

K-25 Historic Preservation Consulting Parties Meeting



Karen Doughty
K-25 Historic Preservation Coordinator
March 12, 2015



Commitments in the MOA

- ✓ Award a grant to assist in the purchase and rehabilitation of the Alexander Inn (Guest House)
- ✓ Obtain services of a Professional Site Design Team and a Museum Professional
- ✓ Develop listing of available unclassified documents
- ✓ Create Inventory of equipment and artifacts
- Feasibility Study/Survey of the K-25 Slab
- Develop a K-25 Virtual Museum
- Design and Construct an Equipment Building
- Design and Construct a Viewing Tower
- Design and Construct a K-25 History Center in the Fire Station
- Design and Place 12 wayside exhibits
- Document Level 1 Historic American Engineering Records
- Dedicate the footprint of K-25

Equipment and Artifacts Inventory

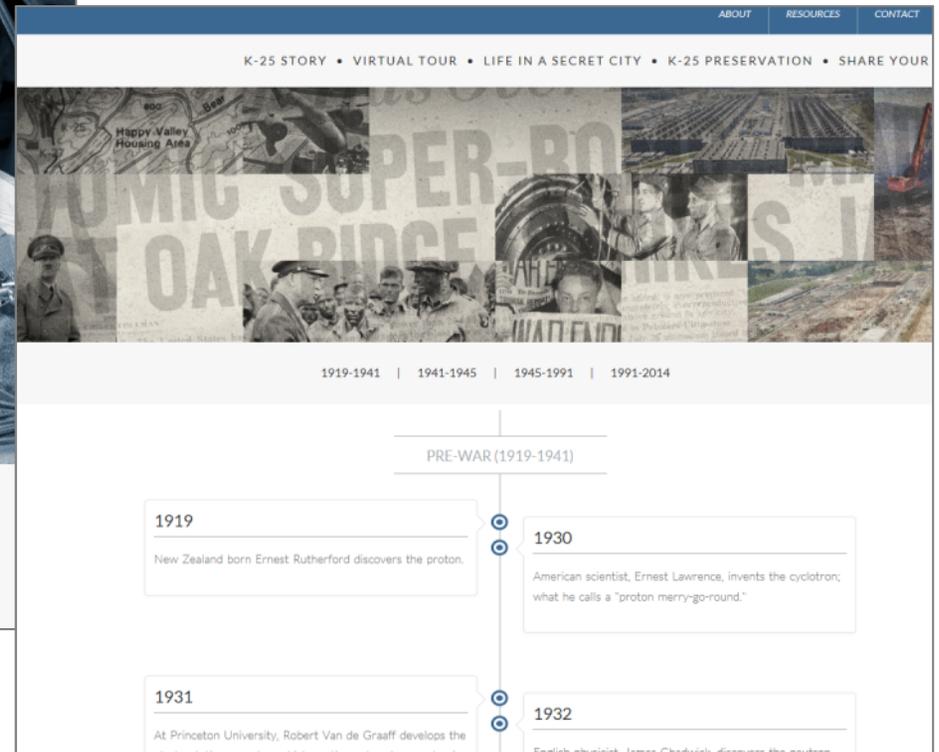
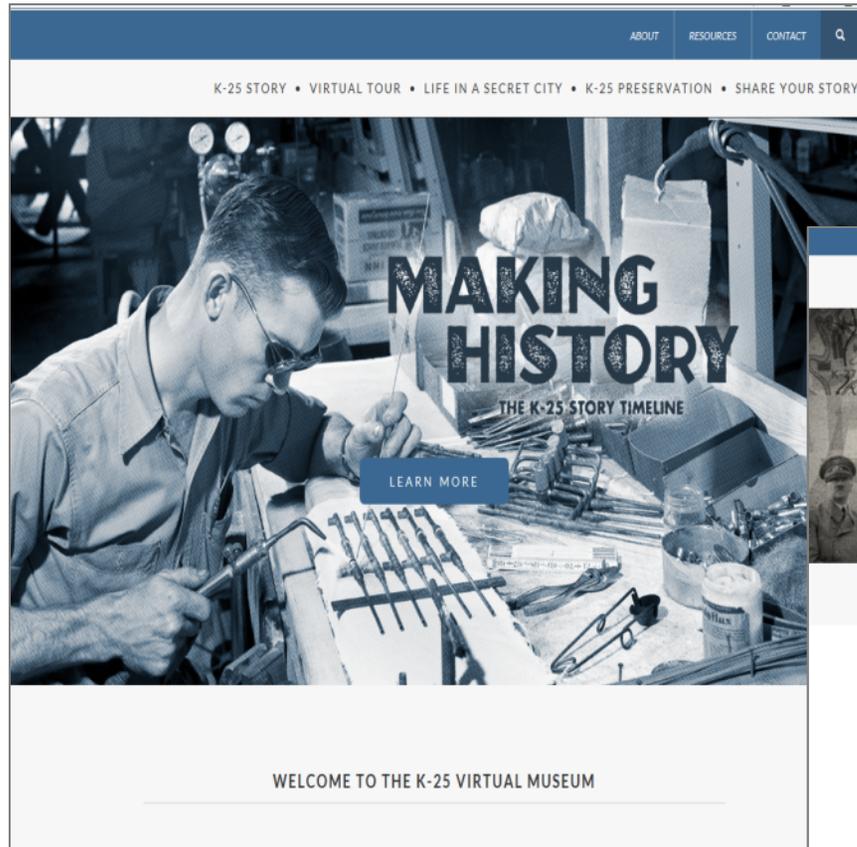
- Final Field Inventory Complete
 - 700 artifacts in storage and available for historic preservation
 - 201 of these items were removed from contaminated process buildings
 - 181 of the 201 items were decontaminated (93%)
- Exemption for Destruction underway for some items



K-25 Virtual Museum

- Activities conducted through a UCOR subcontract with Westside Media, which specializes in:
 - web site design
 - graphic design
 - video production
 - branding/logo design
- K-25 Story Timeline initiated
- Virtual Museum Outline developed and comments received
- Web design concept complete
- Demonstration to Consulting Parties in late spring

K-25 Virtual Museum Design Concept



Slab Feasibility Study



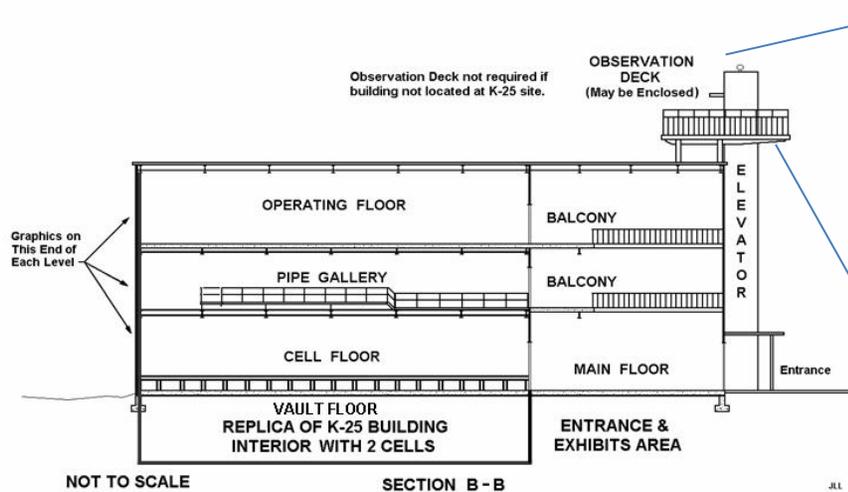
Preservation of the Footprint

- Footprint has been preserved after building demolition
- Purge Cascade area (southern-most 5 units of the East wing) was covered with a removable liner and gravel to prevent contamination spread

Slab Feasibility Study

- Sampling and analysis conducted to determine contamination levels on and beneath the slab
- Evaluate multiple alternatives and costs associated with leaving, covering or removing the slab
- Results to be incorporated into design

Design & Construction Elements



Equipment Building

- Replicates exterior appearance of K-25 structure
- Houses representative cross-section of gaseous diffusion technology
- Design structurally similar to K-25
- Cold War-era technology

Viewing Tower

- View K-25 Preservation Footprint
- Stand alone or part of Equipment Building

History Center

- Manhattan Project era focused
- Ability to add oral histories
- Ability to Access K-25 Virtual Museum

Wayside Exhibits

- Throughout the site
- Location determined in design process



K-25 History Center (Fire Station)

- Personnel and furnishings relocated out of the 2nd level of K-1652 Fire Station to support planned renovations for creation of the K-25 History Center



Site Design Team / Museum Professional



- Team Partners

- Smee + Busby Architects (Lead Architect)
- McCarty Holsaple McCarty (Project Management)
- Hilferty and Associates (Museum Professional)
- Hedstrom Design (Landscape Architect)

How they started....



How they started....

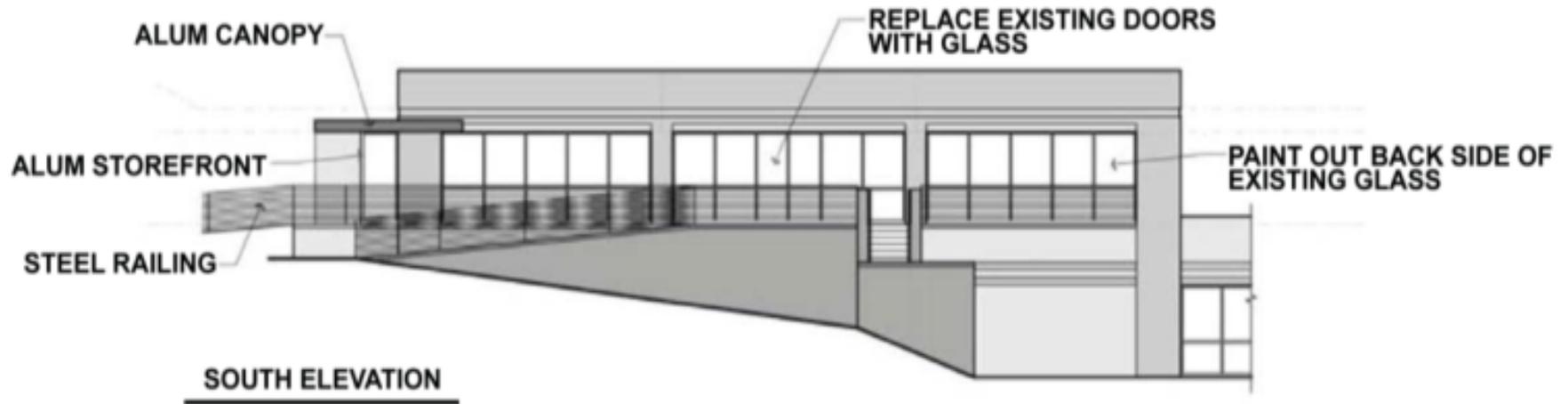


How they started....



History Center Conceptual Design

History Center



History Center



History Center Immersive Orientation Theater



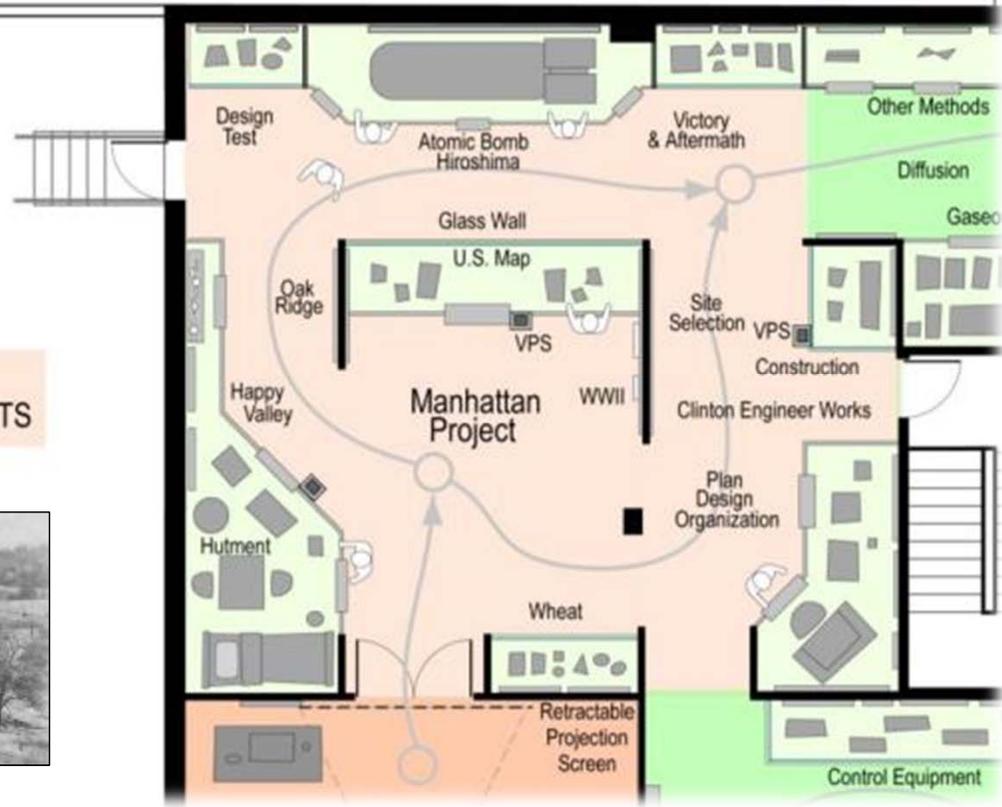
History Center Exhibits



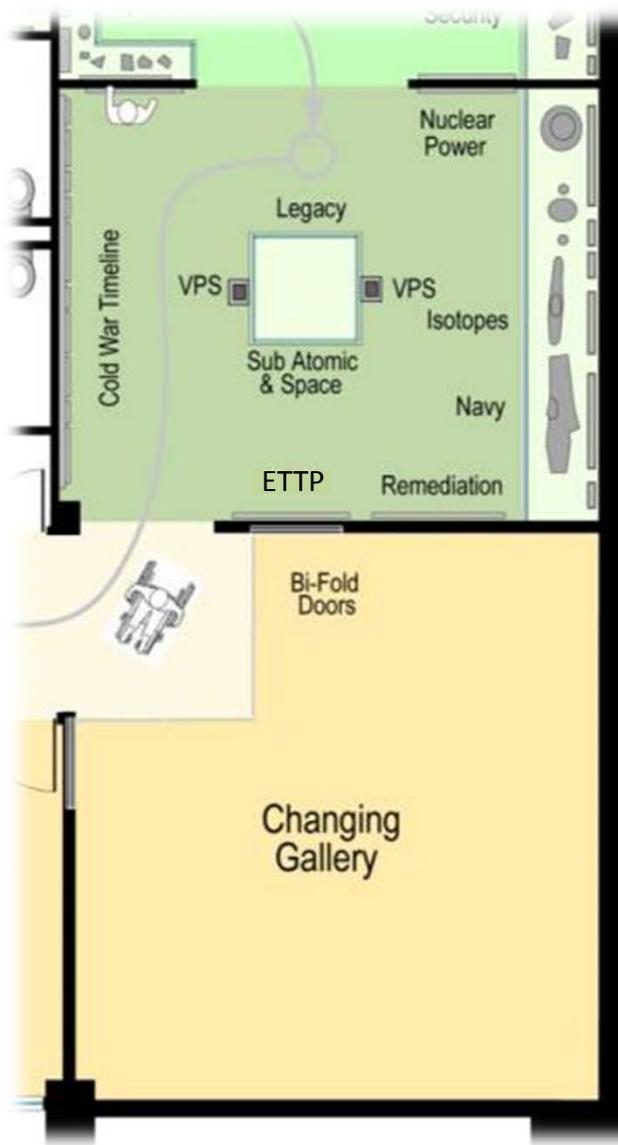
History Center Exhibit Plan



Gallery 4:
HISTORY EXHIBITS



History Center Exhibit Plan



Gallery 6:
CONCLUSION



Gallery 7:
CHANGING GALLERY



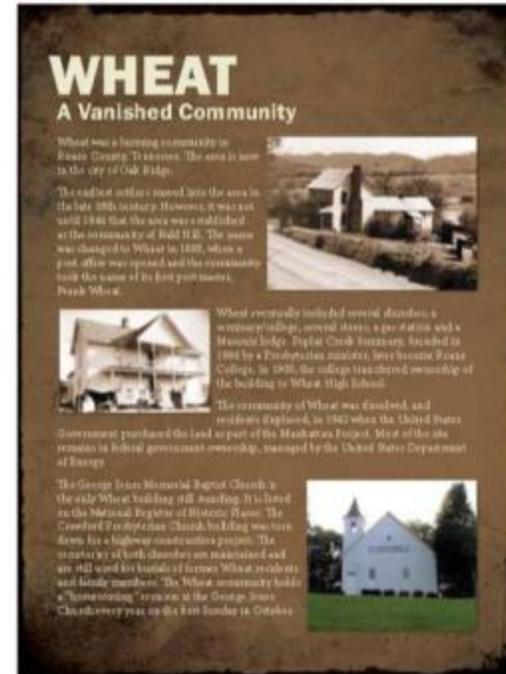
Graphic Inspiration – Graphic Panels

Graphics and images presented here are intended to inspire a starting point for design discussion and are not to be interpreted as a final look.

Theme Panel



Topic Panel



Sub Topic Panel



Graphic Inspiration – Graphic Panels

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Recreated Signage



Personality Panels

J. ROBERT OPPENHIEMER

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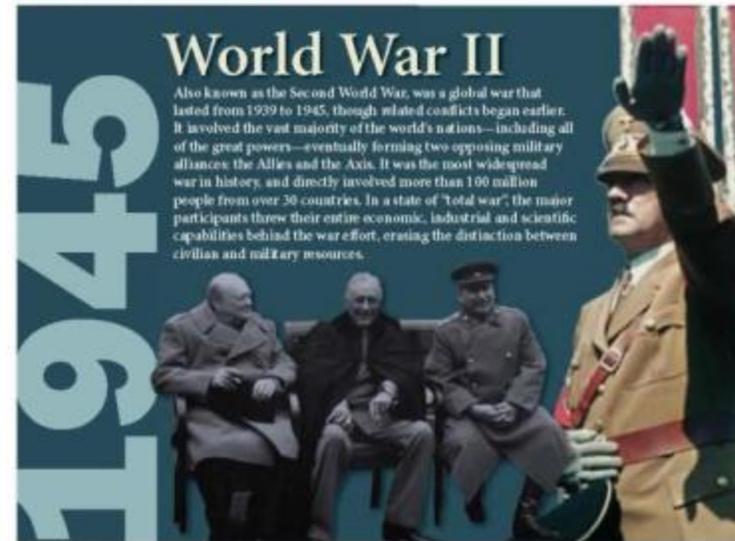
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Robert Oppenheimer

QUICK FACTS

| | | |
|----------------------------|---|----------------|
| 1904-1967 | Relevant to Project: | FACT #3 |
| BORN: NEW YORK CITY | MANHATTAN PROJECT LEAD SCIENTIST | FACT #4 |
| FACT #5 | | |

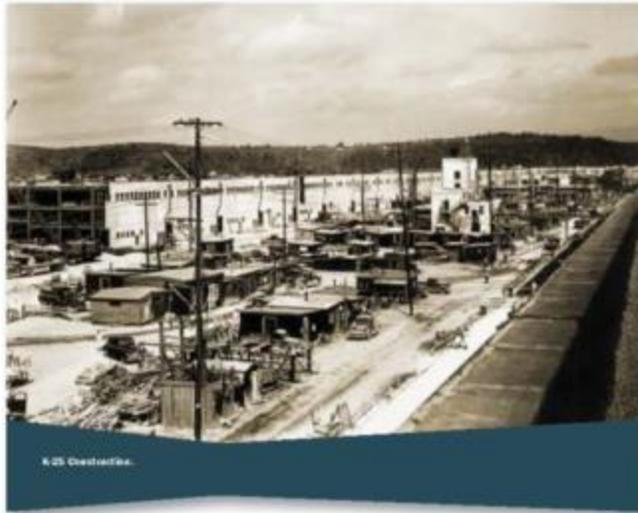
Milestone Markers



Graphic Inspiration – Graphic Panels

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Image Panels



Map Panels



Artifact Identification Panels

Bicycle – Cosmetic Restoration
circa 1940, K25-NHP-4

Used for fast transportation around the large K-25 facility.

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Bicycle – Cosmetic Restoration
circa 1940, K25-NHP-4

Used for fast transportation around the large K-25 facility.

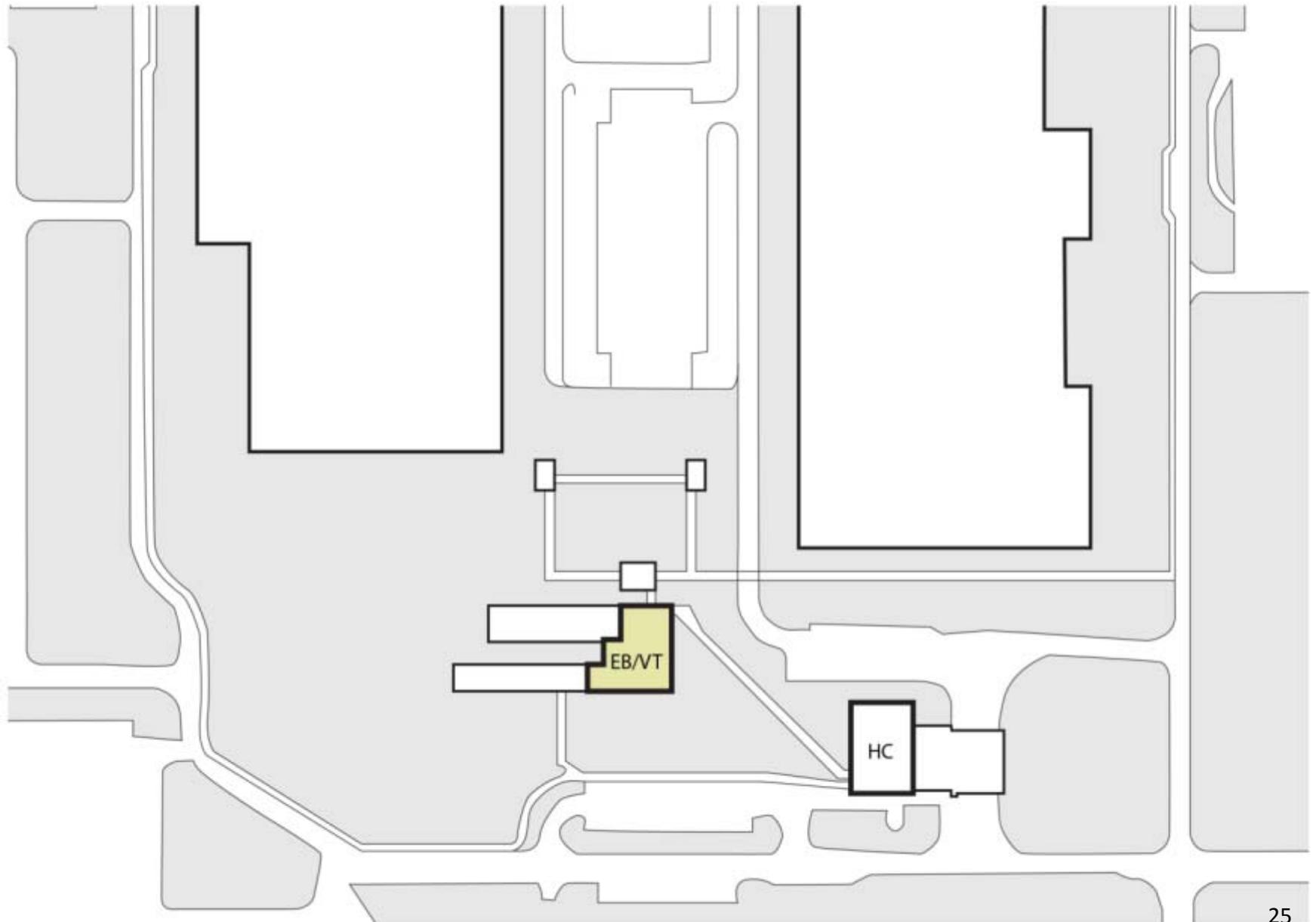
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Direction Pointers



Equipment Building & Viewing Tower Conceptual Design

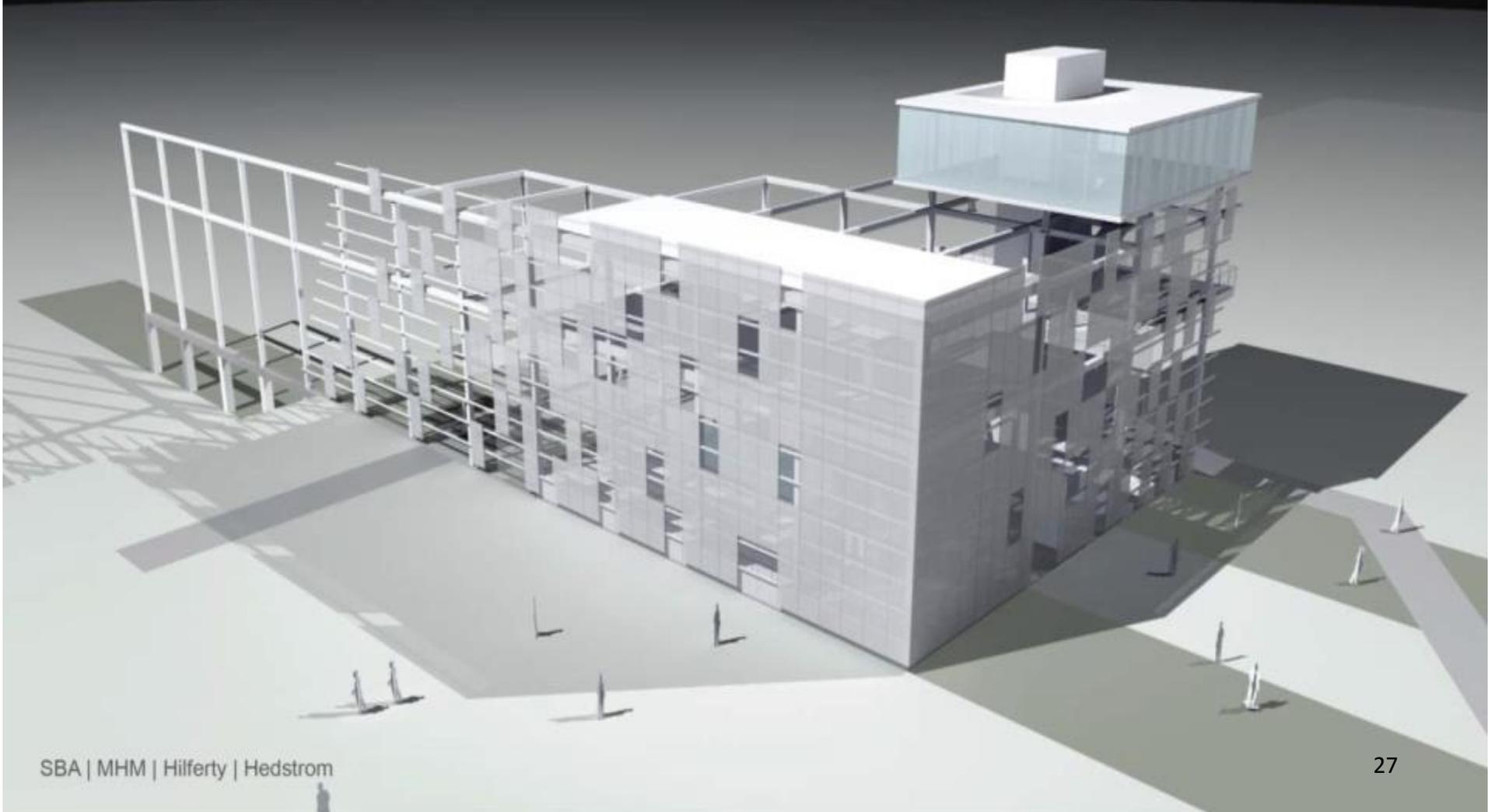
Equipment Building/Viewing Tower



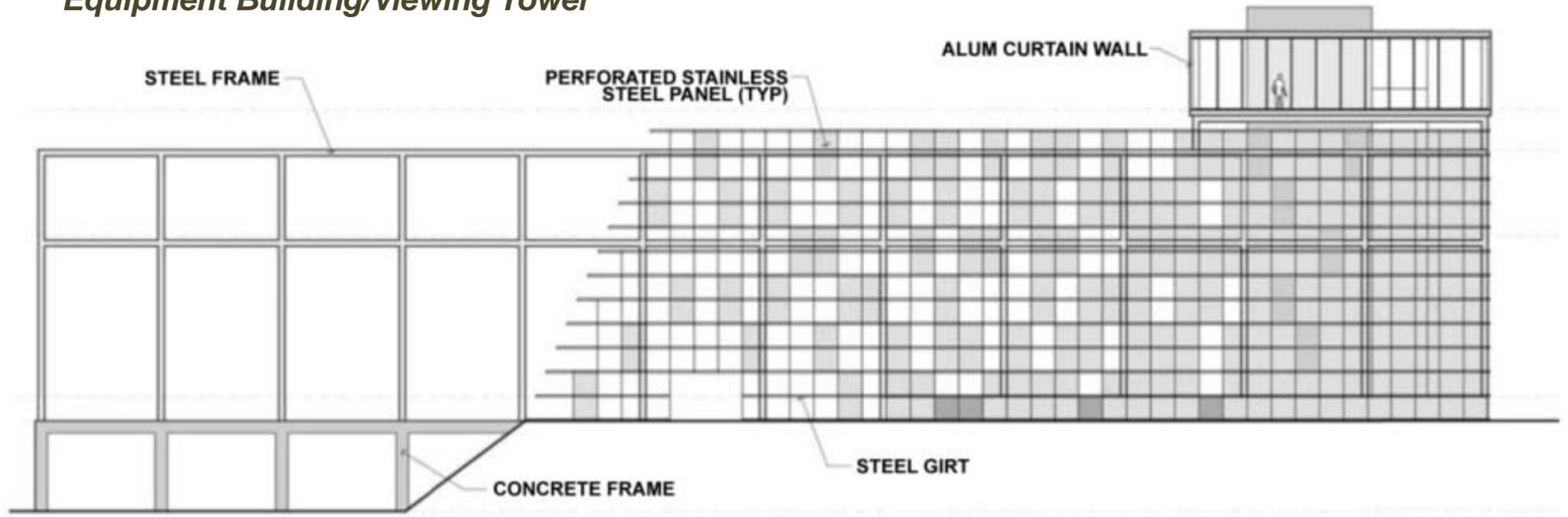
K-25 Equipment Building/Viewing Tower Inspiration



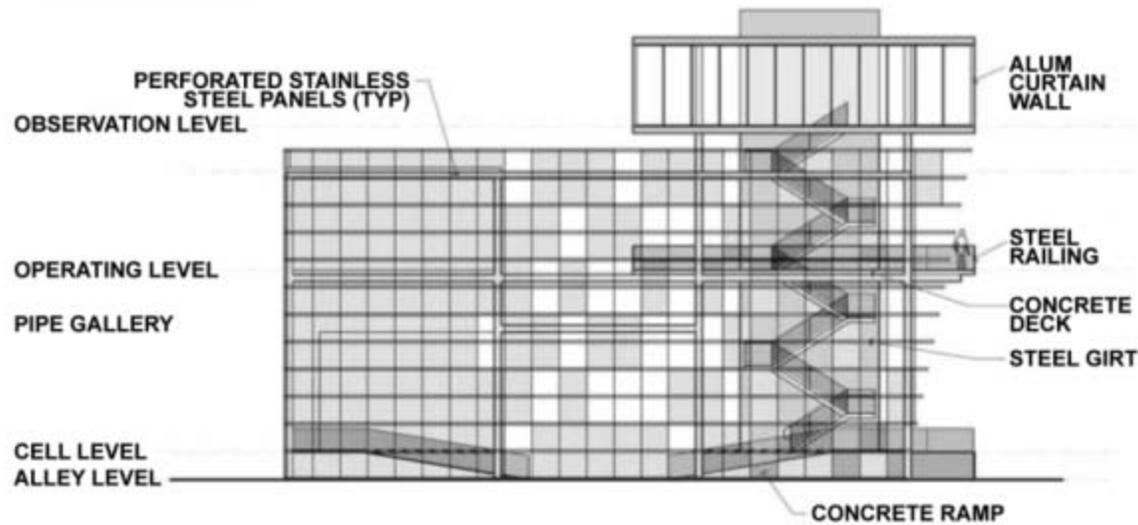
Equipment Building/Viewing Tower Rendering



Equipment Building/Viewing Tower

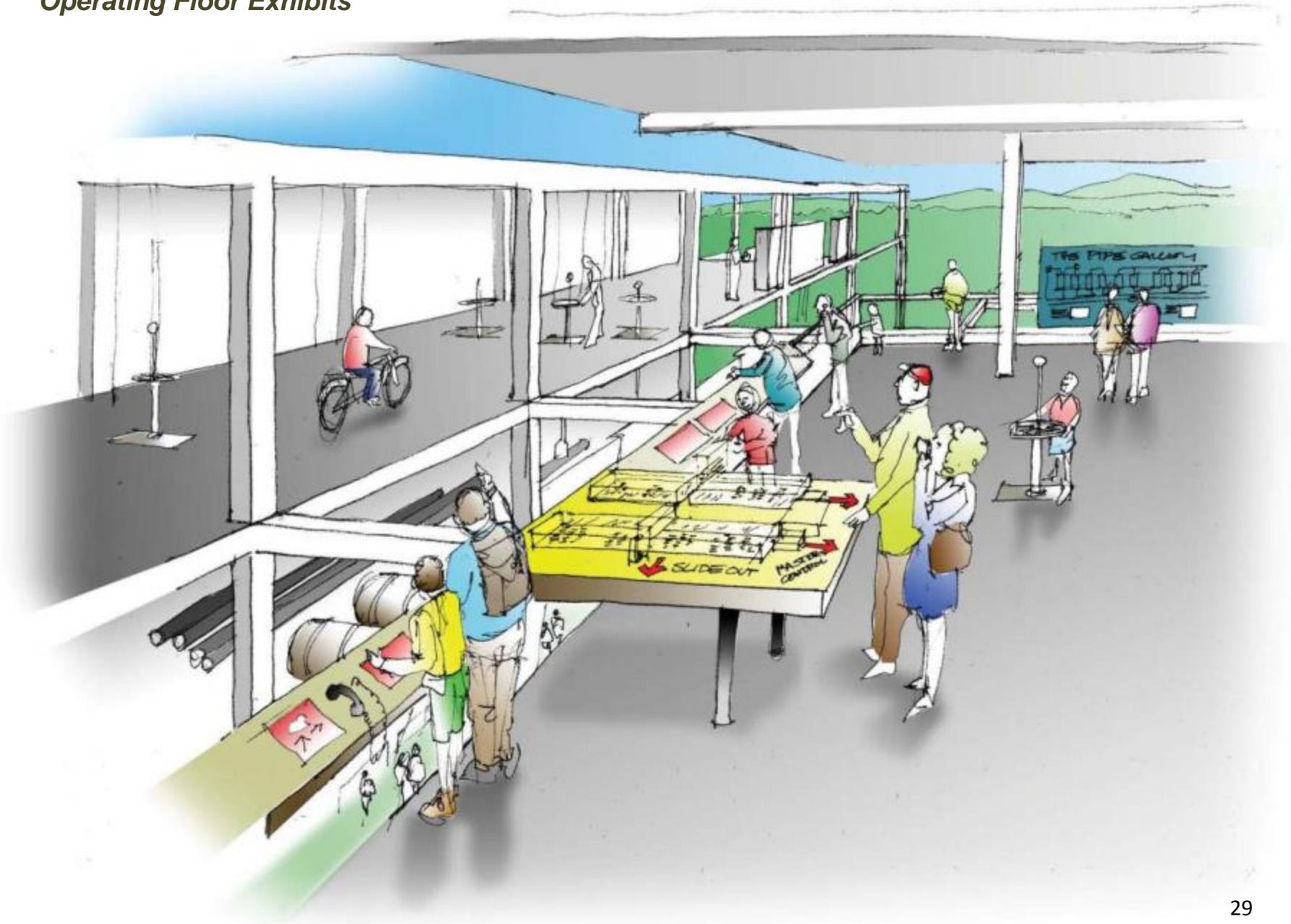


SOUTH ELEVATION



EAST ELEVATION

Operating Floor Exhibits

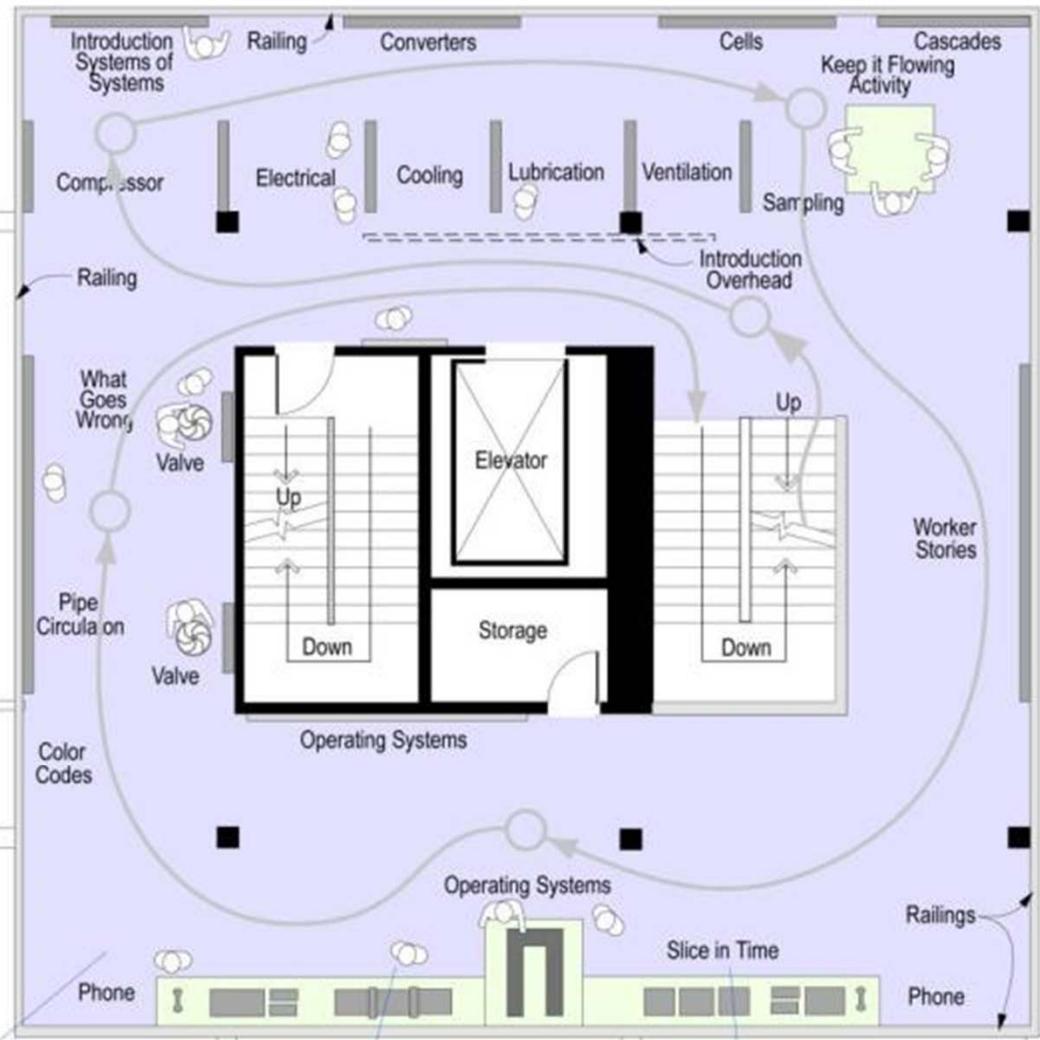


Operating Floor Exhibit Plan

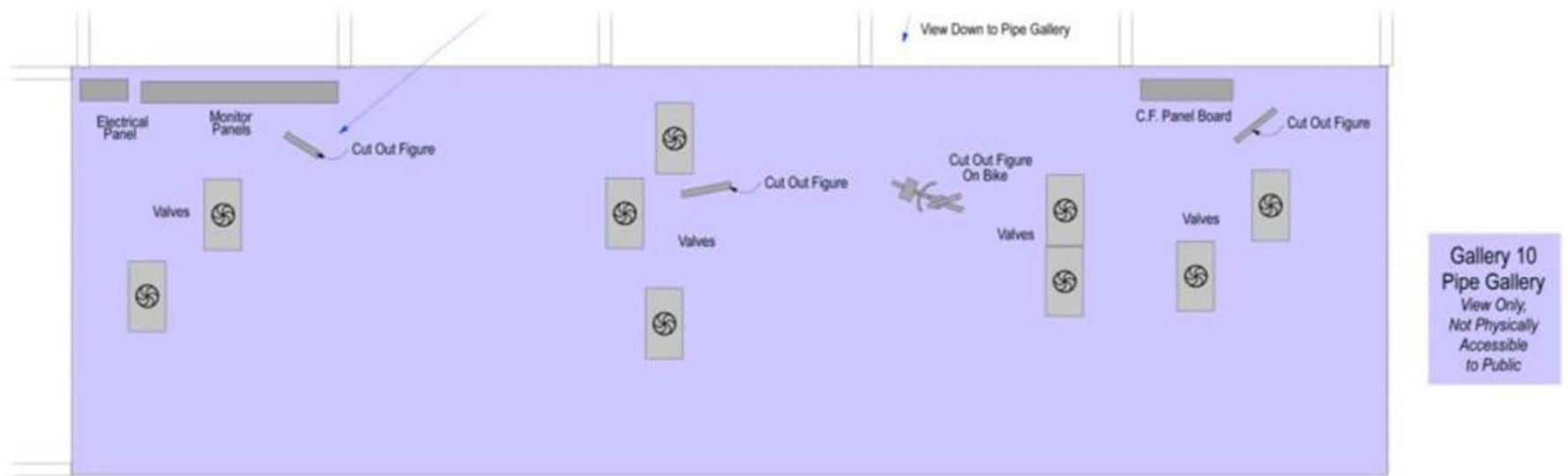


Operating Floor Exhibit Plan

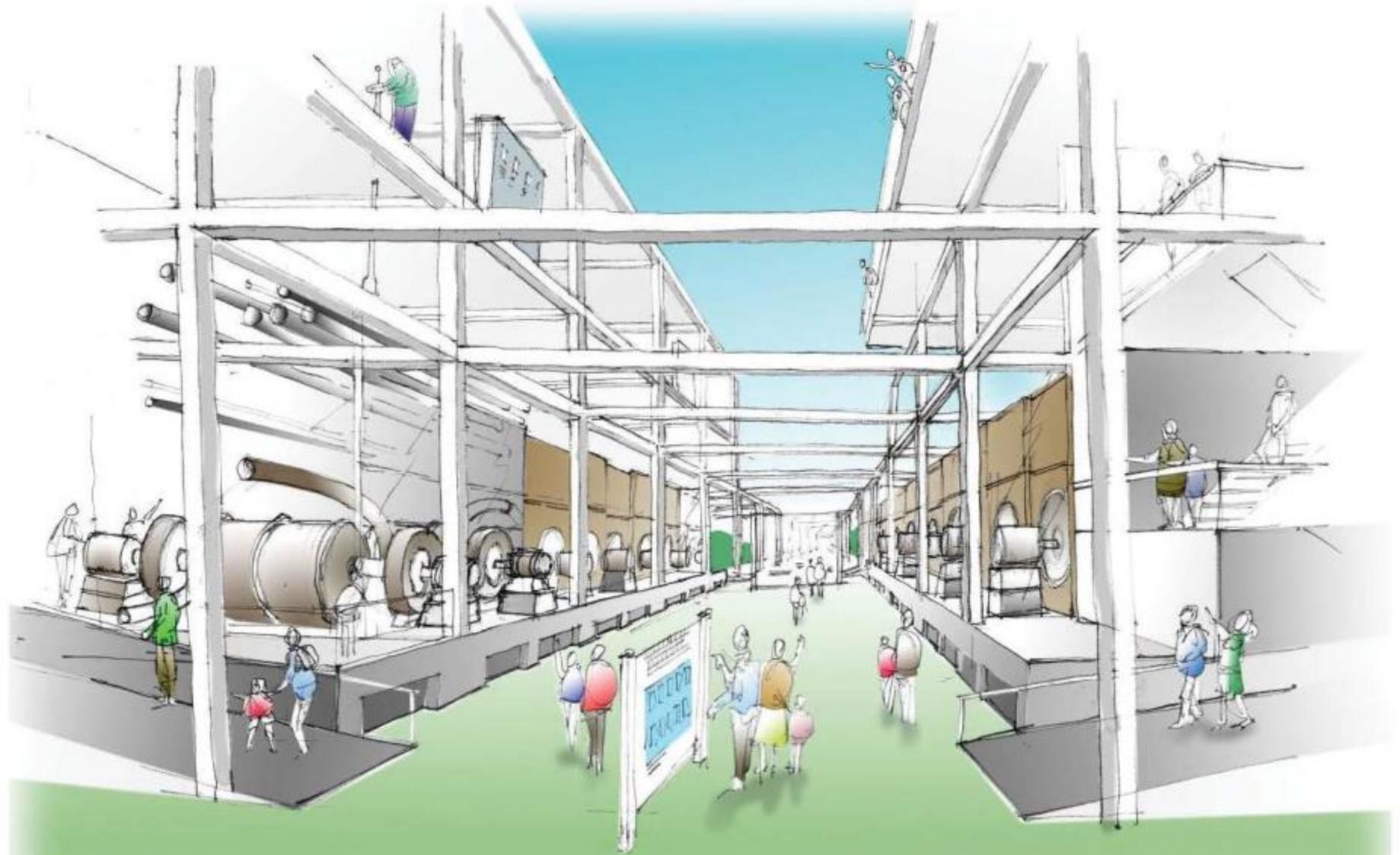
Gallery 9
 Operating
 Open-air Deck
 Enclosed By Handrails



Operating Floor Exhibit Plan



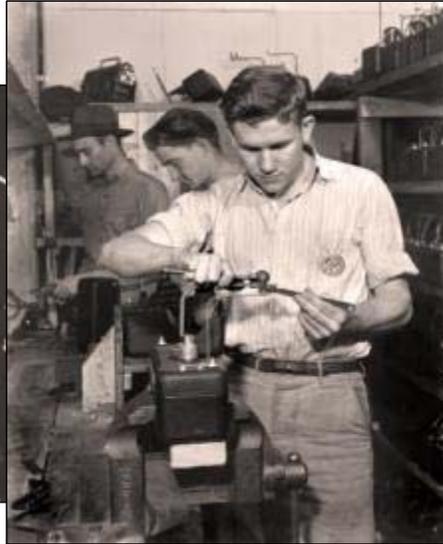
Cell Floor Exhibits



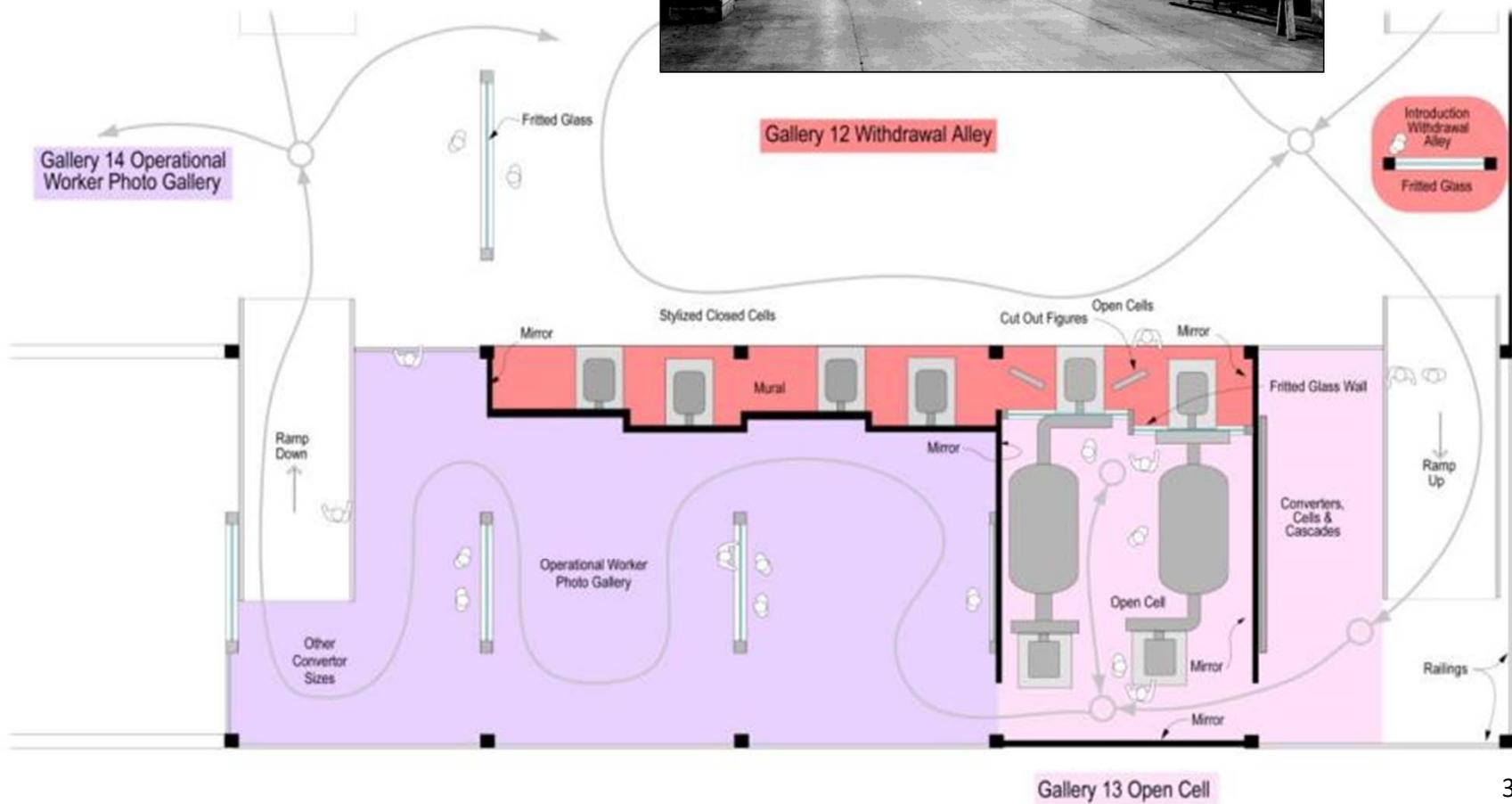
Cell Floor Exhibit Plan



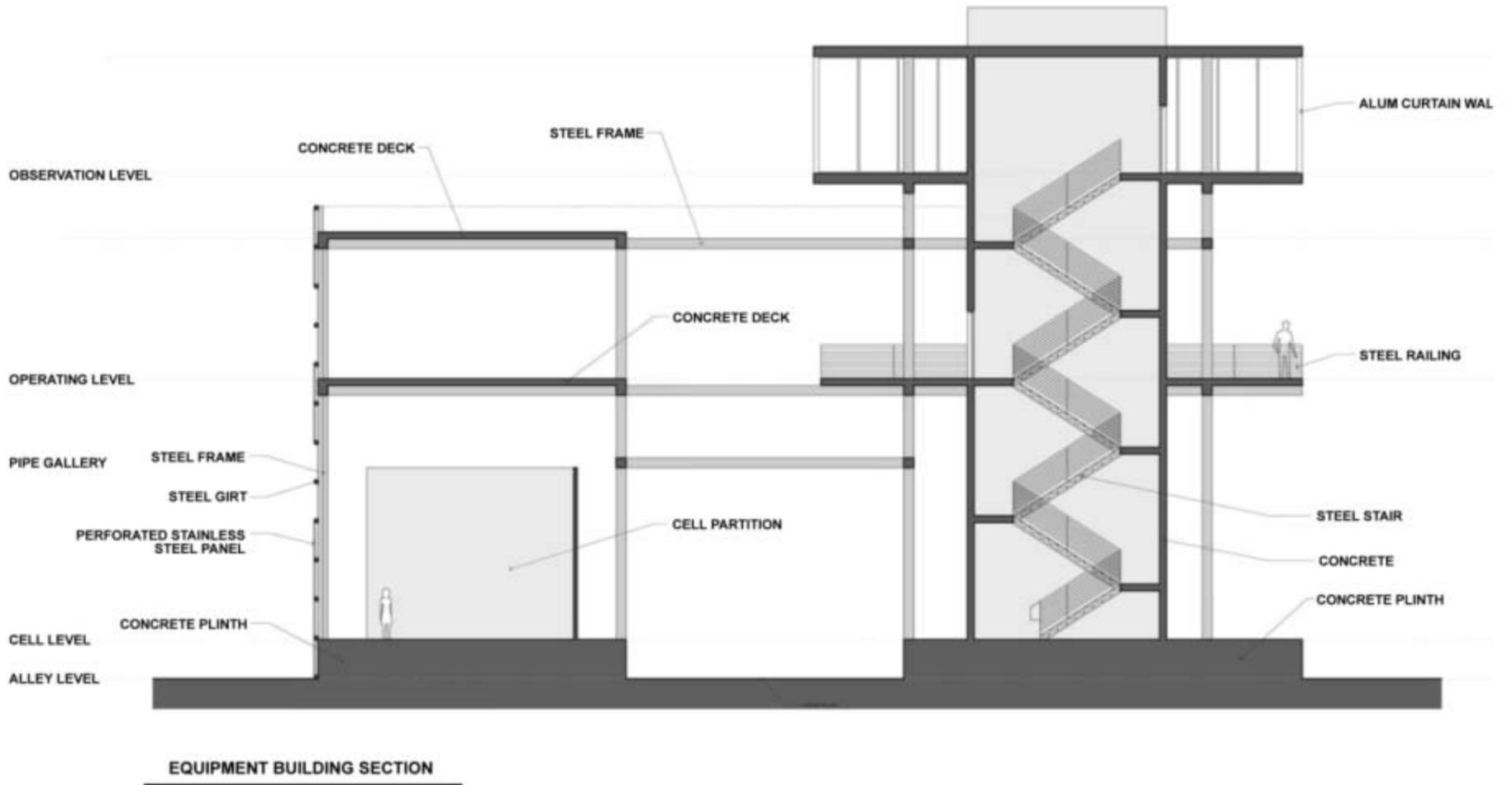
Cell Floor Exhibit Plan



Cell Floor Exhibit Plan



Equipment Building/Viewing Tower

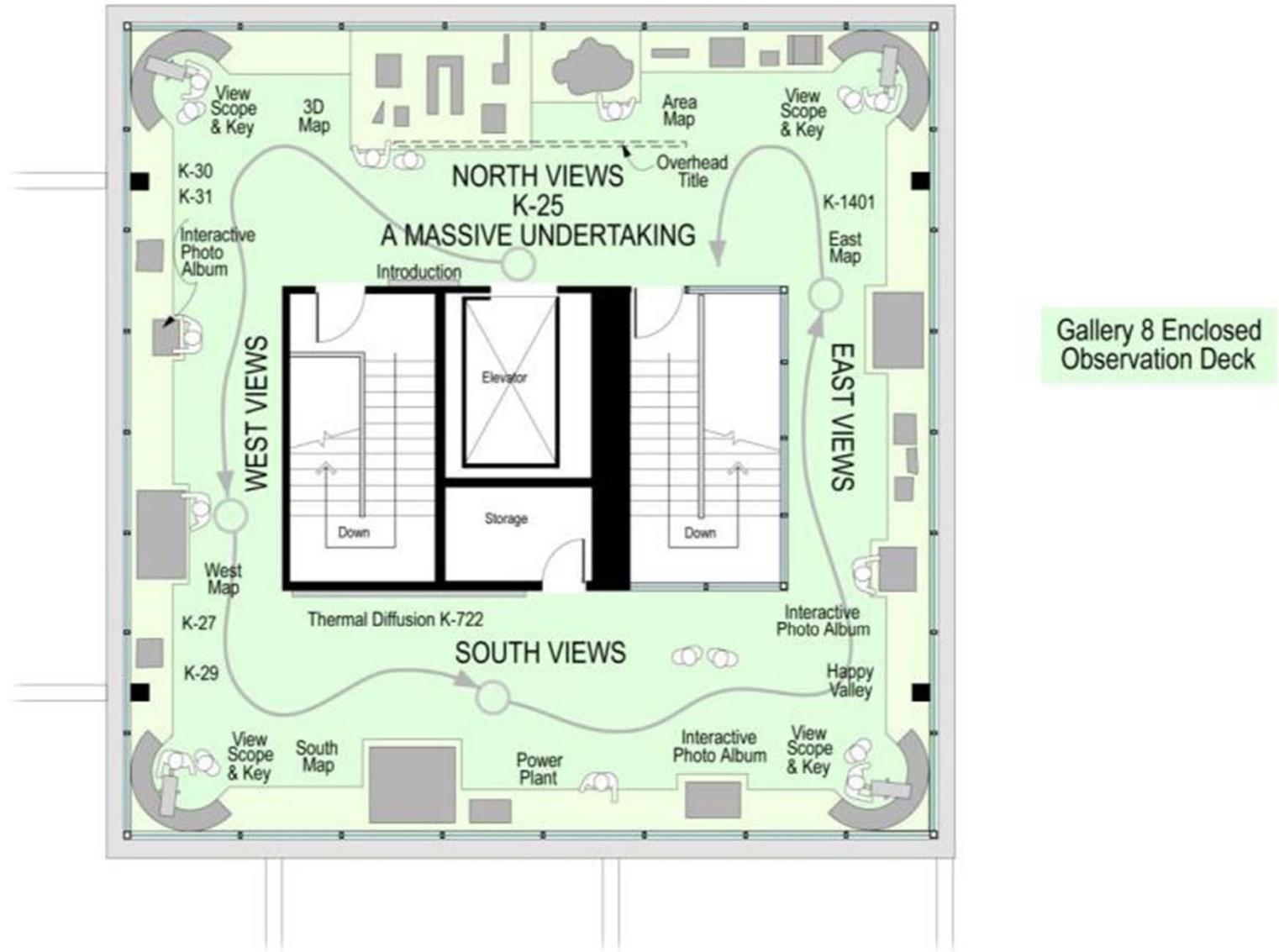


K-25 Enclosed Observation Deck Precedent – De Young Museum Tower

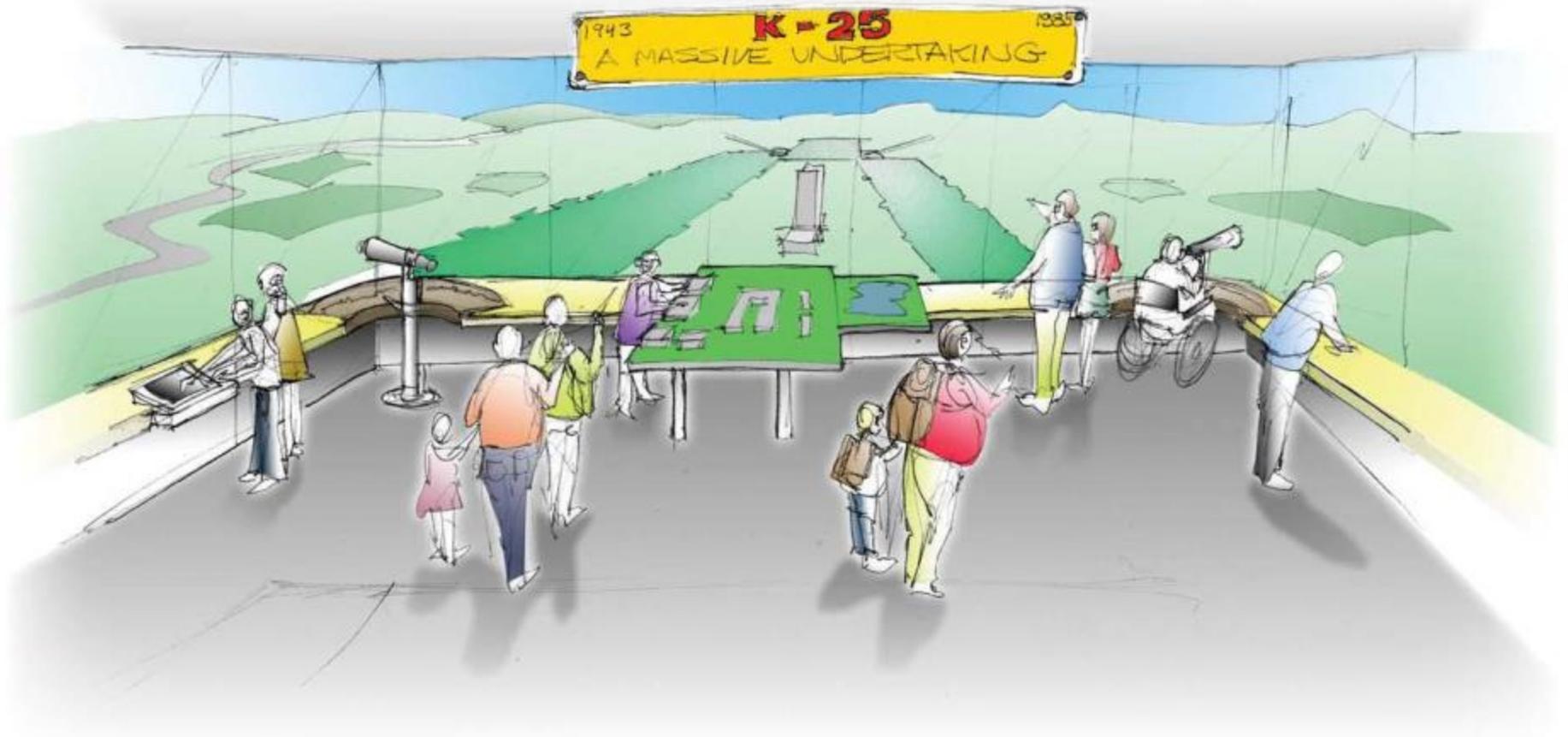




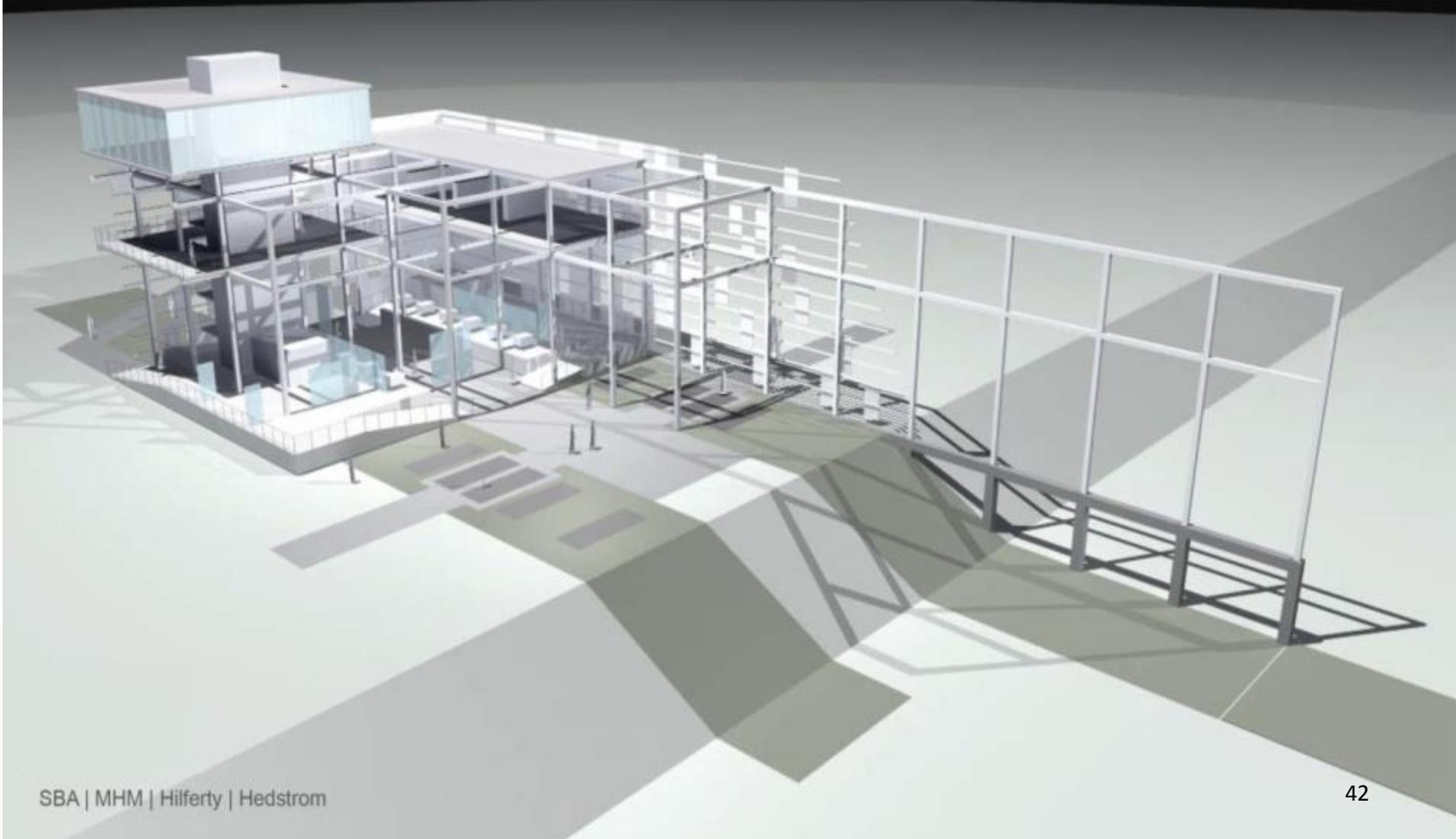
Enclosed Observation Deck Exhibit Plan



Enclosed Observation Deck Exhibits



Equipment Building/Viewing Tower Rendering



Graphics

Graphic Inspiration – Life Size Profile Workers

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Graphic Inspiration – Murals

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Graphic Inspiration – Materials and Finishes

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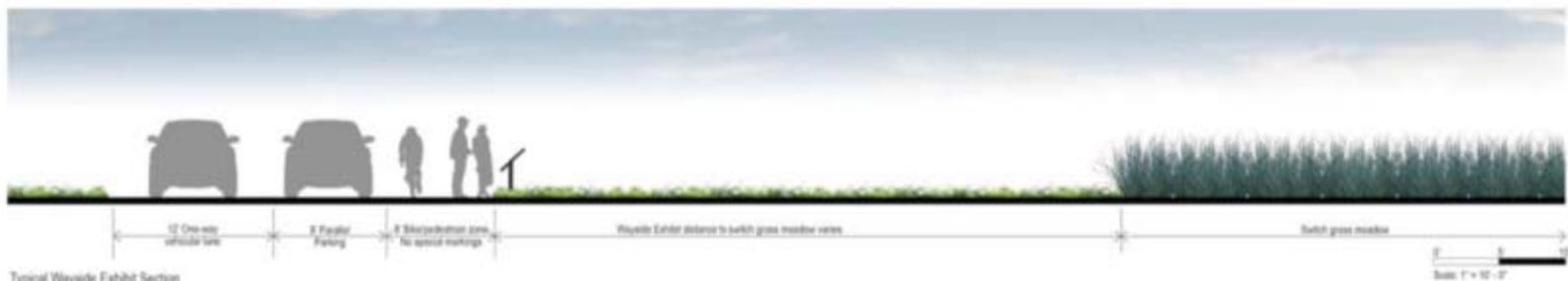
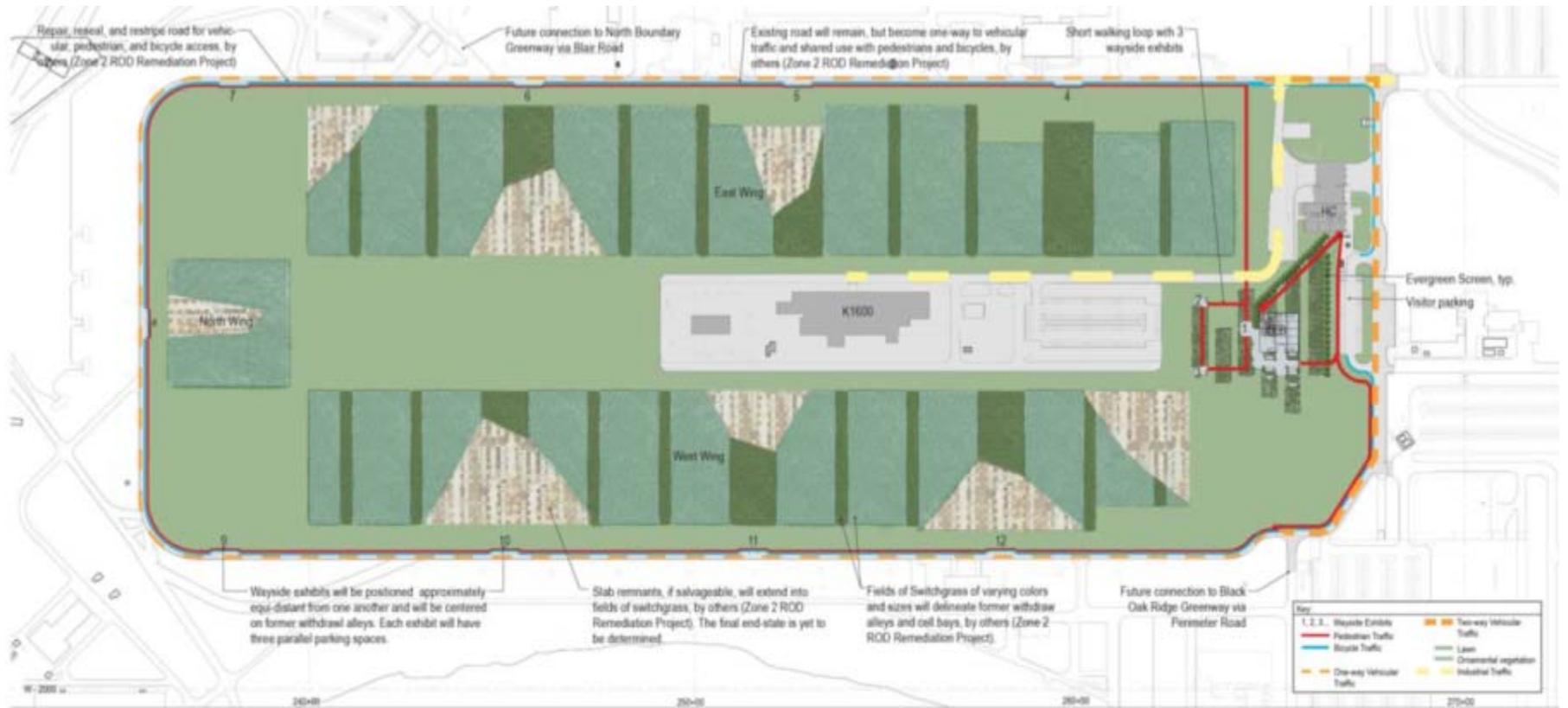


Site Layout

Exhibit Building Site Plan



Site Exhibit Plan



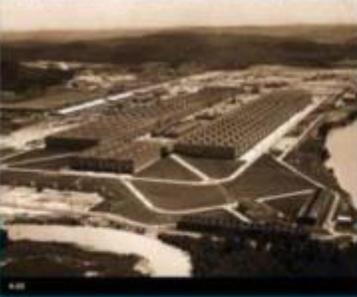
Typical Wayside Exhibit Section

Site Graphic Inspiration – Waysides

Graphics and images presented here are intended to inspire a starting point for design discussion and are not to be interpreted as a final look.

The Process Begins at the First Step

THE BUILDING



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THE PEOPLE



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THE SITE



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1 K-25 Site Tour

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You are here





Site Graphic Inspiration – Waysides

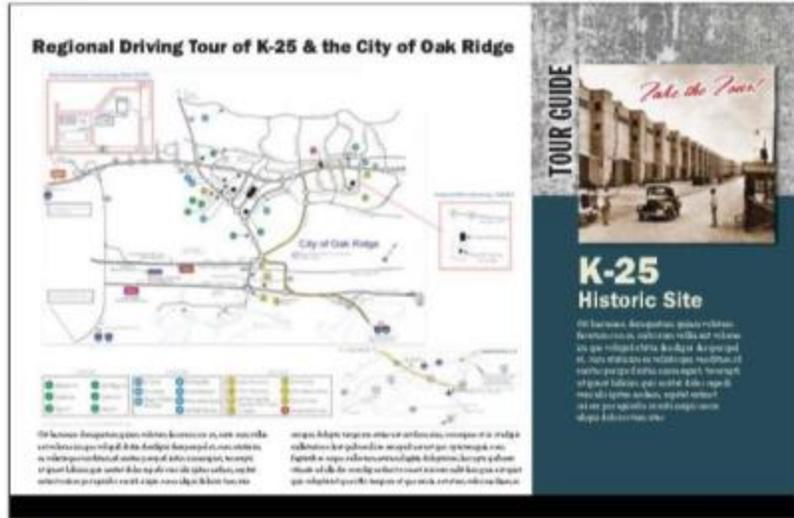
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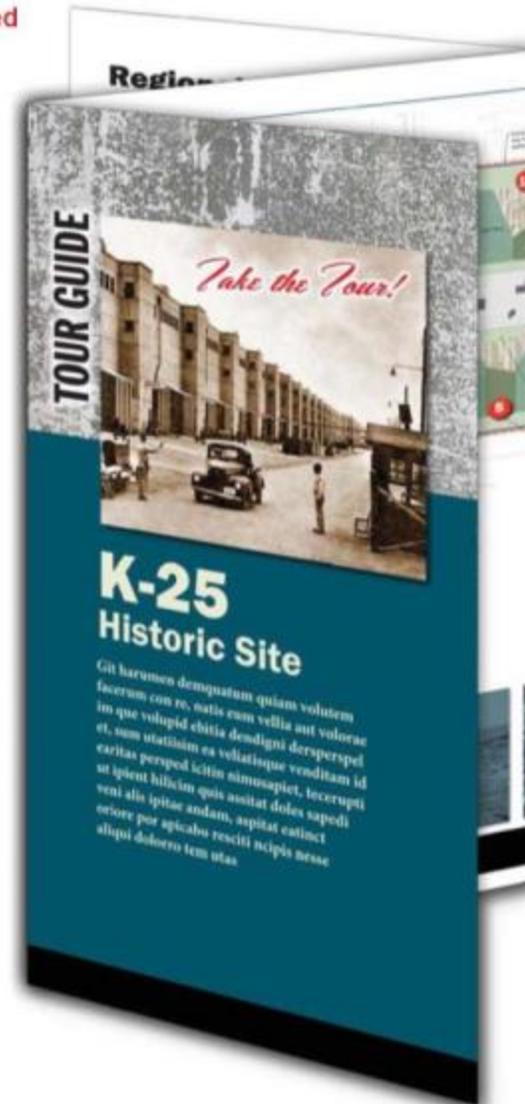
Site Graphic Inspiration – Tour Guide

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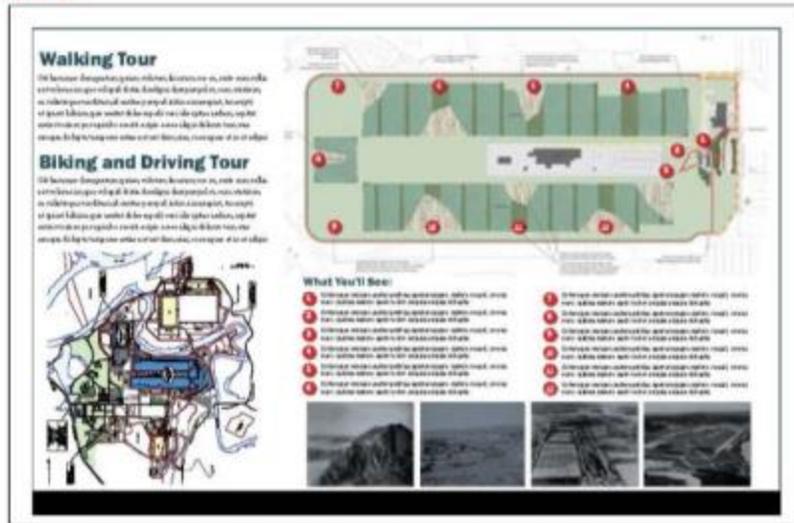
Side 1



Folded



Side 2



What's next?

- Conceptual Design comments are being addressed
- Preliminary Design to begin in late spring
- Finalize Slab Feasibility Study
- Submit Exemption for Destruction of approximately 50 items
- HAER written histories for Portal 4, K-1037 and K-25
- Virtual Museum roll out

Challenges

- Although we have made progress in the MOA funding has been and will likely continue to be a challenge

| | FY 2012 | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Total |
|---------------------------|--------------|--------------|----------------|----------------|----------------|-----------------|
| MOA Execution Plan | \$500,000.00 | \$634,340.00 | \$2,198,047.00 | \$6,212,637.00 | \$8,027,176.00 | \$17,572,200.00 |
| Authorized Funding | \$500,000.00 | \$500,000.00 | \$3,000,000.00 | \$2,103,000.00 | \$0.00 | \$6,103,000.00 |