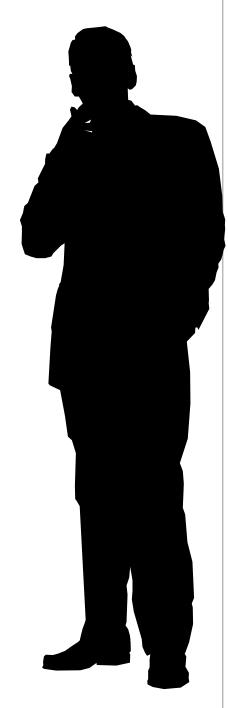
Immerse yourself...





















36"











72"





Velocabs (pedal-powered taxis) operate throughout the downtown Sacramento area, particularly around Old Sacramento which is blocks away from the Crocker Art Museum. An advertisement on this form of transportation, open to the elements, seems especially appropriate.

42" 60" OUND ARCHITECTURE CROCKER art museum ot.06.2010 - 04.28.2010

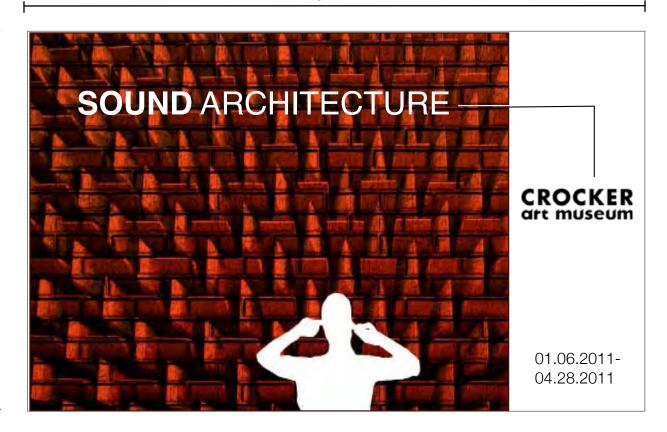
78"





A simple postcard with a layered graphic displaying sound baffles and brickwork will be sent to museum patrons. Intended to fit in one's pocket, the postcard will also be available at local retail stores and tourist information kiosks. As the single counterpoint to a green color palette and to further contextualize the unity of sound and architecture, the brick graphic is allowed to remain an eye-catching red.

6"



4 1/2"

CROCKERart museum

216 O Street Sacramento CA, 95814-5324

SOUND ARCHITECTURE -

Frozen in time, sound is always part of architectural space and is even made visible by patterns, making sound and architecture a single unit to be seen and heard.

Join us @ Crocker Art museum for an unforgettable sensory experience.

January 6, 2011 - April 28, 2011

Non-Profit US Postage PAID Permit No 550

Jane Doe 123 Plain street Sacramento, CA 95825

Front Back

