FY26 BOMBER AGILE COMMON HANGER (BACH) TINKER AFB – SAME JOINT MEETING

21 July 2026

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PROJECT TEAM

U.S. Army Corps of Engineers Tulsa District

mh+mh

Mason&Hanger
A Day & Zimmermann Company

Mead&Hunt
EXPERIENCE EXCEPTIONAL

LDG

CRAWFORD
CONSULTING SERVICES

A & M Engineering and Environmental Services, Inc.
Consulting - Design - Construction - Remediation

GUY
ENGINEERING

MAC

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AGENDA

- ❑ Project Background and Overview
- ❑ Bomber Campus Development Plan
- ❑ Design Overview
- ❑ Construction Sequence and Construction Risks
- ❑ Additional Information

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TINKER AFB PROJECT LOCATION

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TINKER AIR FORCE BASE

BOMBER CAMPUS DEVELOPMENT PLAN

OKLAHOMA CITY ALC

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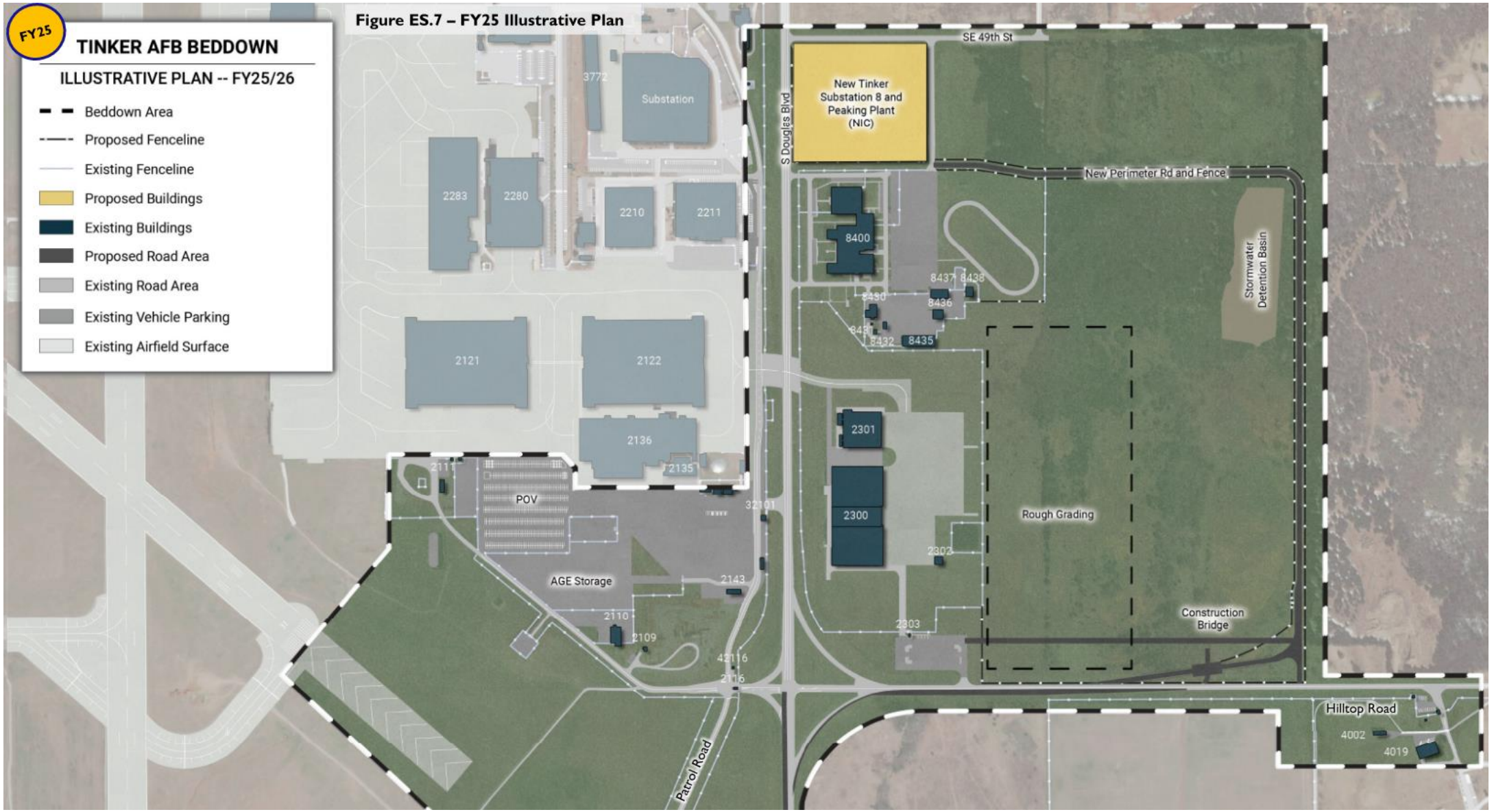
BOMBER CAMPUS DEVELOPMENT PLAN



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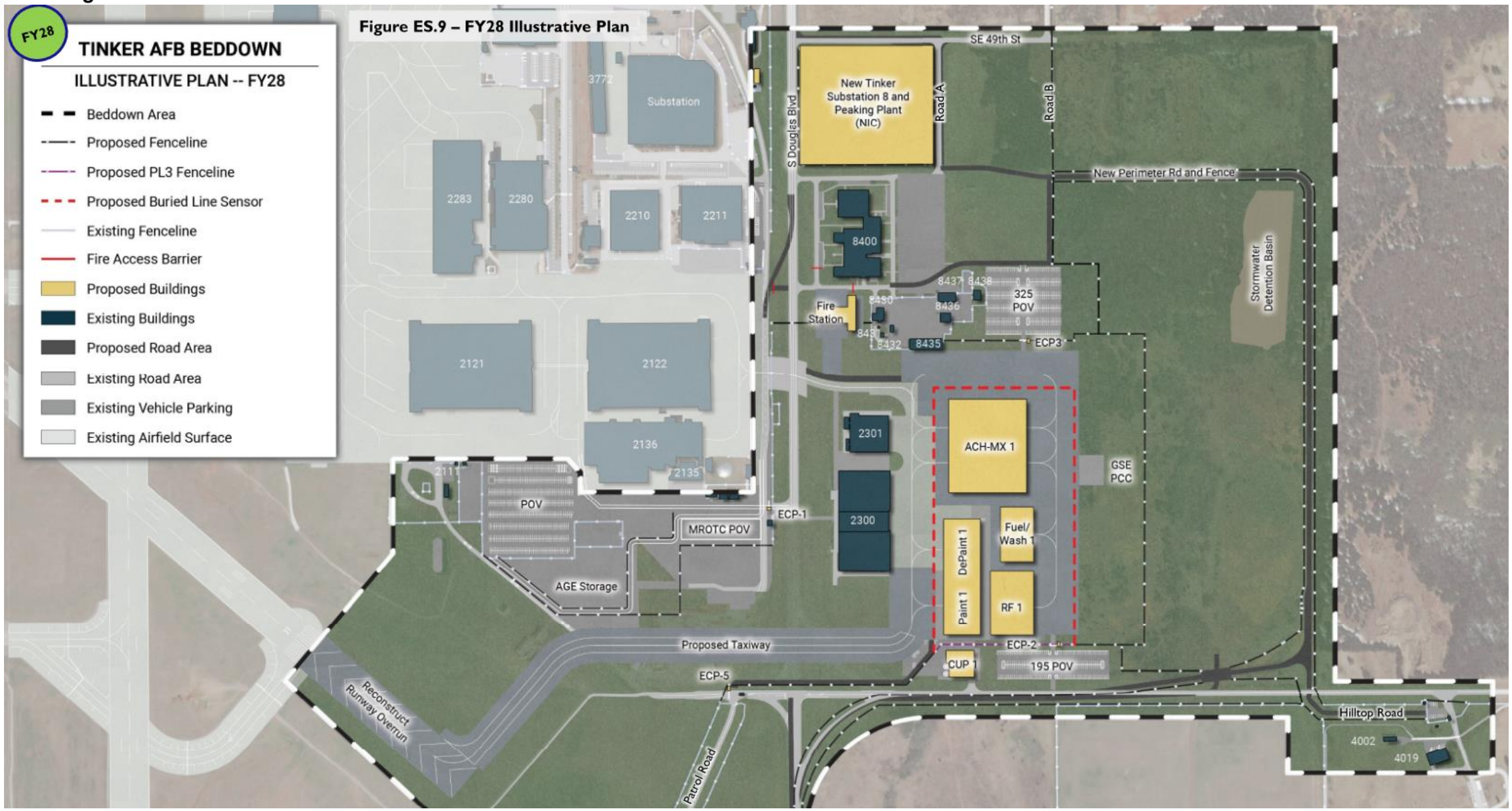
BOMBER CAMPUS DEVELOPMENT PLAN



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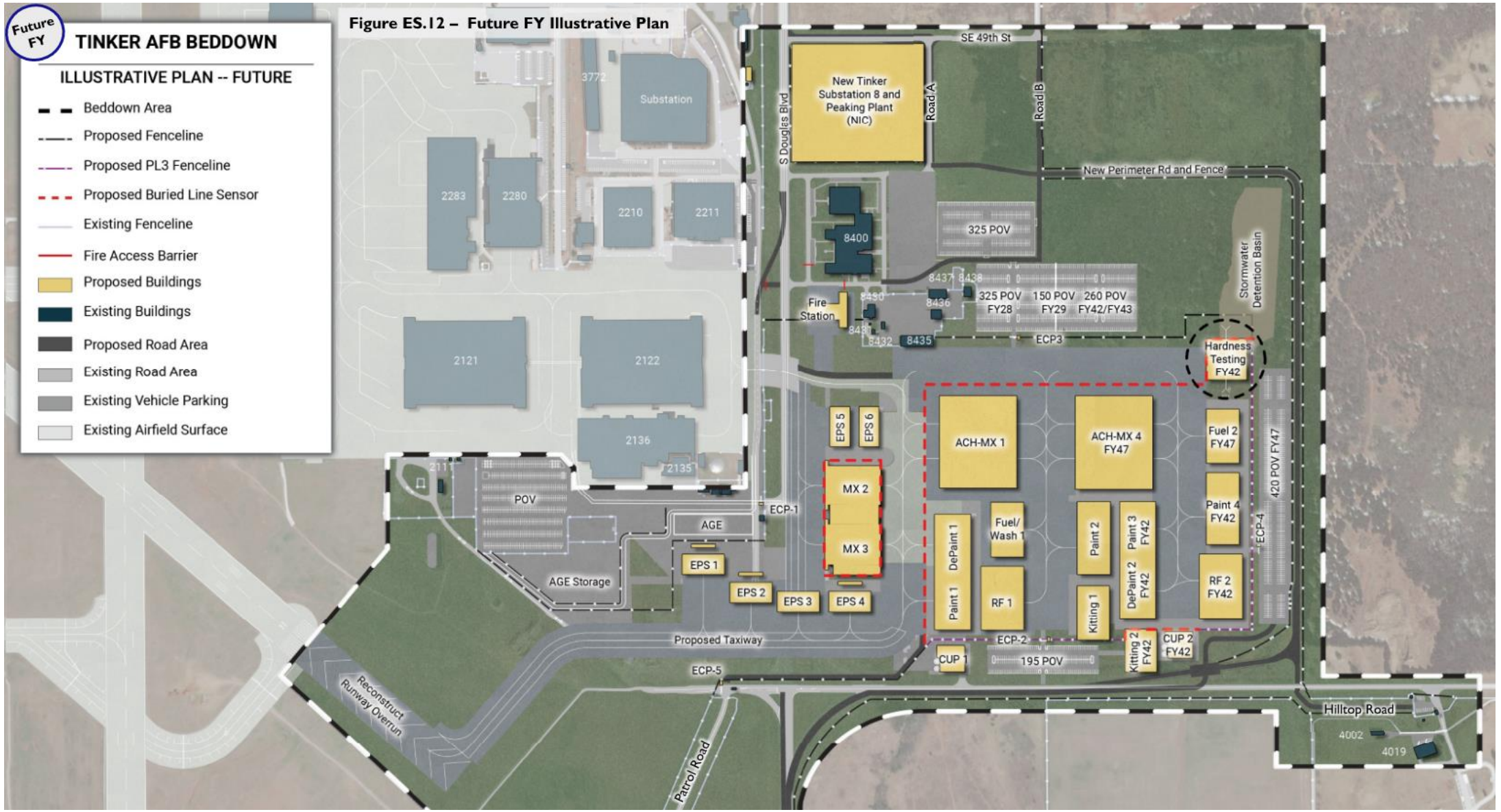
BOMBER CAMPUS DEVELOPMENT PLAN



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PROJECT BACKGROUND AND OVERVIEW

Construct a Bomber Agile Common Hangar (BACH) at Tinker Air Force Base, Oklahoma. This hangar will provide a maintenance area to support increases in bomber workload and programmed depot maintenance (PDM) activations. Specifically, the facility is needed to activate two major bomber fleet requirements: B-52 modernization and B-21 PDM activation. The B-52 modernization is estimated to increase the time the aircraft is in depot maintenance by 40%. The modernization consists of radar modernization, advanced high frequency antenna installs, and commercial engine replacement. In addition, the facility will be used for B-21 program depot maintenance when required.This project constructs a 4-dock hangar for program depot maintenance.

The facility consists of a single-story structural steel framed hangar bay with interior steel columns and trusses on a cast-in-place concrete slab. Support spaces include single-story shops with a second story administration on one side constructed as a steel framed system. The hangar bay will be comprised of a standing seam metal roof with the support areas having a low slope single ply membrane roof. Special deep foundations consisting of piers & driven piles are included. Supporting facilities include all necessary utilities and connections, site demolition and earthwork, apron pavements, fencing, and site improvements to provide a complete and useable facility.

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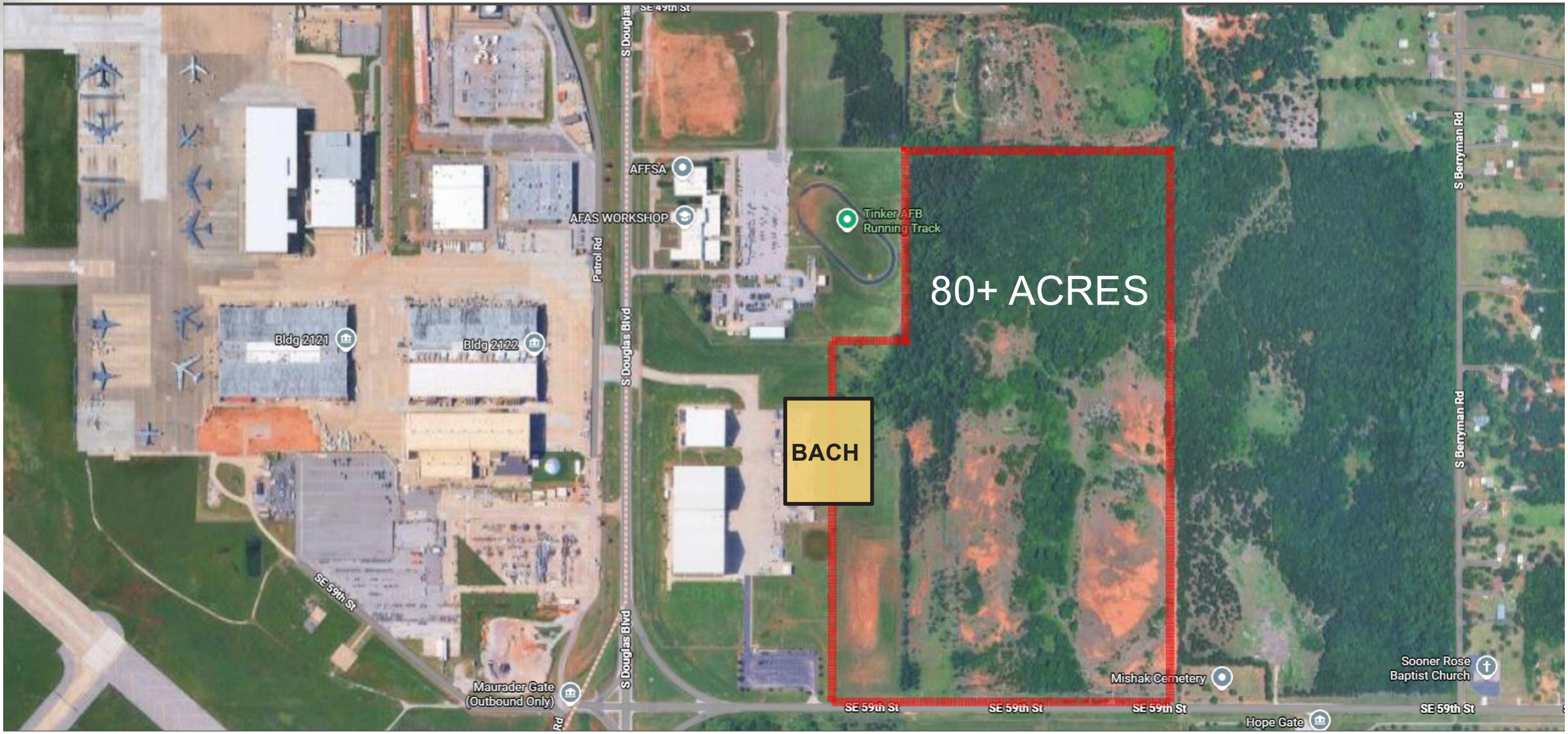
LAND ACQUISITION - 2025



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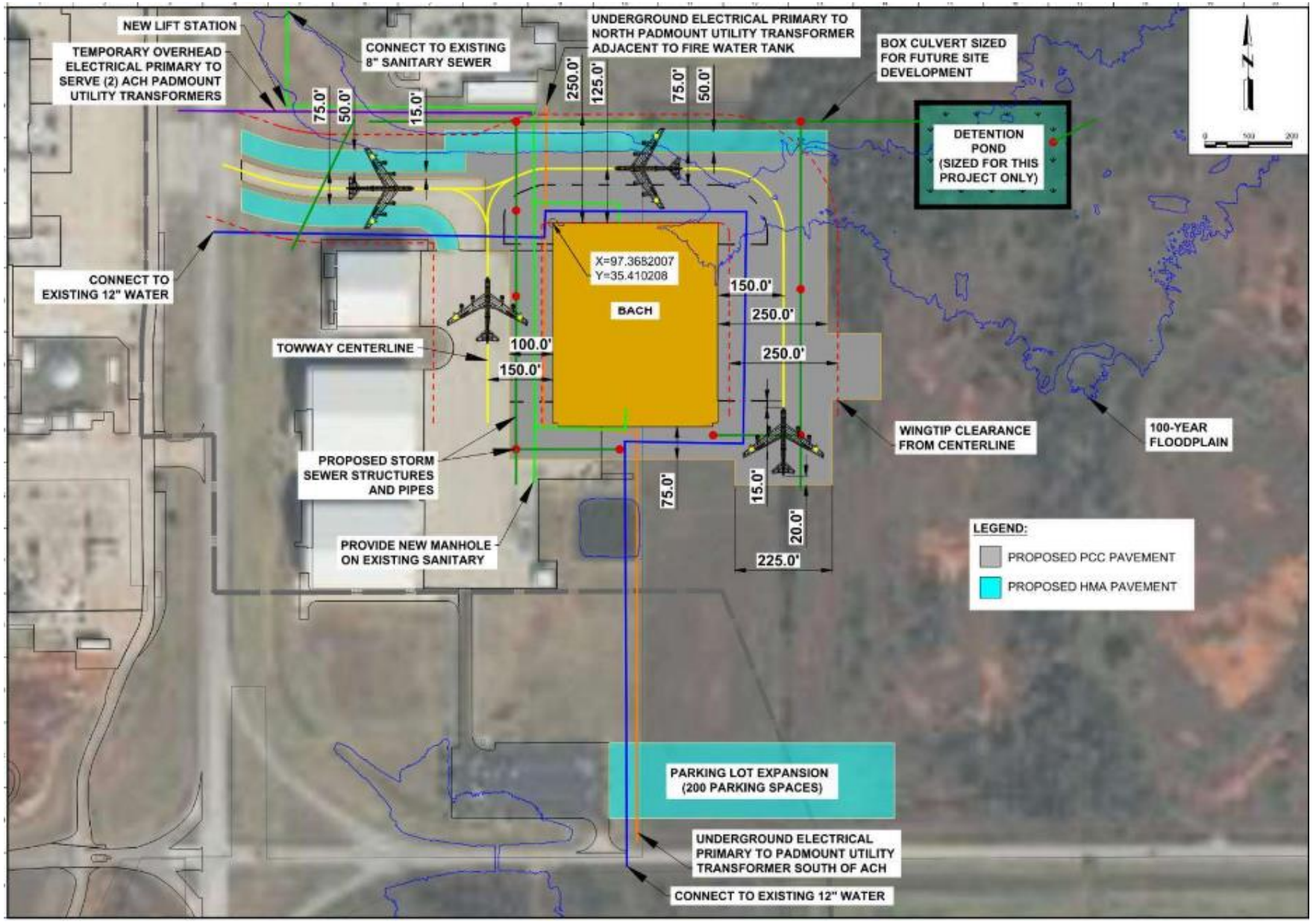
BACH SITE PLAN



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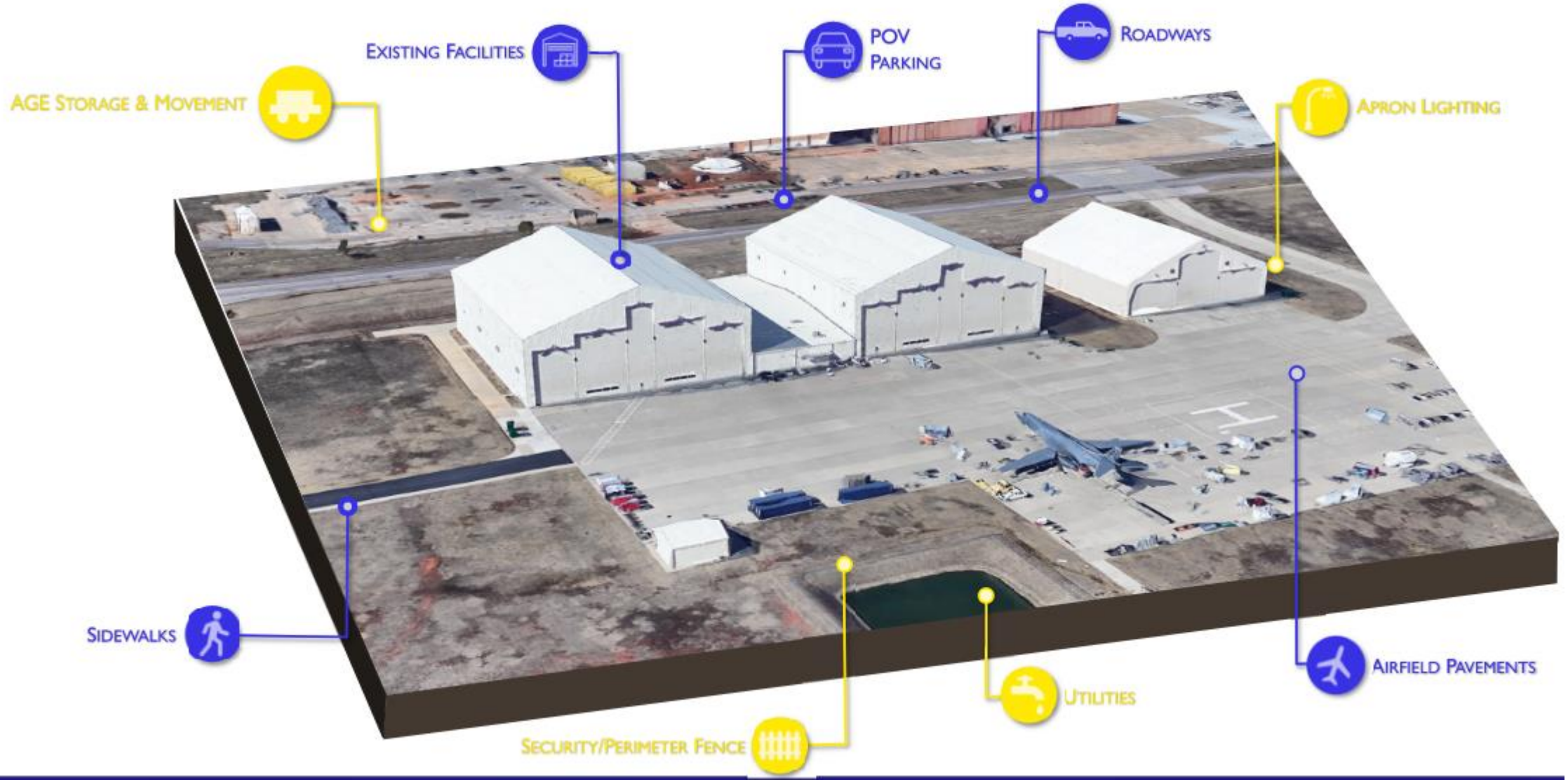
EXISTING CONDITIONS



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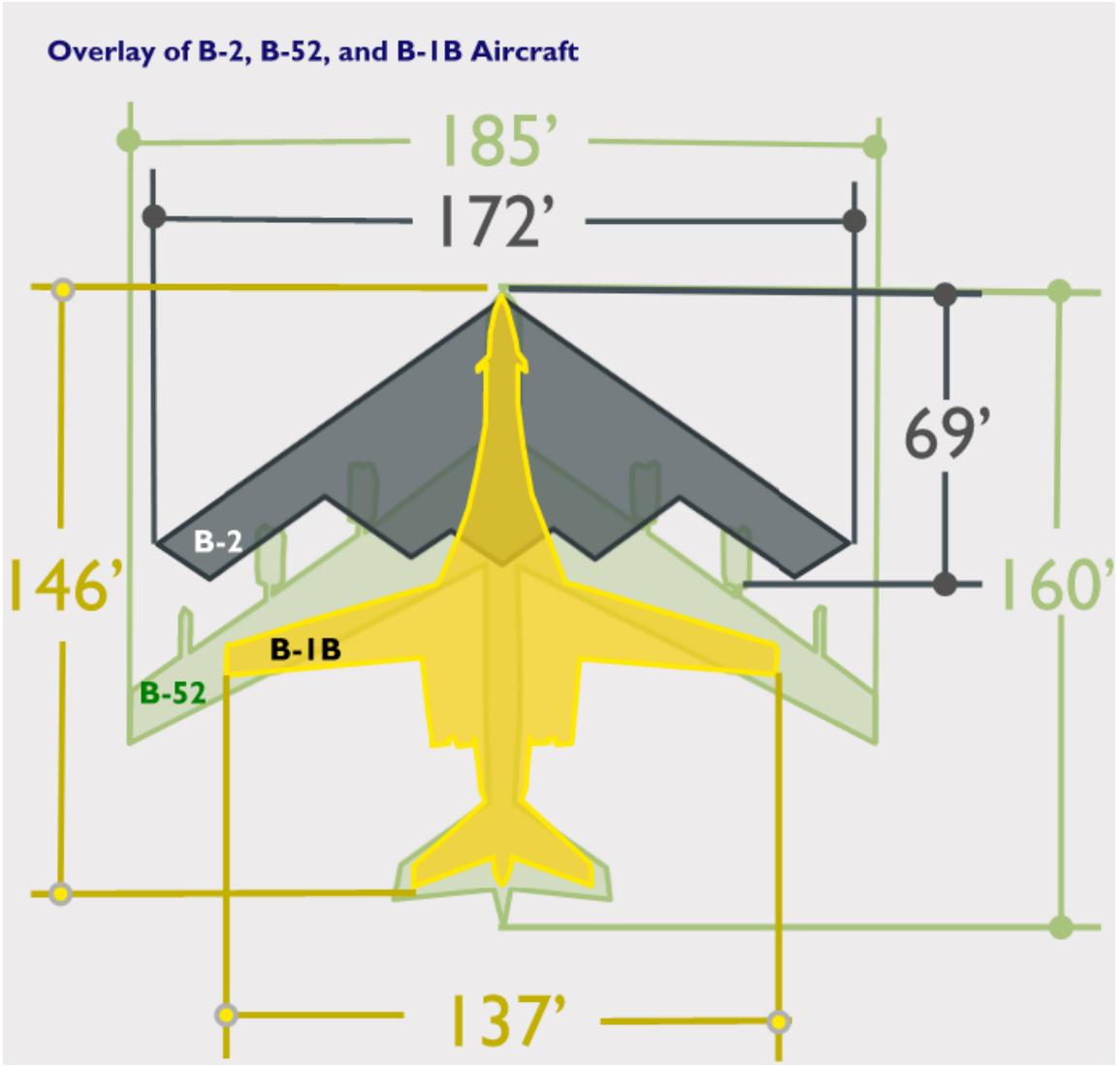
BY THE NUMBERS

The BACH is designed as a massive, high-bay prototype facility spanning approximately 196,791 square feet

The Hangar Bay (139,256 SF): A single-story, structural steel-framed hangar bay featuring full-span trusses over a cast-in-place concrete slab. It is built with a standing seam metal roof and requires special deep foundations consisting of piers and driven piles.

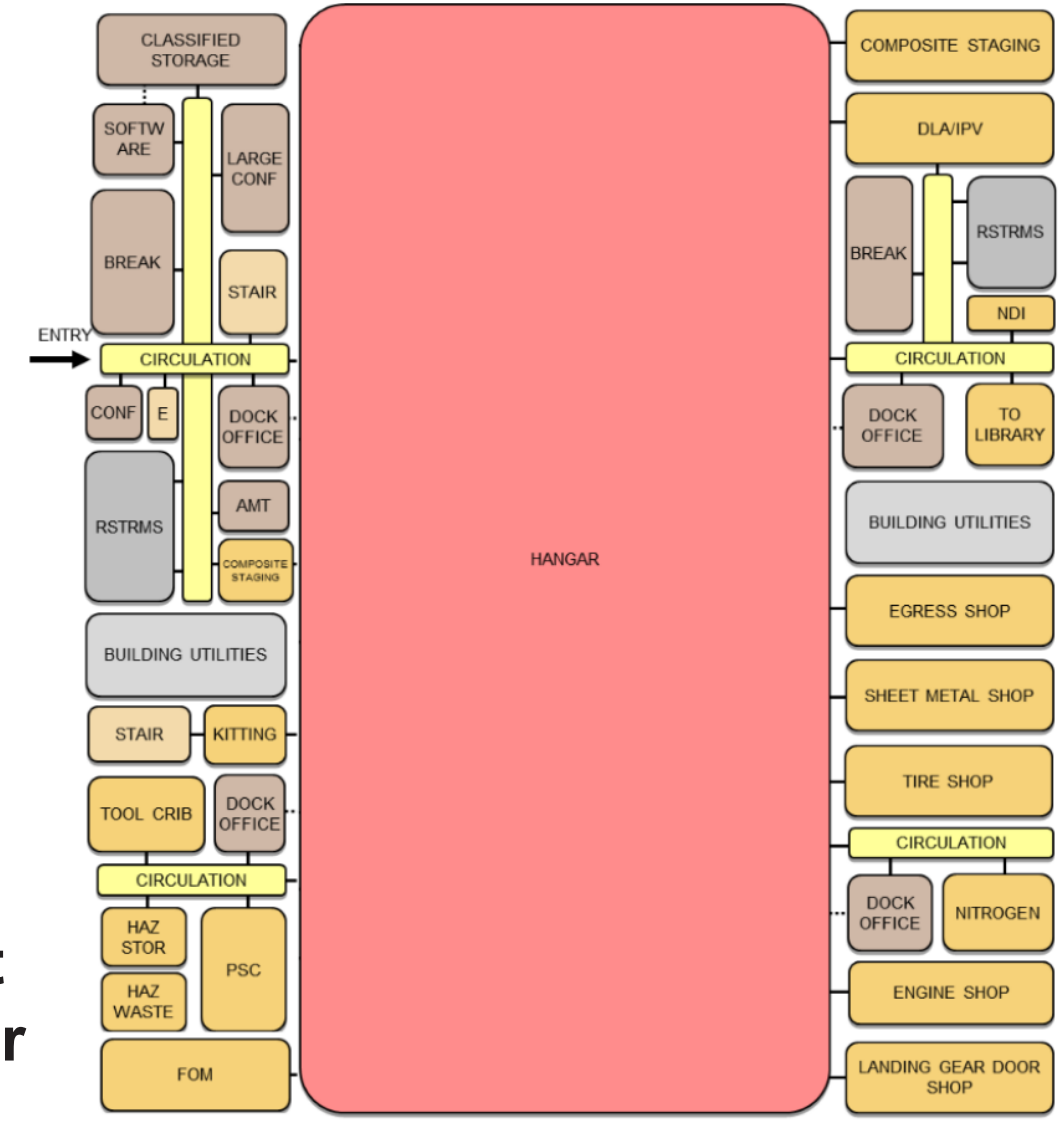
The Shop Side (16,381 SF north section): A single-story shop area configured for active, hands-on component maintenance.

The Administrative Side (41,154 SF south section): A two-story administrative and support space containing private offices, training/break rooms, lockers, restrooms, hazardous material storage, and a dedicated FEMA storm shelter for personnel safety.

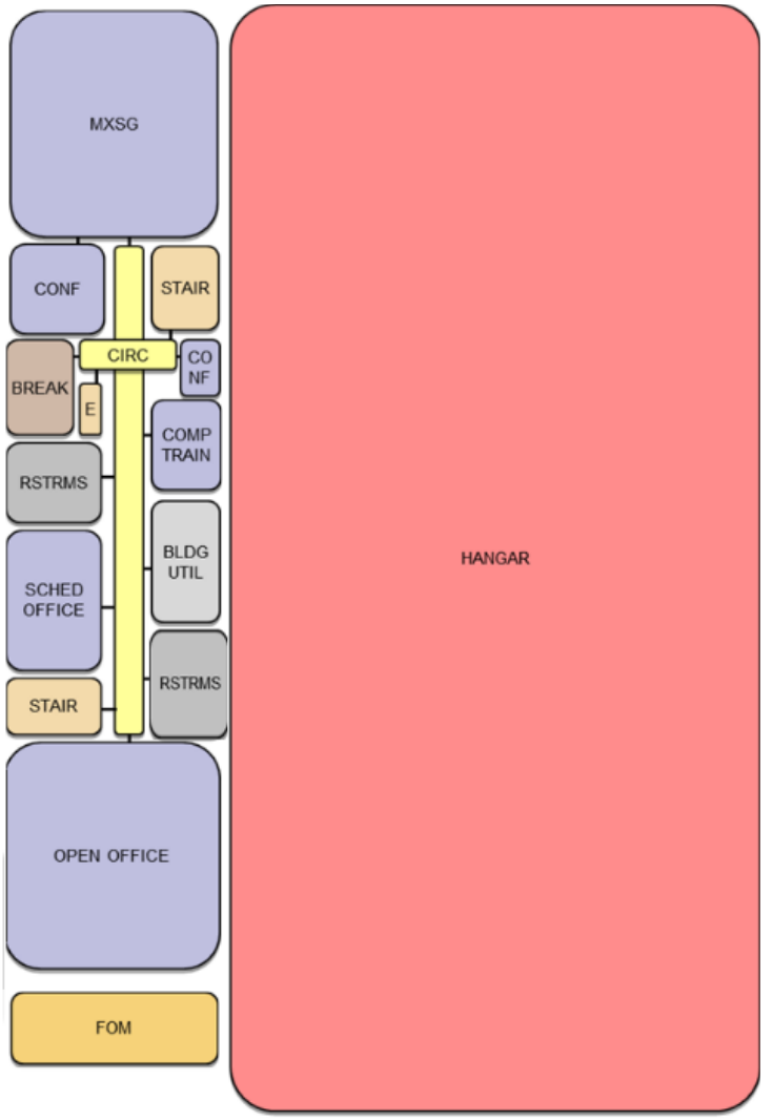


ADJACENCY DIAGRAMS– PCR – JUNE 2021

First Floor



Second Floor



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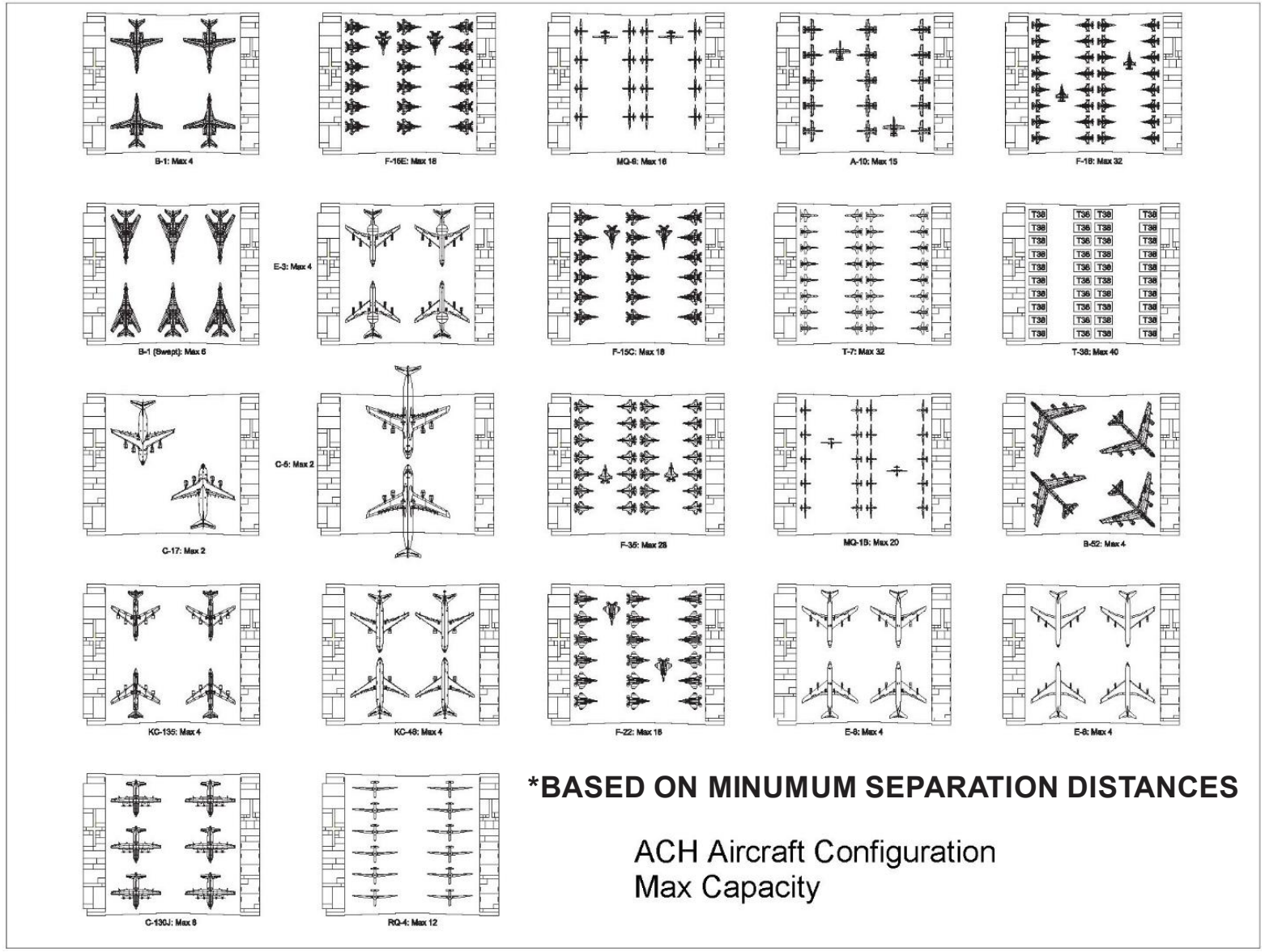
ACH MAXIMUM CAPACITY PER AIRCRAFT

Included Air Frames

B-52
B-1
C-5
F-15E
MQ-e
A-10
E-3
E-8
F-15C
T-7
KC-135
KC-48
F-22
F-35



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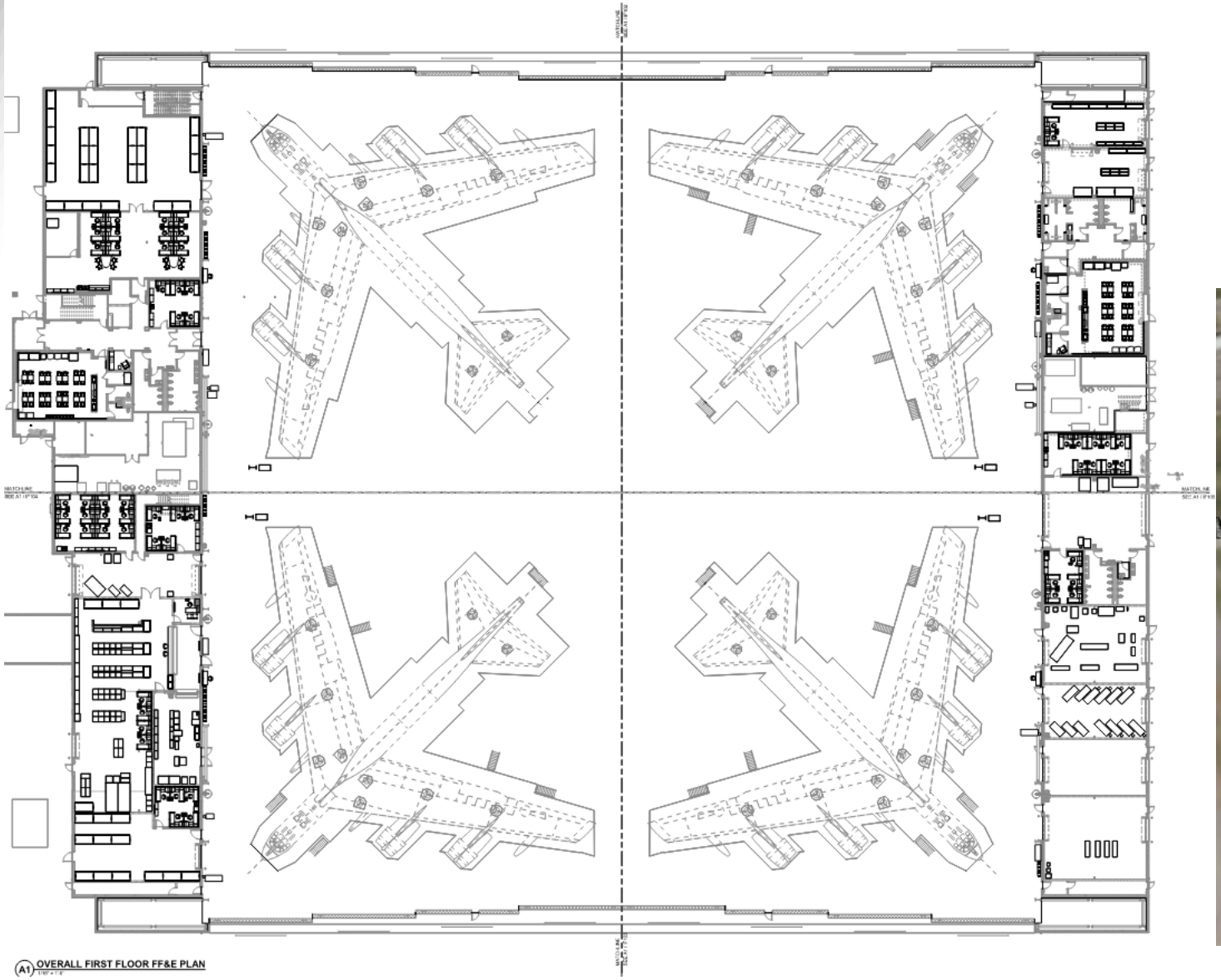
OVERALL FLOOR PLAN



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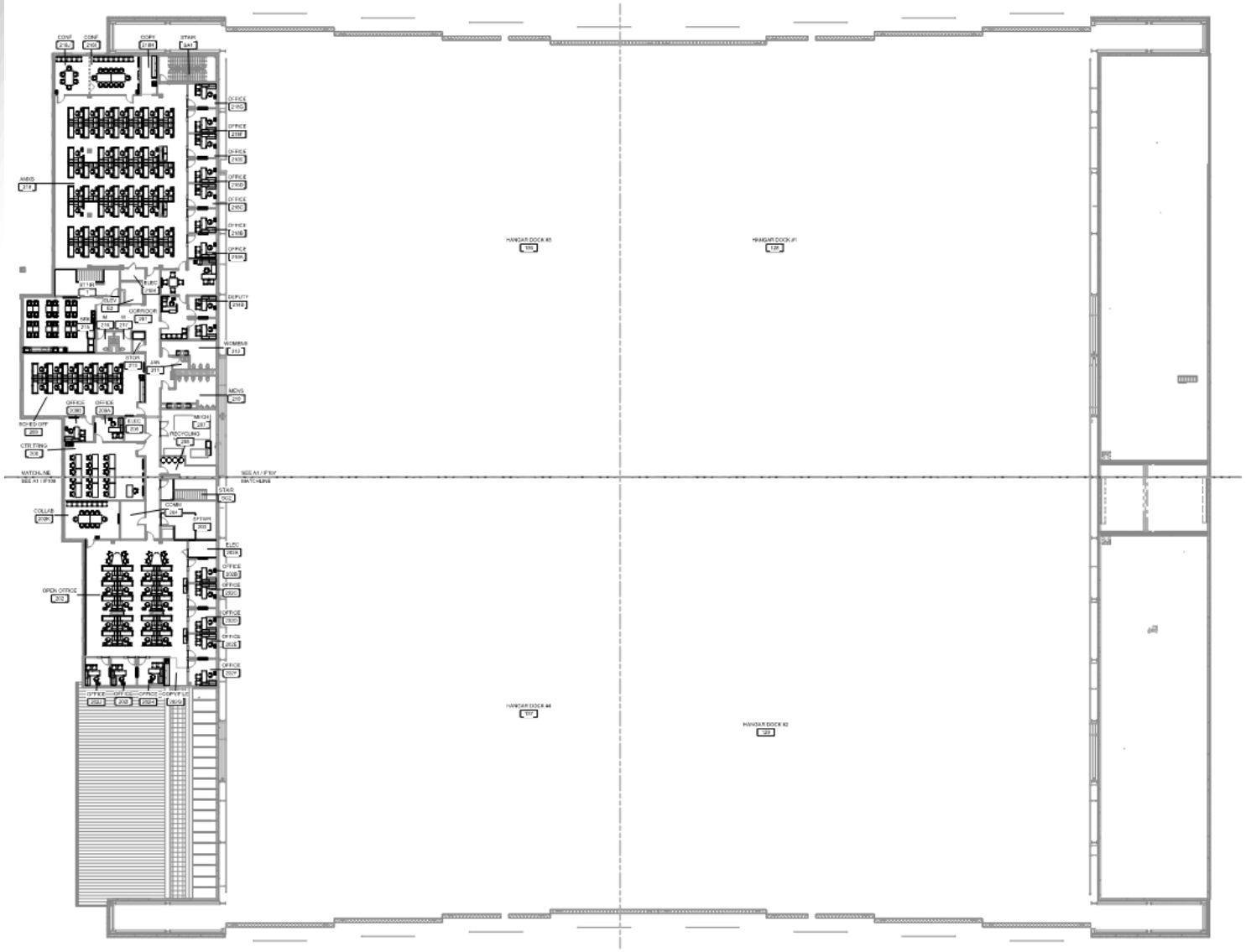
OVERALL SECOND FLOOR PLAN



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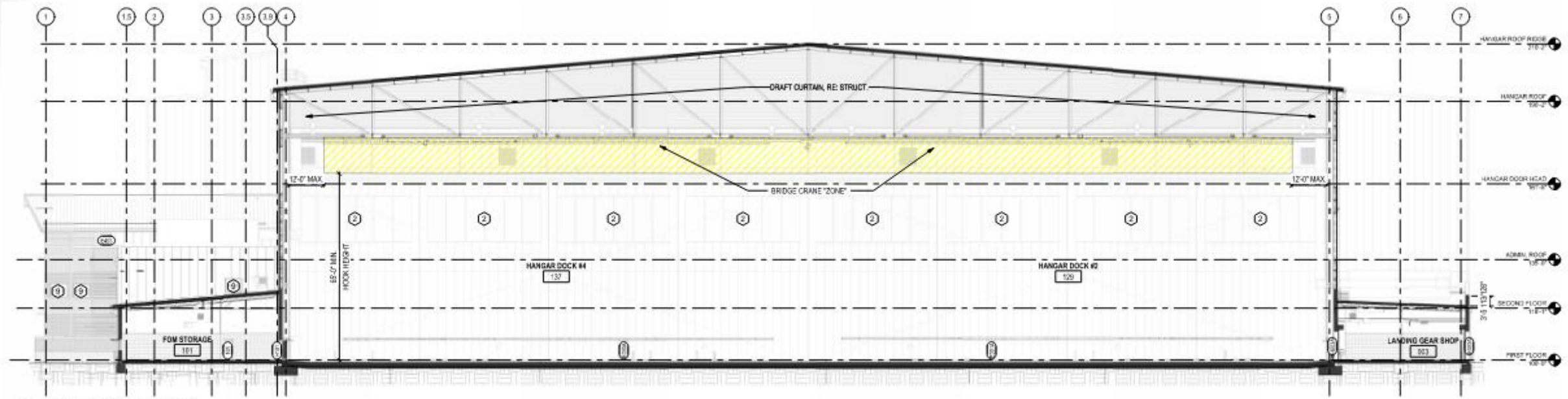
BUILDING SECTION



G1 BUILDING SECTION

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CONCEPT RENDERINGS

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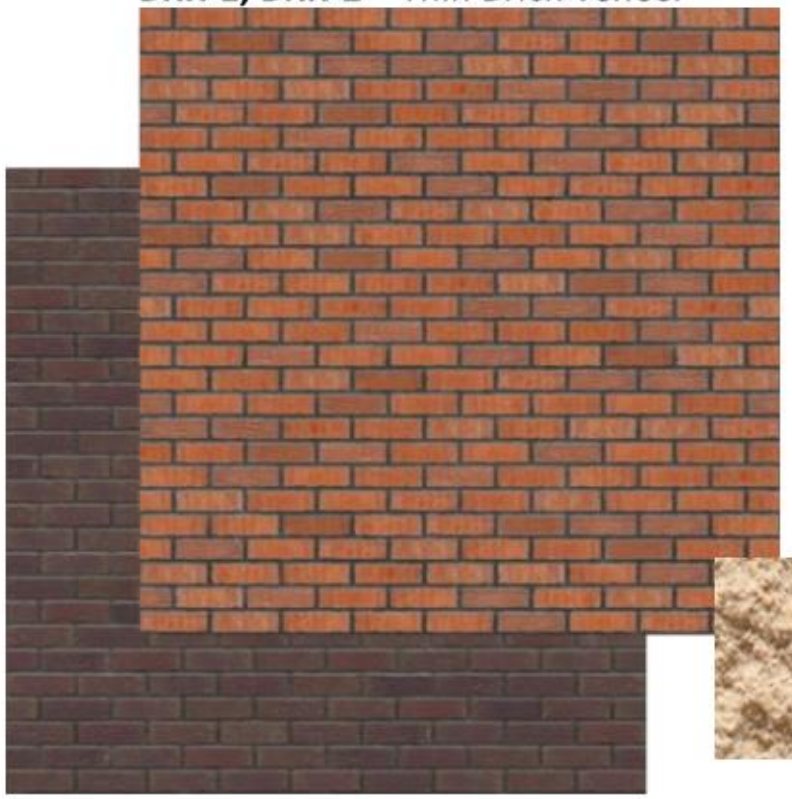
EXTERIOR FINISHES

Exterior Finishes

RF-1 – *Prefinished Standing Seam Metal Roof*

AL-1 – *Aluminum, PVDF Finish (Aluminum Entrances, Window Frames, Ext. Trim)*

BRK-1, BRK-2 – *Thin Brick Veneer*



MV – *Thin Masonry Veneer*

MWP – *Prefinished Metal Wall Panel*

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6 GUIDING PRINCIPLES

1. EMPLOY INTEGRATED DESIGN PRINCIPLES

- Integrated Design
- Commissioning

2. OPTIMIZE ENERGY PERFORMANCE

- Energy Efficiency
- Onsite Renewable Energy
- Metering

3. PROTECT AND CONSERVE WATER

- Indoor Water Use
- Outdoor Water Use
- Alternative Water
- Stormwater Management

4. ENHANCE INDOOR ENVIRONMENTAL QUALITY

- Ventilation and Thermal Comfort
- Daylighting and Lighting Controls
- Indoor Air Quality
- Occupant Health and Wellness

5. REDUCE ENVIRONMENTAL IMPACTS OF MATERIALS

- Material Content and Performance
- Waste Diversion and Materials Management

6. ASSESS AND CONSIDER CLIMATE CHANGE RISKS

- Address Climate Change Risks