AEC EXHIBITION HALL EXPANSION

01 Quick Orientation and Review

02 90% Design Development Update

03 Schedule Update

04 Next Steps

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Quick Orientation and Review

Creating a Place-Based Experience

OUR REGION

PERSONALITY / IDENTITY

Active, vibrant, healthy
Work hard/Play hard, **friendly**
Eclectic, **creative**
Forward-looking, **innovative**

THEMES

Lakes and glacial landscape
AG and local **food**
Diverse cultures and **heritage**
Innovation, tech, and Bio

PLACE-BASED EXPERIENCE

AEC CAMPUS

ACTIVITIES

Gather, share,
learn, **connect**
Compete, **celebrate**,
entertain, honor

FOUNDATIONS

Convenient and **connected**,
accessible and **inclusive**, walkable
and mixed-use, **sustainable**

VANDEWALLE & ASSOCIATES INC.
Shaping places, shaping change

Collaborative Inputs Toward a Unified Vision

Vision Document

Master Plan

Destination District Vision & Strategy

Past Public and Stakeholder Input

Regional Analysis & Dialog

PLACE-BASED EXPERIENCE OVERLAY

VANDEWALLE & ASSOCIATES INC.
Shaping places, shaping change

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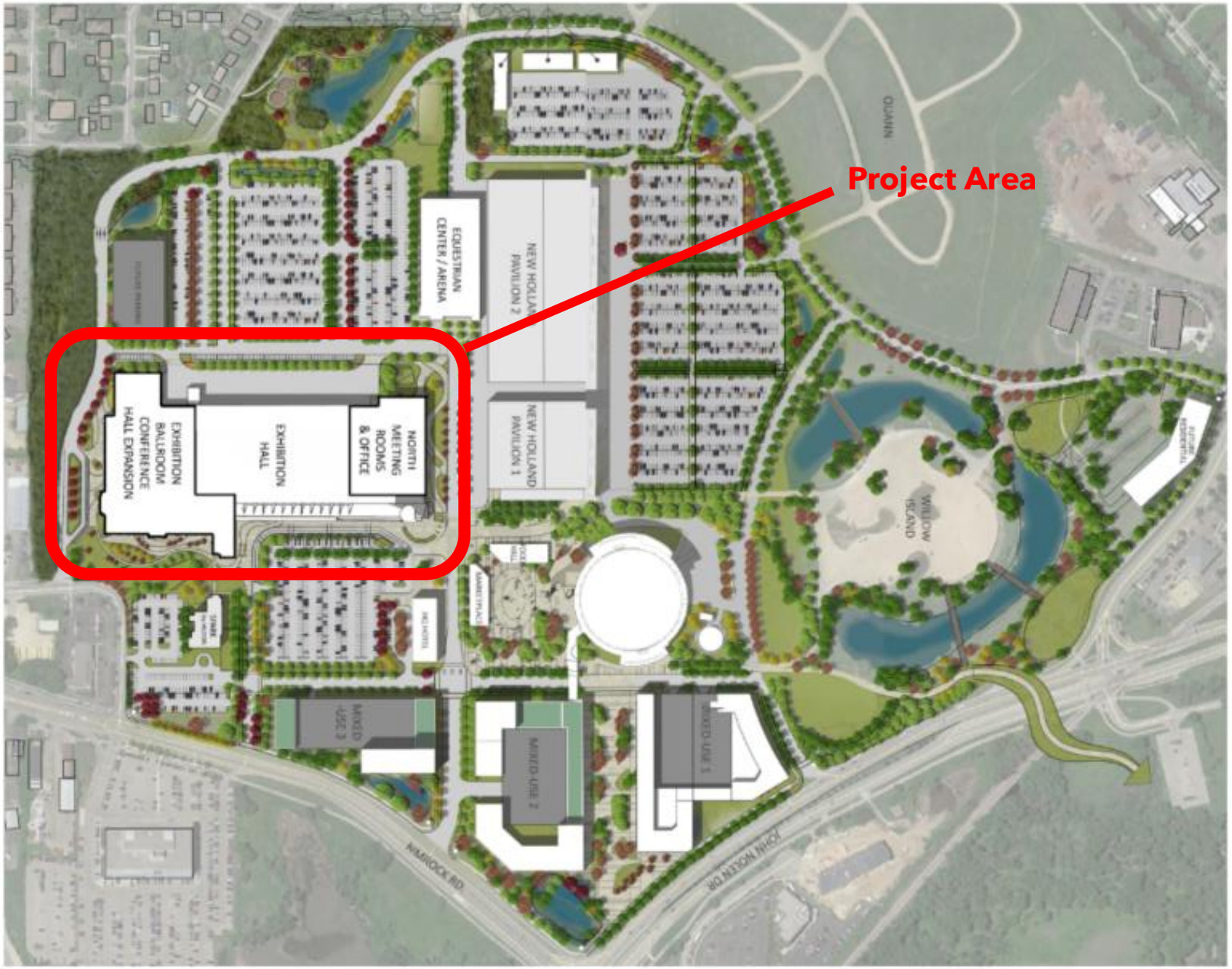
Current Master Plan and AEC Exhibition Hall Expansion's Contribution



AEC Exhibition Hall:

- First major project to advance the ideals of a unified campus identify.
- An opportunity to tell the story of local and regional culture, heritage, and brand through intentional experiential design.
- A place to gather, connect, celebrate, entertain, and learn.
- Integration of creativity, art, innovation, and technology with design influences from nature, agriculture, and our lakes.

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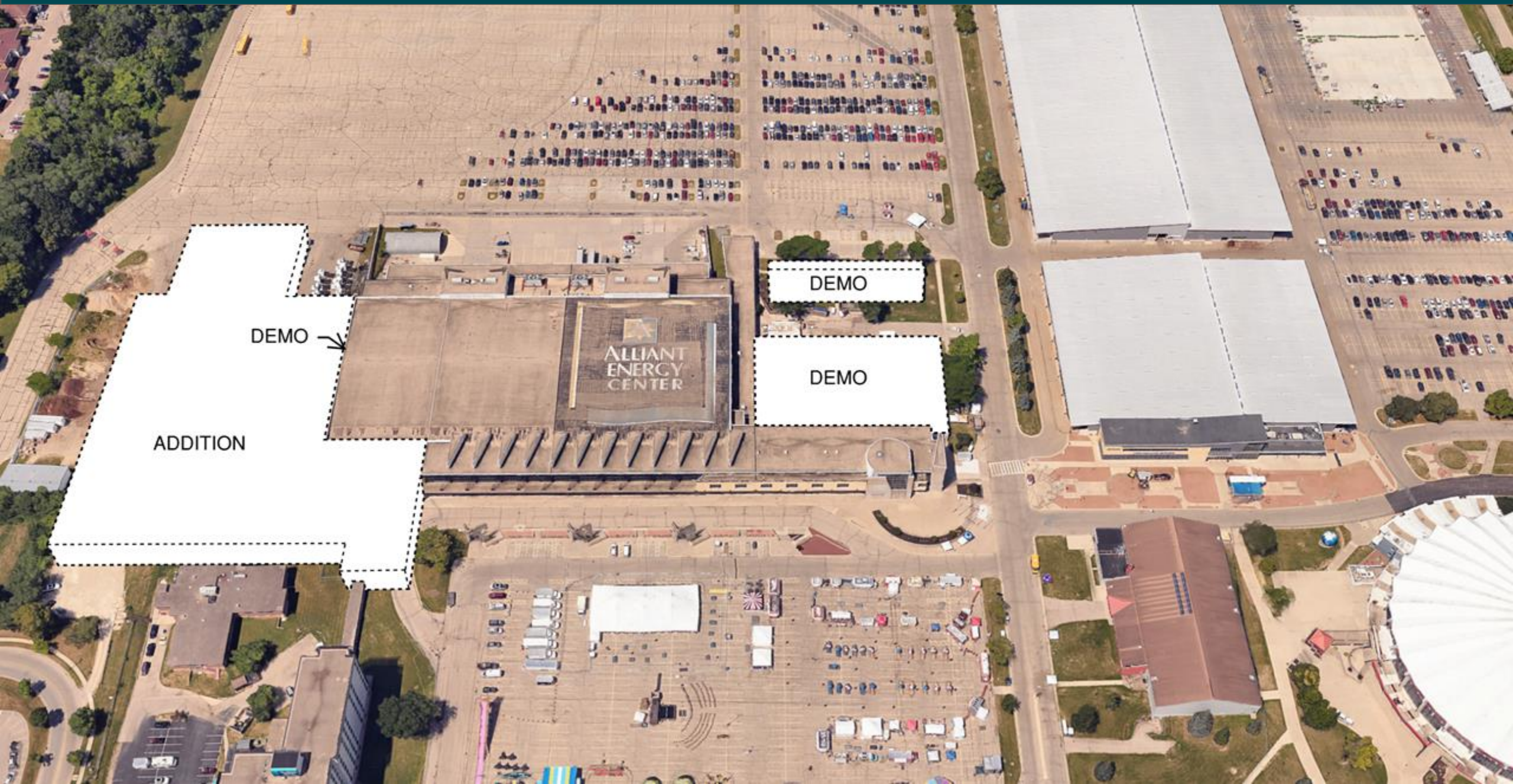
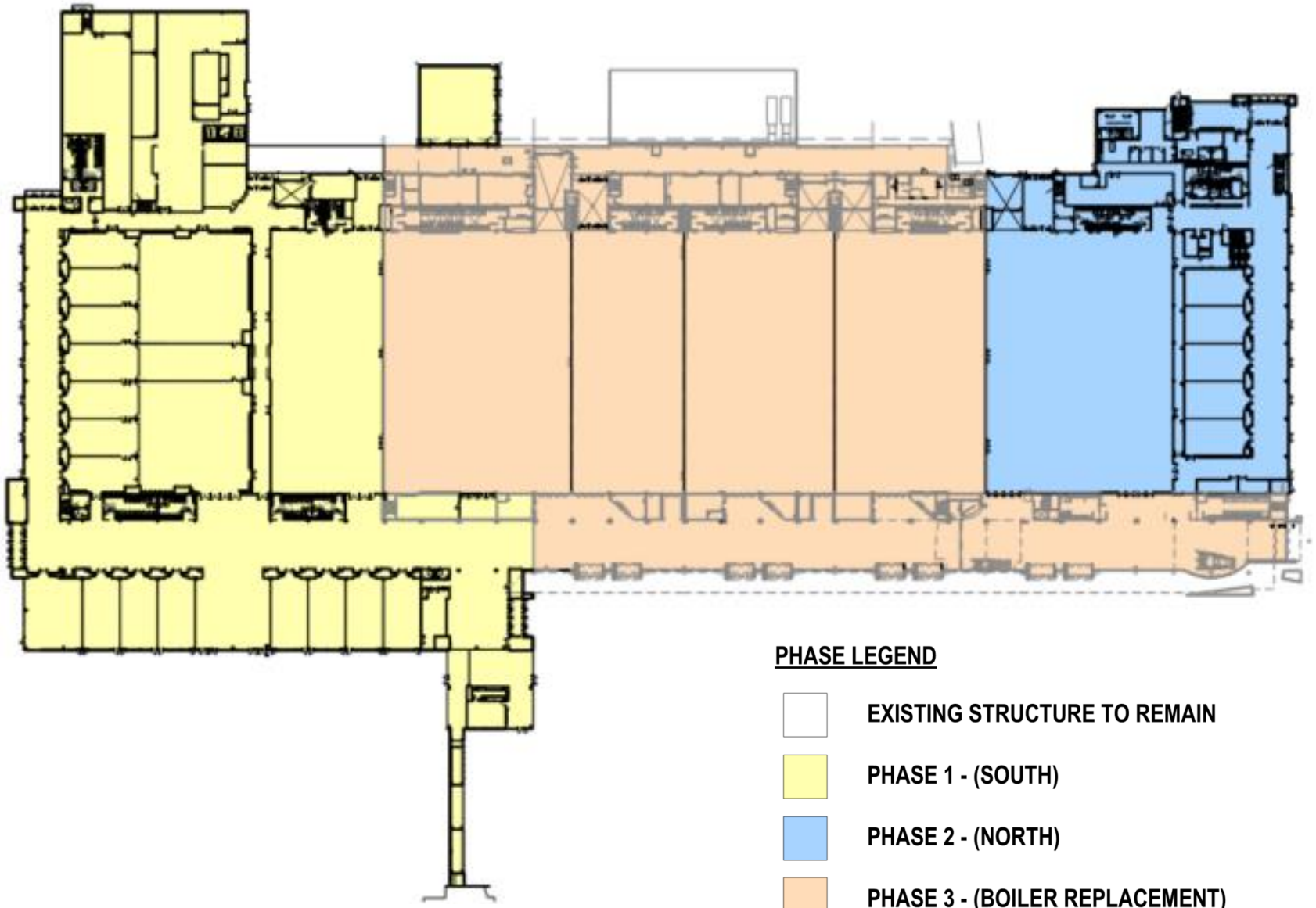
Existing Exhibition Hall – Aerial View



Construction Sequencing Plan



PHASE LEGEND

- EXISTING STRUCTURE TO REMAIN
- PHASE 1 - (SOUTH)
- PHASE 2 - (NORTH)
- PHASE 3 - (BOILER REPLACEMENT)

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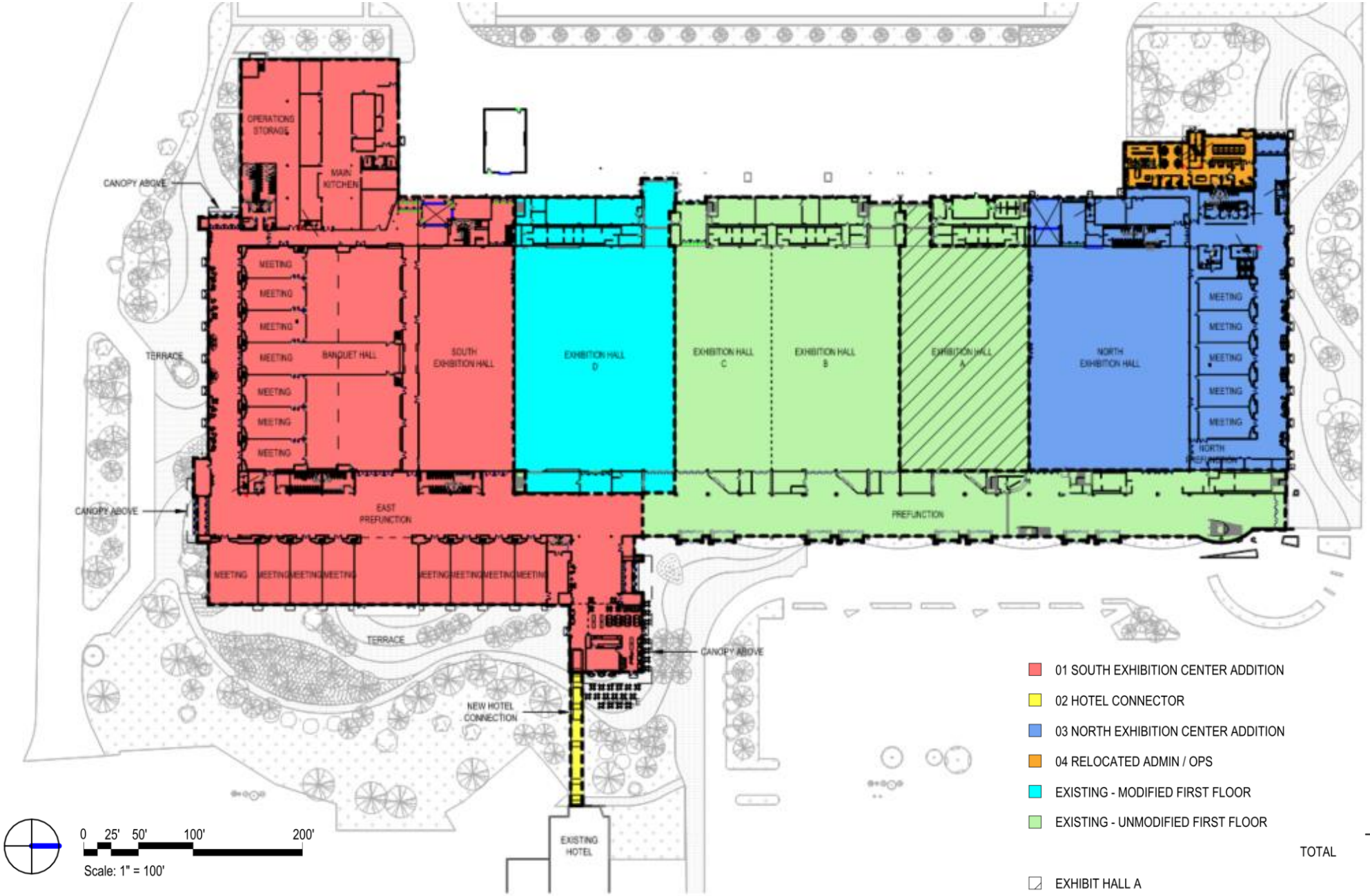
60% Design Development – Overall First Floor Plan



01 SOUTH EXHIBITION CENTER ADDITION		= 144,204 S.F.
02 HOTEL CONNECTOR		= 1,343 S.F.
03 NORTH EXHIBITION CENTER ADDITION		= 64,245 S.F.
04 RELOCATED ADMIN / OPS		= 5,625 S.F.
EXISTING - MODIFIED FIRST FLOOR		= 41,667 S.F.
EXISTING - UNMODIFIED FIRST FLOOR		= 121,576 S.F.
	TOTAL	**= 378,660 S.F.**
EXHIBIT HALL A		= 26,417 S.F.

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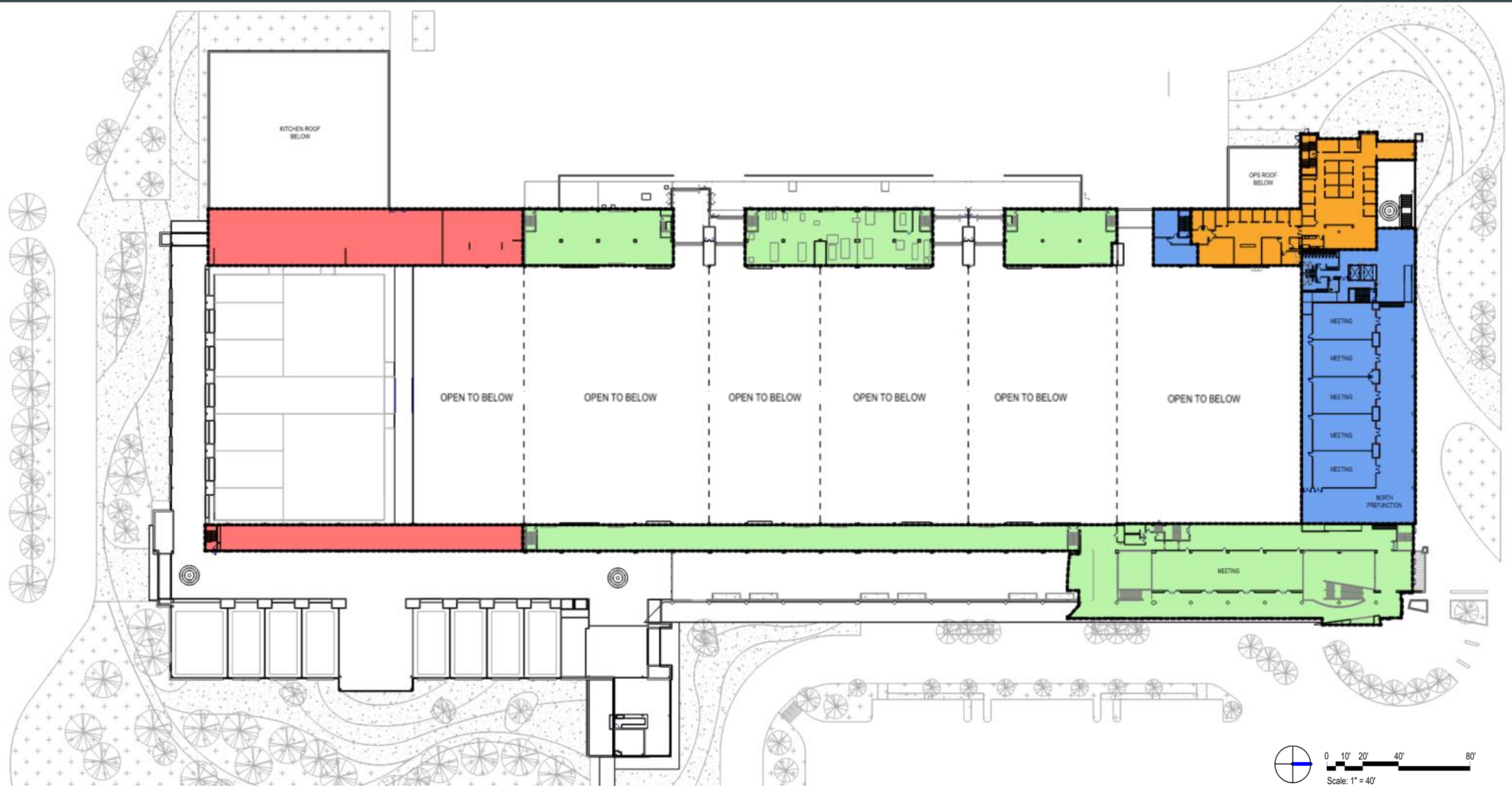
60% Design Development – Overall Second Floor & Mechanical Mezzanines



OVERALL FLOOR PLAN - SECOND LEVEL - SCOPE OF WORK

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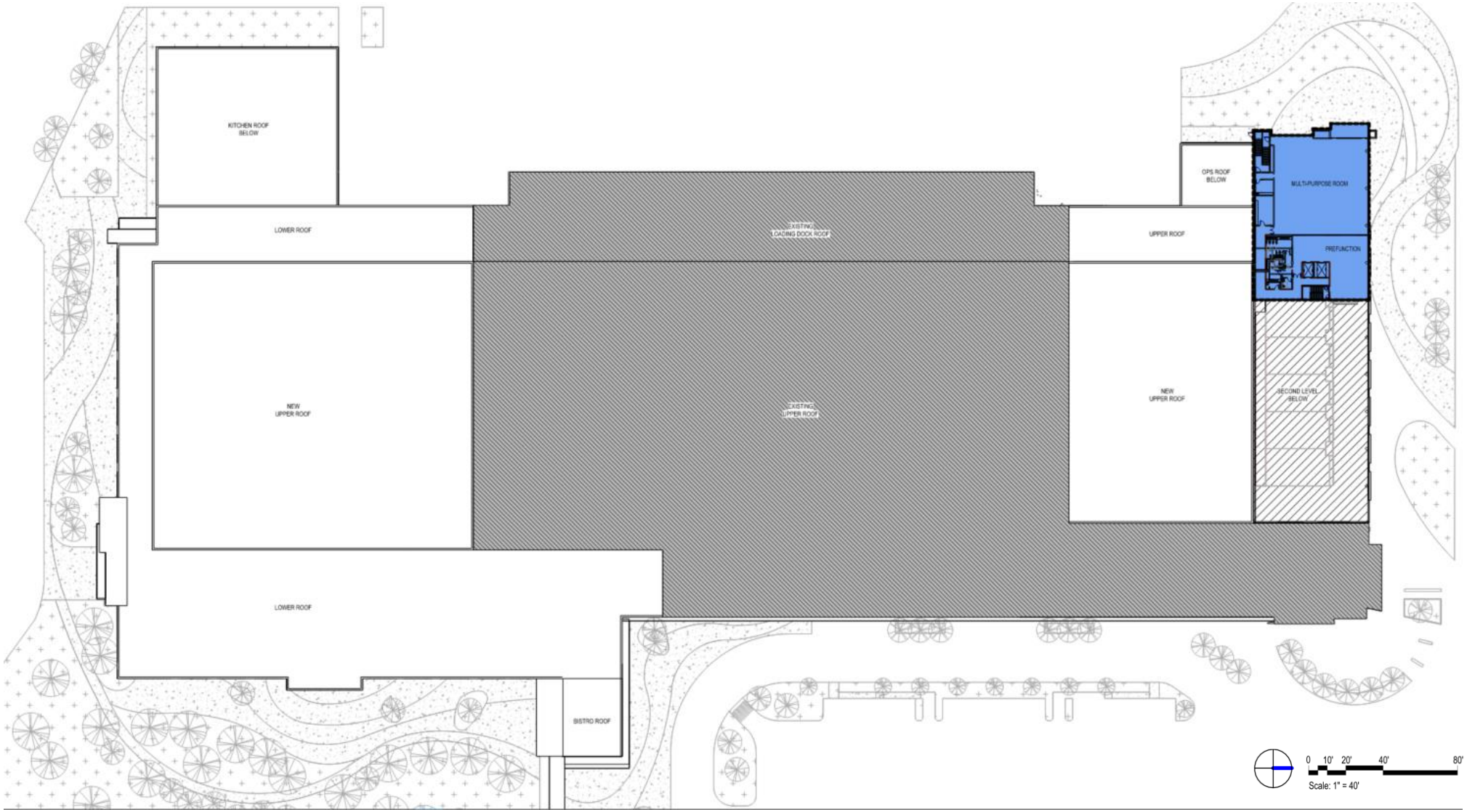
60% Design Development – Third Floor



OVERALL FLOOR PLAN - THIRD LEVEL - SCOPE OF WORK

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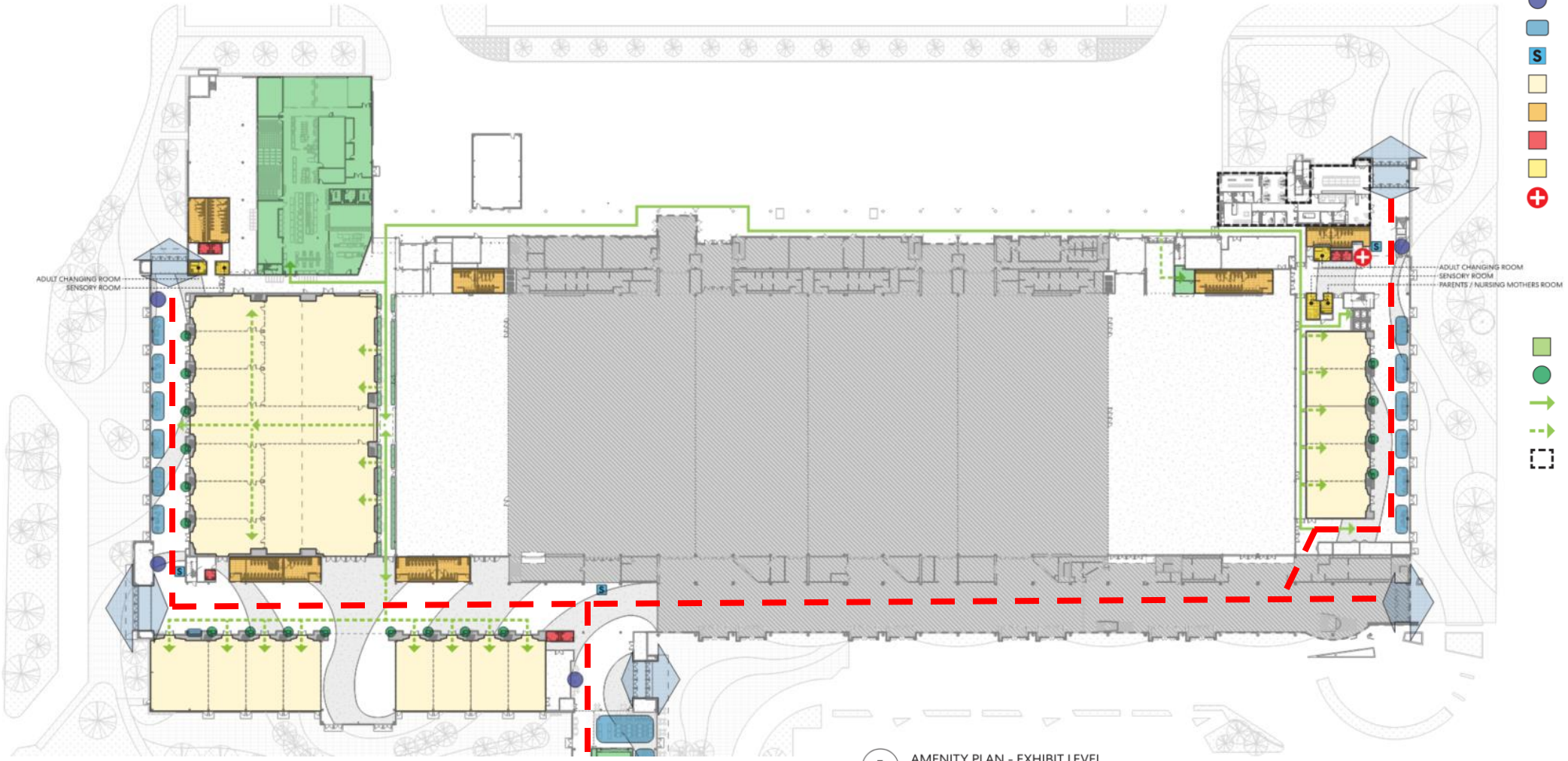
First Floor Amenities



1 AMENITY PLAN - EXHIBIT LEVEL
SCALE 1" = 40-0"

- PRIMARY ENTRY & EXITS
- CHECK-IN STATION
- SEATING AREAS W/ POWER FOR CHARGING
- PRIMARY INFORMATION SCREENS AND WAYFINDING
- MEETING ROOMS / BANQUET HALL / CONFERENCE SPACE
- MAIN PUBLIC RESTROOMS
- SINGLE USE ACCESSIBLE RESTROOMS
- AUXILLIARY SUPPORT SPACES
- FIRST AID STATION
- FOOD SERVICE KITCHEN, PREP, AND CONCESSION
- TRASH / RECYCLING BINS
- PRIMARY FOOD SERVICE CIRCULATION
- SECONDARY FOOD SERVICE CIRCULATION
- AEC / DANE COUNTY ADMINISTRATIVE OFFICES

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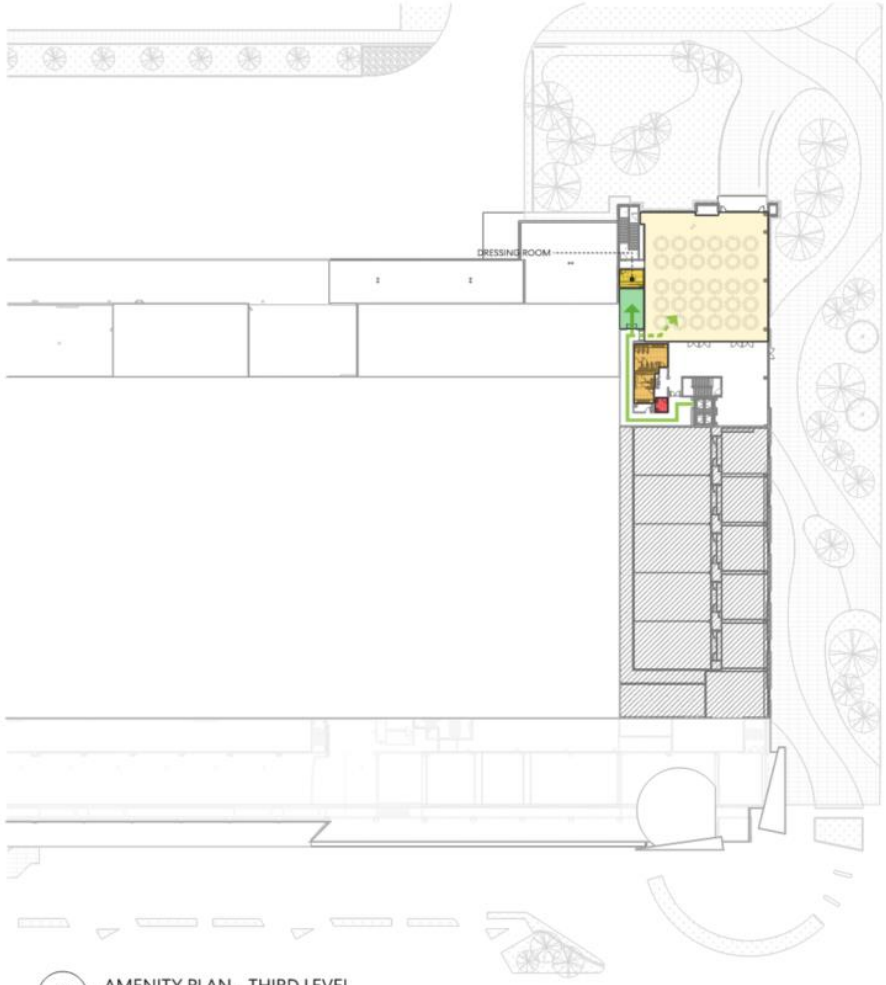
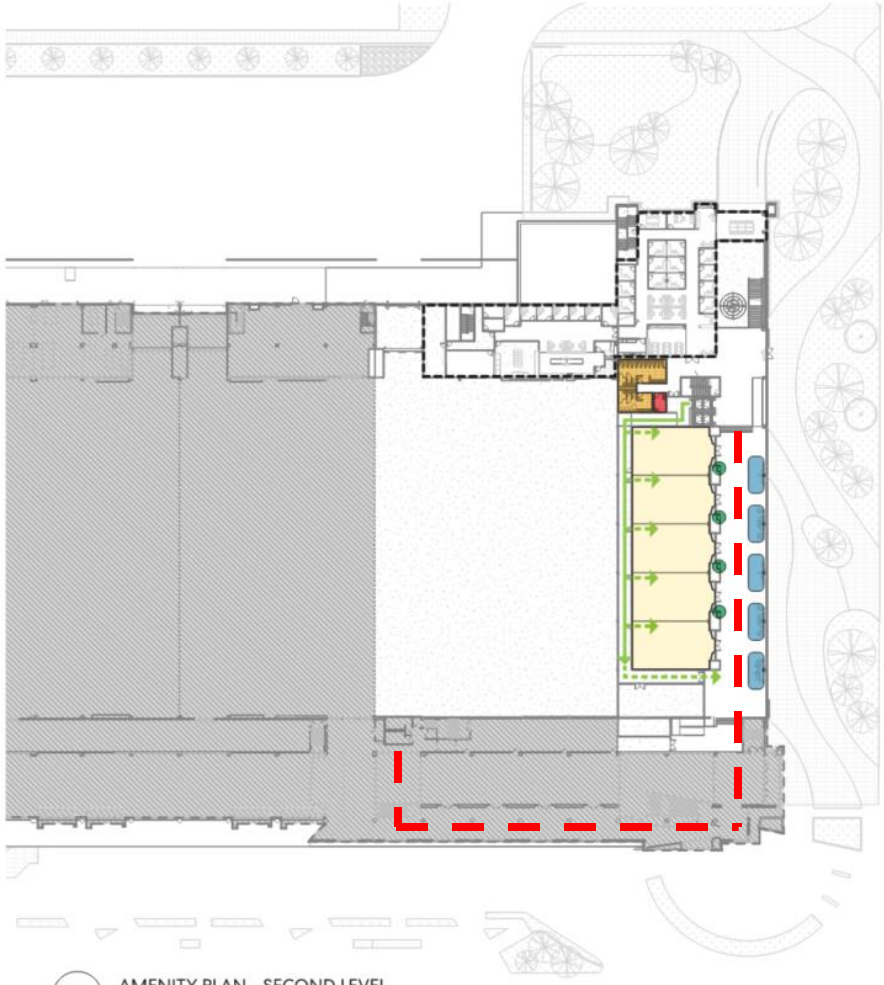
Second and Third Floor Amenities



3 AMENITY PLAN - THIRD LEVEL
SCALE 1" = 40-0"



2 AMENITY PLAN - SECOND LEVEL
SCALE 1" = 40-0"

- SEATING AREAS W/ POWER FOR CHARGING
- PRIMARY INFORMATION SCREENS AND WAYFINDING
- MEETING ROOMS / BANQUET HALL / CONFERENCE SPACE
- MAIN PUBLIC RESTROOMS
- SINGLE USE ACCESSIBLE RESTROOMS
- PRIMARY FOOD SERVICE CIRCULATION
- SECONDARY FOOD SERVICE CIRCULATION
- AEC / DANE COUNTY ADMINISTRATIVE OFFICES

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Northwest Corner Entry

Northeast Corner Entry

Bistro Entrance / Hotel Connector

Southeast Corner Entry

North Meeting Rooms – Fully Open

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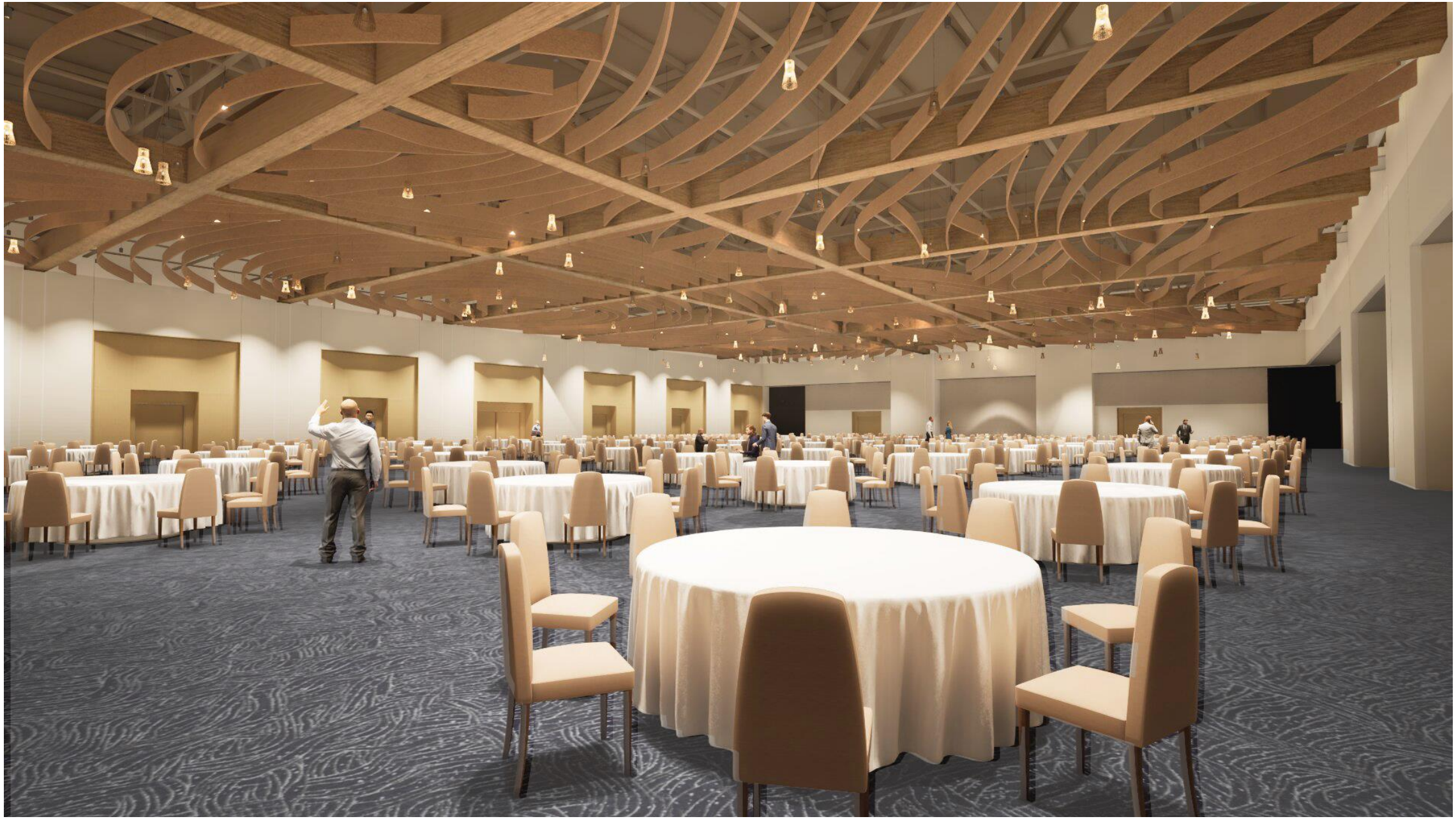
Banquet Hall – Fully Open



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Bistro – 3d view from entry looking NE

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DESIGN synchronicity

AEC Exhibition Hall – 90% Design Development Update

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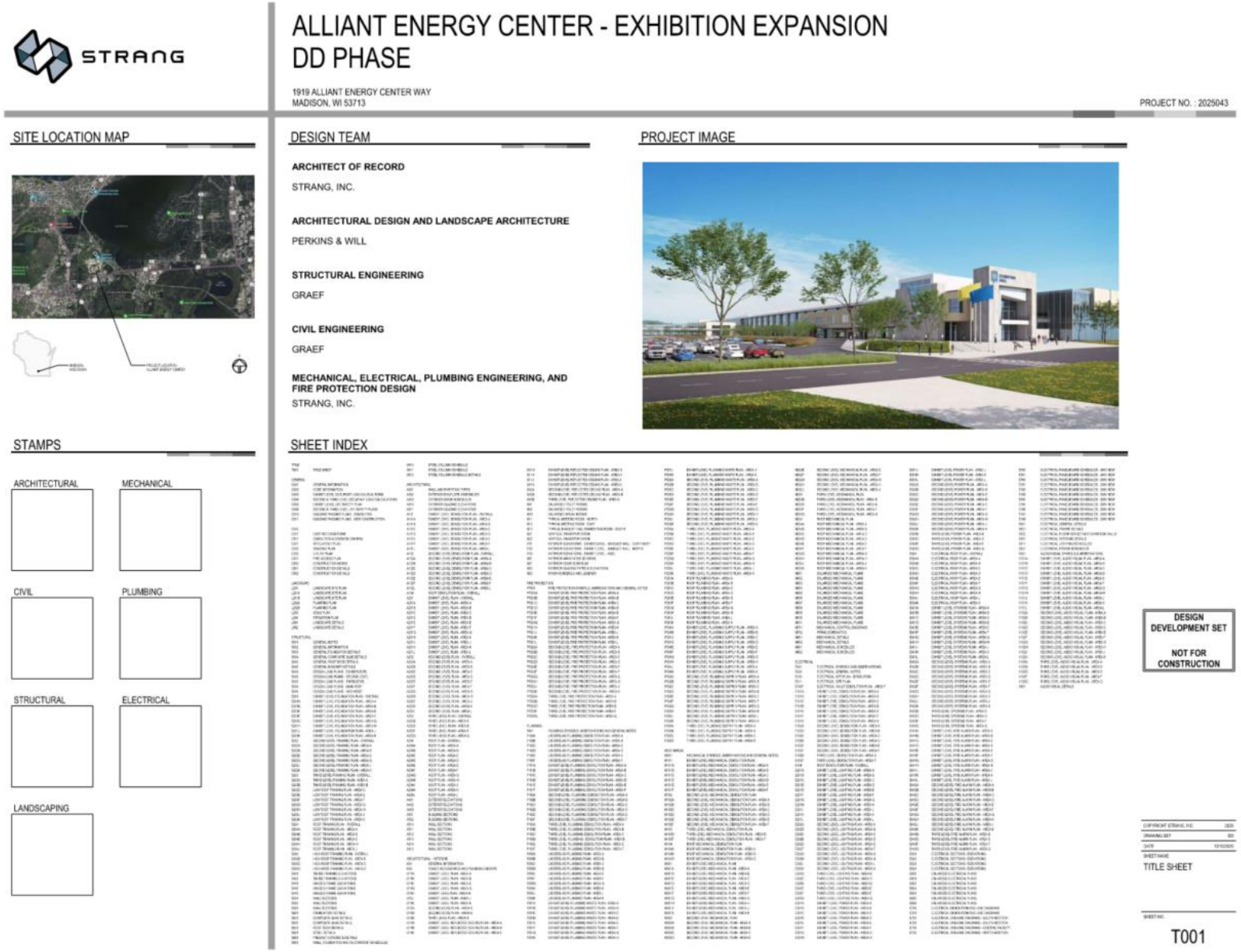
90% Design Development – Fully Defining Project Scope



500+ Sheets of Drawings

10 General Information Sheets
18 Site Drawings
65 Structural Drawings
111 Architectural Drawings
27 Fire Protection Drawings
92 Plumbing Drawings
75 Mechanical Drawings
150 Electrical Drawings
28 Audio Visual Drawings

Preliminary Specifications

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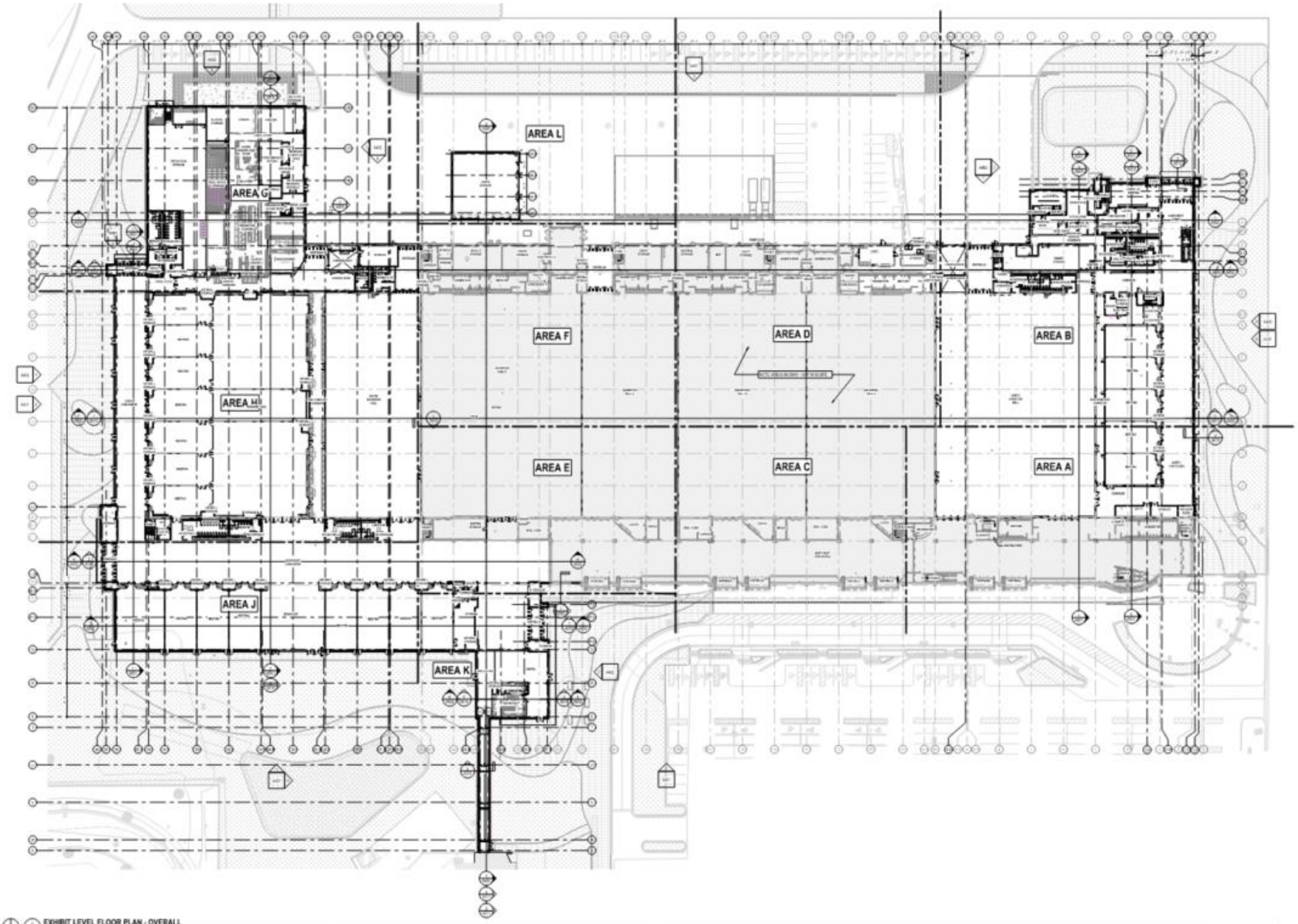
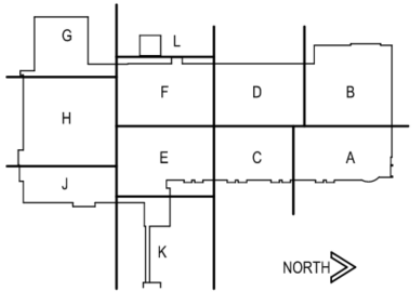
90% Design Development – Architectural Floor Plans



Project Scope Communicated

- Enlarged Plan Areas Noted
- Individual Rooms Identified
- Walls and Doors Located
- Structural Grid Shown
- Wall Section Cuts
- Building Section Cuts
- Exterior Elevation Symbols
- Existing Shown Half-Tone

KEYPLAN (NOT TO SCALE)



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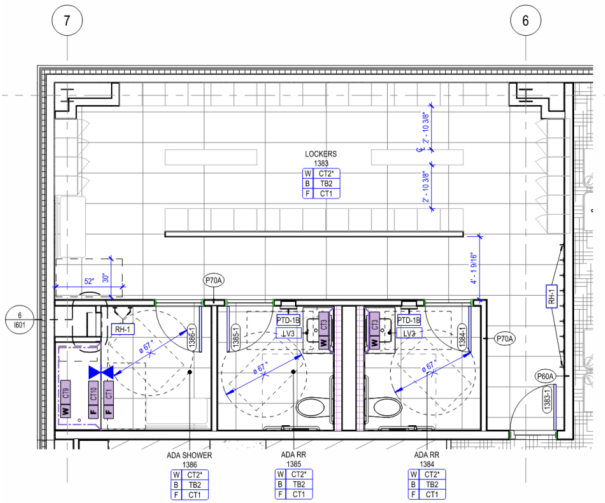
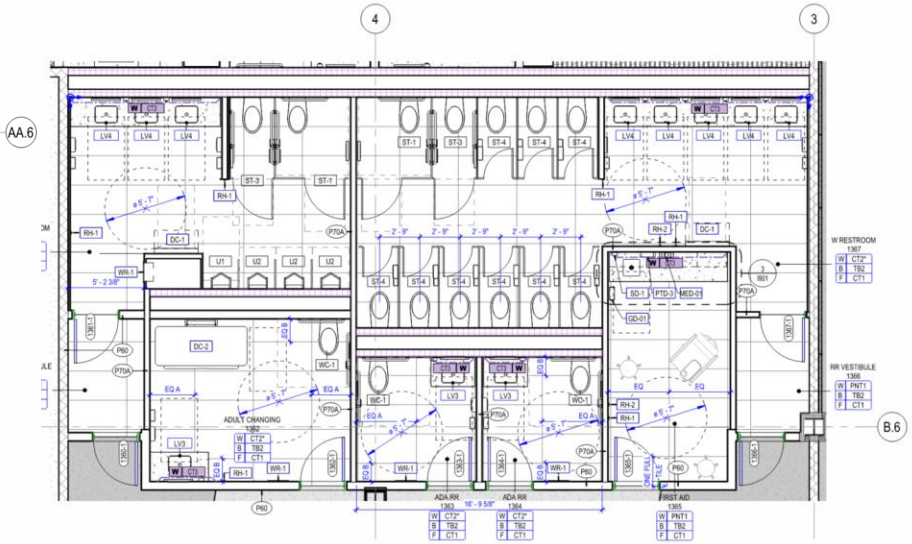
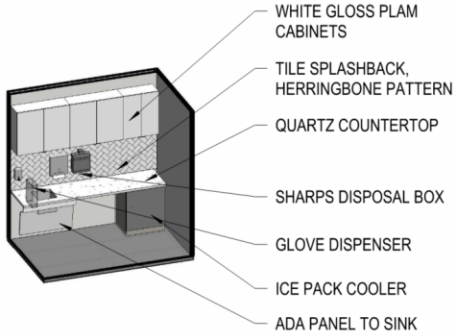
90% Design Development – Restroom Facilities



Lockers and Showers



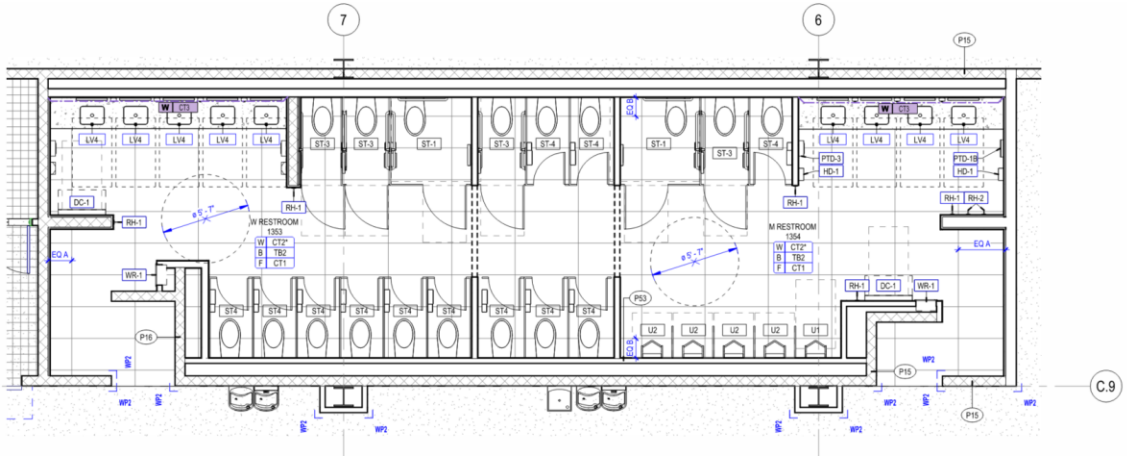
Men - Adult Changing - Uni-Sex – First Aid - Women



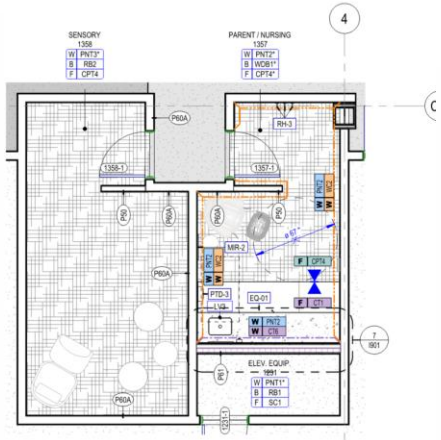
First Aid 3D

Scope Communicated

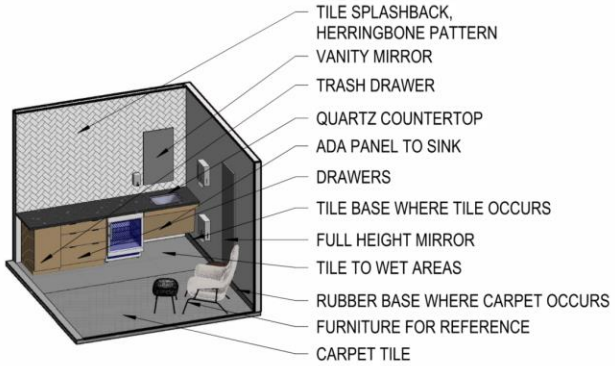
- Wall Types
- Room Numbers
- Door Numbers
- Structural Grid
- Wall, Base, Floor Finish
- Accessibility
- Accessories
- Plumbing fixtures
- Furniture Layout



Mens and Womens with Adjustable Stall Counts



Sensory Room



Parent/Nursing 3D

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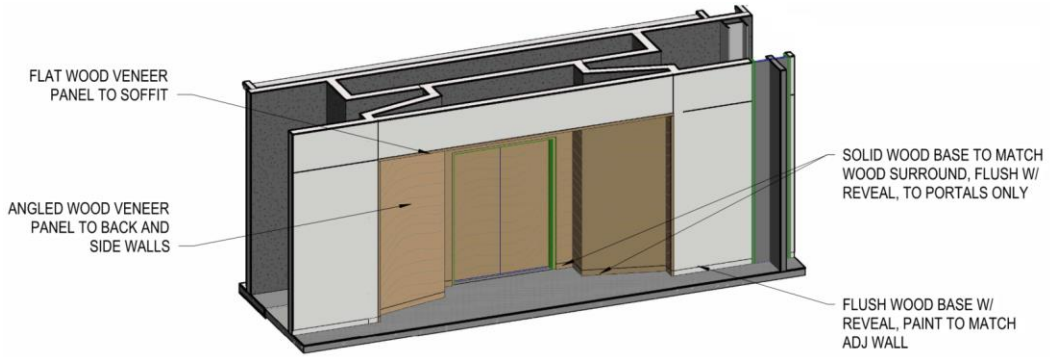
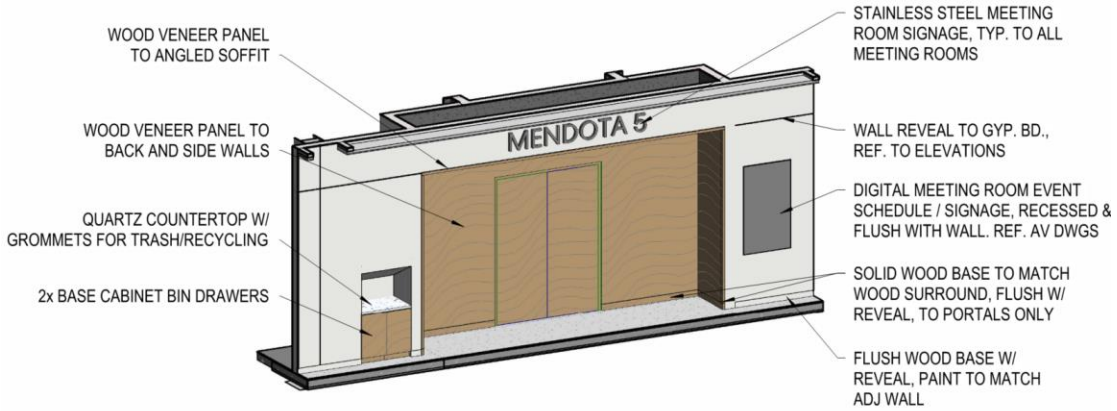
90% Design Development – Typical Meeting Room

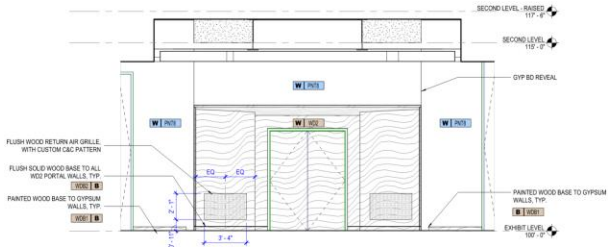
Interior Rendering



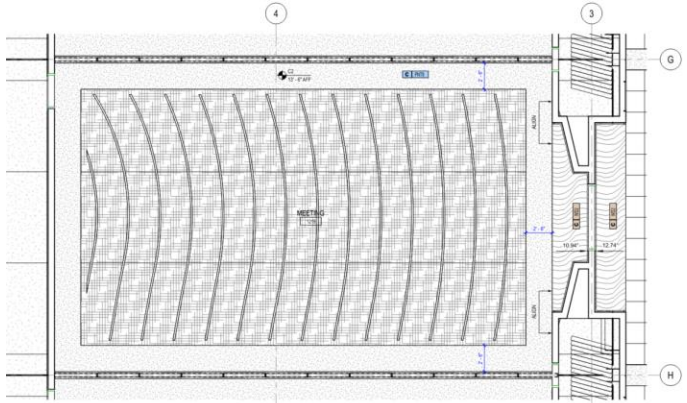
Room Side Entry Portal 3D



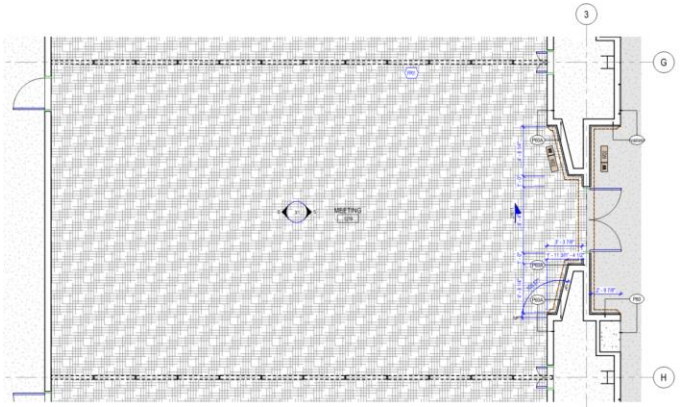
Concourse Side Entry Portal 3D



Interior Elevations



Reflected Ceiling Plan



Floor Plan

Scope Communicated

- Wall Types
- Room Numbers
- Doors
- Structural Grid
- Wall, Base, Floor Finish
- Ceiling Materials
- Specialty Finishes
- Technology Locations
- Signage
- Moveable Walls
- Interior Elevation Keys

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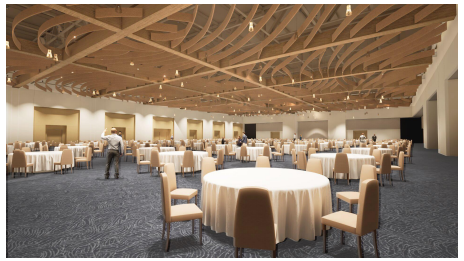
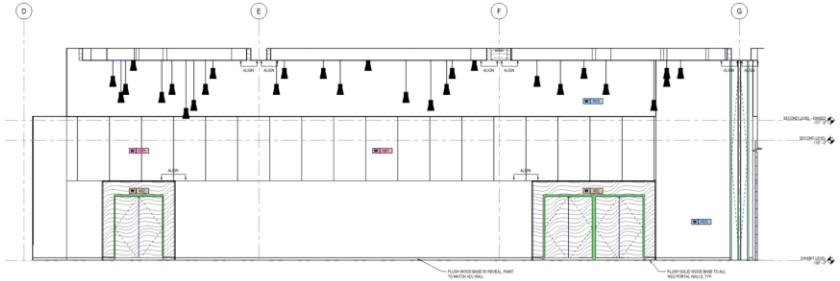
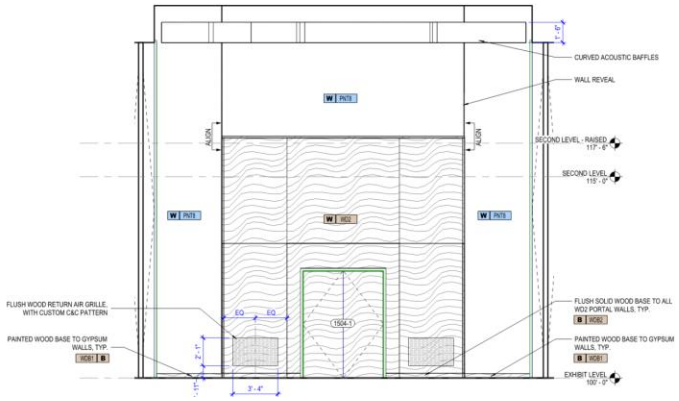
90% Design Development – Banquet Hall Components



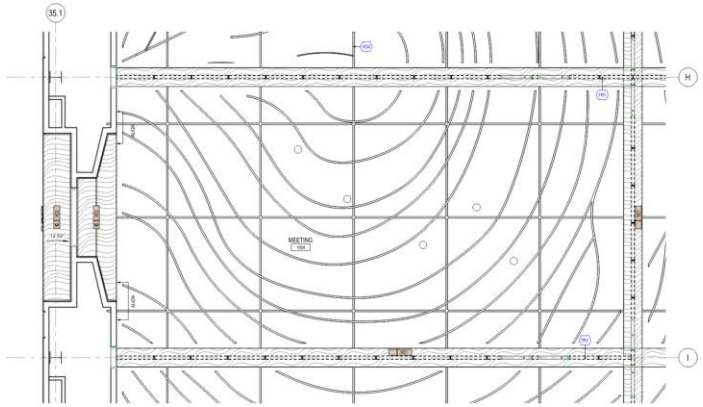
Interior Rendering



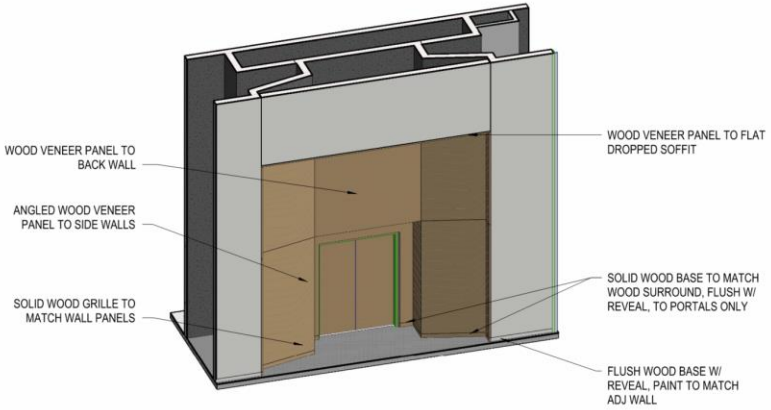
Interior Elevations



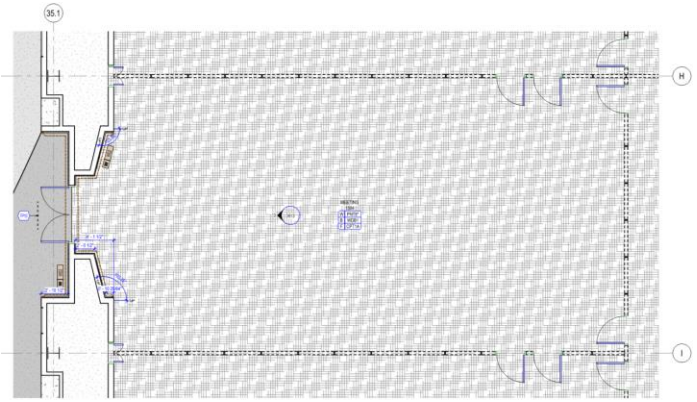
Room Side Entry Interior Elevation



Reflected Ceiling Plan



Room Side Entry Portal 3D



Floor Plan

Scope Communicated

- Wall Types
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- Wall, Base, Floor Finish
- Ceiling Materials
- Specialty Finishes
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- Moveable Walls
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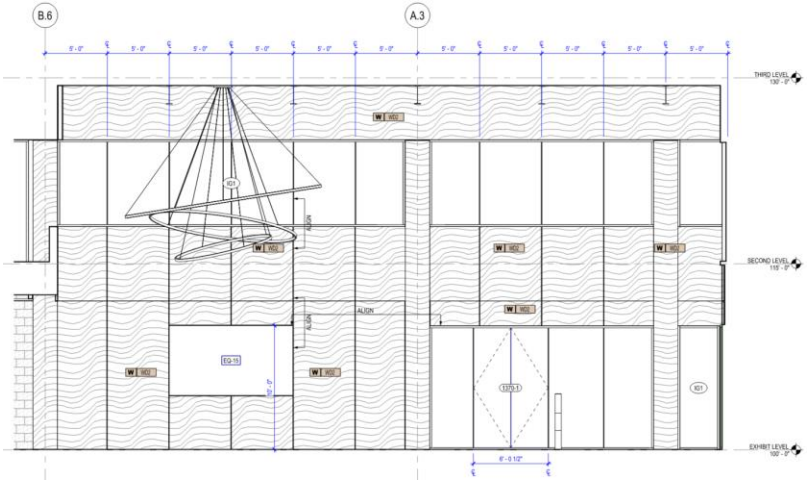
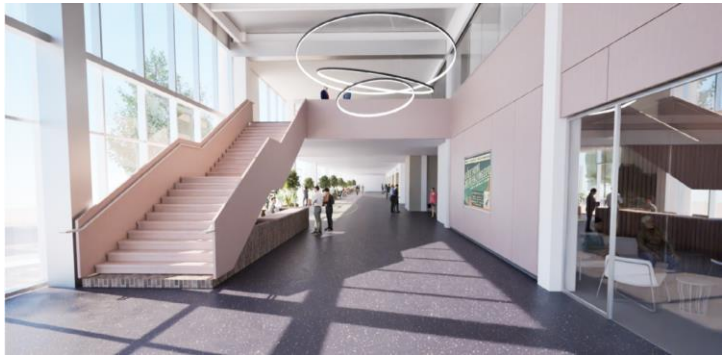
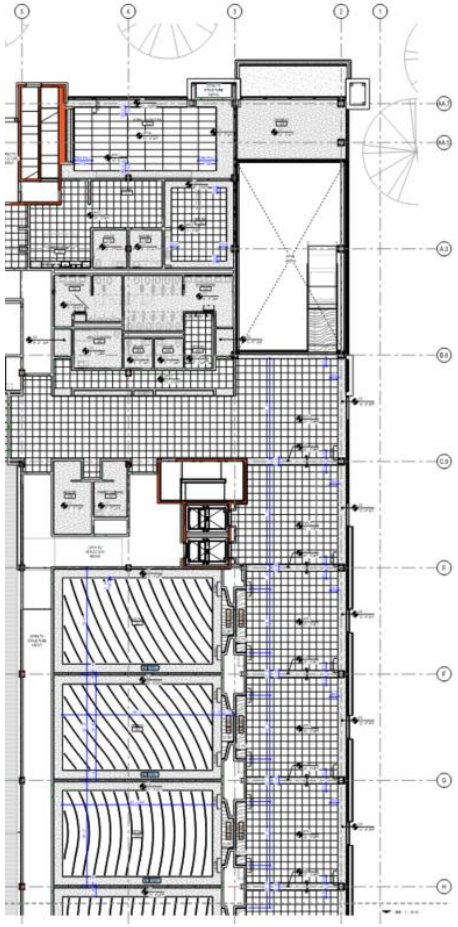
90% Design Development – Concourse Features



Interior Elevations



Interior Rendering

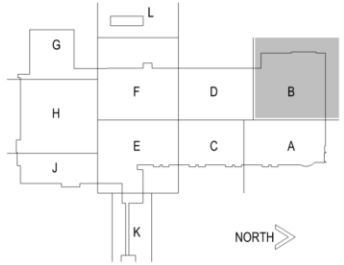


Reflected Ceiling Plan

Floor Plan

Scope Communicated

- Wall Types
- Room Numbers
- Doors
- Structural Grid
- Wall, Base, Floor Finish
- Ceiling Materials
- Specialty Finishes
- Technology Locations
- Signage
- Interior Elevation Keys



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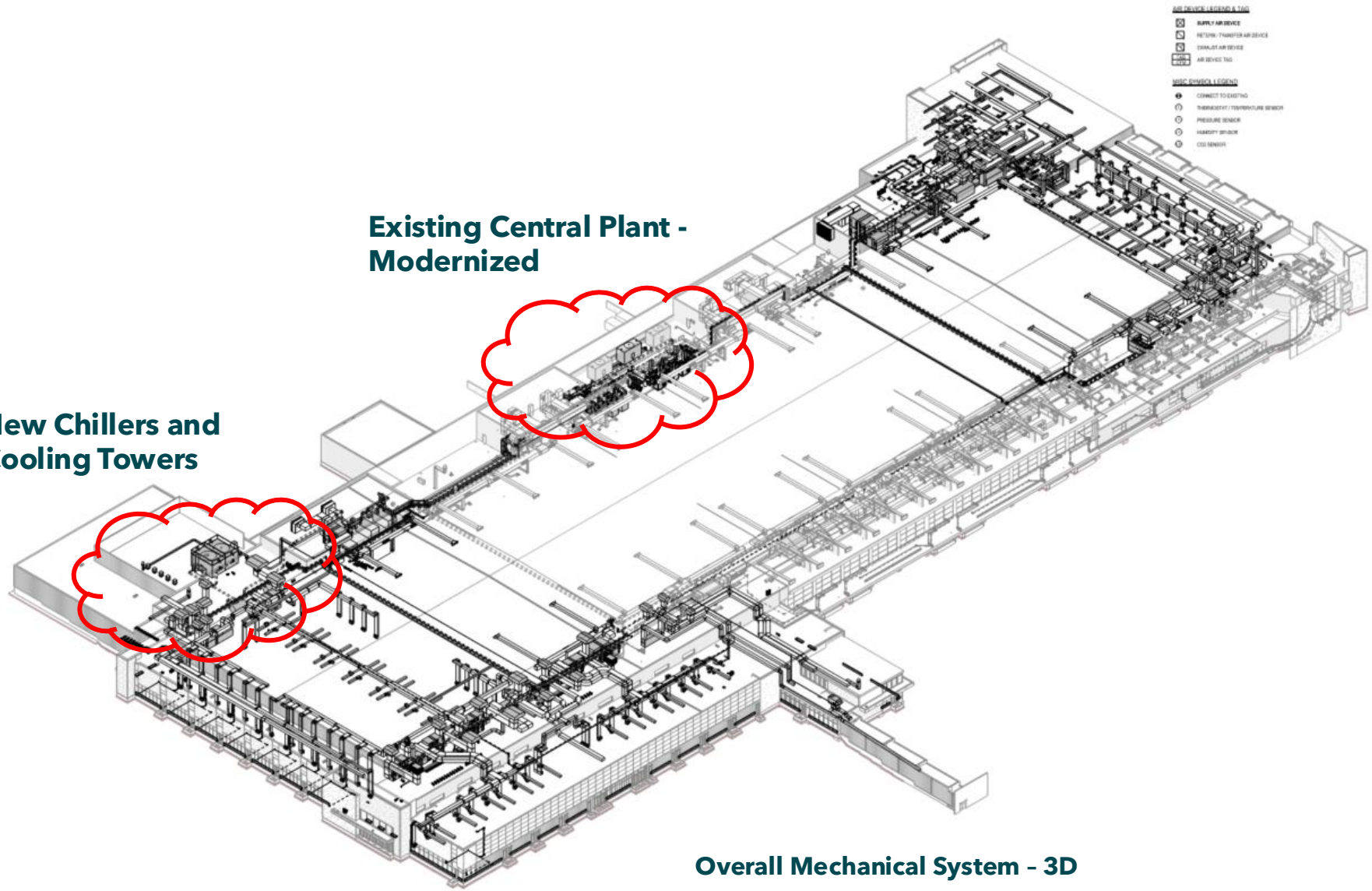
90% Design Development – Mechanical Systems



Overall Mechanical System – 3D

Project Scope Communicated

- High Efficiency Boilers
- High Efficiency Chillers
- New Cooling Towers
- Geo-Thermal Ready Design
- Solar Ready Design

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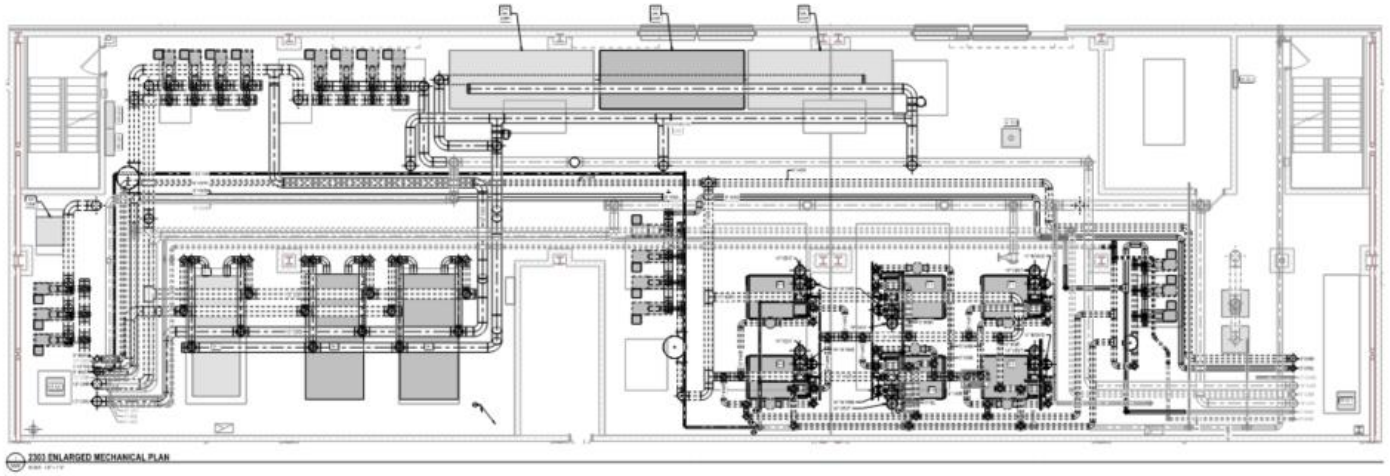
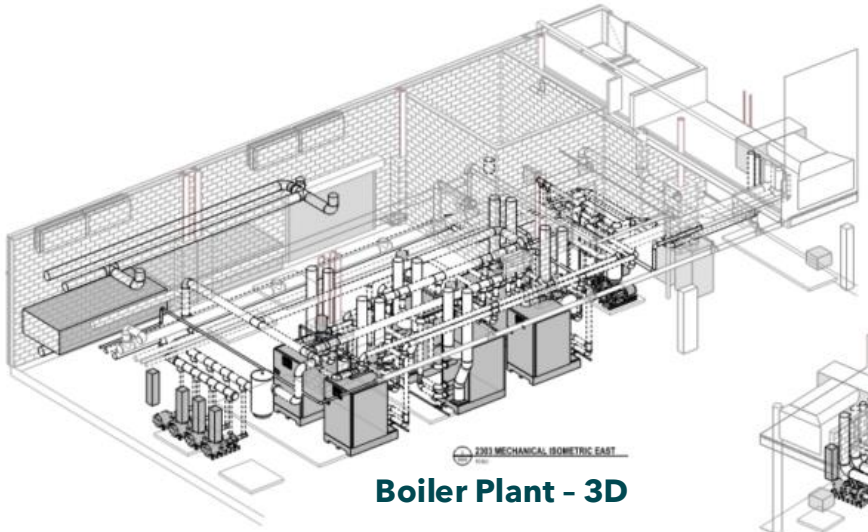
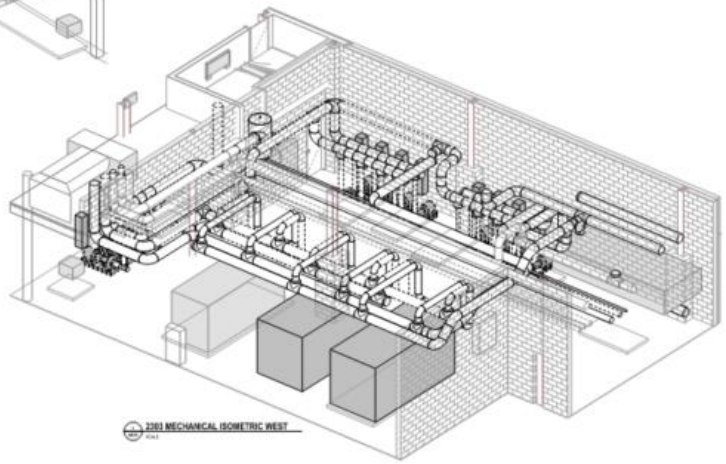
90% Design Development – Central Plant



Central Plant – Plan View



Boiler Plant – 3D



Chiller Plant – 3D

Project Scope Communicated

- Phased Upgrade Path
- Keeps Existing Building Operational During Construction
- Replaces Older Steam Boilers
- Existing Shown Screened
- New Shown Dark

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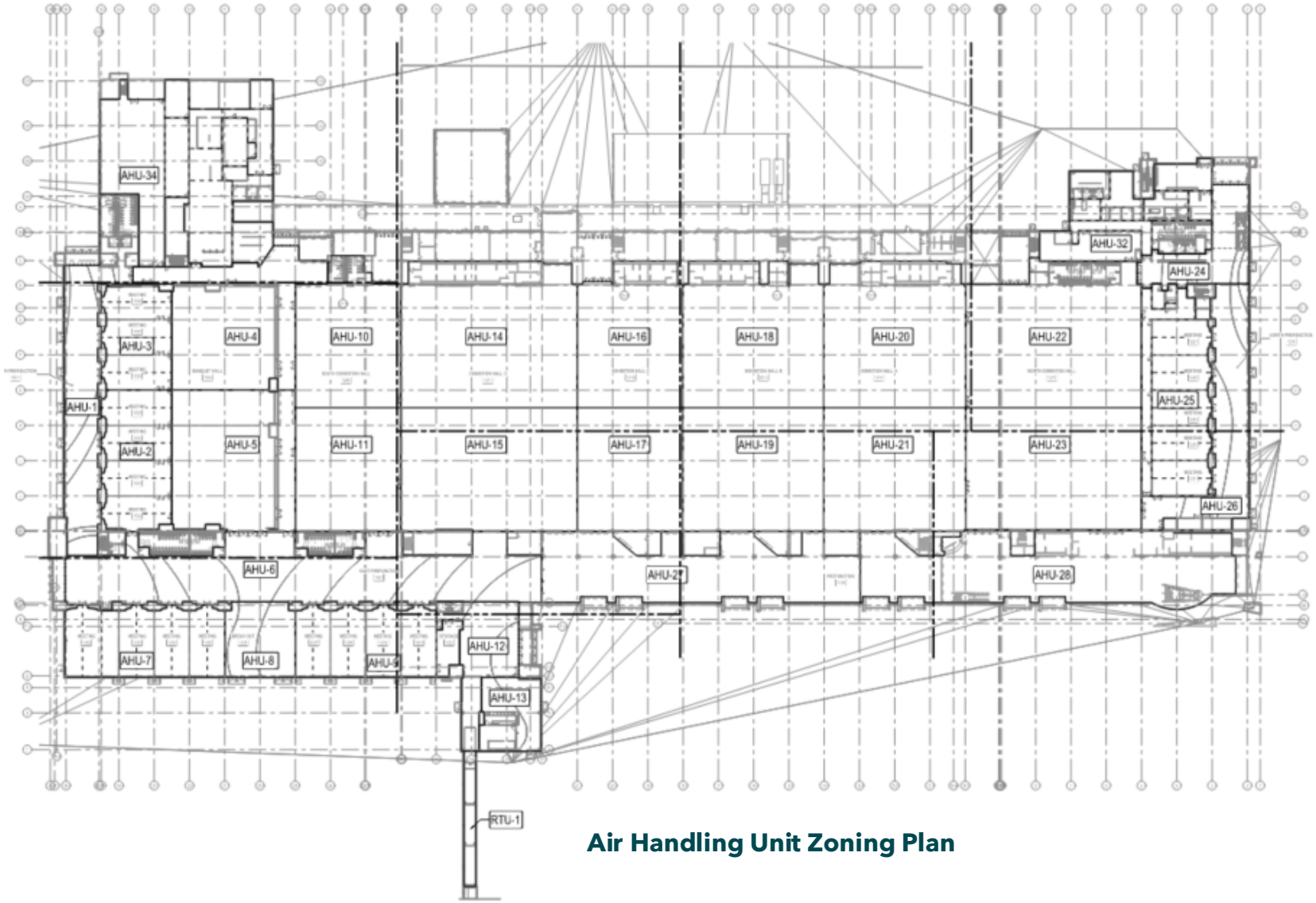
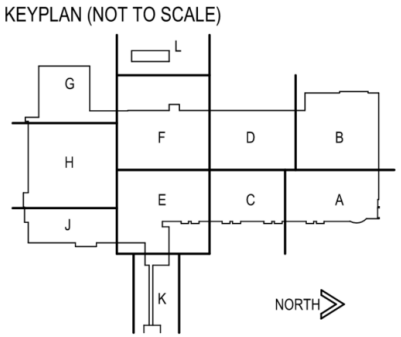
90% Design Development – Environmental Control Zones



Air Handling Unit Zoning Plan

Project Scope Communicated

- 30+ Temp Control Zones
- Single Zone Exhibit Halls
- Multi-Zone Meeting Rooms
- Upgraded Control Systems



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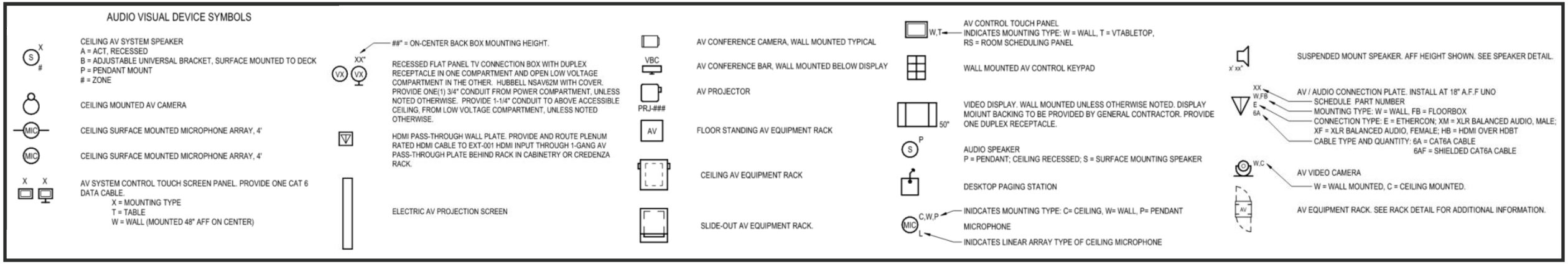
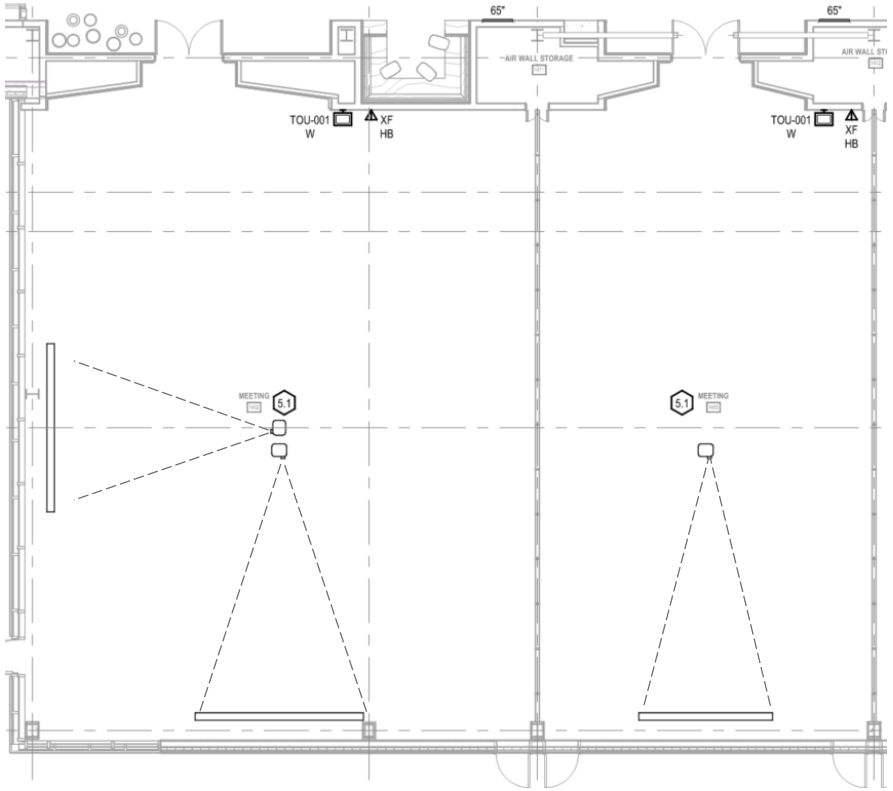
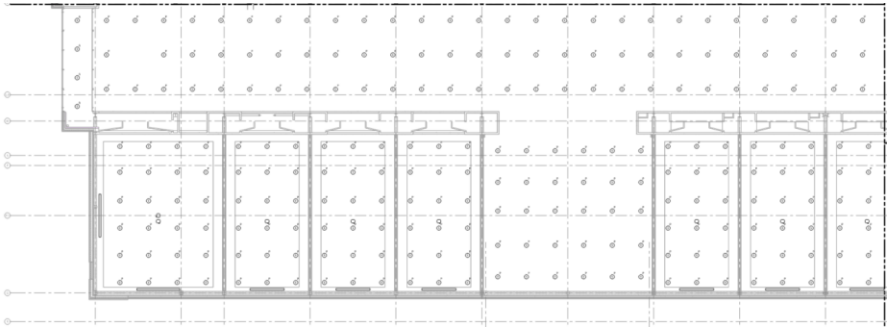
90% Design Development – Audio Visual Systems

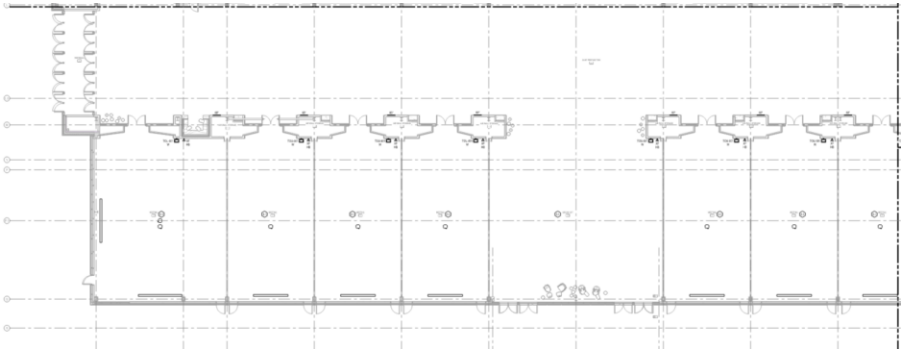




Enlarged Plan



Reflected Ceiling Plan

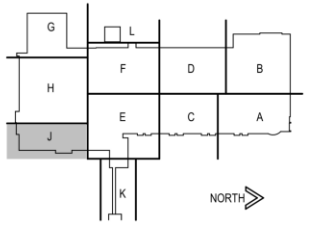


Floor Plan

Scope Communicated

- Projector Locations
- Projection Screens
- Touch Screen Controls
- Audio Connections
- Flat Screen Displays
- Speaker Systems

KEYPLAN (NOT TO SCALE)



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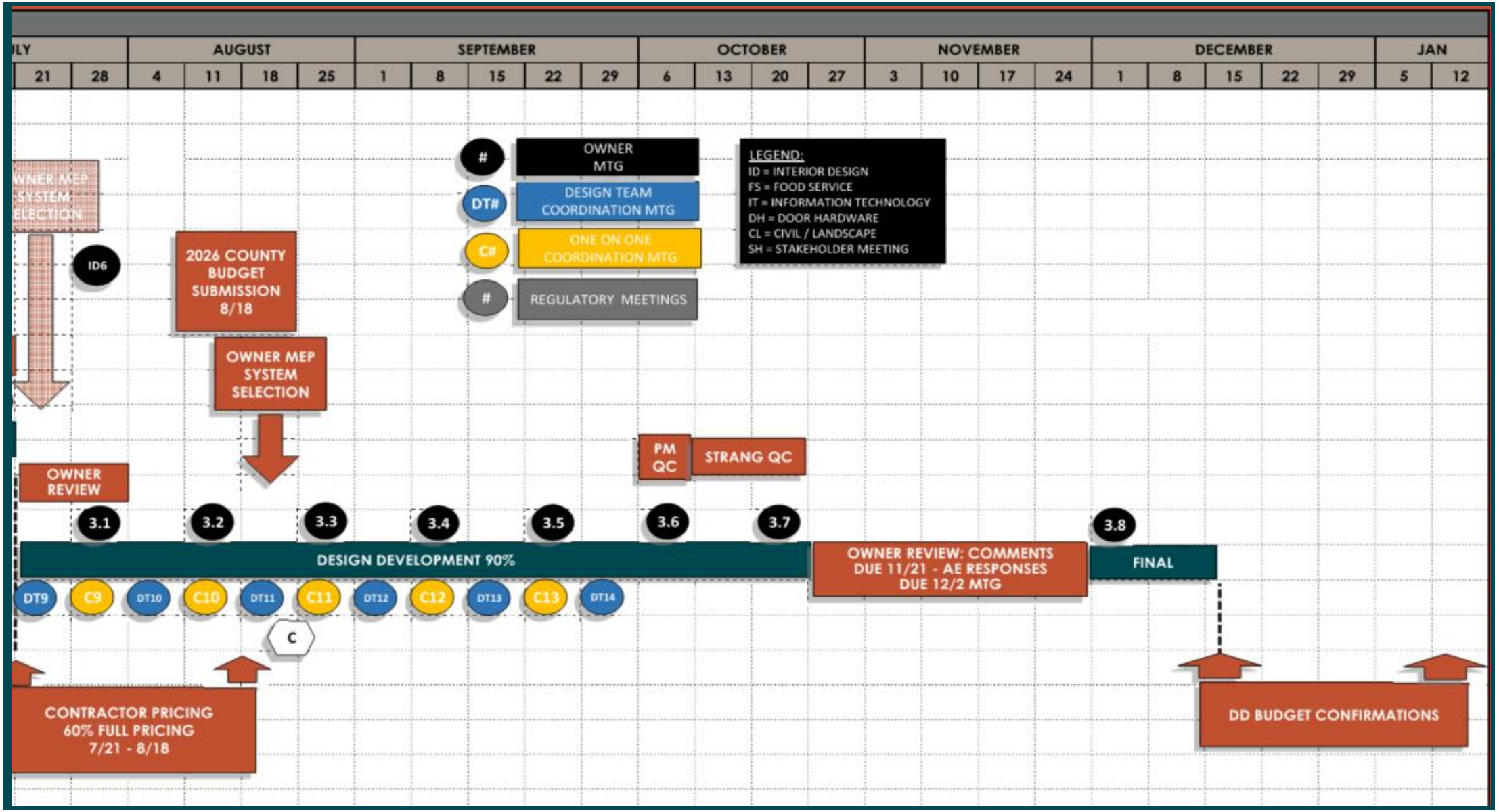
Schedule

90% Design Development Schedule



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Next Steps

Full Project Schedule

Preliminary Design	Design Development	Construction Documents & Bidding	Construction Start	Construction Completion
2024	2025	2026	2027	2030-2031