LOOKING NORTHEAST

1: deterioration of
+ leaving a residue that

To create an architecture with inherent entropic value

an exploration of a degenerative architecture and its residual possibilities

function is diminished or its struc

Degenerative

swales of snow cover the cabin's outline, tracing the pa

species. In the summ

Discretionary considerations

movement, remediation, temporalities in vegetation

Outdoor

Indoor

BASIC PARAMETERS

superfund site hold historical value, and draw tourist dollars, they are also evidence of chaos, of entropy induced by man, which requires attention

leachtate, due to mining activity over the past 150 years . Season after season, set in an alpine environment of 10,600 ft. altitude and heavy

The mountains of Colorado, including Leadville, are riddled with old, dilapidated

DESIGN CHALLENGE

: Pathway(s), Native Landscape / Plants, Earth Skin Remediation systems / patterns / organization, Considerations: drainage, planting,

Like a time-release capsule, this cabin is home to its inhabitants for a period of time,

(both a recreation path and strategic piece of the EPA cleanup effort), cross country skiers, bikers and hikers play

Could skin and meta-organizations of multiple structures create a new landscape ecology

phytoremediant

located within the

(natural ability to render contaminated soils harmless) plant

9 yrs

is uncrushed ore.

Waste rock is the

22 yrs

MINERAL BELT TRAIL

Like a time-release capsule, this cabin is home to its inhabitants for a period of time,

er contrasting colors of purple, yellow and green plants highlight the grey and rusty oranges of the tailing piles. In the winter,

phitoremediant

7 yrs

PHYTOSIFTER

allows vegetation to creep through seeking shade and/or nutrients.

Waste-rock piles

would like to mention the

MARMOT HILL

like to mention the

DESTRUCTION

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THE WELDED JOINT

Hypothesis: To build something that can be removed and relocated at the end of its lifespan would ensure minimal impact on the landscape due to the

WELDED JOINT

MOLDED CORNSTARCH RESIN FORMWORK - TO DOUBLE AS INT. FINISH AND INSULATION

RAMMED EARTH: W/ POROUS SANDSTONE AND PLANT SEEDS

RAMMED EARTH: W/ FRIABLE SANDSTONE AND PLANT SEEDS

These concave impressions push up into

= ability to absorb minerals and H2O and turn to solid,

Deep

weather-resistant, porous sandstones. Together these form a solid

Thinnest and most exposed portions will degrade first, causing entropic

made to specification, molded offsite and delivered by truck,

for rammed earth, and 2, left in place as interior walls and mounting

where thickness = < 3 in. (indicator of erosion). Biodegradable and

insulative qualities. Translucent appearance in direct sunlight, especially

A

B

EXT. STORAGE

CARBONATE HILL

LEADVILLE DRAINAGE TUNNEL

TO MARION POND

CEILING IMPRESSIONS HIGHLIGHTED IN YELLOW

REFLECTED CEILING PLAN

SURFACE DIVOTS HIGHLIGHTED IN GREEN

ROOF SKIN DIAGRAMS

This is part

of the study of plant roots, their growth potential, and which parts of the plants

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For this project, a desire to explore the concept of "deterioration" as a form of

and sediment, washed downhill and carried by wind, is deposited in the now

entropy, the wood floor is exposed to sun, wind, water and plant roots, dirt

and crevices. 2, good for filtering pollutants from the surface more than rocks with cracks

Marmots, Grey Jay Camp-robbers, Rocky Mountain Chipmonks, and

EXPLANATION: The cabin is located within the Superfund Site, contaminated by hard metals,

68 yrs

The cabin sits within the California Gulch Superfund

types of sandstone, has the capacity to biodegrade and augment

itself, made of rammed earth, cornstarch resin and different

around its climate. It is placed within the Superfund Site where

Nutrient rich soil and phytoremediant plants begin to augment

the landscape as the cornstarch roof structure and rammed

the landscape.

Site. Contaminated Leachate from hard metals,

3 part

structural floor pannels with insulated

site. Contaminated Leachate from hard metals,

YEAR 1

Rocks with cracks

3 part

structural floor pannels with insulated

YEAR 2

YEAR 3

YEAR 4

cabin. Contaminated Leachate from hard metals, washed downhill and carried by wind, is deposited in the now

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对外部因素

种子

植物