

PRE-PROPOSAL MEETING

MIAMI BEACH CONVENTION CENTER RENOVATION & EXPANSION

January 8, 2015

PROCUREMENT INTRODUCTION

- Cone of Silence – City of Miami Beach Ordinance Section 2-489

AGENDA

- INTRODUCTION
- GENERAL REQUIREMENTS
- CIVIL
- LANDSCAPE
- ARCHITECTURE
- STRUCTURE
- VERTICAL TRANSPORTATION
- LIFE SAFETY
- SMOKE CONTROL SYSTEMS
- MECHANICAL
- ELECTRICAL
- PLUMBING
- TELECOMMUNICATIONS
- SECURITY SYSTEMS
- AUDIO VISUAL SYSTEMS
- ACOUSTICS
- WIRELESS COMMUNICATION SYSTEMS
- IDENTIFYING DEVICES
- SUSTAINABILITY
- ADD ALTERNATES
- BID REQUIREMENTS

DCP PROFESSIONAL TEAM

| | |
|-----------------------------------|------------------------------------|
| DCP Architect and Lead Design | Fentress Architects |
| Associate Architect Facade Design | Arquitectonica |
| Landscape Architect | West 8 |
| Civil Engineer | Kimley-Horn |
| Structural Engineer | Martin Martin Consulting Engineers |
| MEP and Lighting Design | ME Engineers |
| IT/Acoustic/Low Voltage | DL Adams |
| Life Safety & Fire Protection | Jensen Hughes |
| Vertical Transportation | Lerch Bates, Inc. |
| Food Service | William Caruso & Associates |
| Signage | Tamara Kudrycki Design, Ltd. |
| Parking Consultant | Walker Parking |
| Traffic Consultant | The Corradino Group |
| Cost Estimator | Rider Levett Bucknall |

GENERAL REQUIREMENTS

1. Design Criteria Package Document
2. Flood Control and Sea Level Rise

DESIGN CRITERIA PACKAGE

Design Documents

Part A - Design Narrative Volumes

Part B - Specifications Volumes

Part C - Drawings Volumes

DCP CONTENT

DRAWINGS (1,300 sheets)

- Civil
- Landscape/Park
- Structure
- Architecture
- Vertical Transportation
- Fire Protection
- Plumbing
- HVAC
- Electrical
- Telecommunications
- Security
- A/V Systems
- Food Service
- Identifying Devices
- Construction Phasing

SPECIFICATIONS (2,300 pages)

- 3 volumes, 200 sections
- Technical quality directives
- Interior and exterior finish
- Material samples boards

DESIGN NARRATIVE (1000 pages)

- 2 volumes, 20 chapters
- Guidelines for design
- Life safety
- Code understandings
- Smoke analysis
- Room programming requirements
- Energy modeling results
- Acoustic requirements
- Wireless communications details
- Parking equipment
- Coordination
- USGBC LEED point path guide

DESIGN CRITERIA PACKAGE

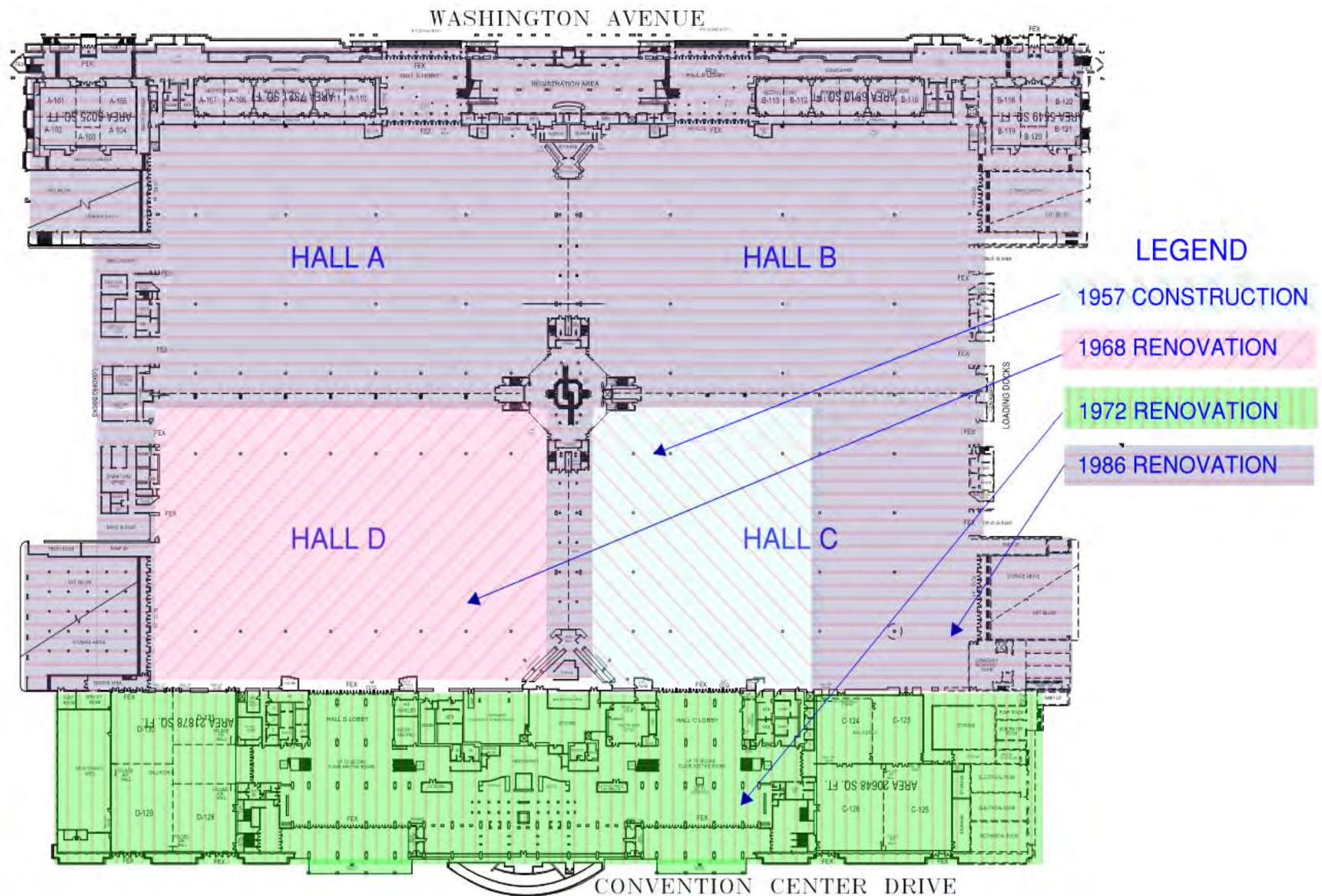
Reference Design Documents

- Part E Phase I Environment Site
- Part F Phase II Environment Report
- Part G Biscayne Engineering Site Survey
- Part H Convention Center As-built drawings
- Part I Convention Center Bus Duct Replacement Record Drawings
- Part J 21st Street Community Center Building Record Drawings
- Part K Asbestos Survey Reports
- Part L Ameresco Geothermal System Record Documents
- Part M Art In Public Places (AIPP) Call For Artists
- Part N Traffic Impact Study
- Part O Geotechnical Report information
- Part P Design Review Board Final Orders
- Part Q Historic Preservation Board Final Order expected February 2015
- Part R TLC Engineering Reports

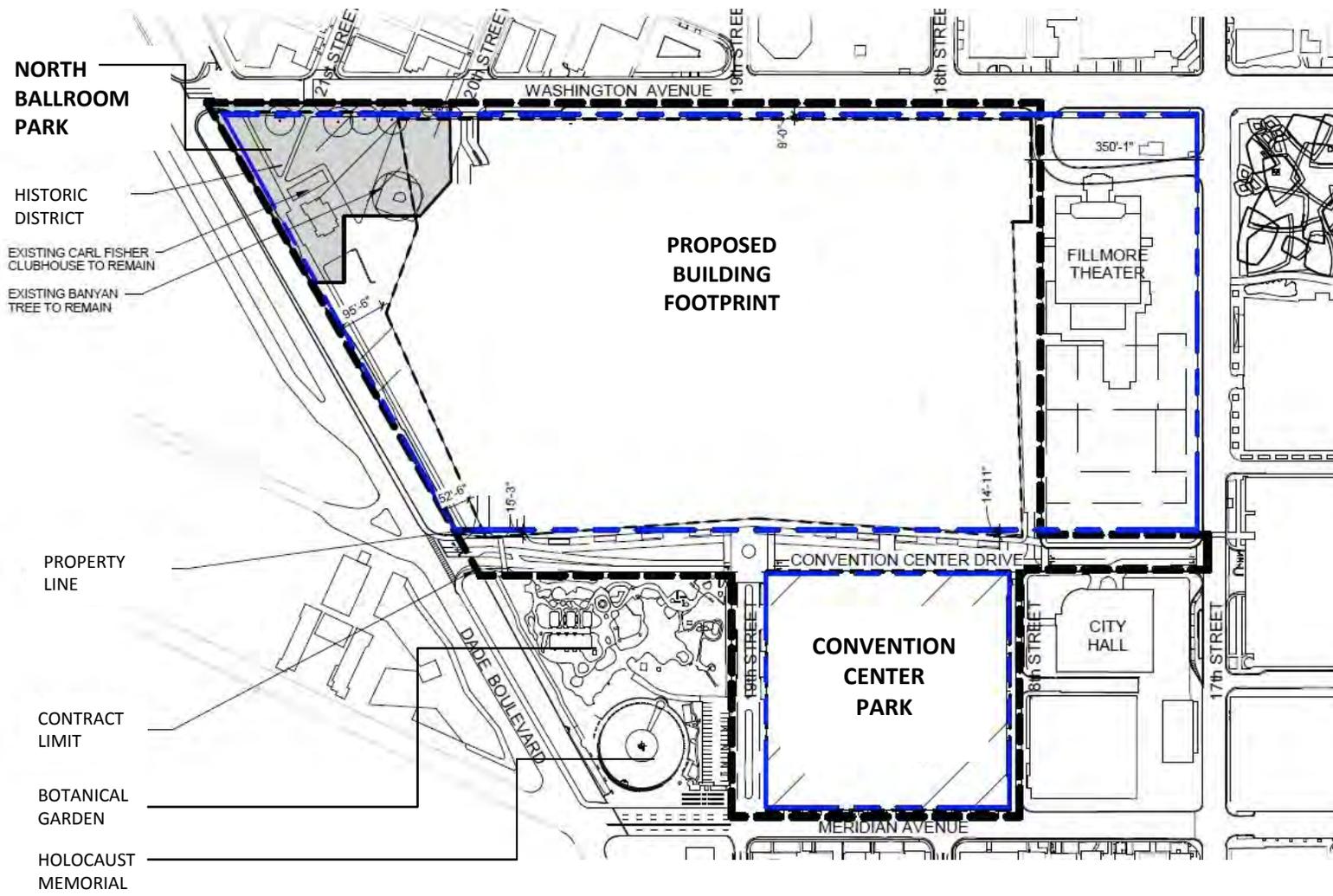
SEA LEVEL RISE

- FEMA Flood Elevation Level rising
- Exhibit Hall Floor 7.1' NAVD
 - 9" above current FEMA floor elevation
- Critical Equipment min 2'-0" AFF = 9.1" NAVD
- Level 1 moisture resistant floor finishes

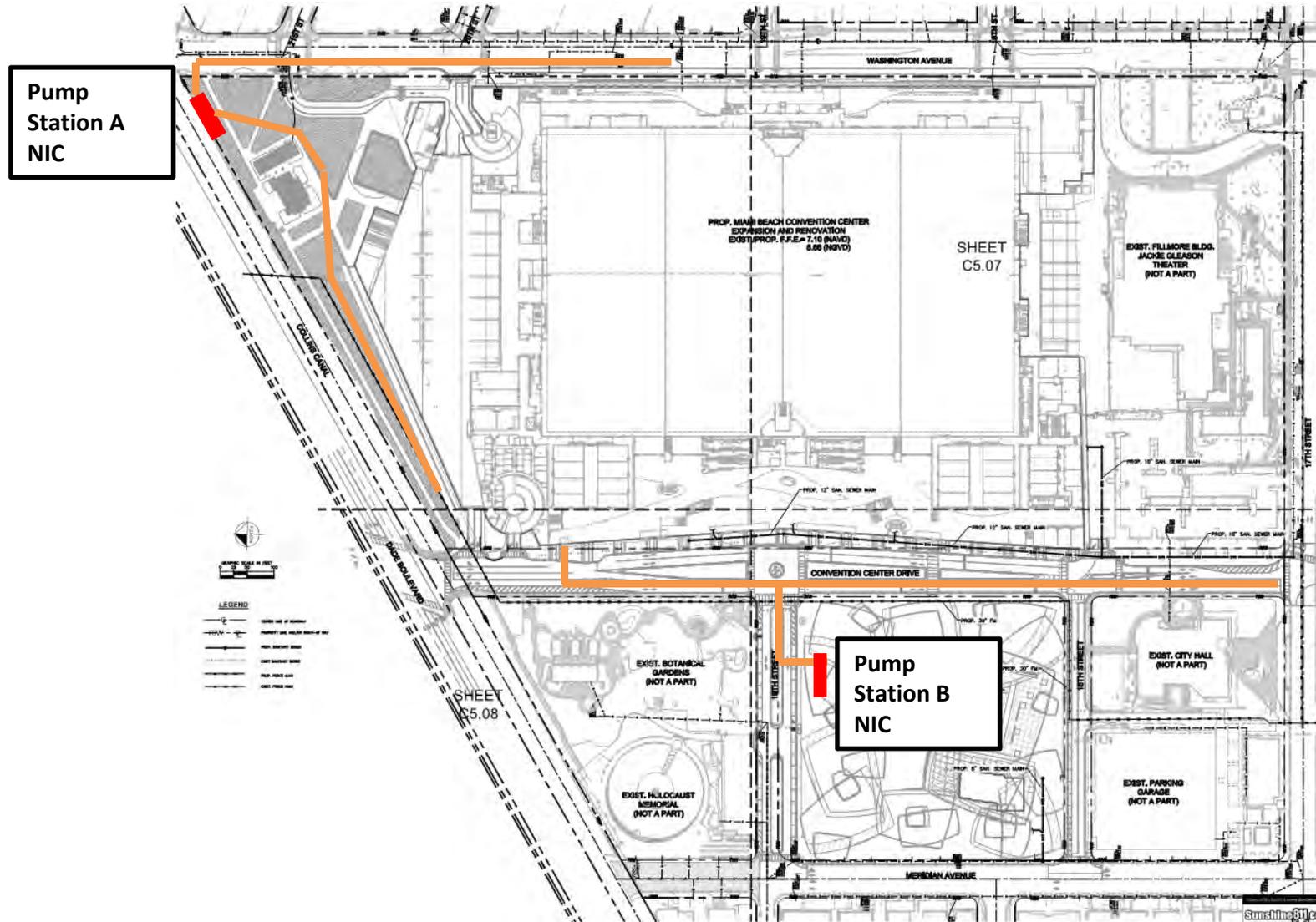
CONVENTION CENTER HISTORY



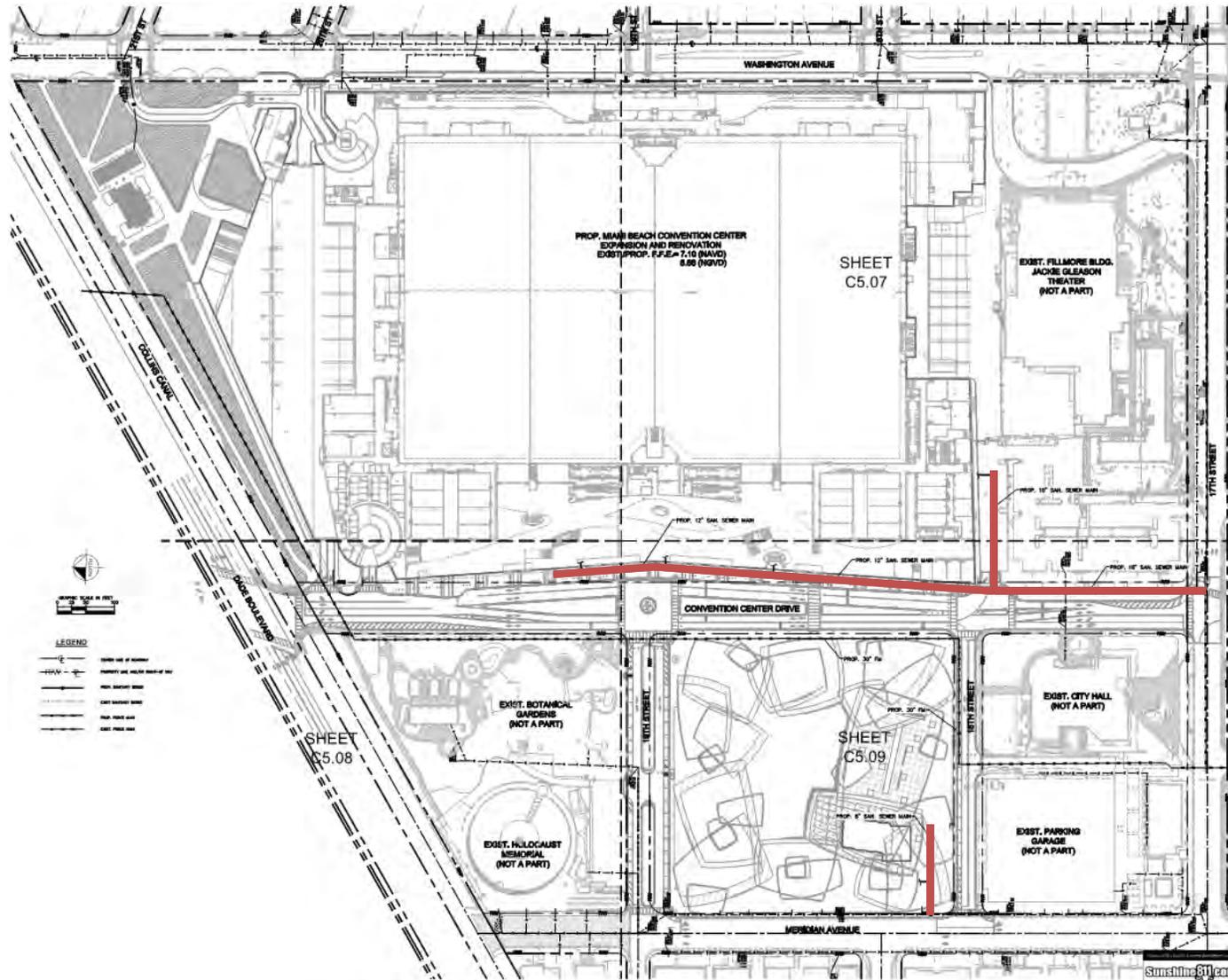
SITE PLAN



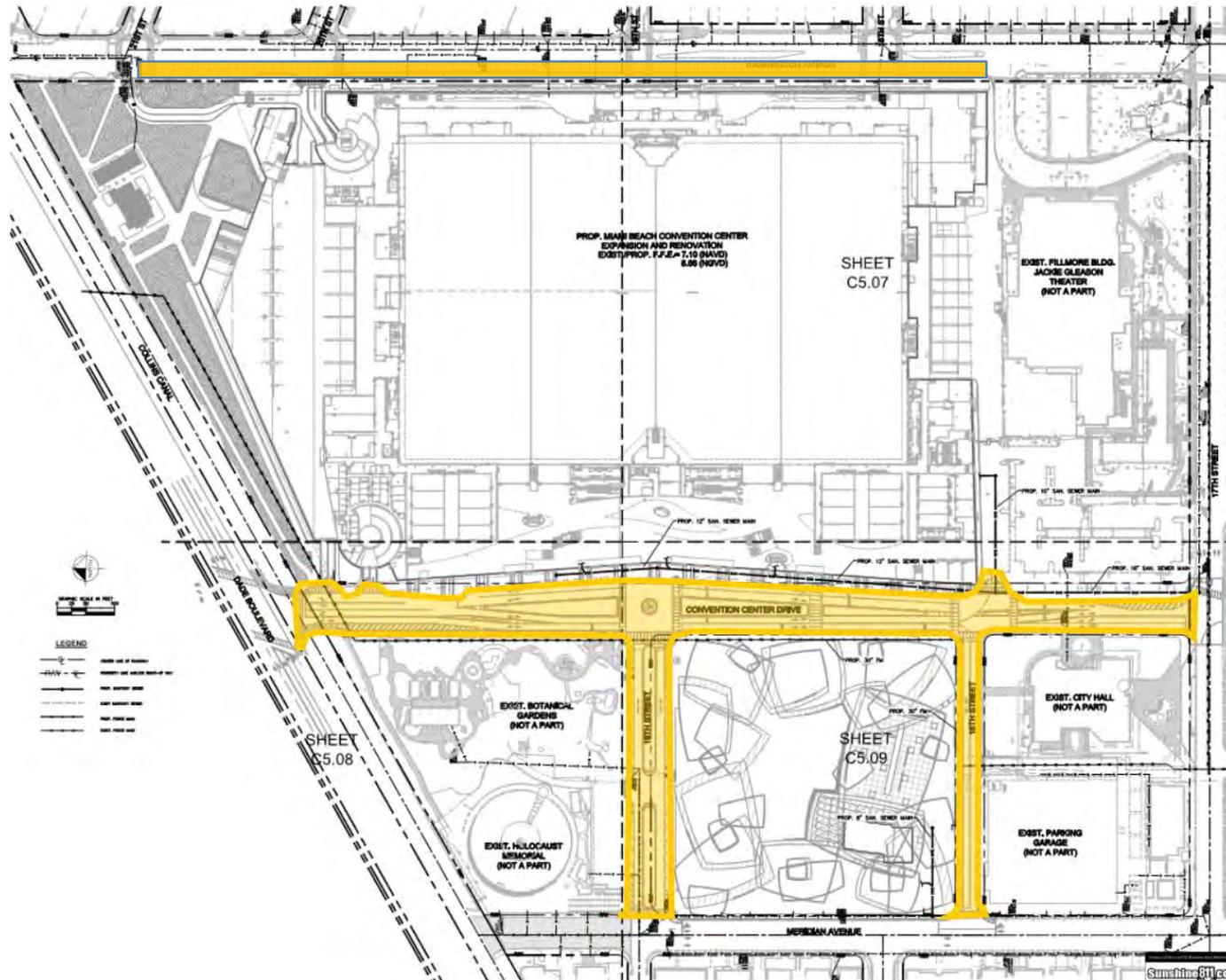
CIVIL - STORM



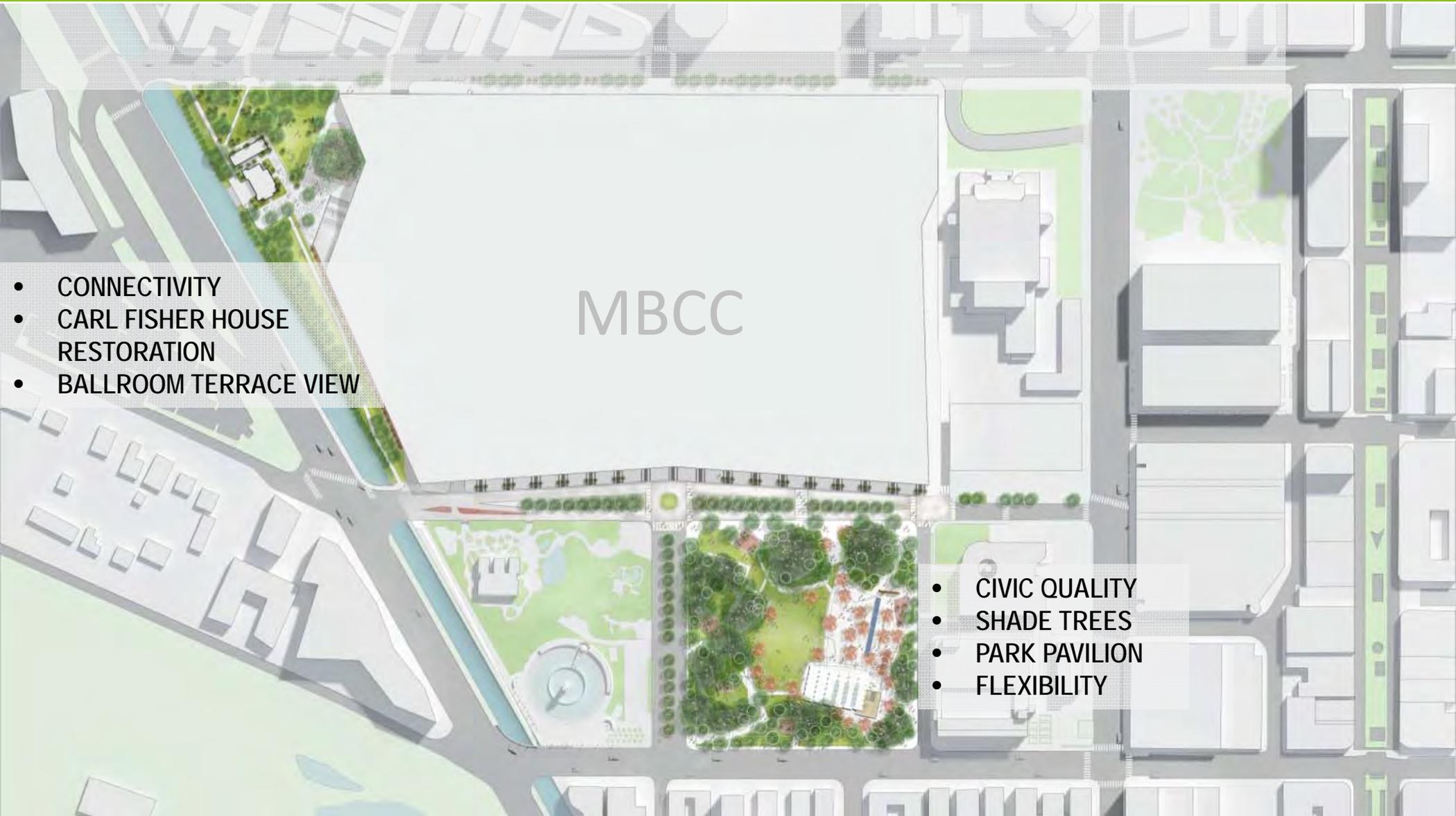
CIVIL - SEWER



CIVIL - ROADWAYS



LANDSCAPE



MBCC

- CONNECTIVITY
- CARL FISHER HOUSE RESTORATION
- BALLROOM TERRACE VIEW

- CIVIC QUALITY
- SHADE TREES
- PARK PAVILION
- FLEXIBILITY

NATIVE & ADAPTED PLANTS



New trees: 355
Tree species types: 10
36% of open space is native & tropical plantings



INTEGRATING EXISTING TREES



Mahogany on Washington Ave



Strangler Fig

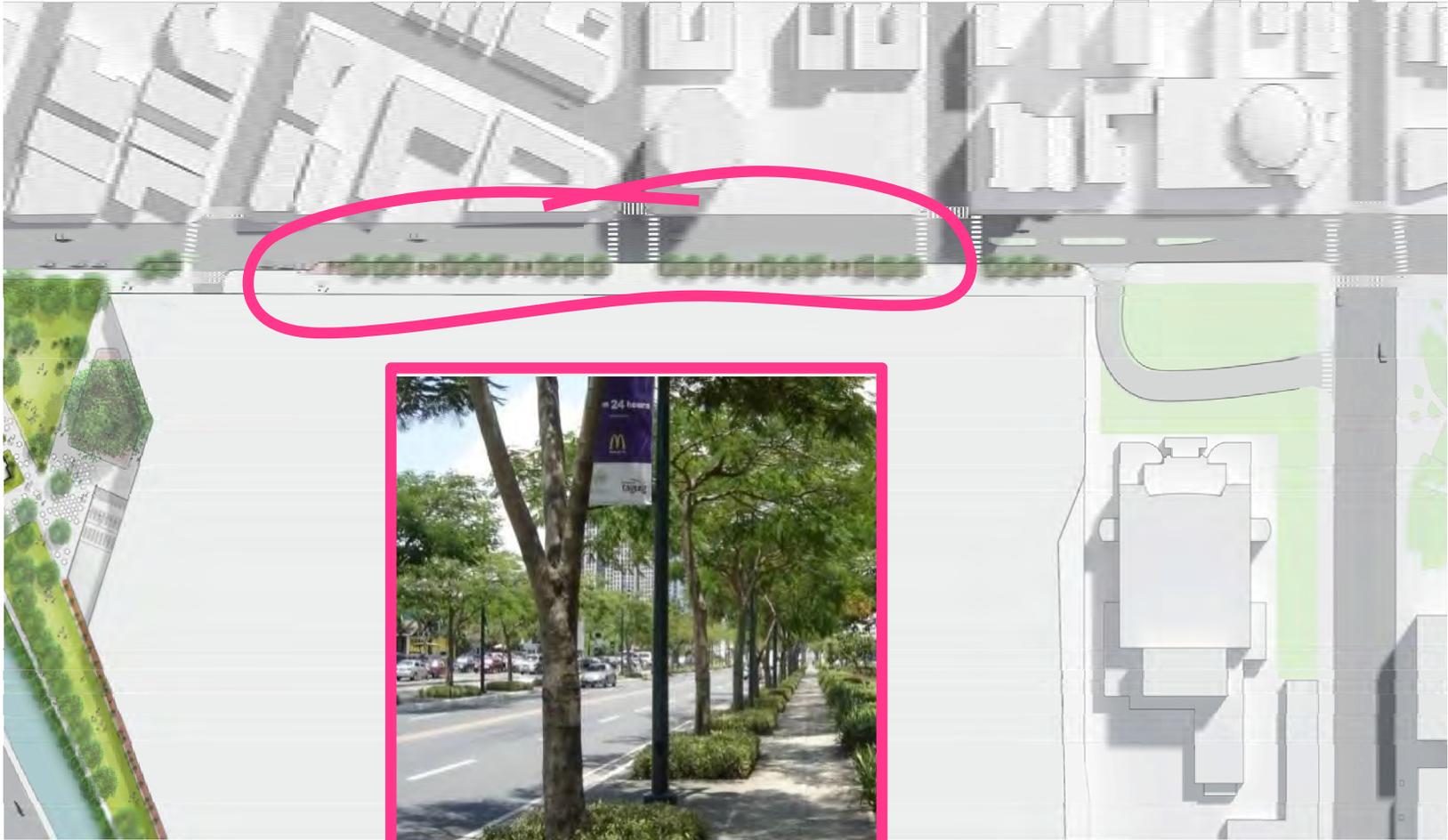


Mahogany on Collins Canal

Number of Existing trees/palms – 265
75% will remain or be relocated
11 Invasive species removed

WASHINGTON AVENUE

CREATING A SHADE WALK



CONVENTION CENTER DRIVE

A BOULEVARD FEEL



CONVENTION CENTER DRIVE TODAY



CONVENTION CENTER DRIVE



NORTH BALLROOM PARK

Removes 1.8 acres of hardscape and buildings
Renovates over 1,000 feet of canal edge
Creates 3.5 acres of contiguous open spaces



CARL FISHER HOUSE

TODAY



CARL FISHER HOUSE

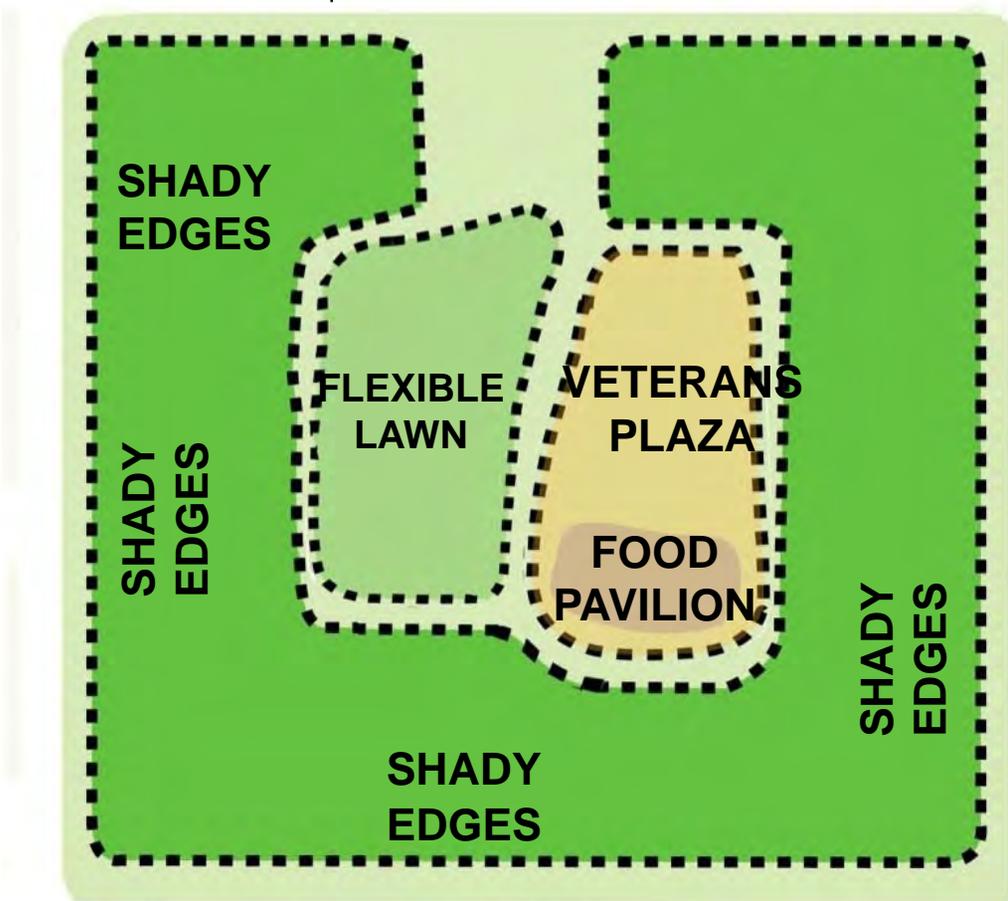
HISTORIC PHOTOGRAPH (FROM CANAL)



CONVENTION CENTER PARK

FRAMEWORK PLAN

5.83 acres of new open space
Four memorable & distinctive spaces



SHADY EDGE
(72.5%/4.13 ACRES)

FLEXIBLE LAWN
(12%/0.65 ACRES)

VETERANS PLAZA
(12.5%/0.75 ACRES)

PAVILION & SHADE STRUCTURE
(3%/0.3 ACRES)

CONVENTION CENTER PARK

TRANSFORMING THE NEIGHBORHOOD



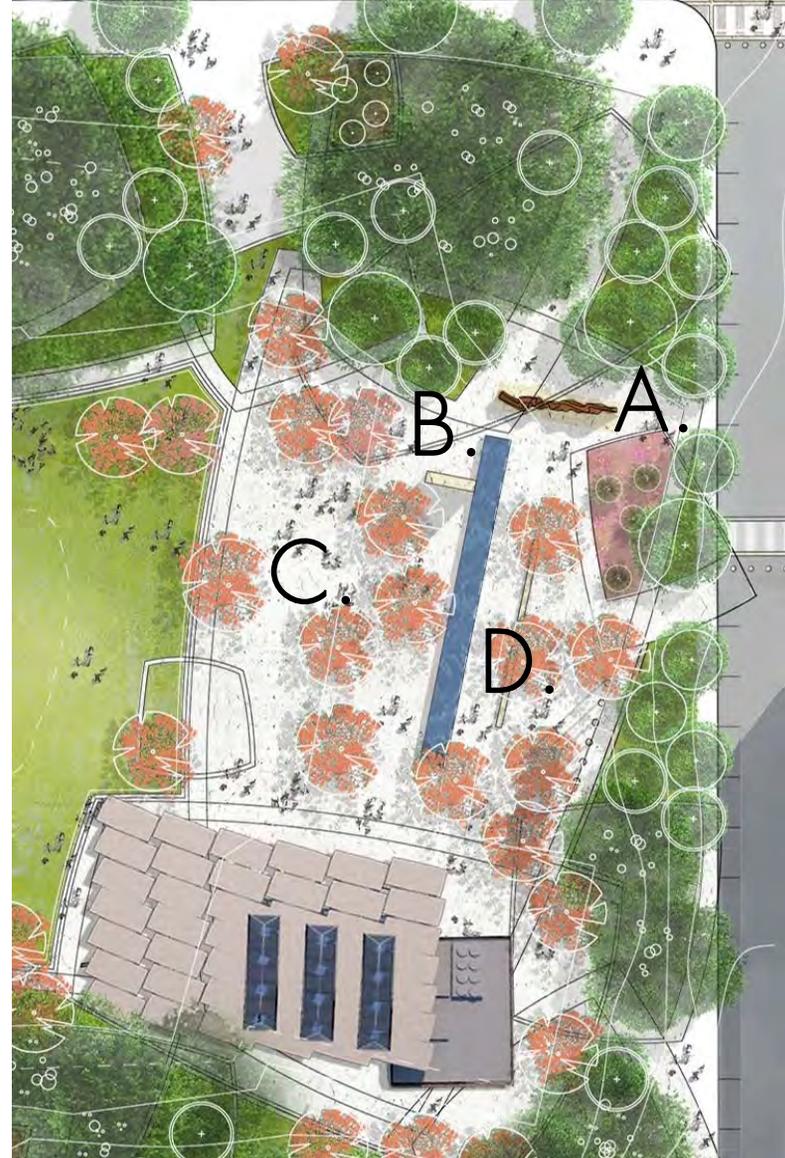
FLEXIBLE LAWN

A PLACE FOR RELAXATION AND GATHERING



VETERANS MEMORIAL PLAZA

- A. Bronze Flag Wall
- B. Keystone Monument
- C. Plaza Area
- D. Zero-Depth Reflecting Water Feature



GATEWAY VIEW



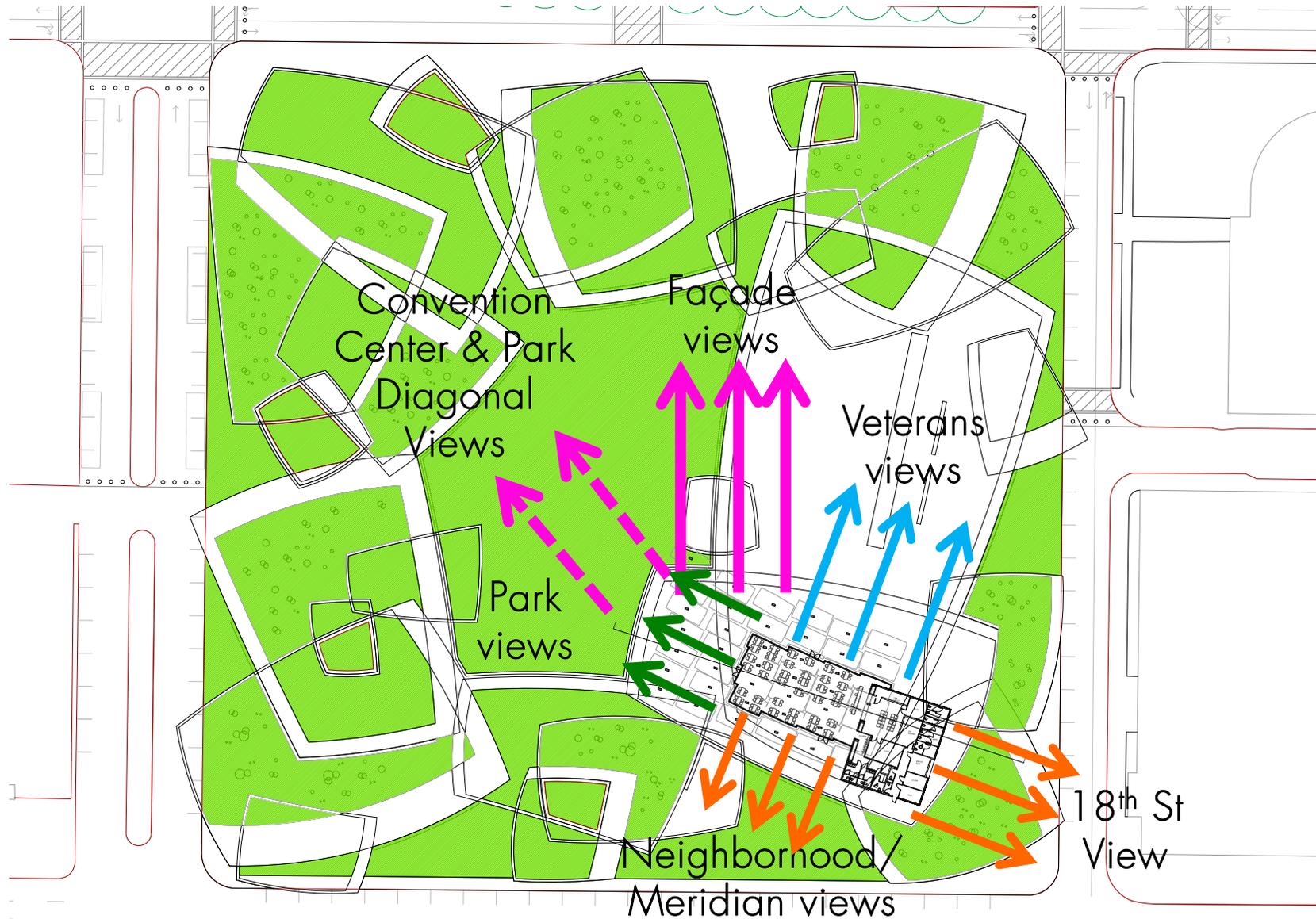
VETERANS MEMORIAL PLAZA

SUPPORTS SPECIAL CEREMONIES
TELLS THE MIAMI BEACH STORY



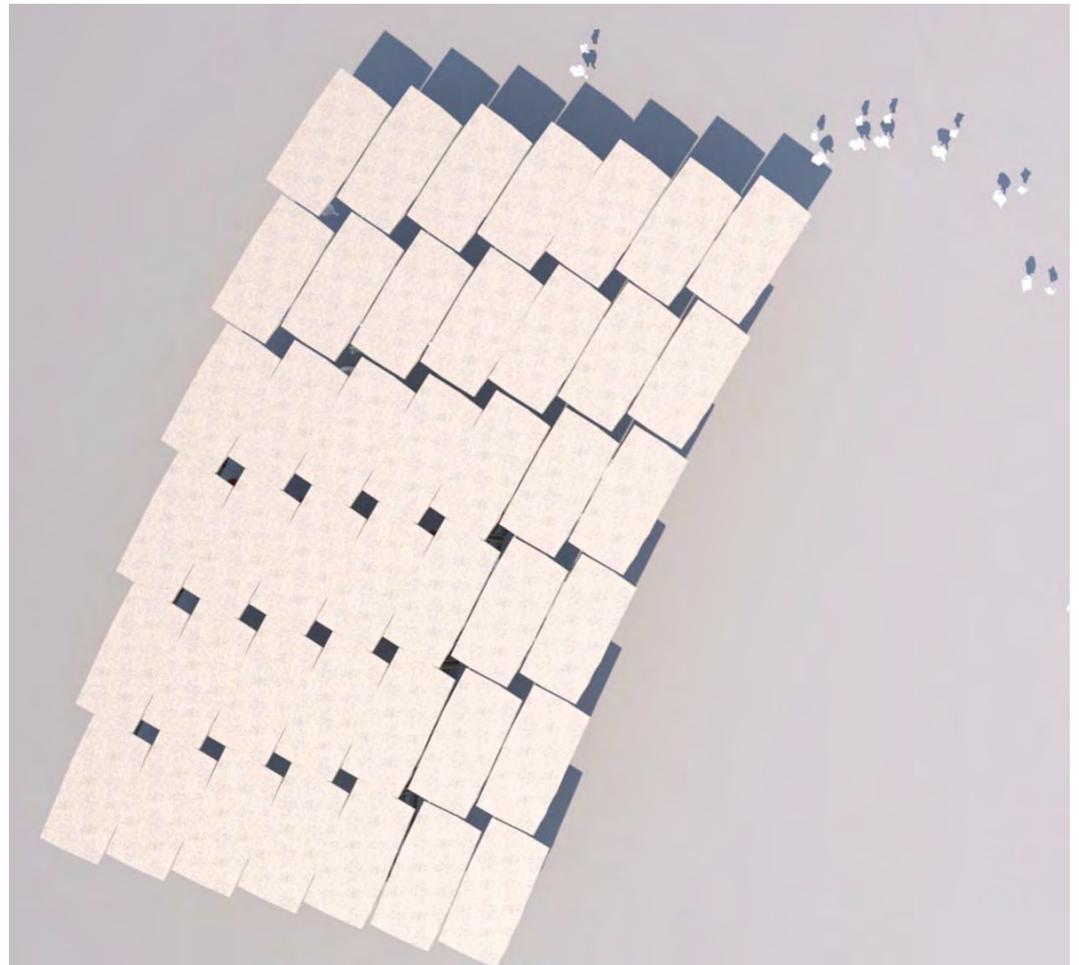
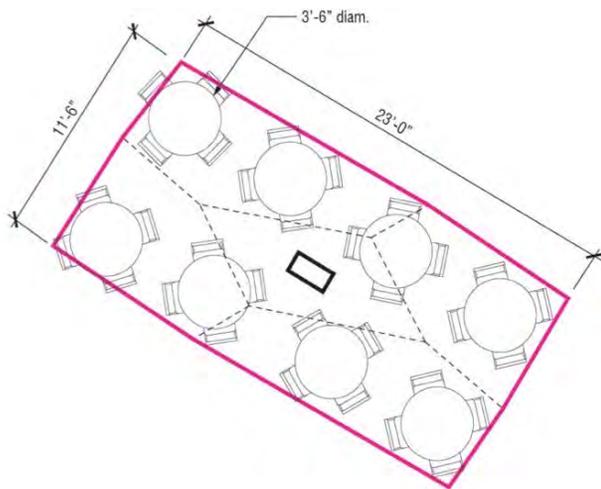
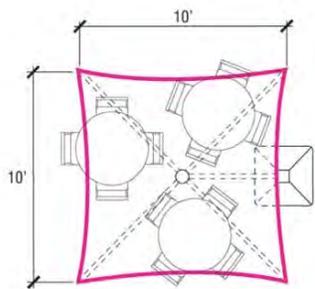
PARK PAVILION

EVERYTHING FEELS CONNECTED

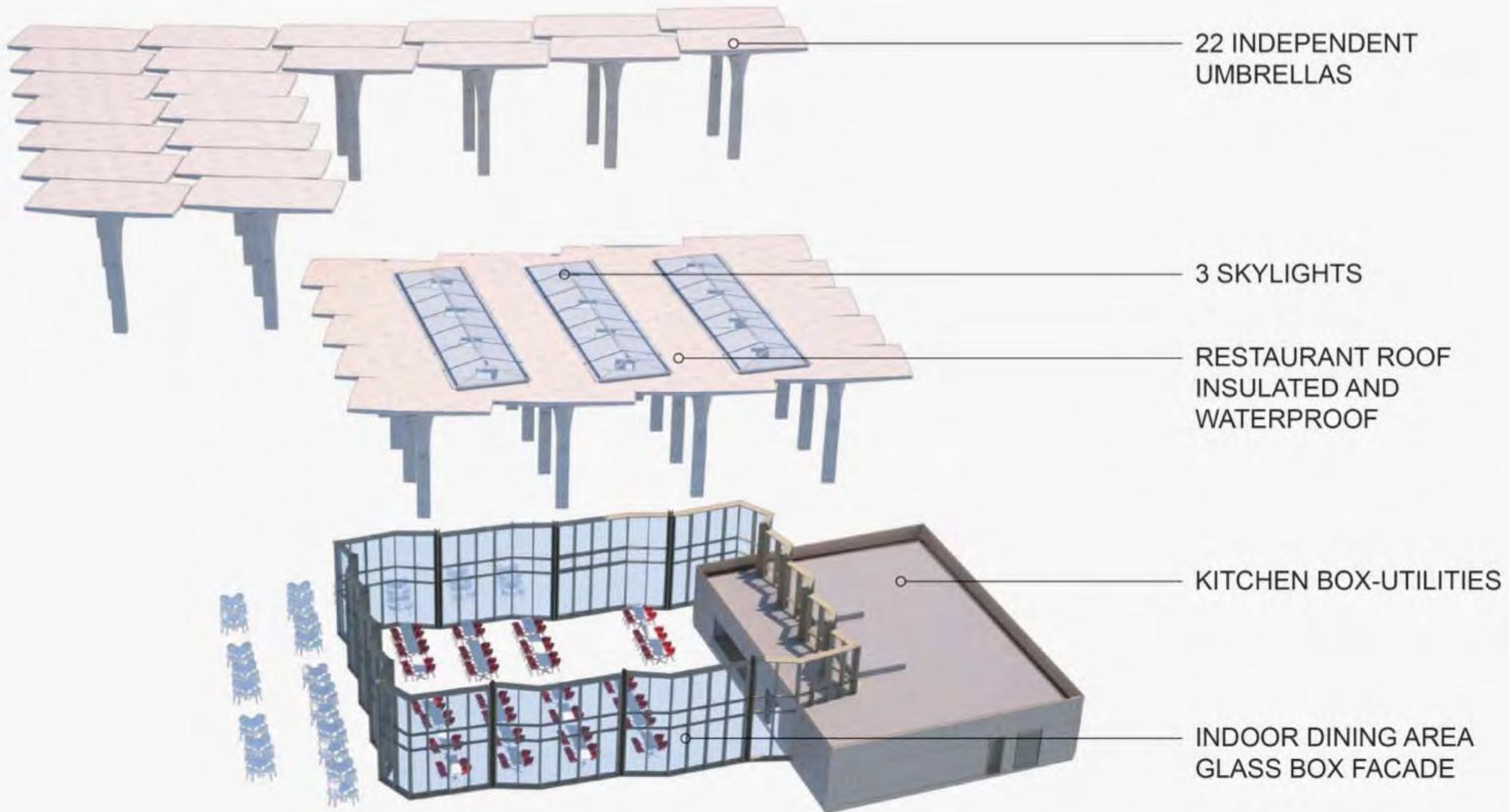


PAVILION DESIGN

UMBRELLAS STUDY



PAVILION DESIGN



PAVILION DESIGN

SOFT SHADE UNDER THE CANOPY



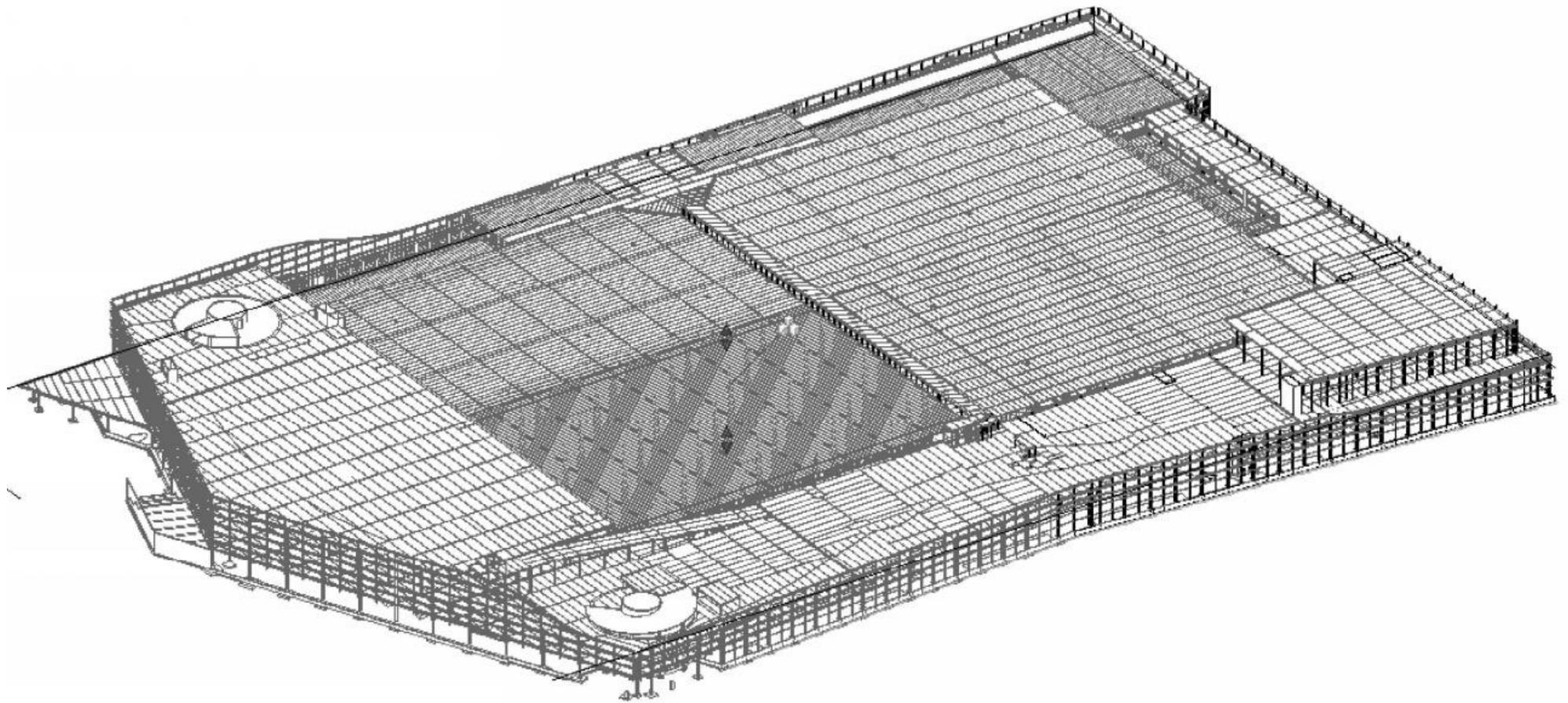
PARK PAVILION



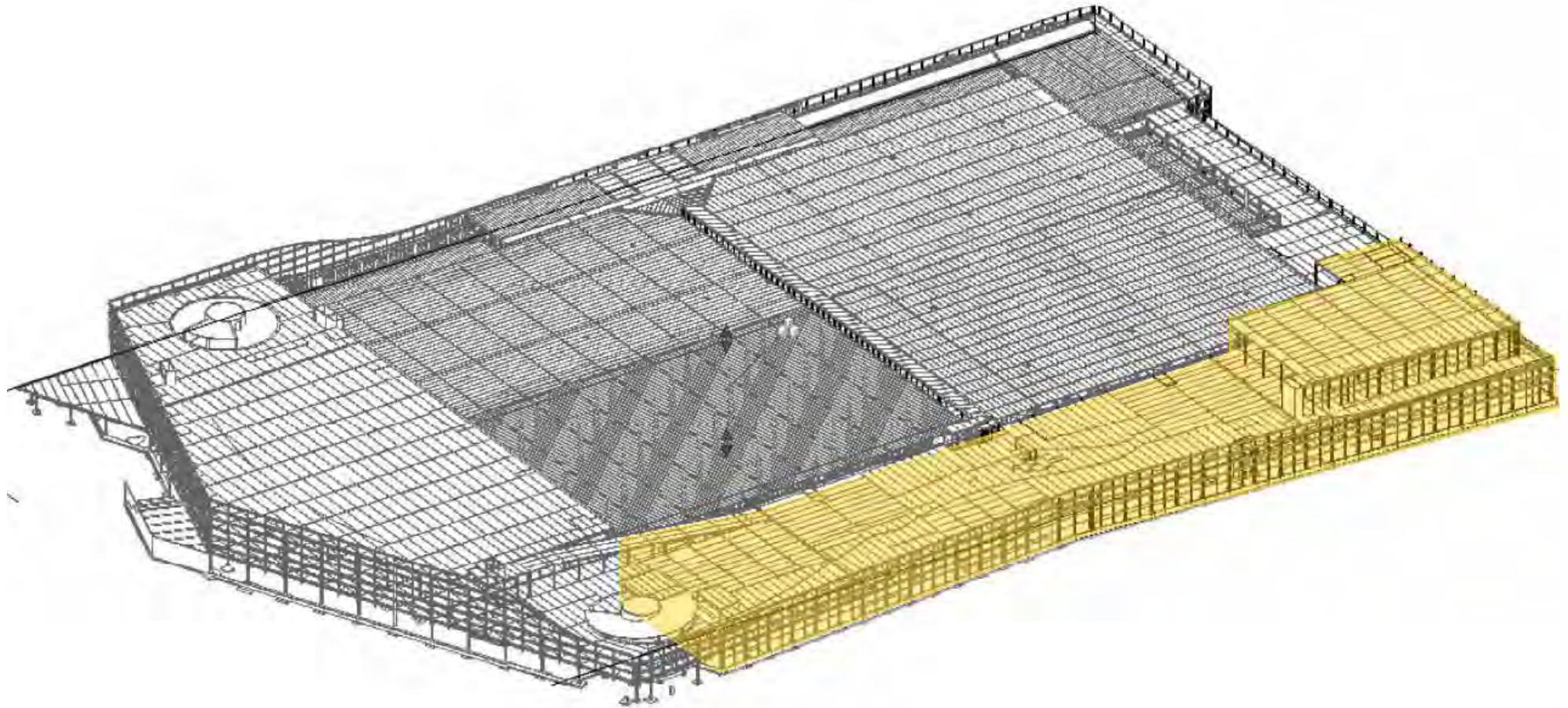
PARK PAVILION – NIGHT VIEW



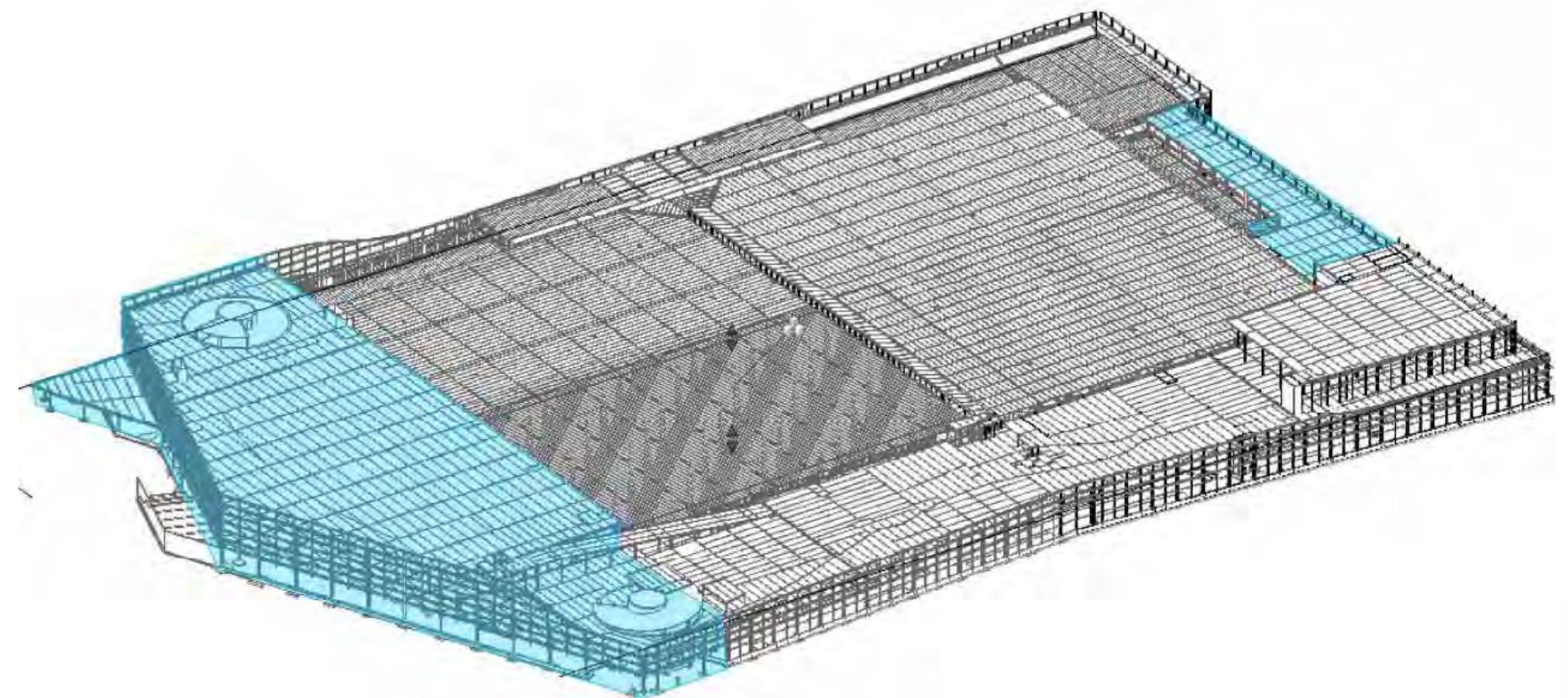
STRUCTURE



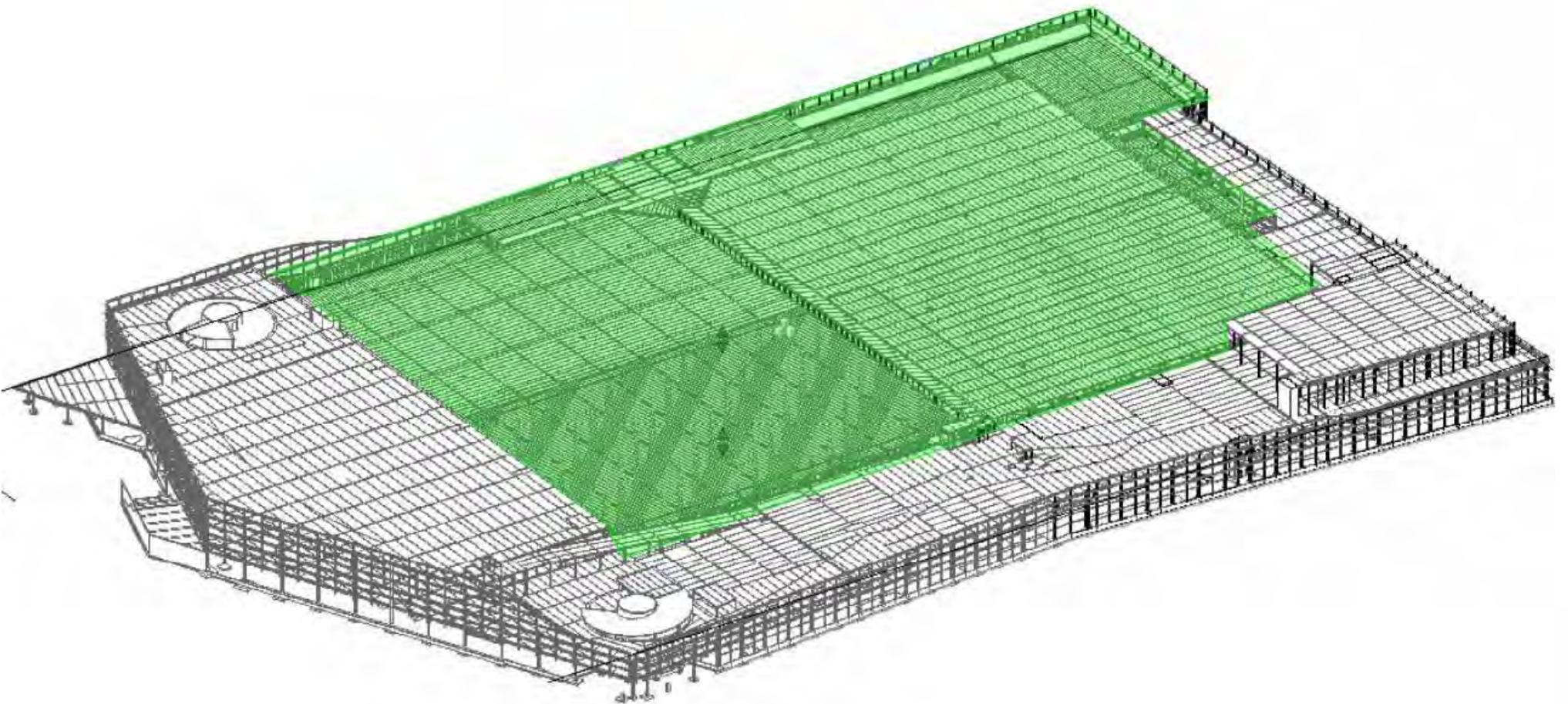
REMOVE AND REPLACE WEST STRUCTURE



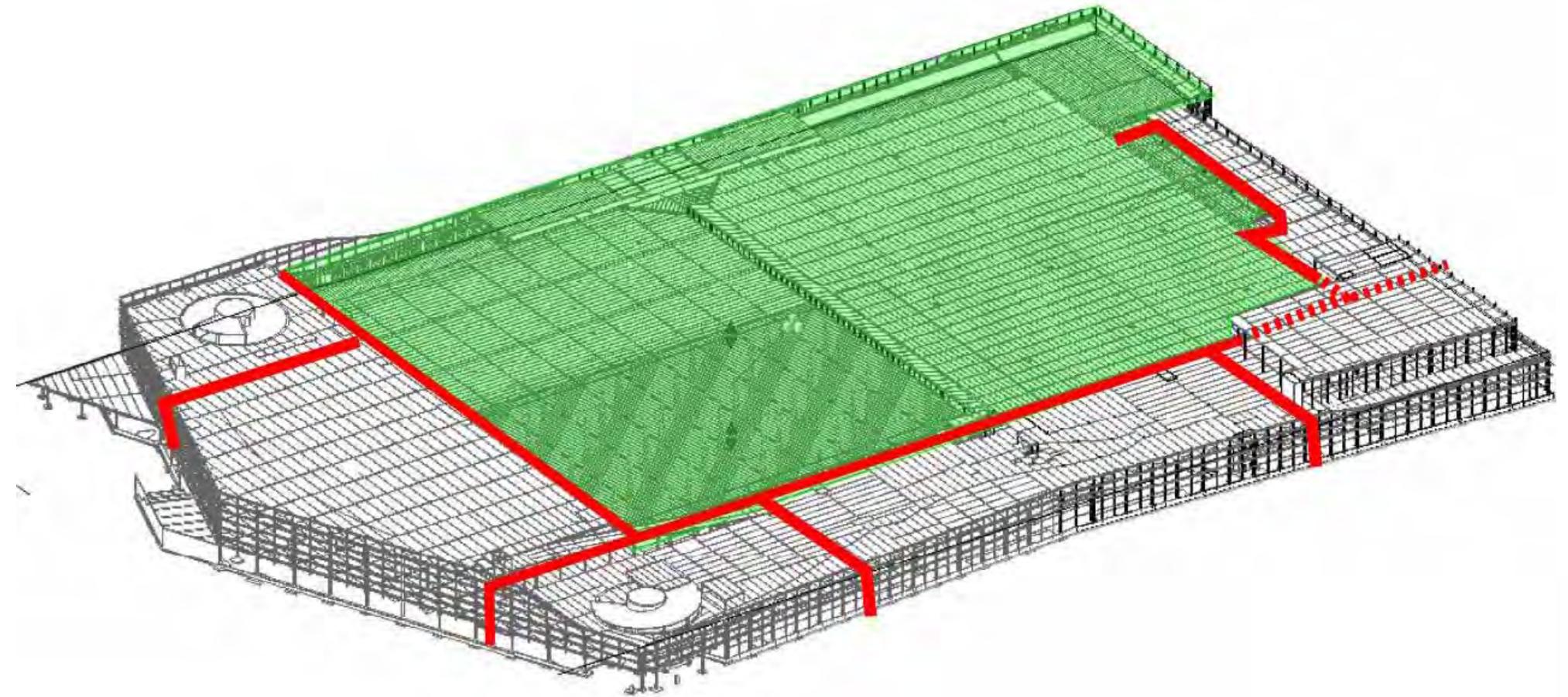
NEW NORTH STRUCTURE



EXISTING STRUCTURE

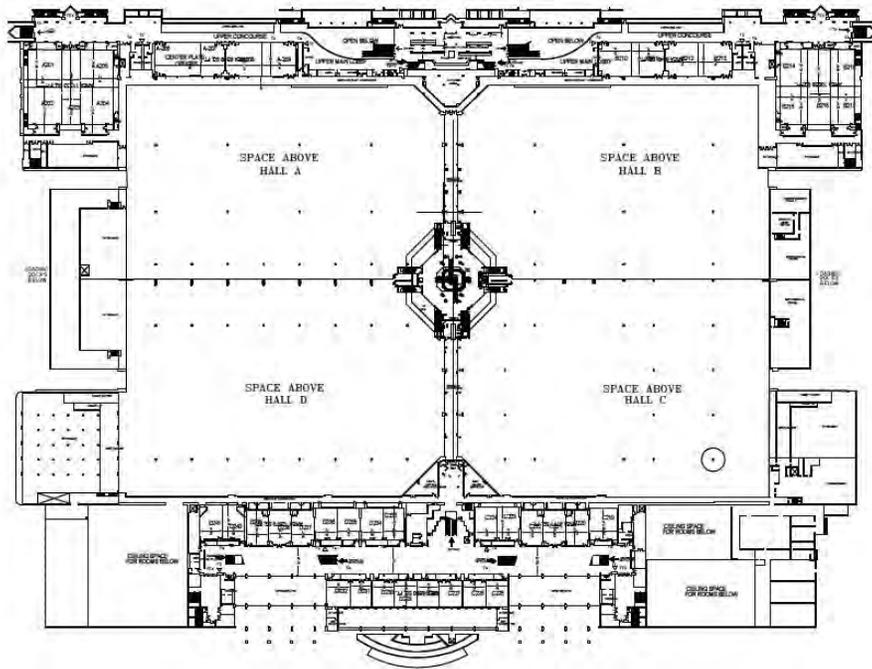


SEPARATE OLD AND NEW



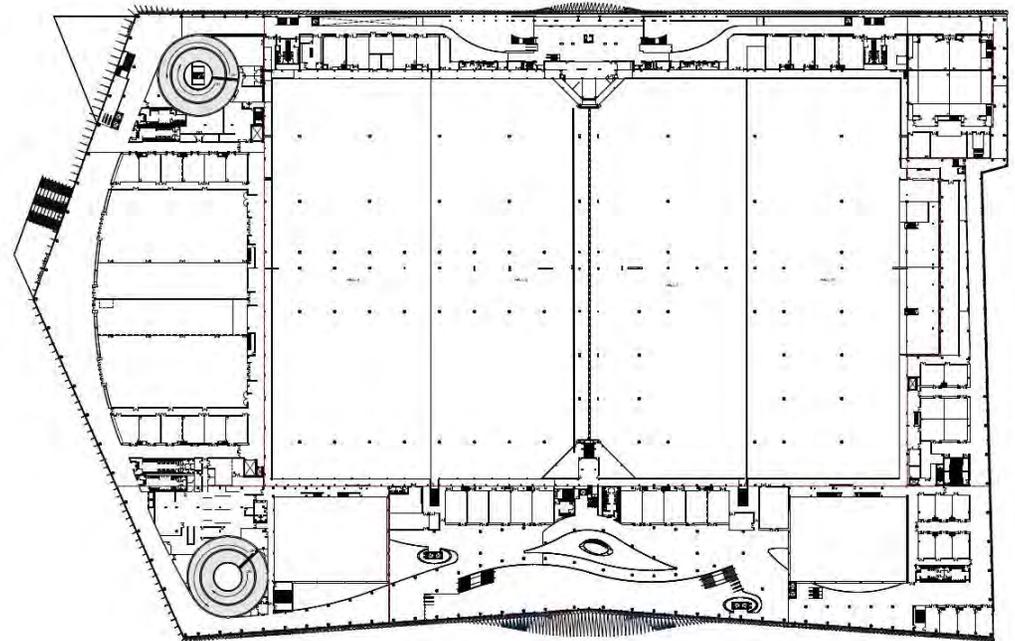
ARCHITECTURE

FACILITY PROGRAM



CURRENT

| | |
|--------------------|---------------------|
| Exhibit Space | 500,000 SF |
| Meeting Rooms (74) | 127,000 SF |
| Support Spaces | 545,376 SF |
| TOTAL | 1,172,376 SF |

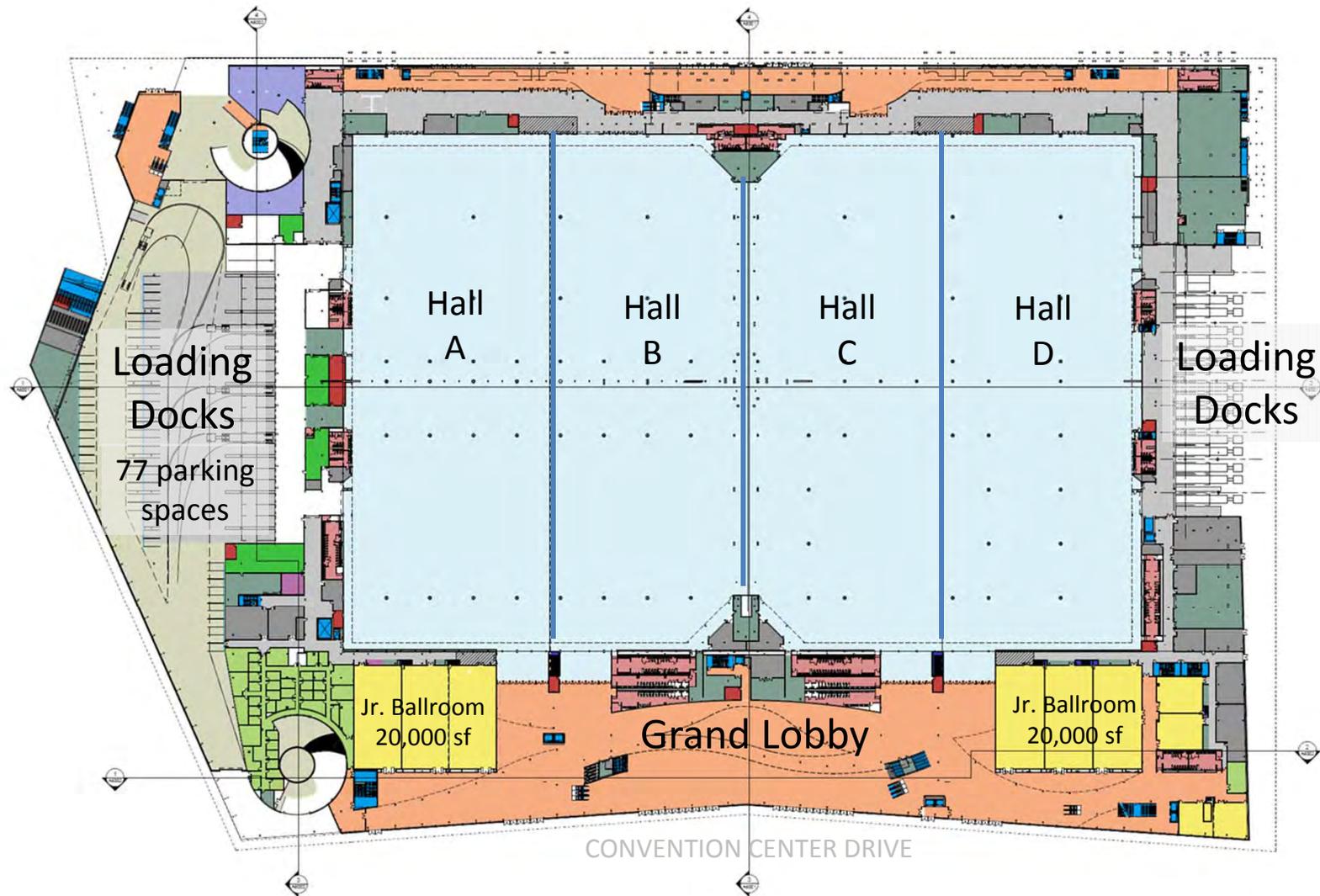


PROPOSED

| | |
|--------------------------------|---------------------|
| Exhibit Space | 505,190 SF |
| Ballrooms / Meeting Rooms (84) | 186,940 SF |
| Support Spaces | 774,243 SF |
| TOTAL | 1,466,373 SF |

Parking 365,700 SF

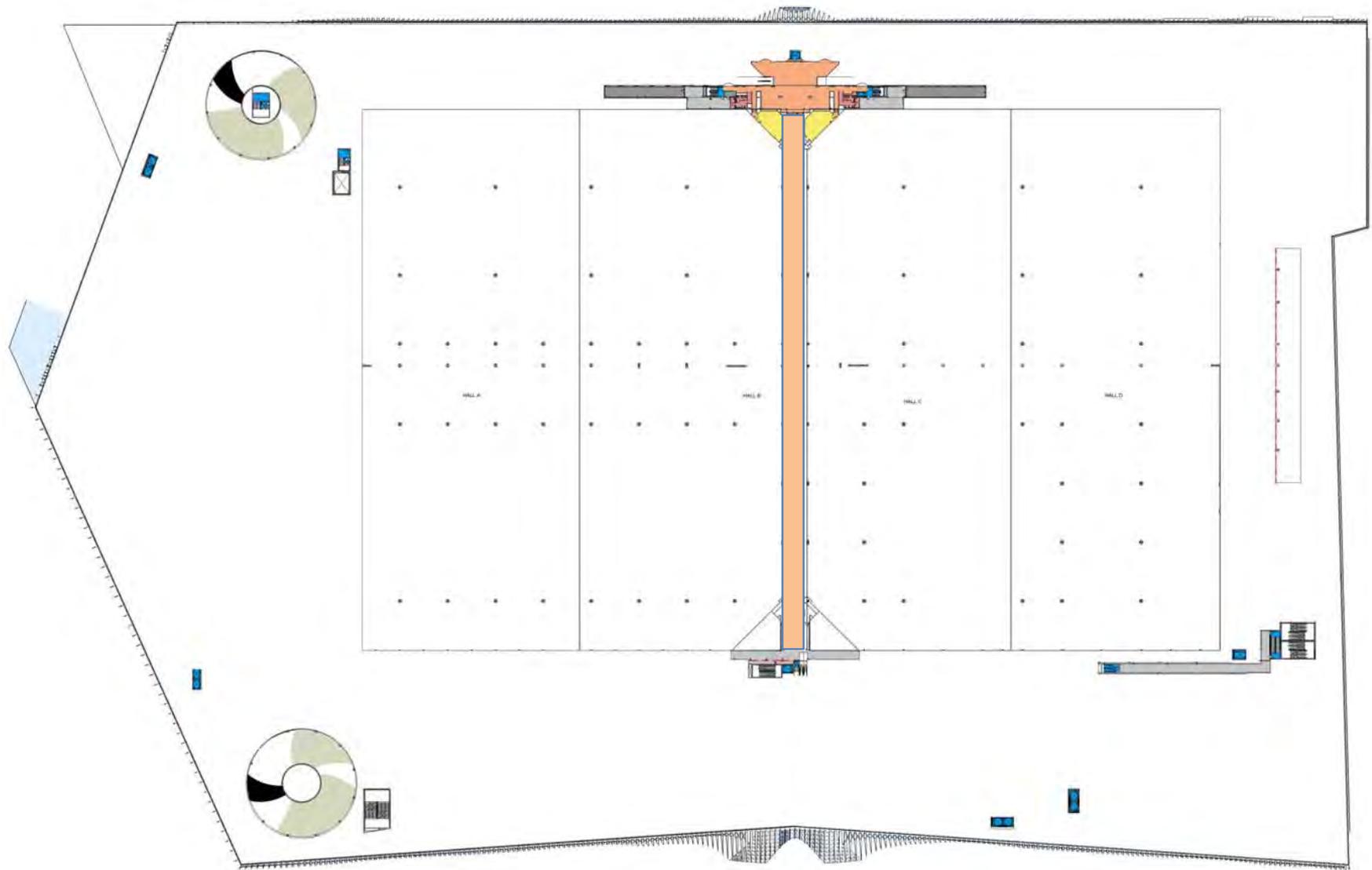
LEVEL 1



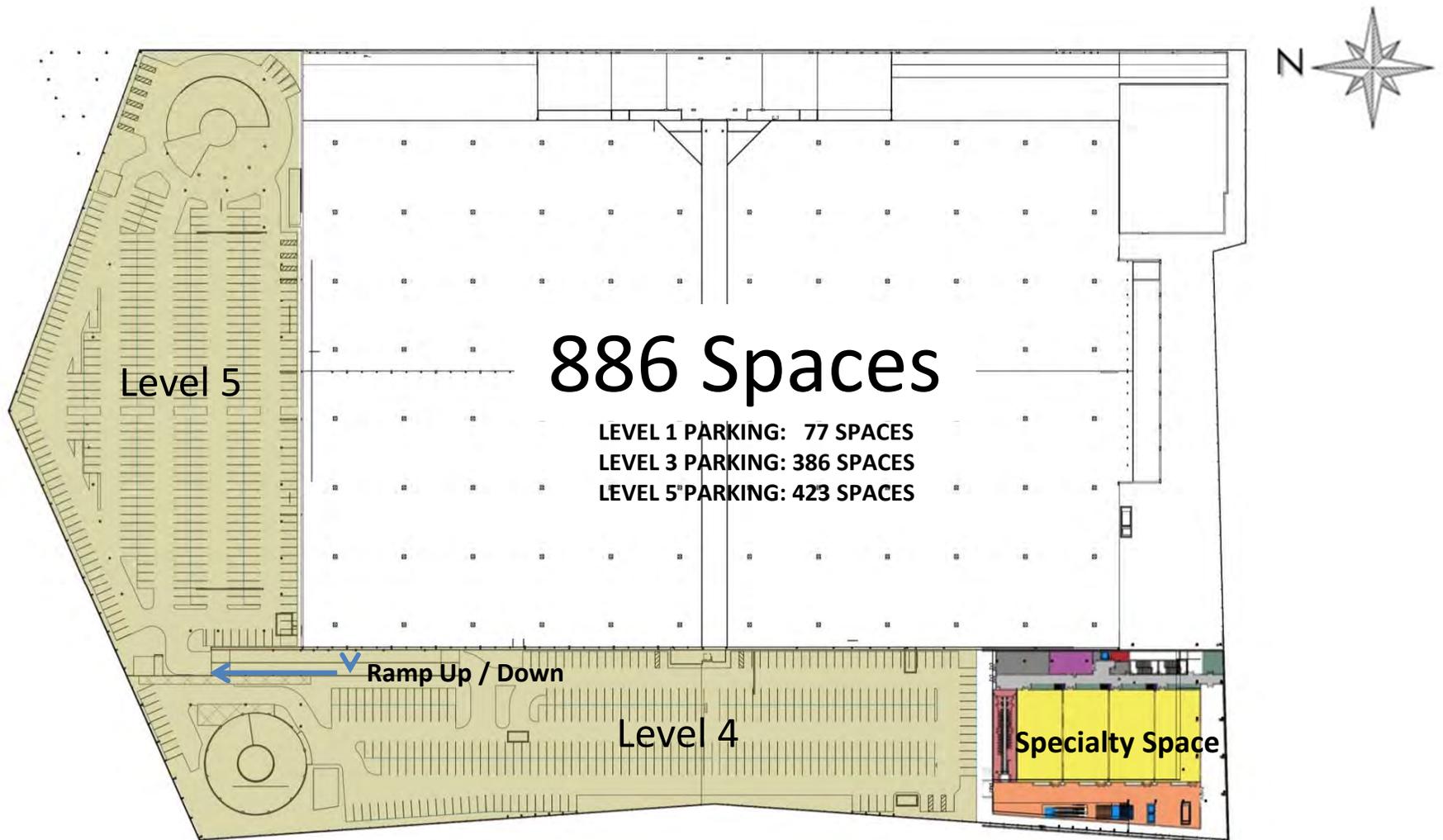
LEVEL 2



LEVEL 3 & EXHIBIT HALL BRIDGE

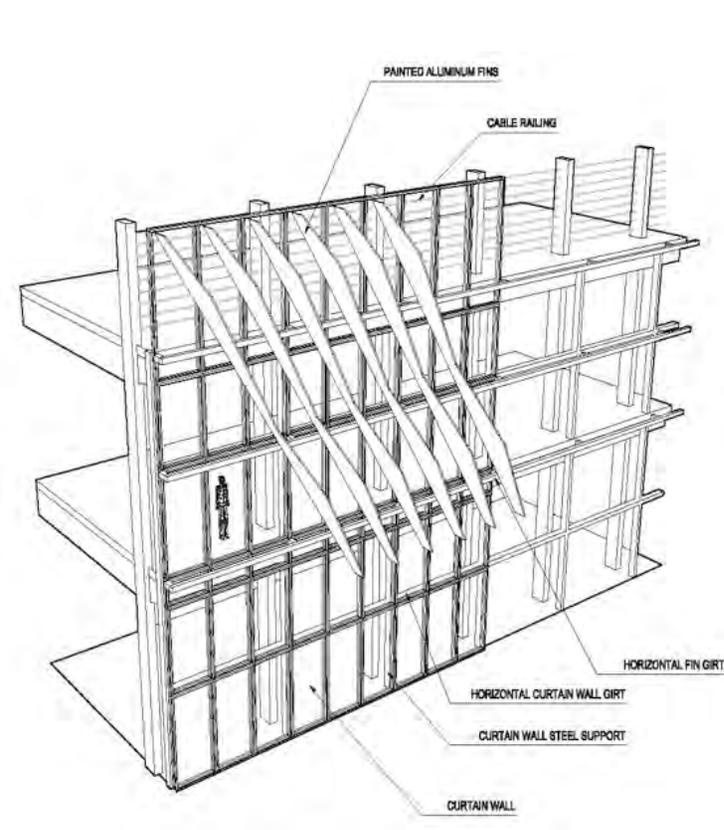
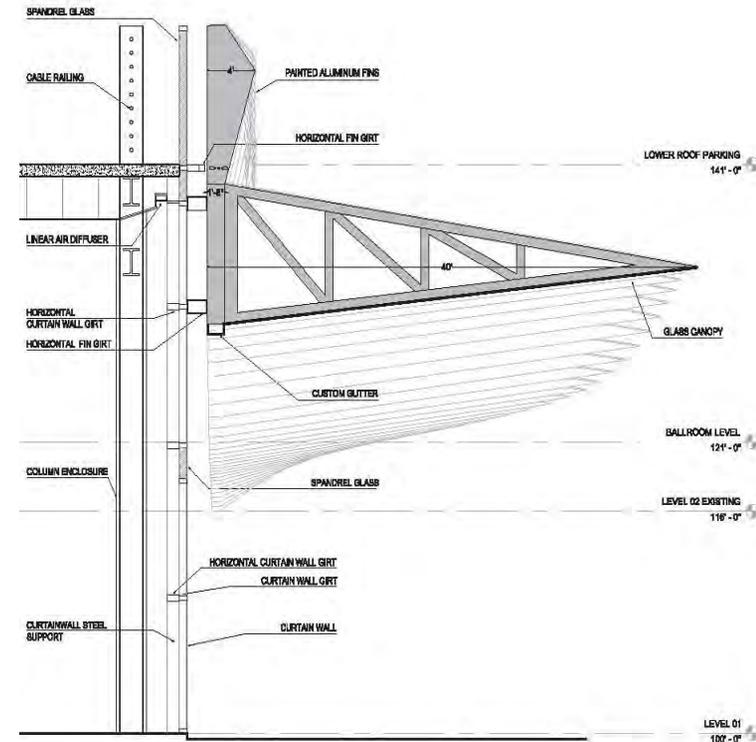
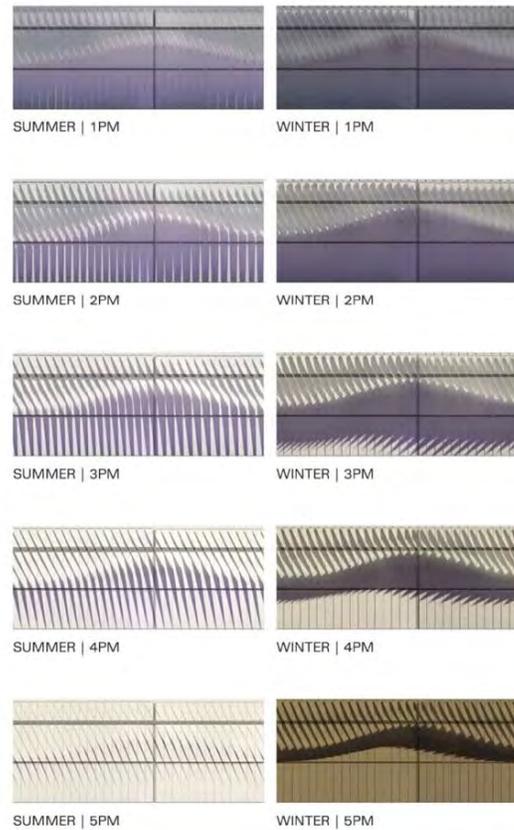


LEVEL 4 & 5



EXTERIOR FACADE SHADING AND SHELTER

WEST FACADE



CONVENTION CENTER DRIVE TODAY



CONVENTION CENTER DRIVE

A NEW FRONT DOOR



WASHINGTON AVENUE TODAY



WASHINGTON AVENUE RE-ENVISIONED



NORTHEAST CORNER TODAY



WELCOMING BALLROOM



NORTH TERRACE



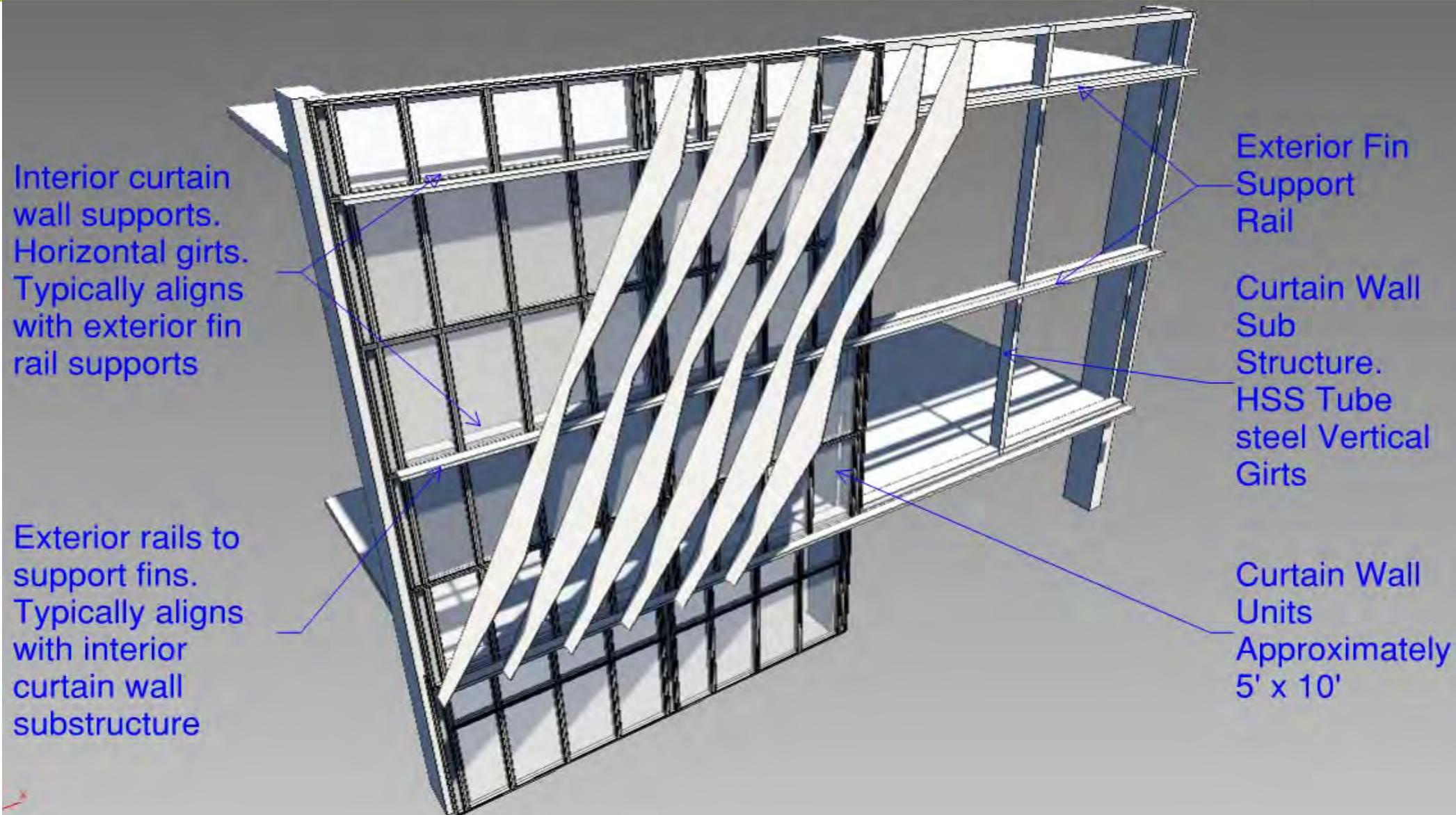
CONVENTION CENTER DRIVE SOUTHWEST CORNER



SOUTHWEST CORNER



ALUMINUM FIN SHADING SYSTEM



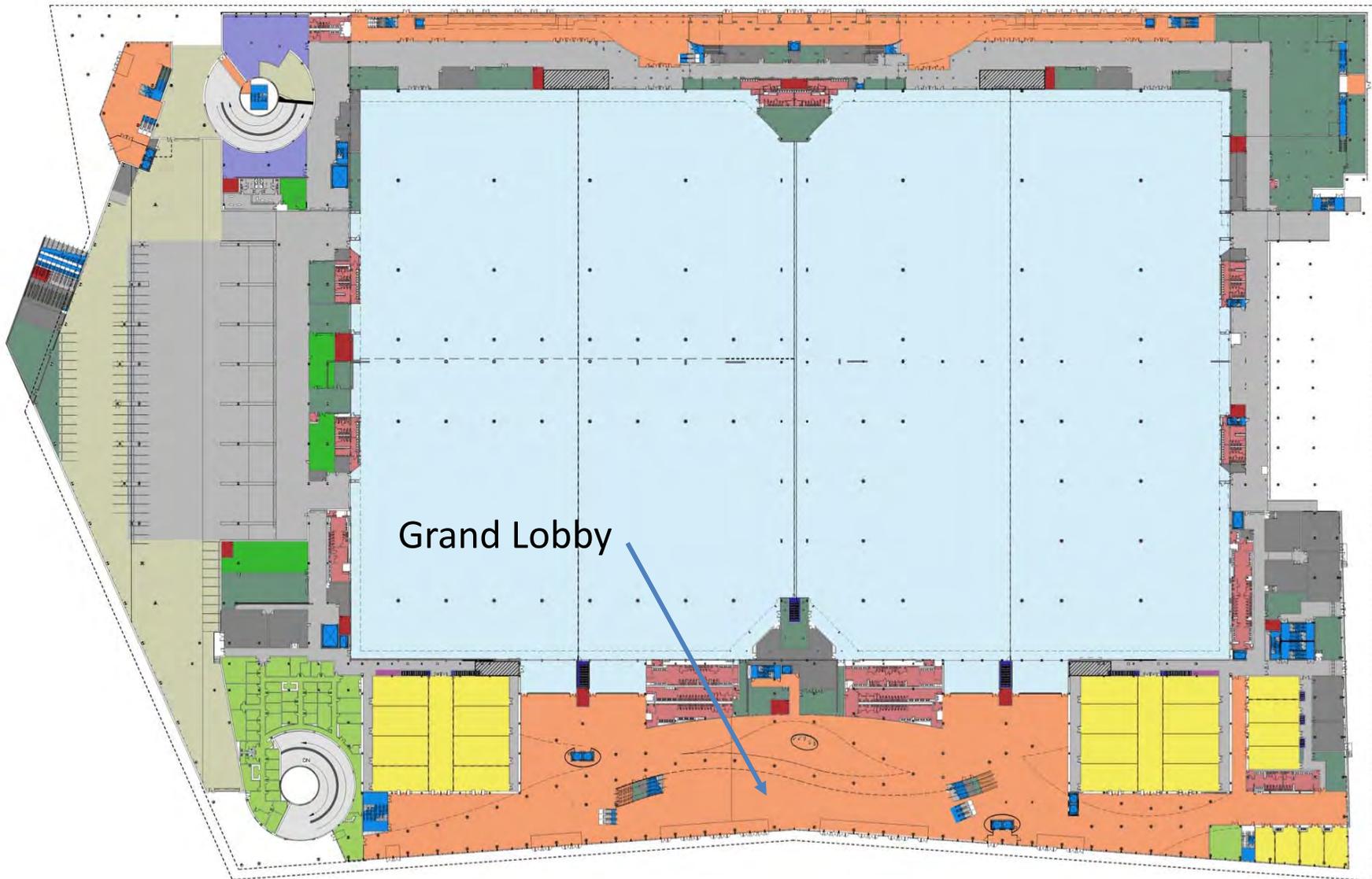
EXISTING ENTRY AT 19TH



NEW WEST ENTRY



LEVEL 1



EXISTING LOBBY



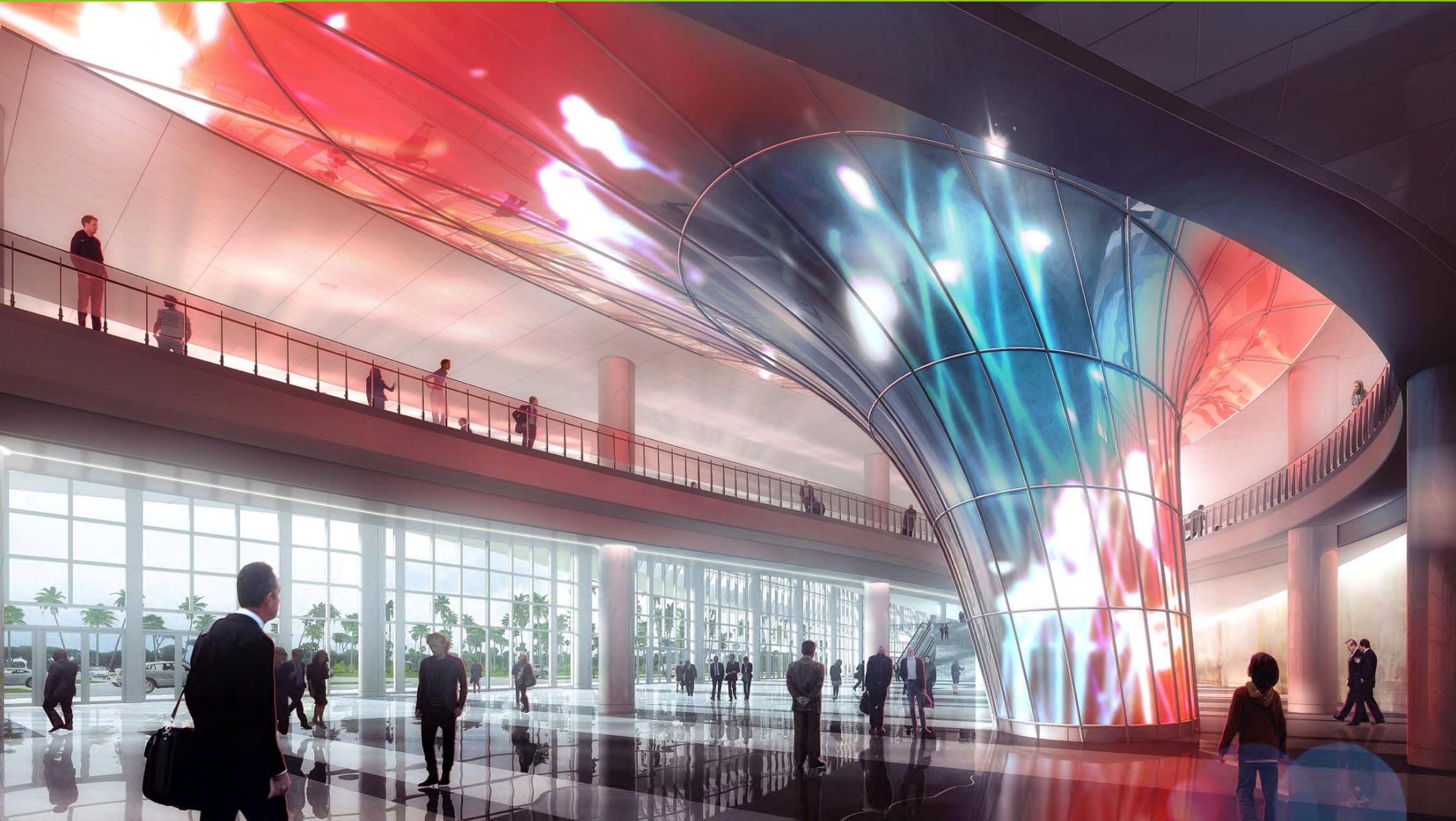
NEW GRAND LOBBY



GRAND LOBBY SOUTH VIEW



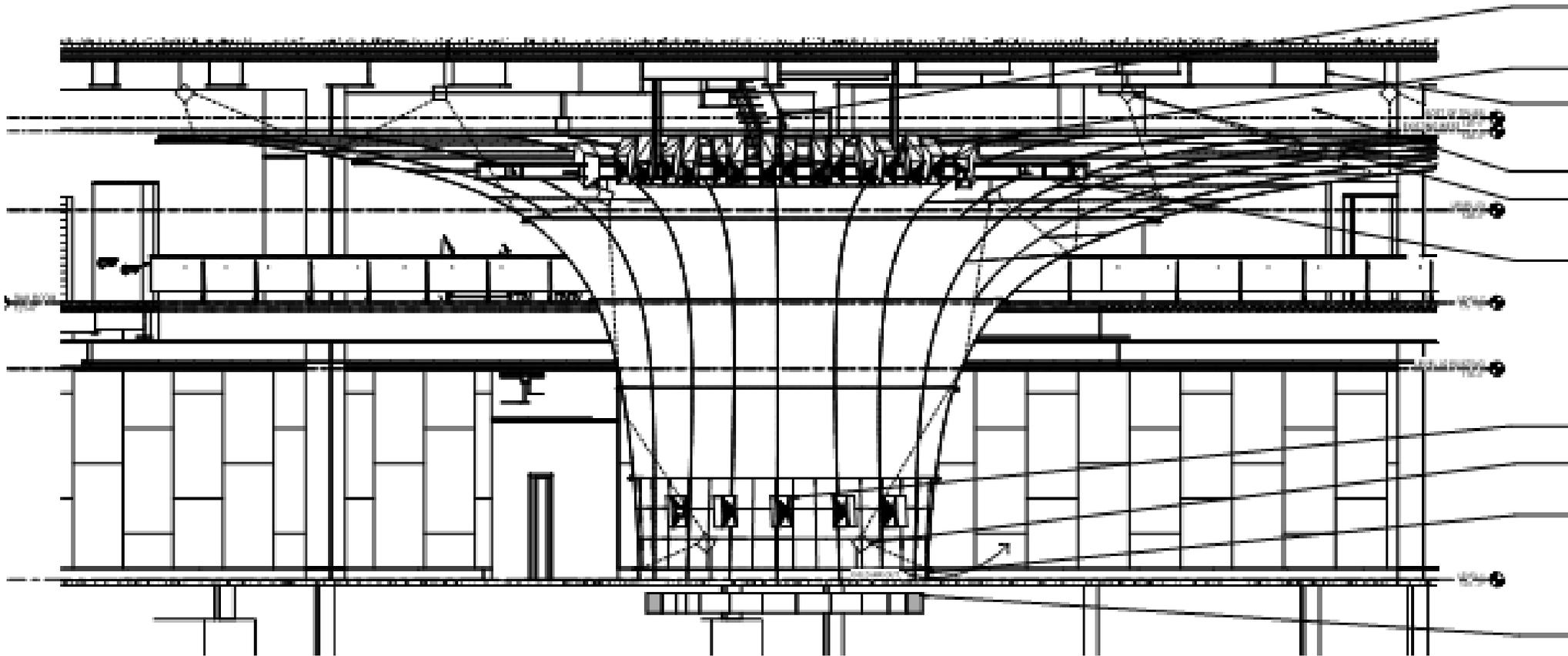
MEDIA FEATURE



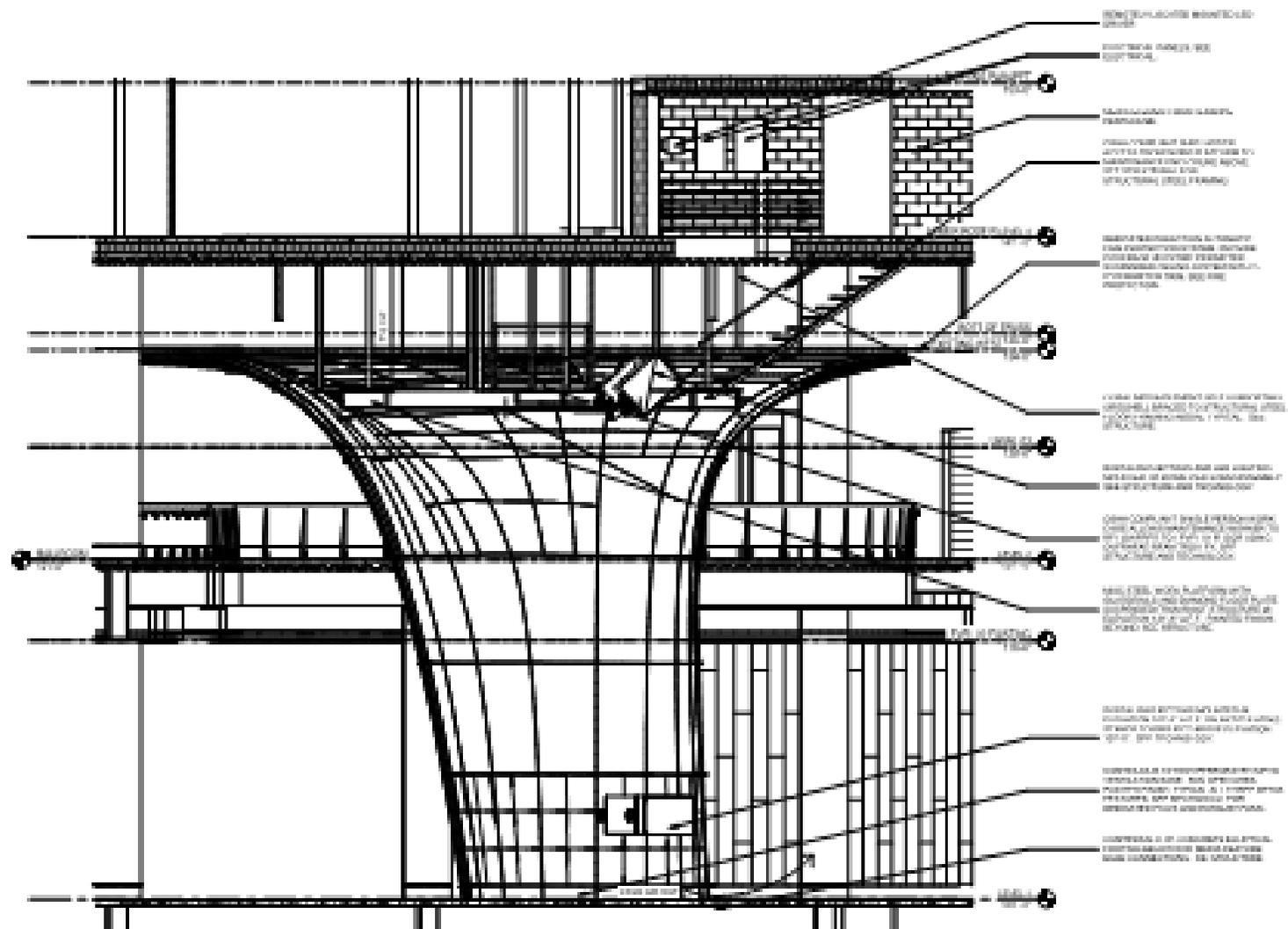
PROJECTION & LED LIGHTING



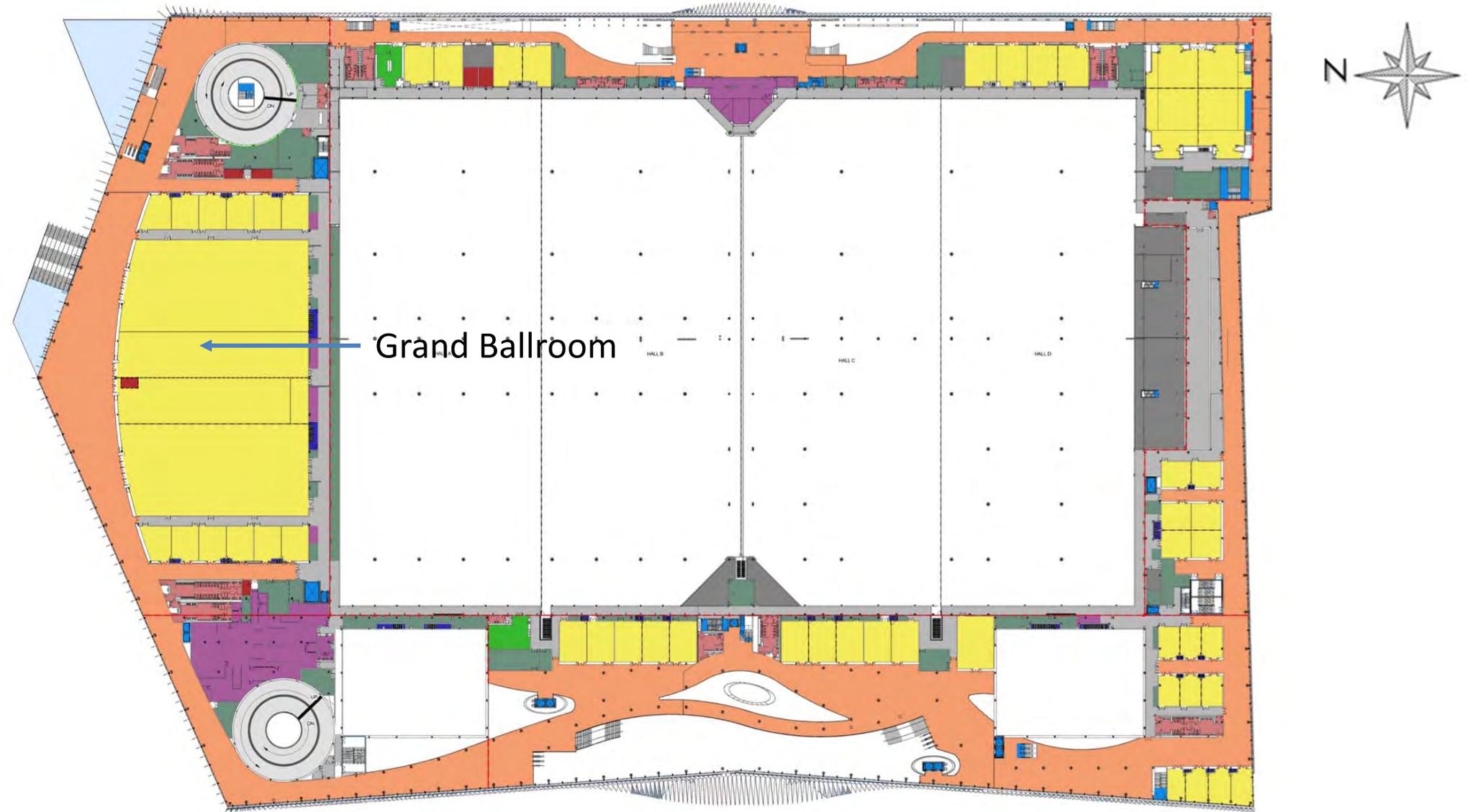
CORAL MEDIA FEATURE A



CORAL FEATURE B



LEVEL 2



EXISTING BALLROOM



FUTURE GRAND BALLROOM



LEVEL 4 MEETING SPACE



VIP MEETINGS



VIP - A LOBBY WITH A VIEW



A UNIQUE EVENT SPACE



VERTICAL TRANSPORTATION

- VERTICAL TRANSPORTATION SCHEDULE
- Two (2) new holeless hydraulic passenger elevators.
- One (1) new holeless hydraulic service elevators.
- One (1) new roped hydraulic service elevator.
- Three (3) new roped hydraulic freight elevators.
- Twelve (12) new machine room less traction passenger elevators.
- Modernize one (1) existing service elevator.
- Fourteen (14) new escalators.
- Modernize four (4) existing escalators.

FIRE PROTECTION

FIRE SPRINKLER

- 100 % Fully sprinklered facility.
- Fire sprinkler zones to be reconfigured to correspond to the new zones/layout
- Replace the existing fire sprinkler piping with new.
- Design densities to correspond with FFPC/NFPA 13 requirements except in the exhibit hall (maintain existing density)
- Provide pre-action system to protect center coral feature
- Existing fire pump equipment to remain:
 - Relocate pumps/controllers to new fire pump rooms.
 - D/B team required to service/refurbish the existing fire pumps (with manufacturer's representative).
 - NFPA 20 compliance for new pumps

FIRE PROTECTION

FIRE ALARM

- 100 % Fully protected facility with Fire Command Center
- Notification – audible and visible notification per FBC and FFPC.
 - Audible – Emergency Voice/Alarm Communication System
 - Visible – Provide visible notification appliances in accordance with FBC/FFPC requirements
- Detection – NFPA 72 “Total-Coverage” in areas served by smoke control system
- Detection can be accomplished via spot type, beam, air aspirating (VESDA), video or Open-air Smoke Imaging Detection (OSID).
- Coordination with the mechanical team is critical to ensure proper FA Sequence of Operations is established for the smoke control system

FIRE PROTECTION

SMOKE CONTROL

- DCP packages incorporates a performance-based design (PBD) analysis for the smoke control systems serving the MBCC.
- Smoke control system serves the majority of the MBCC (exhibit halls, ballrooms, pre-function, BOH corridors, etc...)
- Smoke control to be initiated via fire sprinkler, fire alarm and manual signals
- Fire Fighter's Smoke Control Panel (FFSCP) to be provided within the Fire Command Center (graphics to be approved by MBFD)
- Submission of a Rational Analysis, prepared by the D/B team, will be required addressing smoke control methodology.
- City of Miami Beach Fire Department has specified key design issues:
 - Exhaust Methodology, Fire size and Locations, tenability criteria
- D/B team will be responsible for providing algebraic calculations/computer modeling to justify/prove their smoke control system design

LIFE SAFETY

EGRESS:

- DCP packages incorporates a performance-based design (PBD) analysis for the egress systems serving the MBCC.
- PBD analysis utilized to justify/permit:
 - Extended travel distances in the exhibit halls and atrium
 - Use of reduced egress width factors throughout
 - Utilization of open stairs as part of the means of egress
- DCP package also utilizes modified occupant load factors (exhibit hall) and fixed occupant load (ballroom). (discussed with MBFD)
- If a PBD approach is utilized by the D/B team, agreement on the design parameters and performance objectives is between the D/B team and MBFD.
- Interim Life Safety Plans are required to be prepared by the D/B Team and submitted to MBFD for approval. Plans must depict the FP/LS features that are affected/remain in service during phased construction efforts.

LIFE SAFETY

Fire-Resistance Rated (FRR) Barriers:

- Type of Construction was determined to be Type 1B. Ratings shall be provided in accordance with FBC Table 601 for building elements
- DCP packages incorporates an unprotected vertical opening, classified as an atrium. FRR separation will be required between active and passive zones
- Several rooms, due to the inherent hazard, will require FRR separation from adjacent spaces (fire pump, EG, main electrical rooms, etc...)
- Intent of the DCP package was to utilize non-separated, mixed-use occupancy approach, working to limit the number of FRR separations
- Garage must be separated by 2-hour FRR construction from adjacent occupancy per FFPC, when minimum separation distance is not achieved (NFPA 88A)

MECHANICAL

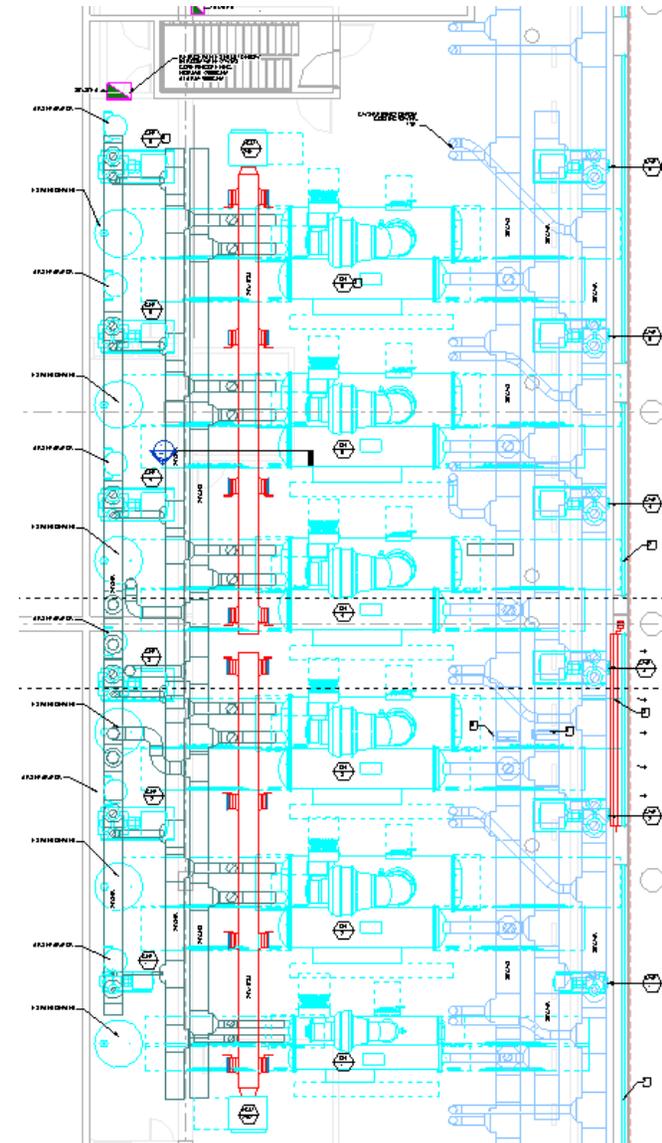
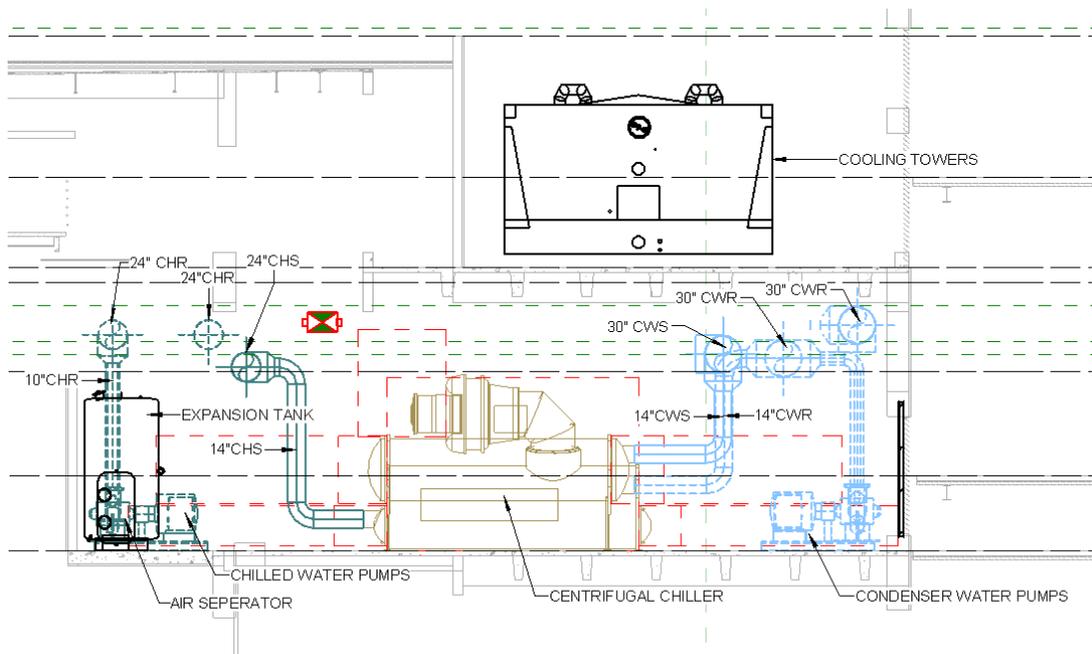
- Chillers
 - (5) 1500 Ton machines w/ one being standby
 - (1) 500 Ton "Pony"
 - High Efficiency
 - Variable/primary system with new pumps
 - Disassembly for installation
- Cooling Towers
 - (4) existing towers remaining and being "refurbished"
 - (1) New cooling tower
 - New variable speed condenser water pumps

MECHANICAL

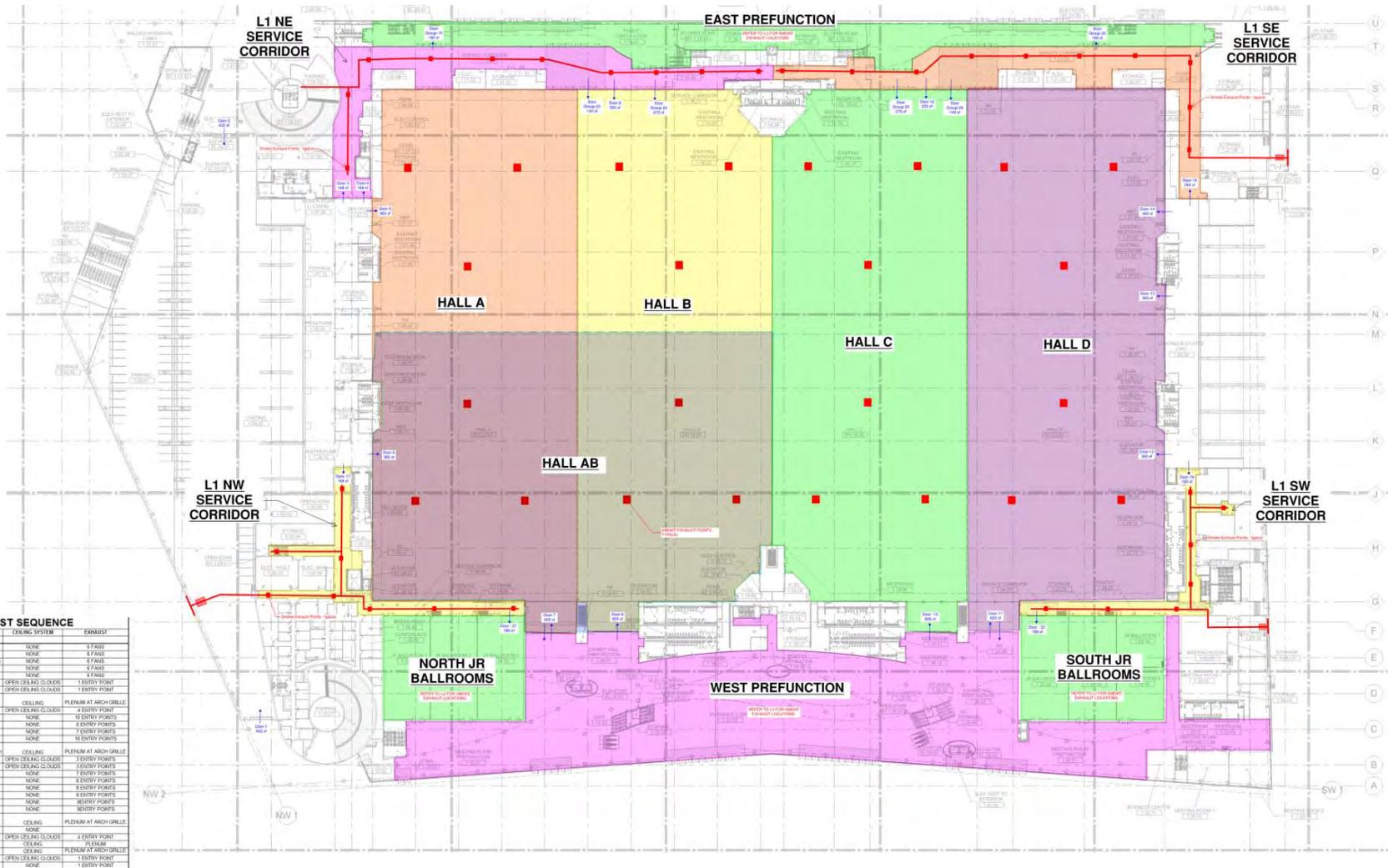
- AHU's
 - Single Zone VAV and Multi zone throughout facility
 - Single Zone VAV – Exhibit Halls
 - Multi Zone in remainder of building consisting of VAV boxes with electric heating
 - Epoxy coil coating
- New distribution ductwork and diffusers throughout facility
- Kitchen - Ecology Unit
- General Exhaust
- TR Rooms/IT Rooms - Split Systems
- Phasing of mechanical system replacement

CHILLER ROOM

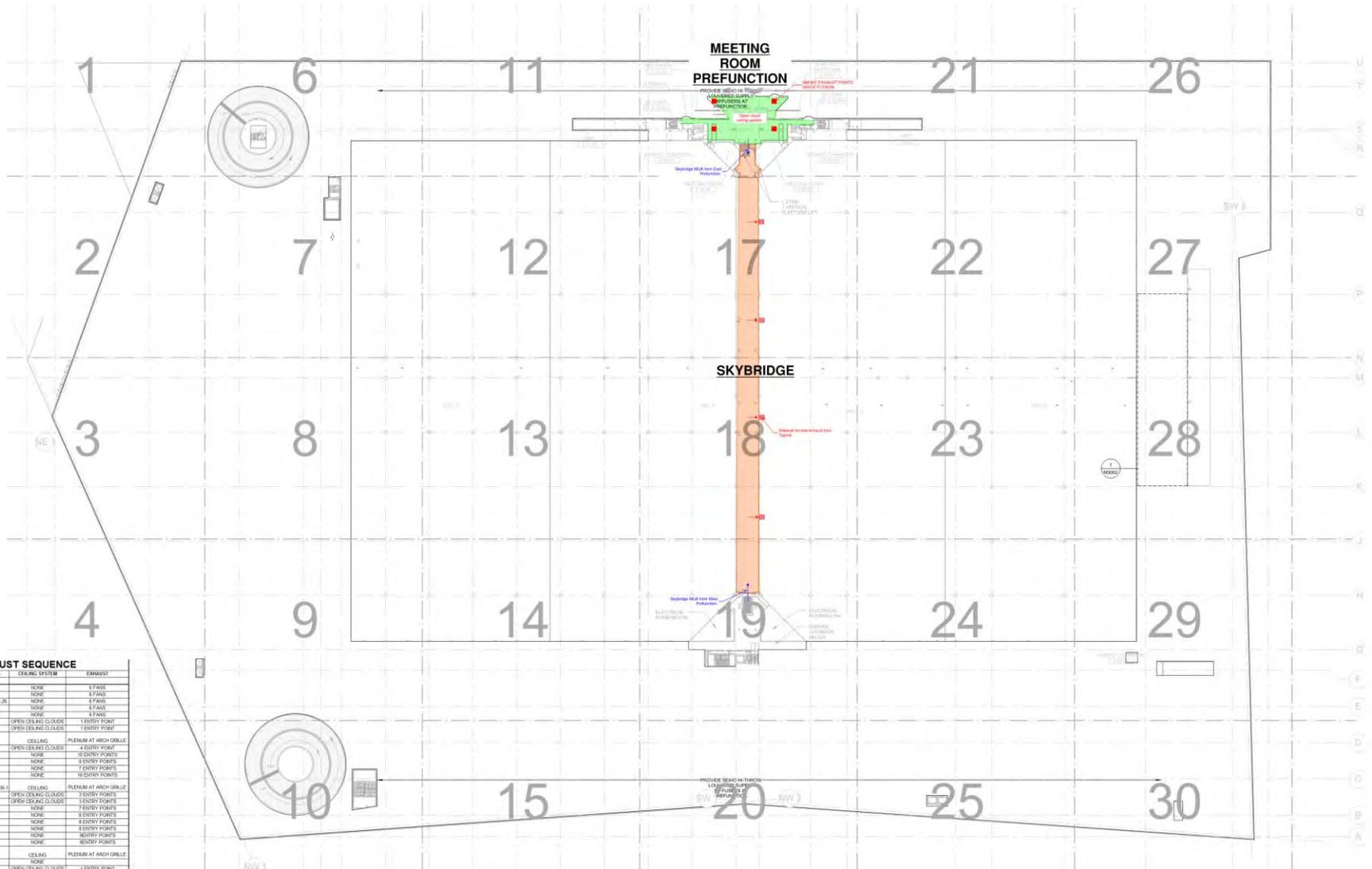
- (5) 1500 Ton Chillers
- (1) 500 Ton "Pony" Chiller
- (6) Condenser Water Pumps w/ VFD's
- (6) Chilled Water Pumps w/ VFD's
- (6) Expansion Tanks
- (6) Air Separators
- (4) Existing Cooling Towers
- (1) New Cooling Tower



SMOKE CONTROL LEVEL 1

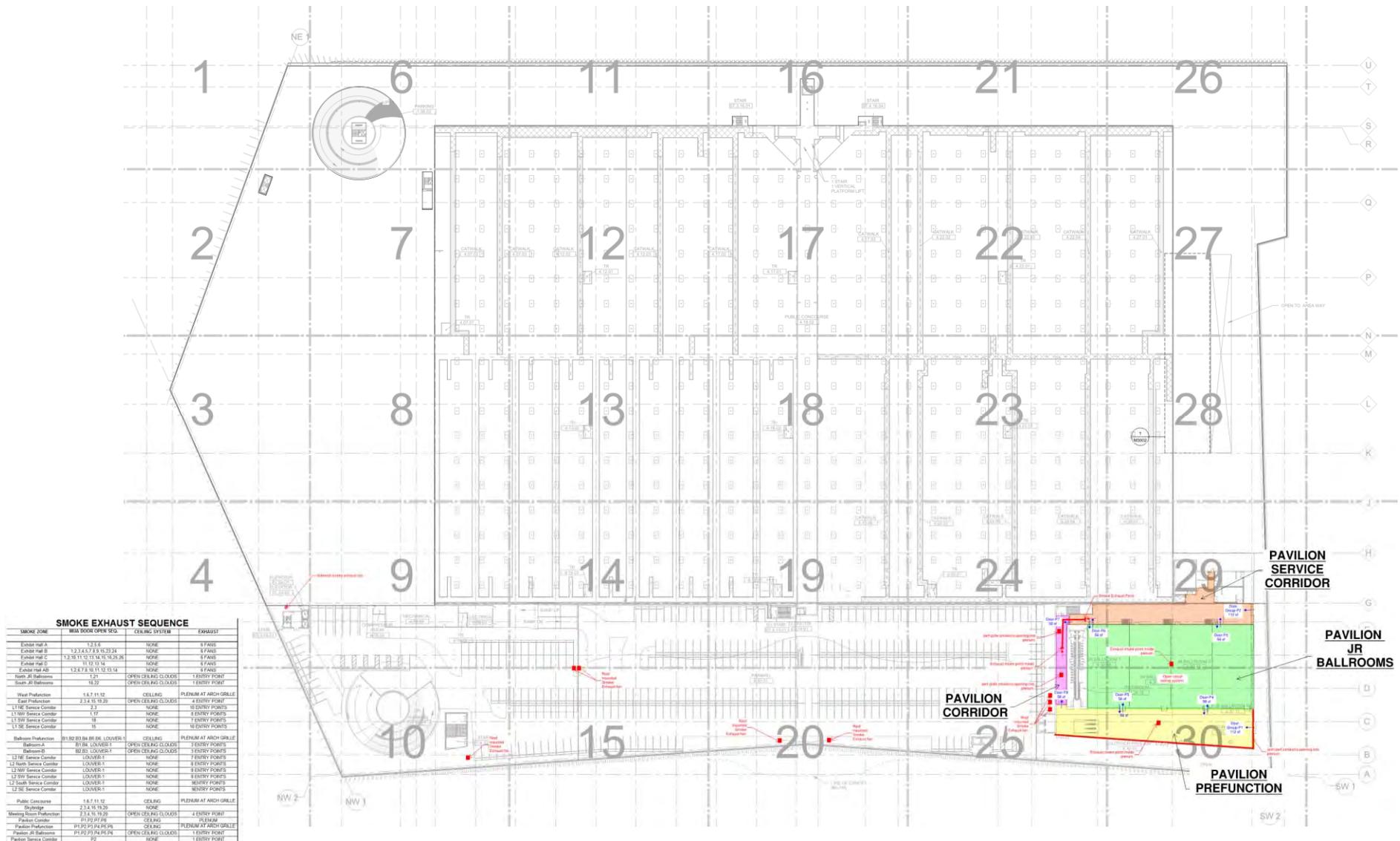


SMOKE CONTROL LEVEL 3



| SMOKE ZONE | MIN WIND SPEED (FT/S) | CEILING SYSTEM | EXHAUST |
|-----------------------------|--------------------------------|---------------------|---------------------------|
| Exhibit Hall A | 12.1 E | NONE | 1 FANS |
| Exhibit Hall B | 12.1 E, 12.1 E, 12.1 E, 12.1 E | NONE | 2 FANS |
| Exhibit Hall C | 12.1 E, 12.1 E, 12.1 E, 12.1 E | NONE | 2 FANS |
| Exhibit Hall D | 11.7 E | NONE | 2 FANS |
| Exhibit Hall AB | 12.1 E, 12.1 E, 12.1 E, 12.1 E | NONE | 2 FANS |
| North 3rd Ballrooms | 10.7 | OPEN CEILING CLOUDS | 1 ENTRY POINT |
| South 3rd Ballrooms | 10.7 | OPEN CEILING CLOUDS | 1 ENTRY POINT |
| West Production | 14.7 E, 15.7 E | CEILING | PIEDestal AT ARCH ORIFICE |
| East Production | 23.4 E, 19.7 E | OPEN CEILING CLOUDS | 4 ENTRY POINTS |
| L1 NE Service Corridor | 2.3 | NONE | 1 ENTRY POINTS |
| L1 NW Service Corridor | 1.17 | NONE | 2 ENTRY POINTS |
| L1 SW Service Corridor | 1.8 | NONE | 1 ENTRY POINTS |
| L1 SE Service Corridor | 1.8 | NONE | 1 ENTRY POINTS |
| Ballroom Production | 11.8 E, 11.8 E, 11.8 E, 11.8 E | CEILING | PIEDestal AT ARCH ORIFICE |
| Ballroom A | 11.8 E | LOUVER 1 | 1 ENTRY POINTS |
| Ballroom B | 11.8 E | LOUVER 1 | 1 ENTRY POINTS |
| L2 NE Service Corridor | LOUVER 1 | NONE | 1 ENTRY POINTS |
| L2 NW Service Corridor | LOUVER 1 | NONE | 1 ENTRY POINTS |
| L2 SW Service Corridor | LOUVER 1 | NONE | 1 ENTRY POINTS |
| L2 SE Service Corridor | LOUVER 1 | NONE | 1 ENTRY POINTS |
| Public Concourse | 14.7 E, 15.7 E | CEILING | PIEDestal AT ARCH ORIFICE |
| Skybridge | 23.4 E, 19.7 E | NONE | 4 ENTRY POINTS |
| Meeting Room Production | 2.3 E, 1.17 E, 1.8 E | OPEN CEILING CLOUDS | 1 ENTRY POINT |
| Production Corridor | 11.8 E, 11.8 E, 11.8 E | CEILING | PIEDestal AT ARCH ORIFICE |
| Production Production | 11.8 E, 11.8 E, 11.8 E, 11.8 E | CEILING | PIEDestal AT ARCH ORIFICE |
| Production Ballrooms | 11.8 E, 11.8 E, 11.8 E, 11.8 E | OPEN CEILING CLOUDS | 1 ENTRY POINT |
| Production Service Corridor | 10.7 | NONE | 1 ENTRY POINT |

SMOKE CONTROL LEVEL 4



ELECTRICAL

- New Service & Power Distribution
- New LED Lighting (except exhibit hall)
- New Emergency Power Generation
- New Grounding System

PLUMBING

- Storm Drainage System
- Sanitary Drainage System
- Domestic Water
- Hydronic Piping
- Natural Gas
- Compressed Air
- Rain Water Harvesting

TECHNOLOGY AND ACOUSTICS

❑ AV Systems

- Coral Media Feature
- Displays
 - Interactive Way Finding
 - Scheduling Displays
 - Large Screen Displays
- Dedicated AV Network
- Audio Signal Distribution and Processing
- IPTV
- AV Control Systems

❑ IT / Telecom Infrastructure Design

- Telecom Rooms
- Telecom Pathways
- Cabling Media

❑ WIFI Infrastructure Design

❑ Distributed Antenna System Design for Cellular Service

❑ Security Systems Design

- Video Surveillance System
- Access Control System

❑ Acoustics

- Room Acoustics
- Sound Isolation
- Mechanical Noise Control

AV TECHNOLOGY

CORAL MEDIA FEATURE

A blended video image will be projected on the west side of the Media feature with an approximate image size of 480ft²- 20' wide at the bottom, 40' wide at the top and 20' tall

- ❑ Projection Surface
 - Screen must be able to mold to frame
 - Critical that the material is the highest quality possible and is manufactured specifically for rear screen presentations
 - Must have professional optical grade diffusion coating with a half gain of a minimum of 60 degrees.

- ❑ Projectors
 - Use Laser Phosphor projectors to minimize maintenance requirements
 - Currently 10,000Lumen WUXGA Laser Phosphor projectors. Expected price drop and increase in output before installation.
 - Provide best available with highest lumen output at time of install
 - Will require custom mounting and method for servicing projectors.

- ❑ Processing
 - Must be able to warp and blend multiple projectors
 - Processing could support other features such as the outdoor and exhibit signage displays as required

AV TECHNOLOGY

CORAL MEDIA FEATURE

- ❑ Demonstration and Content
 - Design Build team to coordinate content with the Owner to meet their expectations.
 - Design Build team must provide a demo setup of the equipment for Owner evaluation.

- ❑ Recommendations:
 - Due to the complexity of the screen and projector alignments we feel that sub-contracting to a company that is familiar with this type of work may be beneficial to the Design Build team.
 - The alignment of the projectors will be critical and we recommend the projector and processor manufacturers be involved in the commissioning of the system.

AV TECHNOLOGY DISPLAYS

- ❑ Interactive Displays
 - Three dual sided Kiosks and one wall mounted, each display is 65"
 - Coordinate with signage drawings
 - Provide media player as required
- ❑ Scheduling Displays
 - Size dependent on location, coordinate with signage drawings
 - Each display requires power and network
 - Determine source requirements with Owner
- ❑ Large screen Displays
 - Two 12'x12' displays at west entrances to exhibit halls
 - One dual sided 9'x6' outdoor display at west entrance
 - Each display fed from video processors as required
 - Content has not been determined and will need to be coordinated with Owner
 - Coordinate case requirements with Signage Designer

AV TECHNOLOGY

DEDICATED AV NETWORK

The AV Network will be a dedicated 10Gb network that interfaces with other networks within the building.

❑ Infrastructure

- The infrastructure and cable backbone is shown on the telecom drawings
- Provide all patching and terminations as required
- Fiber will be shared with telecom and used as required for AV
- Fiber for the Coral Media Feature will be dedicated

❑ Switching and Routing

- Complete network design and implementation will be required for the AV systems
- Must interface with other building network systems
- Must support 10 Gb
- Must support PoE
- Must support network audio system chosen
- Must support video conferencing H.264 and uncompressed video through fiber interconnects
- Must support IPTV system

❑ Recommendations

- Coordinate final design with show network designer for compatibility
- Contact recommended supplier for additional information

AV TECHNOLOGY

AUDIO SYSTEMS

The digital audio network will route and control all audio signals within the system

❑ Infrastructure

- The audio network will be supported through the dedicated AV network
- Interface plates shall be located throughout the convention center as required. There are two main types of interface plates:
 - Type 1 will have analog connections and network connections
 - Type 2 will be network only and are located as secondary connection points
 - Some of the interface plates such as the Exhibit Hall floor boxes will terminate at the patch panels to reduce network requirements

❑ Systems

- Systems are designed to interface with portable equipment provided by rental and staging companies and/or in-house AV support group
- Provide ability to monitor any input in control room
- Loudspeakers chosen for pattern control and high speech intelligibility
- All loudspeaker must be properly time aligned according to source locations
- Coordinate final speaker locations as plans evolve. EASE speaker models matching DCP set layouts available upon request
- Provide amplifier circuiting to meet room combining and speaker zoning requirements

AV TECHNOLOGY

AUDIO SYSTEMS

❑ Processing

- Design based on QSC or Biamp system with centralized network
- Processors must be redundant
- Must provide ability to control all functions from DSP in central AV Control Room
- Must have the ability to have additional control through central control system, wireless LAN, and individual room touch panels
- Must support both digital as well as analog audio signals
- Must support zone paging - coordinate locations with Owner
- Must interface with Mass Notification System but is not considered Life Safety
- Audio shall be digital from DSP to amplifiers
- DSP must monitor status of amplifiers and speaker lines
- System status must include email alerts for failures and real time status display in control room

❑ Recommendation

- Contact recommended suppliers for additional information

AV TECHNOLOGY

IPTV

An IPTV system will be incorporated to support broadcast TV as well as internally generated signals. The head-end is currently located in the AV Control Room

❑ Infrastructure

- The IPTV distribution will be through the dedicated AV Network as well as the Show network to provide Wi-Fi coverage

❑ Requirements

- Support high resolution
- Work on LAN, WAN, and wireless
- Support multiple inputs and dedicated channels
- Support analytics
- Must be controlled and configurable through central control system

❑ Recommendation

- Contact recommended supplier for additional information

AV TECHNOLOGY CONTROL SYSTEM

A central control system will be required to provide control over the different AV systems. It will allow both local and remote control over most spaces

❑ Infrastructure

- There will be basic wall mounted control panels in the meeting rooms where possible
- Portable control panels will be connected to any dedicated AV network port for room combining and setup

❑ Requirements

- Based on Crestron or AMX/Harman systems but other are acceptable if they meet the requirements
- Central processing must be redundant.
- Must provide ability to be controlled from central AV Control Room
- Must support full control over audio processing and routing
- Must support paging
- Must interface with Mass Notification System
- Must provide automatic configuration depending on where portable control panels are connected

❑ Recommendation

- Contact recommended supplier for additional information

IT/TELECOM INFRASTRUCTURE

The IT / Telecom Infrastructure includes the pathways, spaces and cabling to support the Technology Systems within the Convention Center.

❑ Telecom Spaces

- Thirty (30) new Telecom Rooms (TR rooms) to provide ubiquitous coverage of Convention Center IP devices
- One (1) new Entrance Facility (EF) / Radio room as the demarcation for both Service Providers and Cellular Carriers
- One (1) new Main Telecom Room (MTR) as the main equipment room for housing Technology System head end equipment and the backbone cabling media

❑ Telecom Pathways

- Dual, physically diverse pathways from two (2) new Communications Vaults at the northeast and southwest property lines into the EF / Radio room providing redundant pathways into the facility
- Backbone conduit pathways routed in a daisy-chain topology from the MTR room to each TR room
- Installation of Cable Trays on Levels 1 and 2 as the main horizontal distribution pathways for cabling from telecom outlets and IP field devices
- Conduits from telecom outlets and IP field devices to Cable Trays as part of the horizontal distribution pathways

IT/TELECOM INFRASTRUCTURE CABLE

❑ Backbone Telecom Cabling

- Primary backbone cables and secondary backbone cables routed in a clockwise and counter-clockwise topology from the MTR room to each TR room, providing backbone cabling redundancy within the facility for increased resiliency of IT Networks
 - Primary backbone cables include singlemode, multimode fiber optic cables and copper
 - Secondary backbone cables include singlemode fiber optic cables
- Tie backbone cables installed in a point-to-point topology between adjacent TR rooms to support linking multiple TR rooms that serve an Exhibit Hall
- All multimode fiber optic cables shall be OM4 compliant laser optimized optical fiber

❑ Horizontal Telecom Cabling

- All horizontal telecom cabling shall be plenum rated Category 6A cables
- Horizontal cabling shall be installed from the telecom outlet / IP field device to the serving TR room according to the TR Boundaries shown on the drawings to not exceed cabling distance limits.

IT/TELECOM RECOMMENDATIONS

□ Recommendations:

- The existing IT / Telecom Infrastructure is outdated and shall be replaced in its entirety
- Coordinate final location of Communications Vaults and outside plant underground raceways with existing and new utilities
- Portions of the Convention Center shall remain operational during construction. Coordinate with the Owner and Architect on providing a cutover plan that interfaces the new Infrastructure with portions of the existing Infrastructure that shall remain functional
- Owner shall furnish, install and configure the network electronics required for the IT Networks

WIRELESS LAN (WIFI) SYSTEM

- ❑ WiFi Requirements
 - The system shall be compliant with the latest IEEE 802.11ac Standard
 - The system shall provide ubiquitous coverage within the Convention Center and the Level 4 & 5 Parking Structures
 - The system shall provide capacity to support up to 10,000 people in each of the four Exhibit Halls and 5,000 people in the west lobby
 - The system shall be flexible and capable of providing separate WiFi networks for each meeting room, ballroom and multiple events within the Exhibit Halls
 - The Wireless LAN system shall be a dedicated separate network within the Convention Center

WIRELESS LAN (WIFI) SYSTEM

- ❑ WIFI System – Owner Scope of Work
 - The Owner shall furnish and install the Wireless Access Points (WAPs)
 - The Owner shall furnish and install the network electronics for the WIFI network, including the edge switches in the TR rooms, along with the core switch and WIFI Controller in the MTR room
 - The Owner shall configure the system as required to support the various events and End-Users

- ❑ WIFI System – Contractor Scope of Work
 - The scope of work includes providing the cabling infrastructure to support the WIFI system
 - Provide two (2) Category 6A horizontal telecom cables to each Wireless Access Point (WAP) and terminate cables in the serving TR room
 - The primary and secondary fiber optic backbone cables shall be used for providing network resiliency for the WIFI system
 - Contractor to perform final site survey within the renovated Convention Center to identify the final locations and quantities of WAPs

DISTRIBUTED ANTENNA SYSTEM (DAS)

□ DAS Requirements

- The system shall be designed and installed to support only cellular service within the Convention Center. The First Responder DAS system shall be provided by others.
- The system shall be a Neutral-Host DAS system and shall support the following cellular carriers: 1) AT&T Wireless, 2) Sprint / Nextel, 3) T-Mobile and 4) Verizon
- The system shall provide ubiquitous coverage within the Convention Center
- The system shall provide capacity to support up to 10,000 people in each of the four Exhibit Halls and 5,000 people in the west lobby
- The system shall require singlemode fiber optic cables installed from the EF / Radio to each TR room. Fiber strands must be fusion spliced end-to-end and terminated with APC connectors

DISTRIBUTED ANTENNA SYSTEM (DAS)

- ❑ DAS System – Contractor Scope of Work
 - The Contractor shall furnish and install a complete and operational DAS system
 - Coordinate with cellular carriers on 1) system requirements, 2) space, power & HVAC requirements within the EF / Radio room, 3) donor antenna versus base station requirements
 - Contractor to fusion splice singlemode fiber cable installed from the EF / Radio room to the MTR room with fiber strands within the primary singlemode fiber installed from the MTR room to each TR room
 - Contractor to perform final site survey within the renovated Convention Center to identify the final locations and quantities of the DAS antennas

- ❑ Value Engineering
 - The Owner may engage the cellular carriers for providing the DAS system

VIDEO SURVEILLANCE SYSTEM (VSS)

□ Video Surveillance System Requirements

- The existing VSS system is a Pelco system with approximately 250 existing cameras
- As part of the renovation of the Convention Center, the existing VSS system shall be expanded to over 500 cameras. The expanded system shall include:
 - Relocating the existing Pelco Endura SM5200 series Video Management System headend to the new MTR room and expanding the headend to support 30 days of video storage
 - Re-using roughly 200 existing cameras in the new system
- The expanded system shall be an end-to-end Pelco, IP based networked video solution
- The expanded system shall require a dedicated separate security network
- The expanded system shall utilize portions of the new IT / Telecom Infrastructure

VIDEO SURVEILLANCE SYSTEM (VSS)

- VSS System – Contractor Scope of Work
 - The Contractor shall furnish and install a complete and operational VSS system
 - Coordinate with the Owner and Architect on a cutover plan for relocating the existing headend and keeping portions of the existing system operations during construction
 - Coordinate with the Owner and existing security contractor on obtaining an inventory of the existing cameras and where these will be re-deployed in the expanded system
 - The Contractor shall furnish and install the dedicated security network and coordinate with the Cabling Contractor on utilizing portions of the new IT Infrastructure

- Value Engineering
 - As part of value engineering, non-public cameras may be removed from the expanded system

ACCESS CONTROL SYSTEM (ACS)

- ❑ Access Control System Requirements
 - The ACS system shall be a new, IP-based enterprise wide solution
 - The system shall have an open architecture and shall fully integrate with the Pelco VSS system
 - The system shall be provided with Badging Workstations for producing employee credentials and temporary visitor badges
 - The system shall require a dedicated separate security network within the Convention Center for both the ACS and VSS systems
 - The system shall utilize portions of the new IT / Telecom Infrastructure
 - The ACS system shall also support silent duress alarms
- ❑ ACS System – Contractor Scope of Work
 - The Contractor shall furnish and install a complete and operational ACS system
 - Coordinate with the Architect's door hardware specifier to identify the security devices and door hardware required at each ACS door and include these details in ACS Door Schedule within the drawings
 - Coordinate with the Architect's door hardware specifier to identify the door rough-in details at each ACS door and includes these details within the drawings
 - The Contractor shall furnish and install the dedicated security network and coordinate with the Cabling Contractor on utilizing portions of the new IT Infrastructure

ACOUSTICS

- ❑ Scope
 - Room Acoustics
 - Sound Isolation
 - Mechanical Noise and Vibration Control

- ❑ Design Criteria
 - Criteria is based on LEED requirements and industry standards for convention centers. The narrative includes more detail on the acoustical criteria and recommendations.

ROOM ACOUSTICS

- ❑ Exhibit Halls and Prefunction
 - T60 should not exceed 2.5 seconds.
 - Exhibit Hall should include 4'x10' acoustical baffles suspended within the structure.
 - Prefunction spaces should have sound absorbing ceilings with a minimum 0.7 NRC.

- ❑ Ballrooms and Meeting Rooms
 - T60 should not exceed 1.0 second in Ballrooms, 0.8 seconds in Meeting Rooms.
 - Majority of Ballroom and Meeting Room ceilings should be acoustical ceiling tile with a minimum NRC of 0.70.
 - Acoustical treatment should be applied to approximately 10% of the wall area in all Meeting Rooms and Ballrooms.

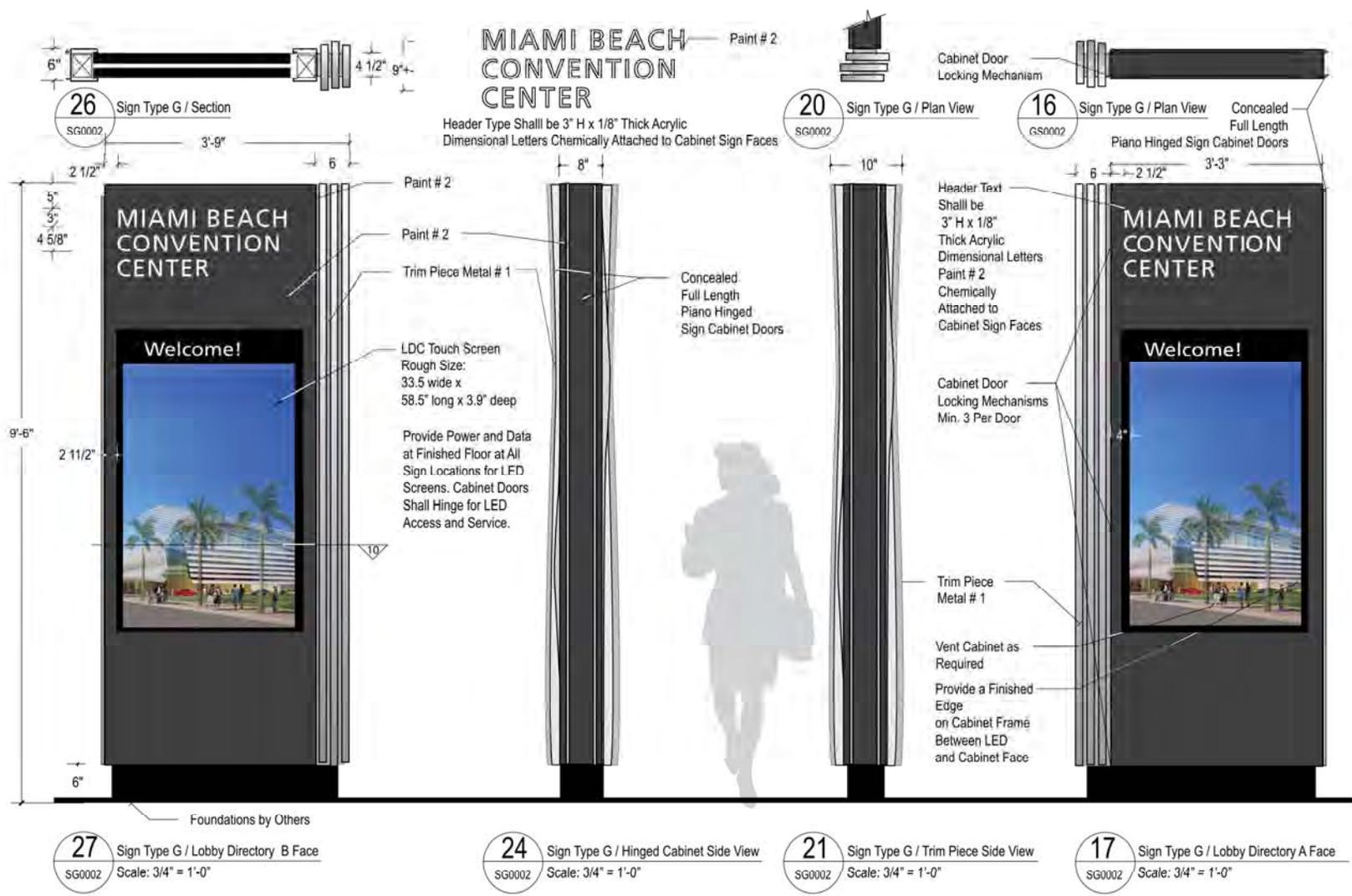
SOUND ISOLATION

- ❑ Exhibit Hall, Ballroom, and Meeting Room operable partitions should be STC 50 or higher.
 - A bulkhead should be provided above each operable partition that extends from the partition to the structure above in order to prevent flanking.
 - The STC of the bulkhead should meet the STC of the partition
- ❑ Doors to Exhibit Halls, Ballrooms, and Meeting Rooms should be either solid core wood doors or insulated metal doors with sound seals.
- ❑ Double Layer, heavy steel insulated loading doors are recommended between the Exhibit Halls and loading docks.
- ❑ Walls surrounding private offices and conference rooms should extend all the way up to structure.
- ❑ Rubber-backed, noise reducing flooring to be provided in some service corridors near meeting rooms to reduce noise generated by carts and other traffic in the corridors.

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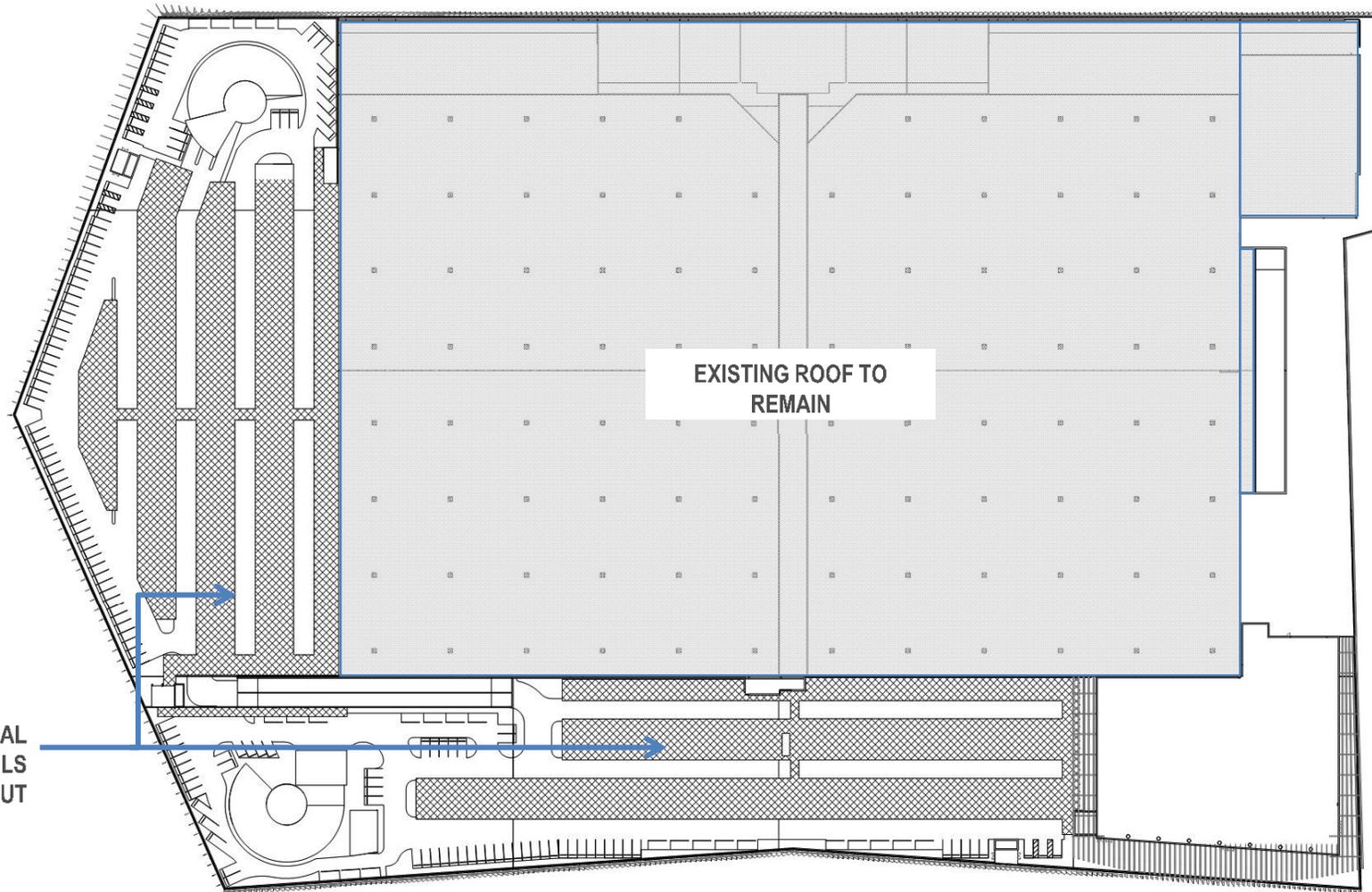
IDENTIFYING DEVICES



SUSTAINABILITY INITIATIVES

- Solar – working with FPL on solution
- Rain Harvesting – Storing and utilizing for cooling towers
- Incorporating Reduced Flow Water Fixtures.
- Installing Sun Shading the Exterior Perimeter of the Building
- Utilizing Recycled Materials throughout
- Majority of the Construction Waste is Recycled
- Daylighting the Exhibit Hall (500,000 sf) up to 60% of the time
- Daylighting the Public Spaces.
- High Efficiency Lighting (LED) throughout.
- Light Sensors throughout (turn lights out when not in use)
- Removing 6.2 acres of Asphalt Heat Island – Replacing with Landscape.
- Saving 215 existing trees (relocating 170).
- Restoring Habitat with Native Vegetation & Mangroves along Collins Canal.
- Reduced Energy Consumption by 20%

SOLAR



POTENTIAL
PV SOLAR PANELS
LAYOUT

EXISTING ROOF TO
REMAIN

LEED 2009

| 21 | | 5 | | Sustainable Sites | | Possible Points: 26 | |
|----|---|---|------------|---|--|---------------------|--|
| Y | 7 | N | | | | | |
| Y | | | Prereq 1 | Construction Activity Pollution Prevention | | | |
| 1 | | | Credit 1 | Site Selection | | 1 | |
| 5 | | | Credit 2 | Development Density and Community Connectivity | | 5 | |
| | | 1 | Credit 3 | Brownfield Redevelopment | | 1 | |
| 6 | | | Credit 4.1 | Alternative Transportation—Public Transportation Access | | 6 | |
| 1 | | | Credit 4.2 | Alternative Transportation—Bicycle Storage and Changing Rooms | | 1 | |
| 3 | | | Credit 4.3 | Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles | | 3 | |
| 2 | | | Credit 4.4 | Alternative Transportation—Parking Capacity | | 2 | |
| | | 1 | Credit 5.1 | Site Development—Protect or Restore Habitat | | 1 | |
| | | | Credit 5.2 | Site Development—Maximize Open Space | | 1 | |
| | | 1 | Credit 6.1 | Stormwater Design—Quantity Control | | 1 | |
| | | 1 | Credit 6.2 | Stormwater Design—Quality Control | | 1 | |
| | | 1 | Credit 7.1 | Heat Island Effect—Non-roof | | 1 | |
| | | 1 | Credit 7.2 | Heat Island Effect—Roof | | 1 | |
| | | 1 | Credit 8 | Light Pollution Reduction | | 1 | |

| 4 | | 4 | | 2 | | Water Efficiency | | Possible Points: 10 | |
|---|---|---|----------|------------------------------------|--|------------------|--|---------------------|--|
| Y | | | | | | | | | |
| Y | | | Prereq 1 | Water Use Reduction—20% Reduction | | | | | |
| 2 | 2 | | Credit 1 | Water Efficient Landscaping | | 2 to 4 | | | |
| | 2 | | Credit 2 | Innovative Wastewater Technologies | | 2 | | | |
| 2 | 2 | | Credit 3 | Water Use Reduction | | 2 to 4 | | | |

| 8 | | 6 | | 21 | | Energy and Atmosphere | | Possible Points: 35 | |
|---|----|---|----------|--|--|-----------------------|--|---------------------|--|
| Y | | | | | | | | | |
| Y | | | Prereq 1 | Fundamental Commissioning of Building Energy Systems | | | | | |
| Y | | | Prereq 2 | Minimum Energy Performance | | | | | |
| Y | | | Prereq 3 | Fundamental Refrigerant Management | | | | | |
| 3 | 16 | | Credit 1 | Optimize Energy Performance | | 1 to 19 | | | |
| | 2 | 5 | Credit 2 | On-Site Renewable Energy | | 1 to 7 | | | |
| | 2 | | Credit 3 | Enhanced Commissioning | | 2 | | | |
| 2 | | | Credit 4 | Enhanced Refrigerant Management | | 2 | | | |
| 3 | | | Credit 5 | Measurement and Verification | | 3 | | | |
| | 2 | | Credit 6 | Green Power | | 2 | | | |

| 3 | | 4 | | 7 | | Materials and Resources | | Possible Points: 14 | |
|---|---|---|------------|---|--|-------------------------|--|---------------------|--|
| Y | | | | | | | | | |
| Y | | | Prereq 1 | Storage and Collection of Recyclables | | | | | |
| 1 | 2 | | Credit 1.1 | Building Reuse—Maintain Existing Walls, Floors, and Roof | | 1 to 3 | | | |
| | 1 | | Credit 1.2 | Building Reuse—Maintain 50% of Interior Non-Structural Elements | | 1 | | | |
| 1 | 1 | | Credit 2 | Construction Waste Management | | 1 to 2 | | | |
| | 2 | | Credit 3 | Materials Reuse | | 1 to 2 | | | |

| 21 | | 5 | | Sustainable Sites | | Possible Points: 26 | |
|----|---|---|------------|---|--|---------------------|--|
| Y | 7 | N | | | | | |
| Y | | | Prereq 1 | Construction Activity Pollution Prevention | | | |
| 1 | | | Credit 1 | Site Selection | | 1 | |
| 5 | | | Credit 2 | Development Density and Community Connectivity | | 5 | |
| | | 1 | Credit 3 | Brownfield Redevelopment | | 1 | |
| 6 | | | Credit 4.1 | Alternative Transportation—Public Transportation Access | | 6 | |
| 1 | | | Credit 4.2 | Alternative Transportation—Bicycle Storage and Changing Rooms | | 1 | |
| 3 | | | Credit 4.3 | Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles | | 3 | |
| 2 | | | Credit 4.4 | Alternative Transportation—Parking Capacity | | 2 | |
| | | 1 | Credit 5.1 | Site Development—Protect or Restore Habitat | | 1 | |
| | | 1 | Credit 5.2 | Site Development—Maximize Open Space | | 1 | |
| | | 1 | Credit 6.1 | Stormwater Design—Quantity Control | | 1 | |
| | | 1 | Credit 6.2 | Stormwater Design—Quality Control | | 1 | |
| | | 1 | Credit 7.1 | Heat Island Effect—Non-roof | | 1 | |
| | | 1 | Credit 7.2 | Heat Island Effect—Roof | | 1 | |
| | | 1 | Credit 8 | Light Pollution Reduction | | 1 | |

| 4 | | 4 | | 2 | | Water Efficiency | | Possible Points: 10 | |
|---|---|---|----------|------------------------------------|--|------------------|--|---------------------|--|
| Y | | | | | | | | | |
| Y | | | Prereq 1 | Water Use Reduction—20% Reduction | | | | | |
| 2 | 2 | | Credit 1 | Water Efficient Landscaping | | 2 to 4 | | | |
| | 2 | | Credit 2 | Innovative Wastewater Technologies | | 2 | | | |
| 2 | 2 | | Credit 3 | Water Use Reduction | | 2 to 4 | | | |

| 8 | | 6 | | 21 | | Energy and Atmosphere | | Possible Points: 35 | |
|---|----|---|----------|--|--|-----------------------|--|---------------------|--|
| Y | | | | | | | | | |
| Y | | | Prereq 1 | Fundamental Commissioning of Building Energy Systems | | | | | |
| Y | | | Prereq 2 | Minimum Energy Performance | | | | | |
| Y | | | Prereq 3 | Fundamental Refrigerant Management | | | | | |
| 3 | 16 | | Credit 1 | Optimize Energy Performance | | 1 to 19 | | | |
| | 2 | 5 | Credit 2 | On-Site Renewable Energy | | 1 to 7 | | | |
| | 2 | | Credit 3 | Enhanced Commissioning | | 2 | | | |
| 2 | | | Credit 4 | Enhanced Refrigerant Management | | 2 | | | |
| 3 | | | Credit 5 | Measurement and Verification | | 3 | | | |
| | 2 | | Credit 6 | Green Power | | 2 | | | |

| 3 | | 4 | | 7 | | Materials and Resources | | Possible Points: 14 | |
|---|---|---|------------|---|--|-------------------------|--|---------------------|--|
| Y | | | | | | | | | |
| Y | | | Prereq 1 | Storage and Collection of Recyclables | | | | | |
| 1 | 2 | | Credit 1.1 | Building Reuse—Maintain Existing Walls, Floors, and Roof | | 1 to 3 | | | |
| | 1 | | Credit 1.2 | Building Reuse—Maintain 50% of Interior Non-Structural Elements | | 1 | | | |
| 1 | 1 | | Credit 2 | Construction Waste Management | | 1 to 2 | | | |
| | 2 | | Credit 3 | Materials Reuse | | 1 to 2 | | | |

| Materials and Resources, Continued | | Possible Points: 15 | | | |
|------------------------------------|---|---------------------|----------|-----------------------------|--------|
| Y | 7 | N | | | |
| 1 | 1 | | Credit 4 | Recycled Content | 1 to 2 |
| | 2 | | Credit 5 | Regional Materials | 1 to 2 |
| | 1 | | Credit 6 | Rapidly Renewable Materials | 1 |
| 1 | | | Credit 7 | Certified Wood | 1 |

| Indoor Environmental Quality | | Possible Points: 15 | | | |
|------------------------------|---|---------------------|------------|--|---|
| Y | 7 | N | | | |
| Y | | | Prereq 1 | Minimum Indoor Air Quality Performance | |
| Y | | | Prereq 2 | Environmental Tobacco Smoke (ETS) Control | |
| 1 | | | Credit 1 | Outdoor Air Delivery Monitoring | 1 |
| | 1 | | Credit 2 | Increased Ventilation | 1 |
| 1 | | | Credit 3.1 | Construction IAQ Management Plan—During Construction | 1 |
| 1 | | | Credit 3.2 | Construction IAQ Management Plan—Before Occupancy | 1 |
| 1 | | | Credit 4.1 | Low-Emitting Materials—Adhesives and Sealants | 1 |
| 1 | | | Credit 4.2 | Low-Emitting Materials—Paints and Coatings | 1 |
| 1 | | | Credit 4.3 | Low-Emitting Materials—Flooring Systems | 1 |
| 1 | | | Credit 4.4 | Low-Emitting Materials—Composite Wood and Agrifiber Products | 1 |
| 1 | | | Credit 5 | Indoor Chemical and Pollutant Source Control | 1 |
| 1 | | | Credit 6.1 | Controllability of Systems—Lighting | 1 |
| 1 | | | Credit 6.2 | Controllability of Systems—Thermal Comfort | 1 |
| 1 | | | Credit 7.1 | Thermal Comfort—Design | 1 |
| 1 | | | Credit 7.2 | Thermal Comfort—Verification | 1 |
| | 1 | | Credit 8.1 | Daylight and Views—Daylight | 1 |
| | 1 | | Credit 8.2 | Daylight and Views—Views | 1 |

| Innovation and Design Process | | Possible Points: 6 | | | |
|-------------------------------|---|--------------------|------------|---|---|
| Y | 7 | N | | | |
| 1 | | | Credit 1.1 | Innovation in Design: Green Cleaning | 1 |
| 1 | | | Credit 1.2 | Innovation in Design: Green Education | 1 |
| | 1 | | Credit 1.3 | Innovation in Design: Low Mercury Lamp | 1 |
| 1 | | | Credit 1.4 | Innovation in Design: Cooling Tower Water Reuse | 1 |
| 1 | | | Credit 1.5 | Innovation in Design: Acoustic Performance | 1 |
| | 1 | | Credit 2 | LEED Accredited Professional | 1 |

| Regional Priority Credits | | Possible Points: 4 | | | |
|---------------------------|---|--------------------|------------|--|---|
| Y | 7 | N | | | |
| 1 | | | Credit 1.1 | Regional Priority: Bicycle Facilities | 1 |
| 1 | | | Credit 1.2 | Regional Priority: Outdoor Water Use Reduction | 1 |
| 1 | | | Credit 1.3 | Regional Priority: Renewable Energy | 1 |
| 1 | | | Credit 1.4 | Regional Priority: Specific Credit | 1 |

| Total | | Possible Points: 110 | |
|-------|----|----------------------|--|
| Y | 7 | N | |
| 55 | 18 | 37 | |

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110

Silver Required - Gold Preferred

ADD ALTERNATES

SPEC 01 2300

- No. 001 Park Pavilion Building
- No. 002 Enhanced Exhibit Hall Catwalks
- No. 003 Distributed Antenna System
- No. 004 Food Service Equipment
- No. 005 Enhanced Central Media Feature
- No. 006 Enhanced Building East & West Fin Facade
- No. 007 Enhanced Building North Fin Facade
- No. 008 Enhanced Building South Fin Facade
- No. 009 Enhanced Building South Facade
- No. 010 Exhibit Hall Bridge
- No. 011 Enhance Chilled Water Plant
- No. 012 Enhanced Security Camera Coverage
- No. 013 Additional Electrical Enhancements

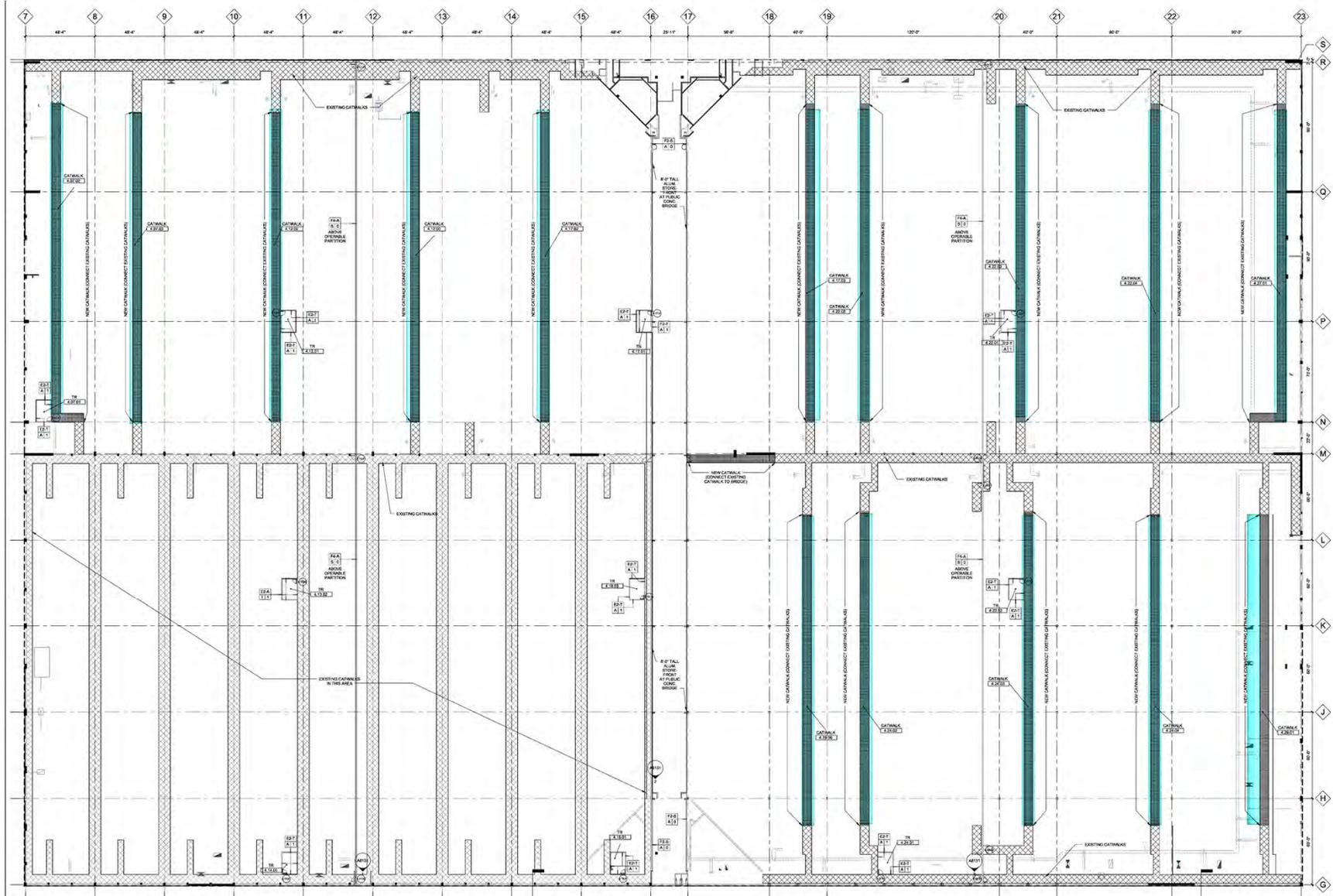
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- No. 008 Enhanced Building South Fin Facade
- No. 009 Enhanced Building South Facade
- No. 010 Exhibit Hall Bridge
- No. 011 Enhance Chilled Water Plant
- No. 012 Enhanced Security Camera Coverage
- No. 013 Additional Electrical Enhancements

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- No. 009 Enhanced Building South Facade
- No. 010 Exhibit Hall Bridge
- No. 011 Enhance Chilled Water Plant
- No. 012 Enhanced Security Camera Coverage
- No. 013 Additional Electrical Enhancements

ENHANCED CATWALKS



ADD ALTERNATES

- No. 001 Park Pavilion Building
- No. 002 Enhanced Exhibit Hall Catwalks
- No. 003 Distributed Antenna System
- No. 004 Food Service Equipment
- No. 005 Enhanced Central Media Feature
- No. 006 Enhanced Building East & West Fin Facade
- No. 007 Enhanced Building North Fin Facade
- No. 008 Enhanced Building South Fin Facade
- No. 009 Enhanced Building South Facade
- No. 010 Exhibit Hall Bridge
- No. 011 Enhance Chilled Water Plant
- No. 012 Enhanced Security Camera Coverage
- No. 013 Additional Electrical Enhancements

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- No. 009 Enhanced Building South Facade
- No. 010 Exhibit Hall Bridge
- No. 011 Enhance Chilled Water Plant
- No. 012 Enhanced Security Camera Coverage
- No. 013 Additional Electrical Enhancements

ADD ALTERNATES

- No. 001 Park Pavilion Building
- No. 002 Enhanced Exhibit Hall Catwalks
- No. 003 Distributed Antenna System
- No. 004 Food Service Equipment
- No. 005 Enhanced Central Media Feature
- No. 006 Enhanced Building East & West Fin Facade
- No. 007 Enhanced Building North Fin Facade
- No. 008 Enhanced Building South Fin Facade
- No. 009 Enhanced Building South Facade
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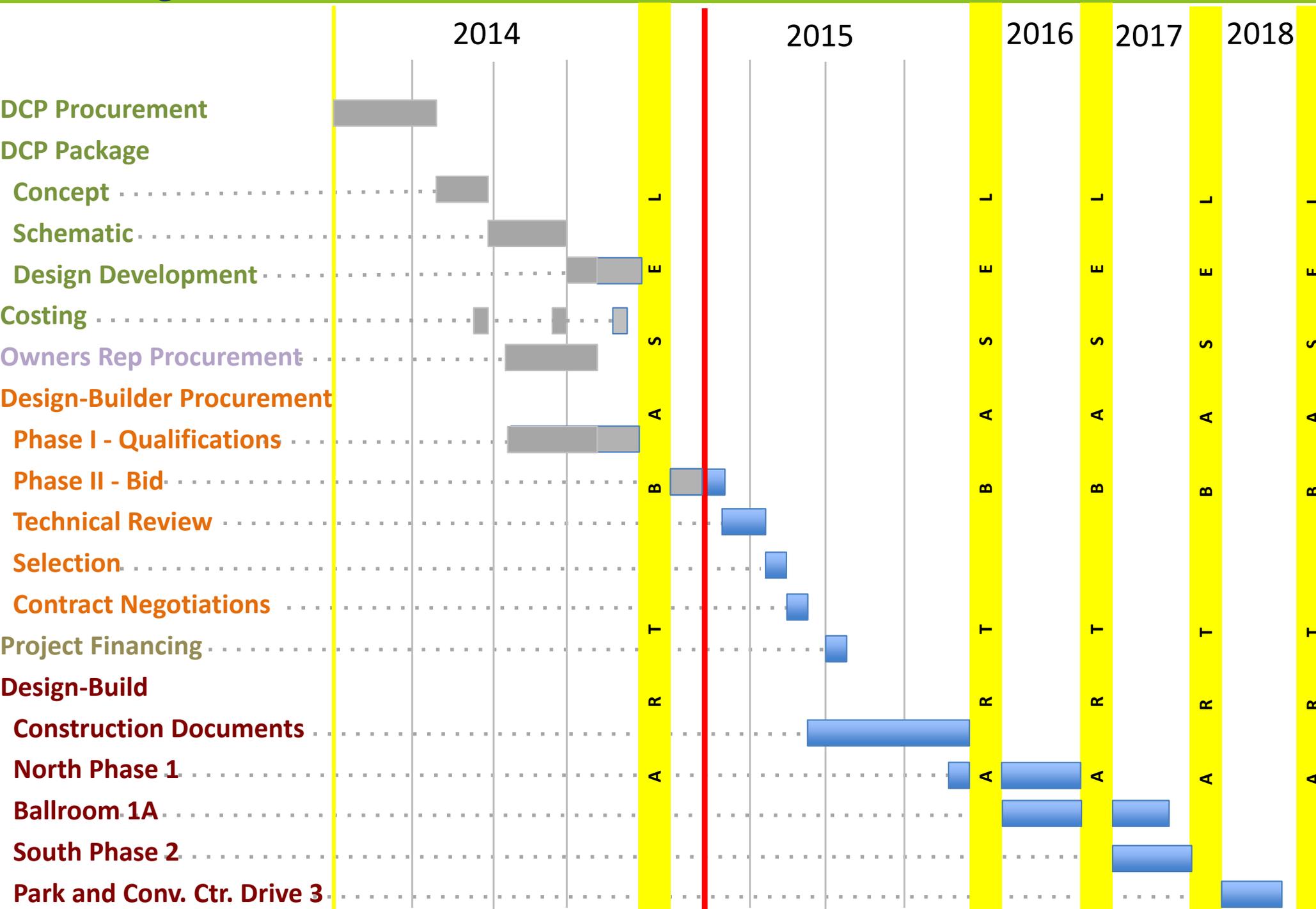
ADD ALTERNATES

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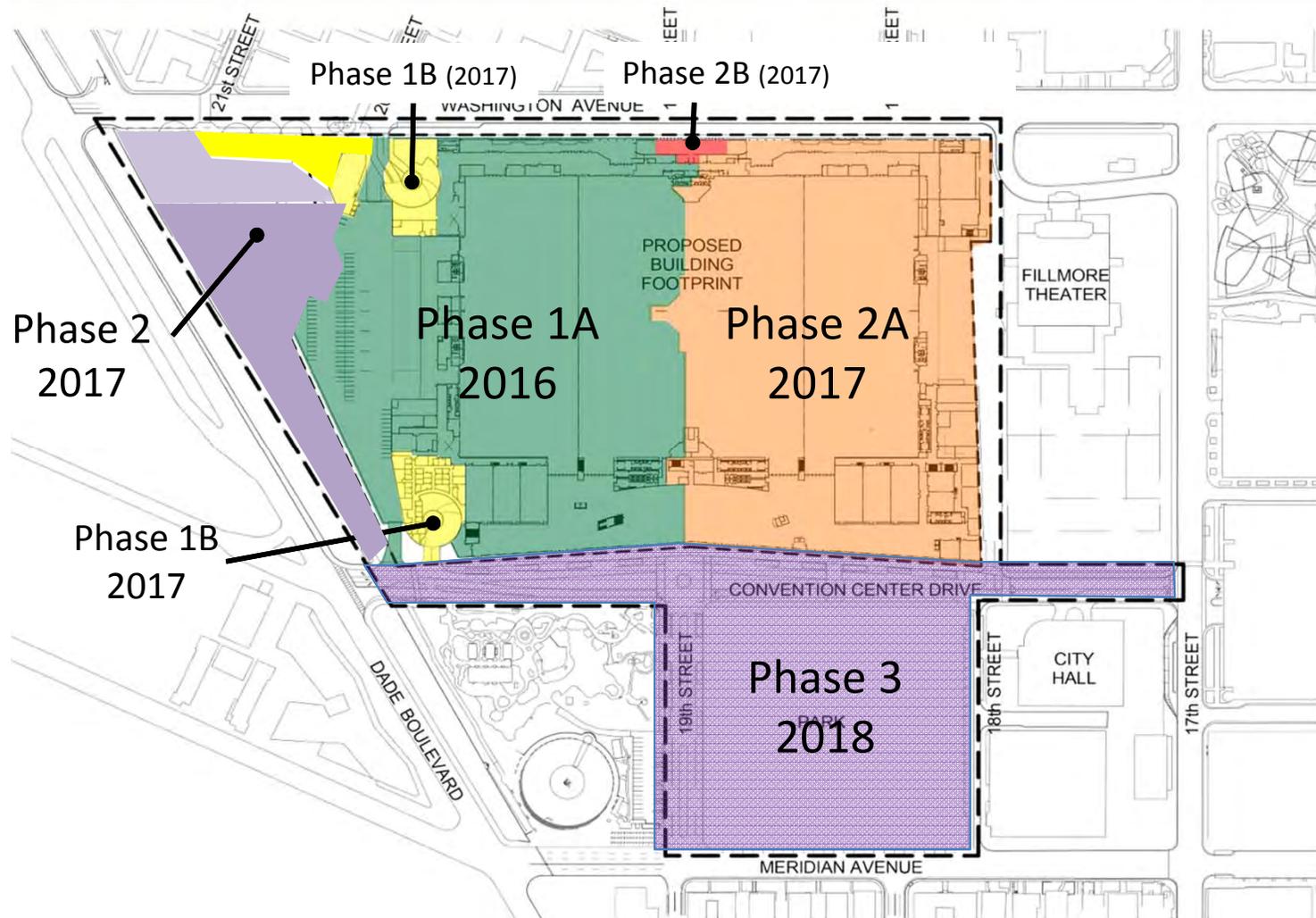
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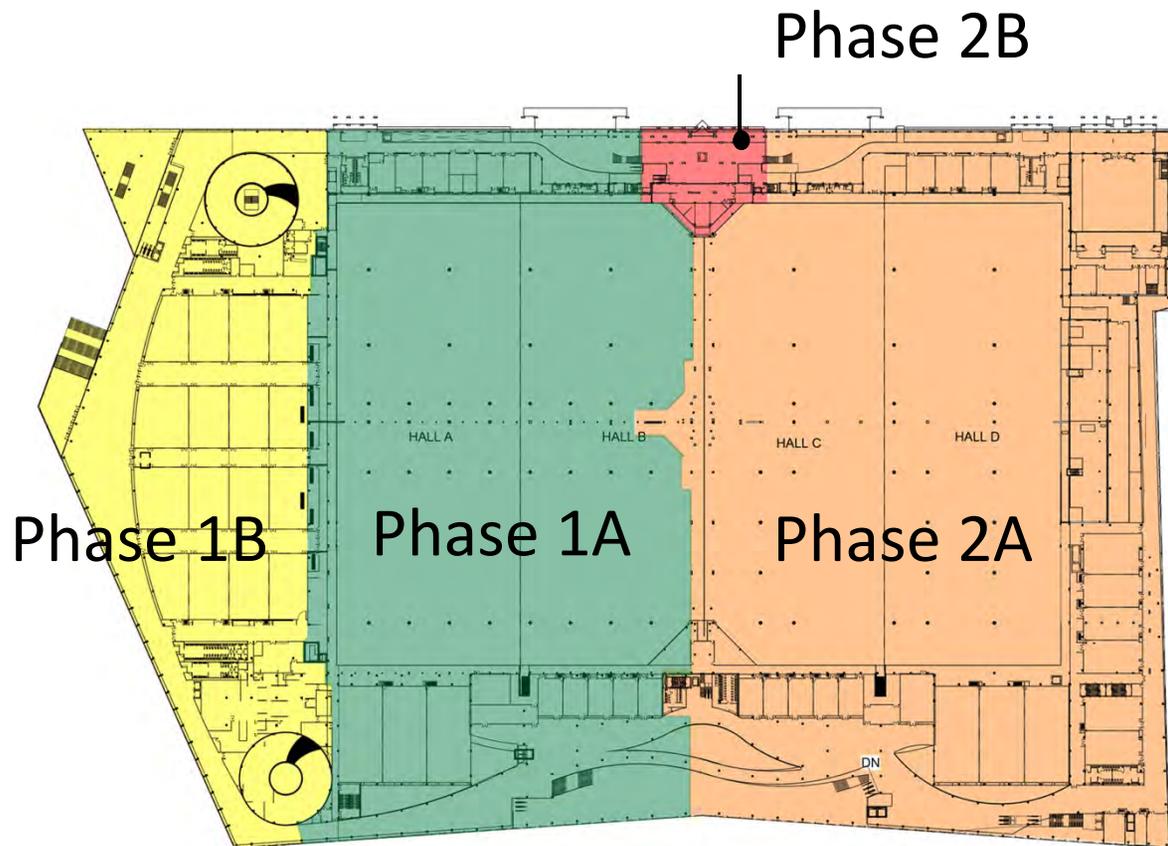
PROJECT SCHEDULE



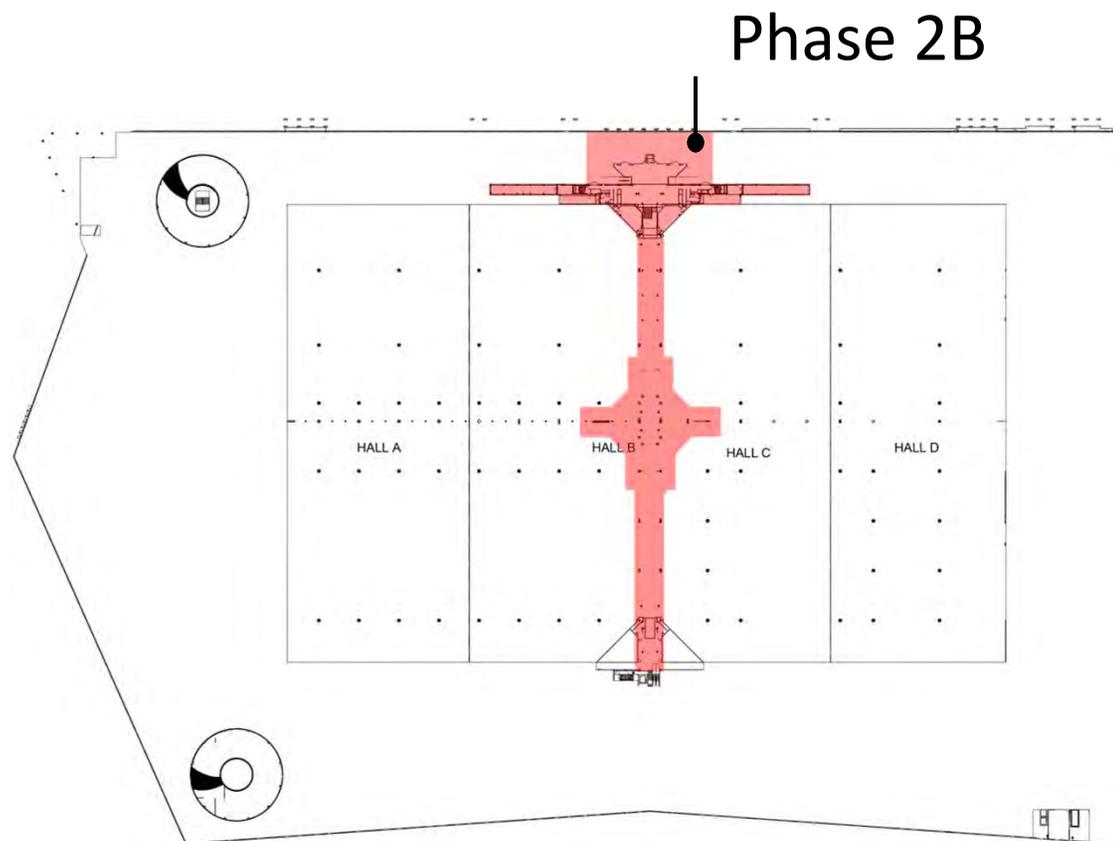
PHASING – 1ST FLOOR



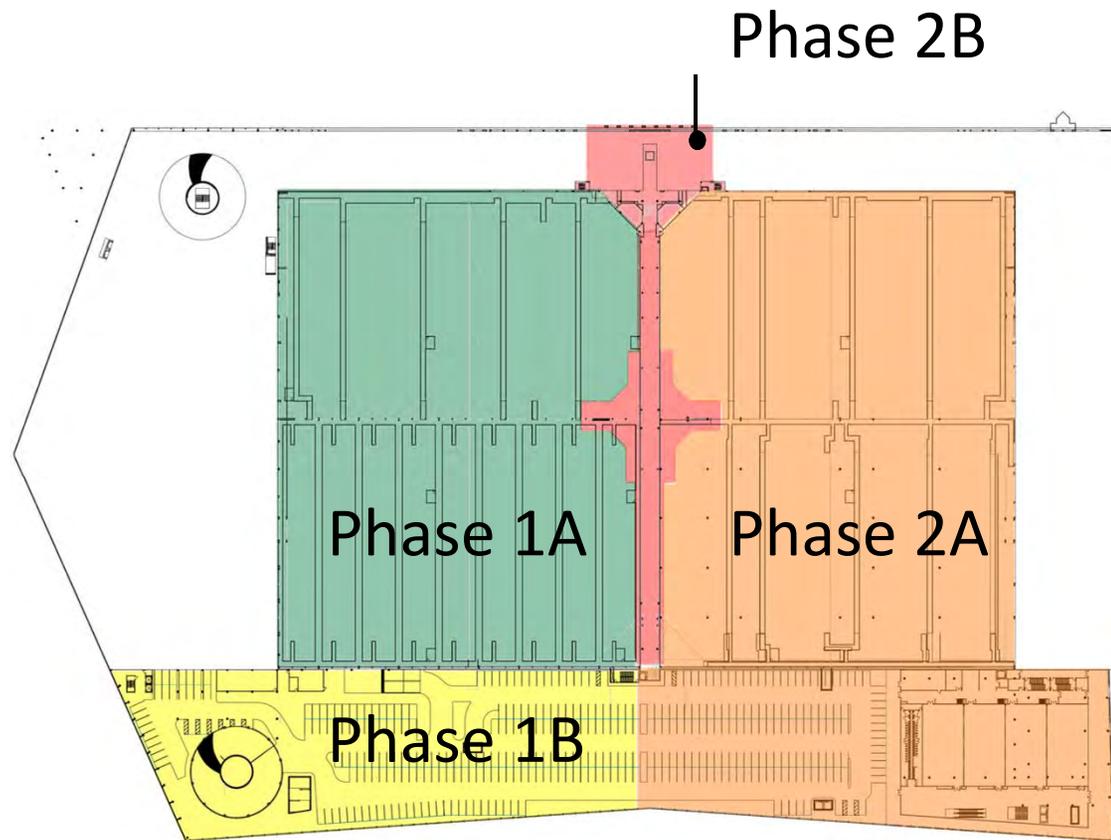
PHASING LEVEL 2



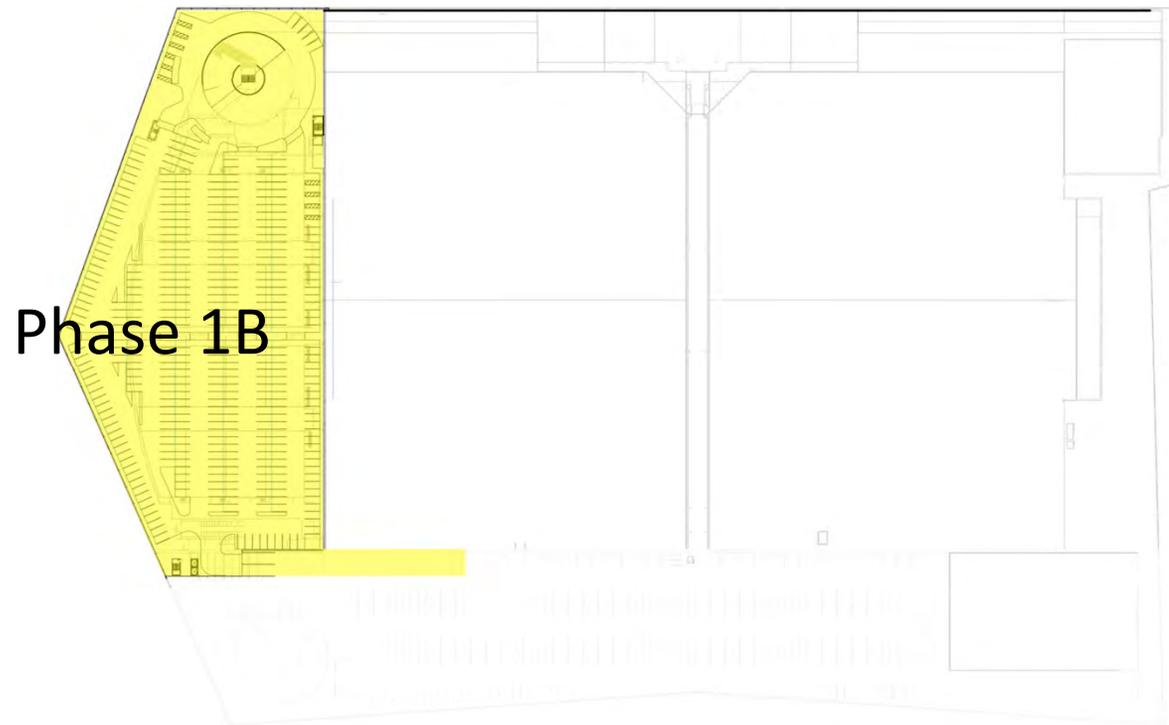
PHASING LEVEL 3



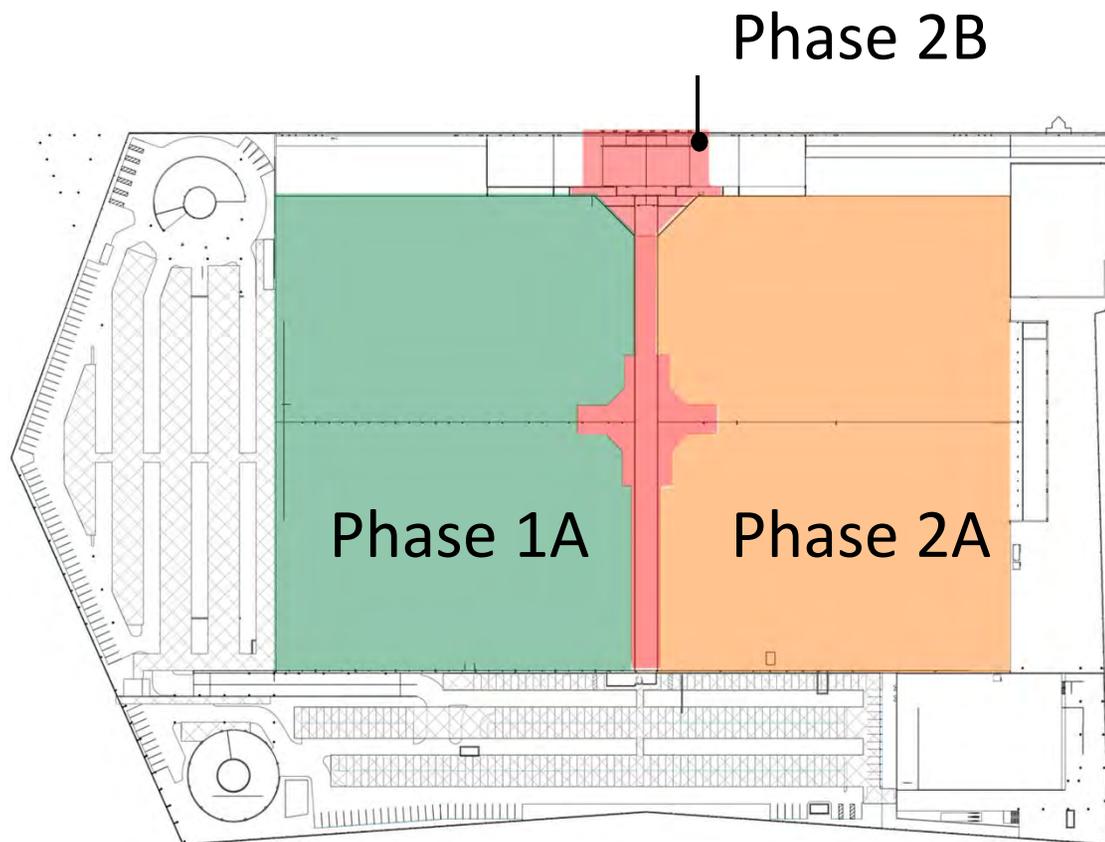
PHASING LEVEL 4



PHASING LEVEL 5



PHASING ROOF



PARKING BREAKOUT VALUE

- All construction above the structural slab supporting the parking deck including:
- Structural premium for increased live and dead loading
- Car ramps
- Parking revenue system
- All softs costs and fees related to the above.
- Parking costs shall not include the Level 4 Meeting Area

RESPONSE FORMAT

- Tab 1 Organization Plan/Personnel
- Tab 2 Key Construction Subcontractor Experience & Qualifications
- Tab 3 Approach and Methodology Plan
- Tab 4 Project Schedule
- Tab 5 Construction Logistics Plan
- Tab 6 **Guaranteed Maximum Price**
- Tab 7 Voluntary Alternates
- Tab 8 **Add Alternates**
- Tab 9 Contract

Combine in one separately sealed envelope using Bid Form



WEIGHTED CRITERIA

- 25 points: Lowest Base Bid Price plus all Add Alternates
- 5 points: Recommended Voluntary Alternate Proposals
- 15 points: Project Schedule
- 15 points: Organization Plan / Personnel
- 15 points: Approach & Methodology Plan
- 10 points: Construction Logistics Plan
- 10 points: Key Construction Subcontractor Experience
- 5 points: Commitment to Achieve LEED Gold Certification with no ongoing cost to the City

BASE BID + ADD ALTS SCORING

Separate Seal Envelope Using Bid Form

| | | | |
|---|----|------------------------|-----------|
| Lowest Aggregate Base Bid Plus Add Alternates ("Low Bid") | to | Low Bid + \$5,000,000 | 25 points |
| Low Bid + \$5,000,001 | to | Low Bid + \$10,000,000 | 20 points |
| Low Bid + \$10,000,001 | to | Low Bid + \$15,000,000 | 15 points |
| Low Bid + \$15,000,001 | to | Low Bid + \$20,000,000 | 10 points |
| Low Bid + \$20,000,001 | to | Low Bid + \$25,000,000 | 15 points |
| Low Bid + \$25,000,001+ | | | 0 points |

KEY DATES

- Jan 30 – Deadline for Questions
- Feb 27 – Proposals Due
- Feb 28 – Mar 27 – Technical Review
 - Mar 19 – Technical Interview
- Apr 2 – Selection Committee Interviews
(Tentative)
- Apr 15 – City Commission Approval
- May 18 – Contract Approval

2017

Thank you

