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DEVON J. MATHIS
SHARON QUIRK-SILVA
JAMES C. RAMOS
ANTHONY RENDON
ROBERT RIVAS
MARJE WALDRON
BUFFY WICKS

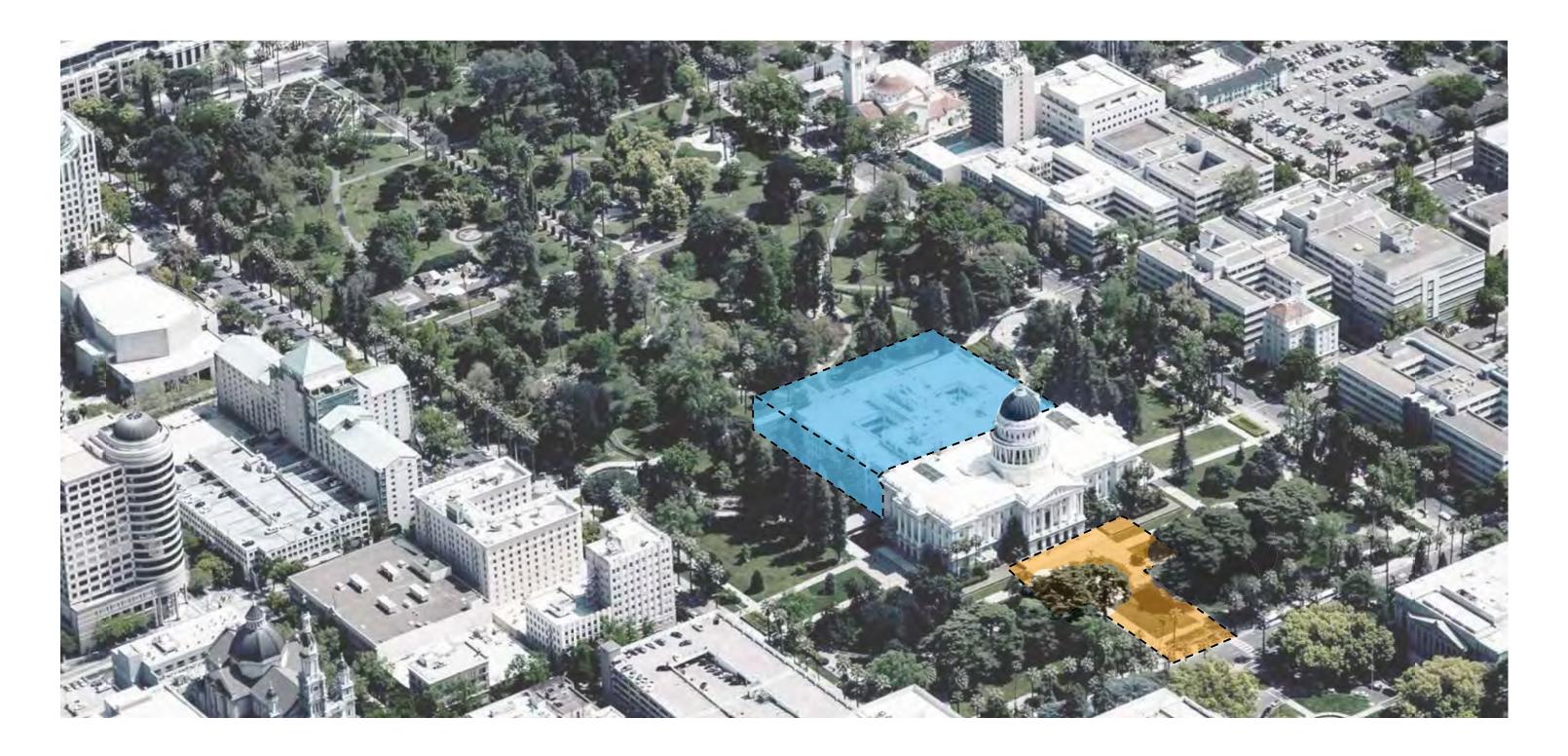
CHIEF ADMINISTRATIVE OFFICER
DEBRA GRAVERT

#### **AGENDA**

September 9, 2020 1:00 p.m. State Capitol, Assembly Chamber

Informational Hearing
Subject: State Capitol Annex Project

- 1. Welcome and Opening Remarks Assemblymember Ken Cooley, Chair Senator William W. Monning, Vice Chair
- 2. Introduction of Management, Design, and Construction Teams
- 3. Presentation of Annex Project
  - **➢** MOCA
  - ➤ SOM |Skidmore, Owings & Merrill
  - > Turner Construction
  - ➤ Mark Cavagnero Associates
  - ➤ Plant Construction
- 4. Questions from the Committee
- 5. Public Comment
- 6. Additional Questions and Closing Remarks



#### STATE OF CALIFORNIA NEW CAPITOL ANNEX BUILDING & VISITOR CENTER

JOINT RULES COMMITTEE OF THE LEGISLATURE OF THE STATE OF CALIFORNIA

JRC PRESENTATION SEPTEMBER 9TH, 2020



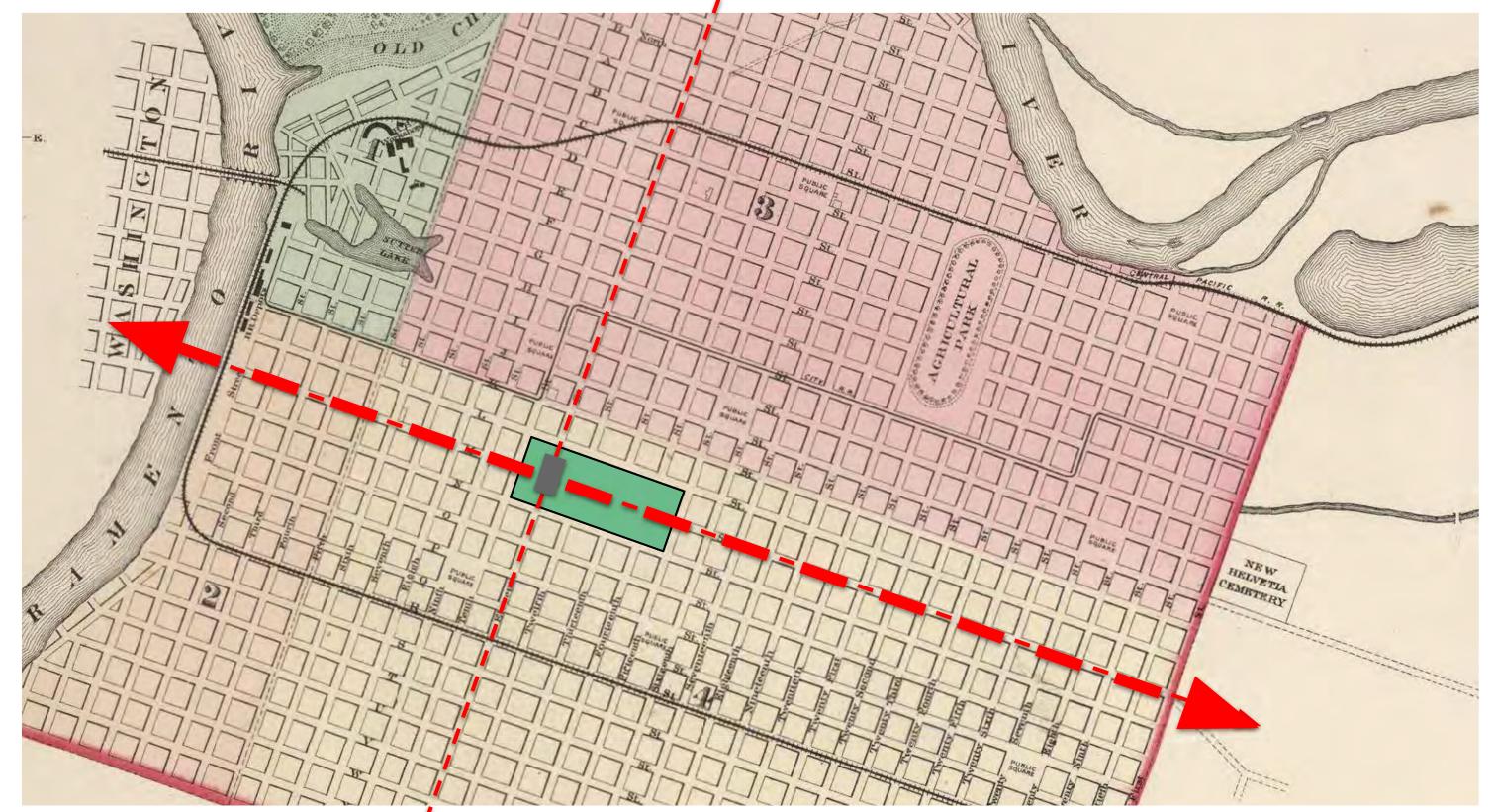


#### **AGENDA**

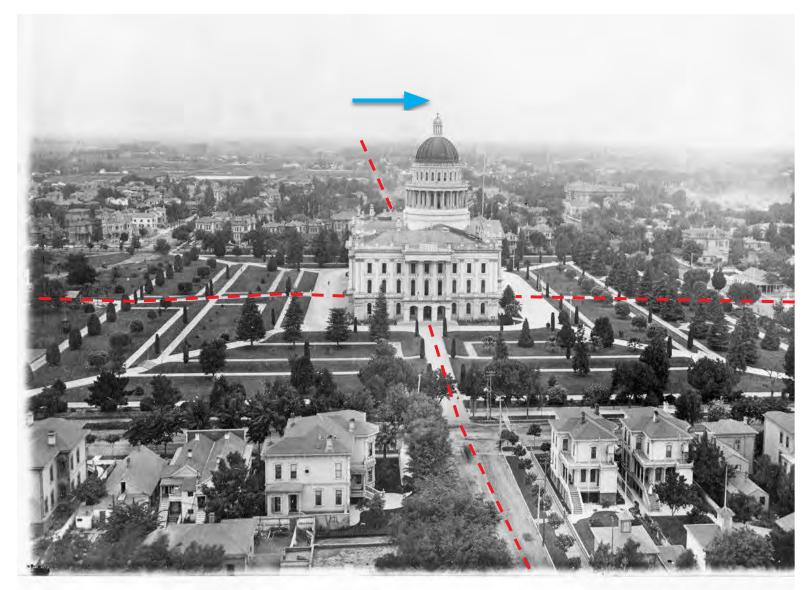
- 1. PROJECT SIGNIFICANCE & HISTORY
- 2. PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.) PRINCIPLES
- 3. SITE CONSIDERATIONS & OPPORTUNITIES
- 4. NEW VISITOR CENTER
  - IMPACTS ON THE NEW CAPITOL ANNEX
- 5. NEW CAPITOL ANNEX CONCEPTS
  - CONCEPTS OVERVIEW: SIMILARITIES & DIFFERENCES
- 6. BUDGET & SCHEDULE MANAGEMENT STRATEGY



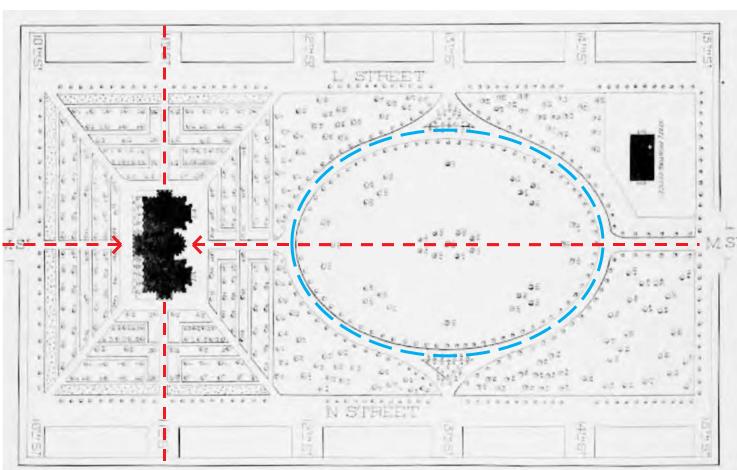
**HISTORICAL CONTEXT: SACRAMENTO MAP 1874** 



HISTORICAL CONTEXT: 1870 - 1890



1890 NORTH VIEW
Elevated From the Public Realm



ORIGINAL PLAN
Park Setting



## PROJECT SIGNIFICANCE & HISTORY HISTORICAL CONTEXT: 1890 - 1952



1900 Carriage Access



1946 *Automobile Access* 



1952
Expanded Plazas & Fire-truck Access



**HISTORICAL CONTEXT:** 1915 - 1924



1915 WEST VIEW FROM 10<sup>TH</sup> STREET Clear Park Threshold



1924 NORTH EAST VIEW Strong Context of Mature Plantings

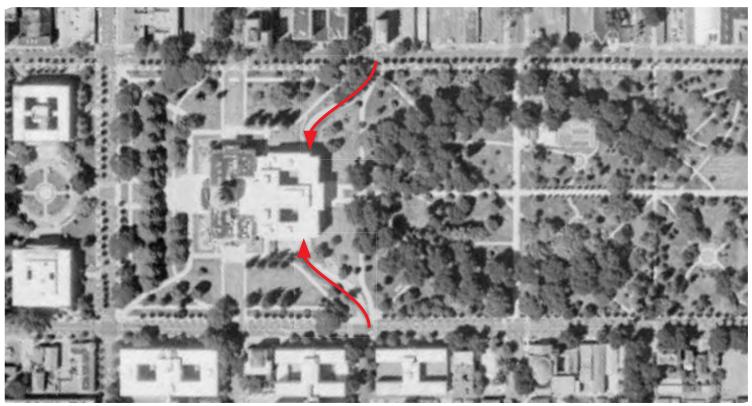


HISTORICAL CONTEXT: 1949 - 1952



1952 CAPITOL ANNEX BUILDING

Demolished Apse and Impacted Dome Views



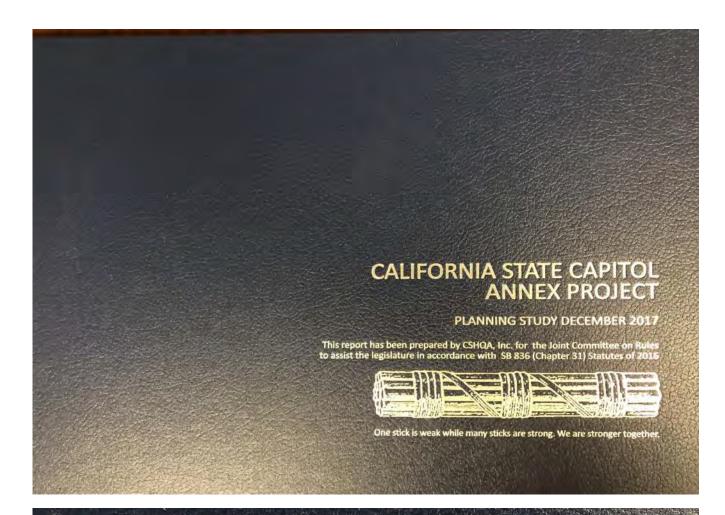
1952 CAPITOL GROUNDS
New Vehicular Ramps



**HISTORICAL CONTEXT:** *TODAY* 



## CAPITOL ANNEX 2017 PLANNING STUDY **DEFICIENCIES**



California's new Capitol Annex should convey to visitors
California's positive, hope-filled outlook, founded upon the
deliberative Democracy which unfolds there, by welcoming all
Californians, engaging all Californians, safeguarding the future of all
Californians, and demonstrating healthful, accessible, and sustainable
designs, while preserving the beauty and vistas of California's legacy
Capitol Park and inviting all its guests to explore and take pride in one
of the most energy-efficient capitol buildings in the nation.

—Assemblymember Ken Cooley, Chair, Joint Committee on Rules

#### TABLE OF CONTENTS ACKNOWLEDGEMENTS..... THOSE INVOLVED..... TABLE OF CONTENTS ..... PURPOSE OF THE STUDY..... INFORMATION GATHERING AND BACKGROUND ..... IDENTIFIED DEFICIENCIES ..... 10 Life Safety/Building Code Deficiencies..... 10 Non-Compliance with ADA Standards for Accessible Design ..... 11 Sustainable Design Issues..... 21 Overcrowding ..... Safety of User Concerns ..... Confusing Wayfinding and Public Access..... 26 Failing Toilet and Plumbing Systems ..... Aging Mechanical Systems ..... Undersized Electrical Infrastructure..... Outdated Technology ..... Inadequate Conferencing Spaces..... 30 Other Public and Working Space Deficiencies..... 30



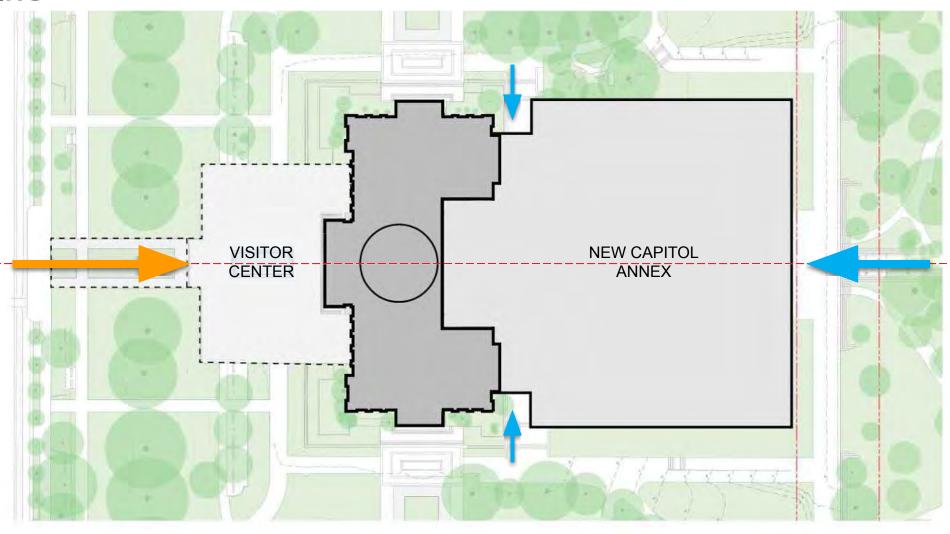
## PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 **PRINCIPLES**

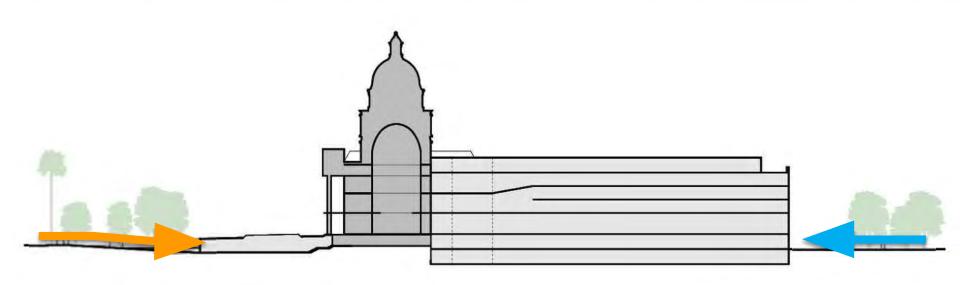
- 1. Inclusive & Welcoming
- 2. Secure, Safe & Accessible
- 3. Access to All
- 4. Dignity & Symbolism
- 5. One Building
- 6. Adjacency to Everything
- 7. Functional



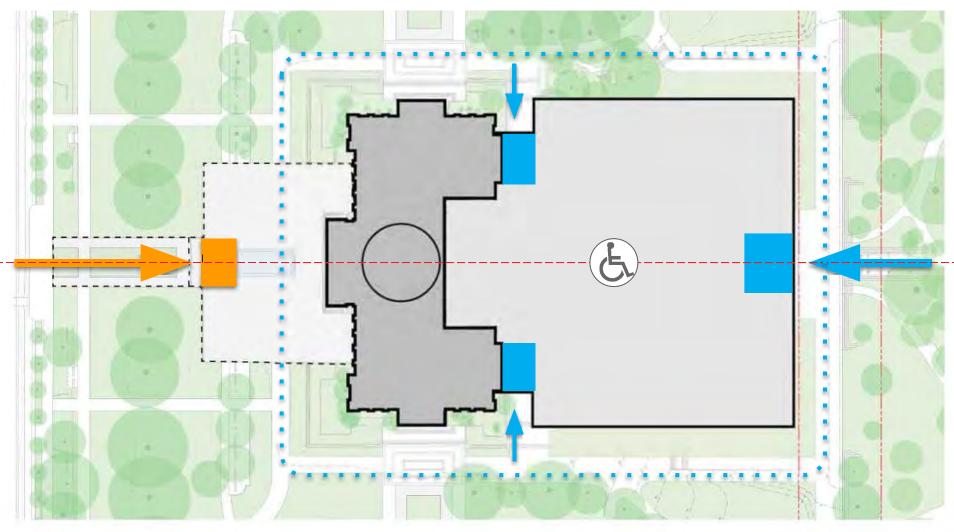
### PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES

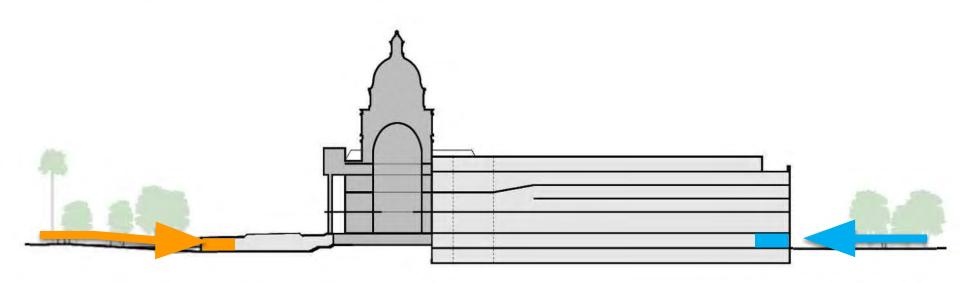
#### **INCLUSIVE & WELCOMING**





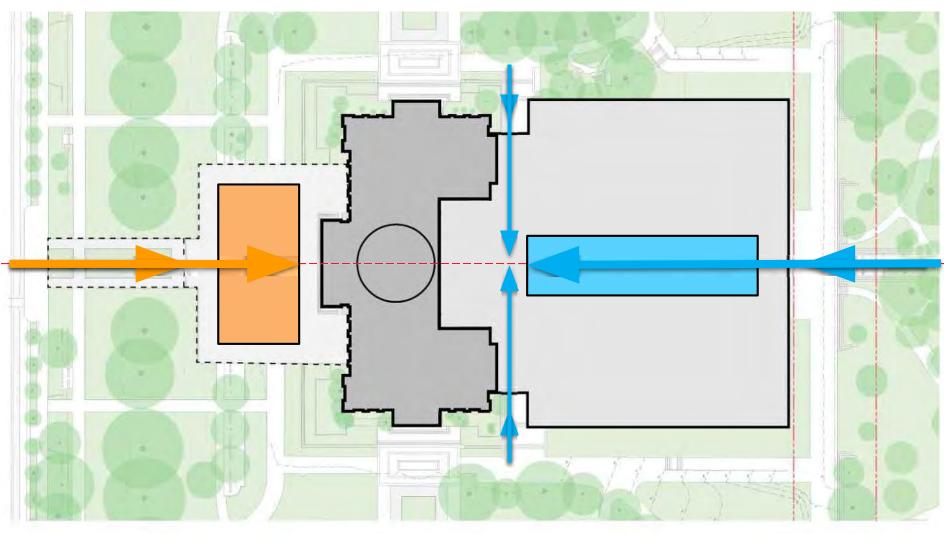
## PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES SAFE, SECURE & ACCESSIBLE

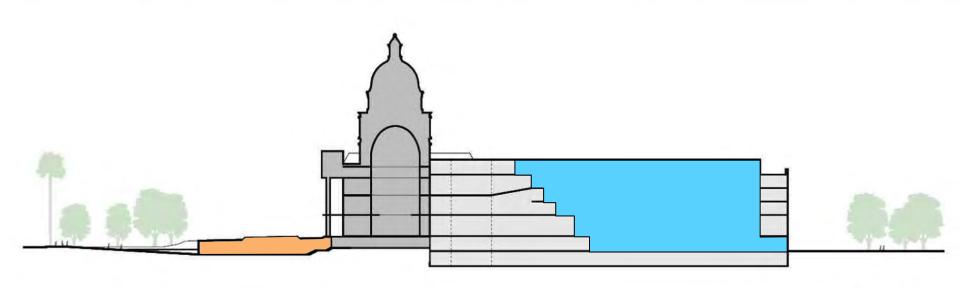






### PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES **ACCESS TO ALL**

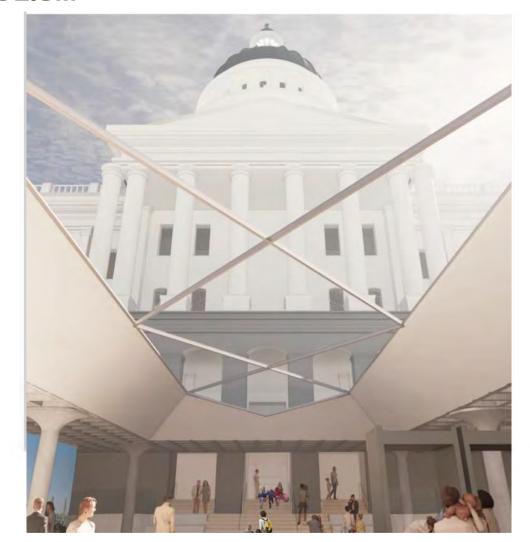




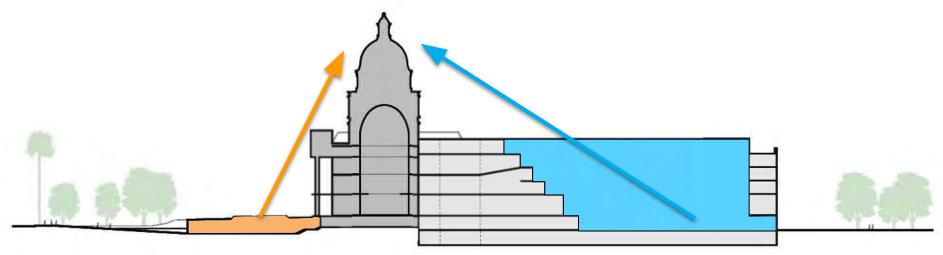


## PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES

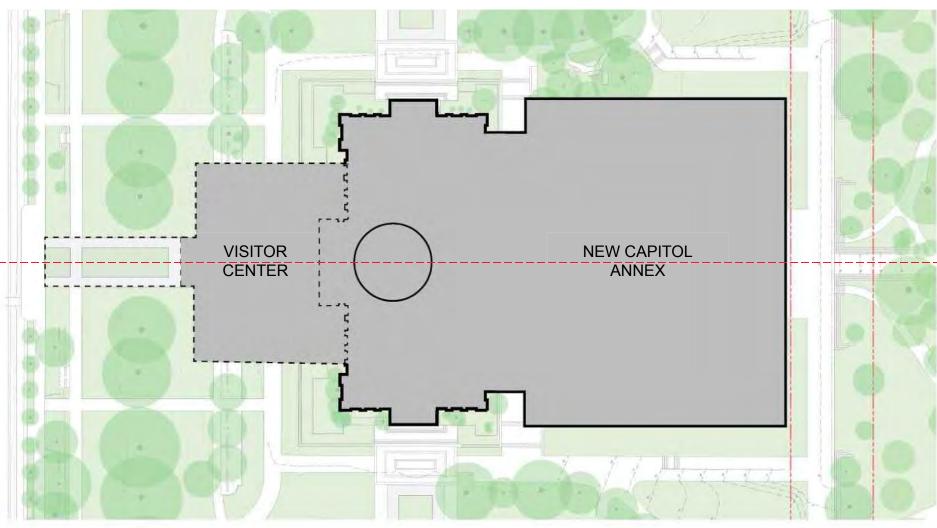
#### **DIGNITY & SYMBOLISM**

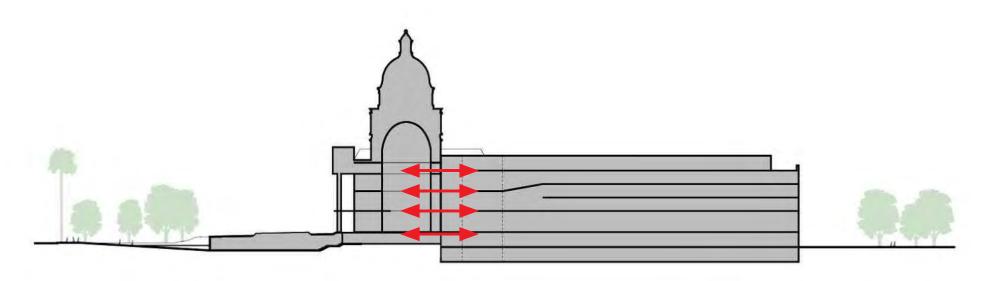






### PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES **ONE BUILDING -** TO FUNCTION AS ONE BUILDING

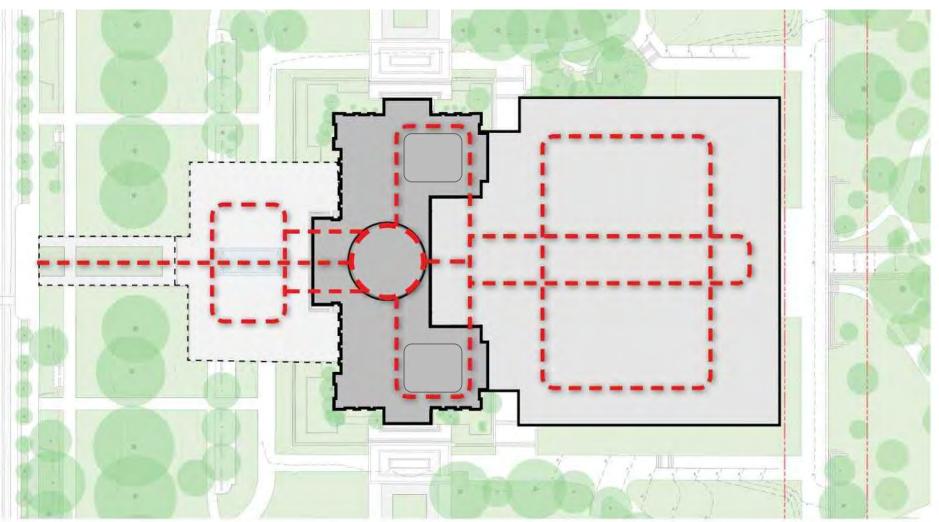


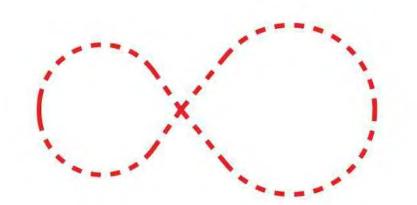


PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES

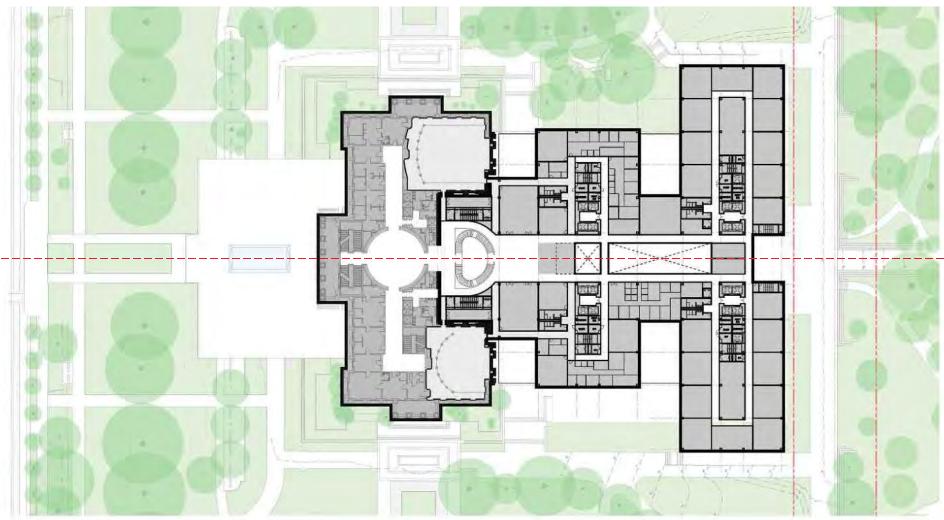
"ADJACENCY TO EVERYTHING" - FACILITATES A PRODUCTIVE WORKDAY

**EVEYTHING** 

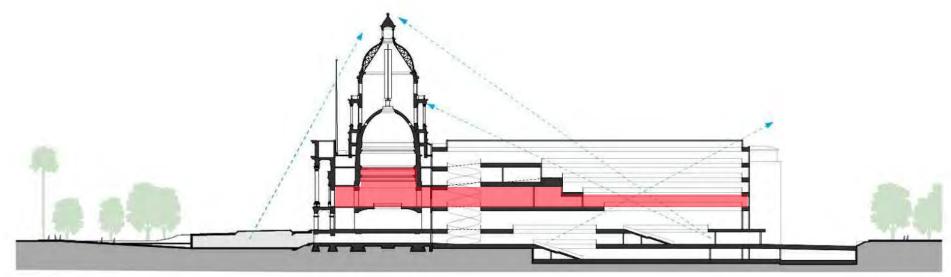




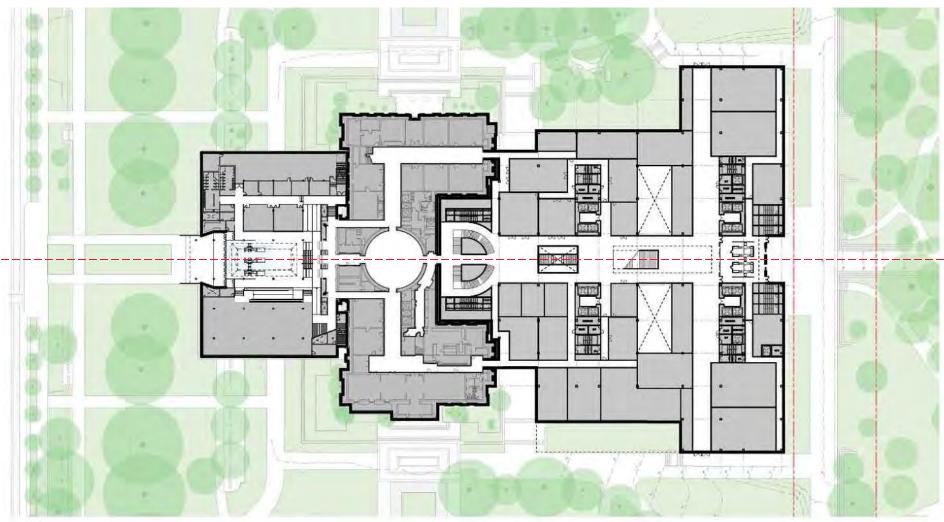
### PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES **FUNCTIONAL**



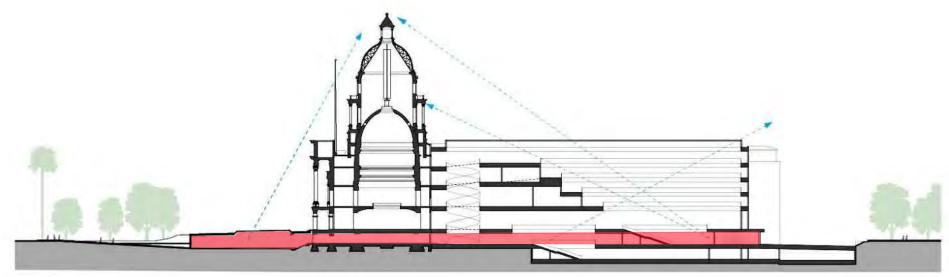
LEVEL 2



### PROJECT OVERVIEW & SEQUENCE REPORT (P.O.S.), AUGUST 2019 - PRINCIPLES **FUNCTIONAL**



**GARDEN LEVEL** 





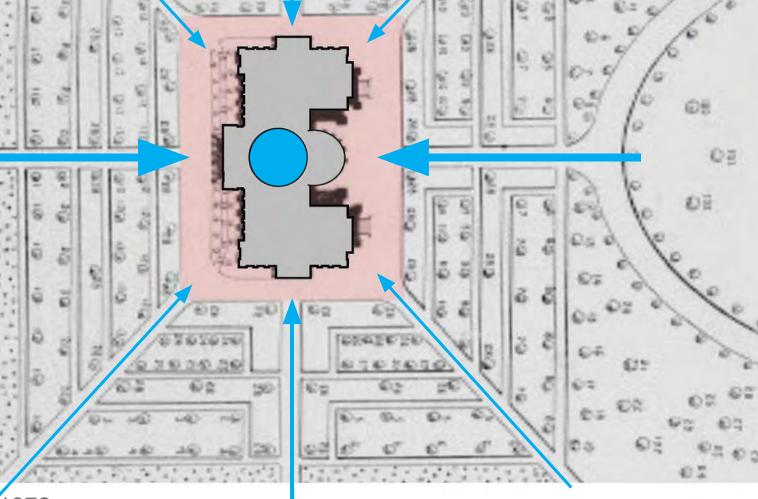
#### **ELEVATED FROM THE PUBLIC REALM - VIEWS TO THE DOME**

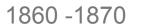






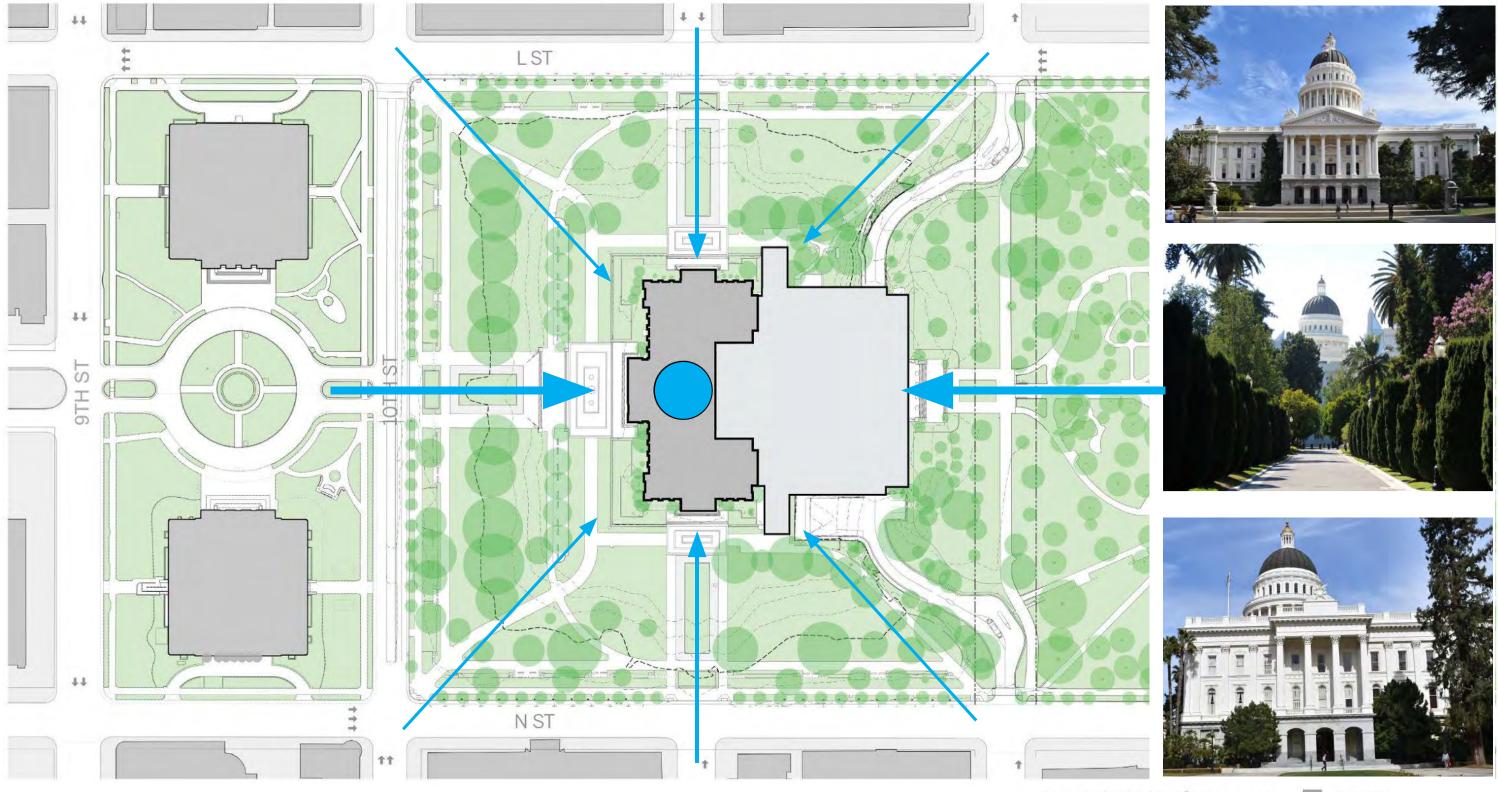
1872



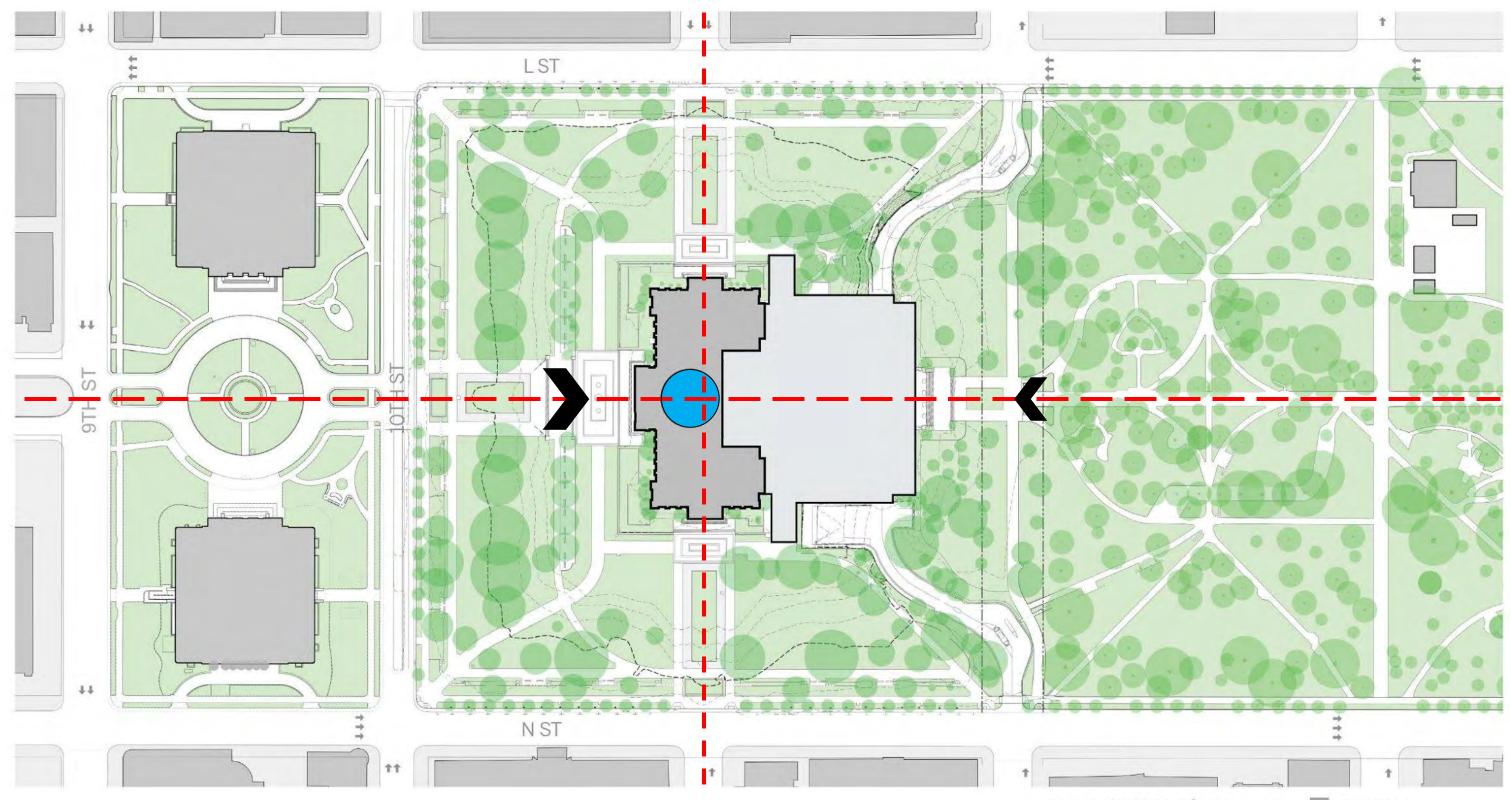




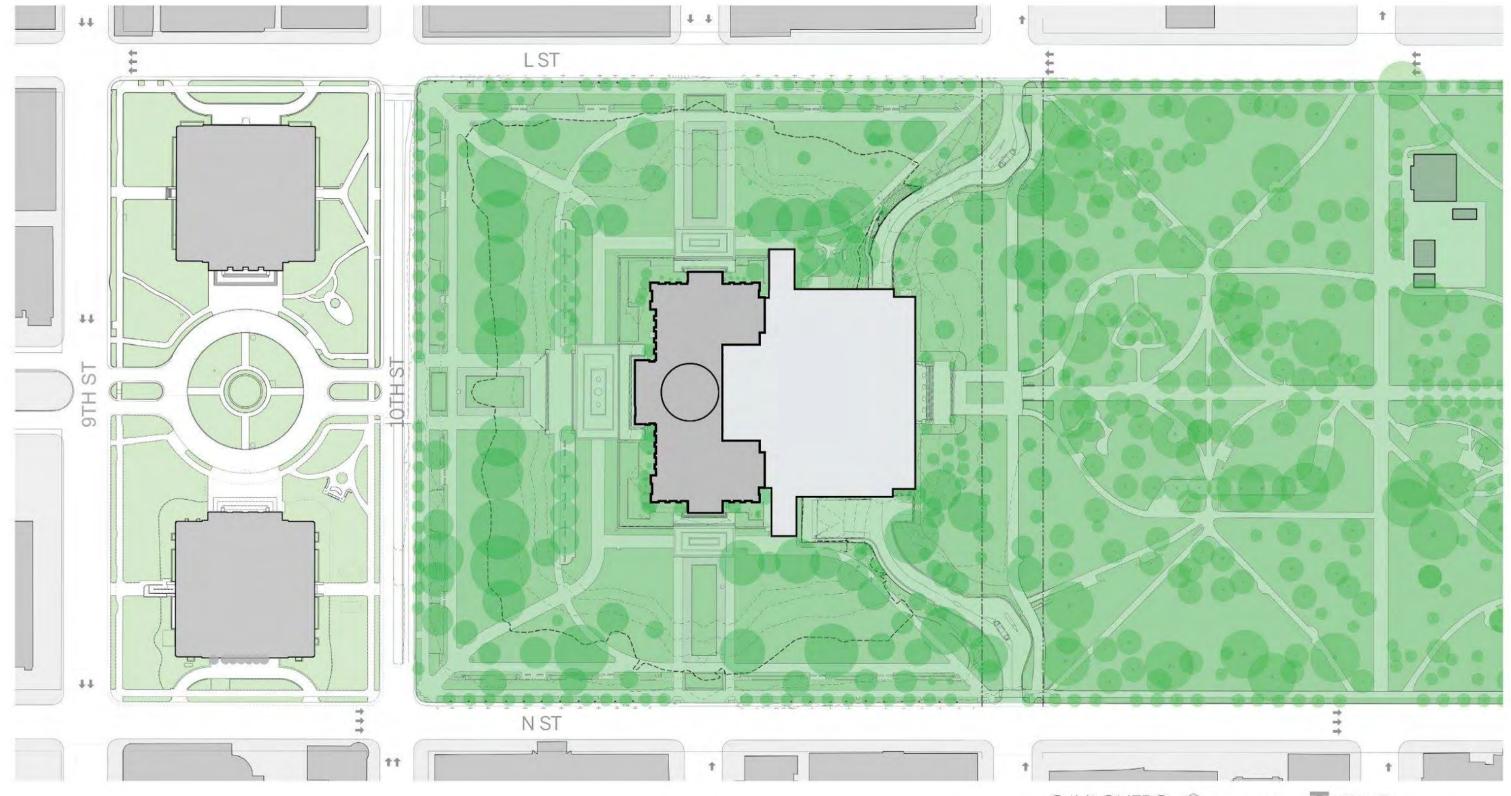
## SITE CONSIDERATIONS & OPPORTUNITIES VIEWS TO THE DOME



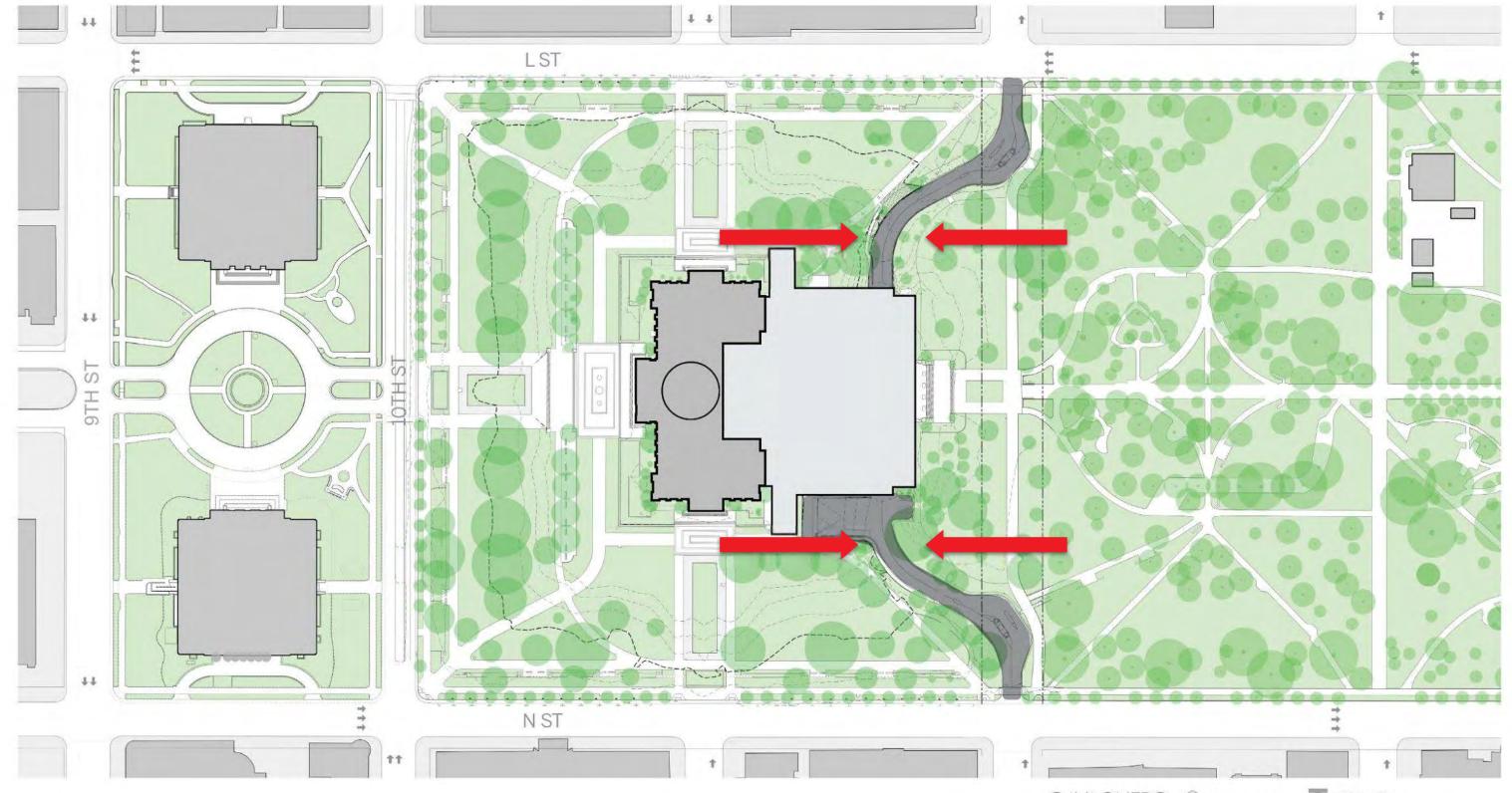
#### **AXIS - WEST & EAST ENTRIES**



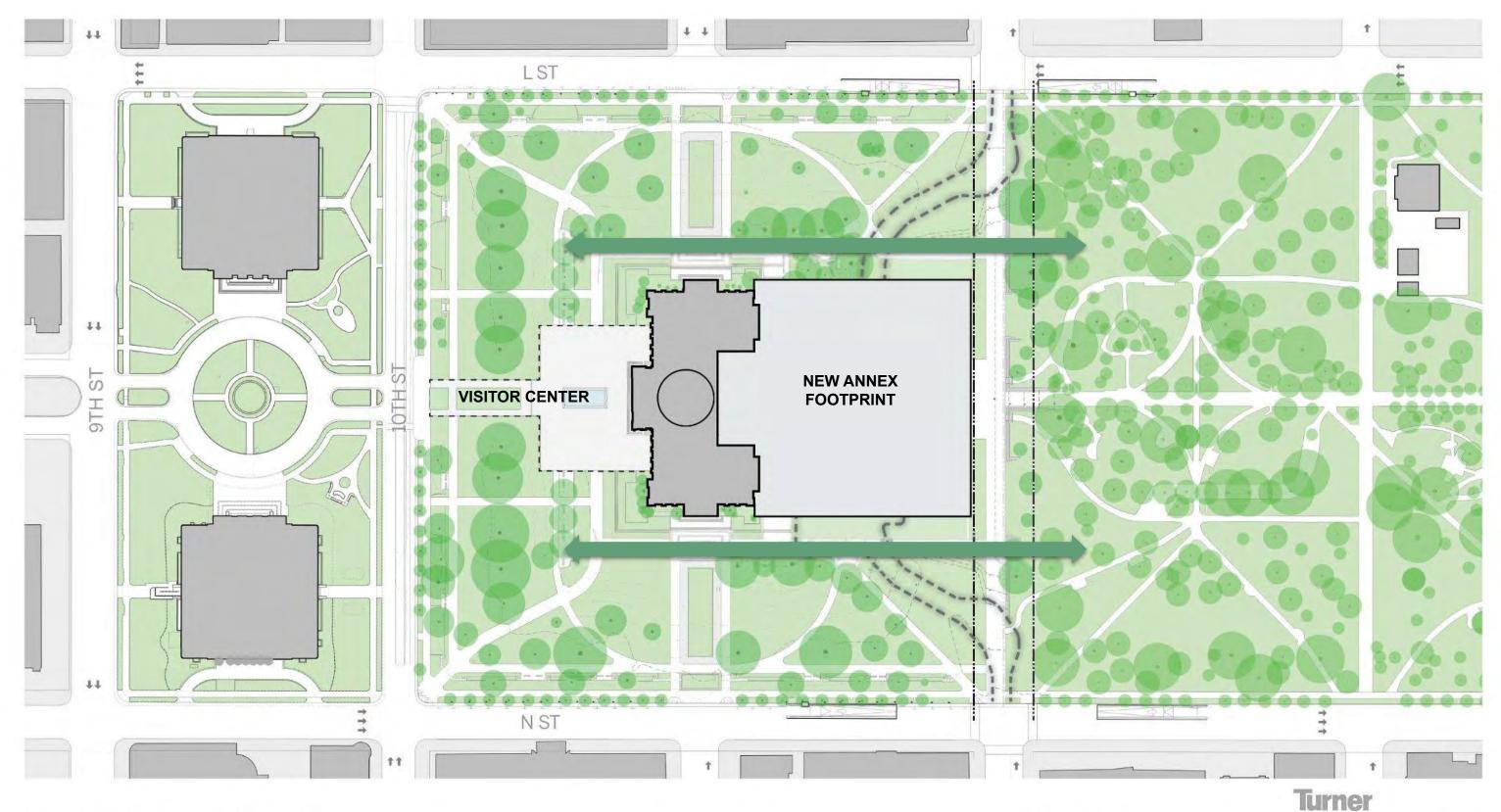
#### PARK SETTING



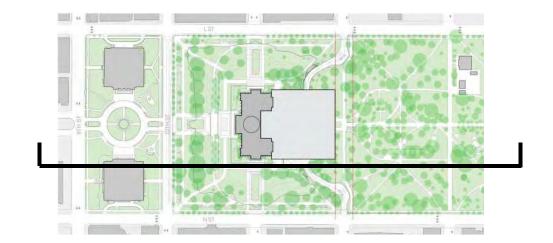
## SITE CONSIDERATIONS & OPPORTUNITIES **EXISTING RAMPS**

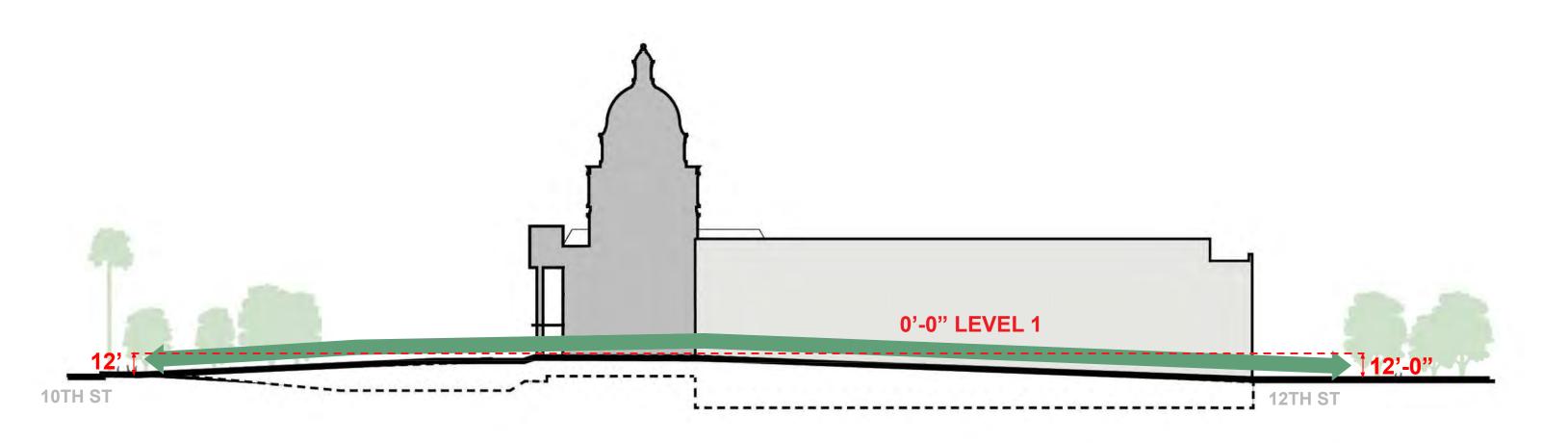


#### **CONNECT THE PARK**

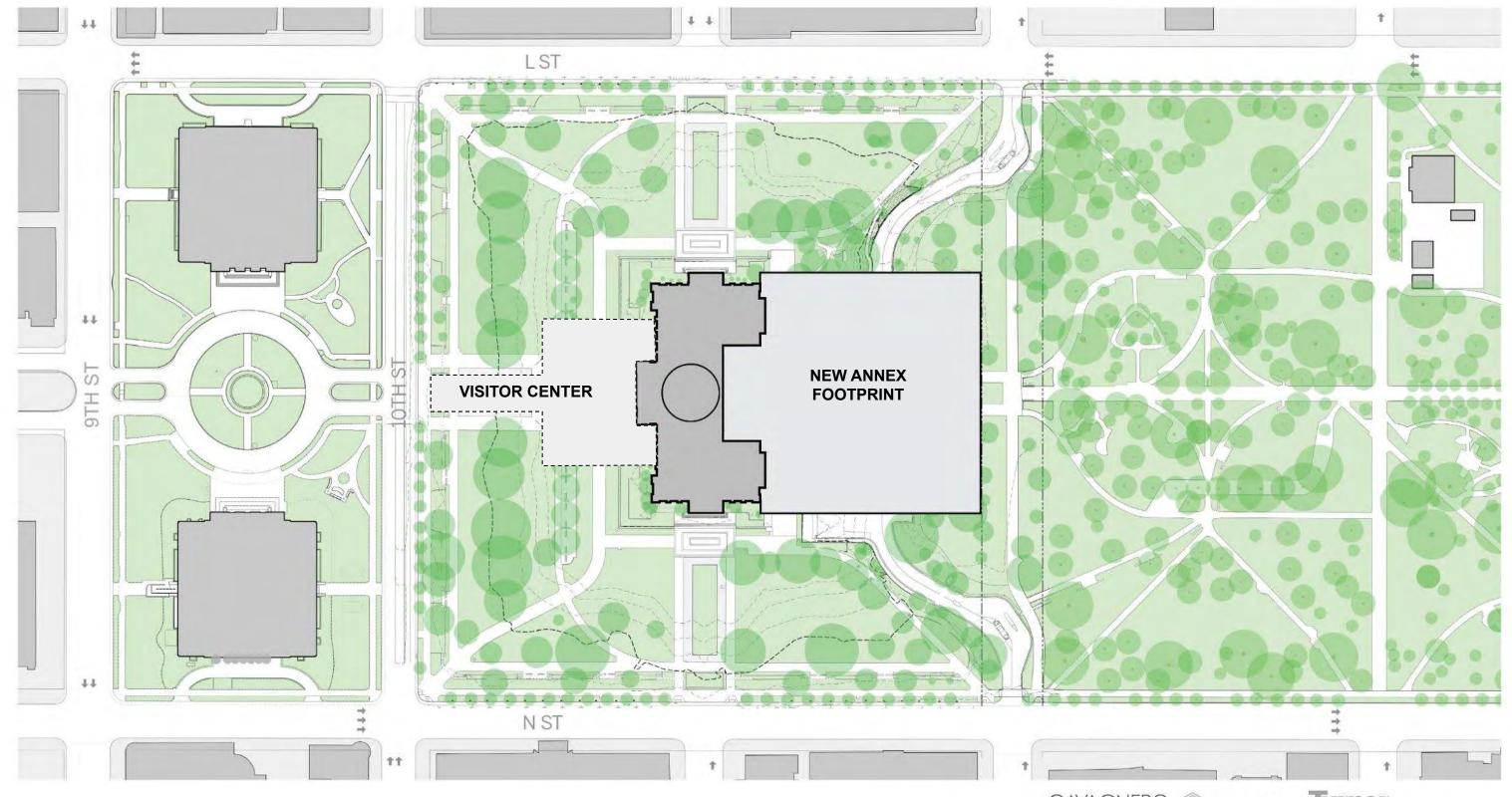


## SITE CONSIDERATIONS & OPPORTUNITIES TOPOGRAPHY & UNIVERSAL ACCESS

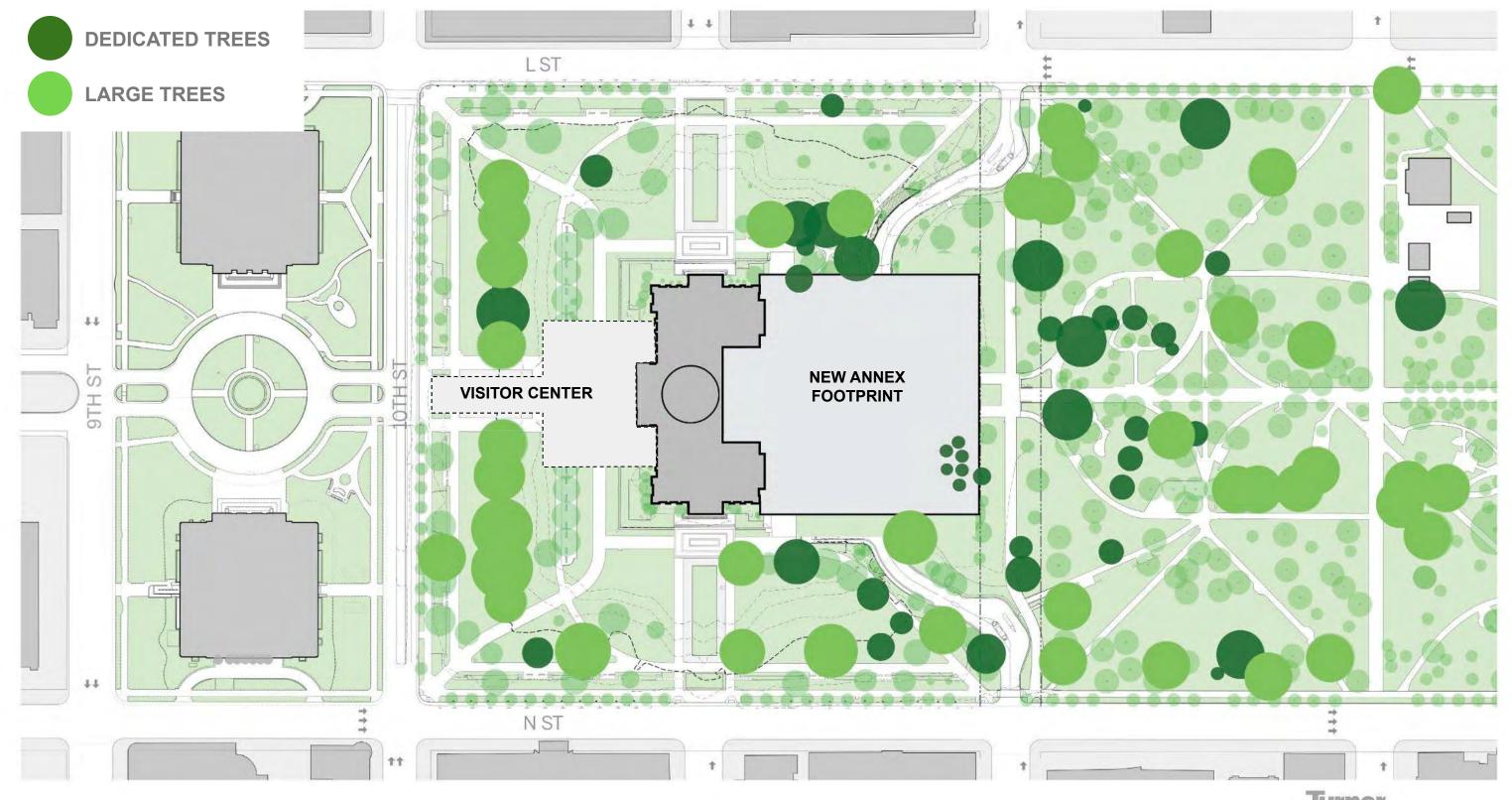




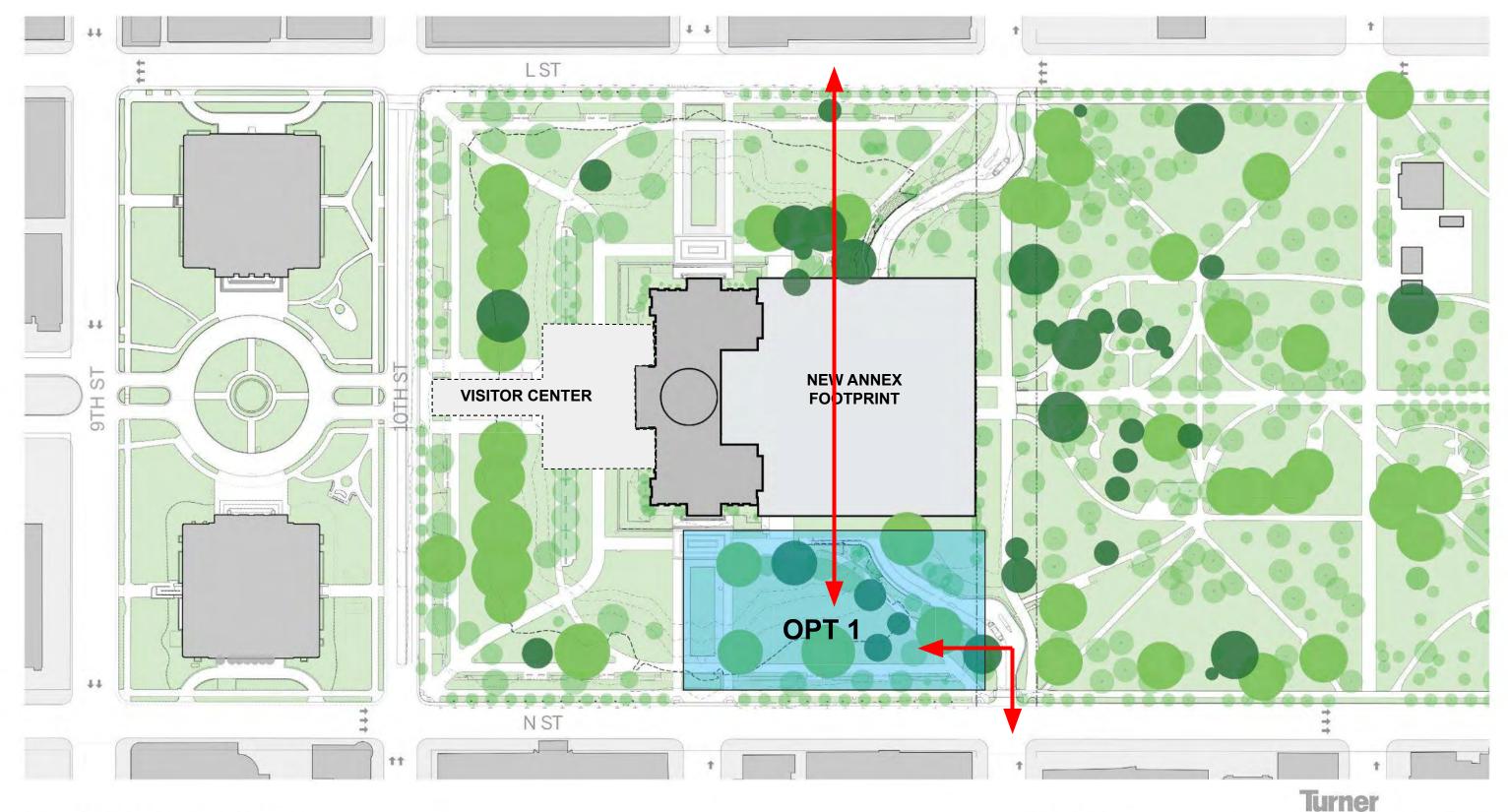
#### PARK SETTING & IMPORTANCE OF TREES



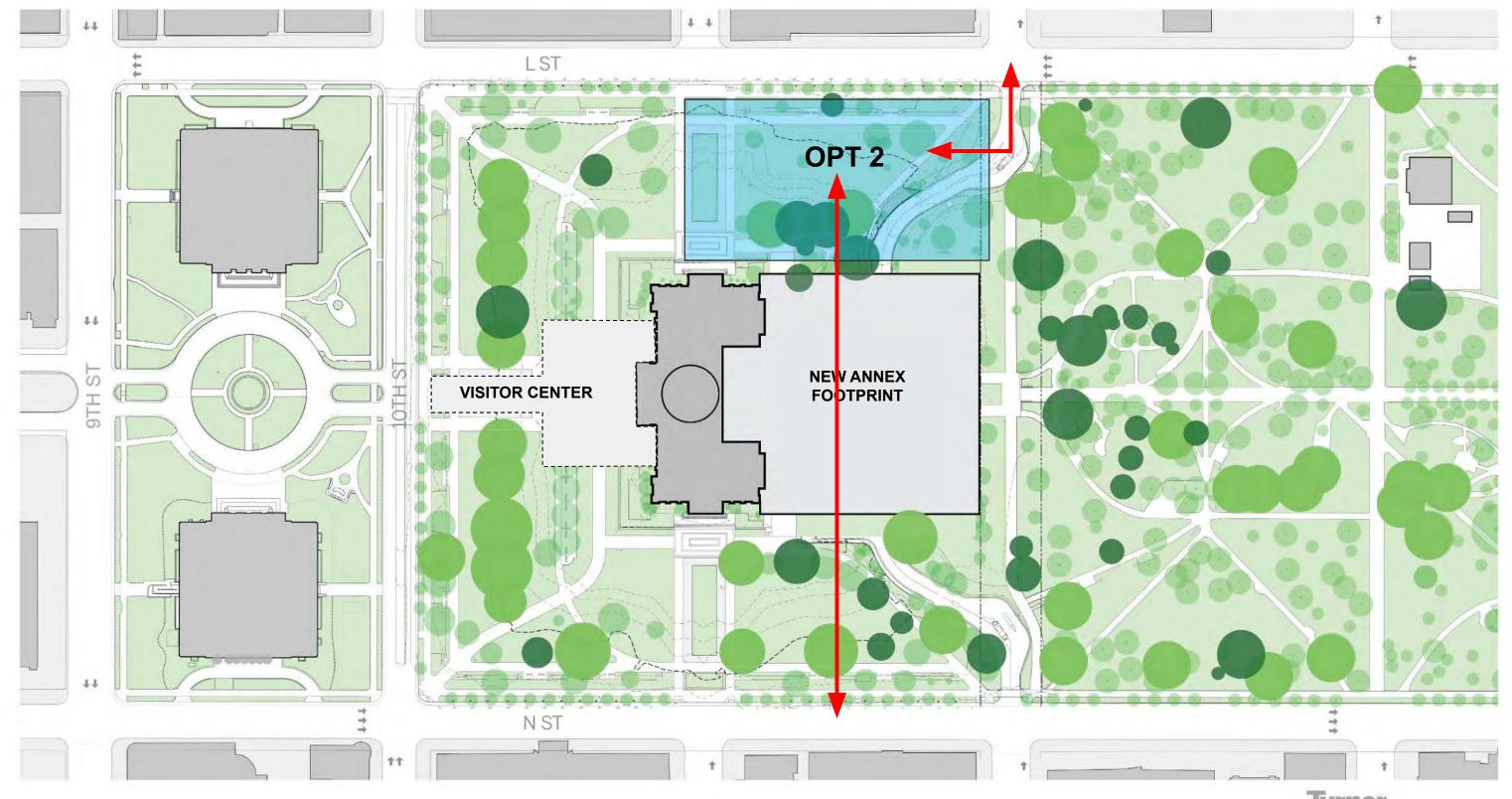
#### **LARGE & DEDICATED TREES**



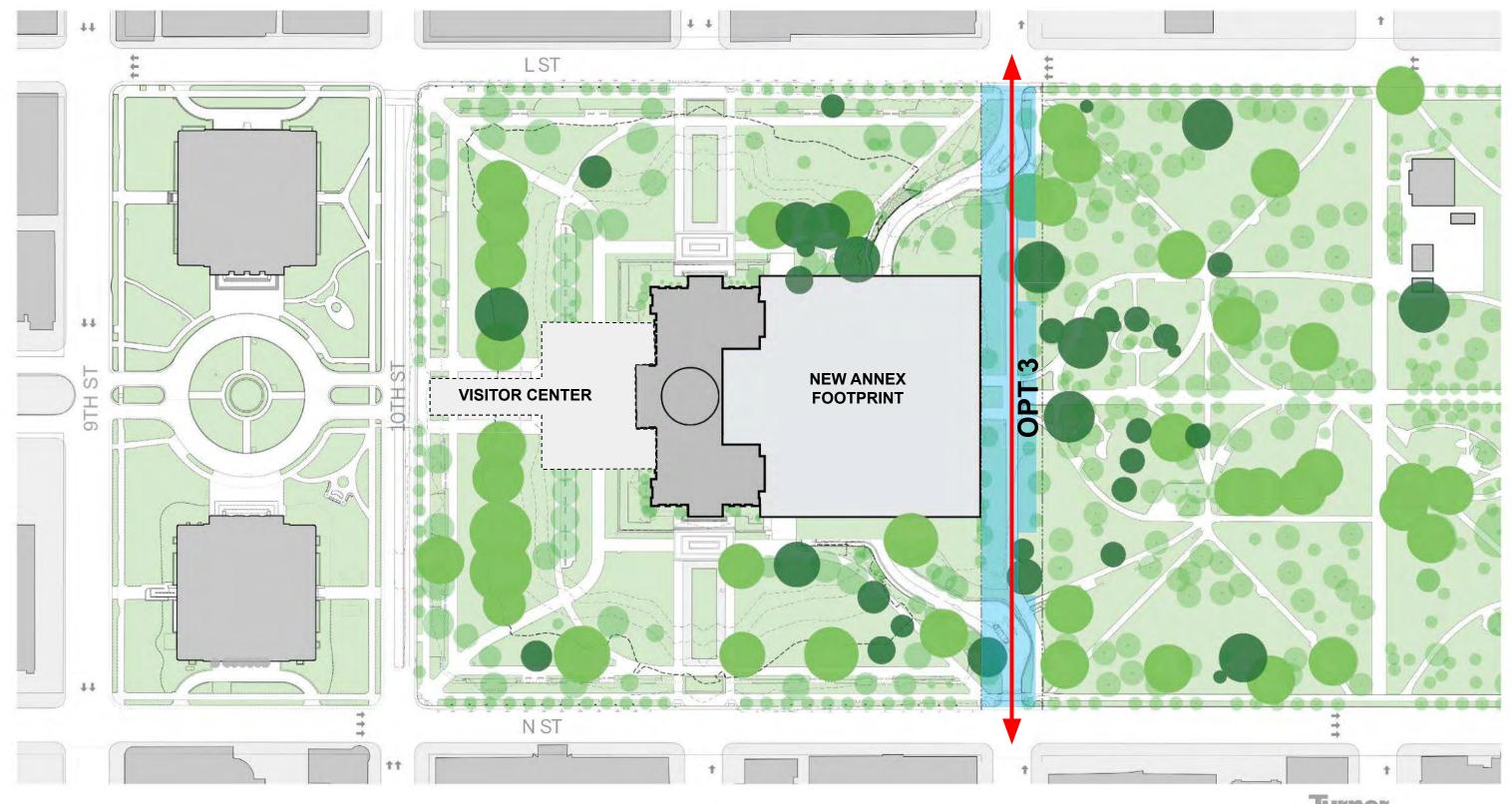
#### **PARKING - IMPACT ON TREES**



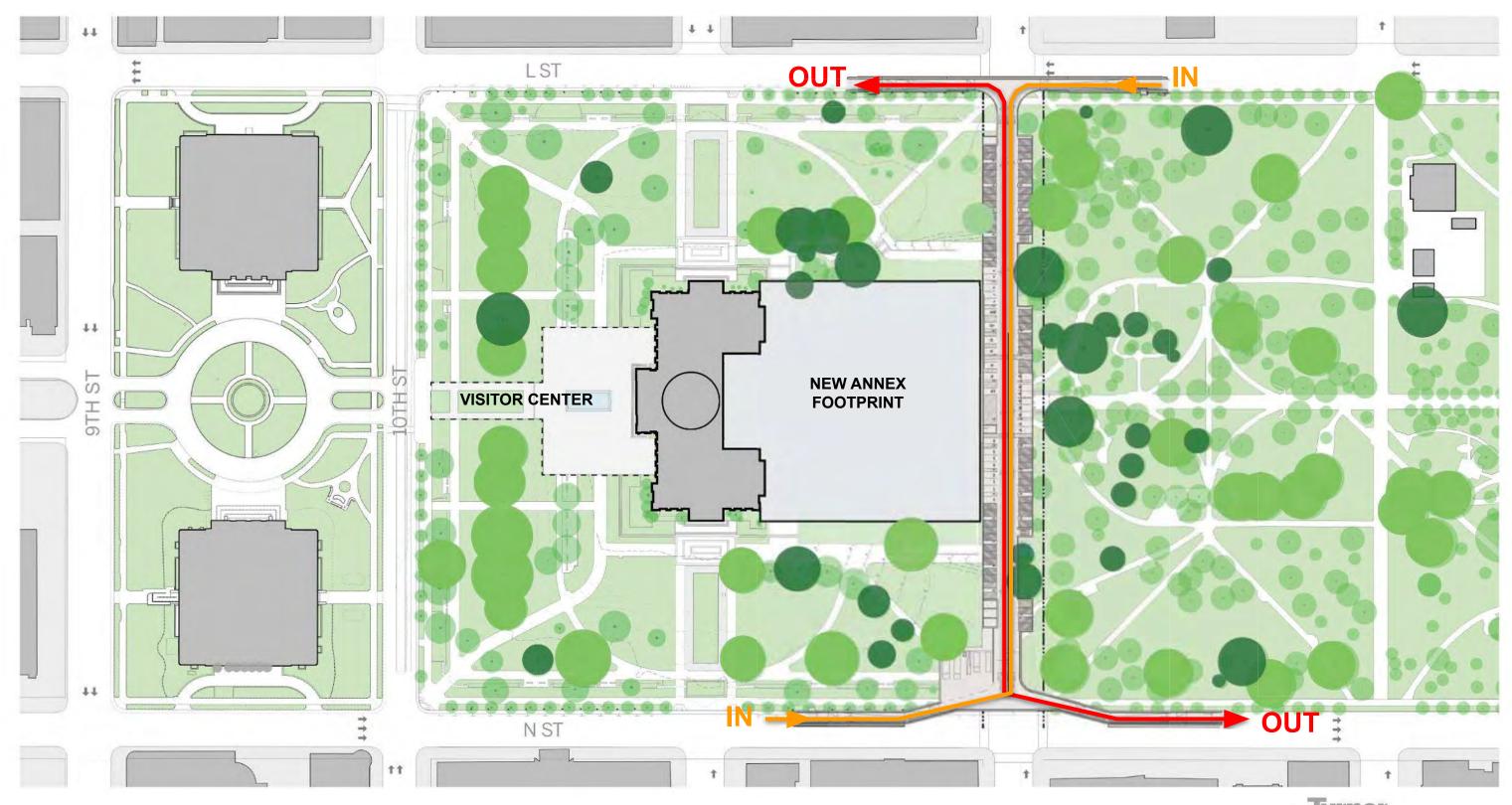
#### **PARKING - IMPACT ON TREES**



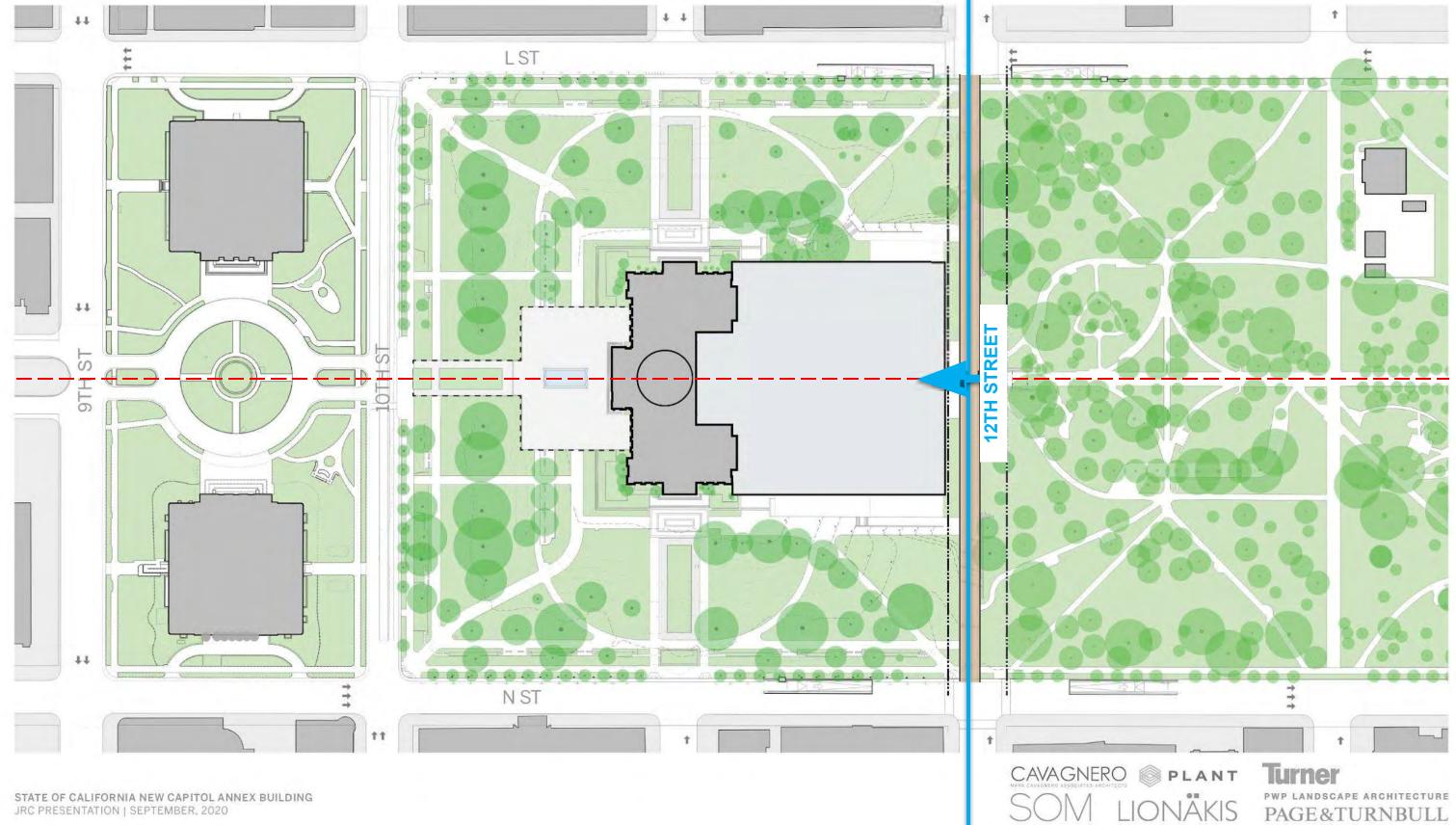
#### **PARKING - IMPACT ON TREES**



#### **PARKING - ACCESS & EGRESS**

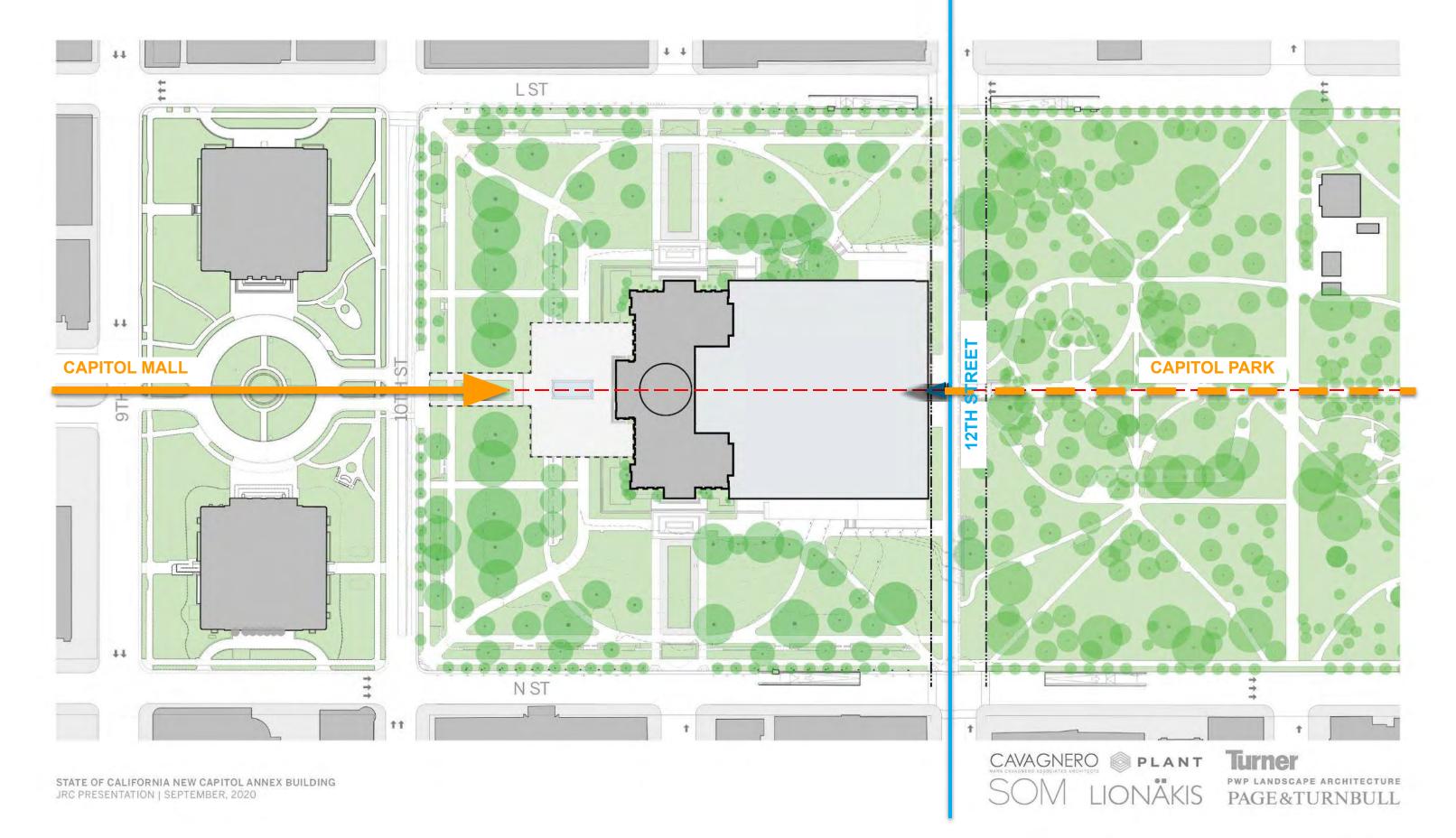


### SITE CONSIDERATIONS & OPPORTUNITIES **VISITOR ACCESS - 12TH STREET PROMENADE**

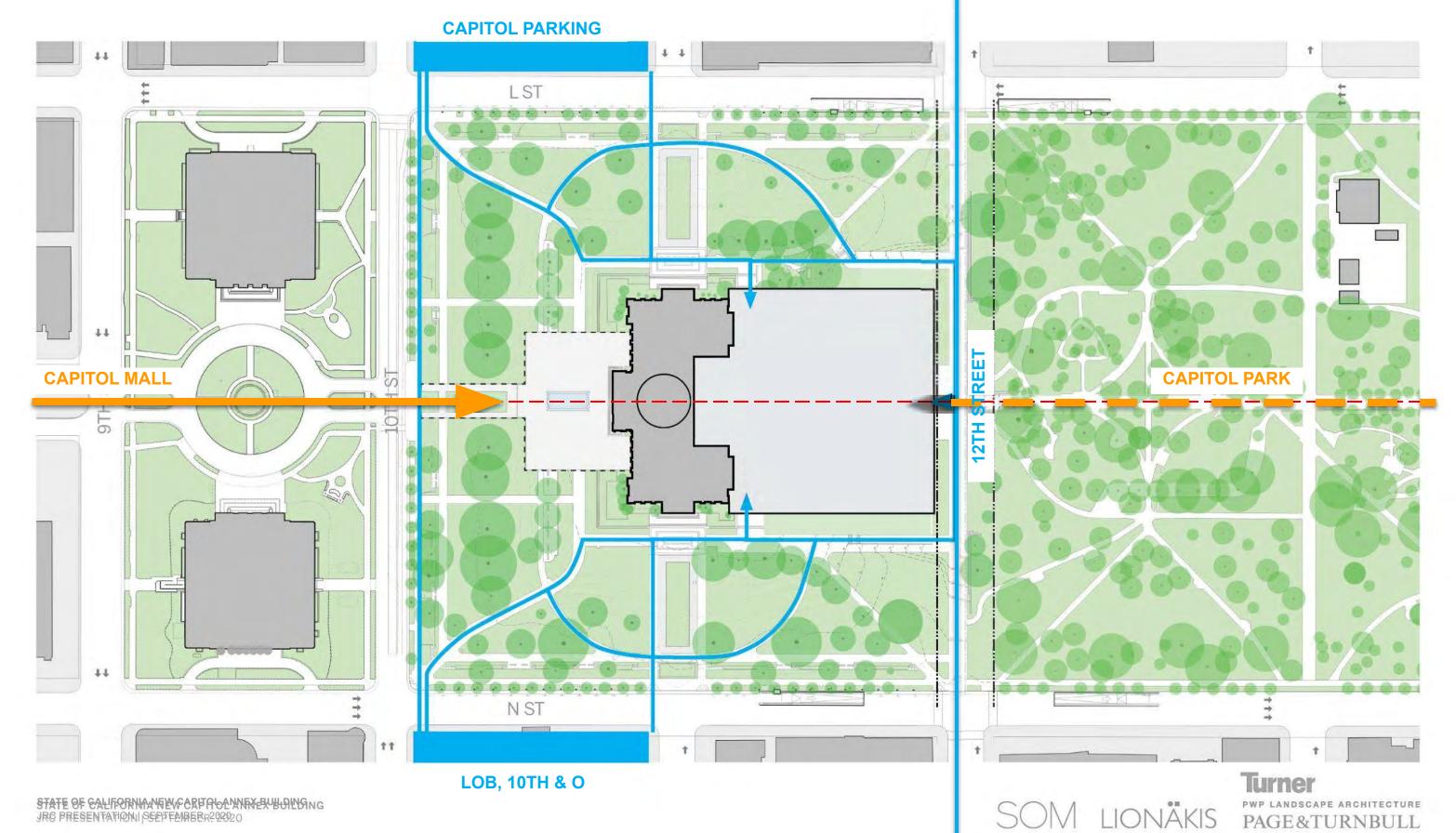


PAGE&TURNBULL

## SITE CONSIDERATIONS & OPPORTUNITIES VISITOR ACCESS

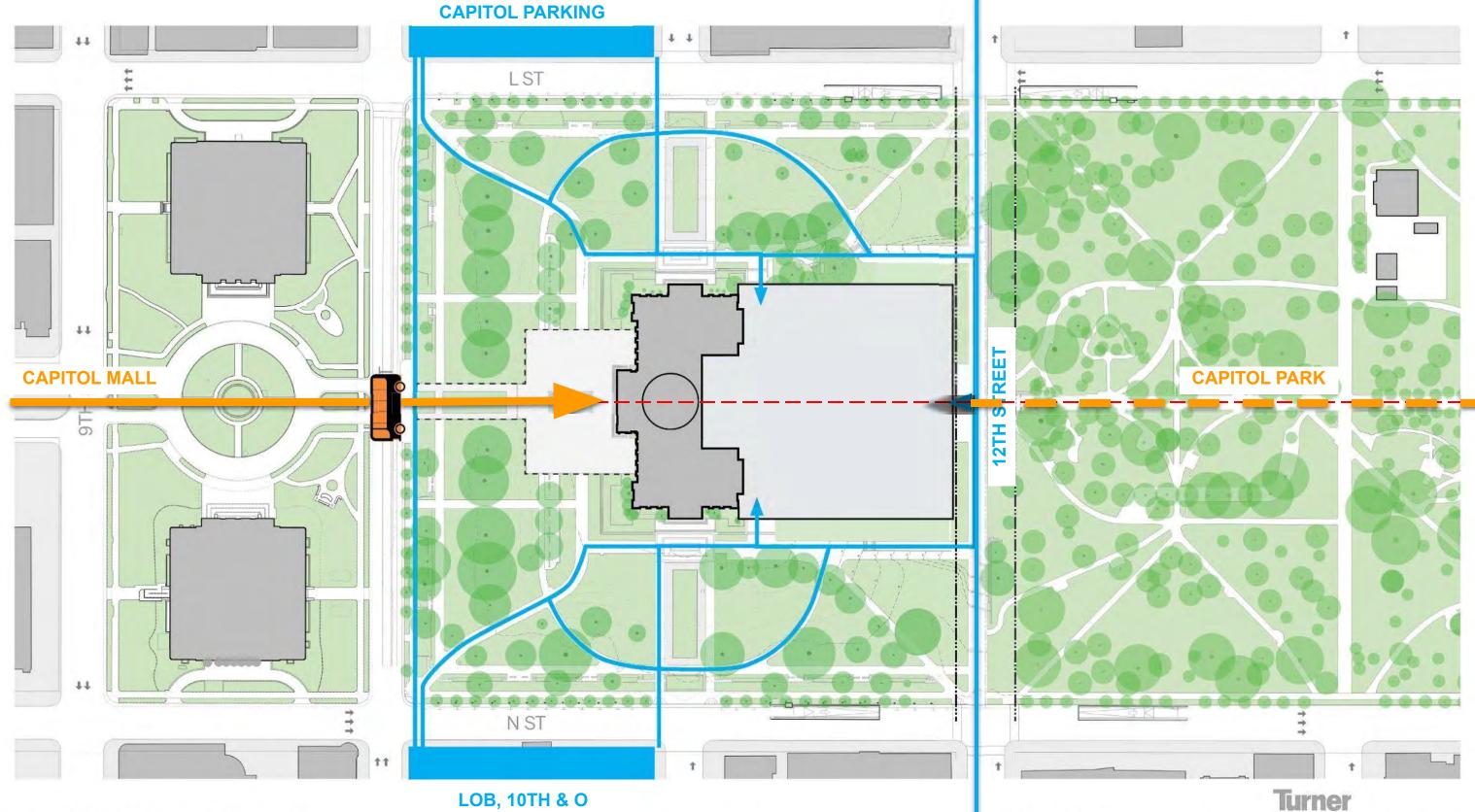


# SITE CONSIDERATIONS & OPPORTUNITIES VISITOR ACCESS



#### SITE CONSIDERATIONS & OPPORTUNITIES

#### **TOUR BUS DROP-OFF**

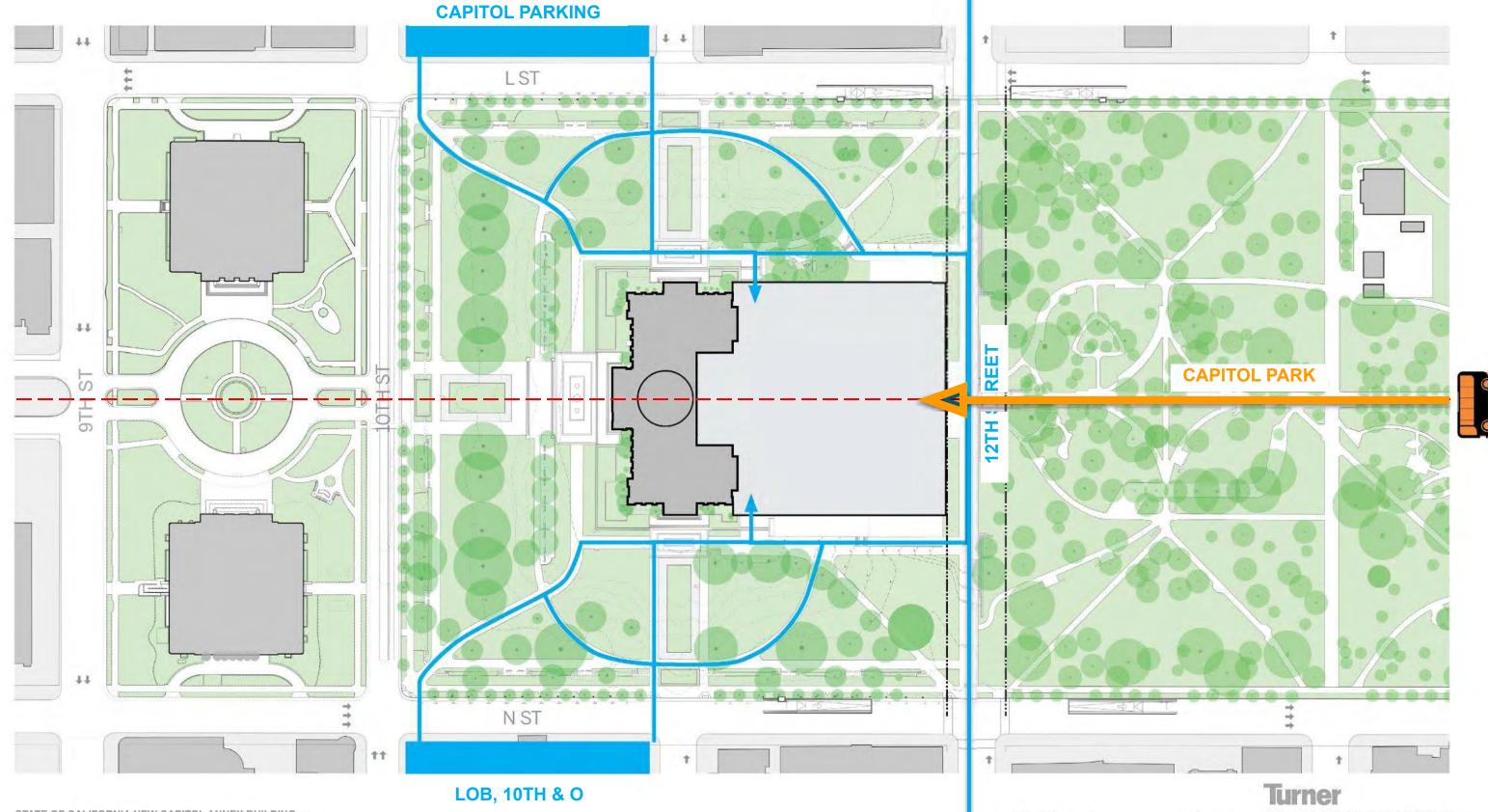


STATE OF CALIFORNAME ENCARP PLOAD WARKERUE UNION GUIDE PRESENTATION I SEPTEMBER 202020

SOM LIONAKIS PAGE&TURNBULL

#### SITE CONSIDERATIONS & OPPORTUNITIES

#### **TOUR BUS DROP-OFF - NO VISITOR CENTER**

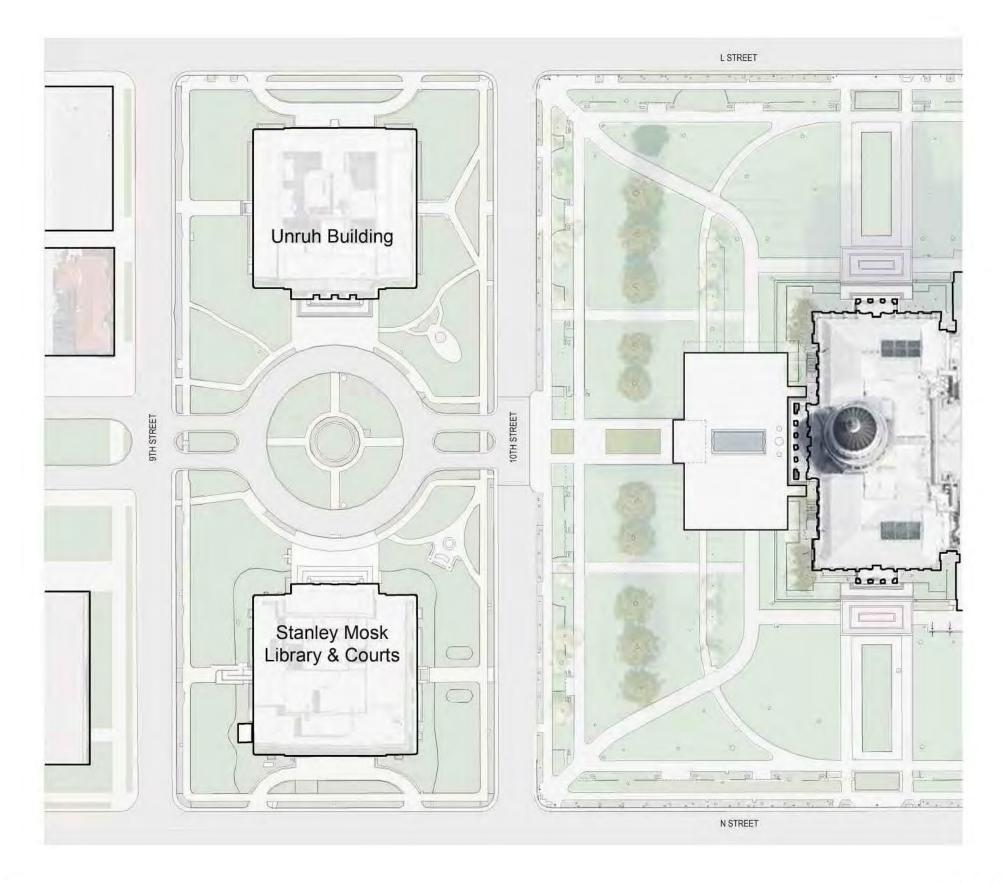


STATE OF CALIFORNAME ENCARP PLOAD WARKERUE UNION GUIDE PRESENTATION I SEPTEMBER 202020

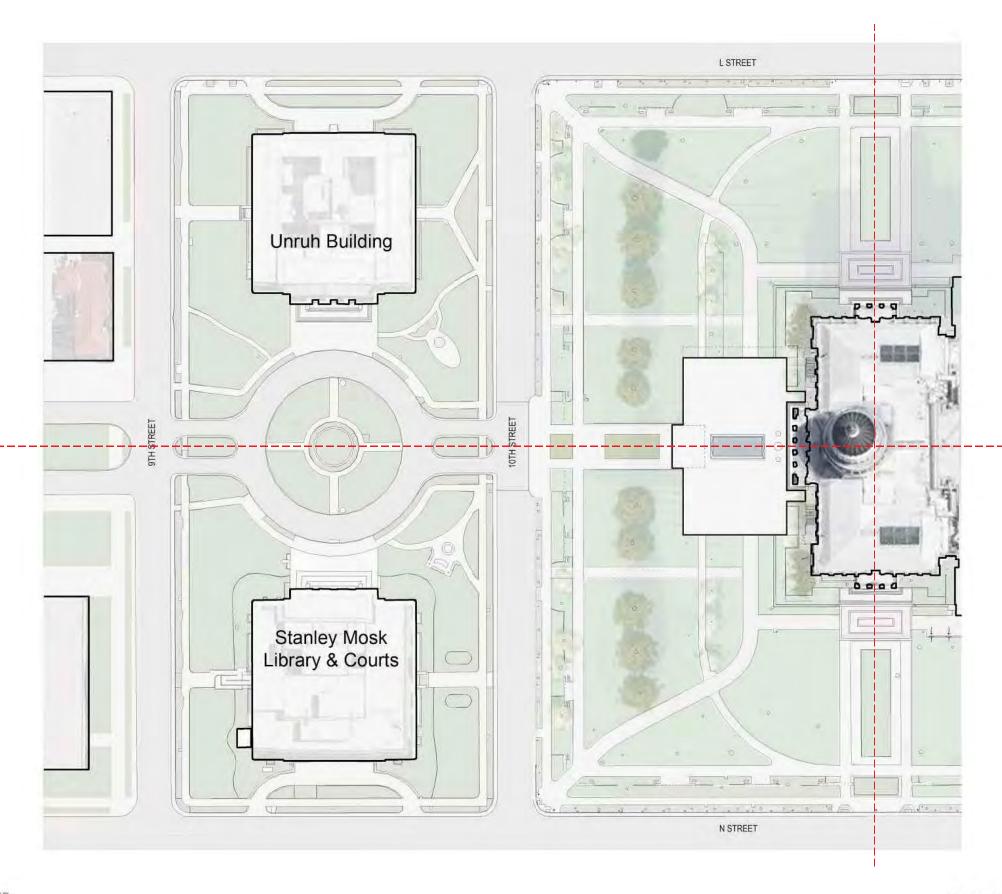
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### **NEW VISITOR CENTER**

## VISITOR CENTER SITE PLAN

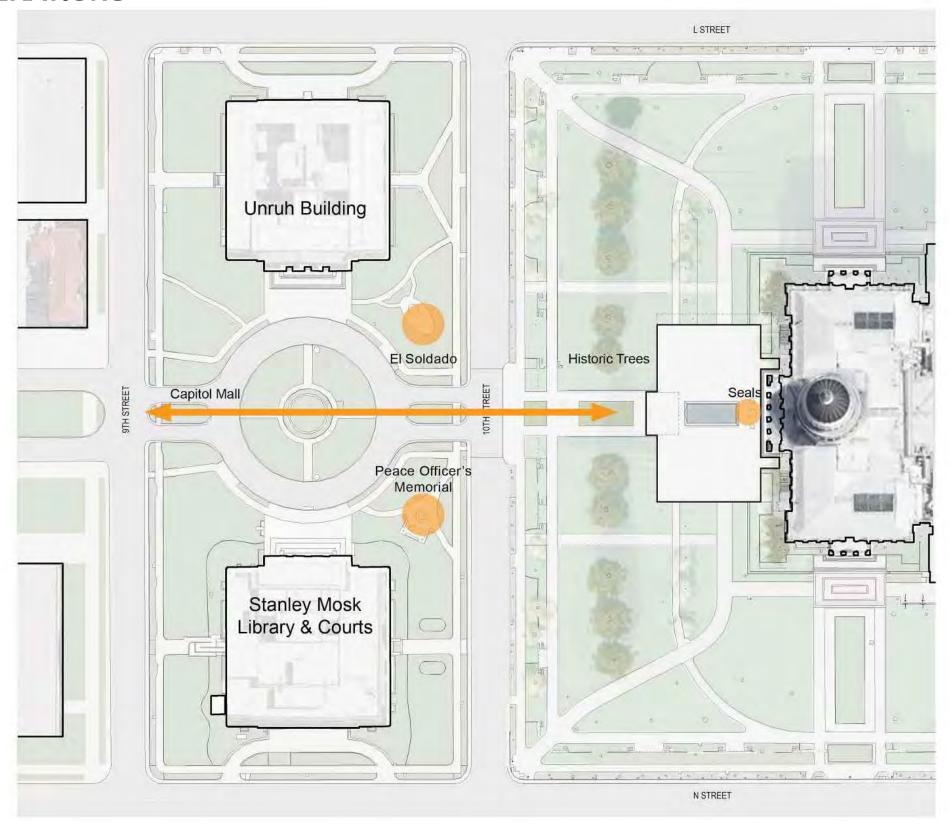


## VISITOR CENTER SITE PLAN



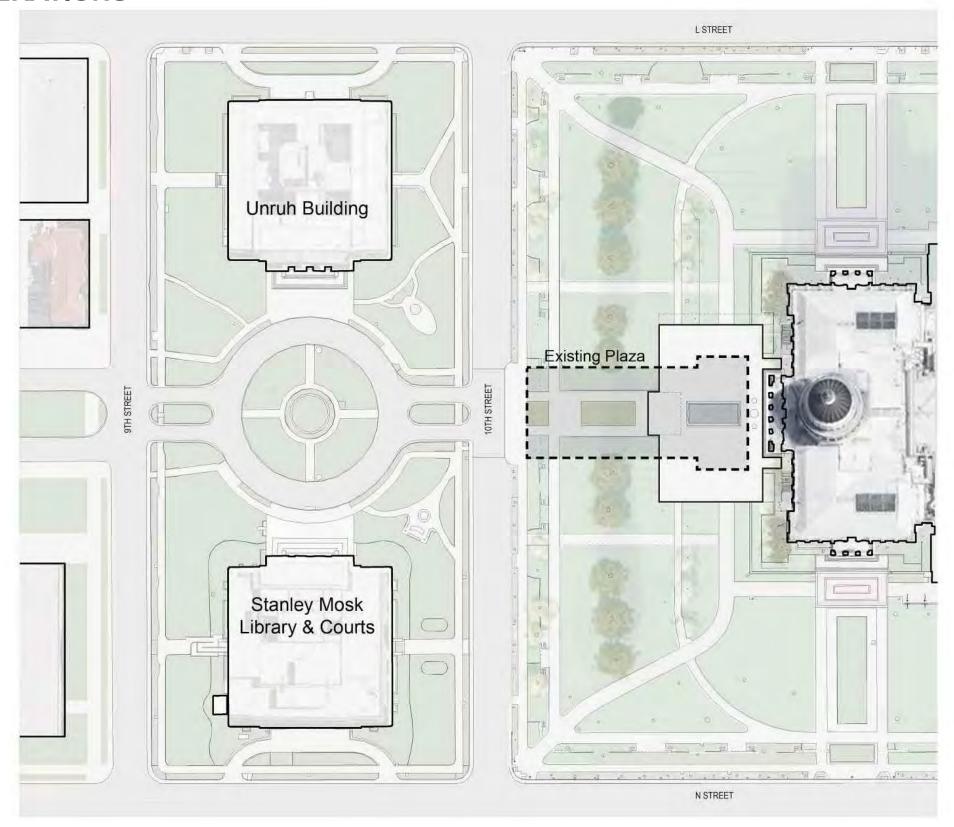


#### **SITE PLAN: CONSIDERATIONS**



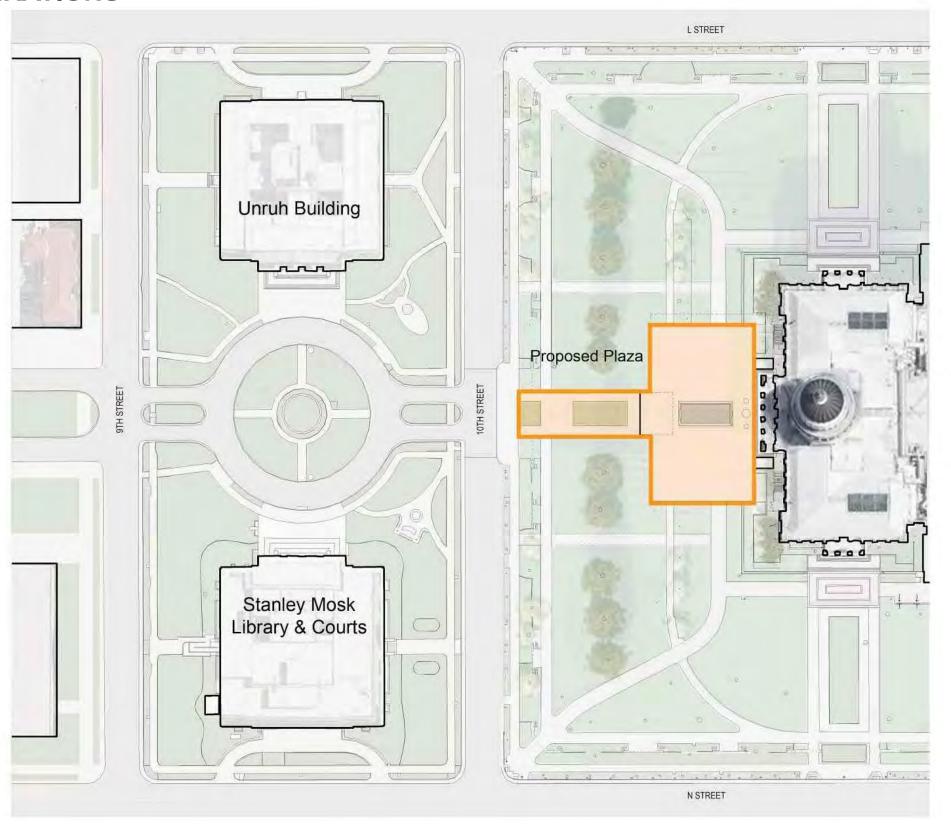


#### **SITE PLAN: CONSIDERATIONS**



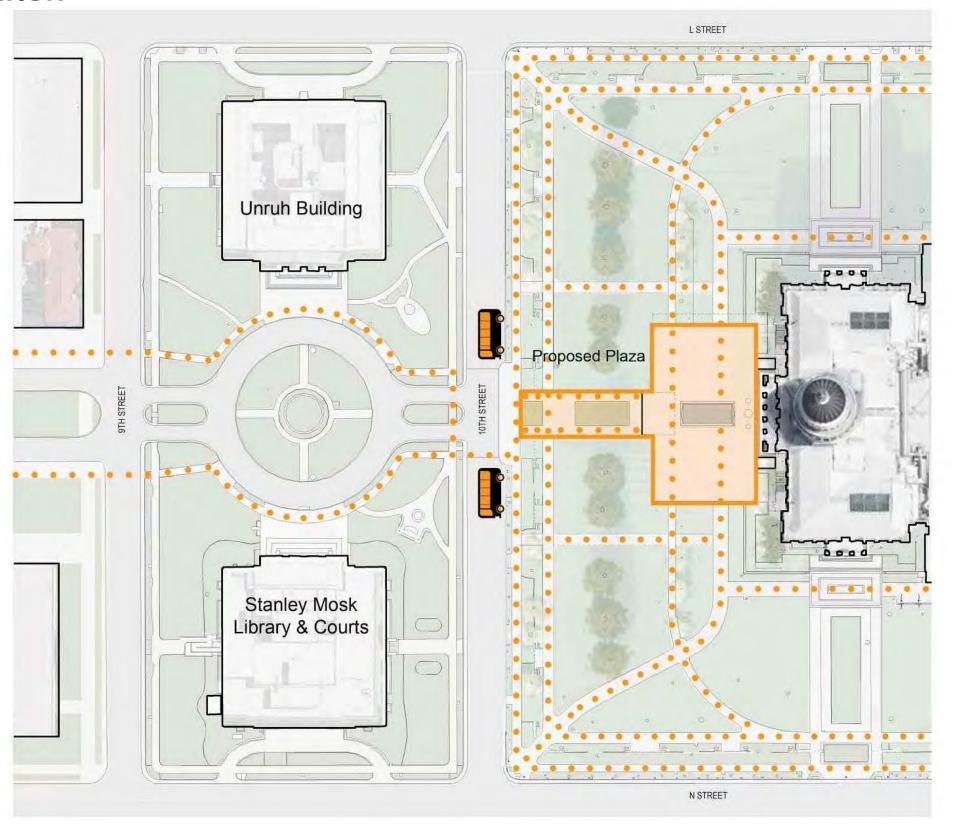


#### **SITE PLAN: CONSIDERATIONS**





#### **SITE PLAN: CIRCULATION**





#### SITE AXONOMETRIC - LOOKING NORTH



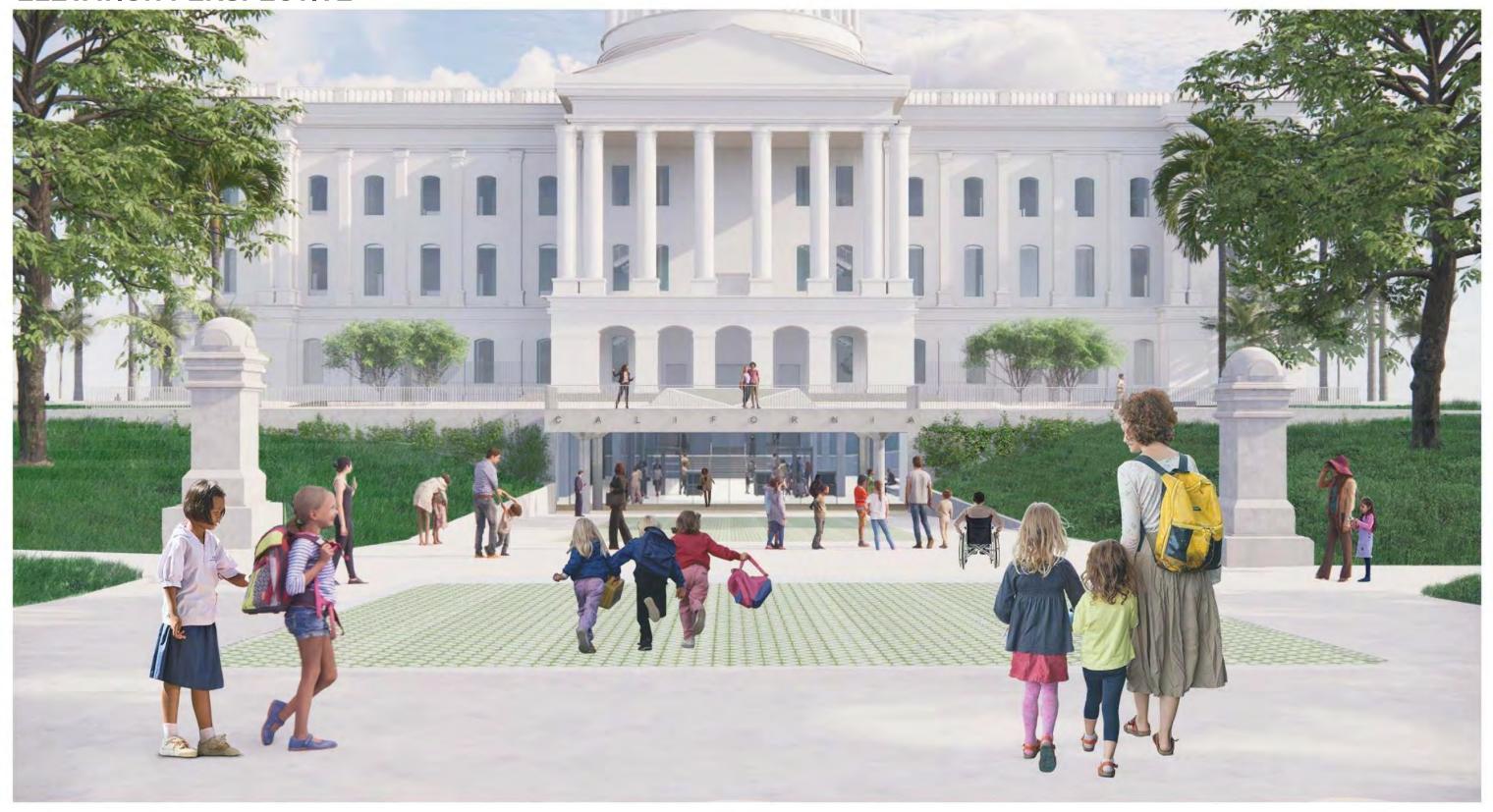


#### **ELEVATION PERSPECTIVE FROM STREET**





#### **ELEVATION PERSPECTIVE**



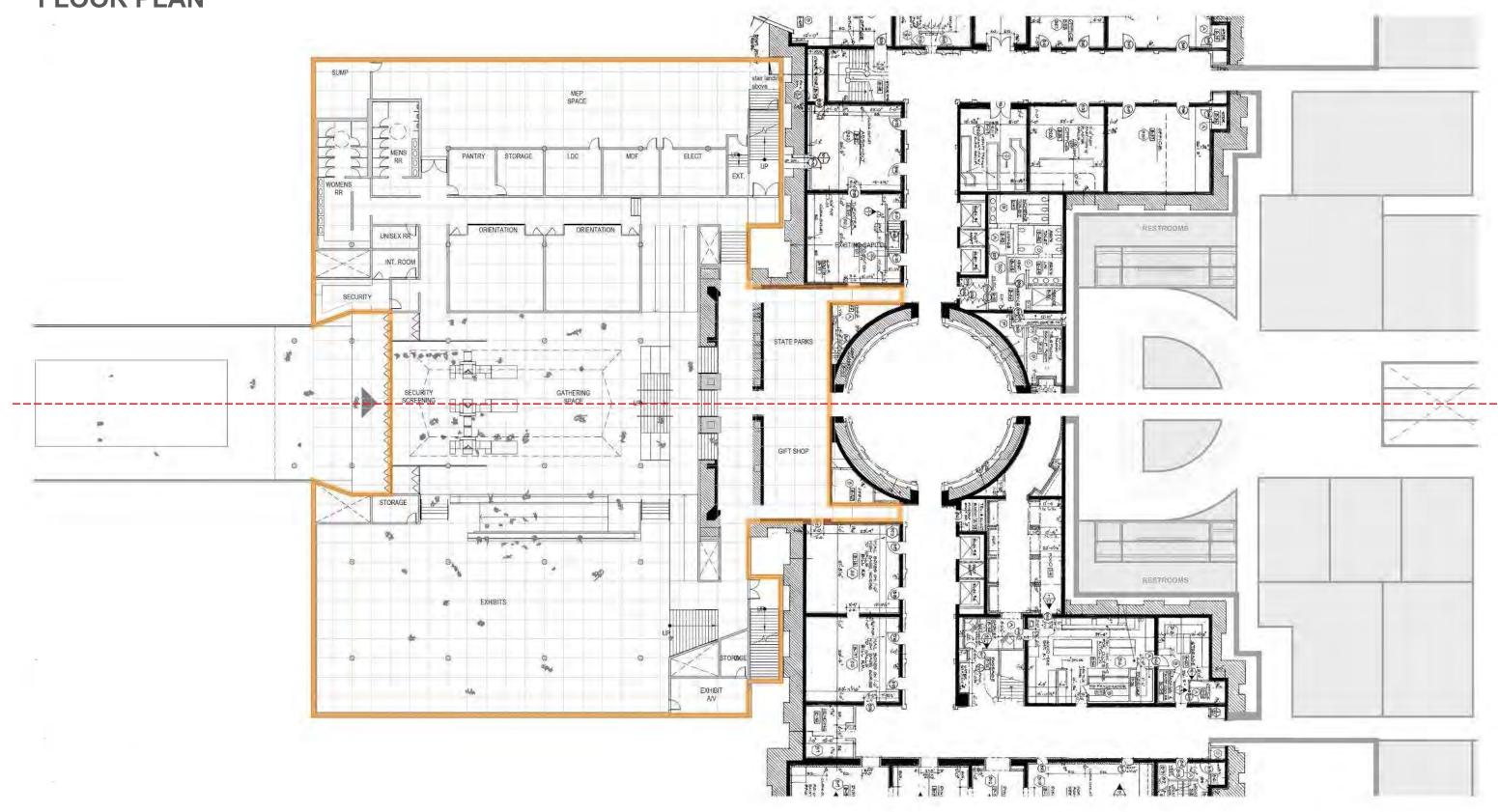


#### **MAIN ENTRY**



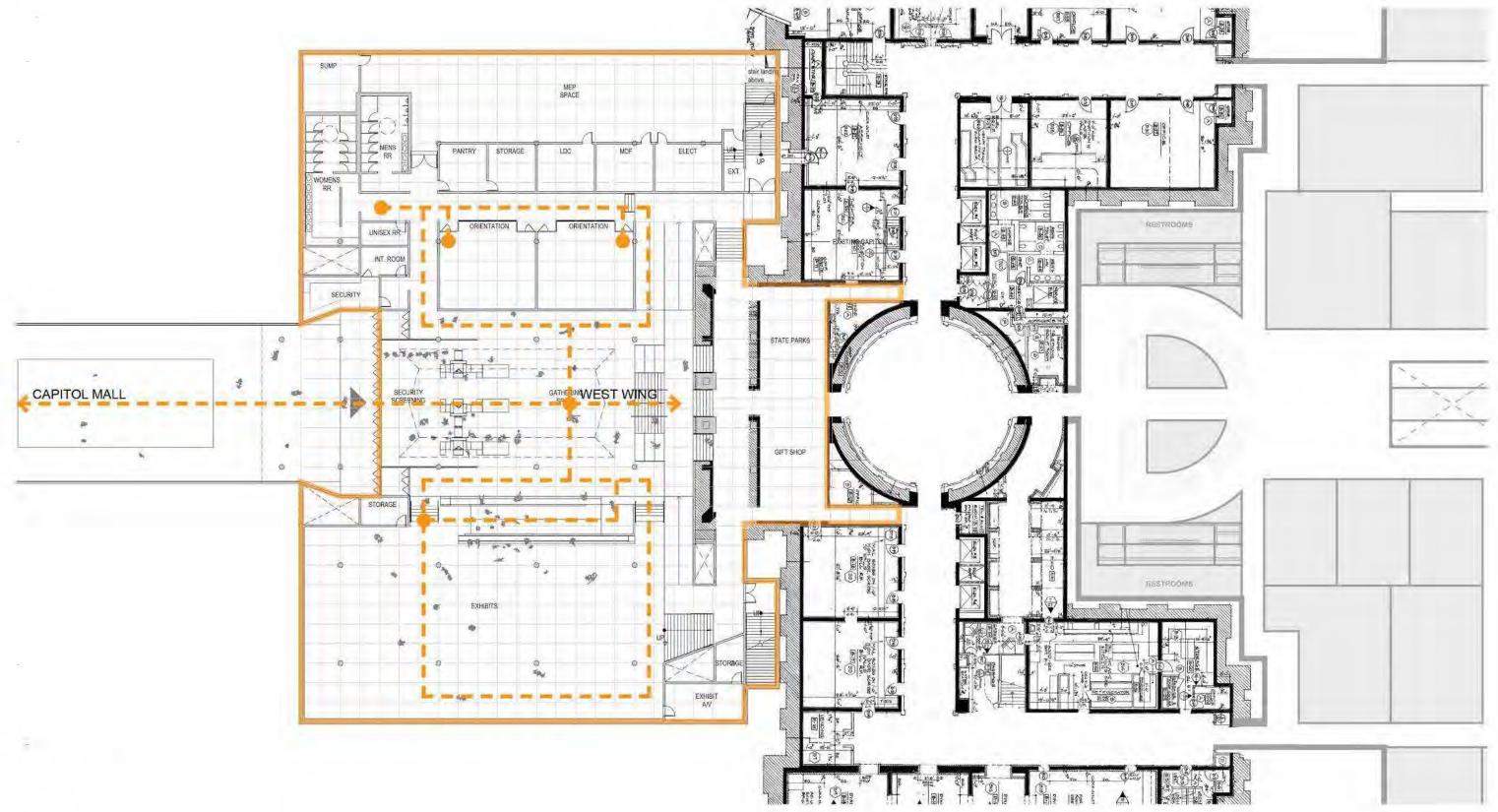


## VISITOR CENTER FLOOR PLAN



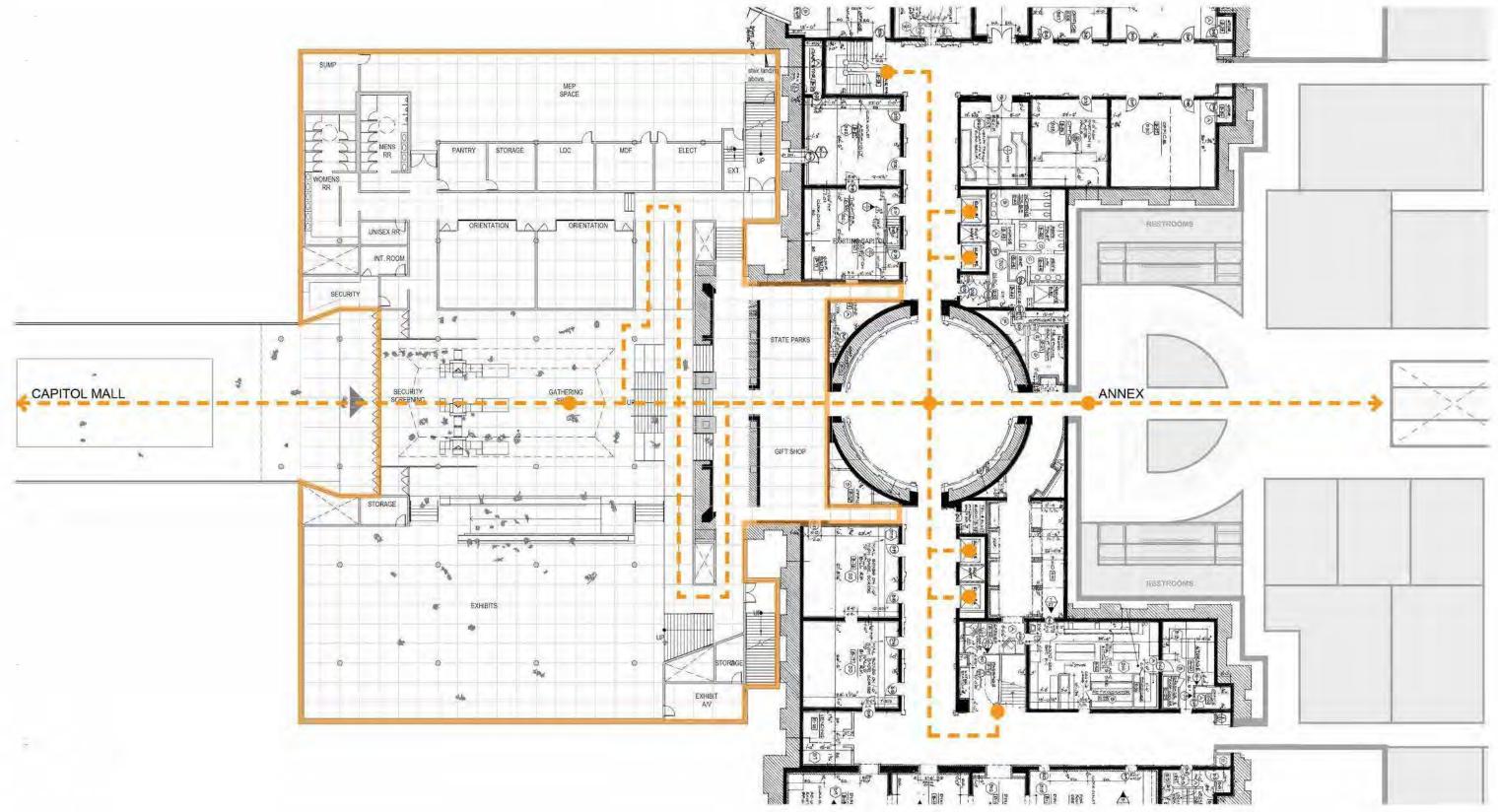


#### **FLOOR PLAN - INTERIOR CIRCULATION**



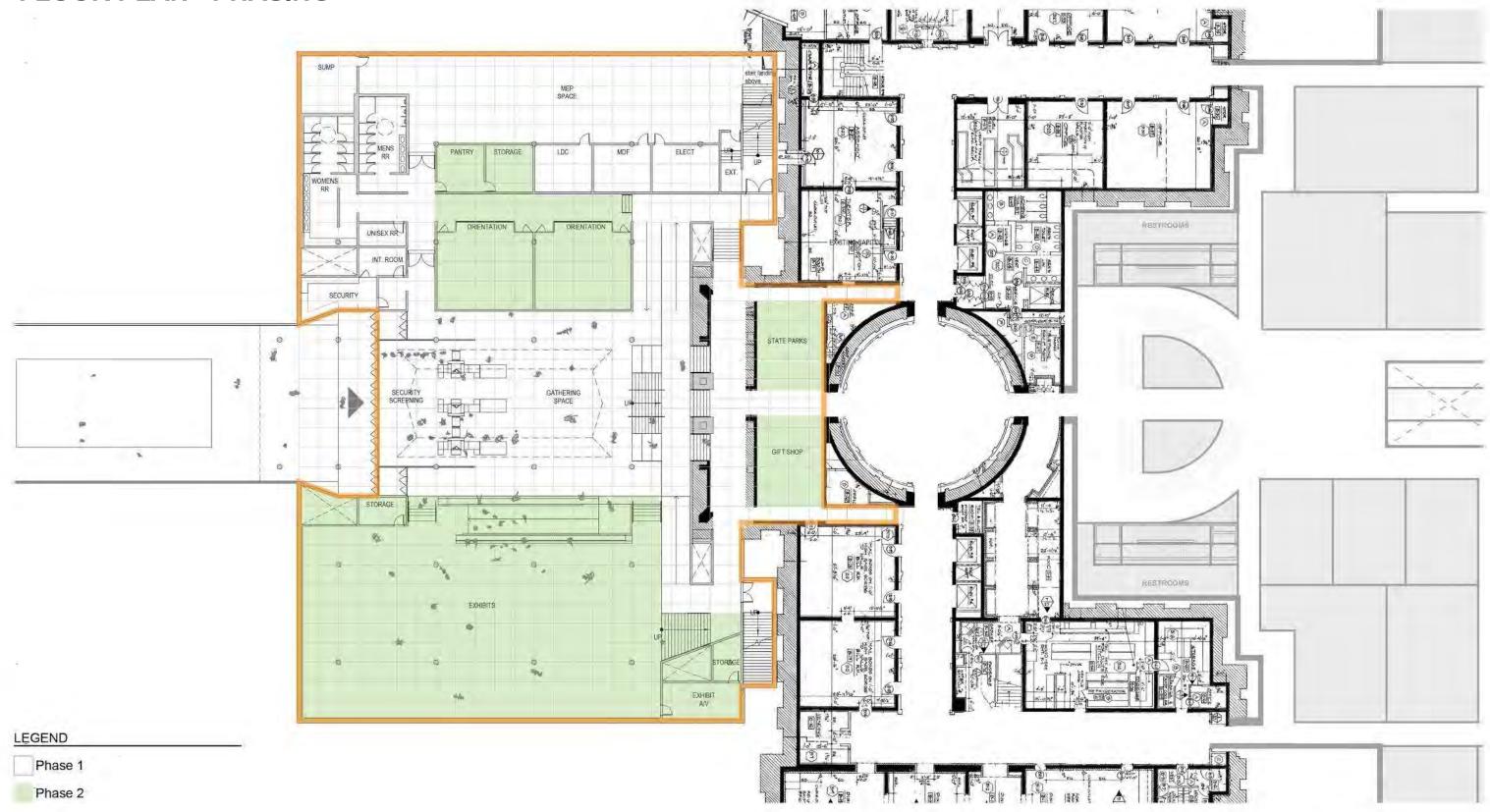


#### FLOOR PLAN - THROUGH CIRCULATION



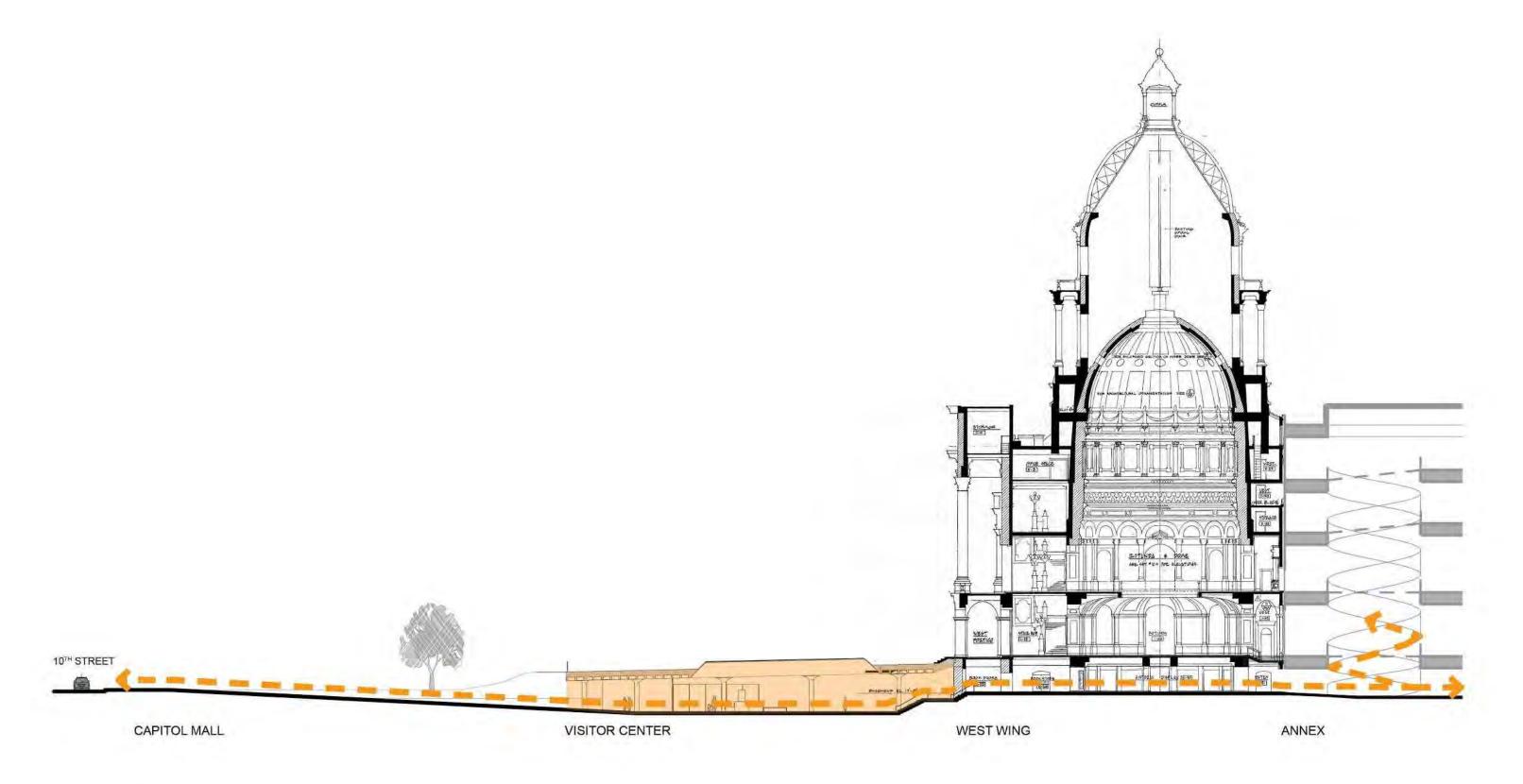


#### **FLOOR PLAN - PHASING**





## VISITOR CENTER **SECTION**





#### **QUEUING LOOKING TOWARDS WEST WING**





#### **QUEUING LOOKING UP TOWARDS DOME**



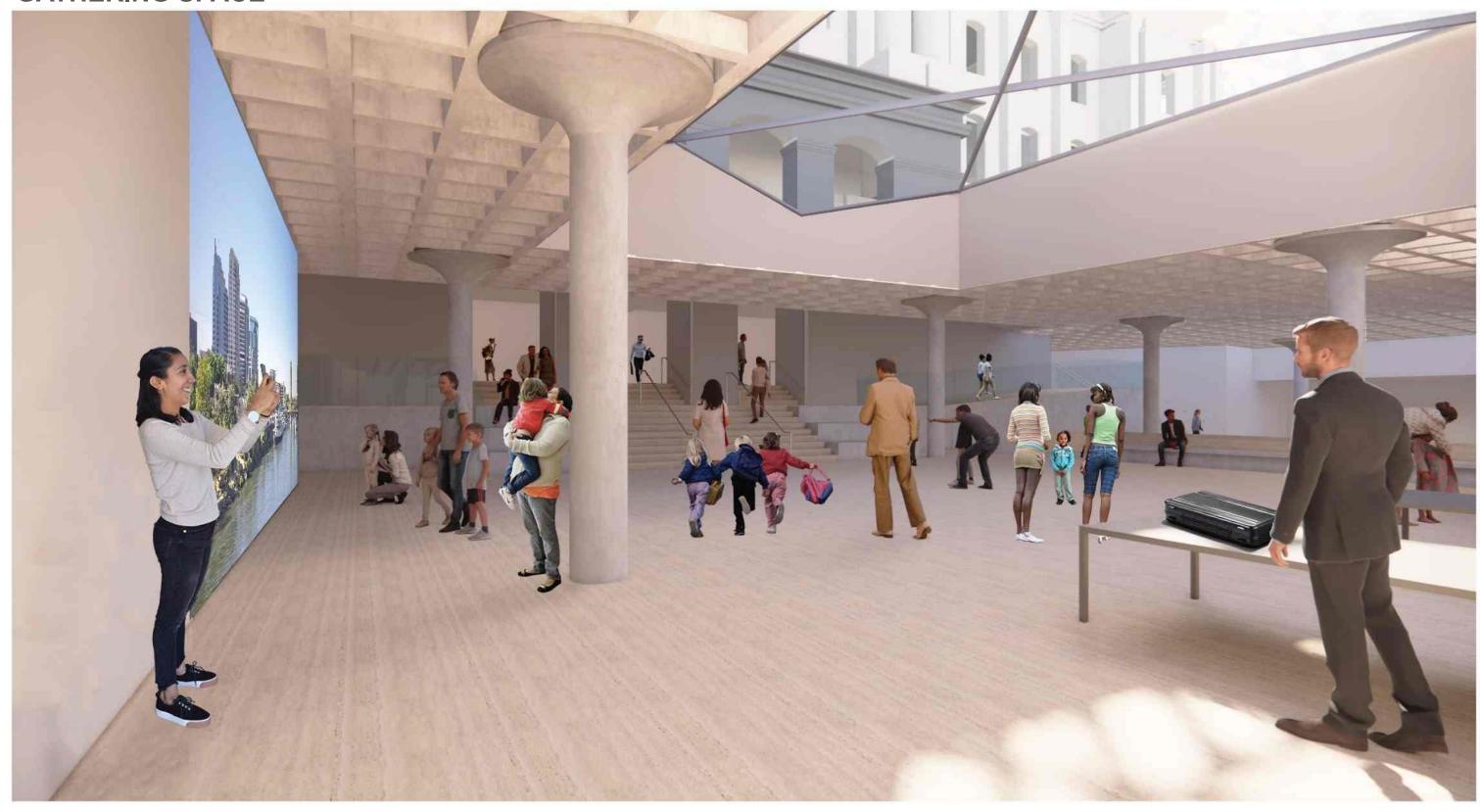


#### **EXHIBITS ENTRY LOOKING TOWARDS GATHERING SPACE**



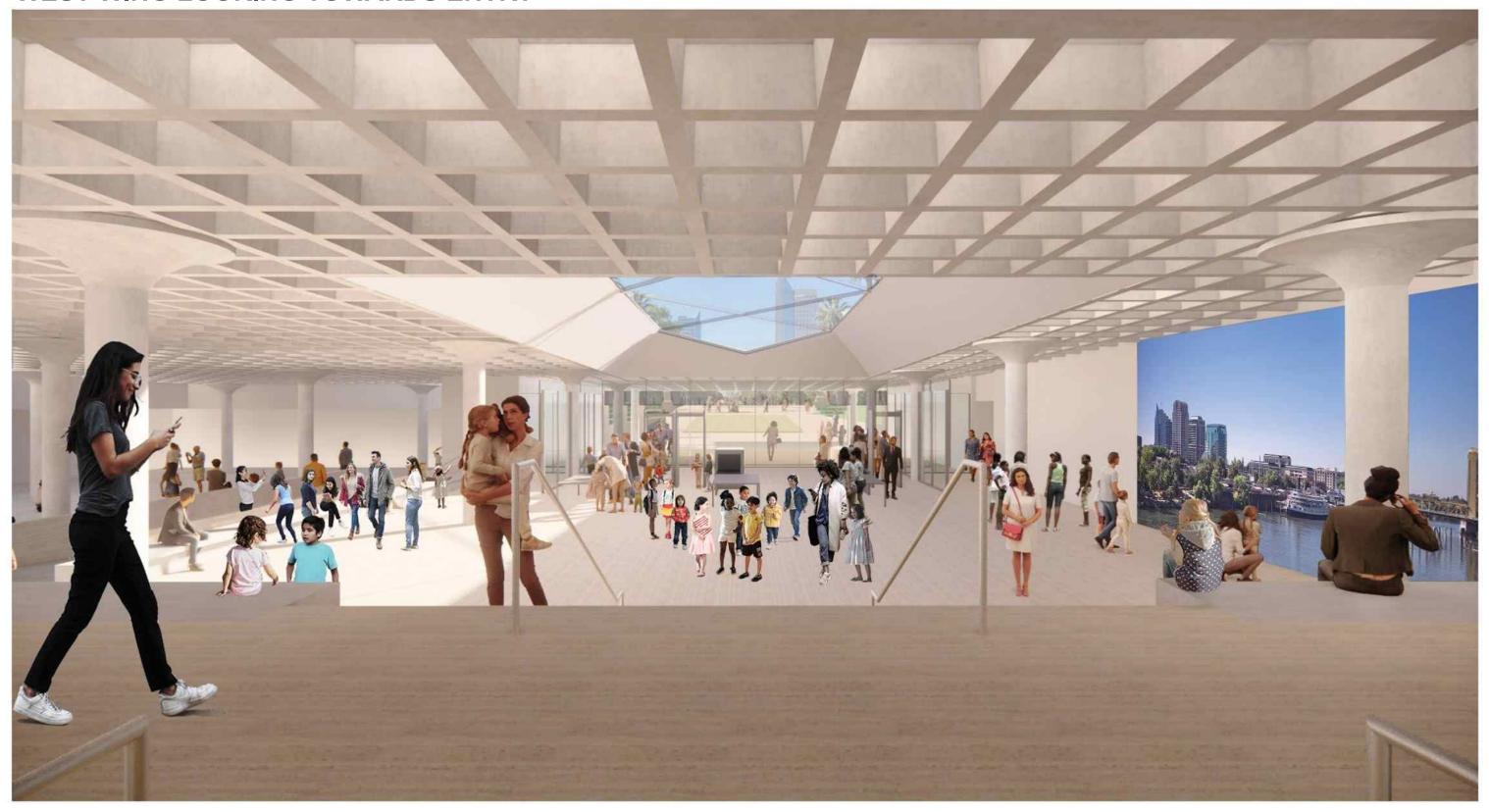


#### **GATHERING SPACE**



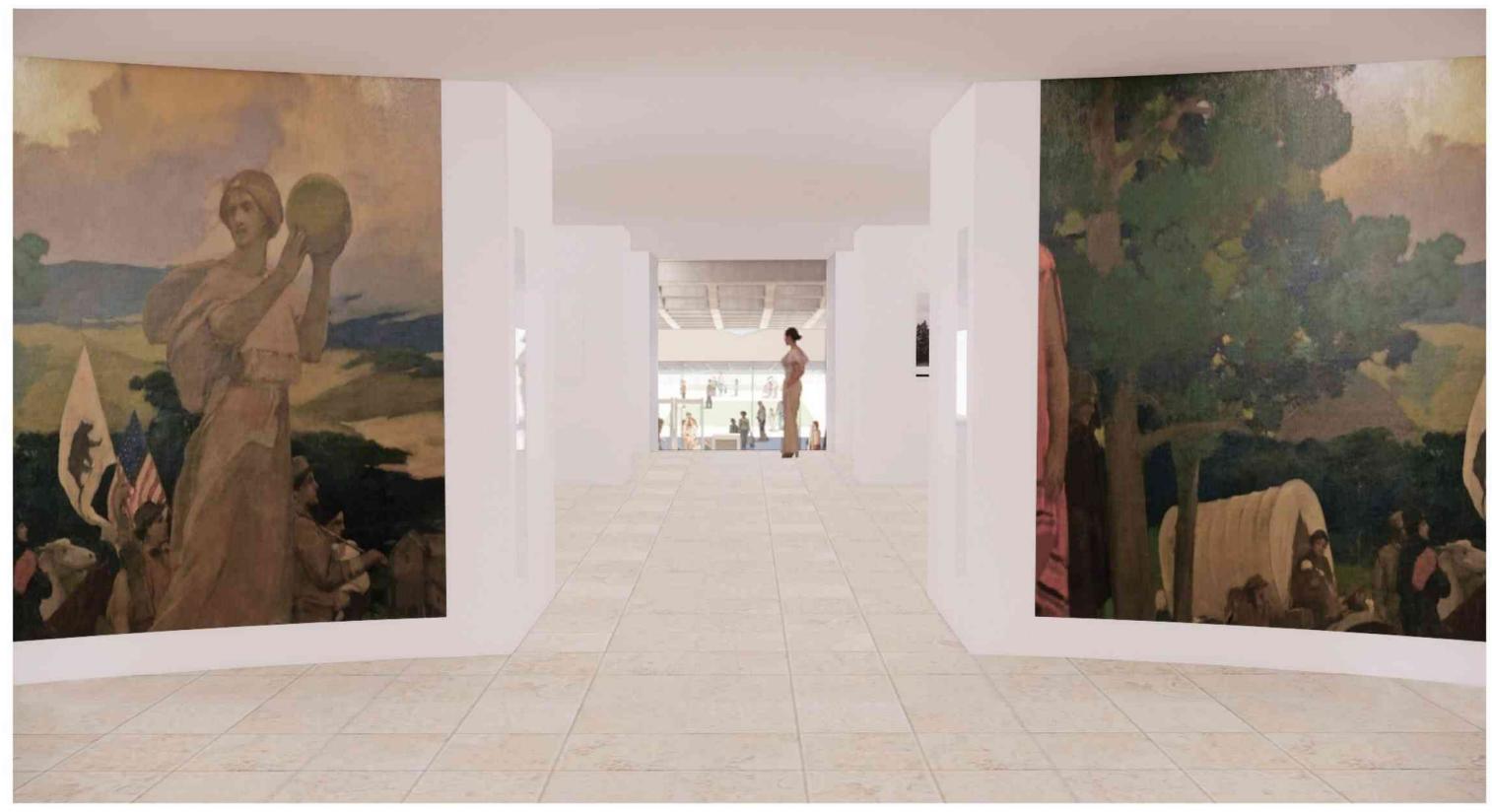


#### WEST WING LOOKING TOWARDS ENTRY





#### WEST WING LOOKING TOWARDS ENTRY





## VISITOR CENTER IMPACTS ON NEW CAPITOL ANNEX

#### **Importance of the Visitor Center**

Deconflict the Annex by separating the school group, tourist, and visiting public from those who come to the Capitol to work daily. This separation provides for:

- Improved Circulation Today's Annex arrival area is very congested with tourist and work day activities.
- Improved Student Learning Current exhibits lack updated content about California and democracy.
- Improved Function More usable square feet for office functions.









#### The Visitor Center Budget is divided into two phases

- 1. The Building Structure: restroom, circulation, security, gathering space and future exhibit spaces
- 2. The Exhibits and supporting construction

Phase	Scope	POS Budget	<b>Current Estimate</b>	Status
Phase One	The Building Structure: Entry, Security, Oversized Restrooms, Gathering Spaces and Future Exhibit Spaces	\$32,210,831.00	\$40,810,600.00	On Hold due to COVID Budget Issues
Phase Two	Orientation Rooms, Exhibit Rooms and Spaces*		\$11,500,000.00*	Unfunded*
	Exhibits and Displays *		\$27,000,000.00*	Unfunded*

<sup>\*</sup> Estimate is dependent upon decision yet to be made concerning content, presentation format including technology and degree of interactivity desired.



#### Implication of having the Visitor Center on Hold

The Annex must absorb all the student groups, tourists and visiting public with the daily working public.

- The east entry will need to be increased, to ease congestion and to allow for large student groups,
   tourists and visiting public to enter along with the working public.
- Additional restroom space must be provided by the east, north and south entries to provide this
  needed service to the student groups, tourist and visiting public who have traveled long distances.
- The central circulation of the Annex will need to be increased to accommodate this added load of over 1 Million visitors a year.

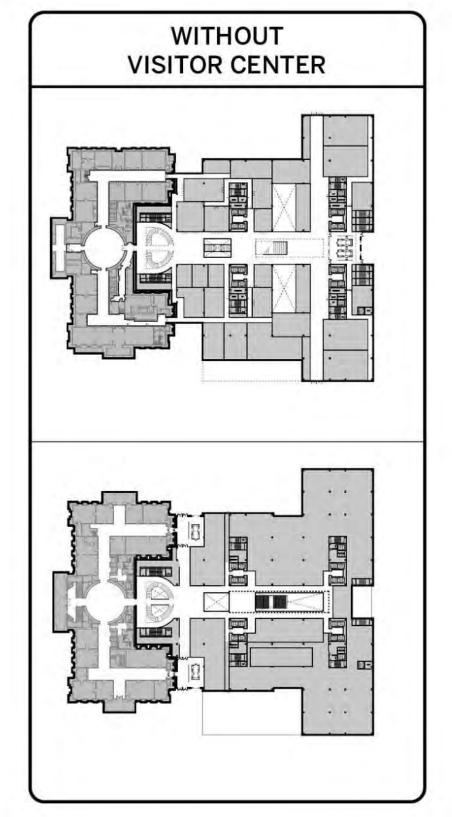
#### Cost to the Annex of Placing the Visitor Center on Hold

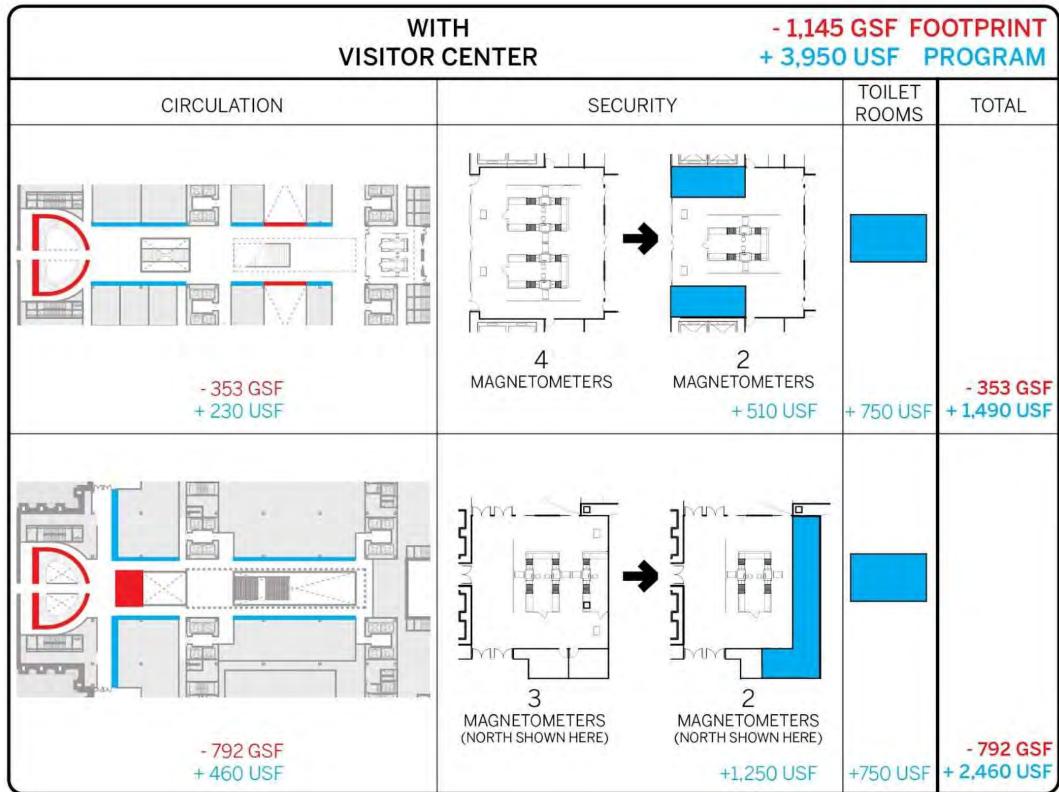
• The Annex must increase by approximately 5,400 sf of space at a cost of \$6,000,000.



#### NO VISITOR CENTER IMPLICATIONS

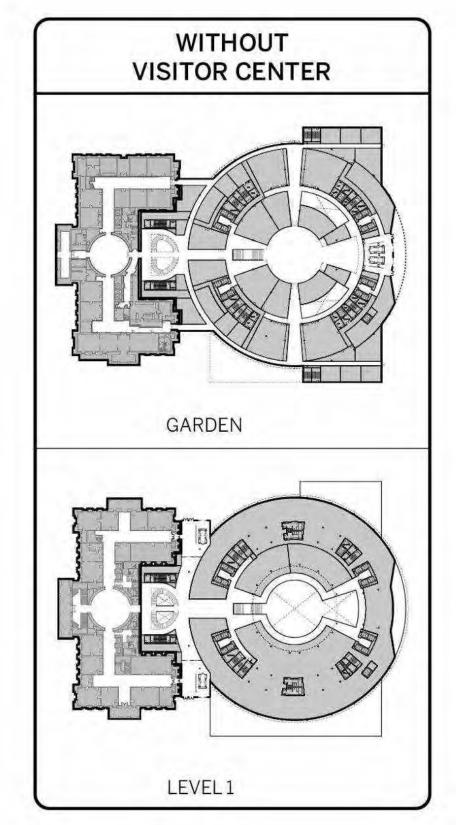
#### **DOUBLE T**

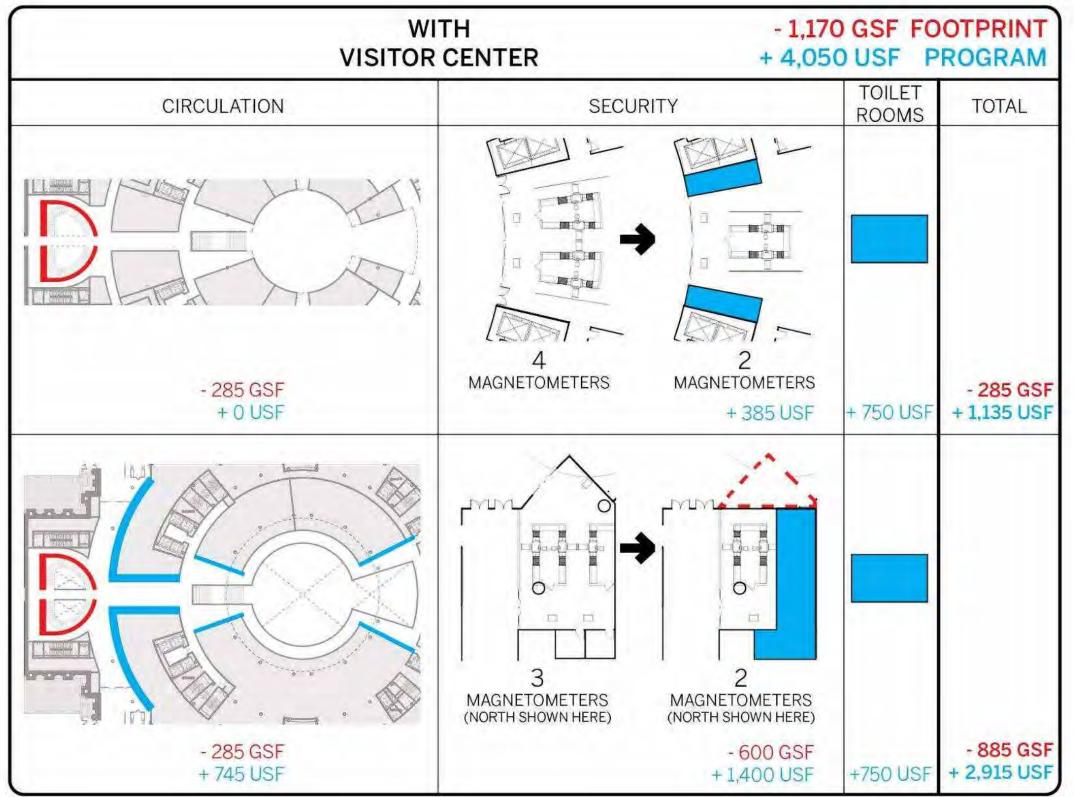




#### NO VISITOR CENTER IMPLICATIONS

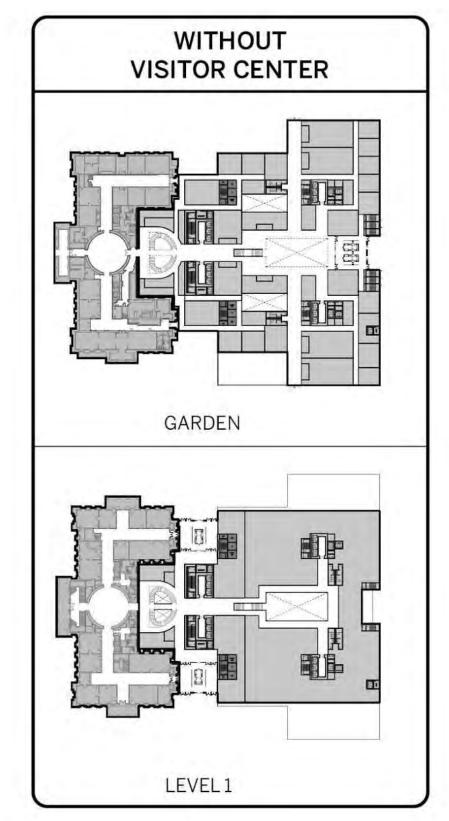
#### CIRCLE

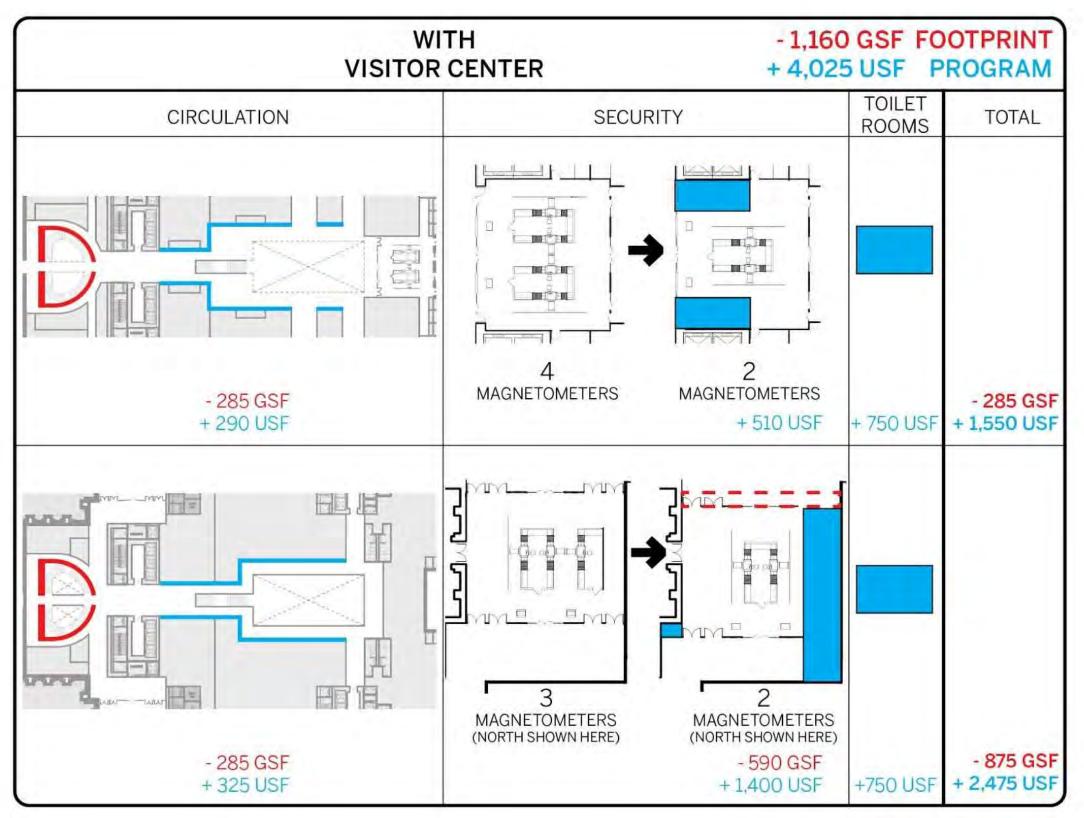




#### NO VISITOR CENTER IMPLICATIONS

**SQUARE** 





#### Annex Cost Savings and Usable SF Gains if Visitor Center is Built

#### **Double T Option**

- Cost Savings: 1,145 GSF Approximately \$1,260,000

+ Usable SF Gain: 3,950 SF Gained for Legislature (Garden Level) and Executive (First Floor)

#### **Circle Options**

- Cost Savings: 1,170 GSF Approximately \$1,300,000

+ Usable SF Gain: 4,050 SF Gained for Legislature (Garden Level) and Executive (First Floor)

#### **Square Options**

- Cost Savings: 1,160 GSF Approximately \$1,275,000

+ Usable SF Gain: 4,650 SF Gained for Legislature (Garden Level) and Executive (First Floor)



#### **Request of the Joint Rules Committee**

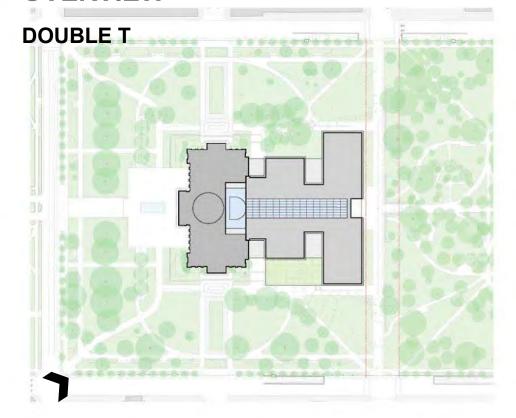
Direction on moving forward with the Visitor Center or to continue with it on hold.

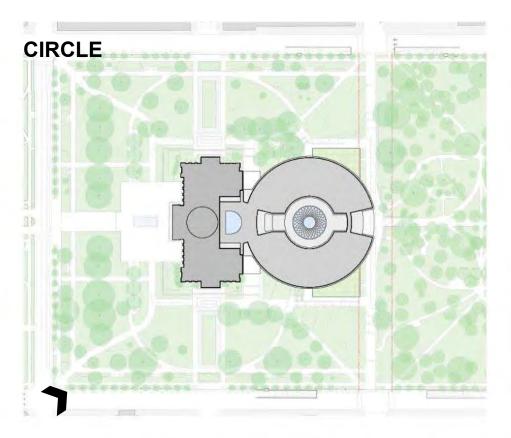


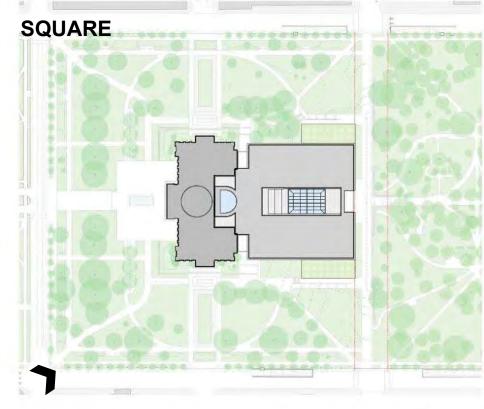
# NEW CAPITOL ANNEX CONCEPTS

#### **NEW CAPITOL ANNEX**

#### **OVERVIEW**





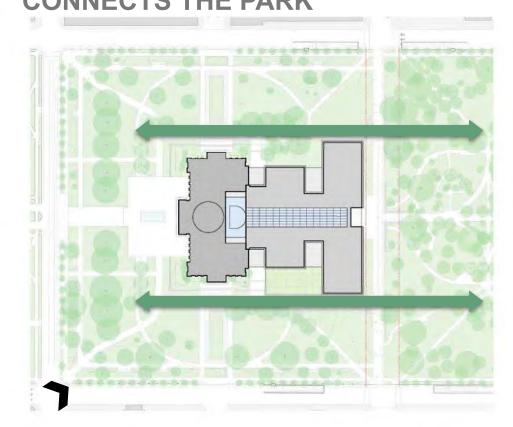


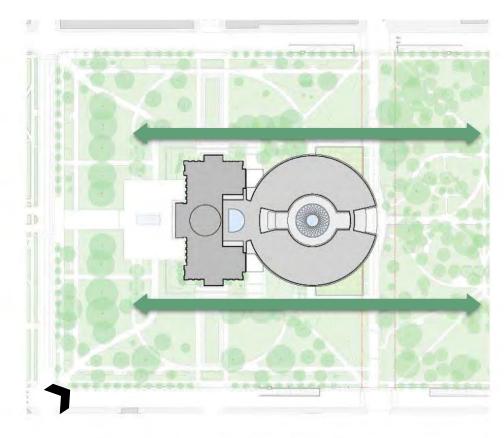


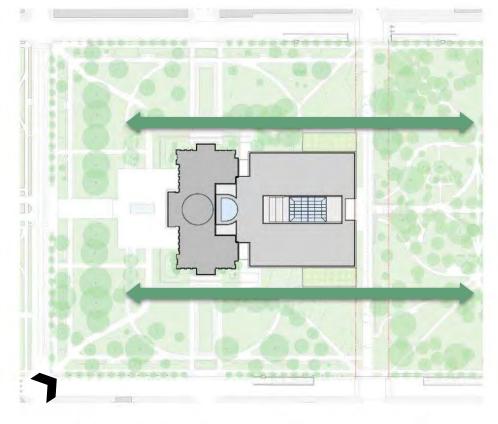




#### **NEW CAPITOL ANNEX CONNECTS THE PARK**







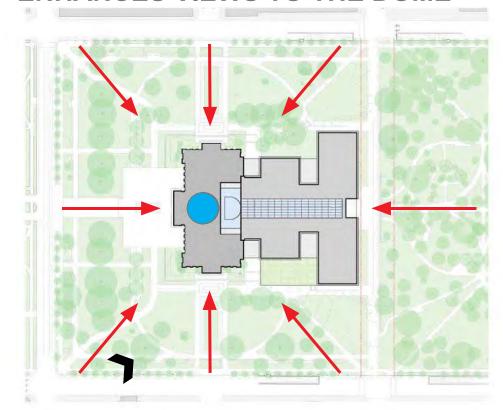


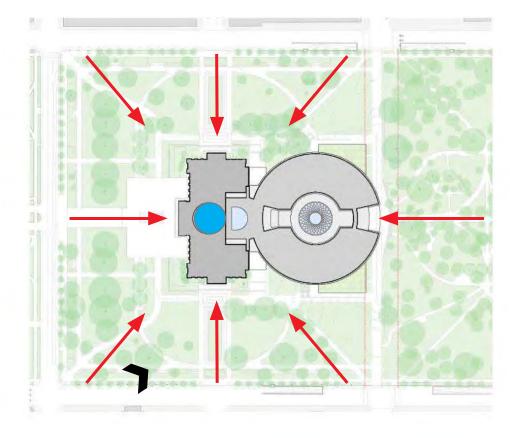


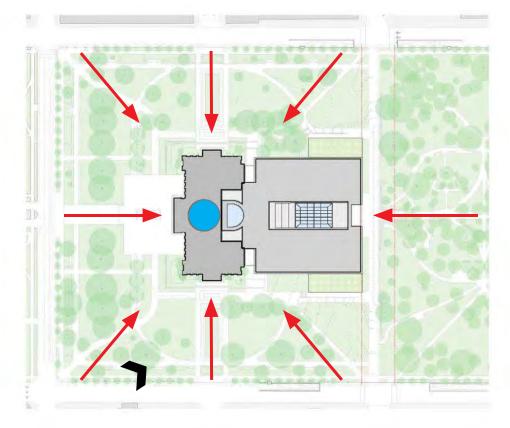


#### NEW CAPITOL ANNEX

#### **ENHANCES VIEWS TO THE DOME**







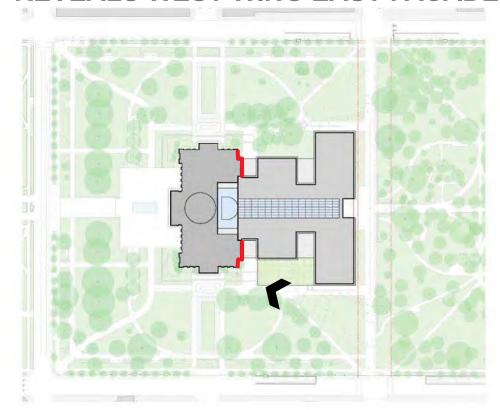


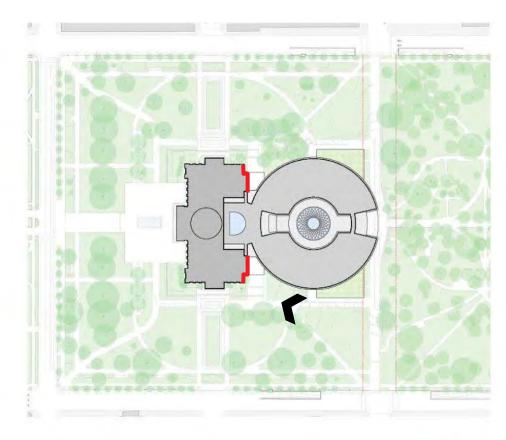


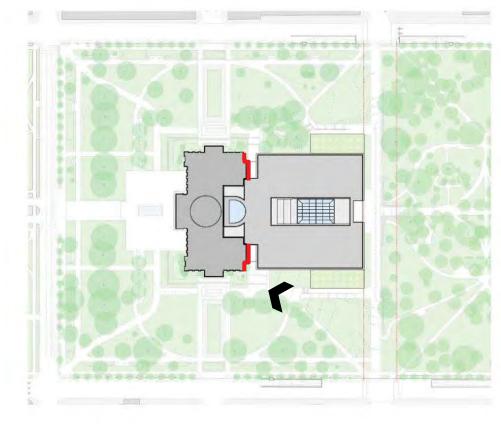


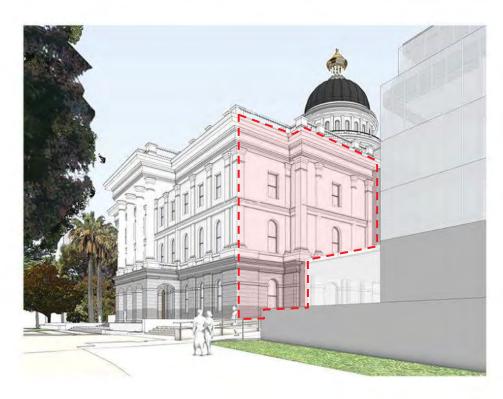
#### NEW CAPITOL ANNEX

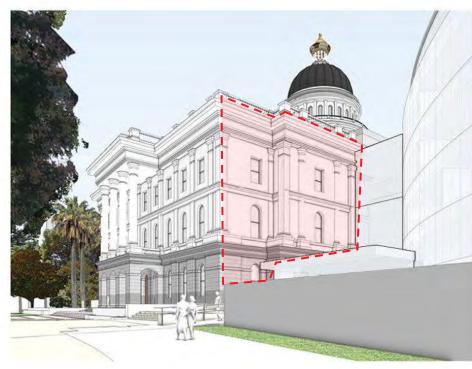
#### **REVEALS WEST WING EAST FACADE**





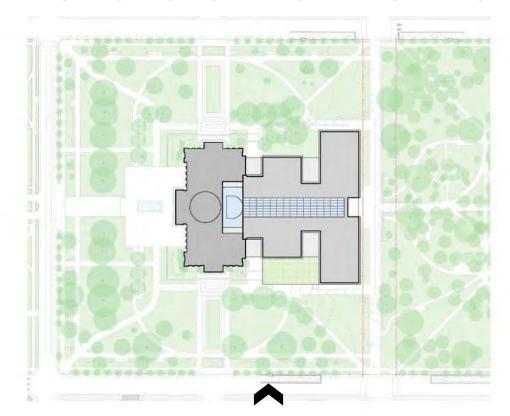


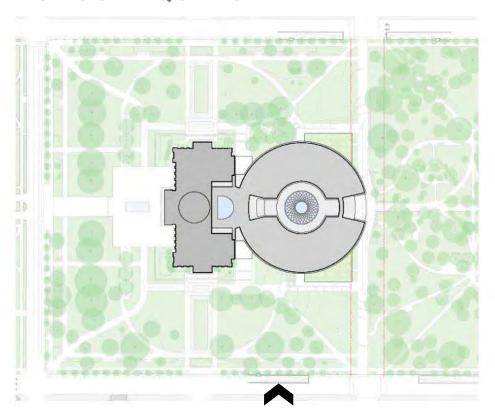


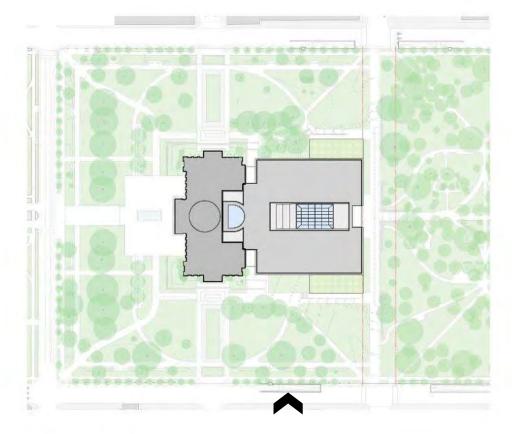


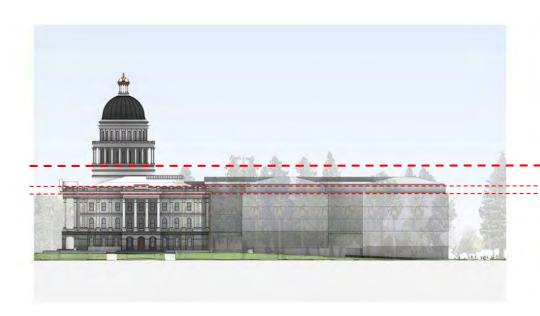


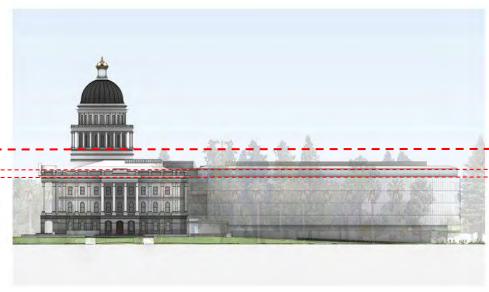
#### **RESPECTFUL OF WEST WING - FIRST AMONGST EQUALS**

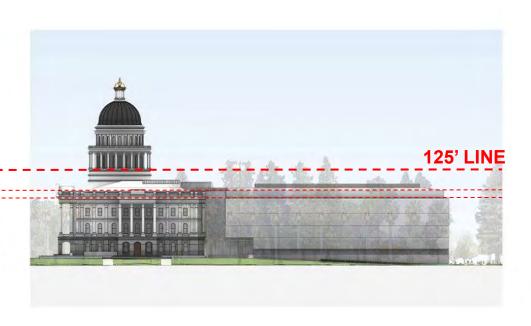




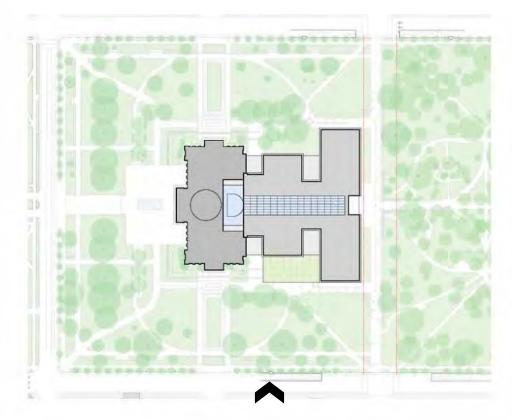


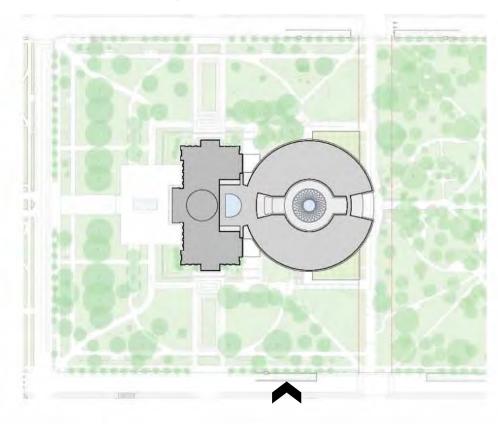


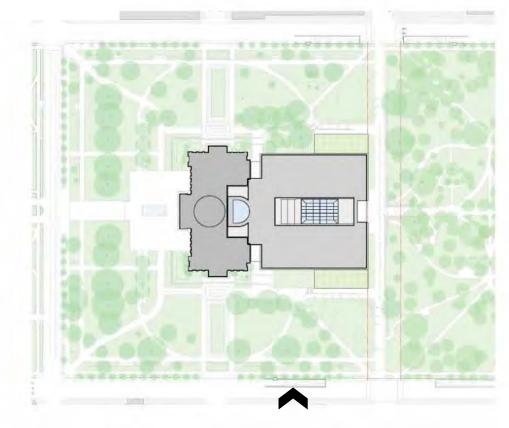




#### **RESPECTFUL OF WEST WING - FIRST AMONGST EQUALS**





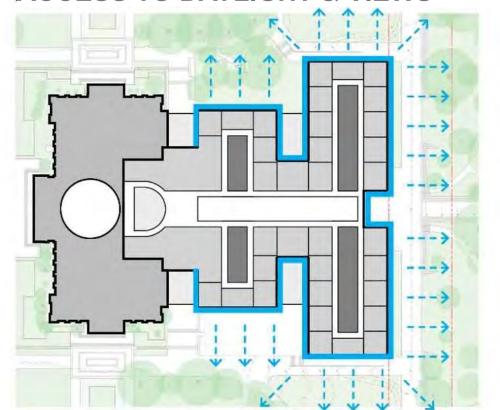


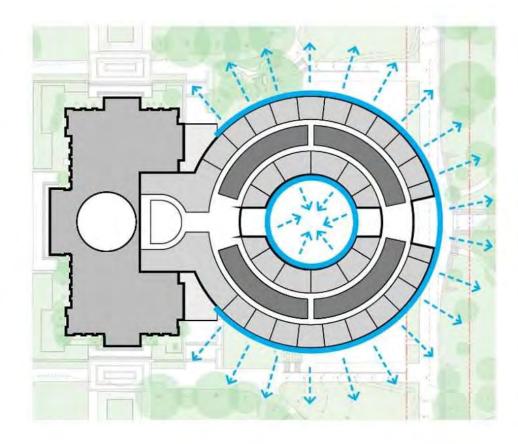


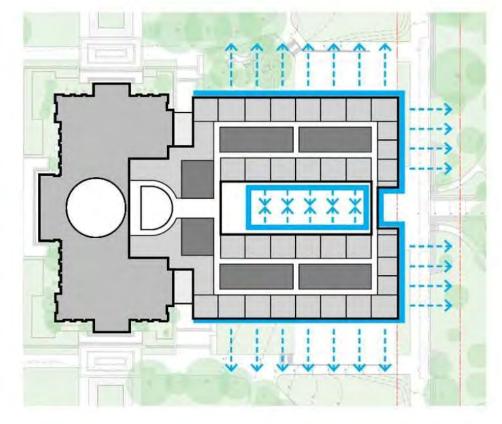


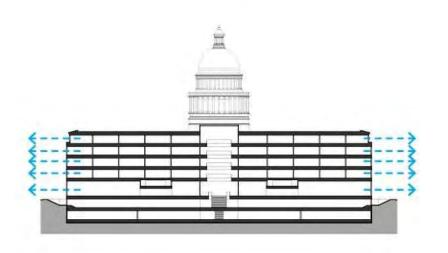


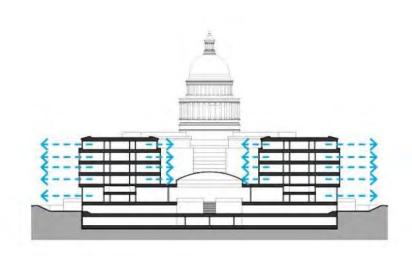
#### **ACCESS TO DAYLIGHT & VIEWS**

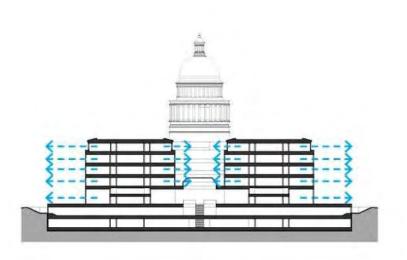




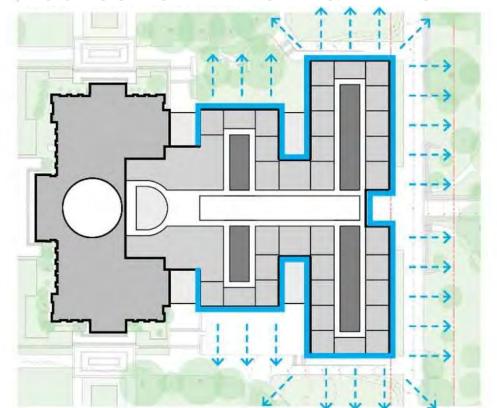


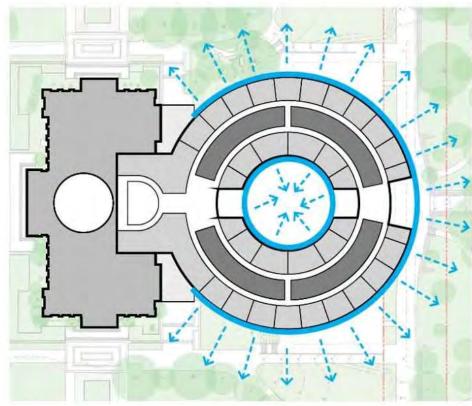


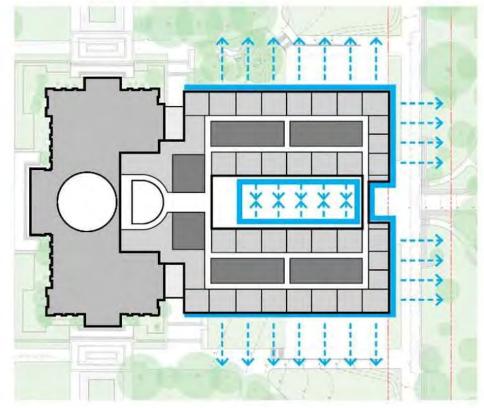




#### **ACCESS TO DAYLIGHT & VIEWS**



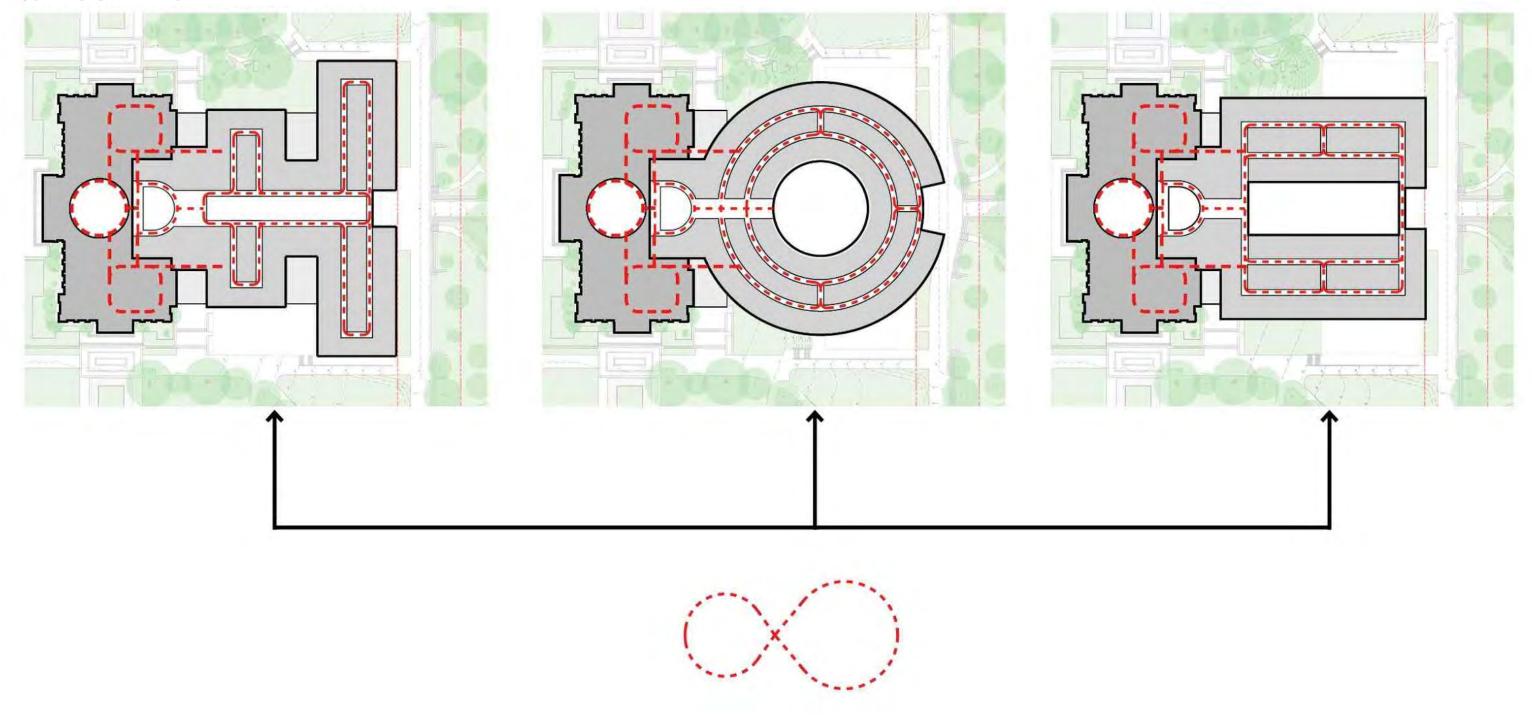




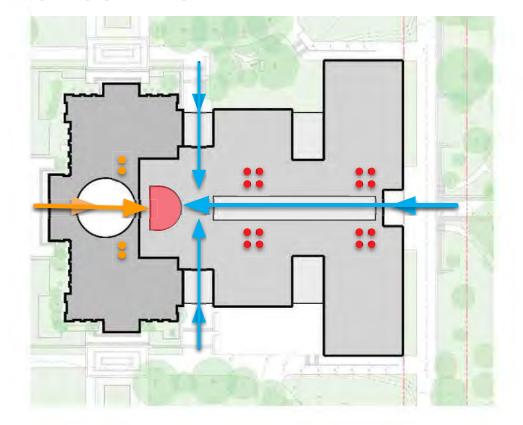


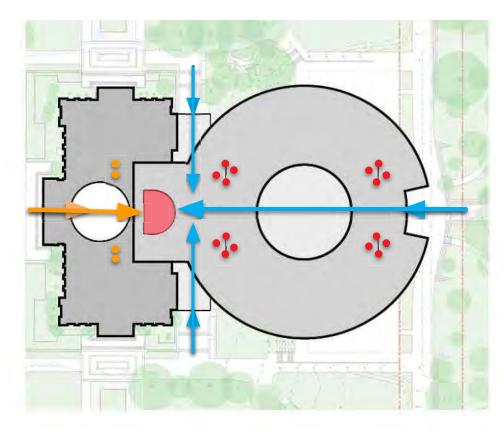


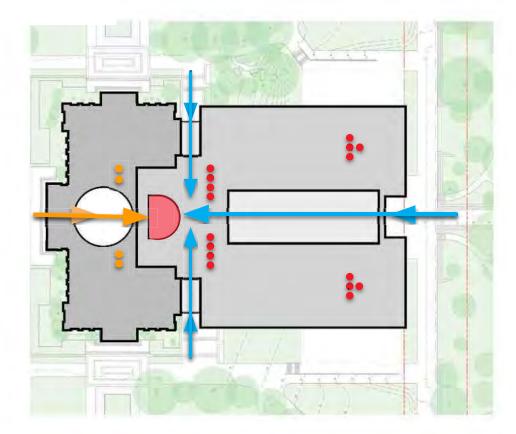
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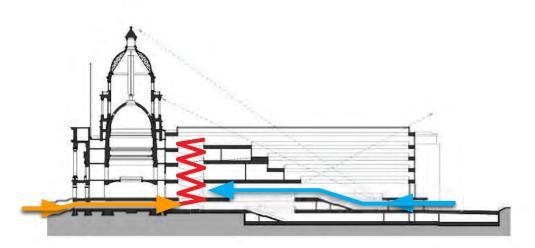


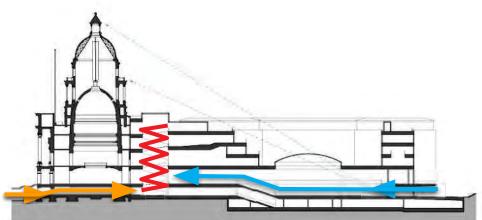
#### **CIRCULATION**

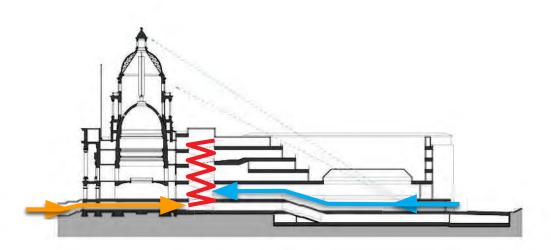




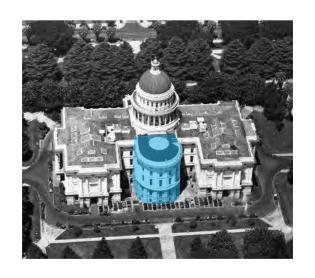


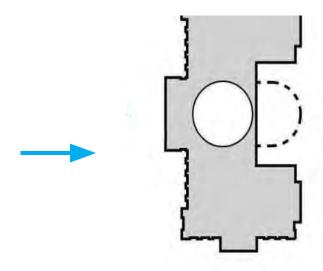


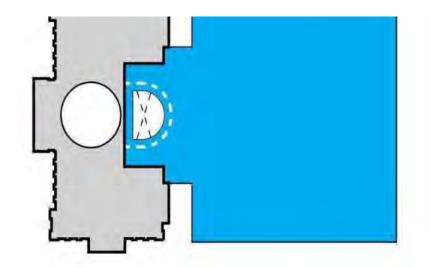


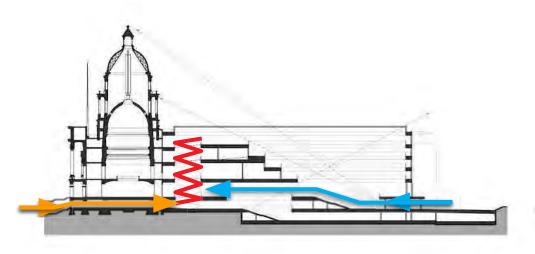


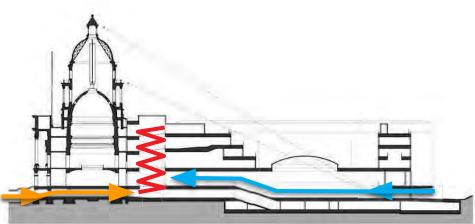
# CONCEPT SIMILARITIES & DIFFERENCES **CIRCULATION**

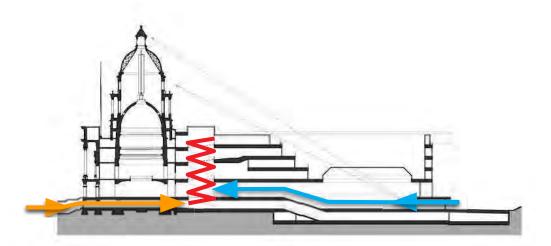




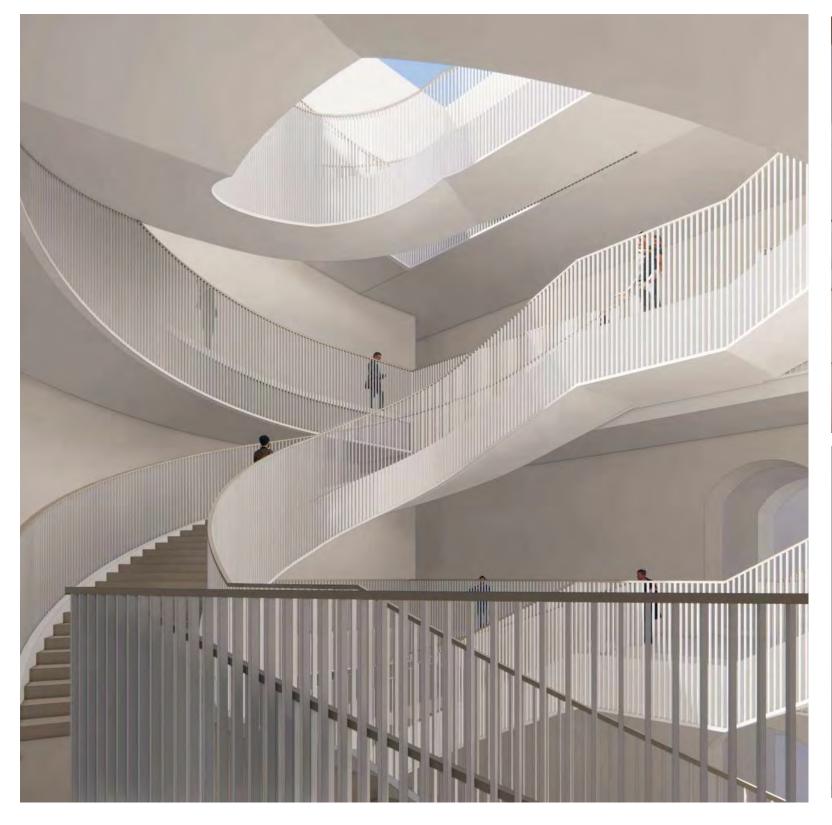








#### **APSIDAL CIRCULATION**

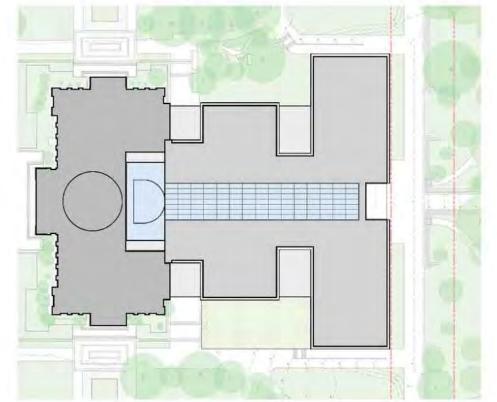


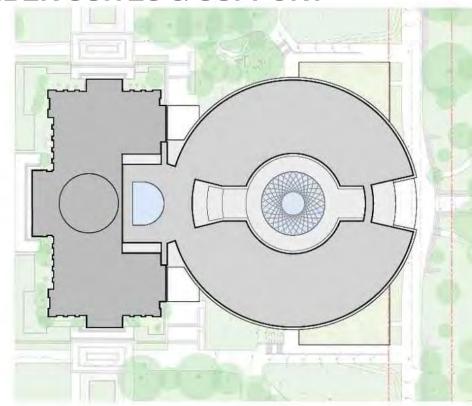


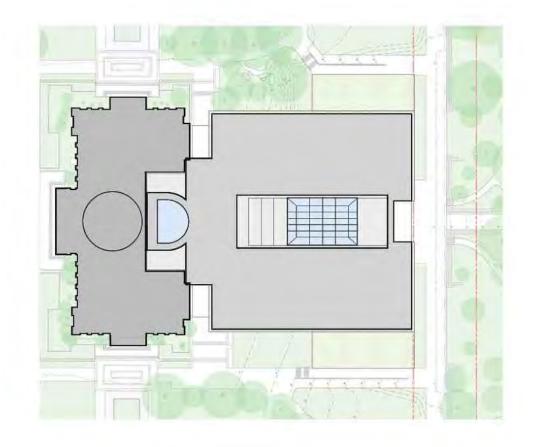


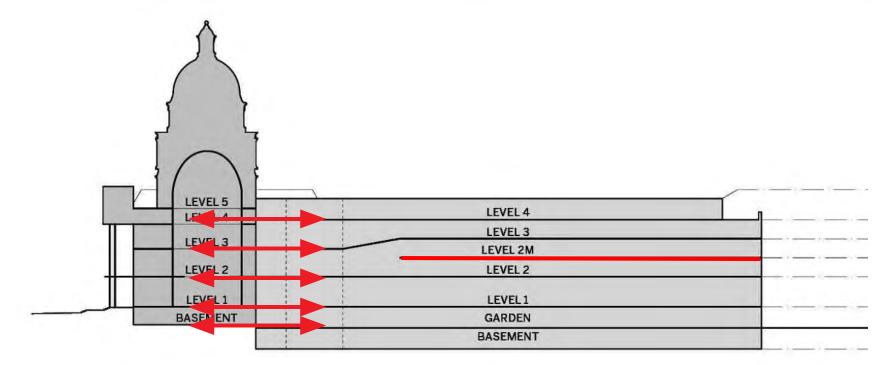
### SOMETER ALLINE & DIFFERENCES

### FYPRAAFIONMEN LEGISLATURE MEMBER SUITES & SUPPORT

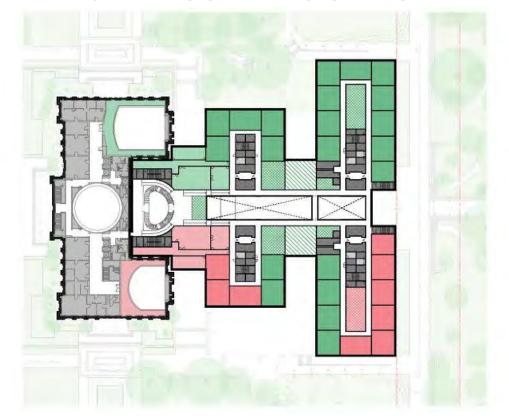


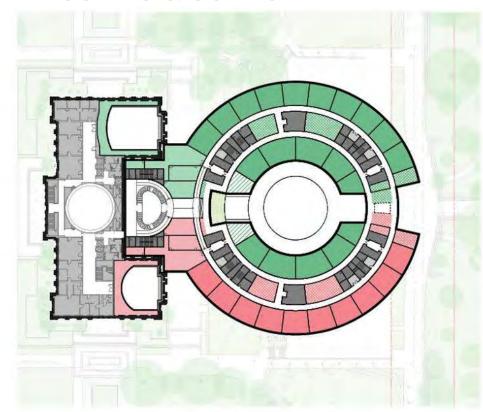


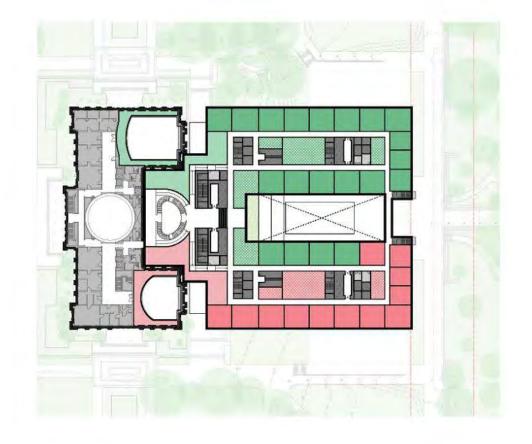


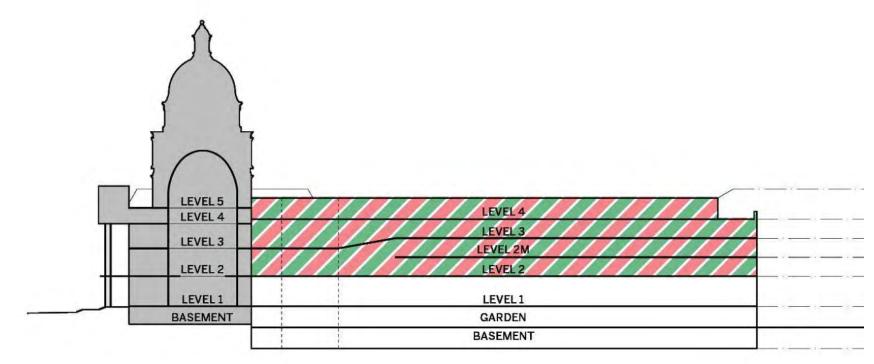


#### **TYPICAL FLOOR - LEGISLATURE MEMBER SUITES & SUPPORT**

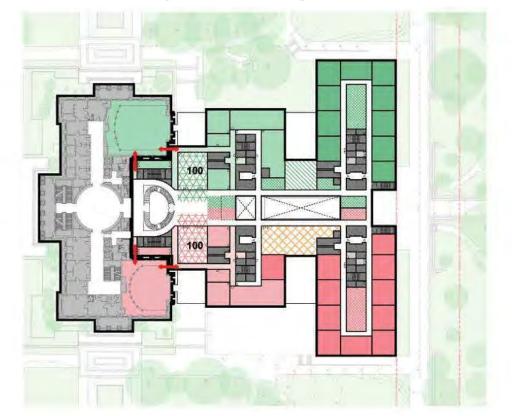


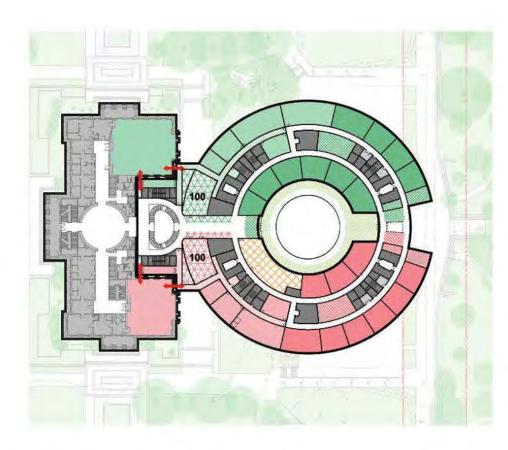


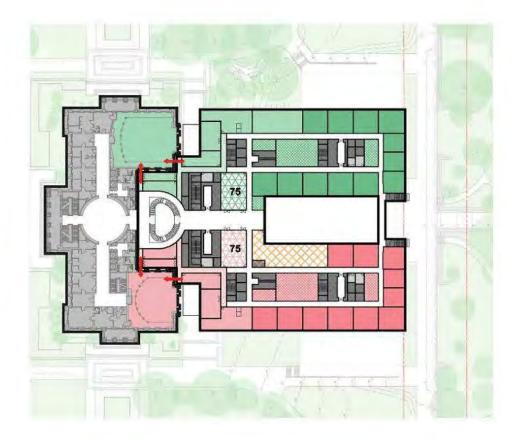


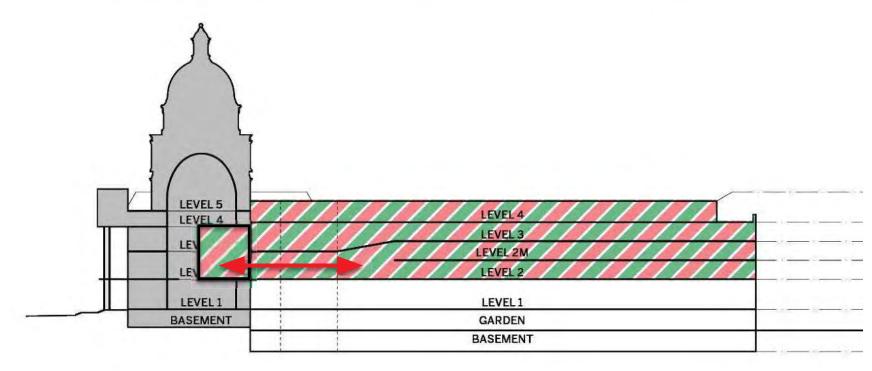


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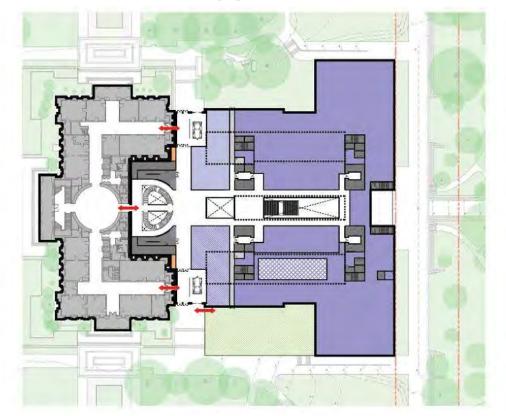


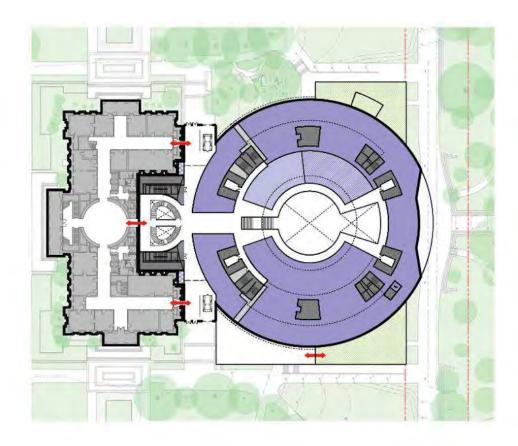


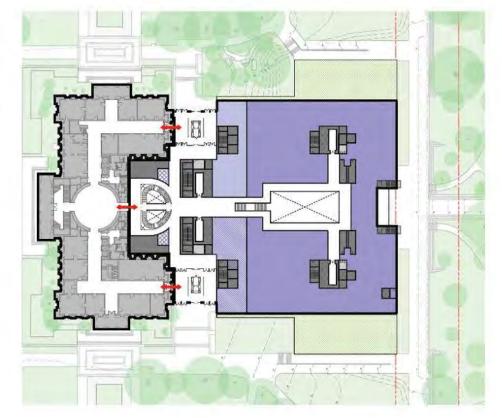


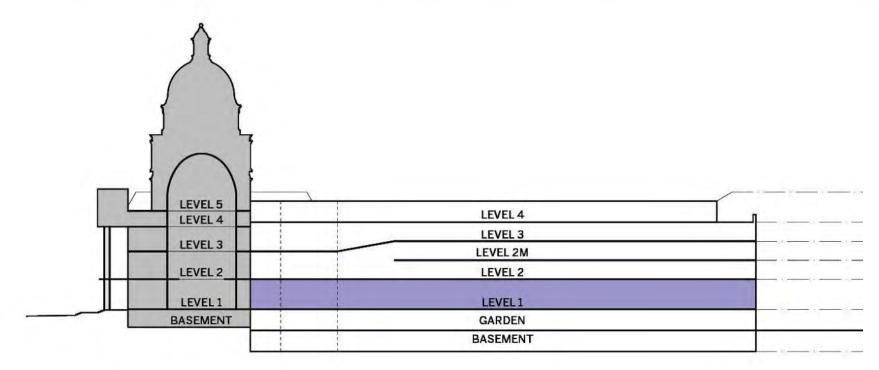


#### **LEVEL 1 - EXECUTIVE**

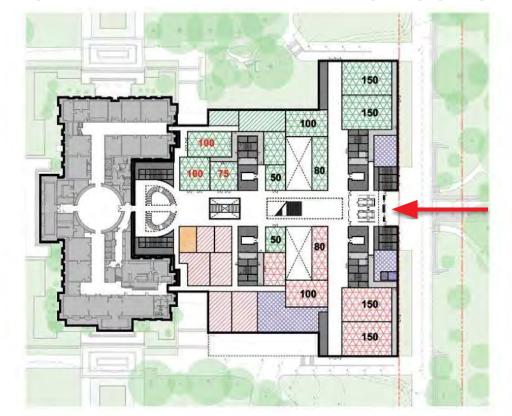


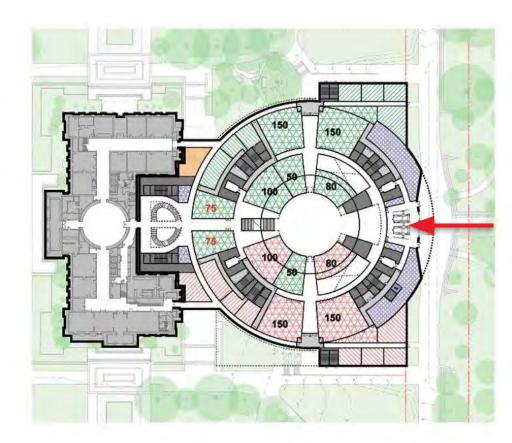


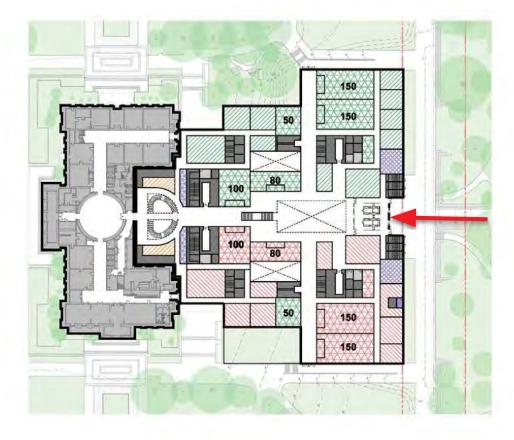


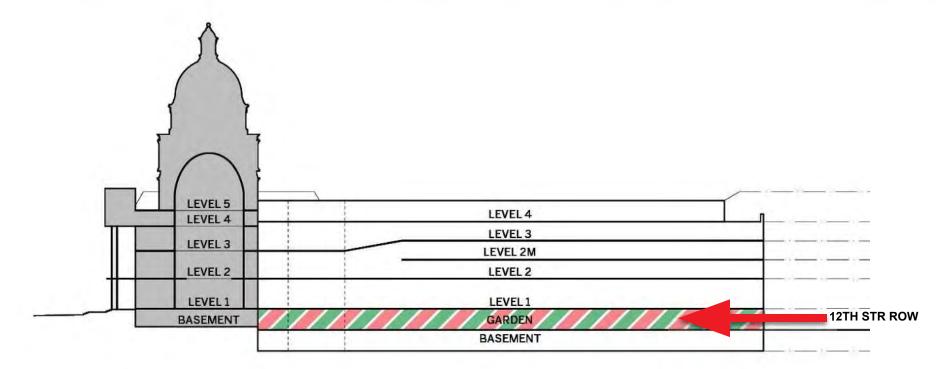


#### **GARDEN LEVEL - HEARING ROOMS**



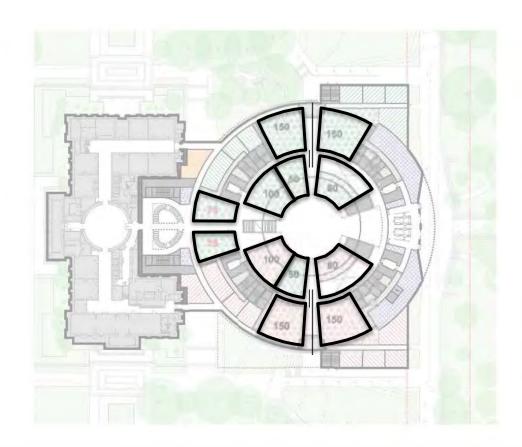


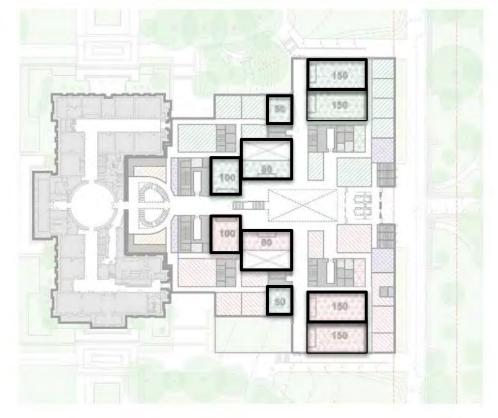


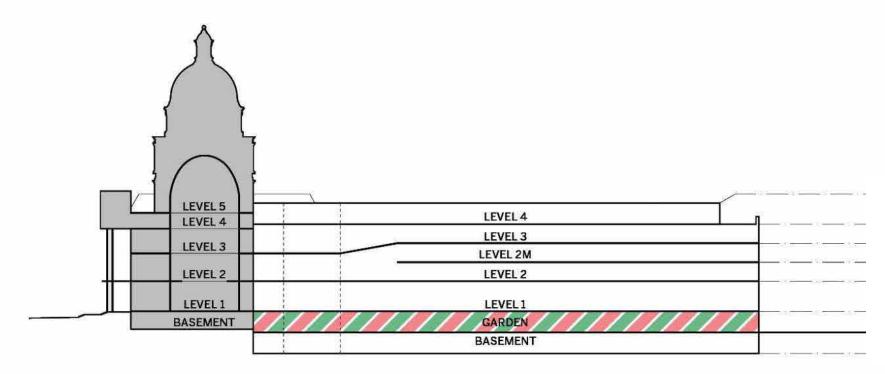


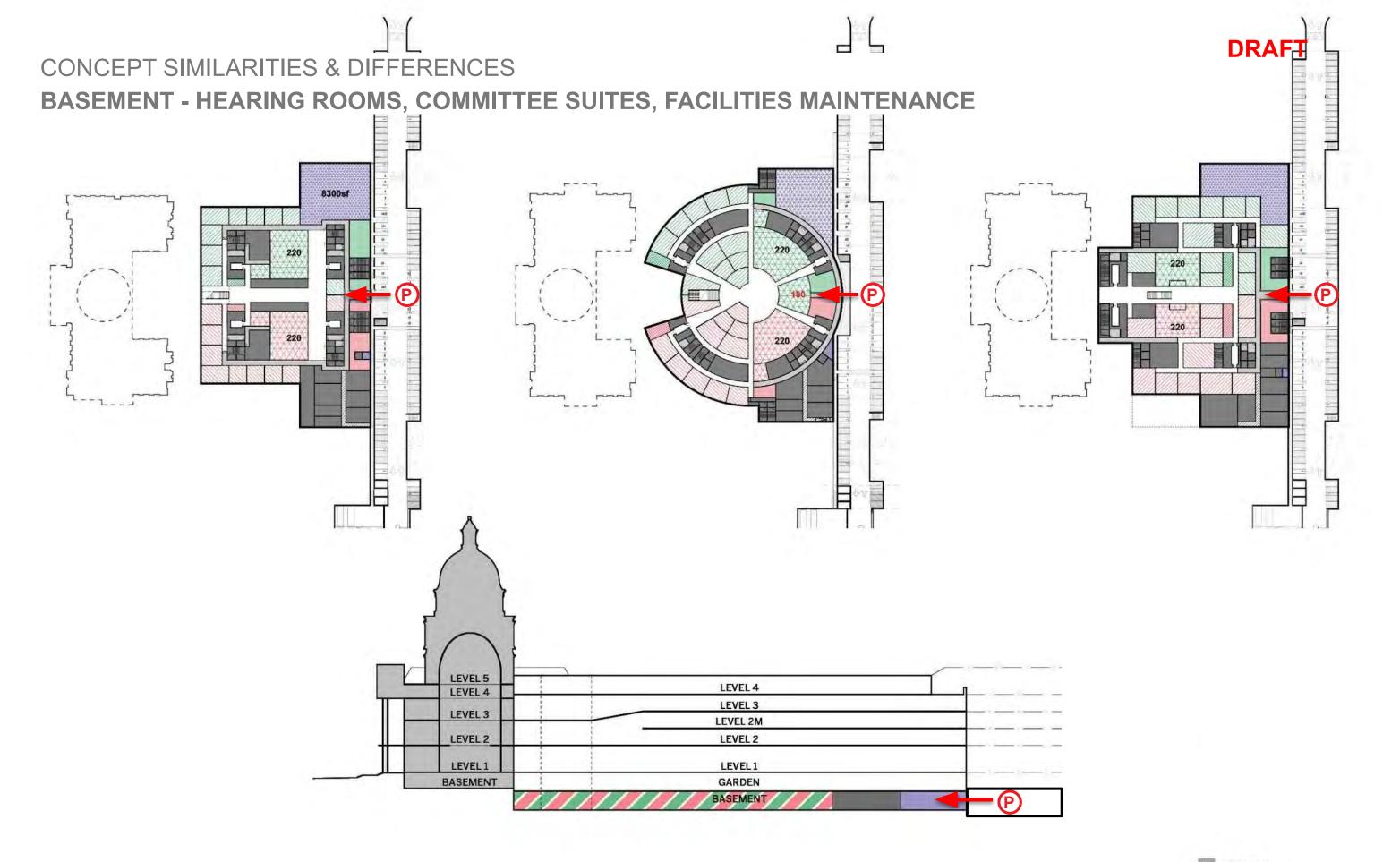
### **GARDEN LEVEL - HEARING ROOMS**



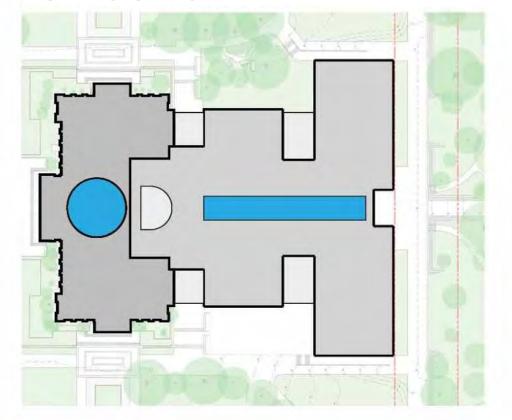


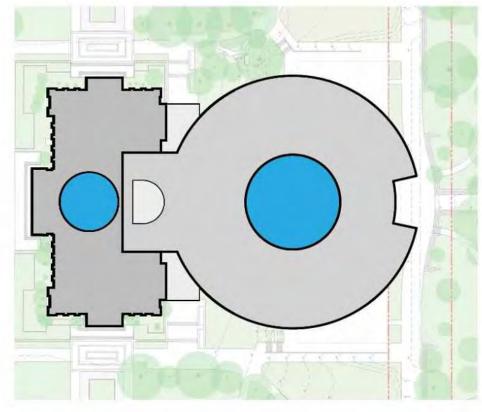


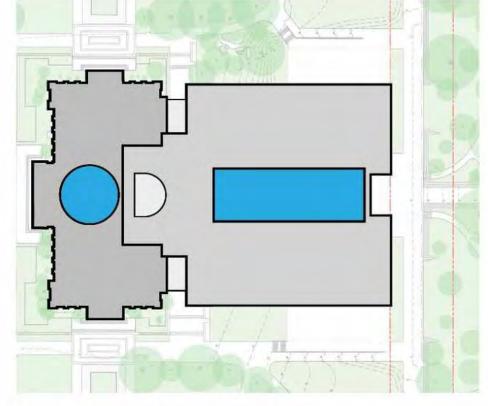




### **PUBLIC SPACE**







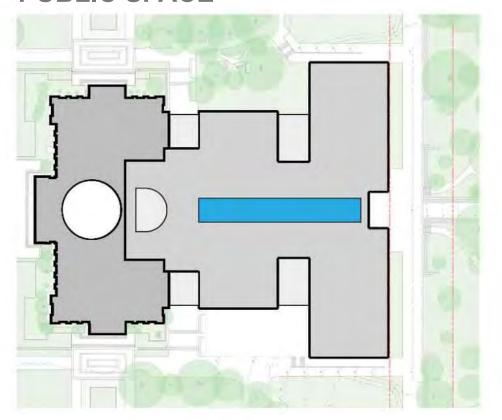


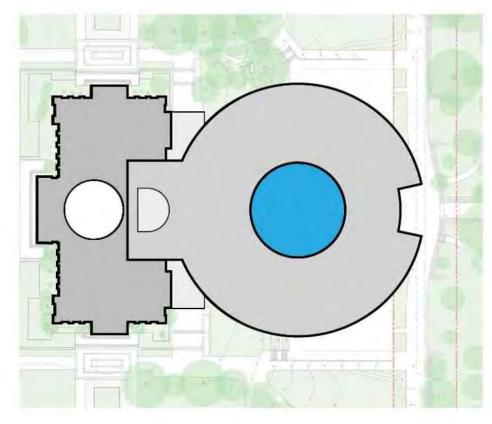


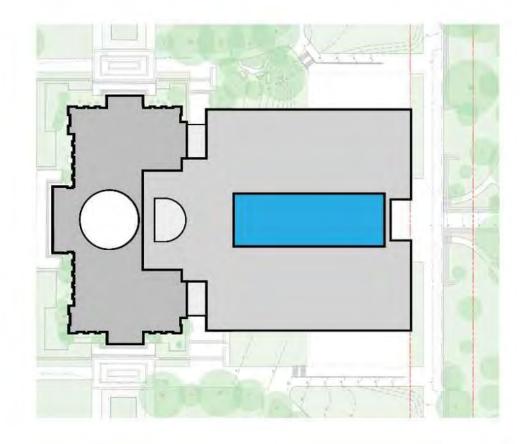


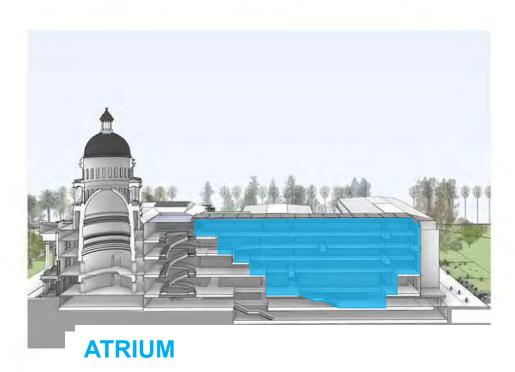
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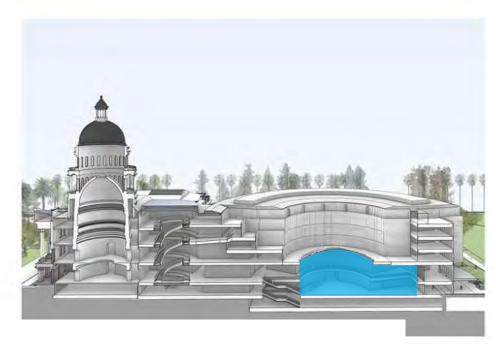
# PUBLIC SPACE: Access to All DIFFERENCES PUBLIC SPACE

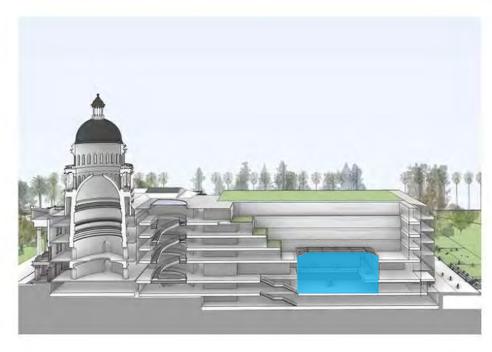




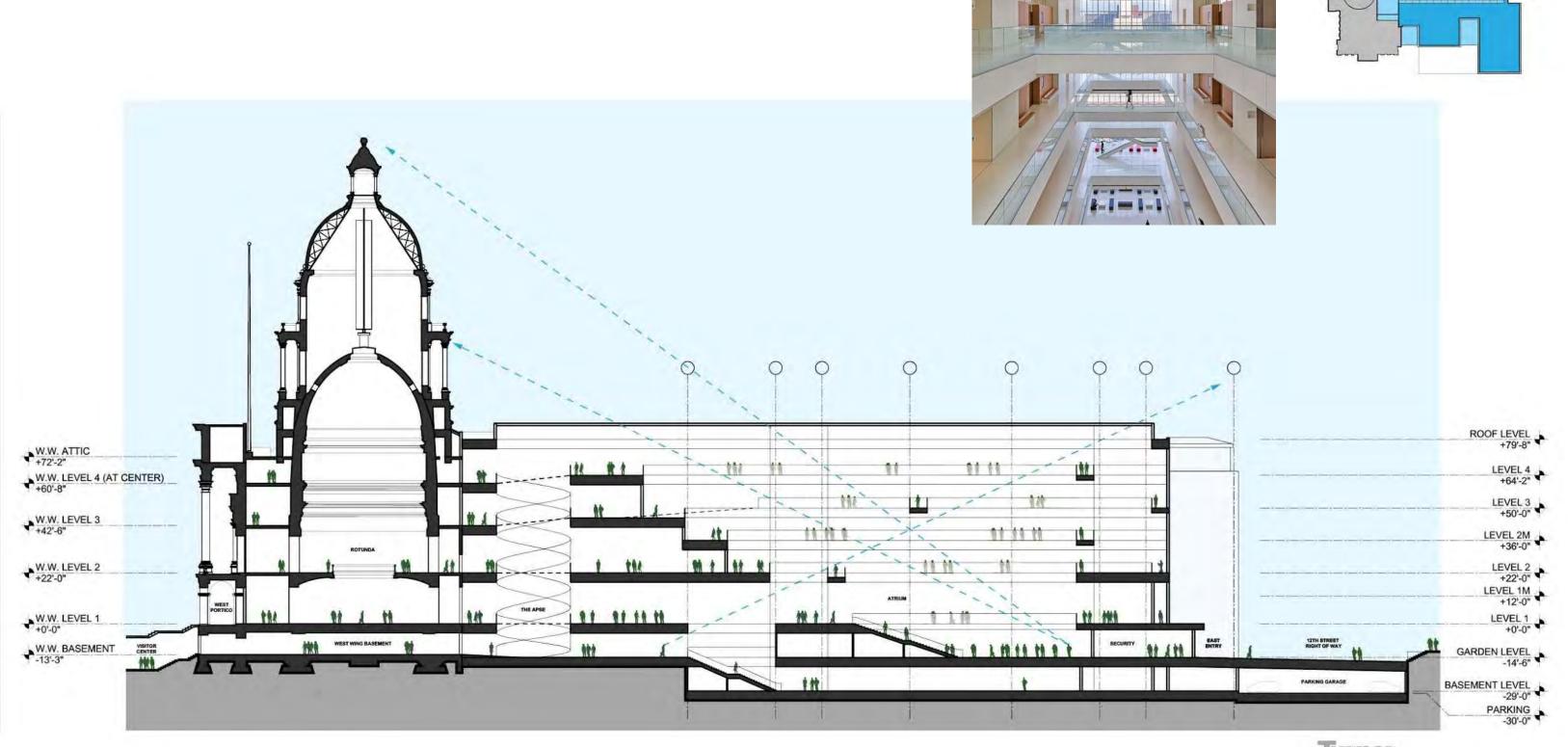




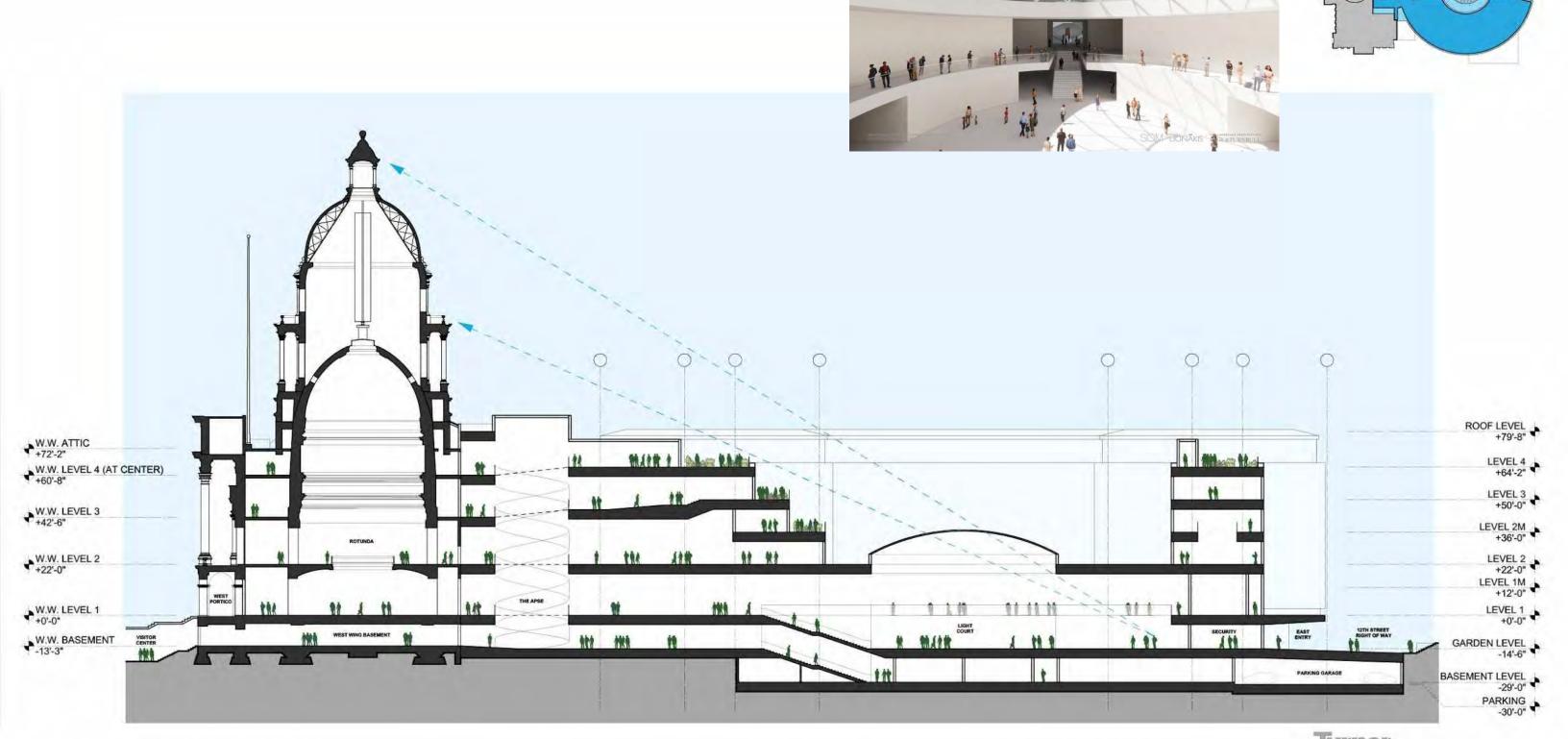




**PUBLIC SPACE: DOUBLE T** 

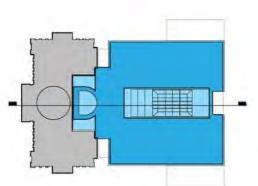


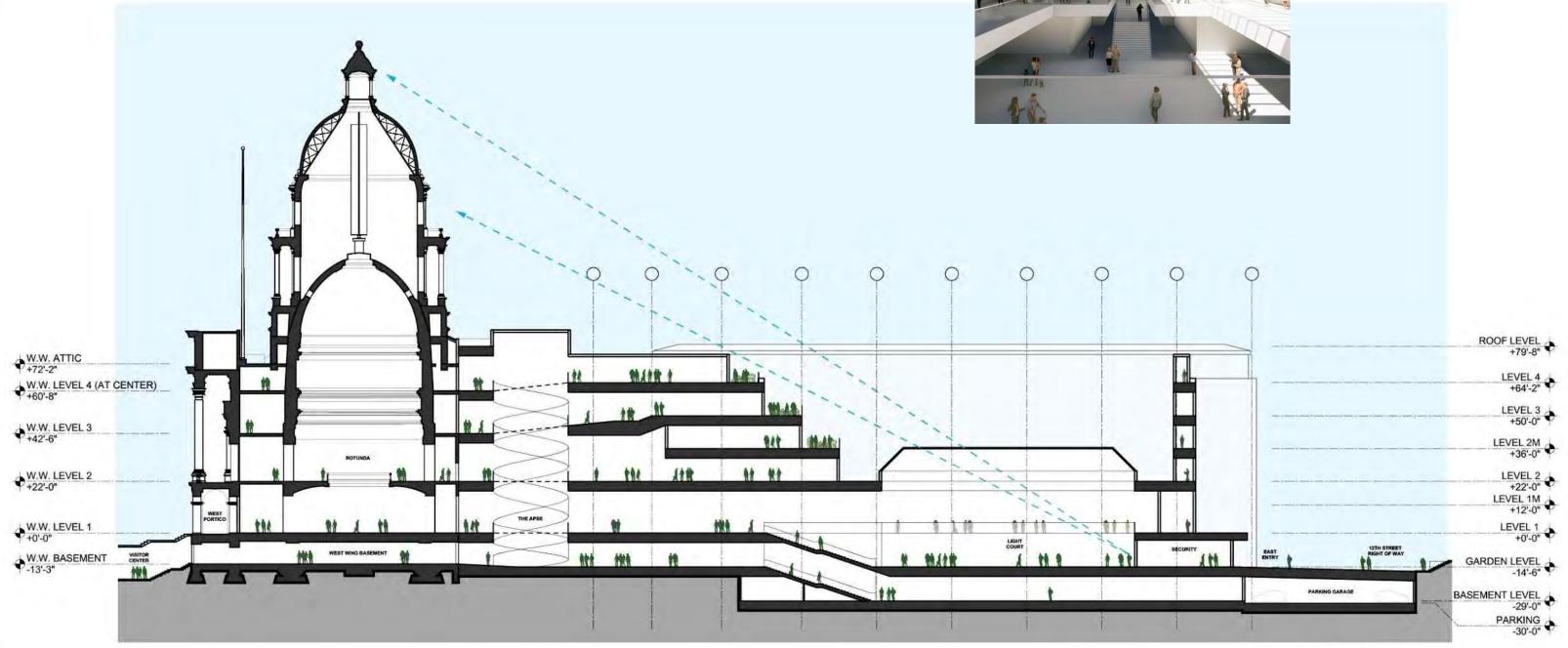
**PUBLIC SPACE: CIRCLE** 



**PUBLIC SPACE: SQUARE** 

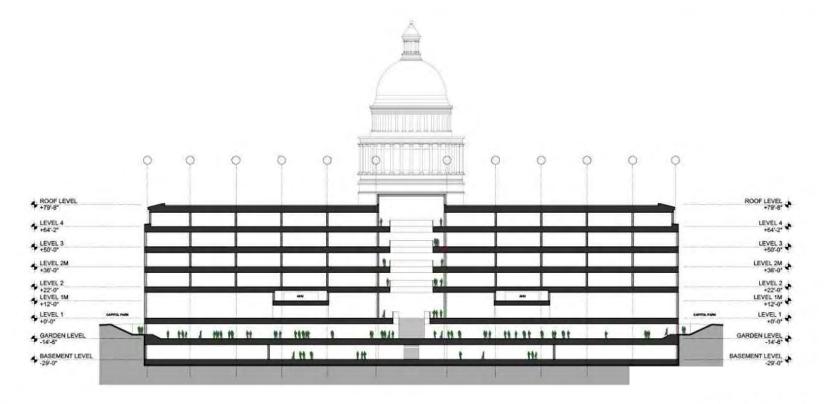


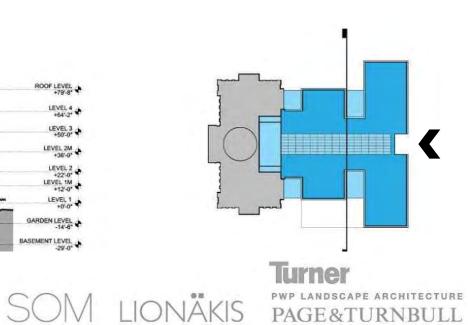




# DOUBLE T ENTRY SEQUENCE





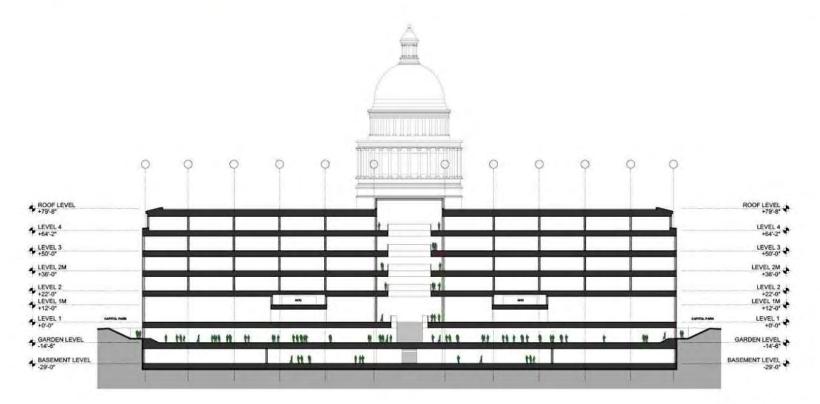


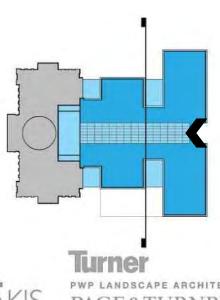
#### **DOUBLE T**

#### **ENTRY SEQUENCE**









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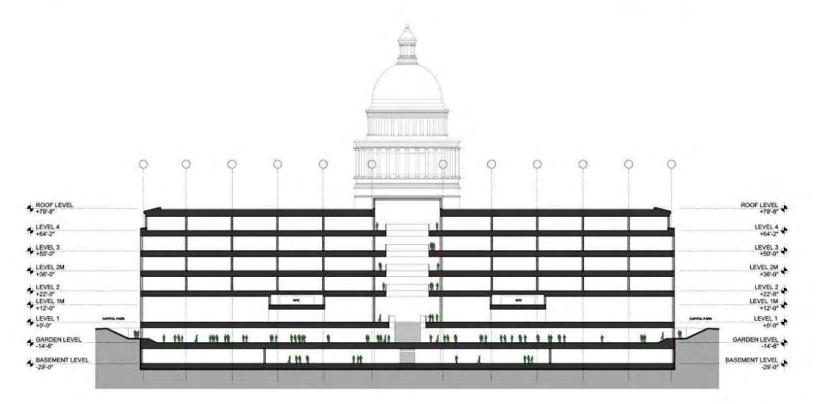
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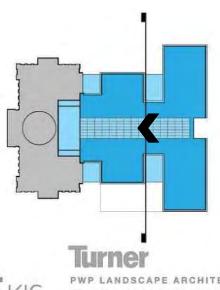
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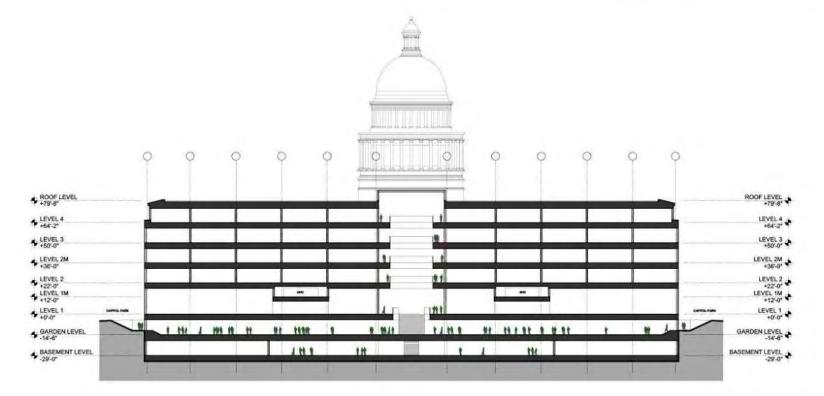
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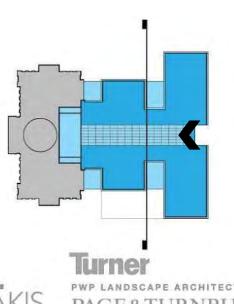




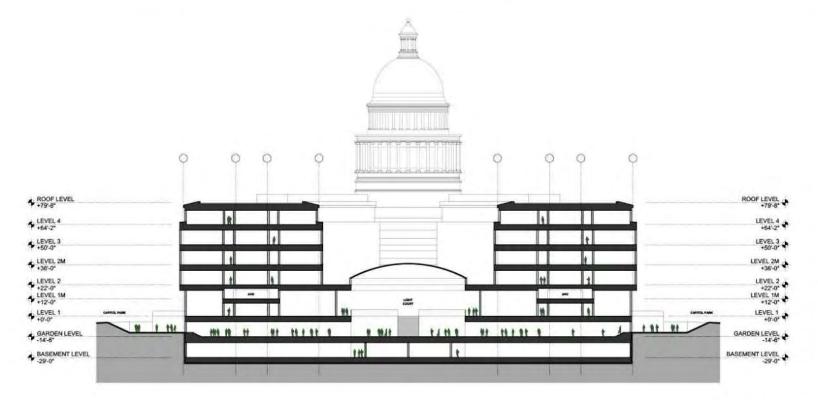


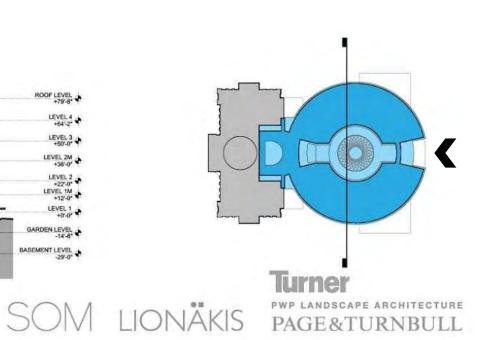






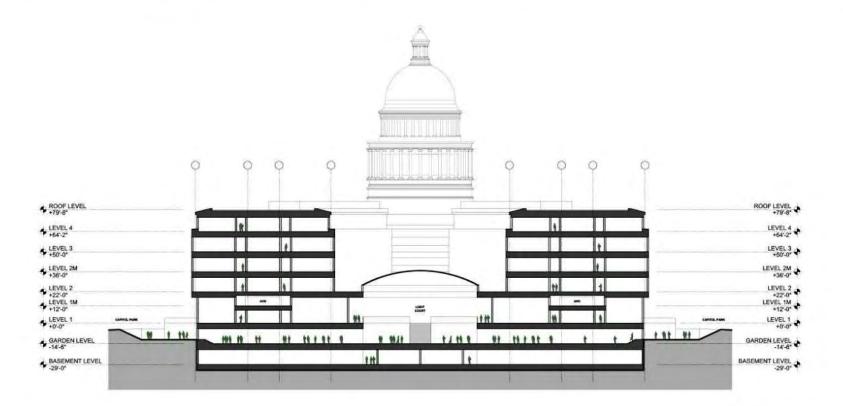


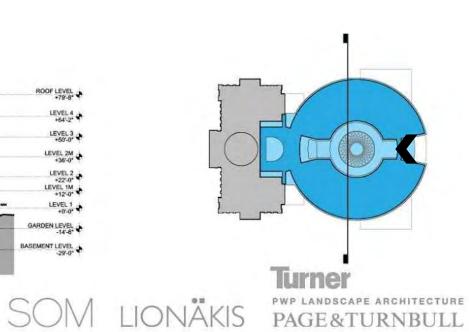








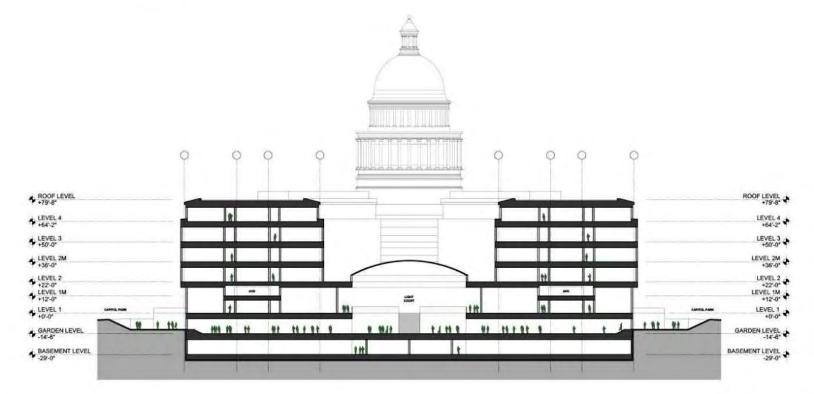


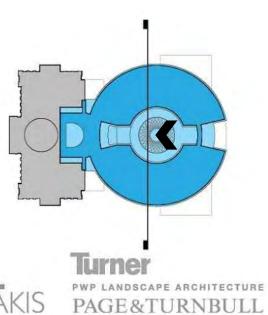










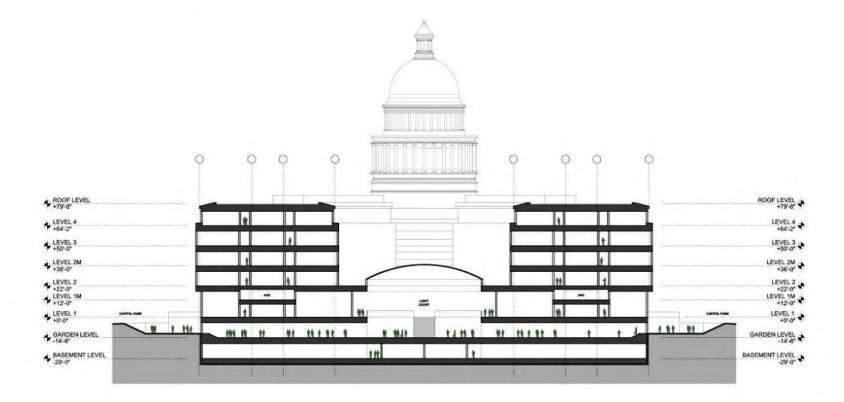


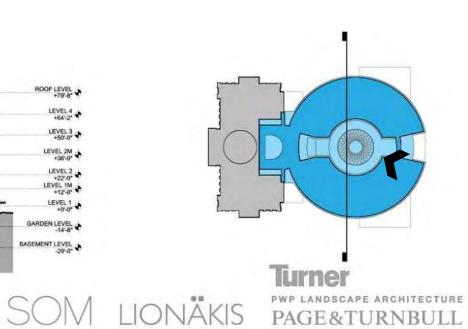






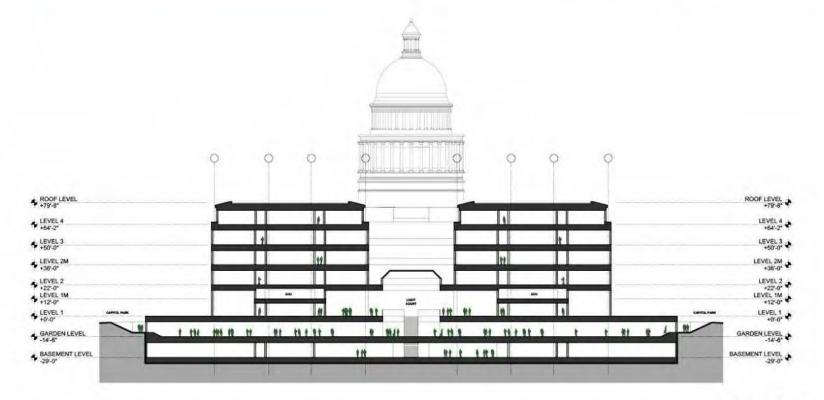


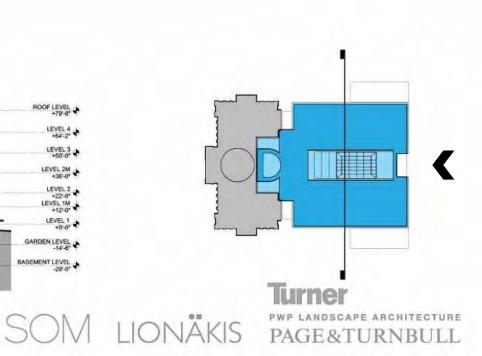




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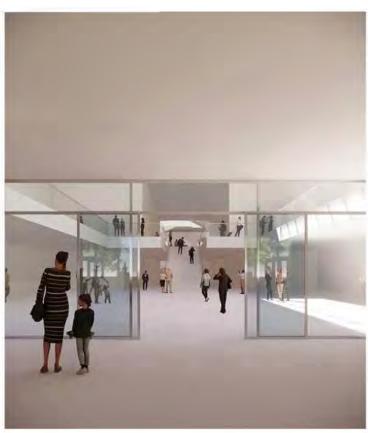


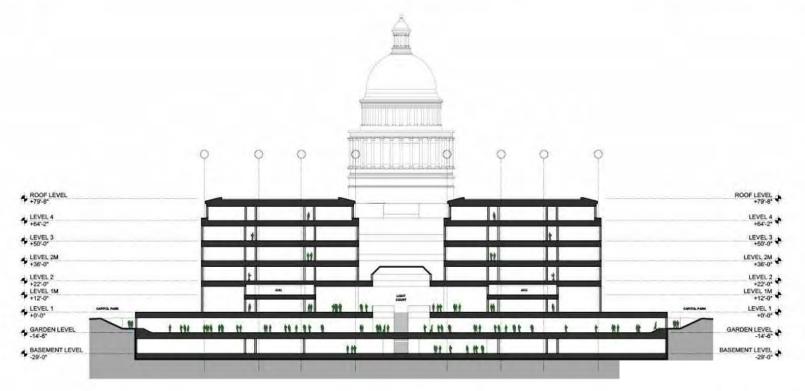


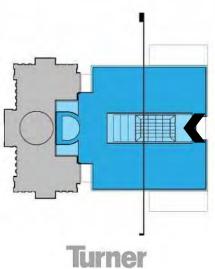
#### SQUARE

#### **ENTRY SEQUENCE**









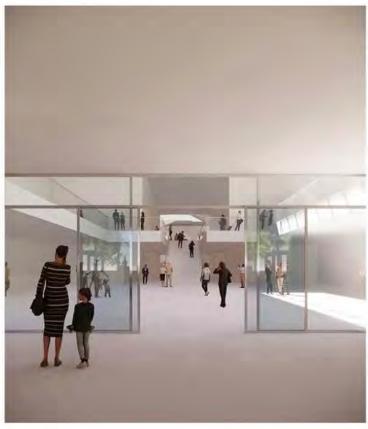
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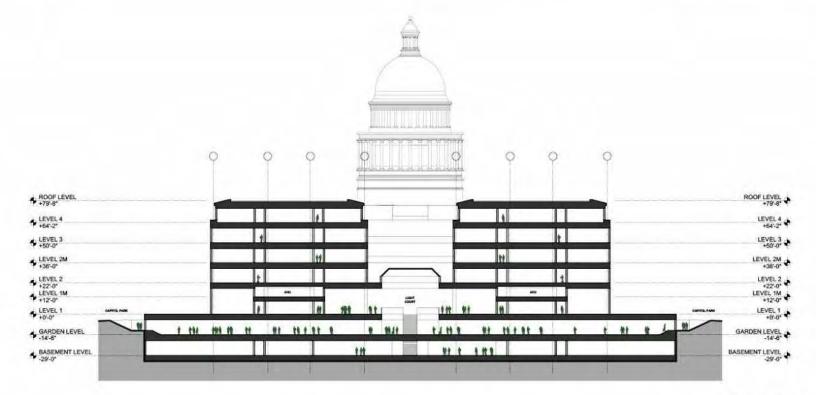
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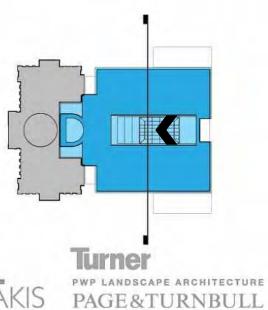
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SOM LIONÄKIS

# SQUARE

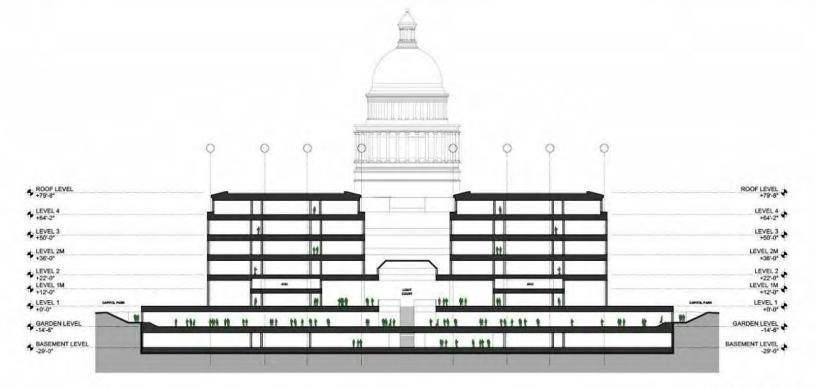
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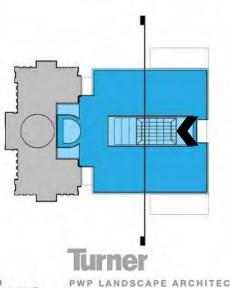








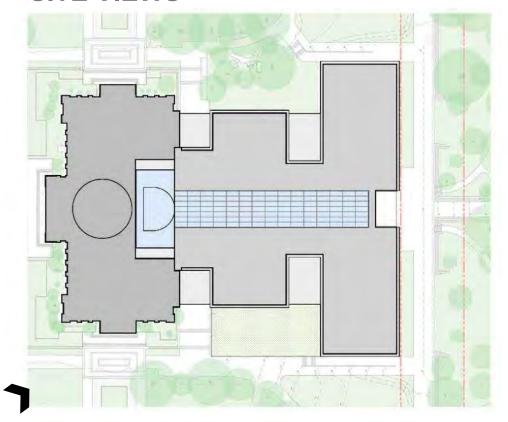


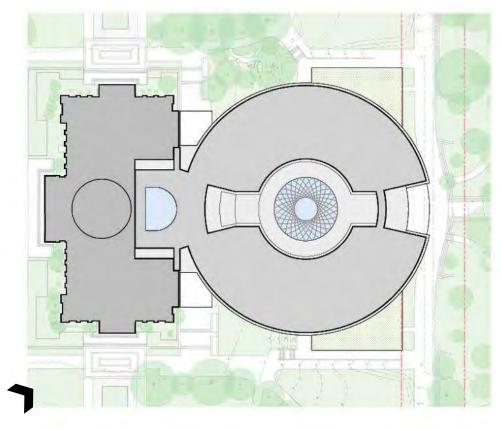


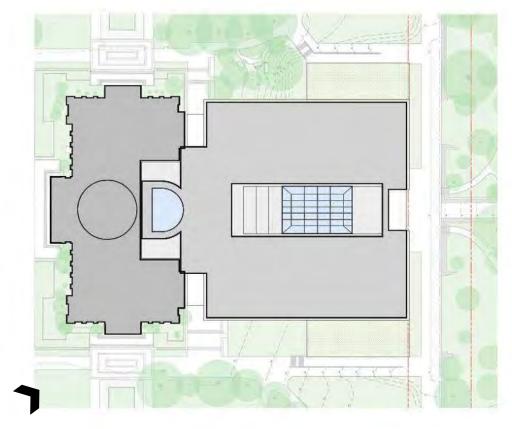
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PWP LANDSCAPE ARCHITECTURE
PAGE&TURNBULL

# CONCEPT SIMILARITIES & DIFFERENCES **SITE VIEWS**







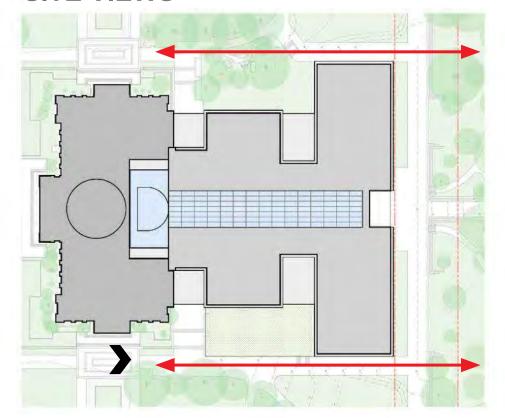


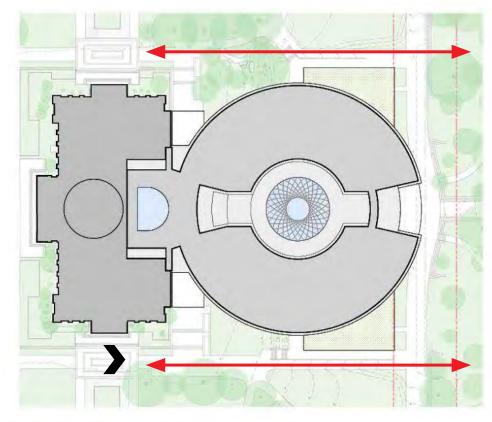


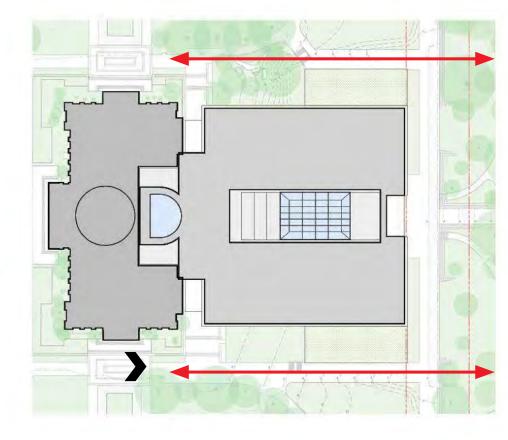


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# CONCEPT SIMILARITIES & DIFFERENCES SITE VIEWS







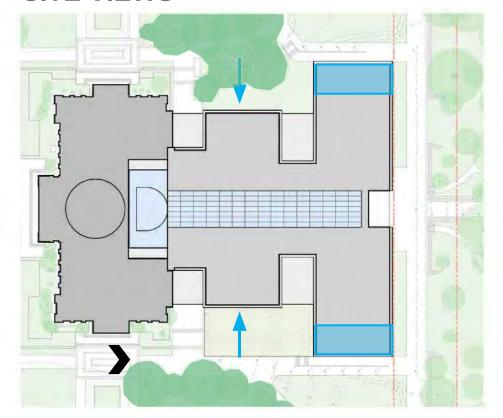


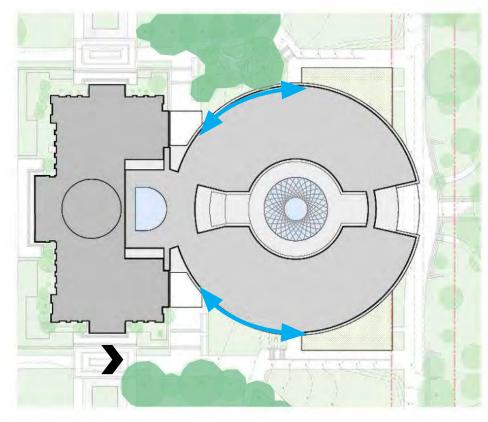


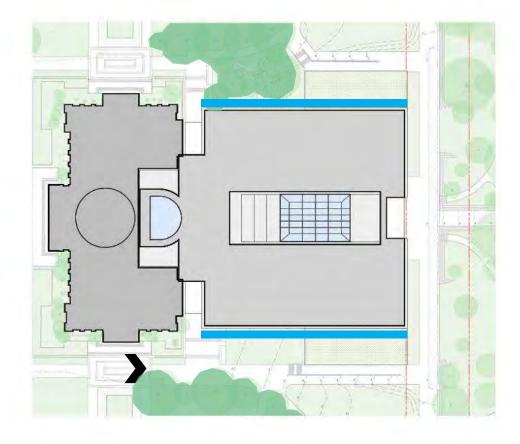


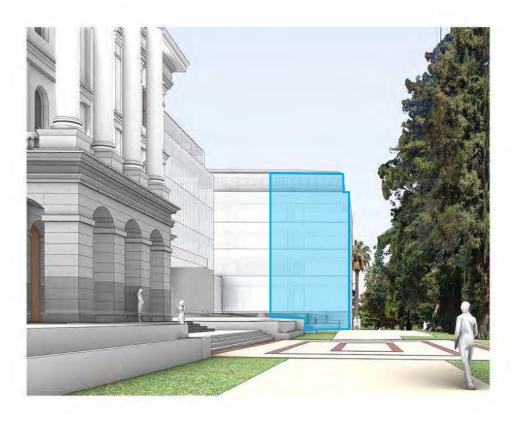
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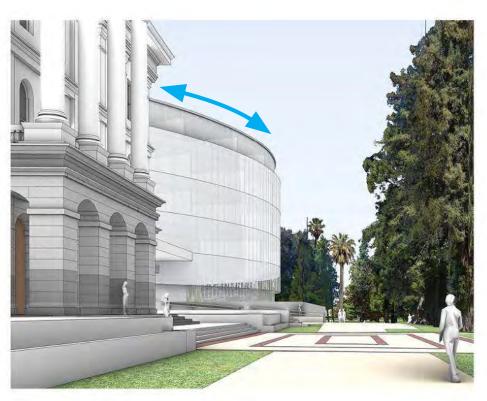
## CONCEPT SIMILARITIES & DIFFERENCES SITE VIEWS

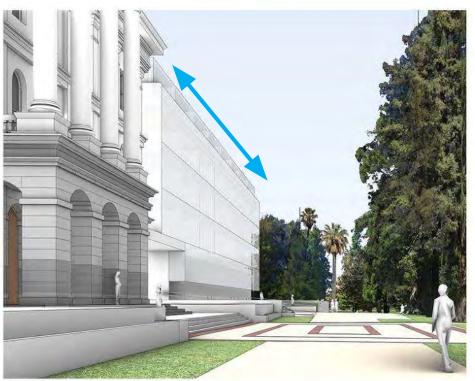




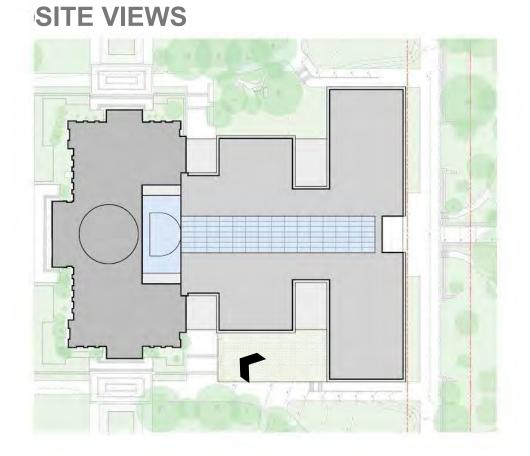


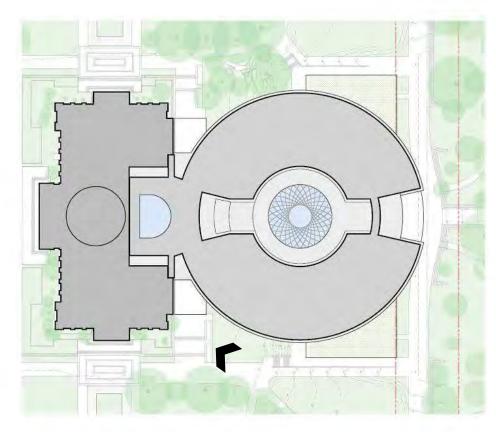


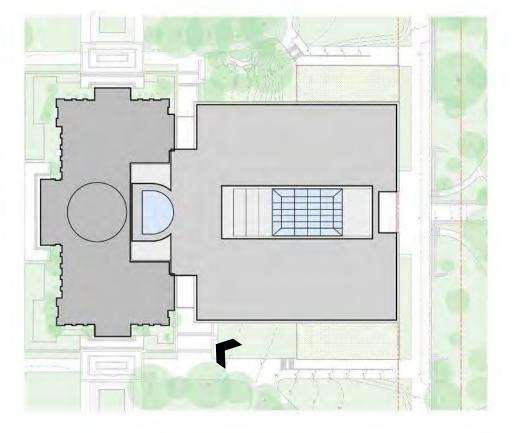




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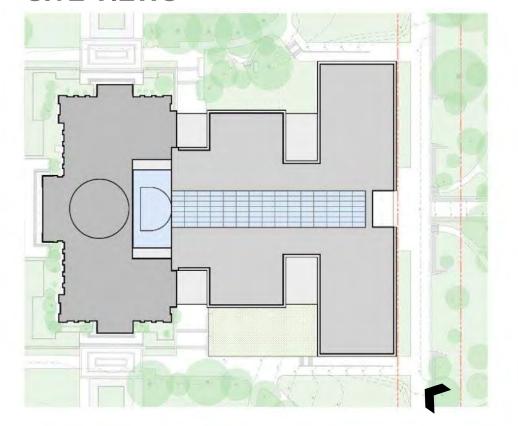


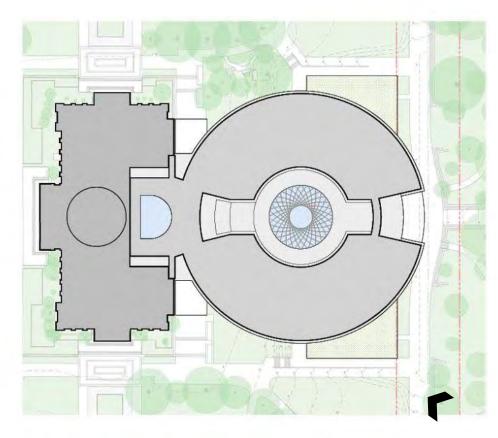


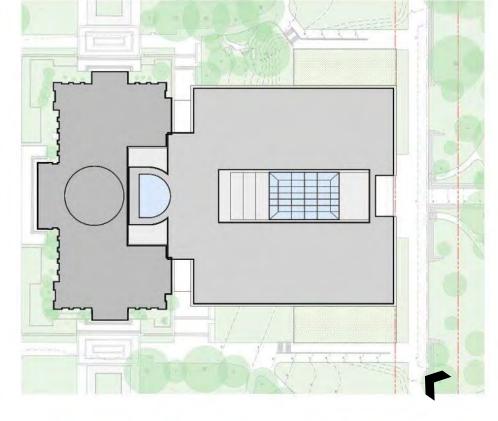




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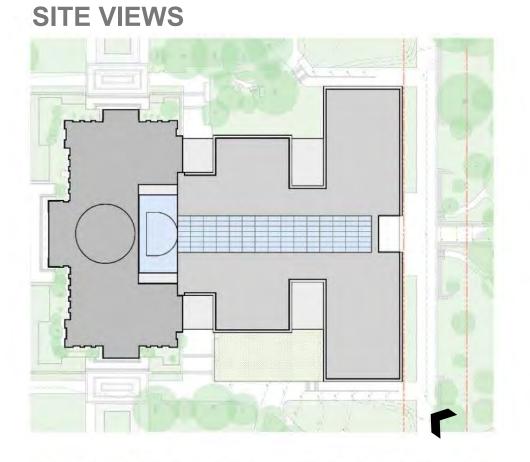


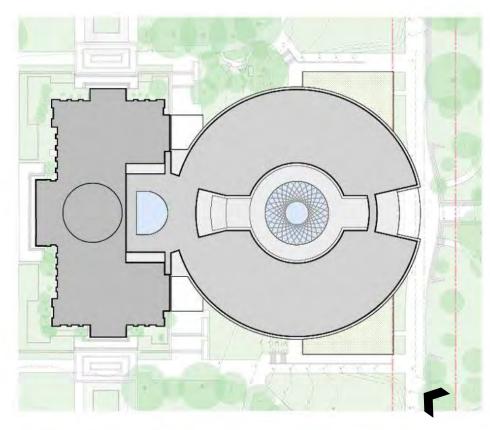


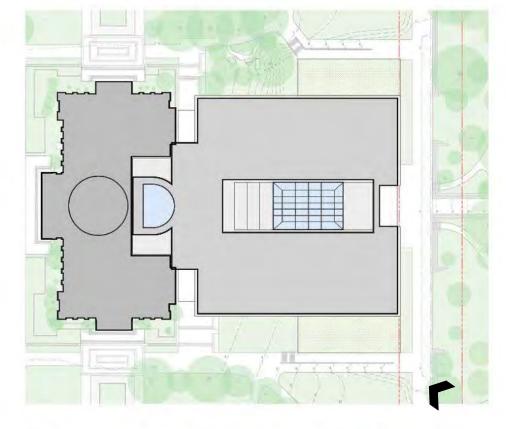




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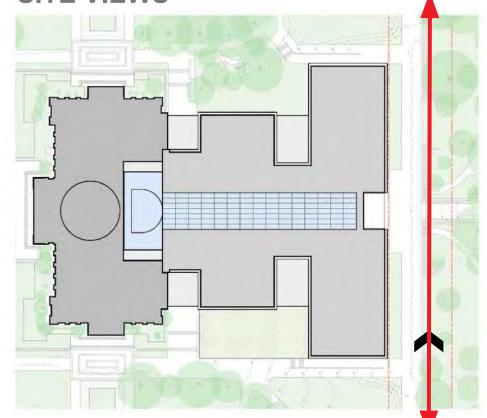


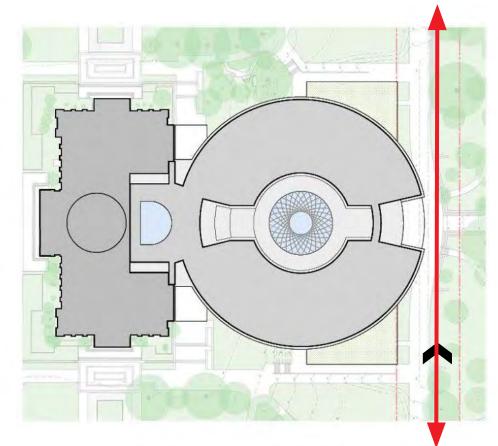


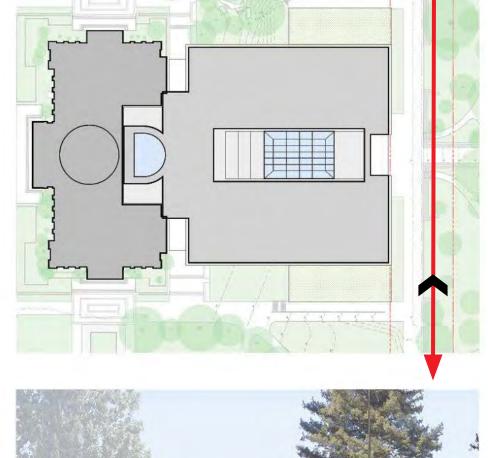


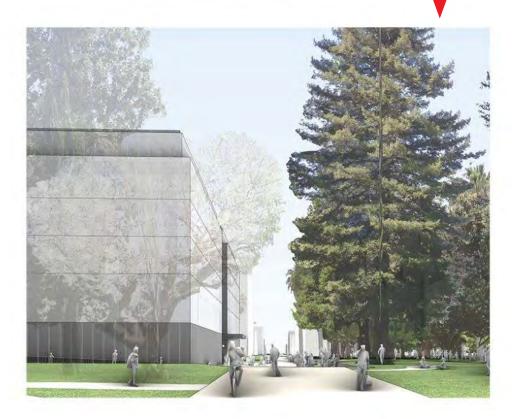








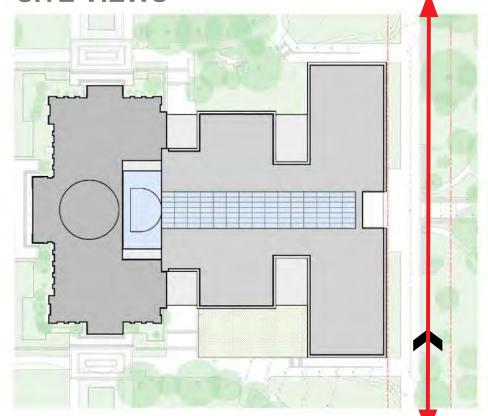


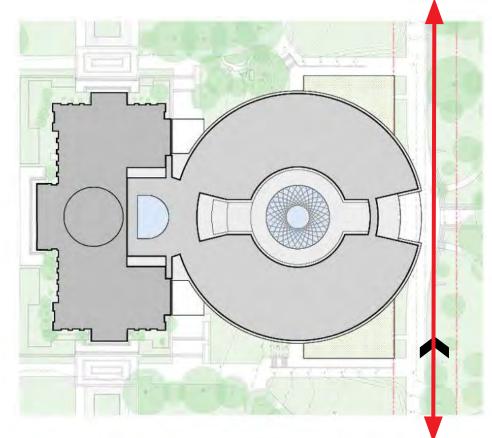


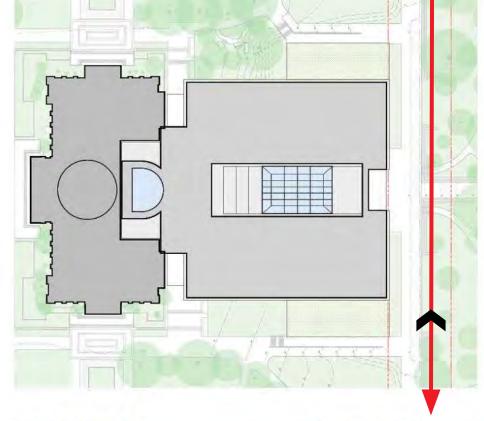


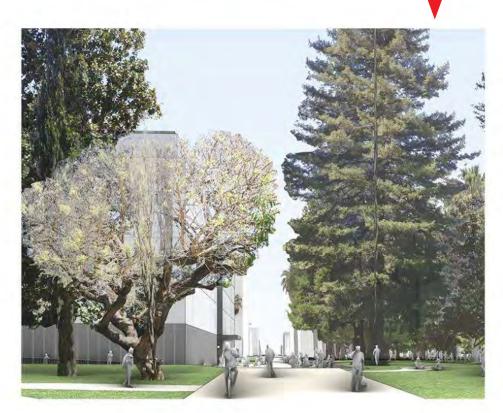


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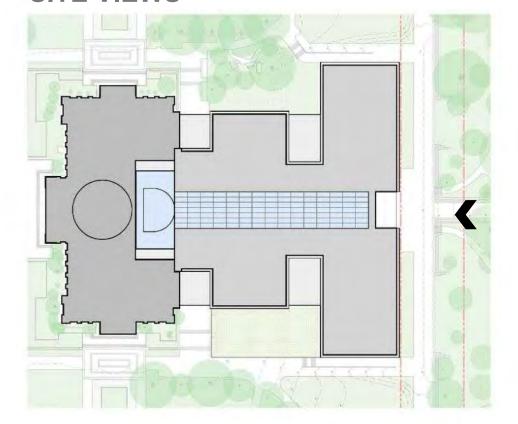


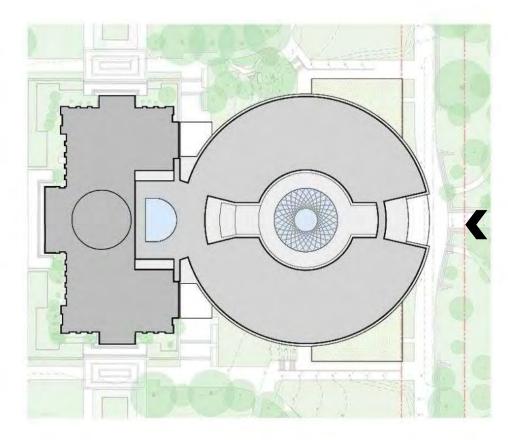


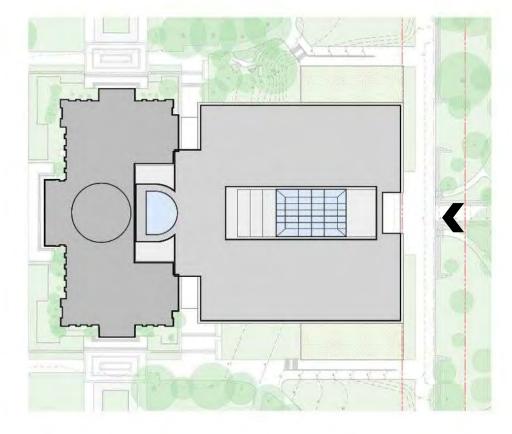


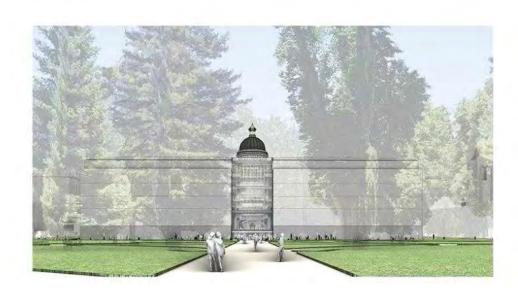


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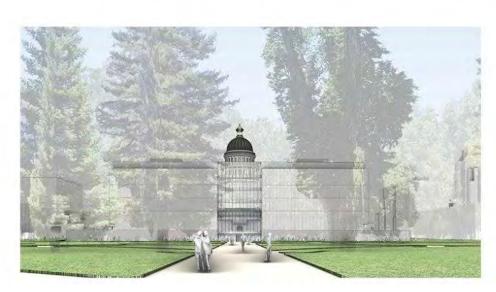




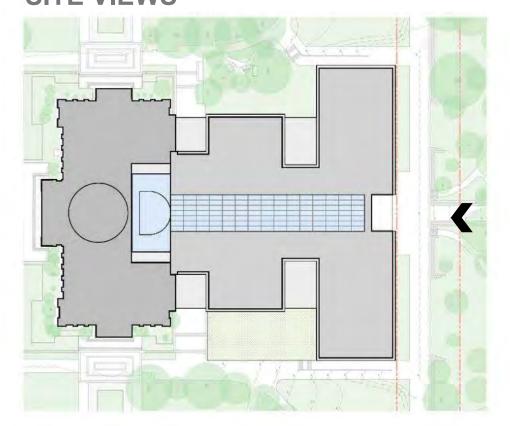


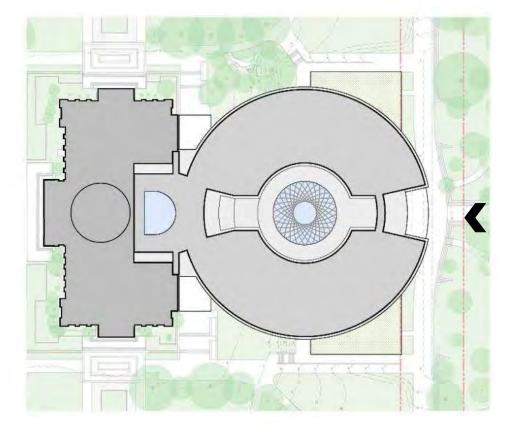


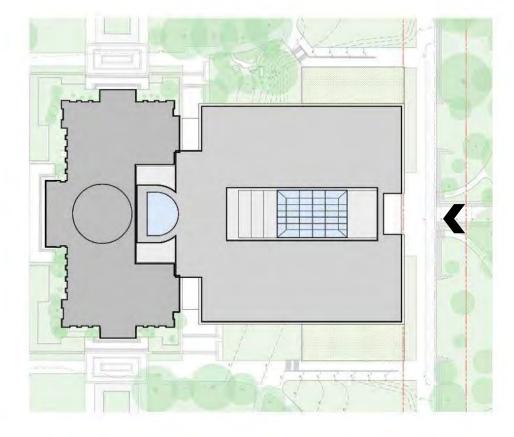




## CONCEPT SIMILARITIES & DIFFERENCES SITE VIEWS





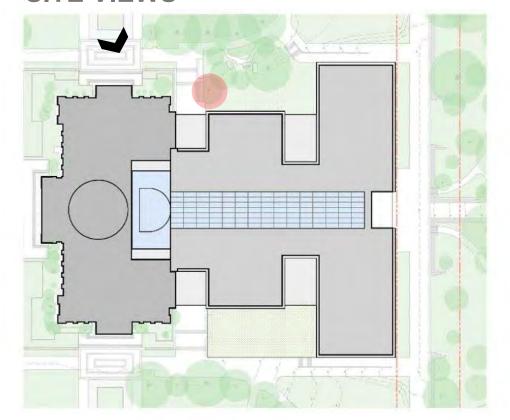


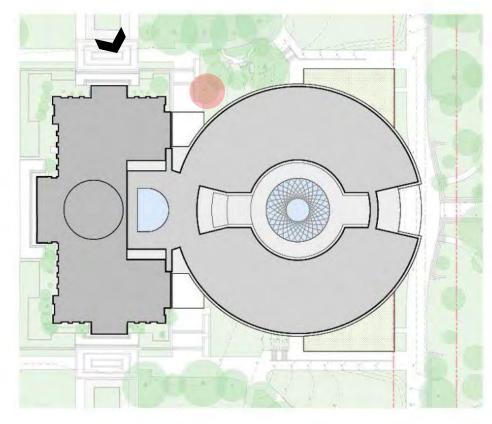


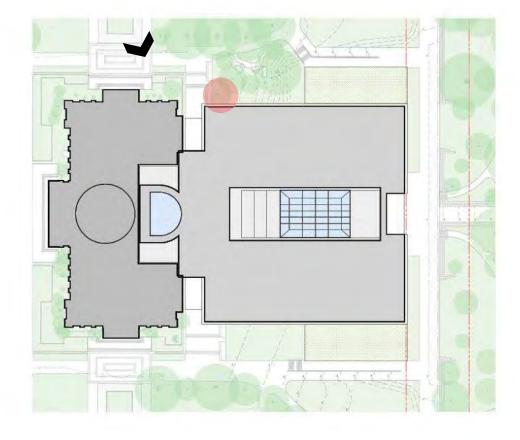




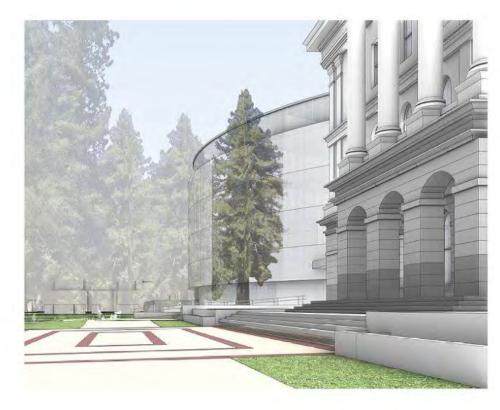
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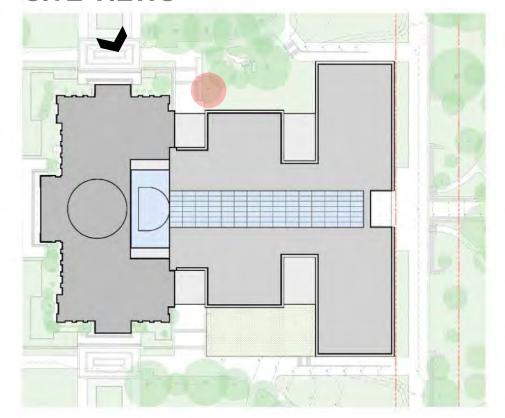


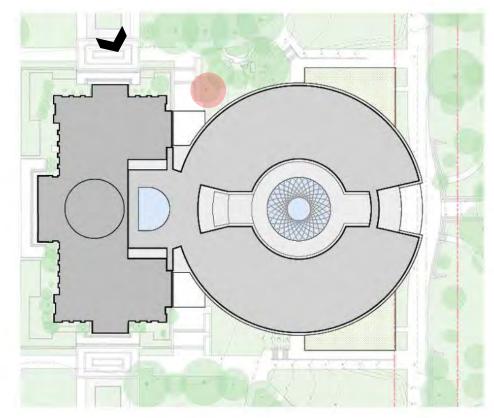


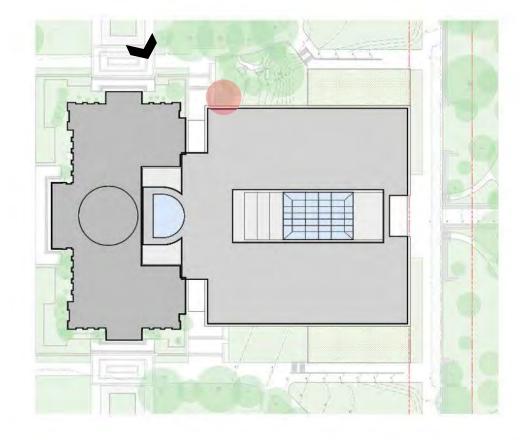
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## CONCEPT SIMILARITIES & DIFFERENCES **SITE VIEWS**













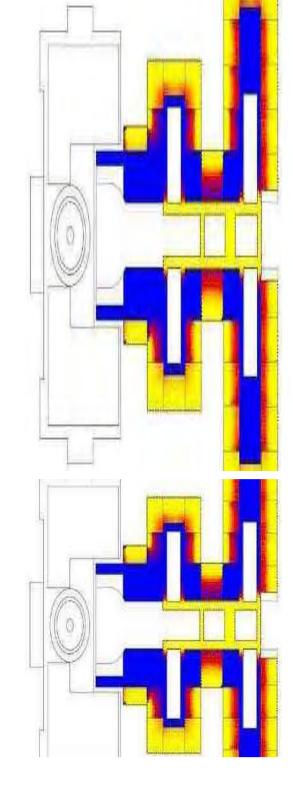
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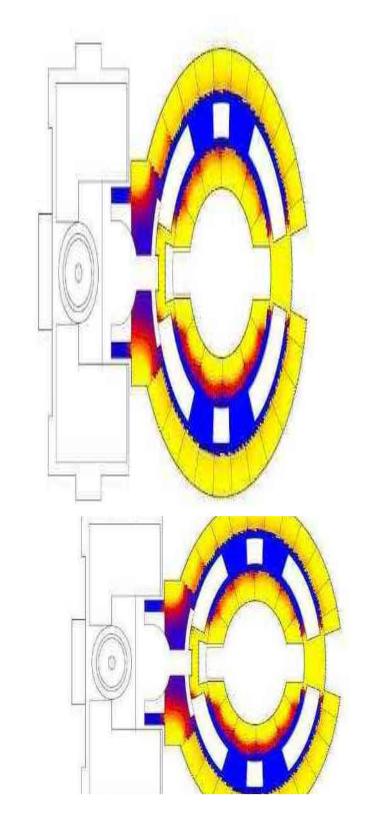
## CONCEPT SIMILARITIES & DIFFERENCES PERFORMANCE - SUSTAINABILITY & WELLNESS

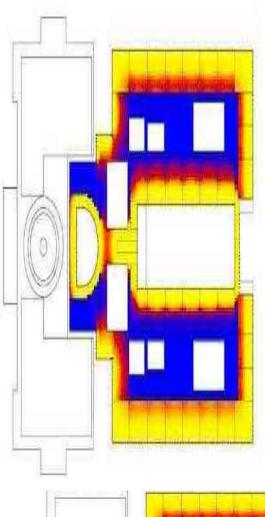
Spatial Daylight Autonomy (SDA)

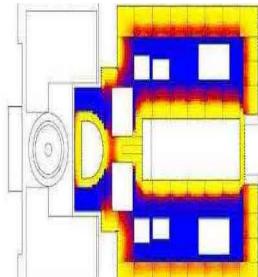
Annual Sunlight Exposure (ASE)

Facade Solar Radiation







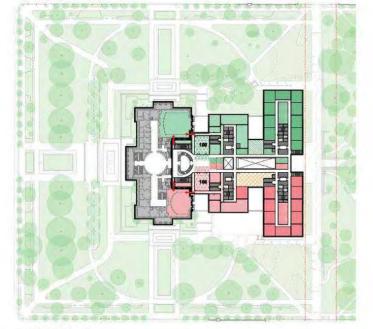


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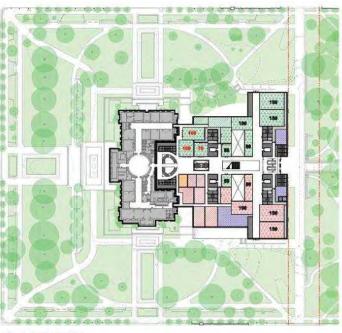
## DOUBLE T PLANS



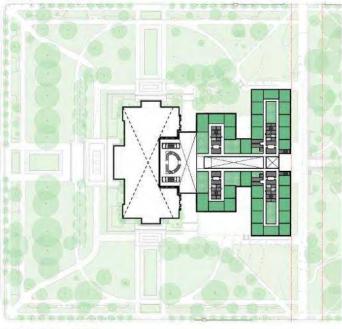
BASEMENT 72,400 GSF



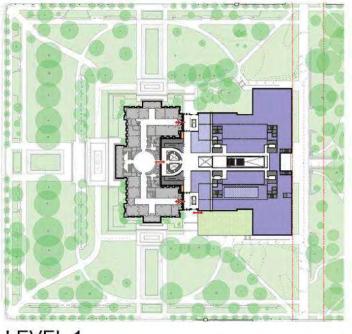
LEVEL 2 74,000 GSF



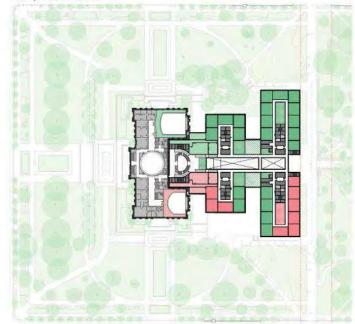
GARDEN 85,400 GSF



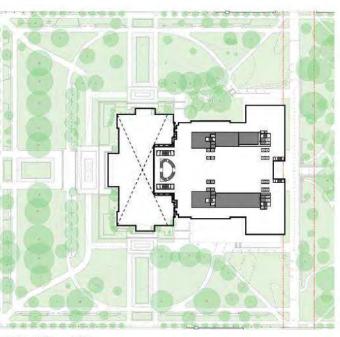
LEVEL 2M 60,400 GSF



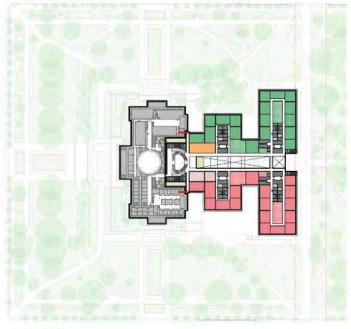
LEVEL 1 82,200 GSF



LEVEL 3 71,900 GSF



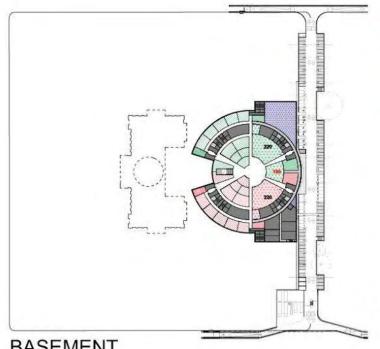
LEVEL 1M 14,000 GSF



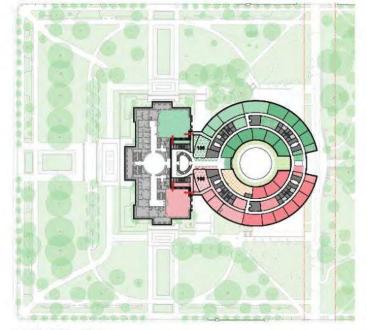
LEVEL 4 65,300 GSF



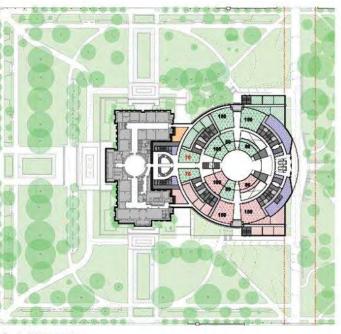
## CIRCLE **PLANS**



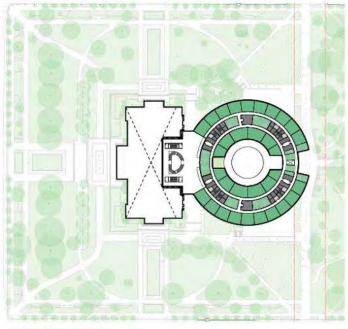
BASEMENT 76,450 GSF



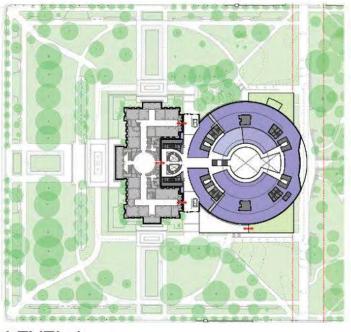
LEVEL 2 73,190 GSF



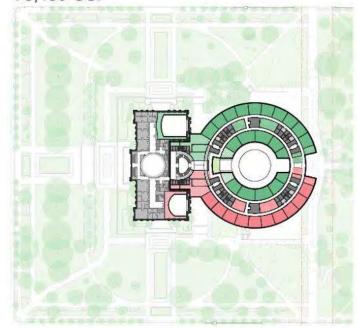
GARDEN 92,190 GSF



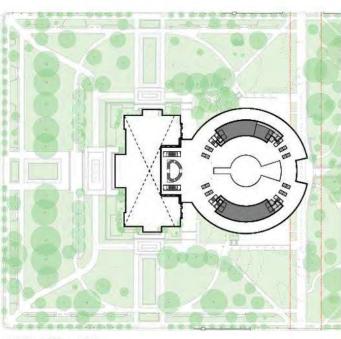
LEVEL 2M 59,480 GSF



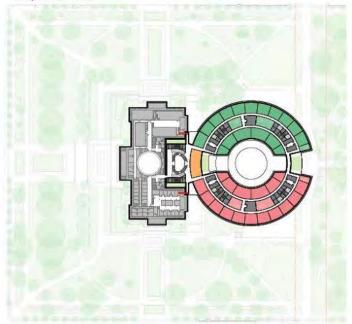
**LEVEL 1** 78,430 GSF



LEVEL 3 71,420 GSF



LEVEL 1M 12,370 GSF



LEVEL 4 62,000 GSF

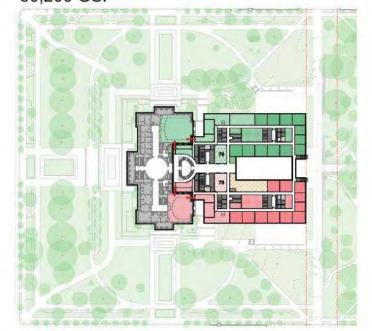


## SQUARE

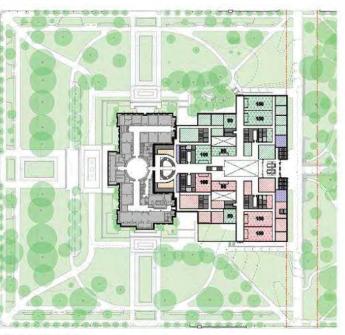
**PLANS** 



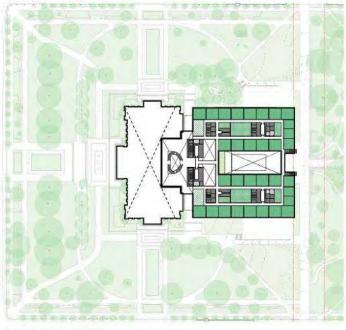
BASEMENT 80,200 GSF



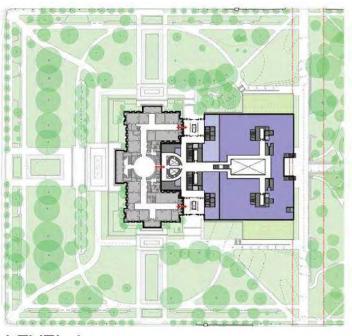
LEVEL 2 72,300 GSF



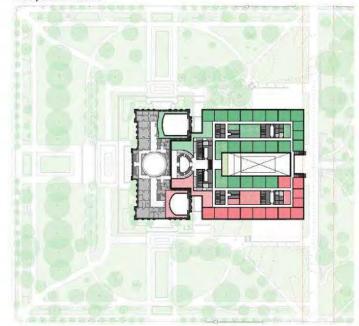
GARDEN 90,400 GSF



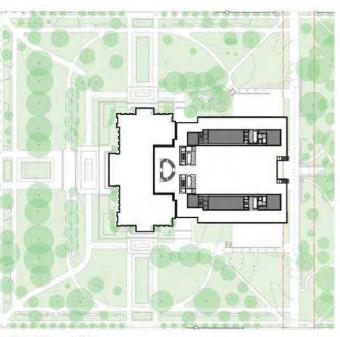
LEVEL 2M 59,300 GSF



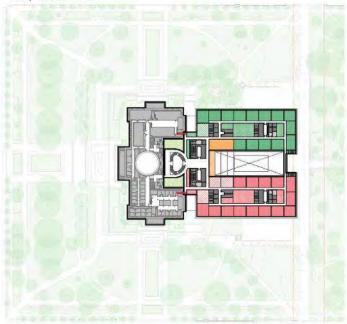
LEVEL 1 75,300 GSF



LEVEL 3 70,100 GSF



LEVEL 1M 15,400 GSF



LEVEL 4 62,600 GSF



#### **COMMONALITIES**

#### **Workday Productivity & Wellbeing**

- All Member Suites have access to daylight and views
- Adequate shared conferencing and meeting spaces
- Enhanced circulation fostering impromptu meetings and collaboration
- A Hearing Room adjacent to each of the Chambers
- A Main Public Stairway connecting all floors of both, the New Annex and the West Wing
- A Cafe with access to daylight and views, a place of respite for users and guests
- Healthful, Accessible & Energy Efficient design

### Public & User Safety & Accessibility

- Inclusive and Welcoming interior public space able to hold a diversity of guests and visitors
- Corridors and public areas designed to relieve overcrowding
- Enhanced wayfinding and accessibility throughout
- Distributed entryways that are safe and able to deconflict a variety of users and guests
- Increased safety with two means of egress from Member Suites
- Updated code compliant Life Safety provisions throughout



## **DOUBLE T** MODEL







Turner

## CIRCLE MODEL







## SQUARE **MODEL**







SOM LIONÄKIS PAGE&TURNBULL

# BUDGET & SCHEDULE MANAGEMENT STRATEGY FOR ANNEX AND VISITOR CENTER

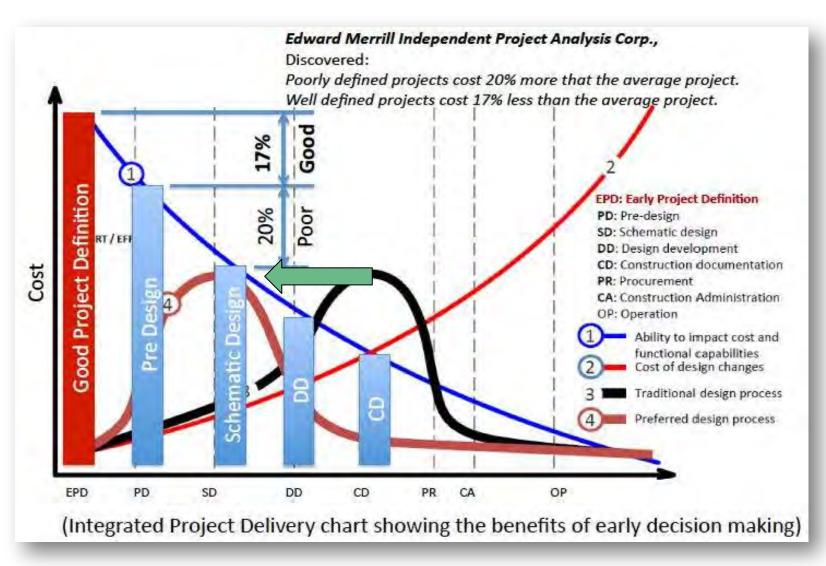
#### **BUDGET RISK MANAGEMENT**

MOCA has developed a process to shift the traditional design decision making to occur earlier in the design process.

We find that by doing this we are able to better control and bring into alignment cost, quality and schedule.

We call this process Early Project Definition and Alignment.

Our team has successfully used this process to complete 4 Capitol projects on budget and on schedule.



We are using this process to manage the Budget and the Schedule on the Project.



#### **BUDGET RISK MANAGEMENT**

## **Management Strategy**

- 2017 Planning Study Document (Blue Book) Identified deficiencies
  - Identified deficiencies and opportunities
  - Draft Completed 7/6/2017
- Project Overview and Sequence Report Established clear principles and guidelines
  - POS Report = Quality, Scope, Cost and Schedule
  - Draft Completed the POS 8/16/2019
- Collaborative Workshops to manage design, scope and cost.
  - Continuous estimates and design adjustments
  - Collaborative Design Workshop 1 to 8 have been held with one remaining
- Managing Budget Risk with Contingencies:
  - Address and reduce overall project risk
  - Adjusts for risk as the project develops
    - Concept design 20% contingency
    - Schematic Design 15% contingency
    - Design Development 10% contingency
    - Construction Document & GMP 5% to 7% contingency



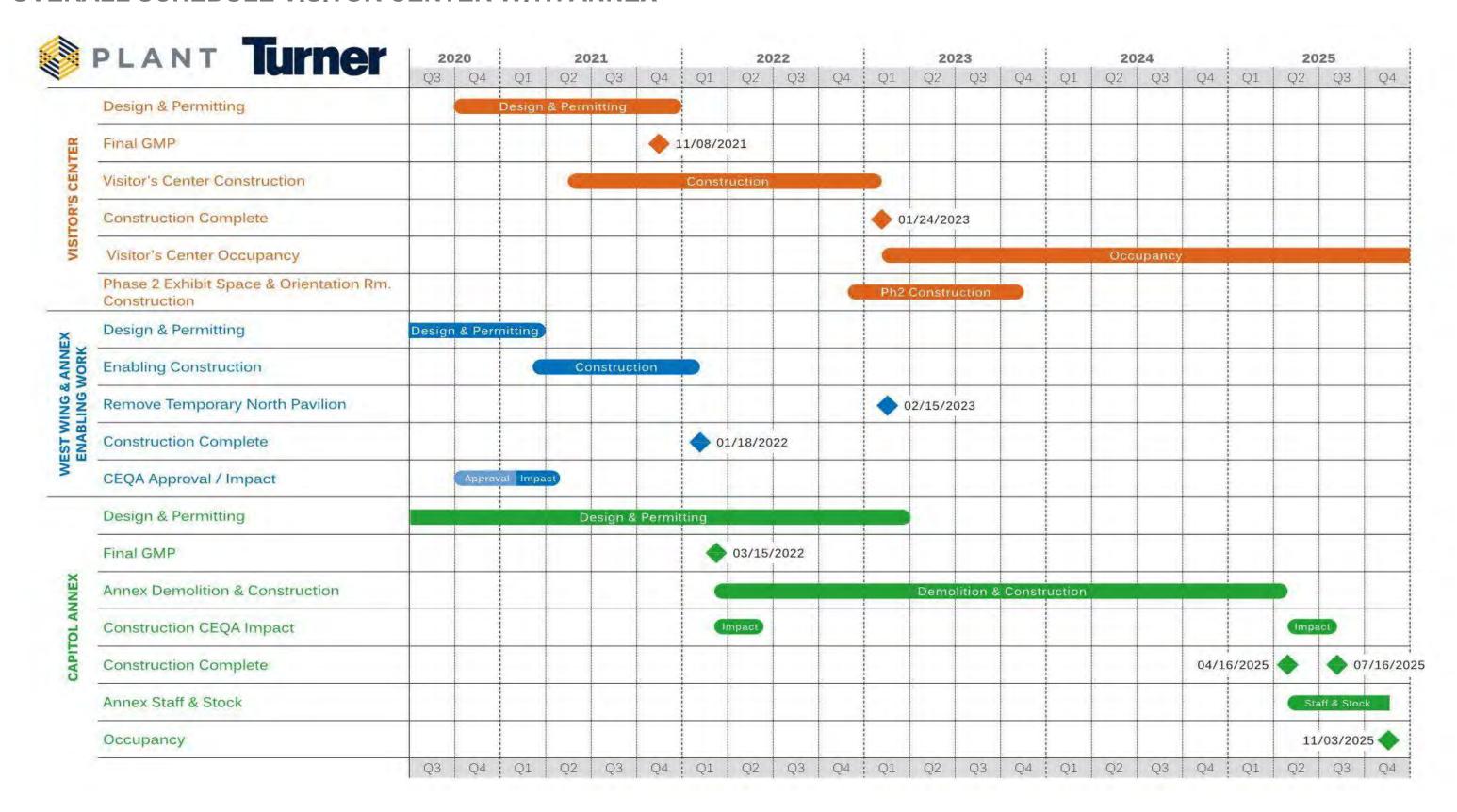
#### **ANNEX MITIGATION PROCESS**

## **Annex Project Estimate**

- The current estimates are 5% and 10% higher than the POS budget.
- The Contingency of 20% to 24% is included in the current estimates.
- Contingency is used to manage unknown cost risk.
- It is anticipated that contingency will be reduced from 20% to 5% as the design progresses and project more clearly defined.



#### **OVERALL SCHEDULE VISITOR CENTER WITH ANNEX**







#### **VISITOR CENTER & ANNEX**

## **Request of the Joint Rules Committee**

The Design and Construction Teams need direction from the Joint Rules Committee

- Double T
- Circle
- Square

Selection of one scheme is critical to maintain schedule and to refine cost.



