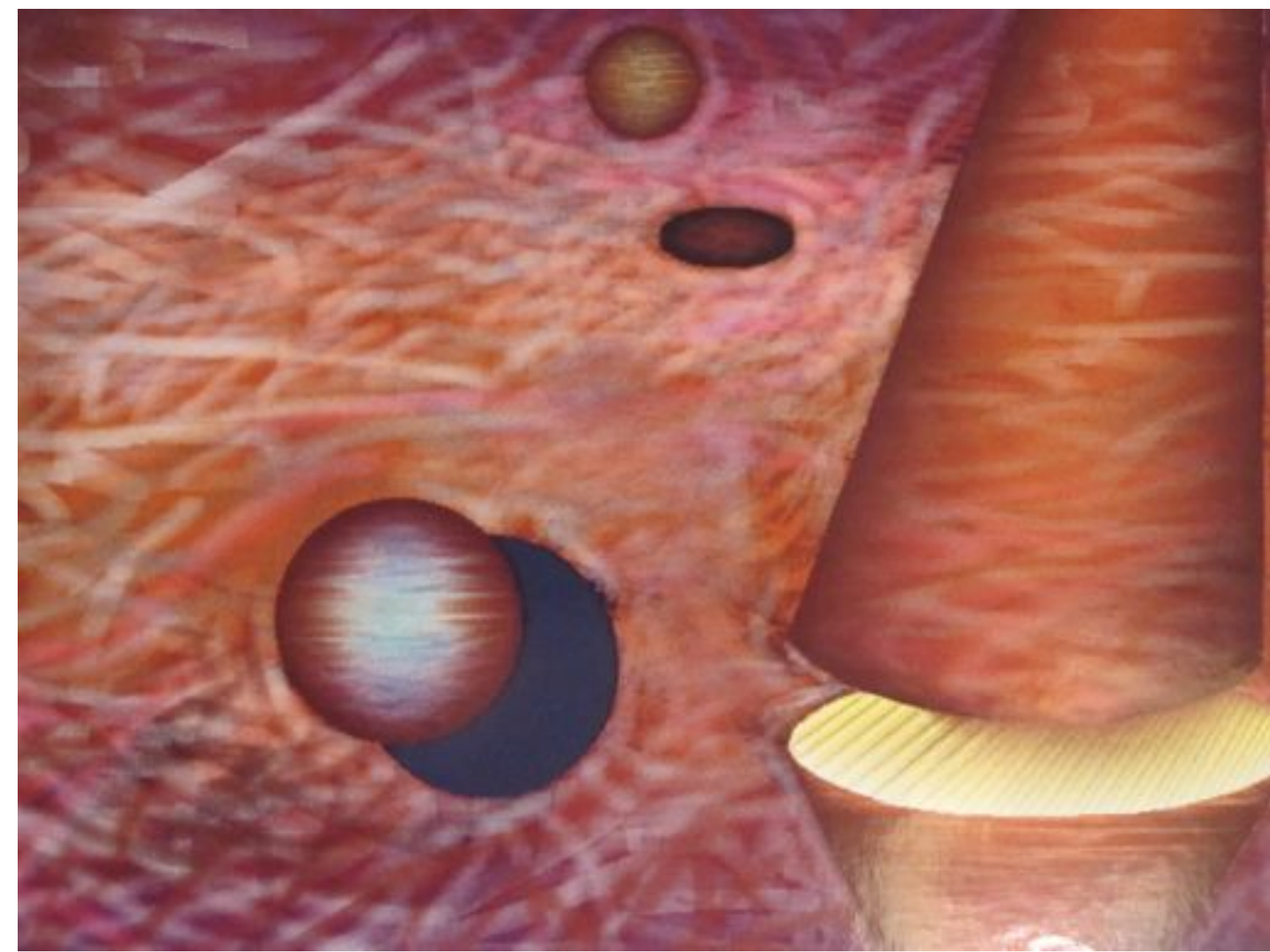


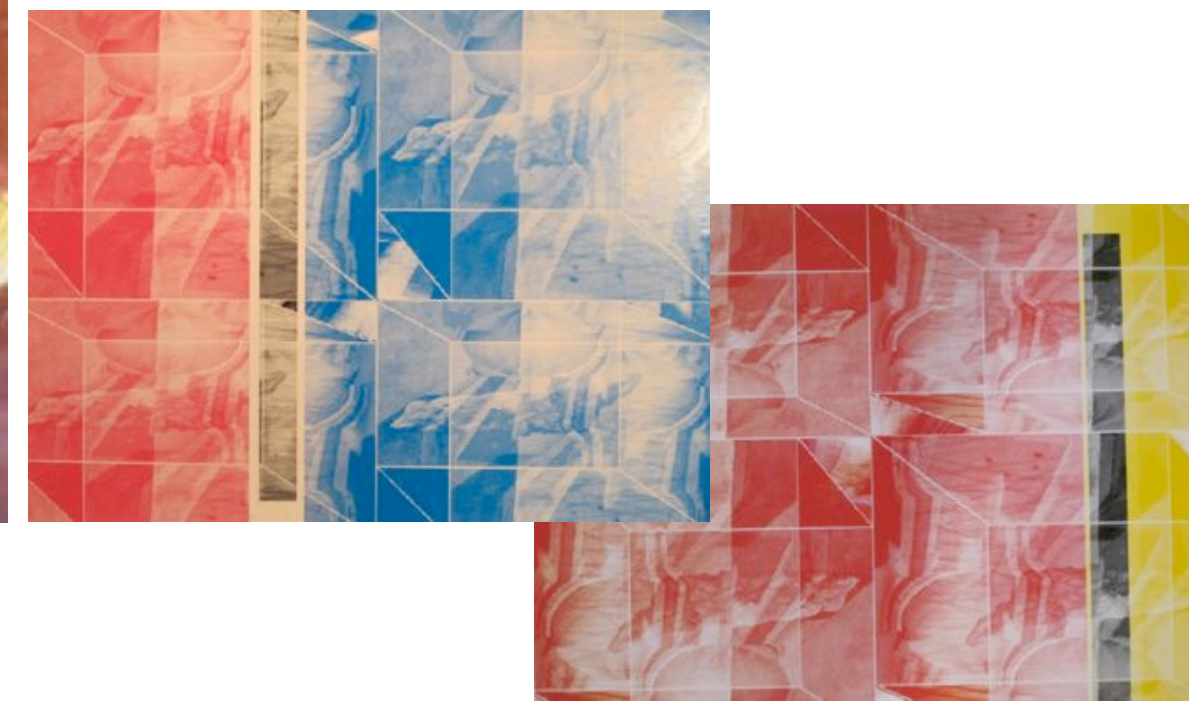
# Science/Art Museum



# SCIENCE ↔ ART MUSEUM ATRIUM INCARNATION

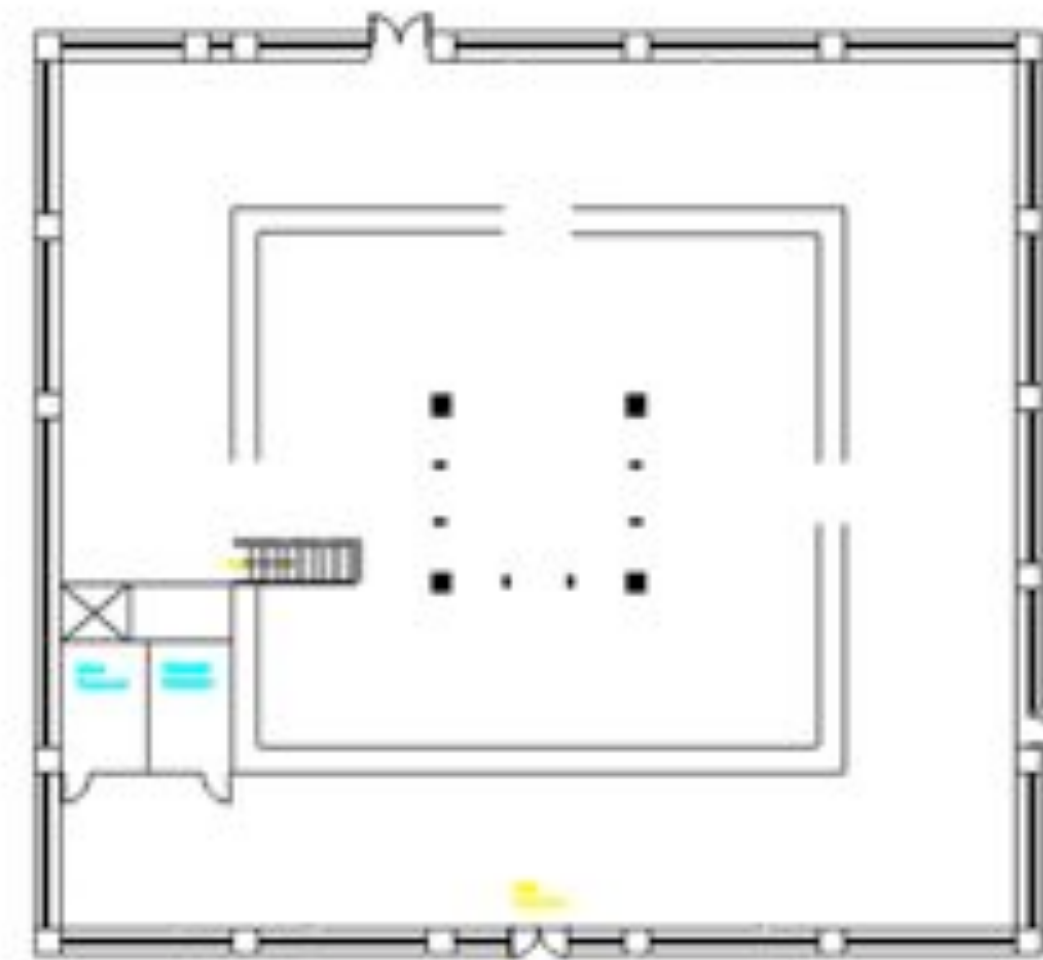


STILL FROM: WHAT IS THE SHAPE OF SPACE EXHIBIT

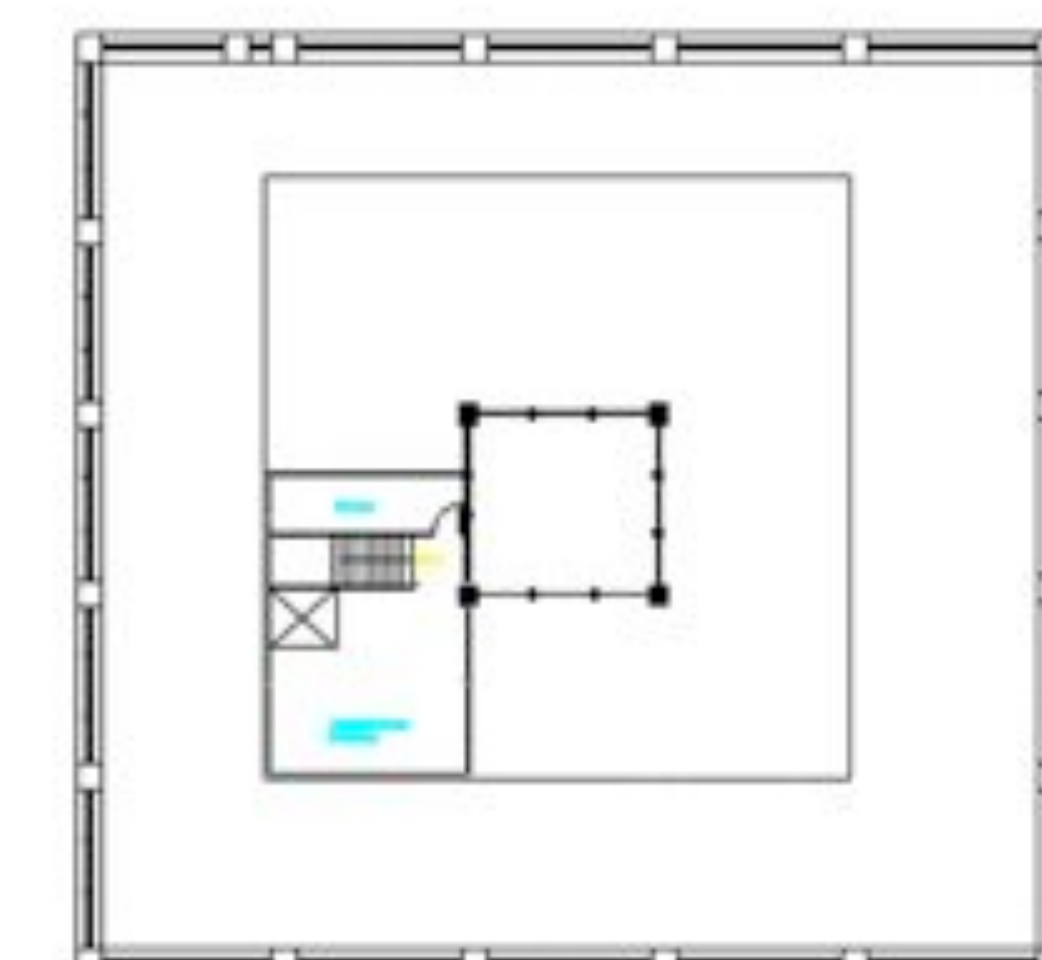


STILL FROM: WHAT IS THE SHAPE OF SPACE EXHIBIT

THE PURPOSE OF THIS CATALYTIC PROJECT IS TO PRESERVE THE EXTERIOR OF THE ATRIUM BUILDING WHILE RE-PURPOSING THE INTERIOR AS A SCIENCE ↔ ART MUSEUM.



GROUND FLOOR  
AFTER RENOVATION  
N  
W E  
S



SECOND FLOOR  
AFTER RENOVATION  
N  
W E  
S

THE SCIENCE ↔ ART MUSEUM WILL :

- BE UNIQUE TO BOULDER
- FOSTER INNOVATION IN SCIENCE AND TECHNOLOGY WITH THE ARTS
- BE A CATALYST FOR EDUCATION IN SCIENCE CULTURE AND THE ARTS



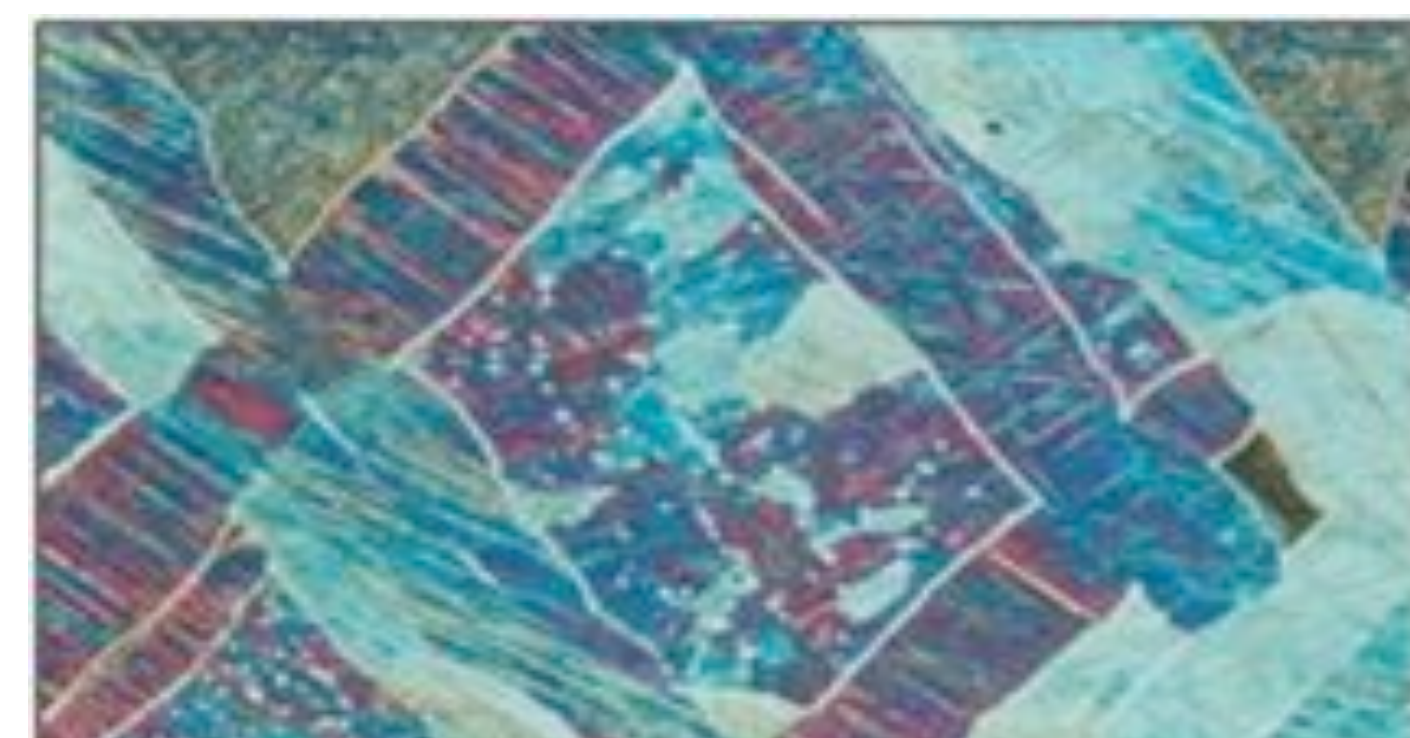
THE ATRIUM BUILDING AND ITS NEAREST NEIGHBOR, THE DUSHANBE TEAHOUSE

THE SCIENCE ↔ ART MUSEUM WILL :

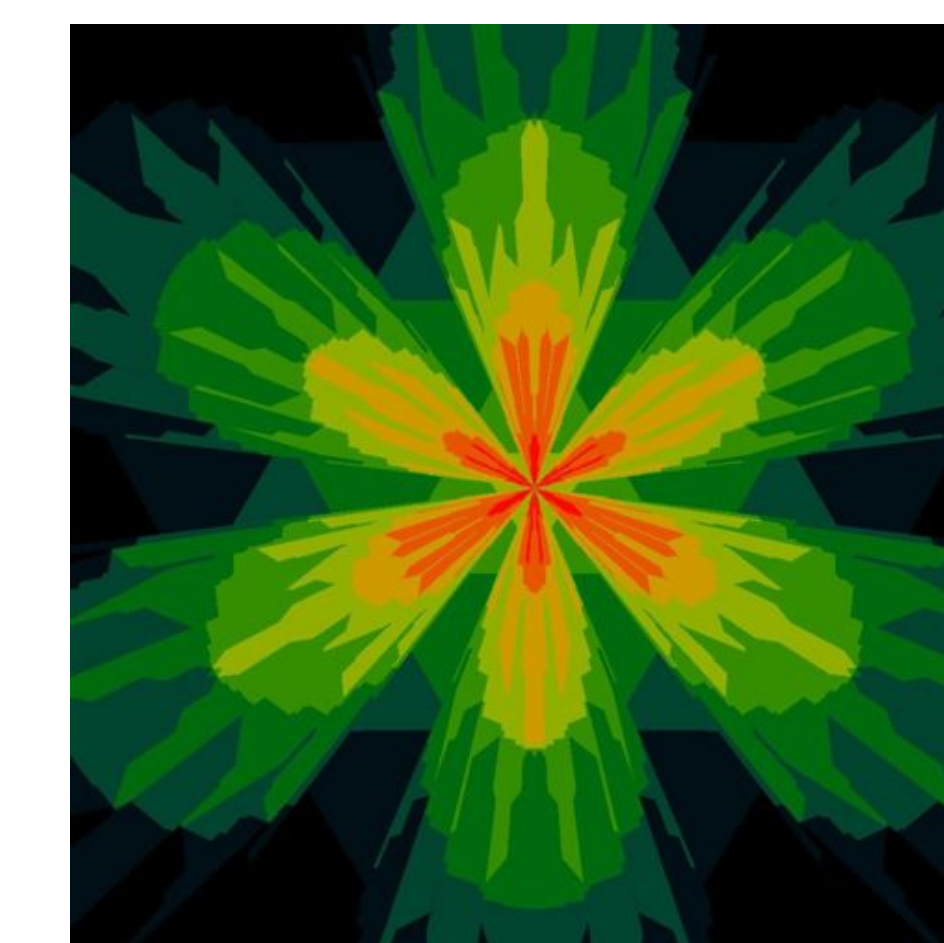
- USE EXISTING ASSETS
- PRESERVE BOULDER'S HISTORY
- FURTHER BOULDER'S SENSE OF PLACE



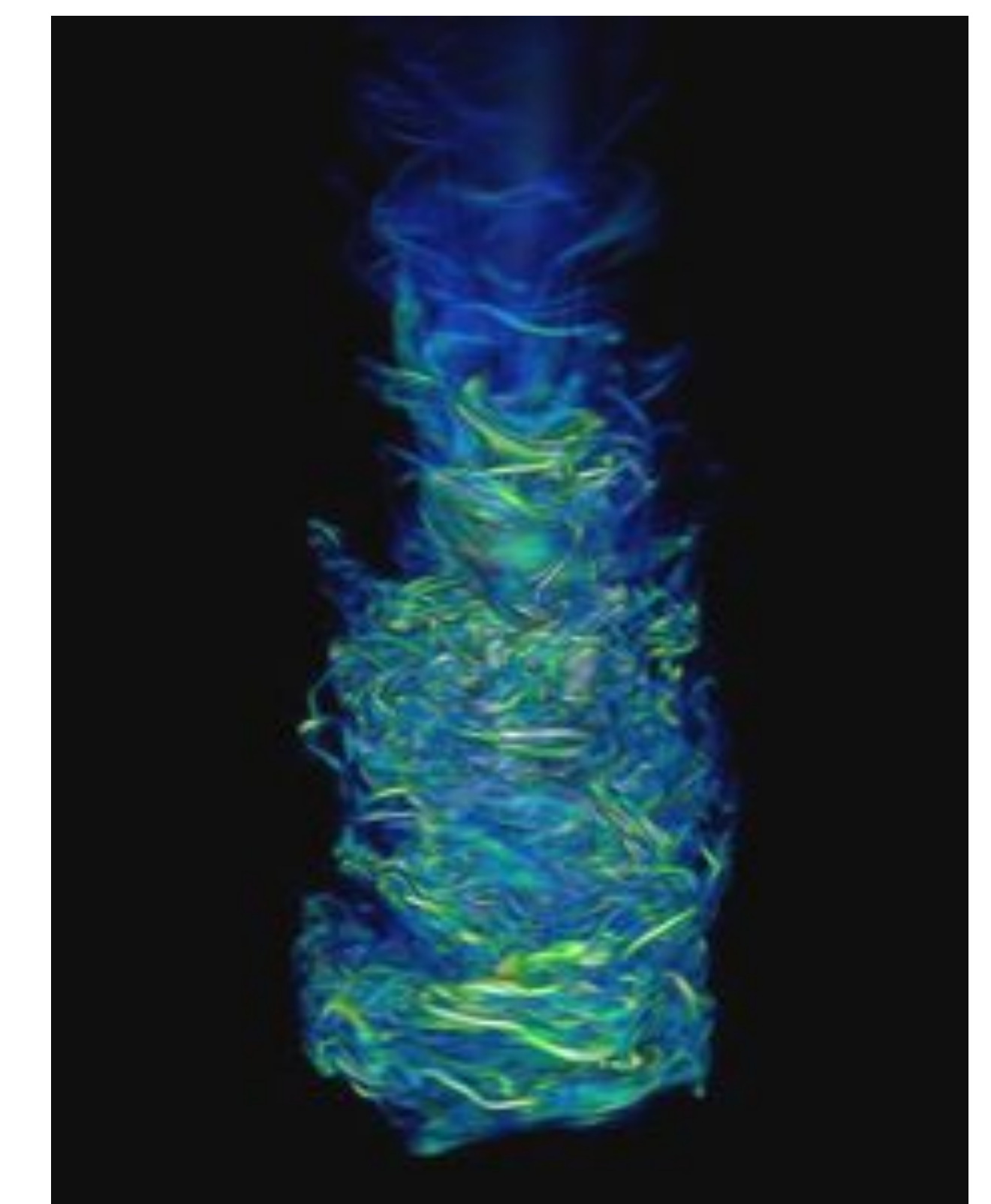
SELF CLOSING FLOOD BARRIER  
TO PROTECT SAFETY OF LIFE AND PROPERTY



MICROGRAPH CROSS SECTION OF CAST IRON FROM  
THE DOME OF THE US CAPITAL BUILDING



CALCULATED RAY TRACE OF THE  
OPTICAL ABSORPTION LOOKING  
INTO A REFLECTIVE CONE



BOTTLE IN A TRANSPORTER  
LASP SOLAR DATA





# 1 Science/Art Museum

Atrium Building

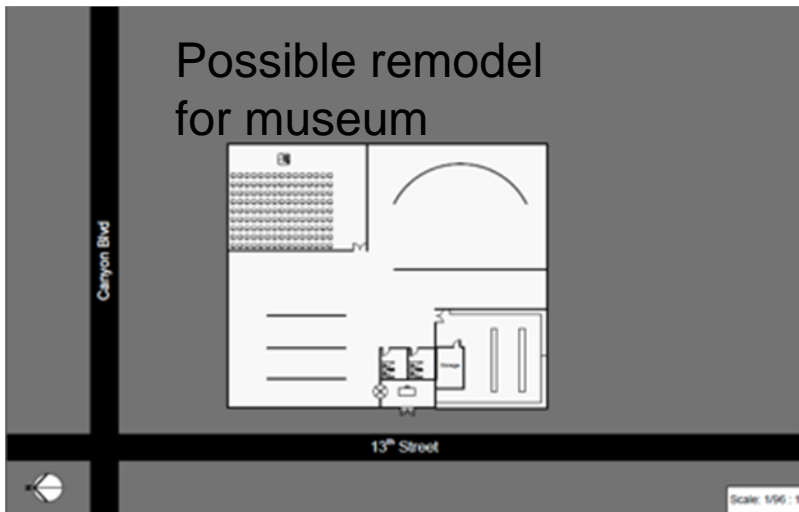


## Overview

This project would be a CATALYST in many ways:

- An initial realization of a science-art museum that would unify two of the most productive communities in Boulder: the scientific/technical and the artistic.
- A significant facility that would educate and enlighten our community about the impact of science on Boulder and the world.
- As an impetus toward appreciation of the historical assets of the Civic Area.

Possible remodel for museum



Location: \_\_\_\_\_

Submission No: \_\_\_\_\_ (Organizer Use Only)

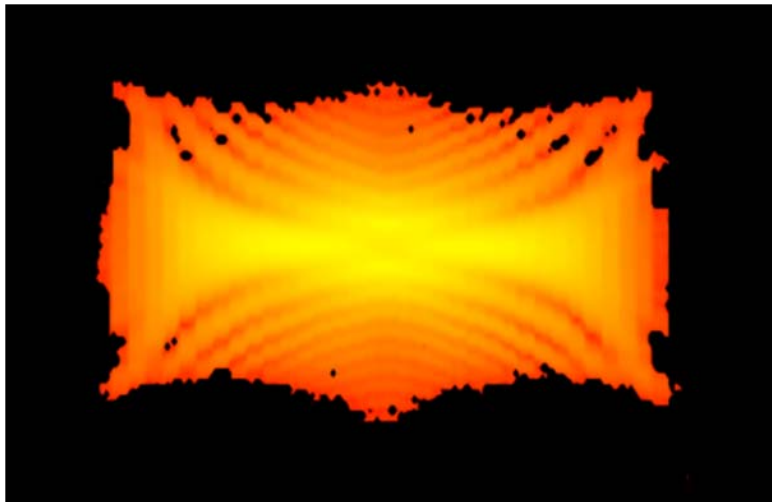




## 2 Science/Art Museum

### Approach

Northwest corner remodel of interactive exhibit gallery



optical gating spectrogram

Two of the most productive communities of interest in Boulder are the scientific/technical and the artistic. Boulder science is cited in local, national and international media daily. The city manager's office proudly displays yearly awards to the Boulder artistic community. The proposed science/art museum will unite in a unique educational facility the creative forces of these two

Location: \_\_\_\_\_

Submission No: \_\_\_\_\_ (Organizer Use Only)





3

## Science/Art Museum

# Why Choose Our Design?

### What about your proposal is innovative or inspirational?

1. This concept of an art/science museum is unique to Boulder.
2. It will substantially encourage interaction between Boulder's sciences and arts resulting in avant-garde art works on display throughout the city.
3. In spite of the fact that Boulder has more scientists per capita than any other city in the country, we do not have any public facility for the informal science education of our populace.
4. By preserving the historically significant exterior of the Atrium Building, we will be preserving existing assets and celebrating Boulder's history.
5. This new museum in the Civic Area will be an anchor for other cultural and community activities on this block.
6. This museum will support activities investigating a sustainable future for our community and the globe.

Submission No: \_\_\_\_\_ (Organizer Use Only)

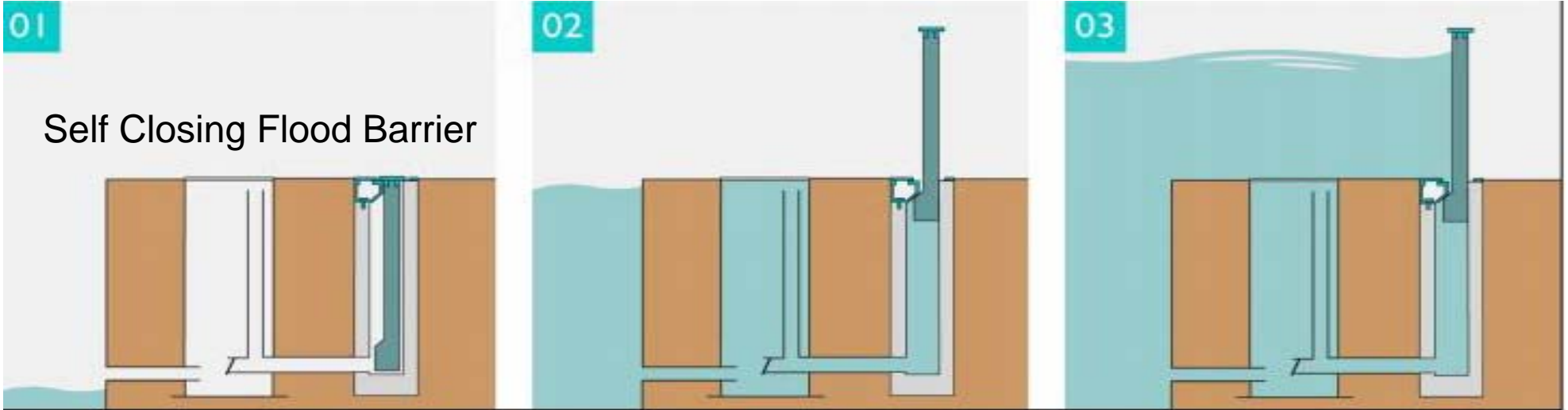




# 4

# Required Principle: Life and Property Safety

Project Title: Science/Art Museum



We considered several flood protection strategies before arriving at the final recommendation. With the estimated depth of the floodwaters at an elevation of 5350 feet, and the estimated elevation of the foundation of the Atrium Building at 5346 feet, we estimate that the depth of the water at the building will be approximately four feet at its peak.

Therefore we believe that the Self Closing Flood Barrier will be a highly effective device in the event of a hundred -year flood.







5

# Required Principle: Outdoor Culture and Nature

Project Title: Science/Art Museum



We will naturally cooperate and coordinate with other participants and users of the Civic Area in highlighting and educating about the outdoor-culture aspects of their activities. We fully intend to work with formal, structured and informal users of the entire space to assist them in their efforts to understand the environment, the natural world and Boulder's place in it.

Once public art installations are created by the museum we will offer them for display in appropriate sites throughout the civic area.

Submission No: \_\_\_\_\_ (Organizer Use Only)





6

# Additional Principle of Choice 1:

## Principle 4 – Celebration of History and Existing Assets

Project Title: Science/Art Museum



The Atrium Building in which we propose to install the Science/Art Museum was built by Hobart Wagener in the early 1970's. We intend to preserve the outside intact and re-purpose the interior as a state-of-the-art, interactive museum. Although our programming will focus on current scientific developments, any educational or interpretive exhibit design will incorporate pertinent information about indigenous populations, mining and local history.

Submission No: \_\_\_\_\_ (Organizer Use Only)







# Project Implementation Approach

7

## Project Title: Science/Art Museum

The proposed Science-Art Museum would involve space planning and the redesign of the Atrium Building. The intent would be to create a “living” museum which, among other of it’s functions, would be a forum where artists and scientists can collaborate and explore. It would be supported by the participation and resources of individuals and the many businesses, science and educational institutions here.

The approach to the design, given space and budget constraints, presents a Museum operated by the proposer – a science-art museum organization which is also a non-profit educational organization. There are many groups in the community with which we could partner such as technology-based businesses which would generate substantial income.

Using the \$300,000 award and coordinating with the City of Boulder’s Facilities and Asset Management Department, the project would establish a Science-Art Museum that, over time, would grow and develop facilities, meeting rooms and exhibitions within the Atrium Building. Artworks in many media would be offered to businesses for a fee which could generate a substantial income for the museum. Other pieces could become part of a growing body of artworks on display in public spaces such as the library, the Municipal building or our green outdoor places.







# Additional Principle of Choice 2: The Civic Heart of Boulder

9

Project Title: Science/Art Museum



Panoramic view from Atrium Building to Atrium Building  
Note the proximity of the Atrium Building to the Dushanbe Teahouse



Ceiling Ornamentation  
of the  
Dushanbe Teahouse

The purpose and intention of this Civic Area endeavor on which we are currently engaged is to celebrate and augment existing amenities and acknowledge our city's rich and productive heritage. There are already several spectacular assets on this seminal block.

The proposed Science/Art Museum will educate our populace and visitors and illuminate our city's culture through it's unique unification of our science and arts in all their diversity.

Submission No: \_\_\_\_\_ (Organizer Use Only)



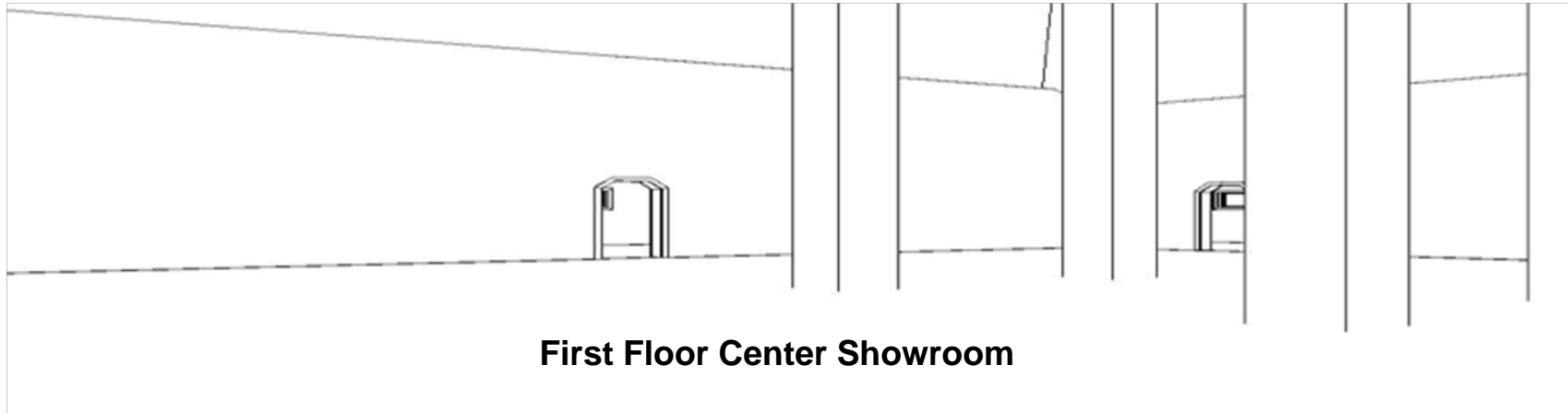




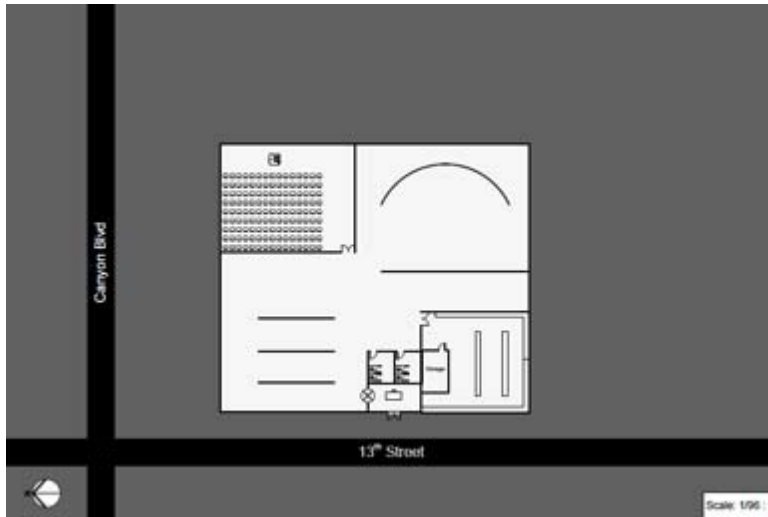
10

# Additional Principle of Choice 3: A Place for new community activity and arts

Project Title: Science/Art Museum



First Floor Center Showroom



Suggested 1<sup>st</sup> floor Remodel including Auditorium

Boulder, CO has more science activity per capita than any other community in the United States. We are a highly educated city that values innovation and education.

YET WE HAVE NO SCIENCE MUSEUM HERE.

Therefore, it would be inevitable that a Science/Art Museum will encourage heretofore unavailable activity year-round throughout the day and into the evening. In fact, a couple of preliminary feasibility studies have indicated that 97% of the community supports and would participate in activities at a Science/Art Museum.

Submission No: \_\_\_\_\_ (Organizer Use Only)

