



AIR FORCE CYBERSPACE & COMMUNICATIONS AFCC HERITAGE CENTER

SCOTT AIR FORCE BASE, ILLINOIS

Master Plan

May 22, 2024

HealyKohler Design

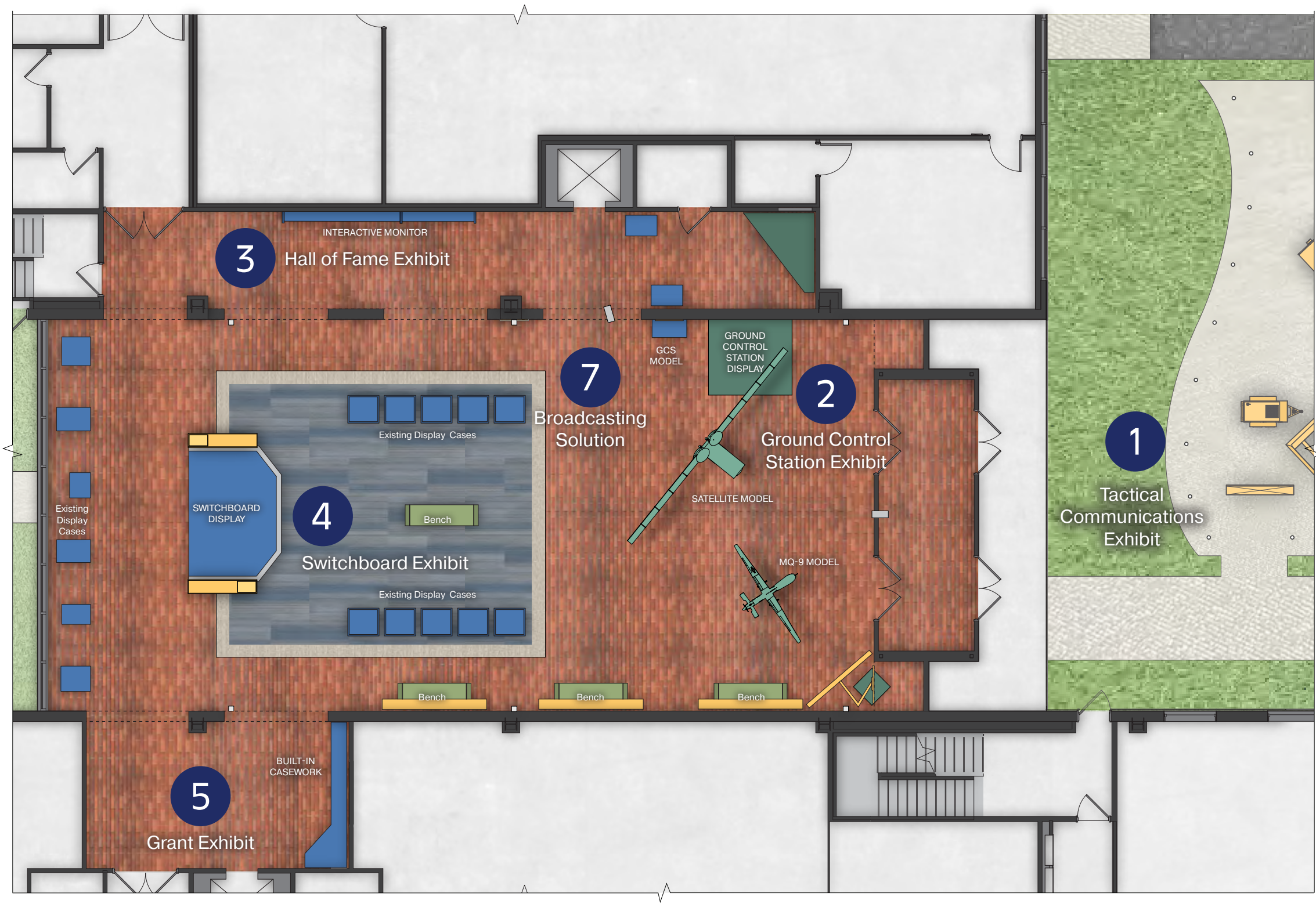


Over thirty-five years ago, a collection of artifacts dedicated to telling the story of the United States Air Force mission of cyberspace, communications, and information technology began to coalesce at Scott Air Force Base, Illinois. What started as a visitor's center in the major command headquarters, was added to, upgraded, and invested in – culminating in the 2020 creation of the Air Force Cyberspace and Communications (AFCC) Heritage Center.

The AFCC Heritage Center serves as the one and only heritage center in the USAF dedicated to telling this important story. This master plan will guide future exhibits and the growth of the center for generations of Airmen to come.



Overall Plan



Planned Projects

- 1 Tactical Communications Exhibit
- 2 Ground Control Station Exhibit
- 3 Hall of Fame Exhibit
- 4 Update Switchboard Exhibit
- 5 Grant Exhibit
- 6 Website / Digital Walkthrough (Online)
- 7 Broadcasting Solution
- 8 Materials & Finishes (Throughout)

1 Plan
Scale: 3/32" = 1'-0"

Preliminary Cost Estimates

Preliminary Order-of-Magnitude Costs for Development, Build, and Installation

1 Tactical Communications Exhibit

- Design and Development Fees
- Pour concrete pad w/footers, run power, add lighting
- Install macro artifacts, modify for outdoor display
- Add interpretive rail panel

2 Ground Control Station Exhibit

- Design and Development Fees
- Shipping and Modifications to existing Ground Control Station (GCS) artifact
- Small-scale vehicle model with display pedestal and graphic interpretation
- 1/6 scale models of satellite and drone, plus installation
- Video production to activate GCS screens

3 Hall of Fame Exhibit

- Design and Development Fees
- New exhibit structure on 18 linear feet of wall (includes AV housing, graphics, and 6 embedded cases)
- Hall of Fame Interactive with Content Management System (software and hardware, 85” touchscreen)

4 Update Switchboard Exhibit

- Design and Development Fees
- Demo existing wall and casework
- Create new switchboard display, with new lighting
- Add (2) reader rails, including screens with historical AV footage
- New figure (Studio EIS quality) with repro uniform
- New carpet

5 New Grant Exhibit

- Design and Development Fees
- Move storage doors to hallway
- New built-in exhibit case with lighting
- Case graphics, display risers, and artifact mounting

6 Website with Digital Walkthrough (online)

- Create and program new website for Heritage Center
- Development of a Collections Explorer web application (featuring 40 artifacts, includes content research)

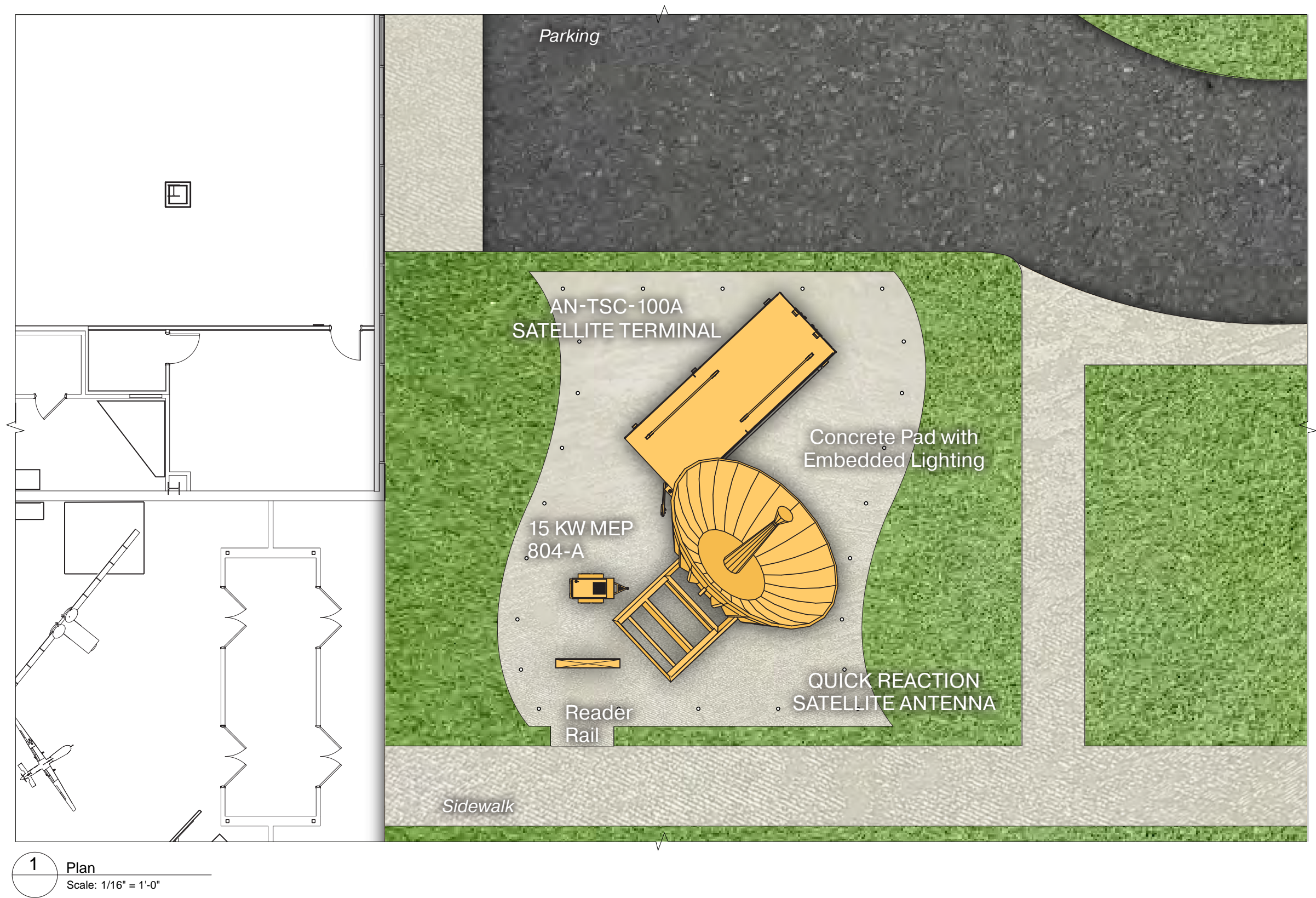
7 Broadcasting Solution

- Development fees including hardware specifications
- Electrical / Internet base building work
- New AV equipment (to be confirmed during development phase): Podium with microphone, 2 camera locations with video streaming capability, (6) new speakers, new 98” video screen.
- AV Integration and Installation

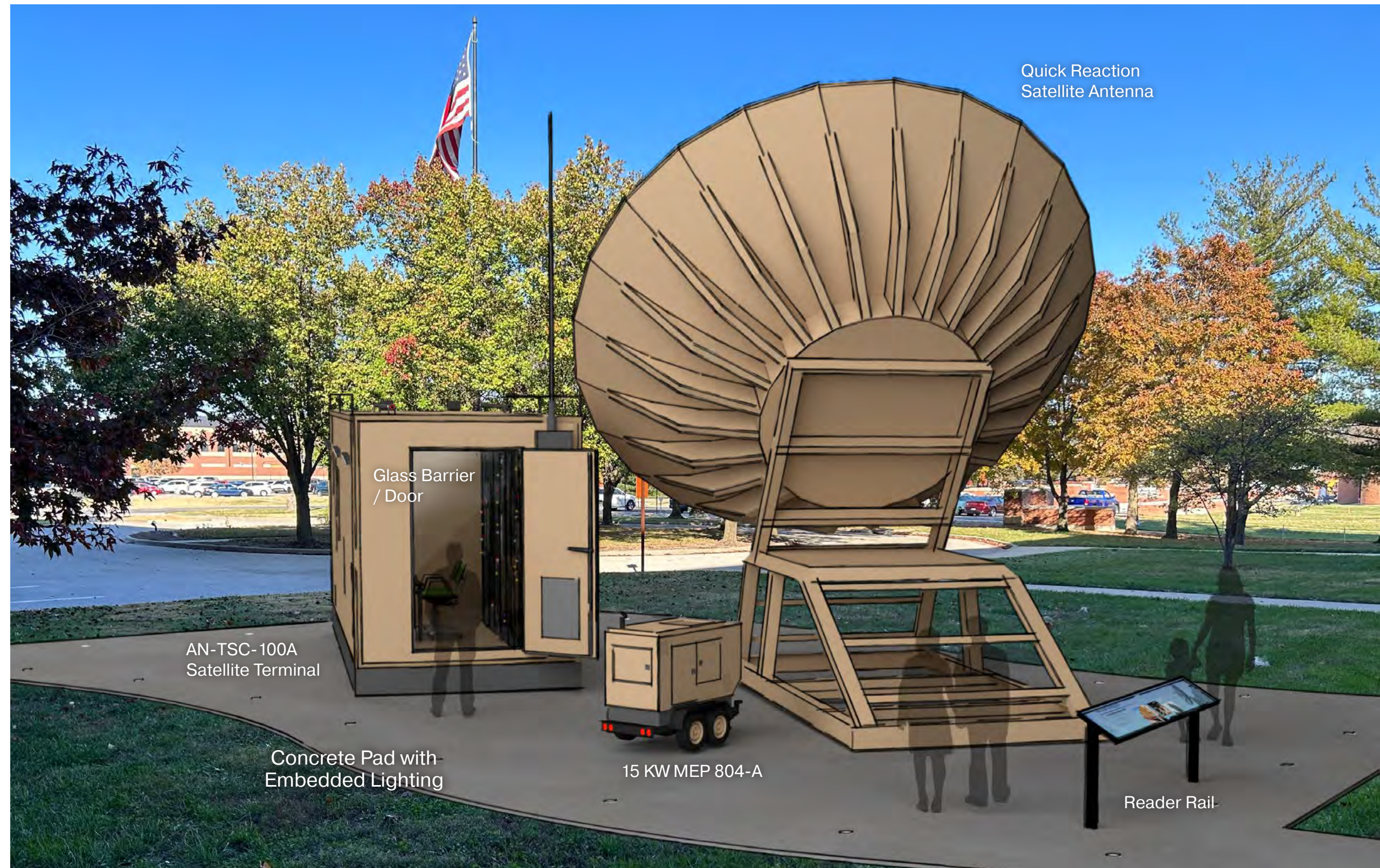
8 Update Materials & Finishes

- Design and Development Fees
- Remove flags and repair walls
- 8 new Silicone-Edge Graphics (SEG) in wall-mounted frames (70 sf each)
- New dimensional lettering
- Other updates to materials and finishes to existing exhibits to match new

1 Tactical Communications Exhibit



1 Tactical Communications Exhibit



1 Tactical Communications Exhibit



1 Tactical Communications Exhibit

REFERENCE IMAGES



AN-TSC-100A
Satellite Terminal



Existing Conditions

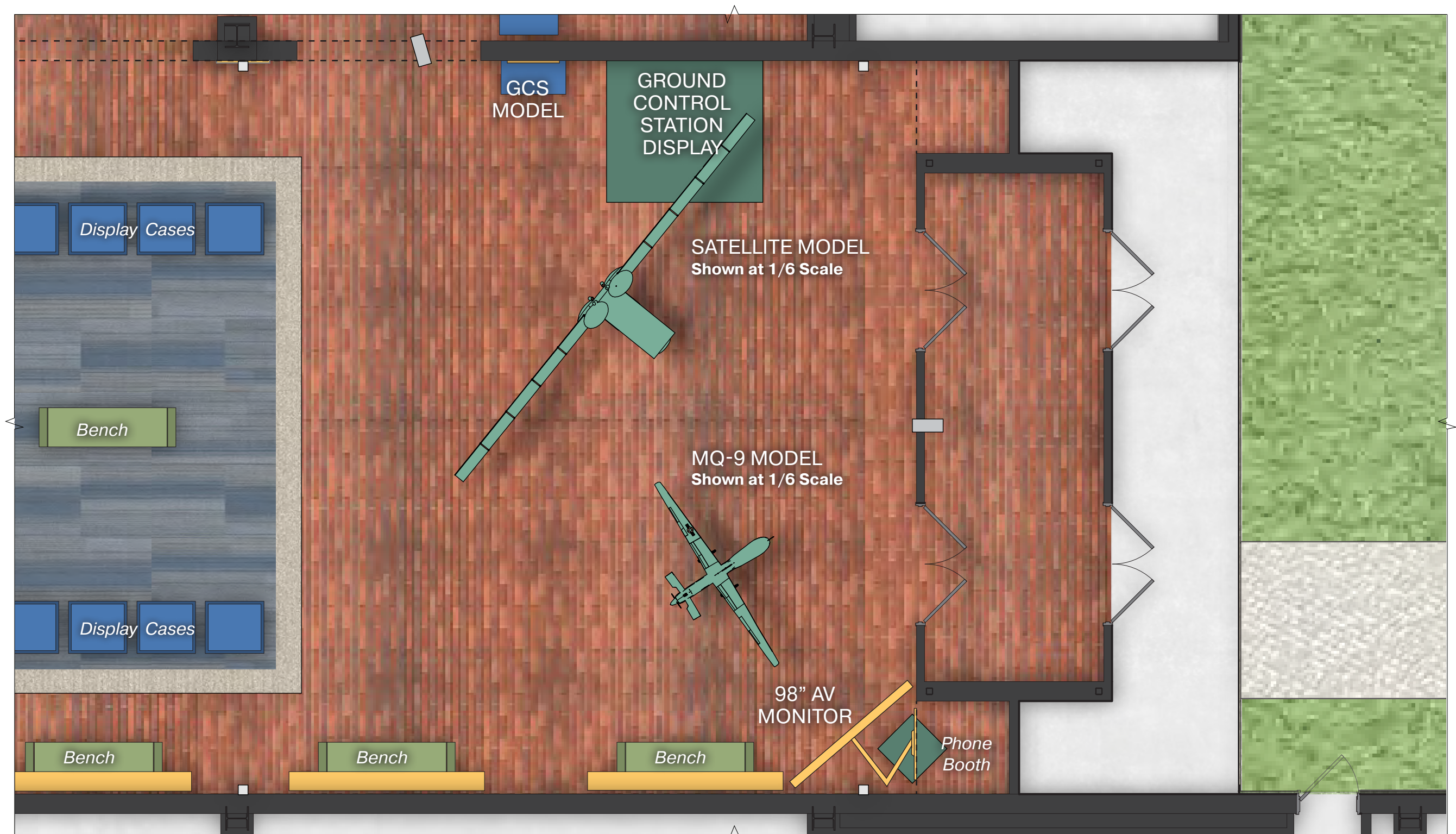


15 KW MEP 804-A

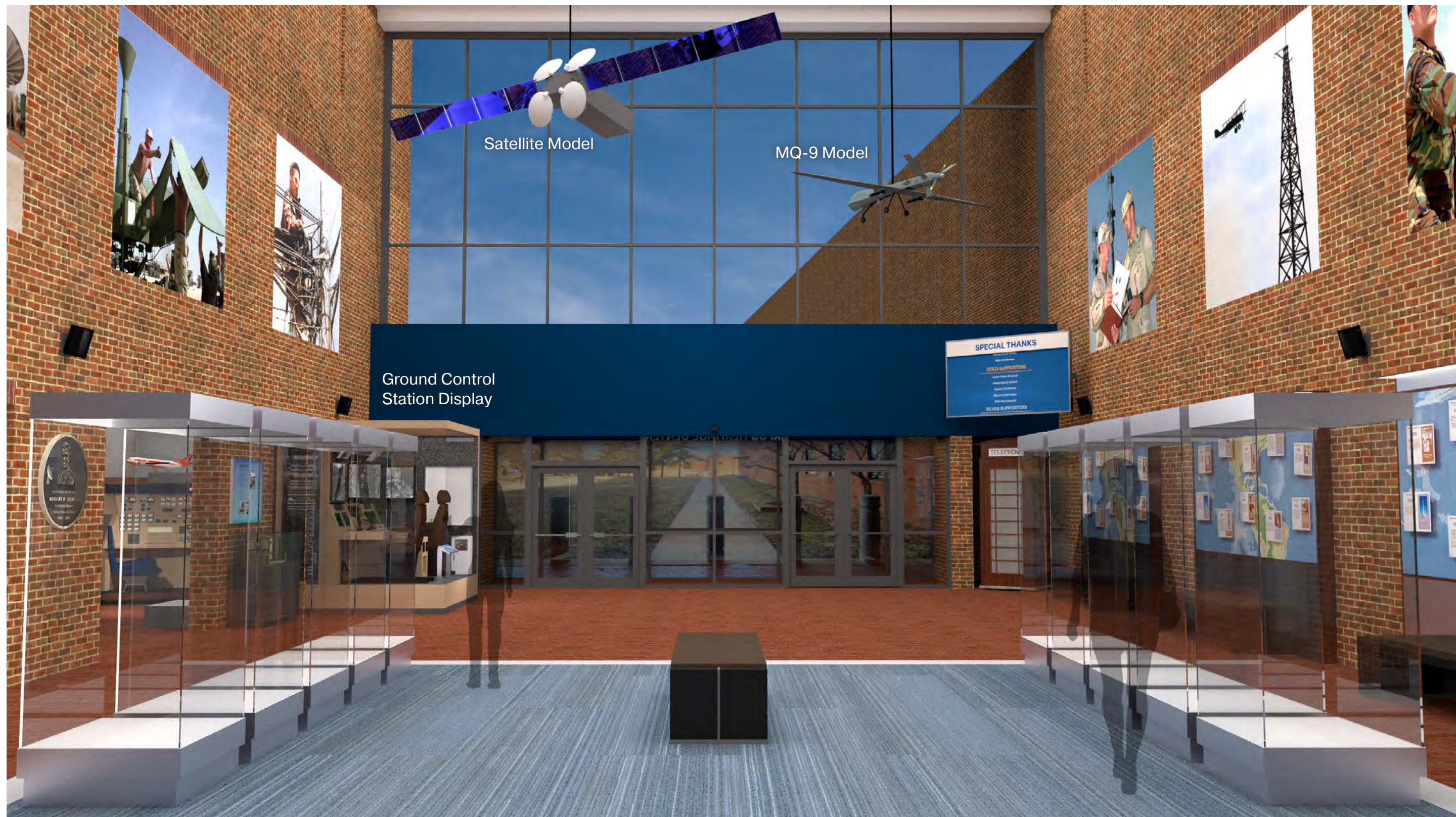


Quick Reaction Satellite Antenna

2 Ground Control Station Exhibit



1 Plan
Scale: 3/16" = 1'-0"







REFERENCE IMAGES



WGS Satellite



MQ-9



Ground Control Station

Scale Model Reference



3 Hall of Fame Exhibit



1 Plan
Scale: 1/4" = 1'-0"





Hall of Fame Exhibit

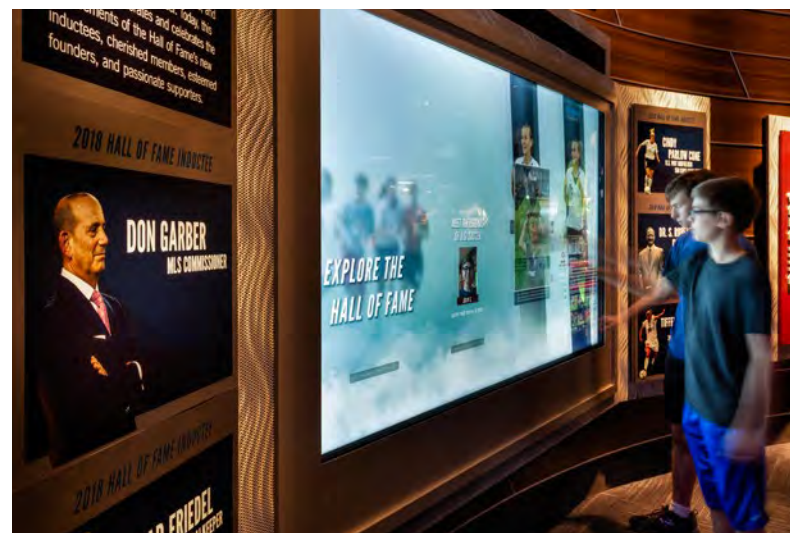
REFERENCE IMAGES:
Multi-User Interactive Database



The Sailing Museum



Museum of the American Revolution

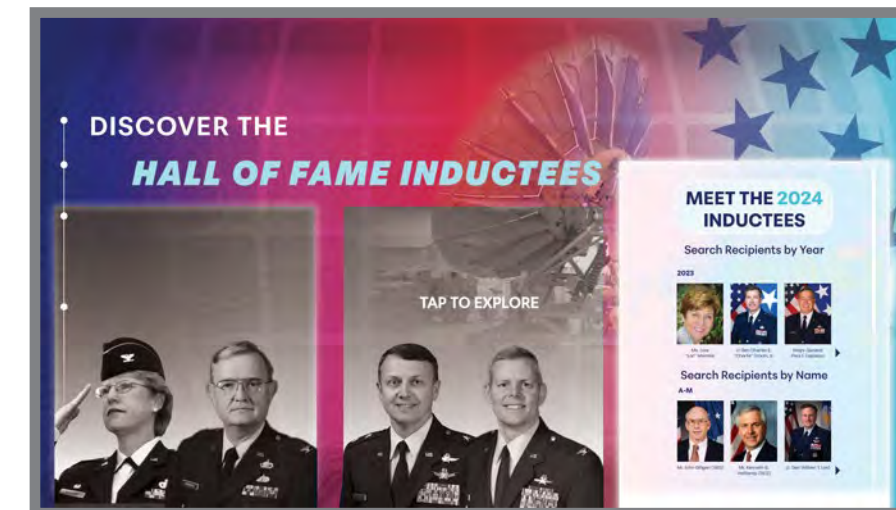


National Soccer Hall of Fame

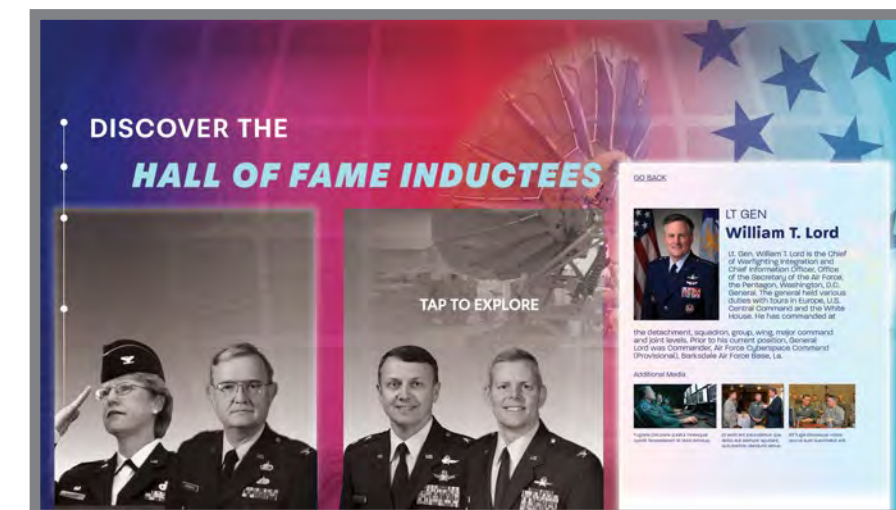
PRELIMINARY INTERACTIVE STORYBOARD



Default Screen



One section activated



Inductee Spotlight

4 Update Switchboard Exhibits



1 Plan
Scale: 3/16" = 1'-0"

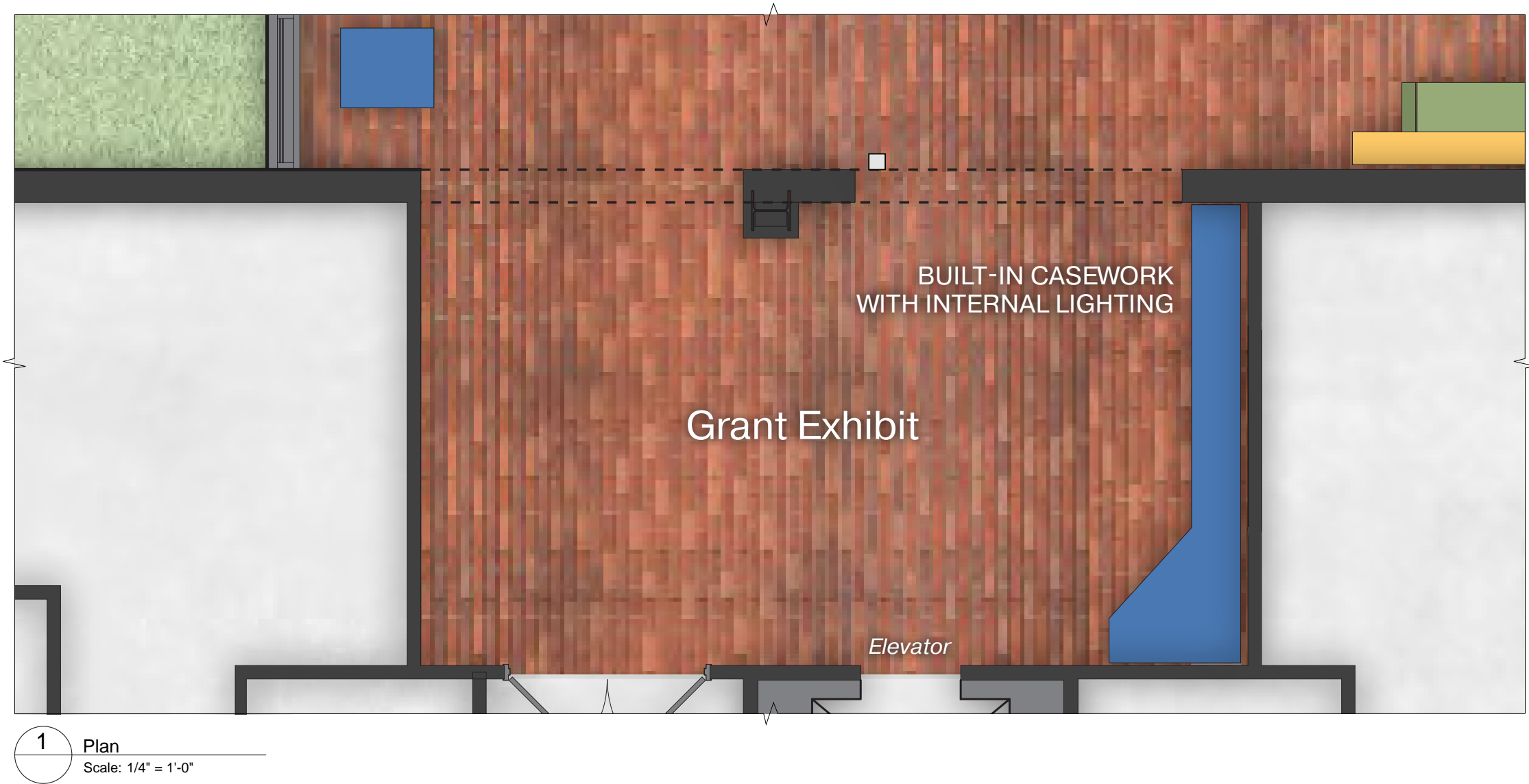




REFERENCE IMAGES

*Switchboard Artifact**Museum-Quality
Figures**Historic
Imagery*

5 Grant Exhibit





Built-In Casework with access doors
and internal lighting

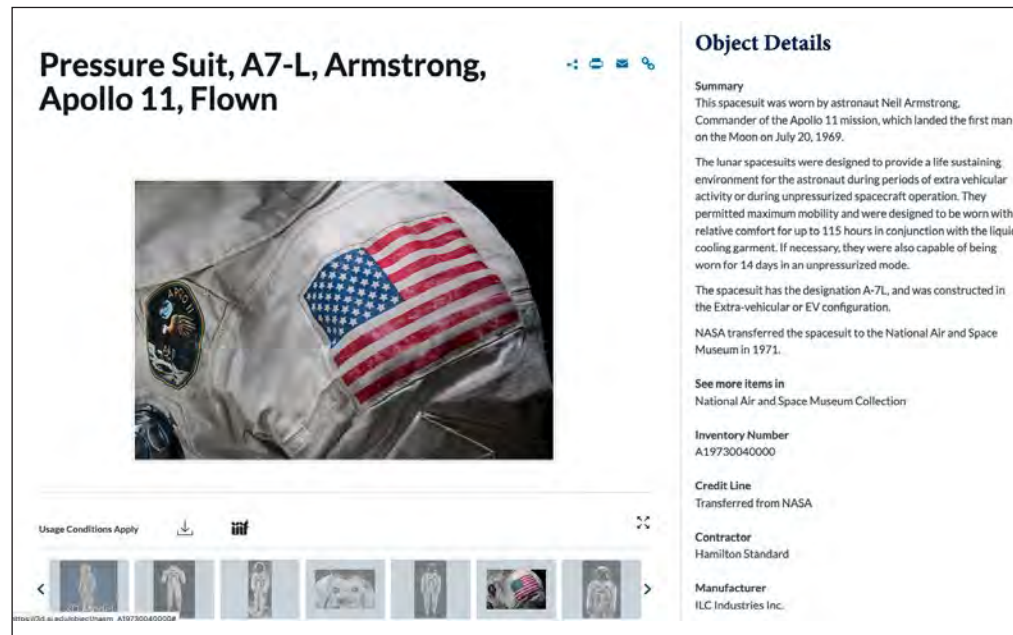
REFERENCE IMAGES:
Grant Artifacts

6 Website / Digital Walkthrough

REFERENCE IMAGES



Virtual Walkthrough: National Museum of Natural History



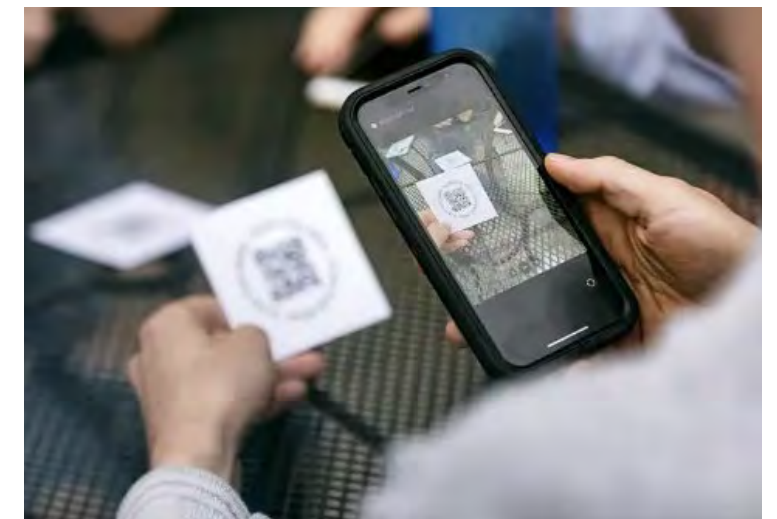
Collections Explorer: Smithsonian Air & Space Museum



Virtual Tour: National Museum of the U.S. Air Force

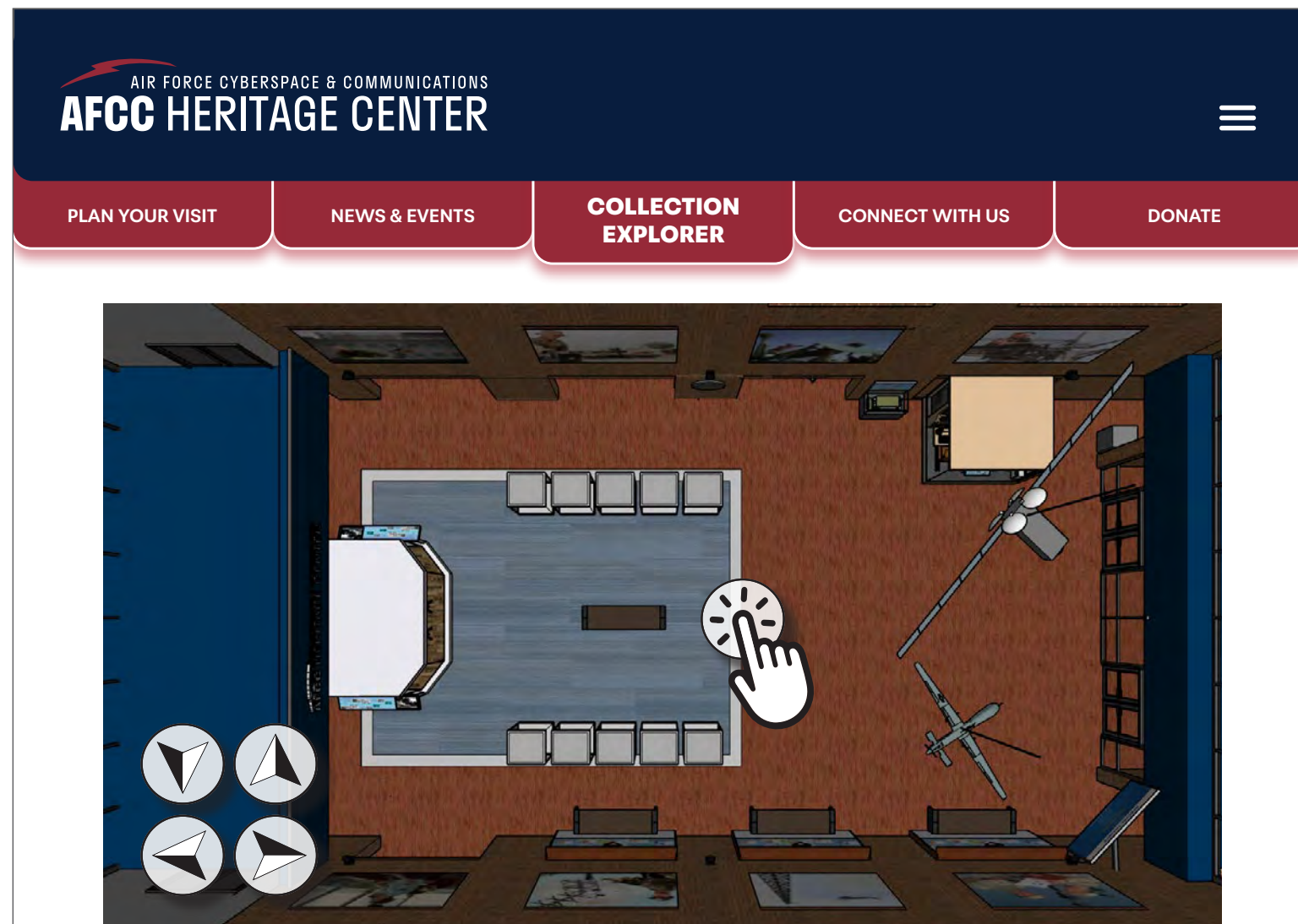
Giving the AFCC Heritage Center an online presence with a new website will not only allow visitors to access information about planning their visit, upcoming events, and parking/accessibility, but can also house an in-depth virtual walkthrough that provides deeper information about key artifacts.

This “Collections Explorer” feature could be accessed by QR code or Bluetooth beacon while in the actual exhibit, but would also live on the website for remote access.



Scanning a QR Code

Sample web page with Digital Walkthrough / Collections Explorer

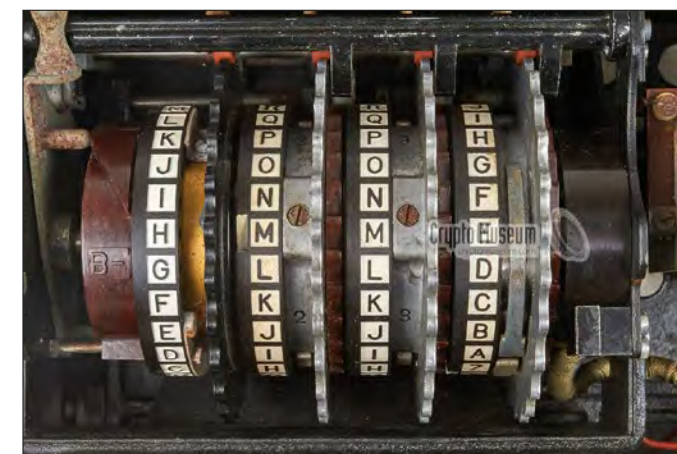


The Collections Explorer feature lets visitors digitally access more detail on a personal device – looking inside an object, learning more about its functionality, and seeing photos/video of the object in context.



Enigma artifact

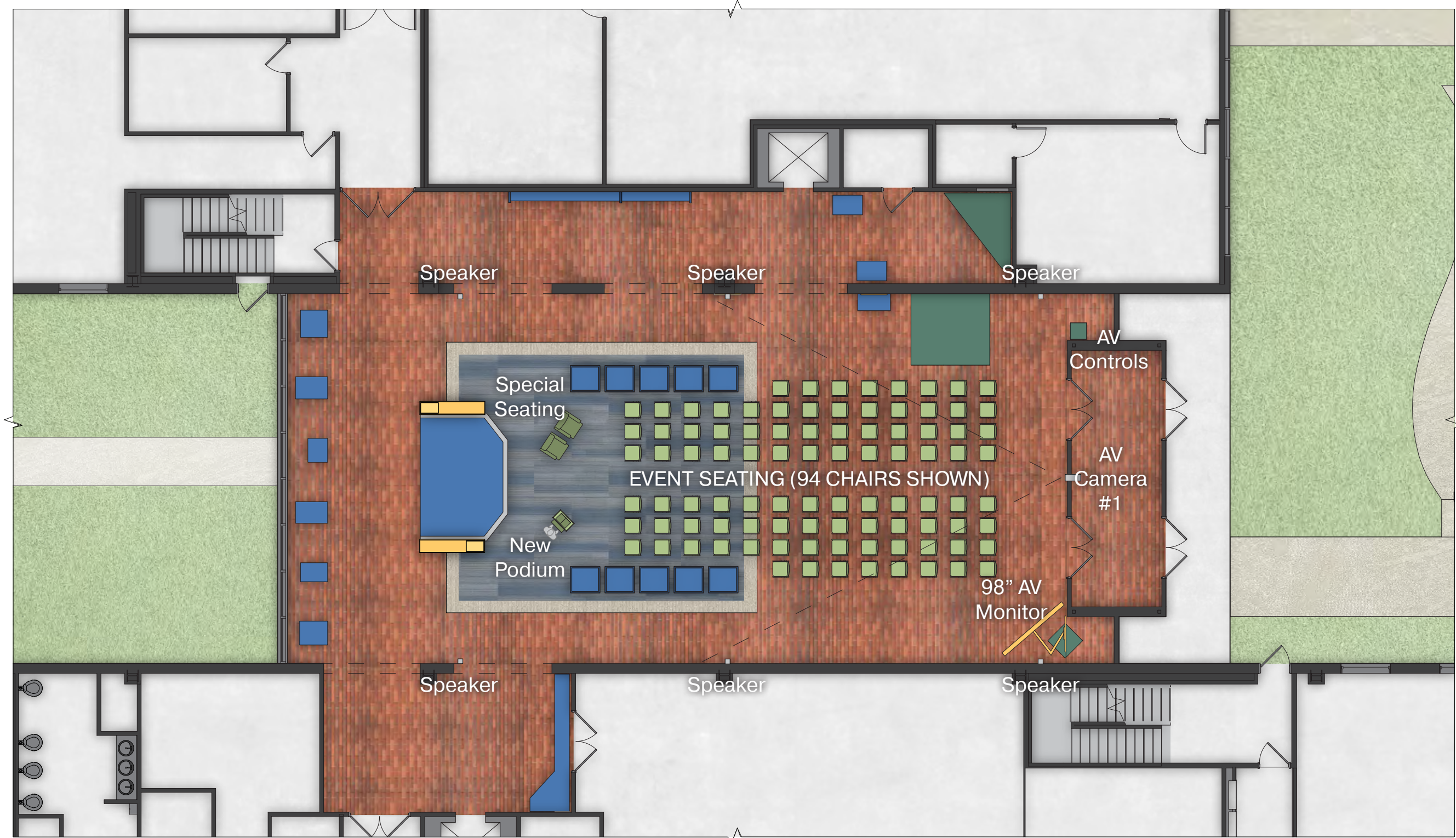
Enigma details / contextual images



7

Broadcasting Solution

EVENT SETUP A



1

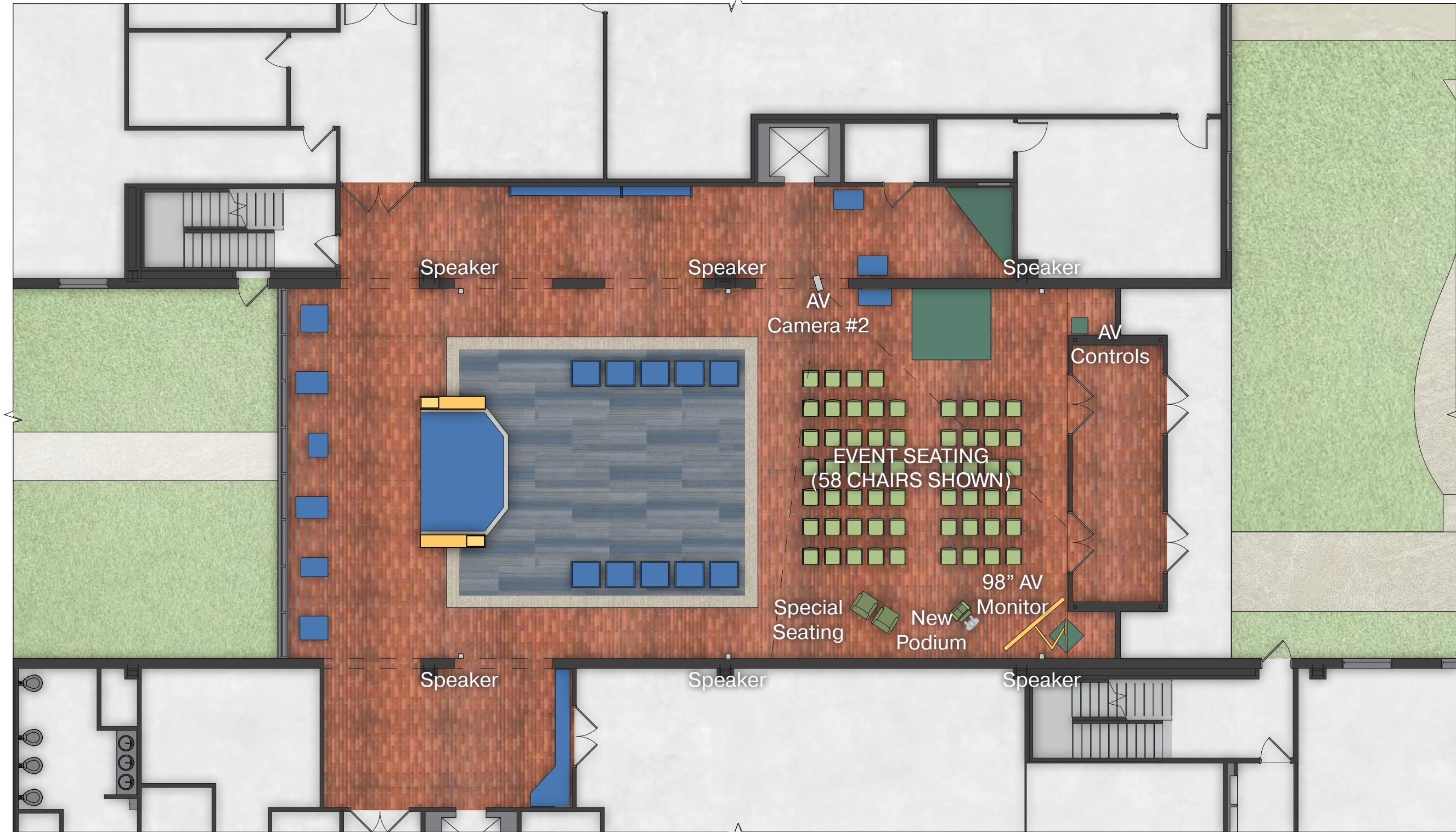
Plan

Scale: 3/32" = 1'-0"



7 Broadcasting Solution

EVENT SETUP B



1 Plan
Scale: 3/32" = 1'-0"



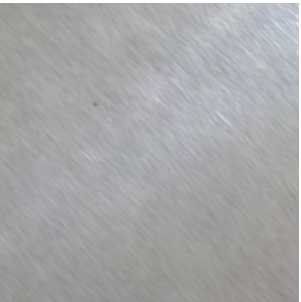
REFERENCE IMAGES:
Existing Finishes



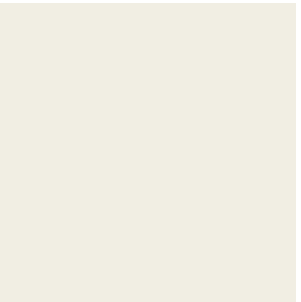
Proposed Materials



Dark Wood



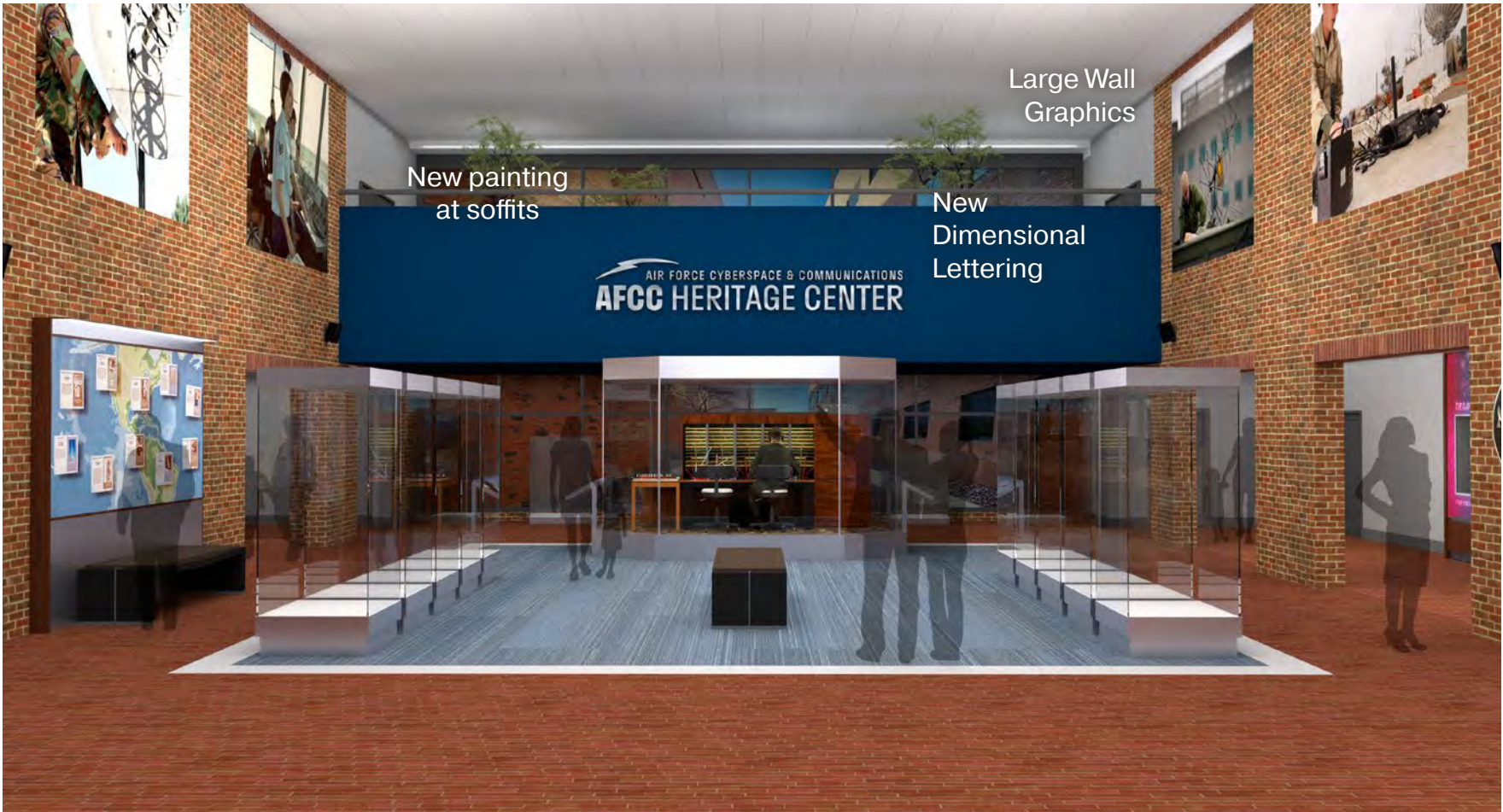
Light Metal to match
existing cases



Benjamin Moore
Moonlight White
2143-70



Benjamin Moore
Symphony Blue
2060-10



8 Materials & Finishes



AIR FORCE CYBERSPACE & COMMUNICATIONS **AFCC HERITAGE CENTER**



The Air Force Cyberspace & Communications Heritage Center
203 W Losey St, Scott Air Force Base, Illinois 62225

Open Monday through Friday 8:00AM – 4:00PM Closed on weekends and federal holidays. Base access required.
For tours, base access, or correspondence email: **HQCCC.AFCC.HeritageCenter@us.af.mil**