

Superior Court of California San Diego

2017 AAJ Conference

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Course Description

Session Organizer:

Steve Sobel

Title:

Superior Court of California, San Diego

Summary:

The new downtown 71-courtroom, 23-story, 704,000-gsf Superior Courthouse consolidates the interdisciplinary programs of the existing Criminal, Civil, Family and Probate court departments into a single facility. It leverages operational efficiencies and connectivity with the adjacent Hall of Justice through a bridge and with the Central Jail through a future tunnel. A future park on its eastern edge will redefine the area and the courthouse as an iconic landmark, anchoring a major public civic space.

The transparency of the podium enhances the community's access to justice and provides natural light and views inside the building. Parking and holding are located in the basements; the first three interconnected levels house the high-volume courts, which are also visually connected. Family, Civil, Probate and Criminal Courts are stacked above each other. This configuration allows for interdisciplinary contact and flexibility as judicial caseloads change.

Course Description

Delivery Style:

Panel Discussion

Content Level:

Intermediate

Program Scope:

State

Facility Type:

Courts

What building projects will be discussed?

Superior Court of California, San Diego

Learning Objectives

1. Programming and Building Design
2. Courthouse Building Master Planning
3. Accessibility and Building Security
4. Building Systems an

Health, Safety, and Welfare (HSW): If so, three of the mandatory learning objectives above (75% of course content and instructional time) must address HSW topics including, but not limited to, accessibility, building design, codes, energy efficiency, materials and systems, preservation, building security, structural issues, and sustainable design.)

- HSW Eligible

Confirmed Speakers



Clifford Ham
Architectural Program Lead
Judicial Council of California

Clifford W. Ham

Mr. Ham is the Principal Architect at the Judicial Council of California. He joined the AOC in 2002 as a senior planner and was promoted to Principal Architect in 2006. Mr. Ham is responsible for the development and continued improvement of architectural and technical standards for court buildings throughout California and he's been the Project Manager for large new court building capital development projects, including the San Diego Central Courthouse.

Confirmed Speakers



Steven Sobel, FAIA
Managing Director
SOM

Steven Sobel, FAIA

Steven Sobel is a Director in SOM's San Francisco office. He has been with SOM in both Chicago and the West Coast offices for more than 30 years and has experience in the management and development of a wide range of project types such as civic, mixed-use, corporate headquarters, hotel, residential, and entertainment. His accomplished portfolio of civic work includes the San Diego Central Courthouse and San Bernardino Justice Center, among many others.

Confirmed Speakers



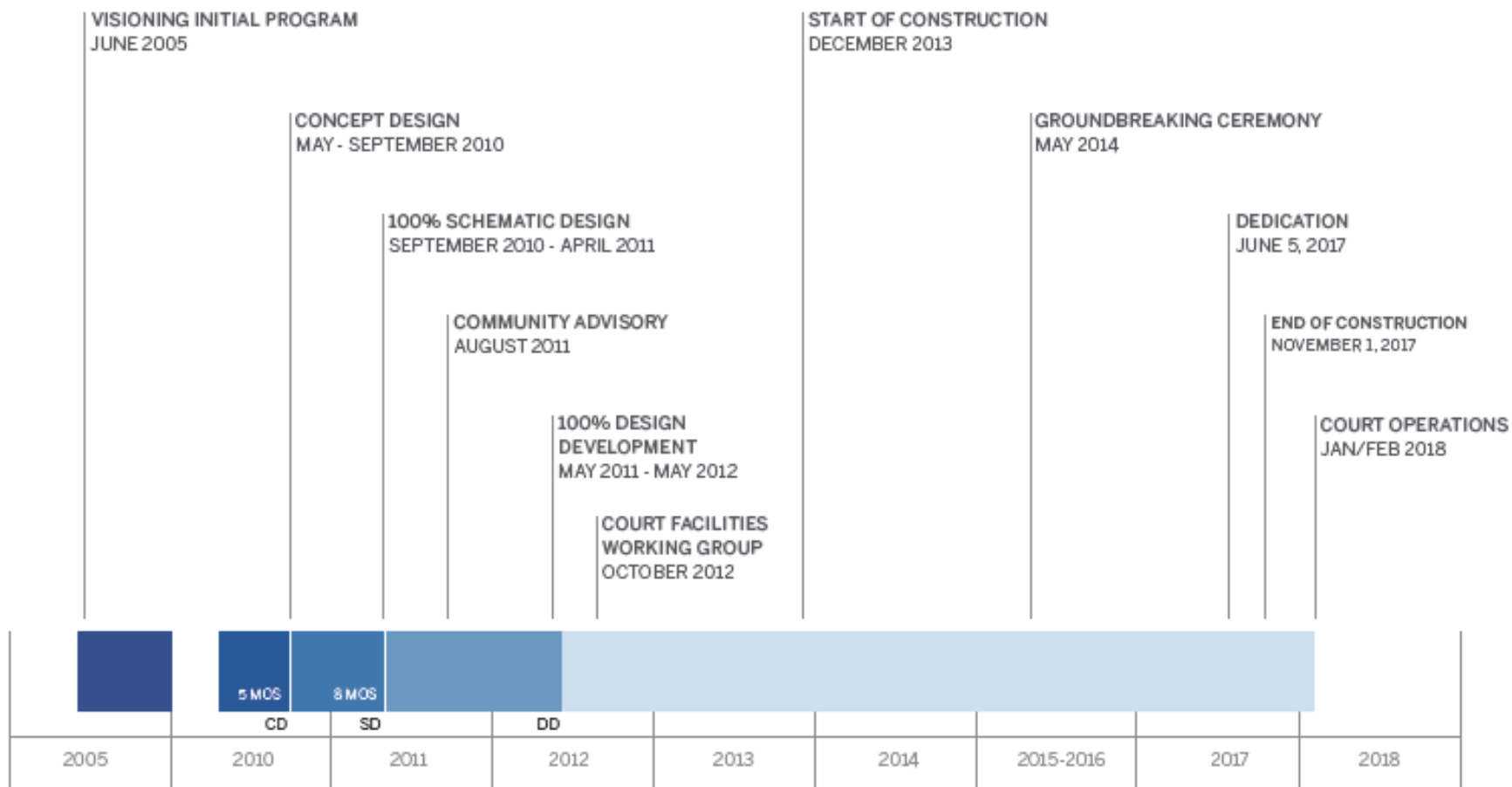
Javier Arizmendi, AIA
Design Director
SOM

Javier Arizmendi, AIA

Javier Arizmendi is a Design Director with SOM's San Francisco office. His diverse portfolio includes work in the United States, Asia, and Latin America. Since joining SOM in 1994, Arizmendi has worked on a variety of project types, from academic, science, and technology buildings to public and civic institutions, mixed-use high-rises, and transportation facilities. His work on the San Diego Central Courthouse reflects a conviction for architecture that is fully engaged with the city.

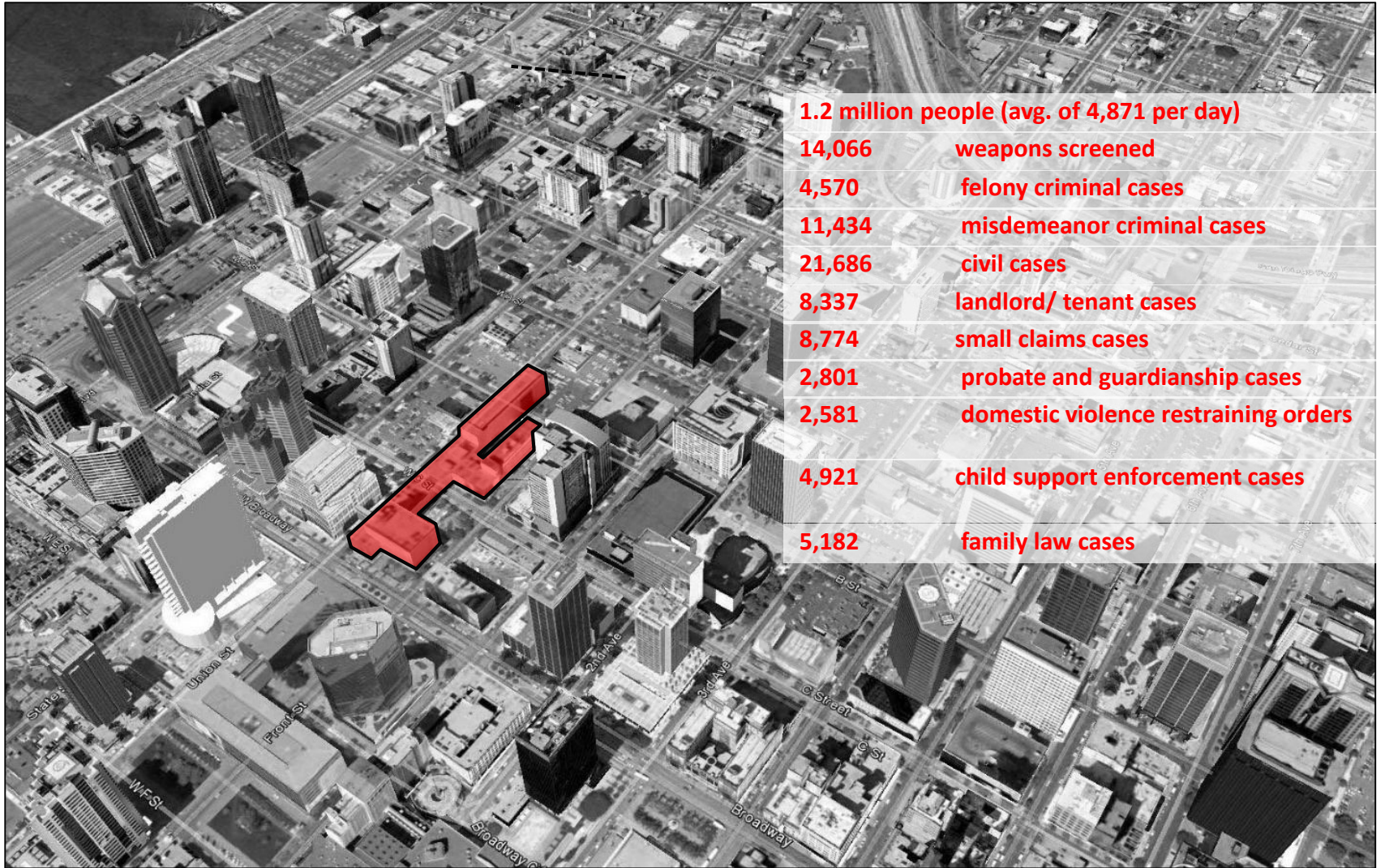
MILESTONE SCHEDULE

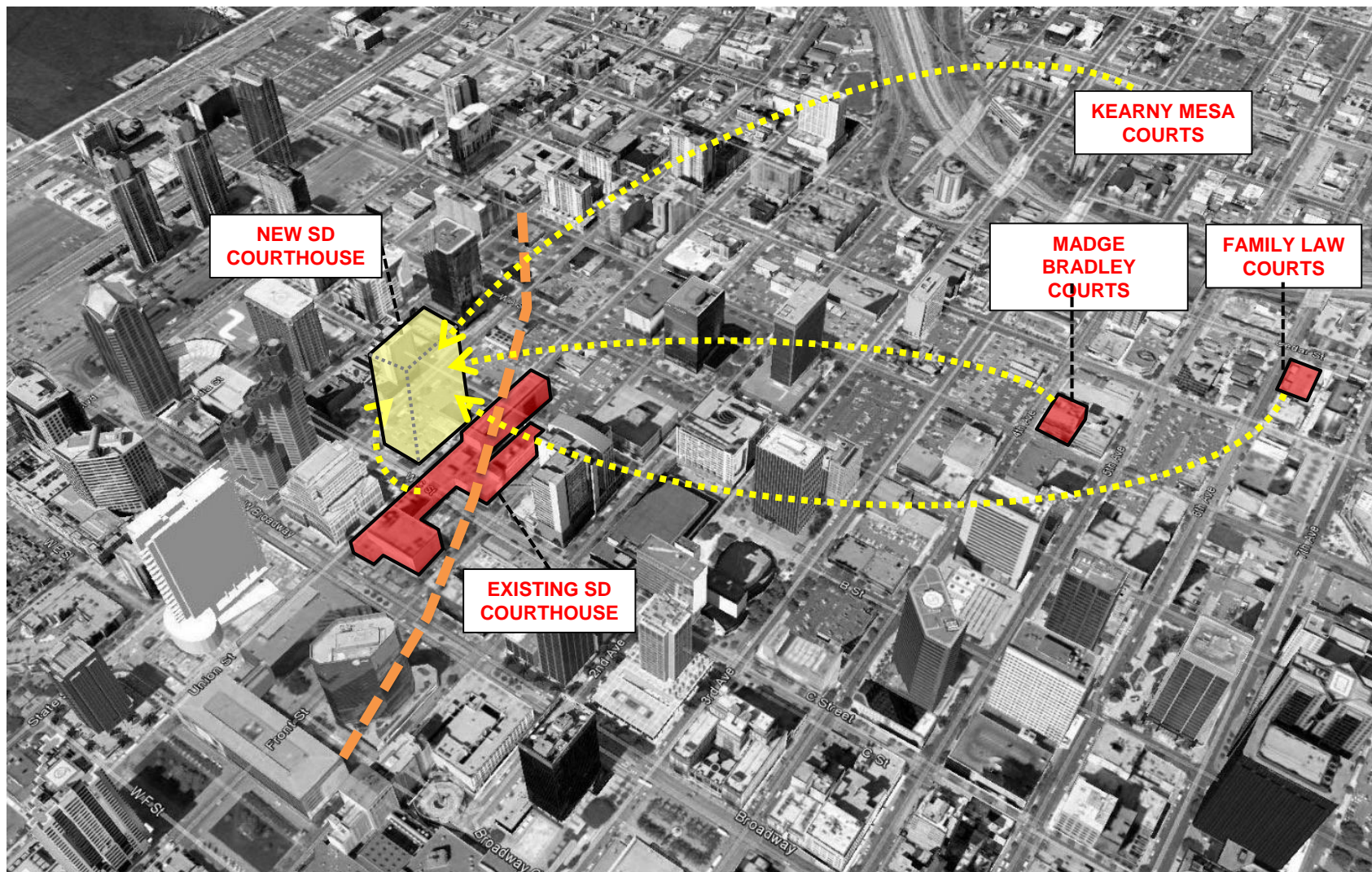
SAN DIEGO CENTRAL COURT

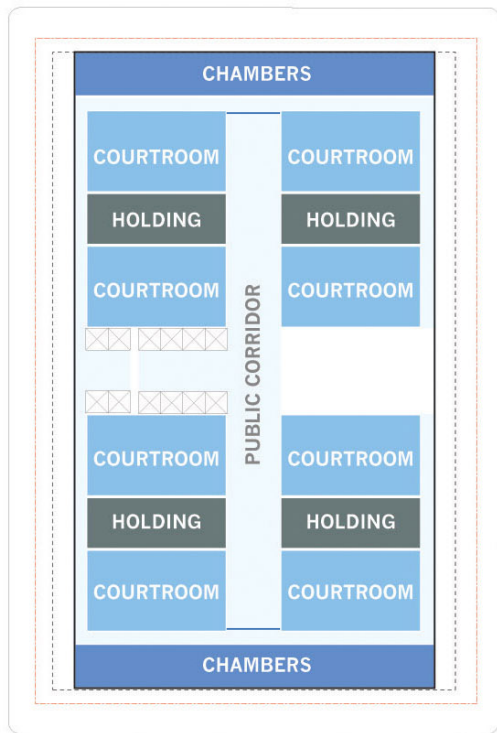


Component			Staff	Area
1	Courtroom Suites		0	219,108
2	Judicial Chambers Suites		154	50,542
3	Legal Services		21	5,717
4	Judicial Services		9	1,487
5	Court Reporters - Management		5	2,517
6	Criminal Court Business Office		143	23,471
7	Criminal Court Clerk		111	6,644
8	Pretrial Services		6	1,836
9	Family Court Operations		64	11,314
10	Family Court Services		31	7,096
11A	Family Law Facil.		24	6,439
11B	Conservatorship G.A.P F.L.F		1	438
12	Probate		41	6,414
13	Domestic Violence Clinic		1	879
14	Jury Services		16	11,110
15	Executive Office		4	1,294
16	Central Operations Administration		7	1,574
17B	Information Technology - Central Operations		0	0
18A	Admin. Services - Property, Supply and Mail		14	13,308
18B	Admin. Services - Misdemeanor Collection / Accounting		6	1,078
19	Human Resources		0	0
20	PACO, Special Projects, Governance and Analytical		7	1,117
21	Central Archival Records		6	4,082
22	Appeals		17	3,013
23	Sheriff		158	19,631
24	Grand Jury		0	1,488
25	Building Support		0	38,233
25	FMU (Building Engineer)		9	4,173
25	Custodial		0	1,576
26	Shared Court Support		0	10,422
27	Food Concession / Dining		0	3,847
Total Component Gross Square Feet (CGSF)			855	459,848
x Grossing Factor				1.45
Total Building Gross Square Feet (BGSF)				668,992
Parking				33,594
Loading				1,999
Total				704,585

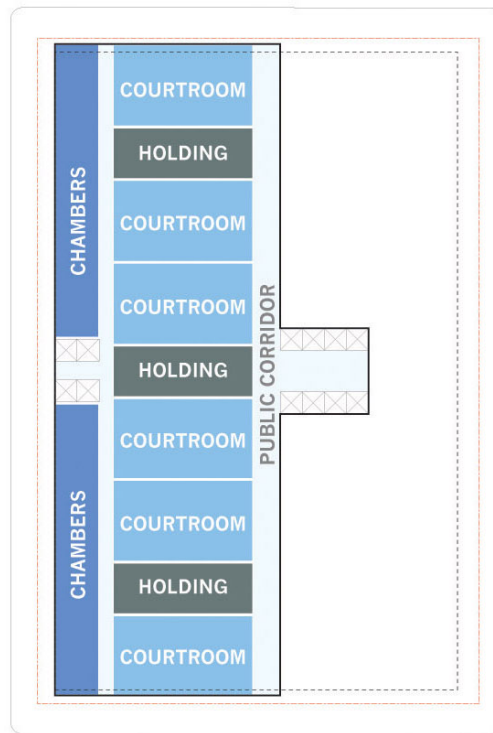




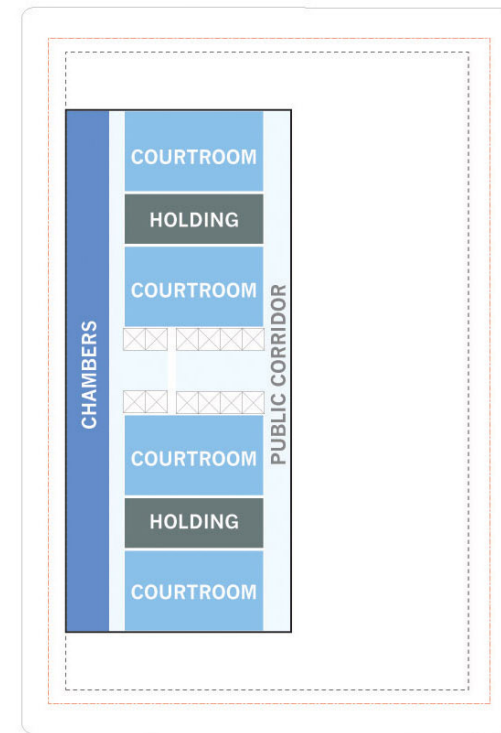




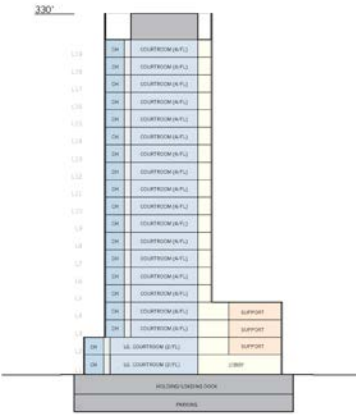
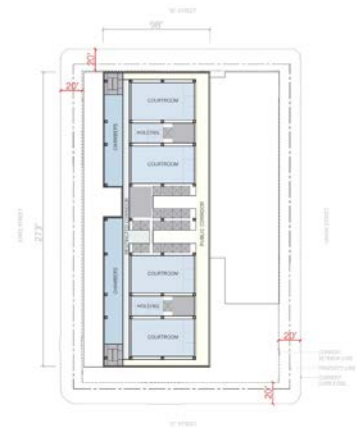
8 COURTROOMS PER FLOOR
9 COURTROOM FLOORS



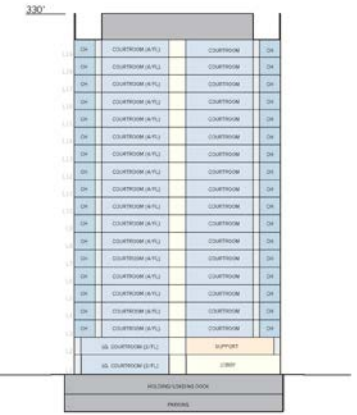
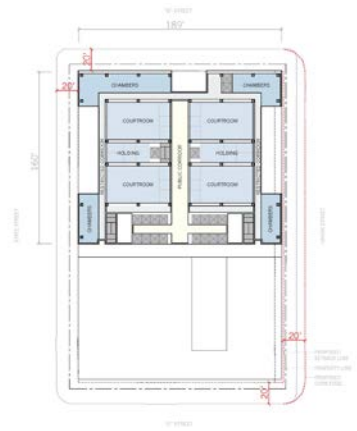
6 COURTROOMS PER FLOOR
13 COURTROOM FLOORS



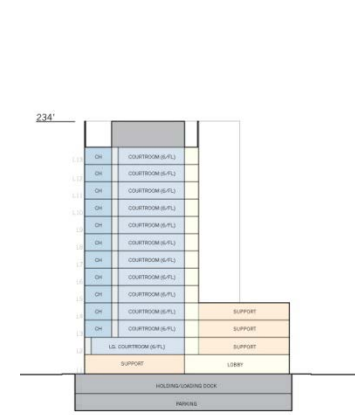
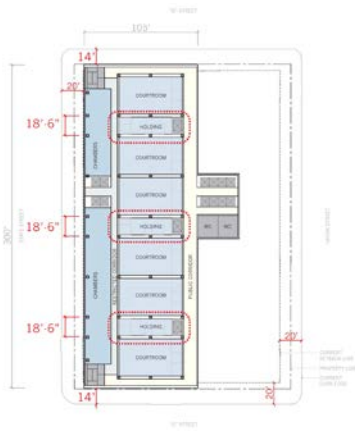
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18 COURTROOM FLOORS



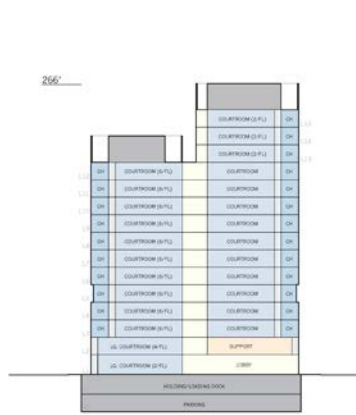
OPTION 1A
4 COURTROOMS/FL
19 FLOORS



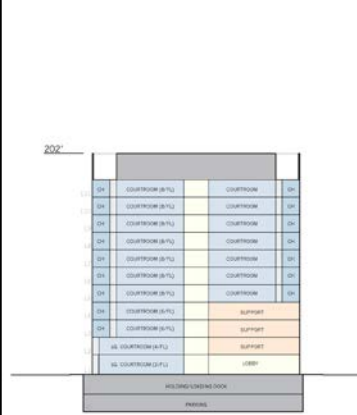
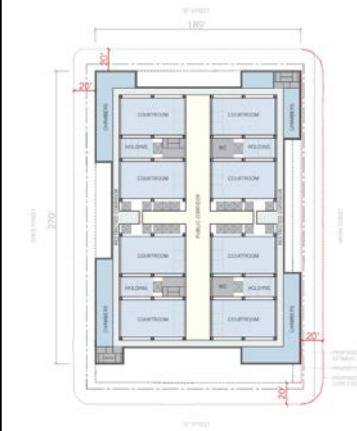
OPTION 1B
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19 FLOORS



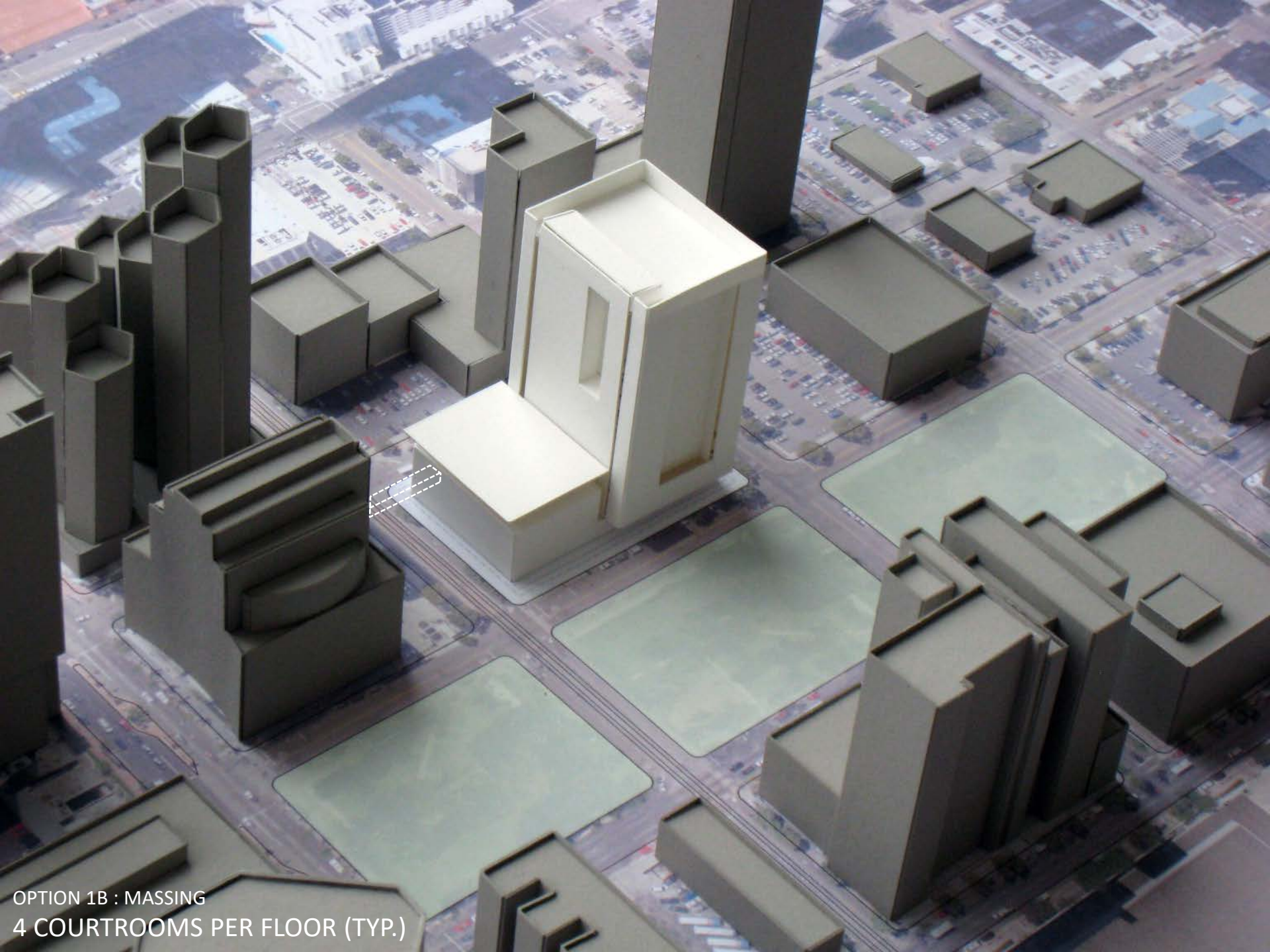
OPTION 2A
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13 FLOORS



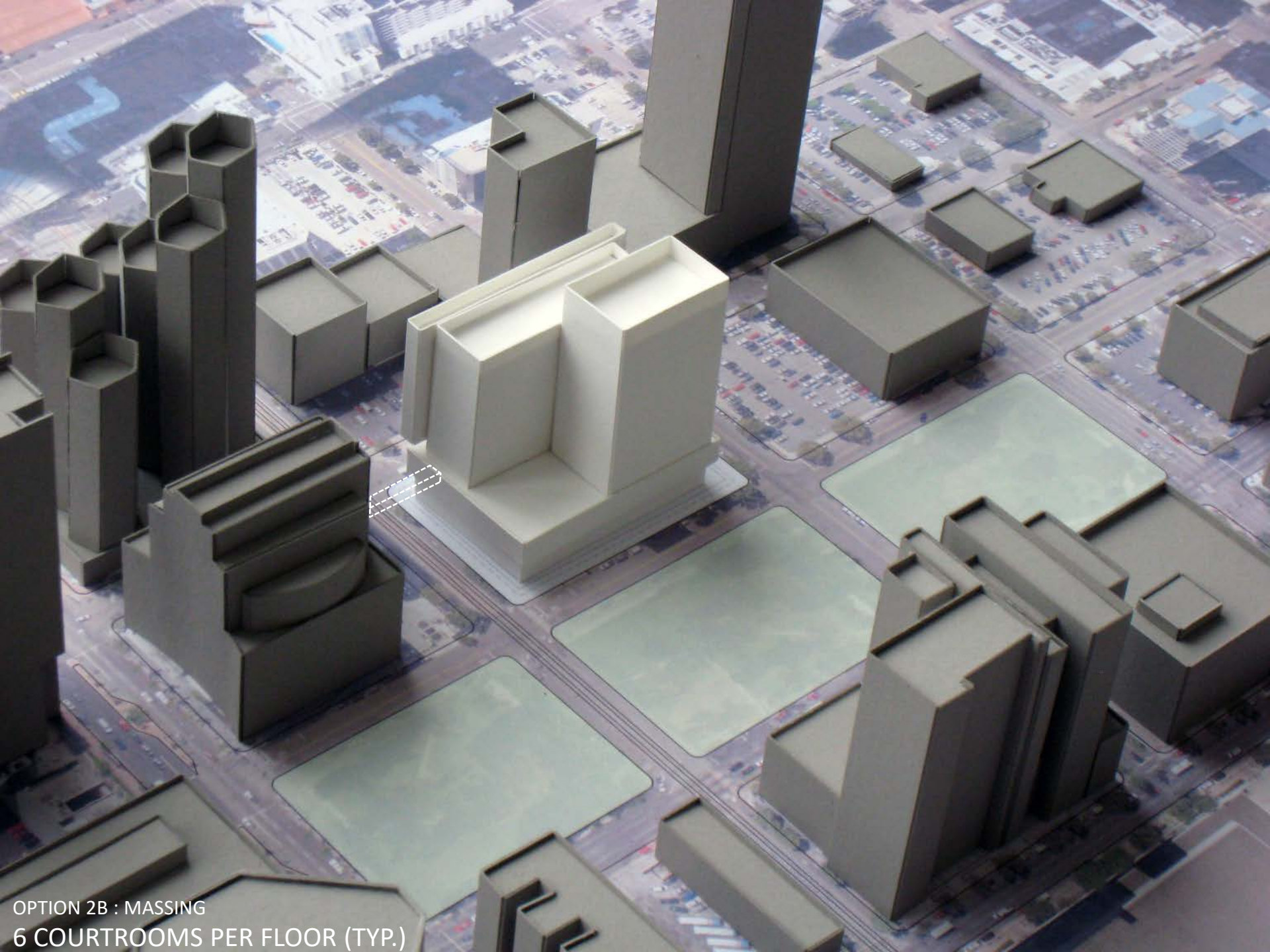
OPTION 2B
6 COURTROOMS/FL
15 FLOORS



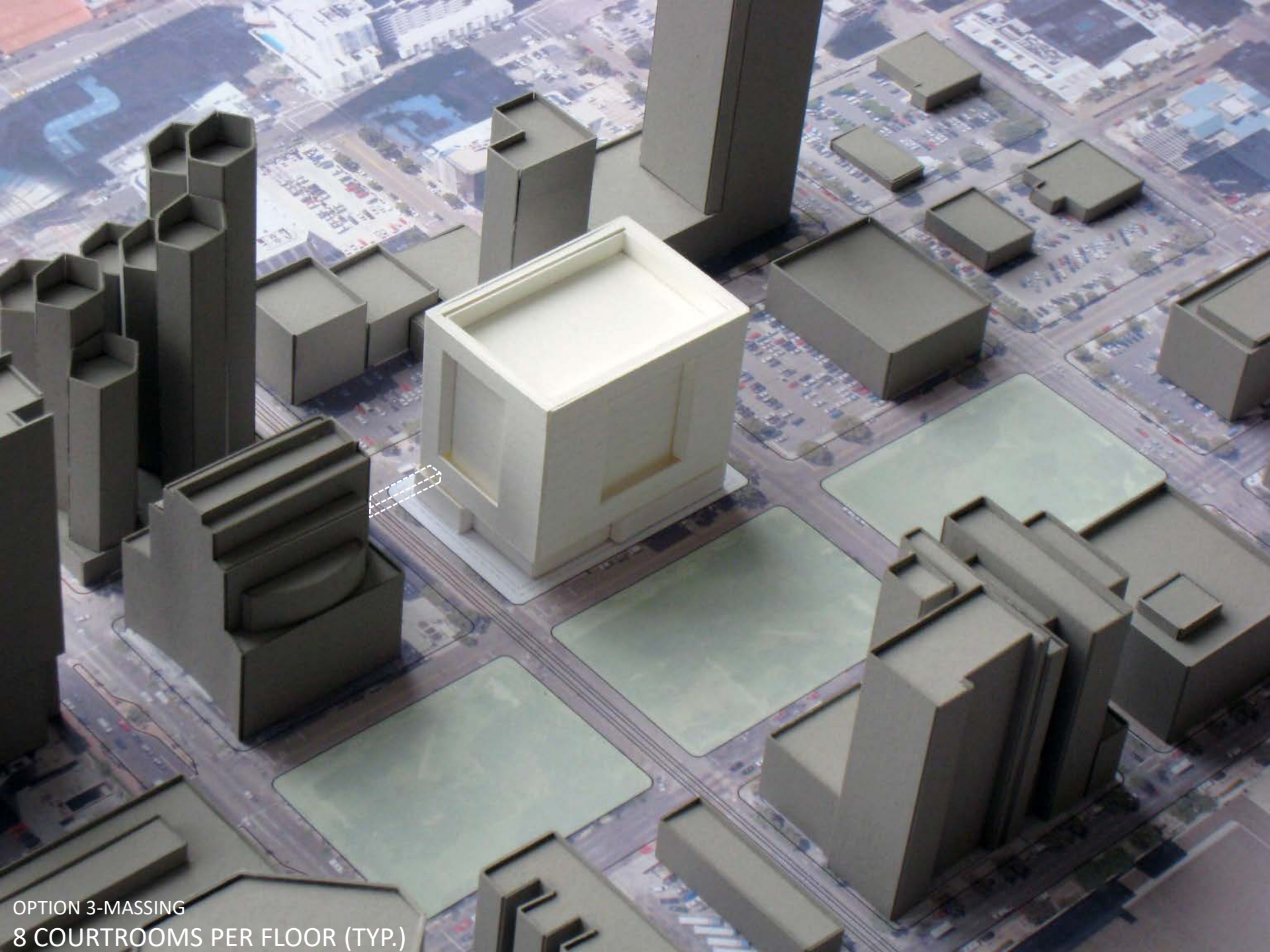
OPTION 3
8 COURTROOMS/FL
11 FLOORS



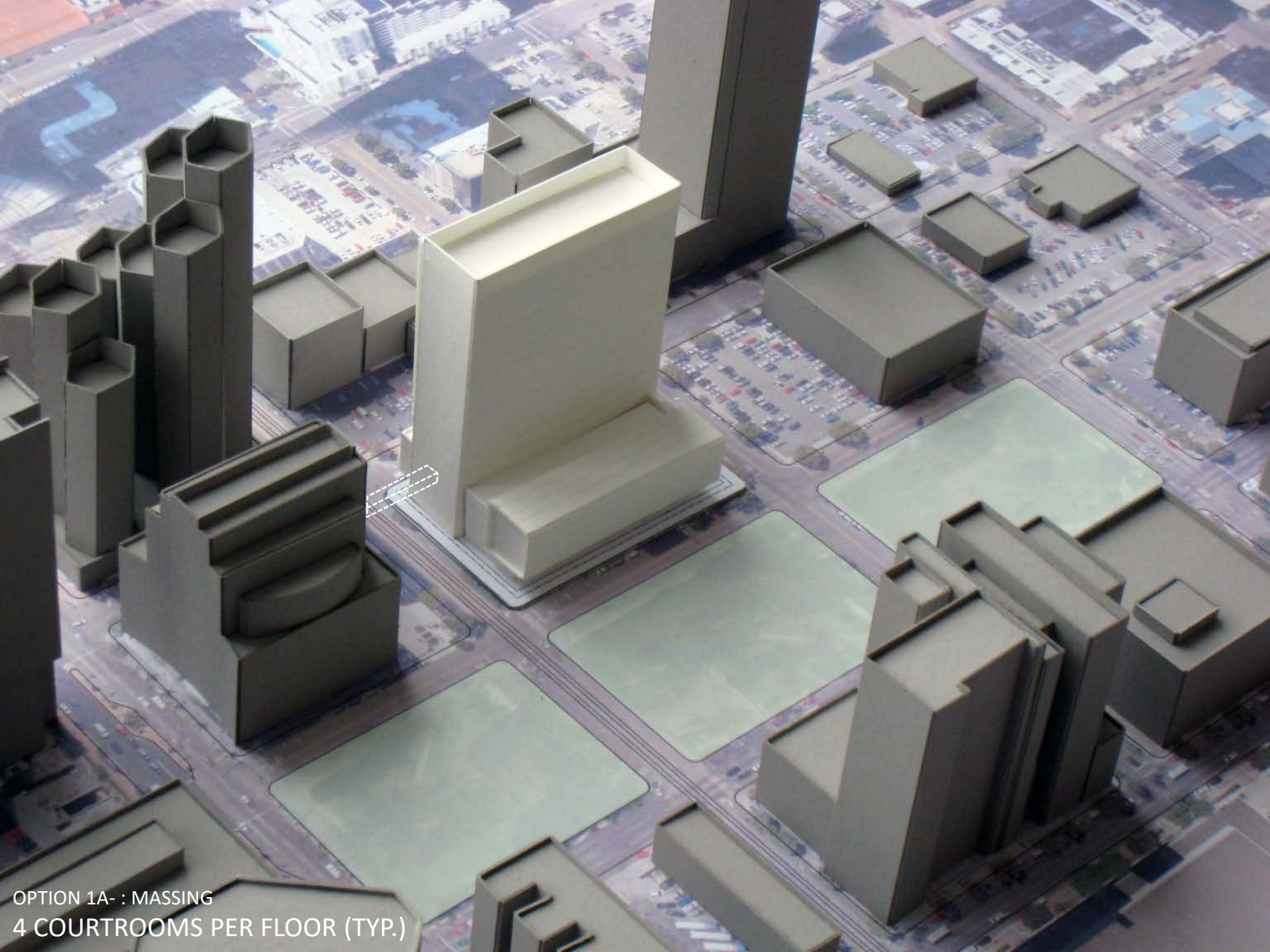
OPTION 1B : MASSING
4 COURTROOMS PER FLOOR (TYP.)



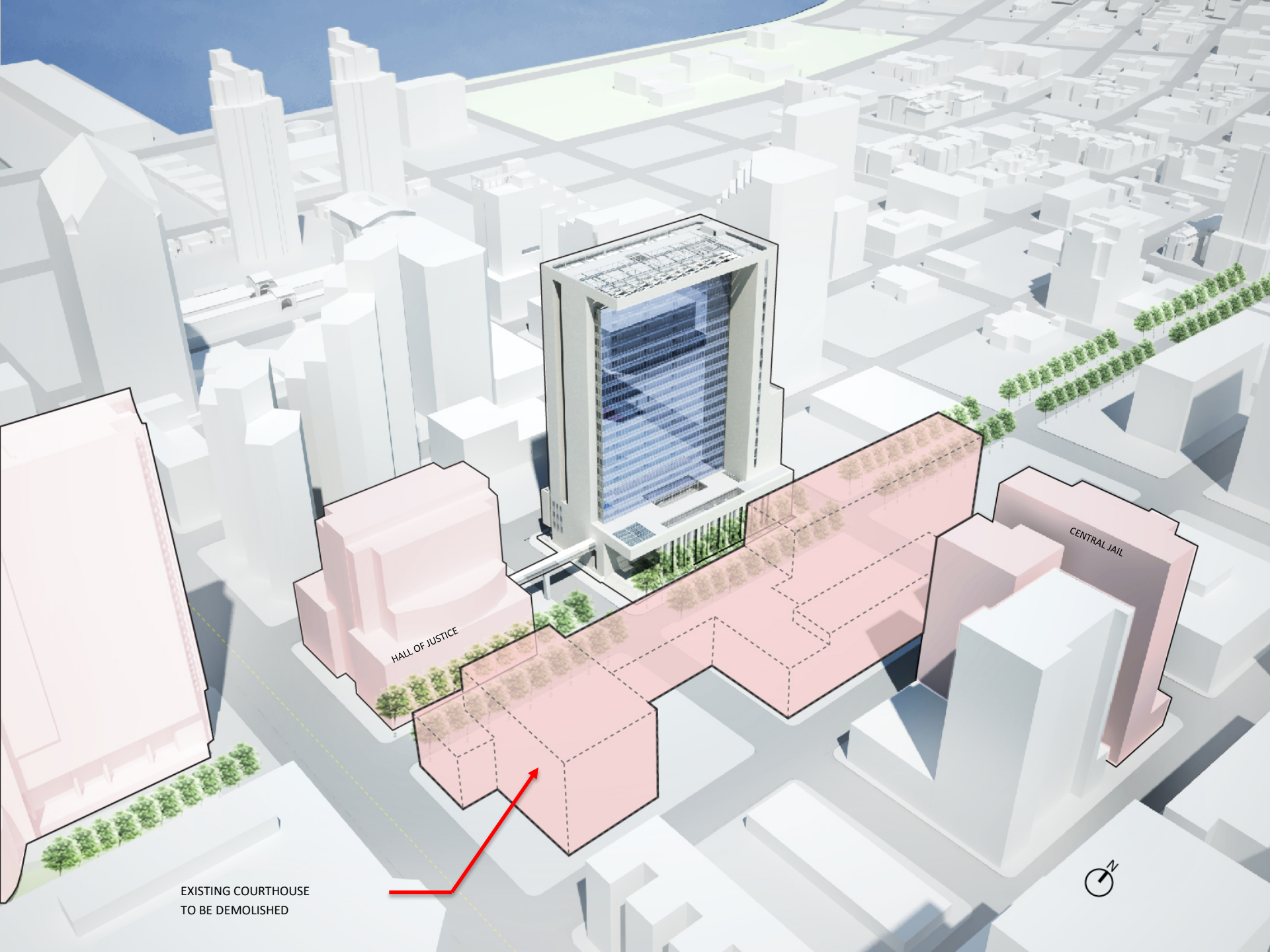
OPTION 2B : MASSING
6 COURTROOMS PER FLOOR (TYP.)



OPTION 3-MASSING
8 COURTROOMS PER FLOOR (TYP.)



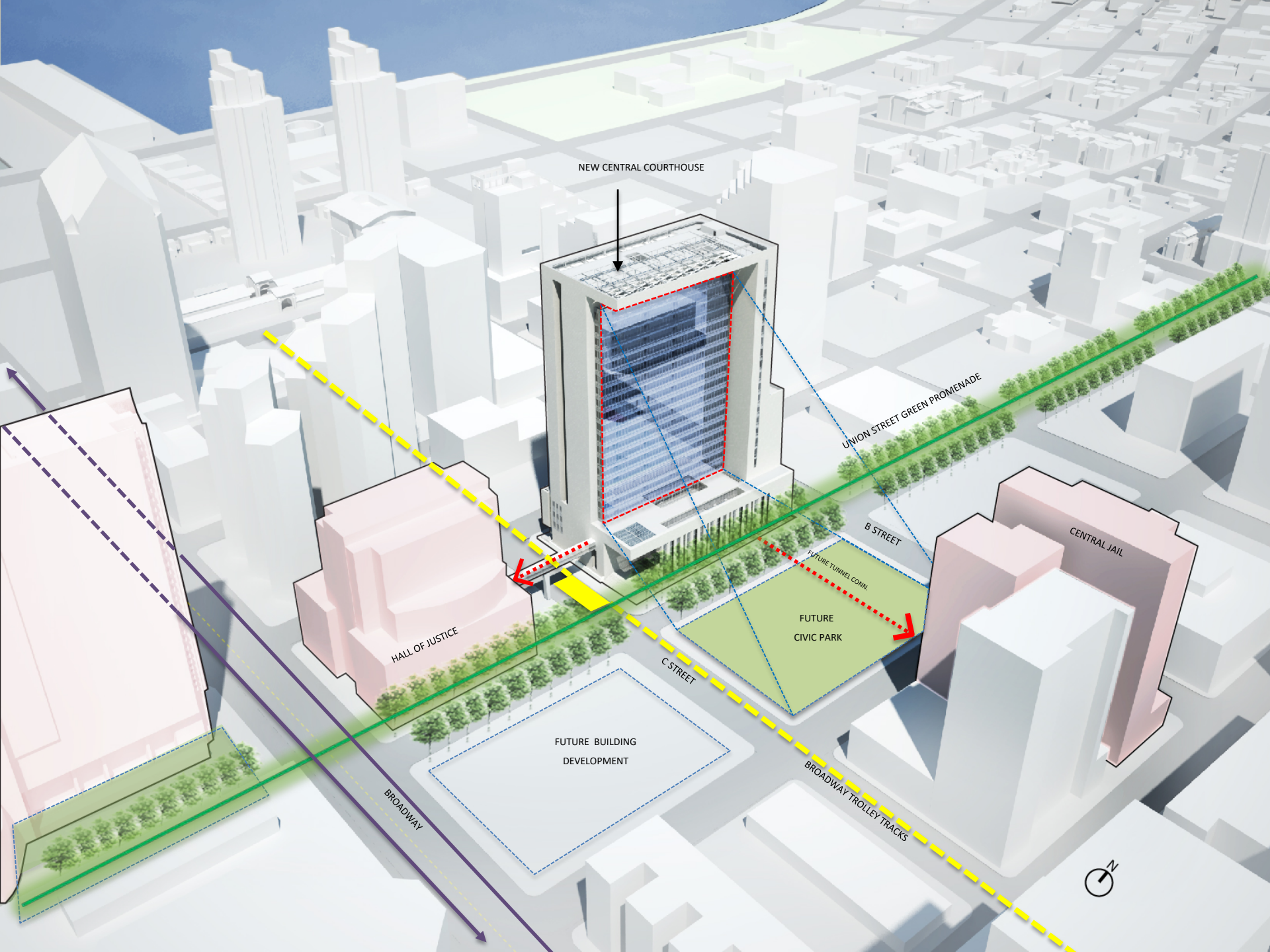
OPTION 1A- : MASSING
4 COURTROOMS PER FLOOR (TYP.)



HALL OF JUSTICE

CENTRAL JAIL

EXISTING COURTHOUSE
TO BE DEMOLISHED



NEW CENTRAL COURTHOUSE

UNION STREET GREEN PROMENADE

B STREET

CENTRAL JAIL

FUTURE TUNNEL CONN.

FUTURE CIVIC PARK

C STREET

FUTURE BUILDING DEVELOPMENT

BROADWAY TROLLEY TRACKS

BROADWAY

HALL OF JUSTICE

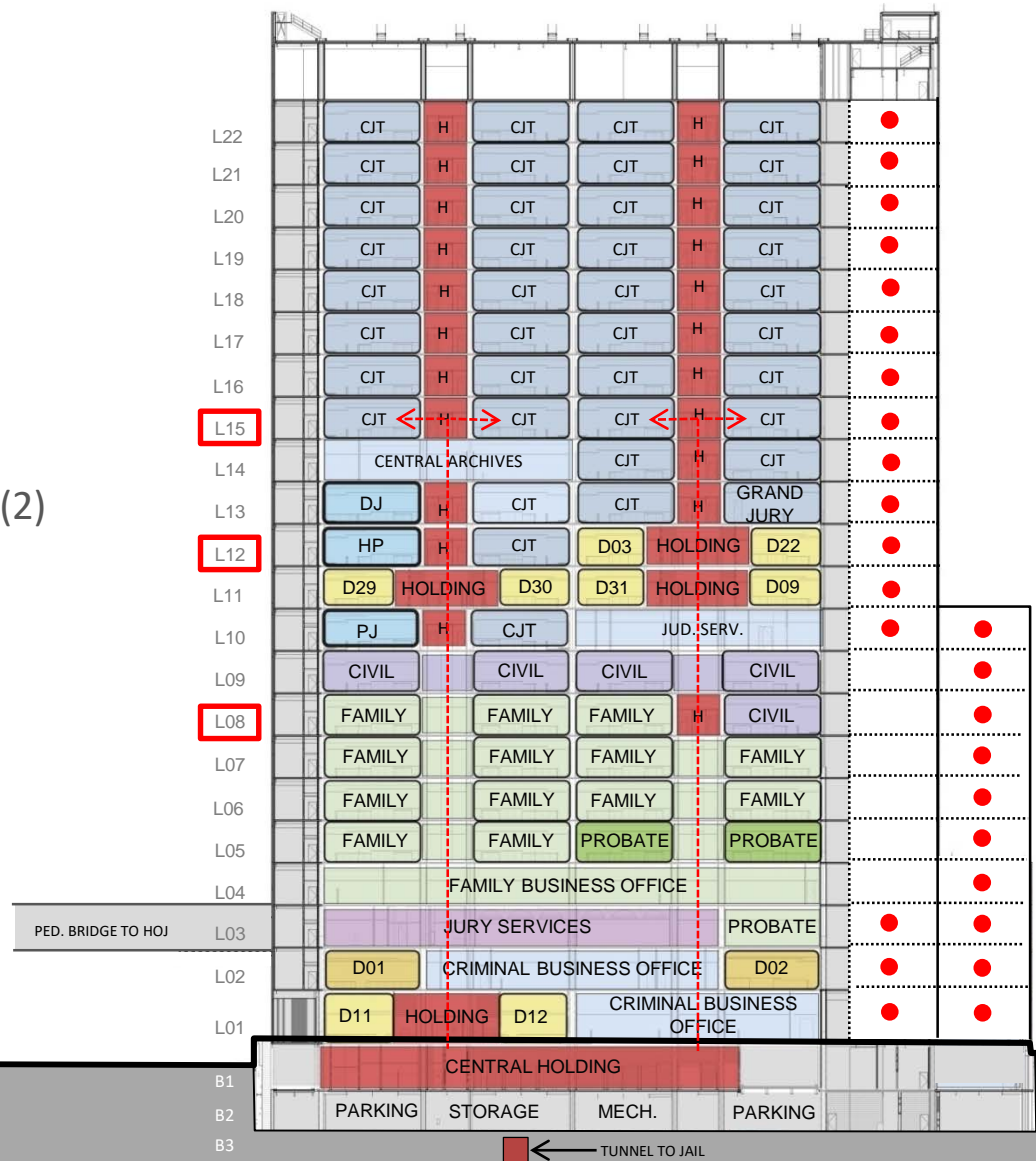
Building design efficiently accommodates a multitude of Court functions while allowing for future flexibility

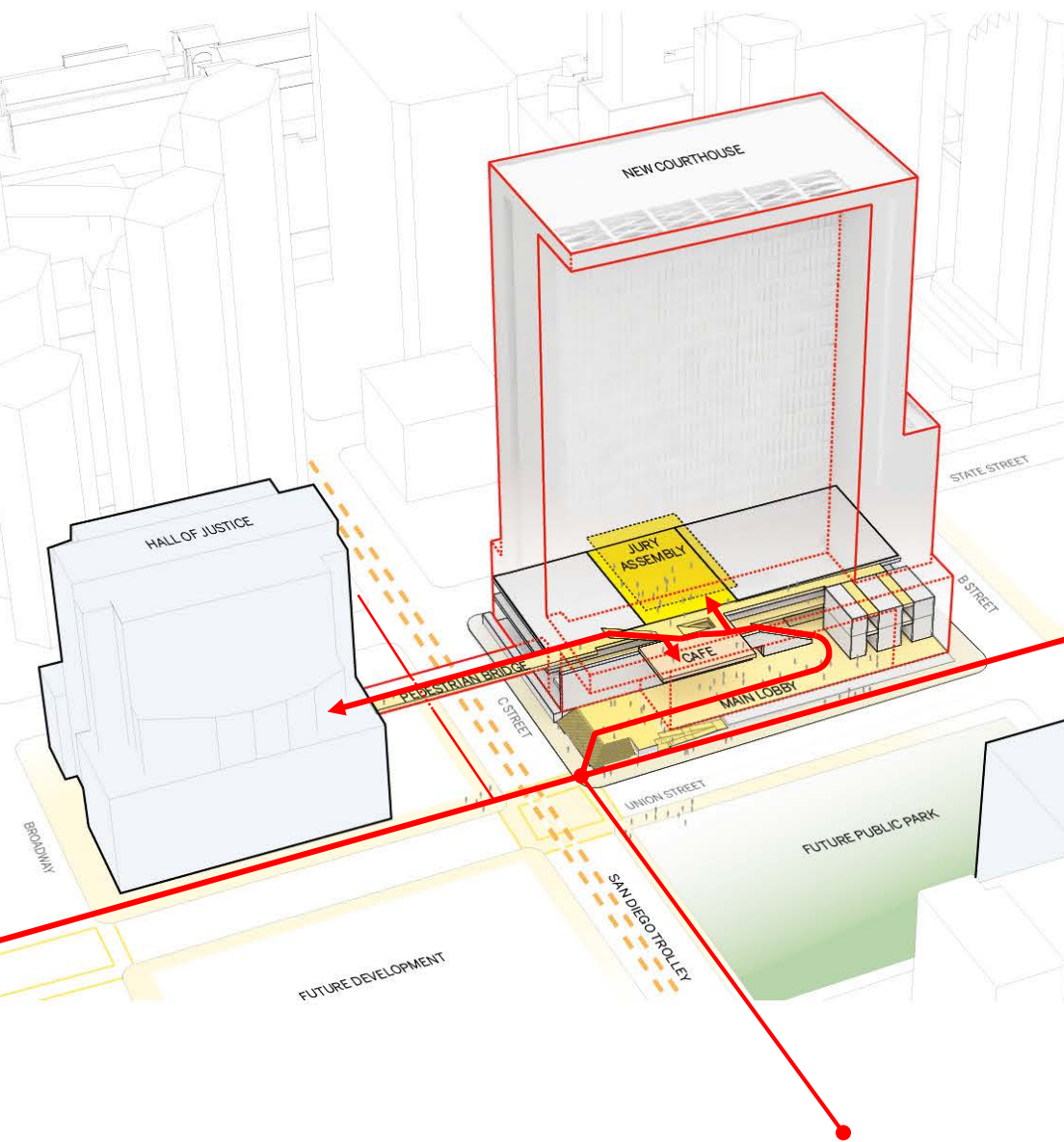
Area: 704,000 SF

Height: 389 feet, 22 Stories

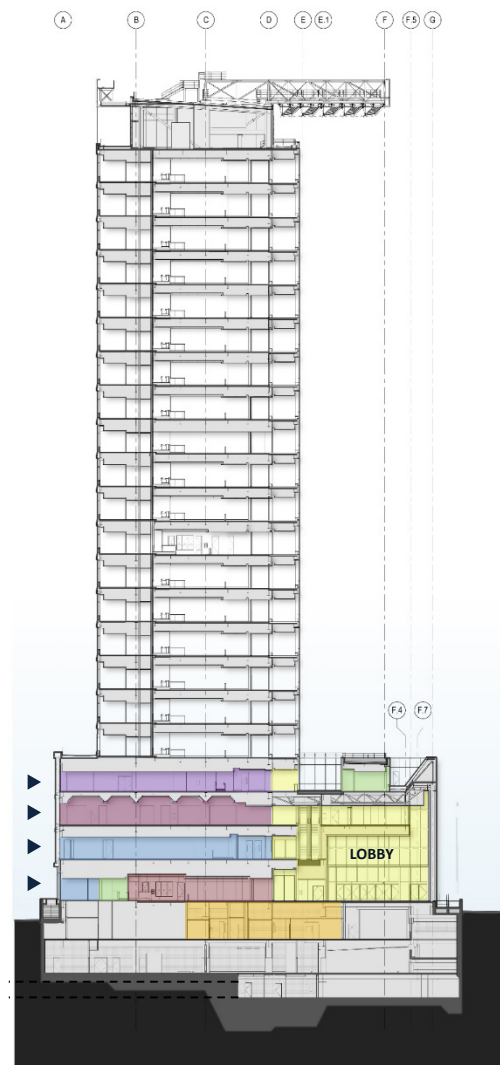
Number of Courtrooms: 71

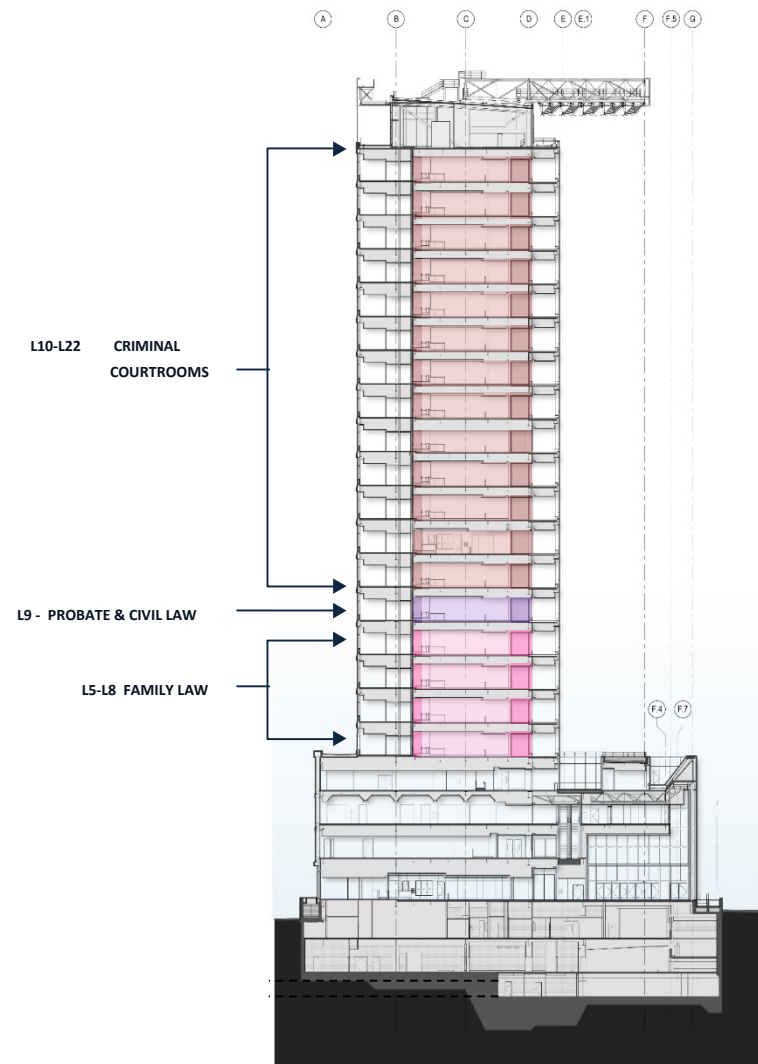
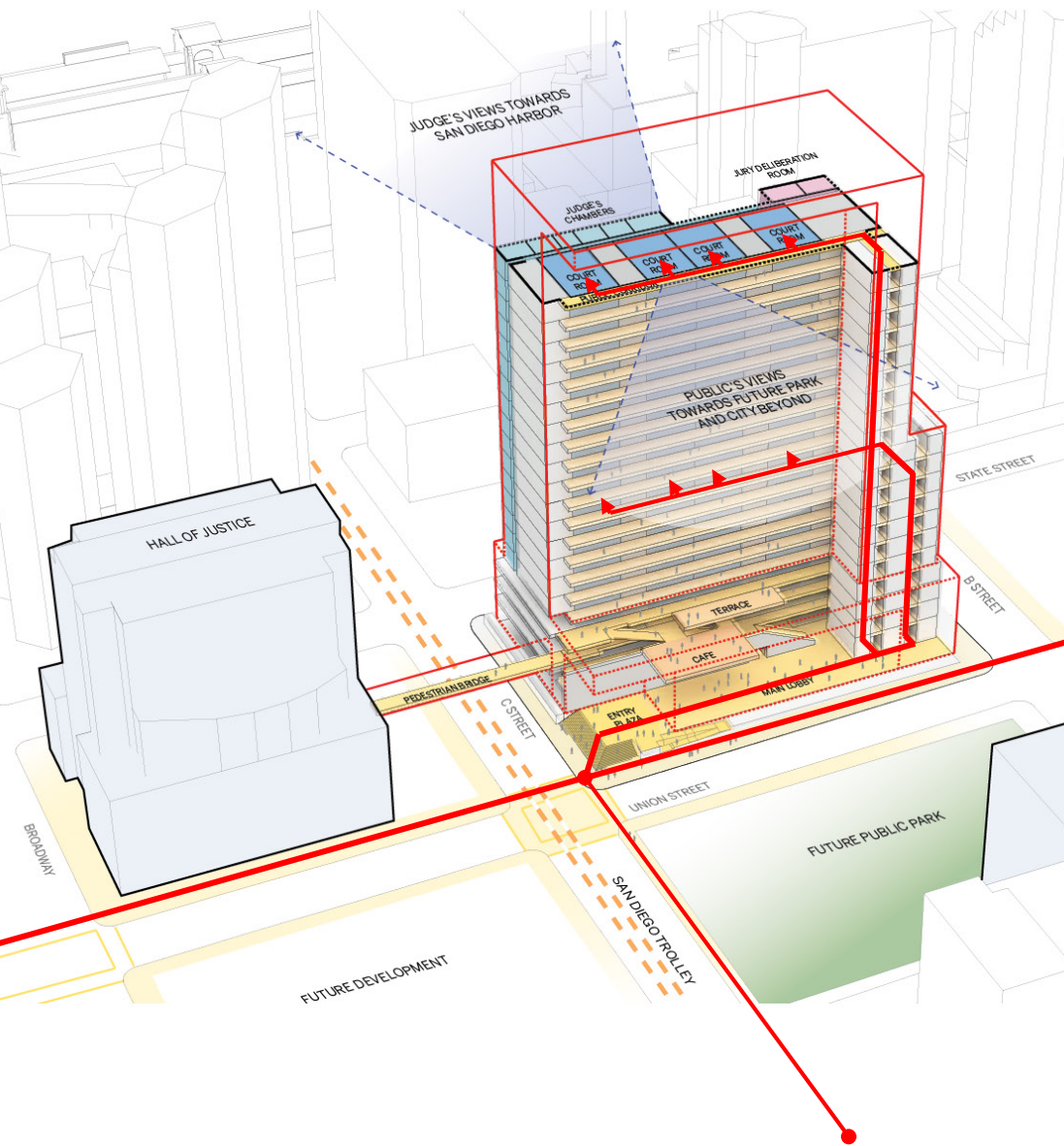
- Criminal Jury Trial Courtrooms (39)
- Large Courtrooms (3)
- High Volume Felony Courtrooms (8)
- High Volume Misdemeanor Courtrooms (2)
- Civil Courtrooms (5)
- Family Courtrooms (13)
- Probate Courtrooms (2)
- Jury Services
- Family Business Office
- Criminal Business Office
- Holding
- Building Support (Parking/Mech.)

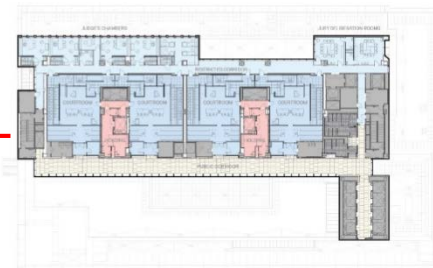
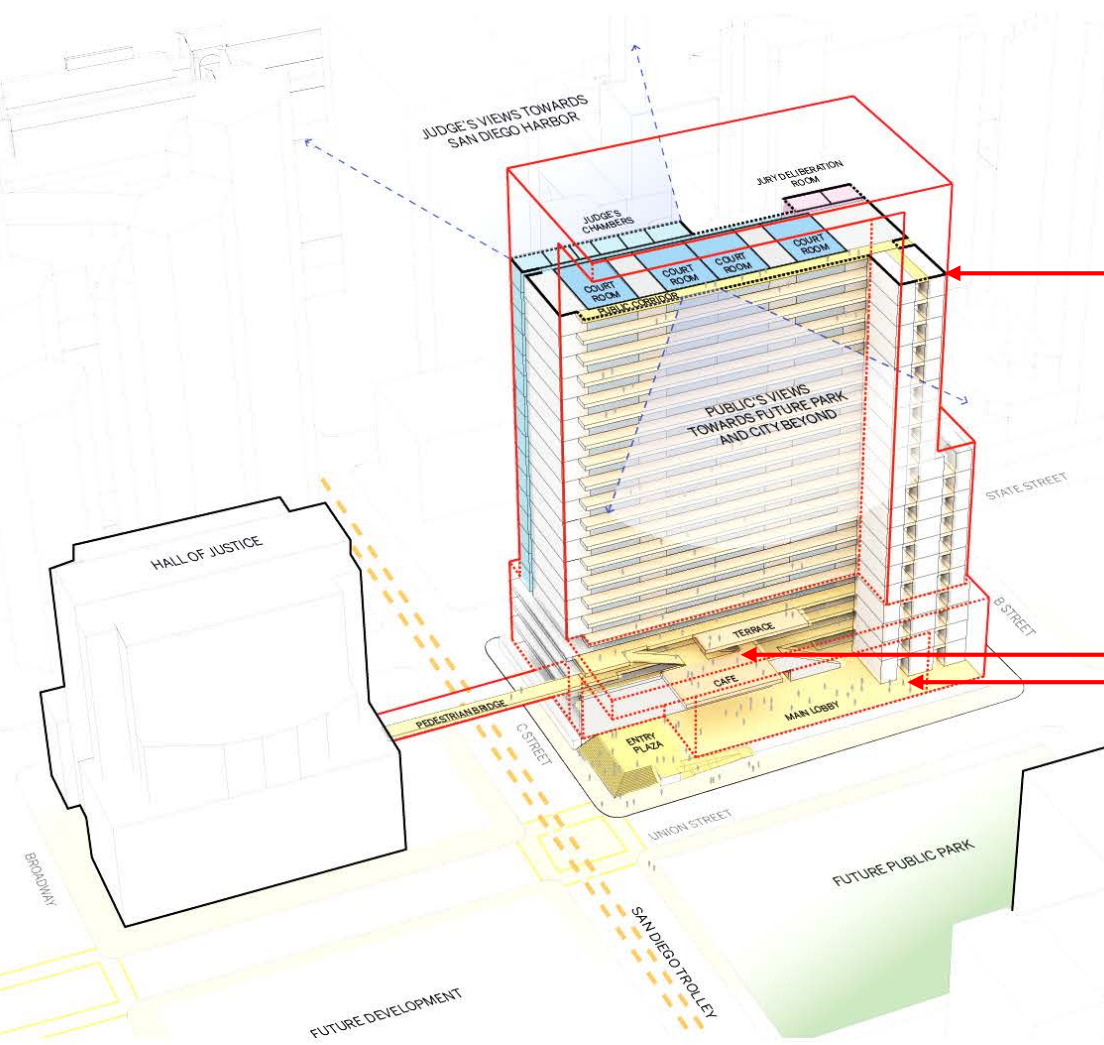




- L4 - OFFICE & BREAK ROOM
- L3 - JURY ASSEMBLY & CAFE
- L2 - CRIMINAL BUSINESS
- L1 - FELONY ARRANGEMENT
- B1 - HOLDING CELLS
- B2 - MECH. & PARKING
- B3 - FUTURE TUNNEL CONN.







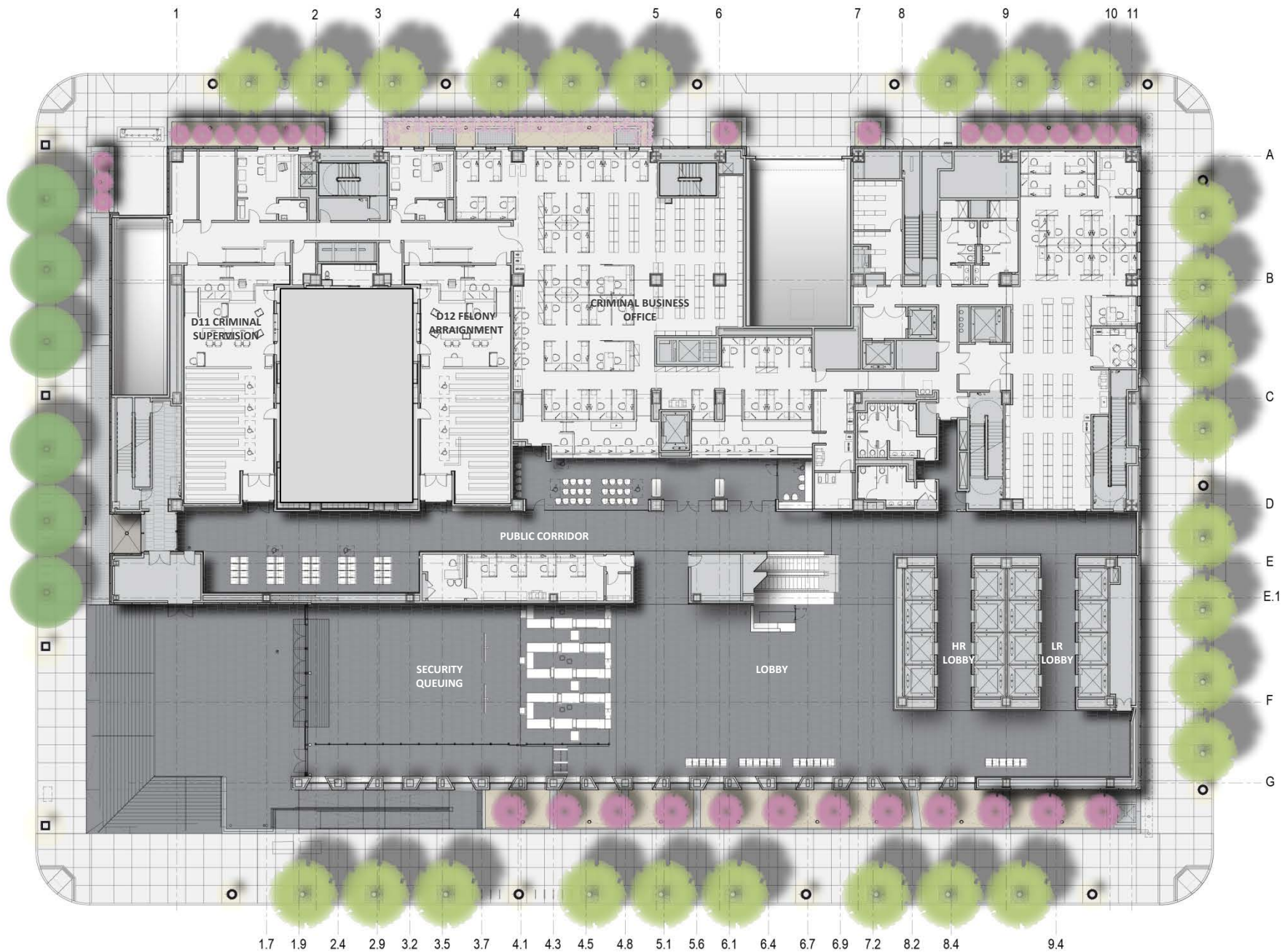
TYP. LEVEL

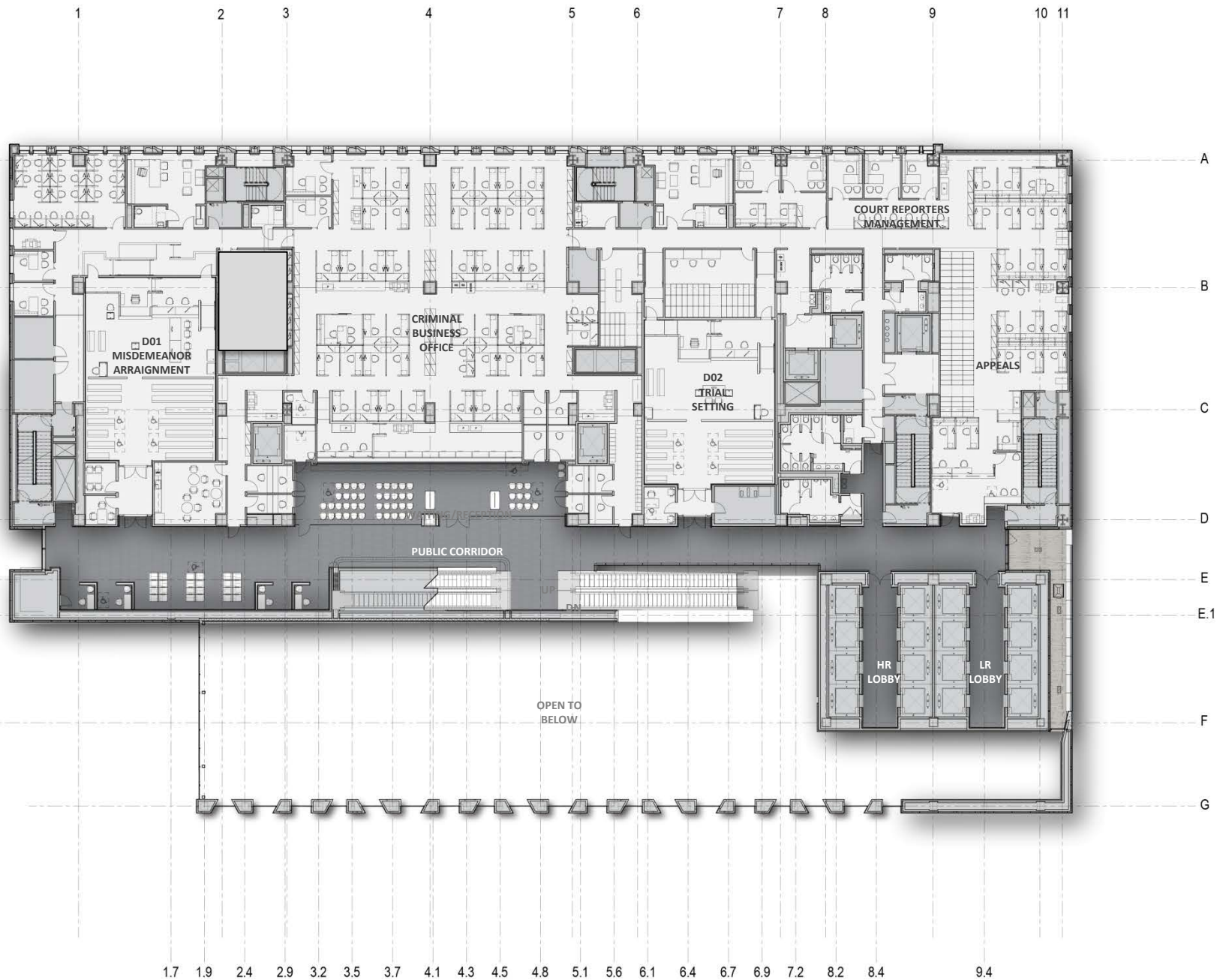


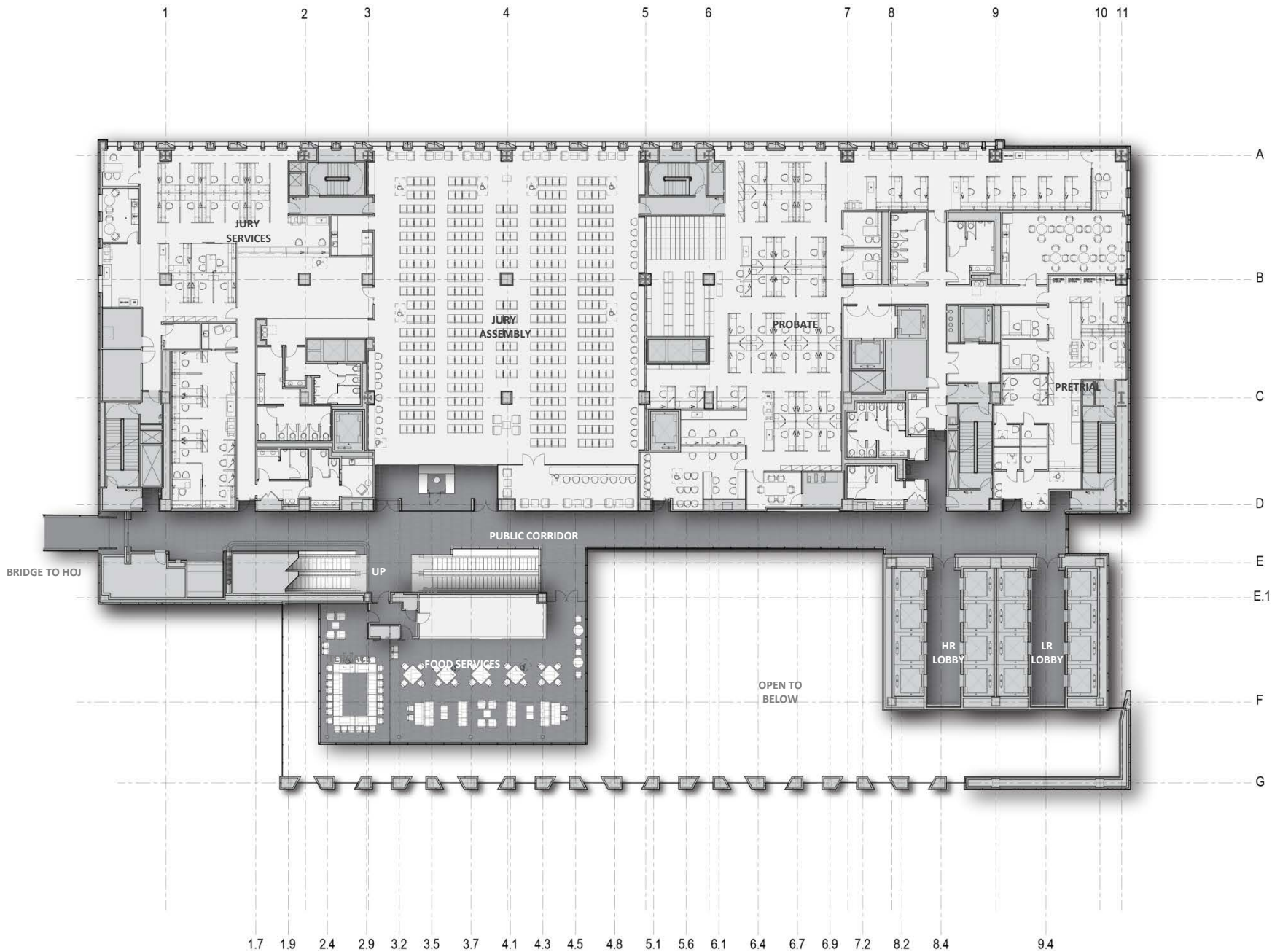
LEVEL 03

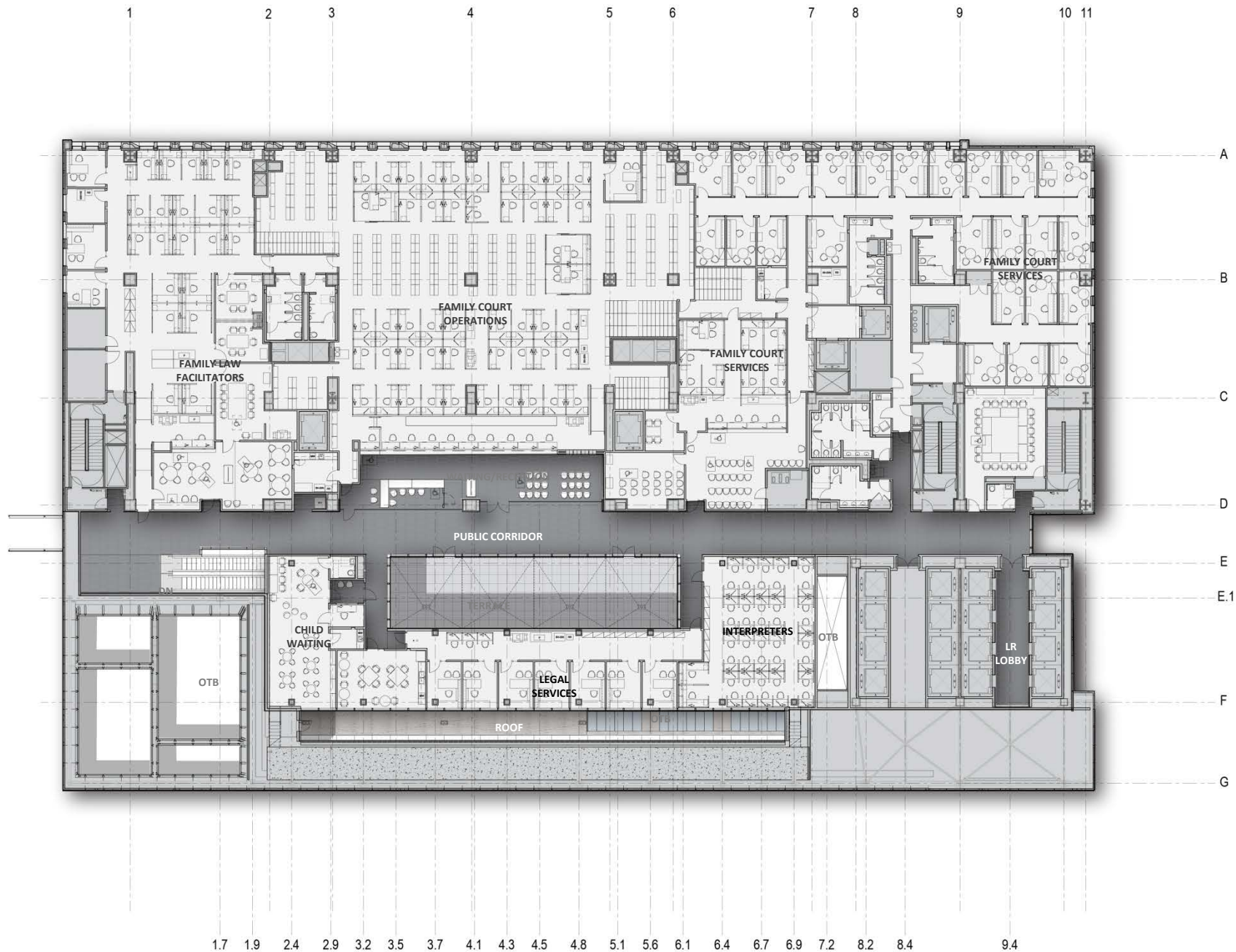


LEVEL 01











DEPARTMENTS 101|102
BUSINESS OFFICE 150



ELEVATORS

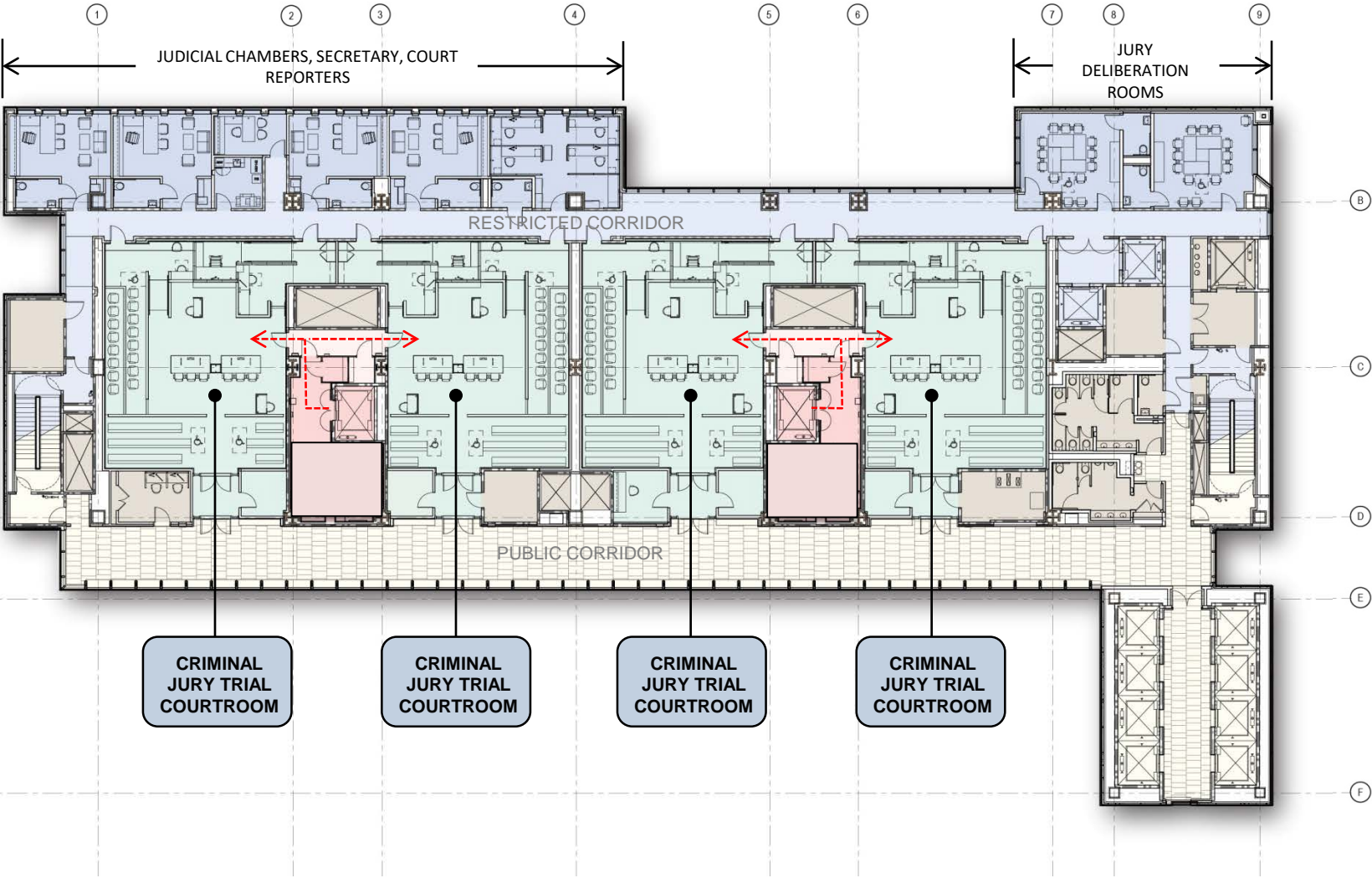




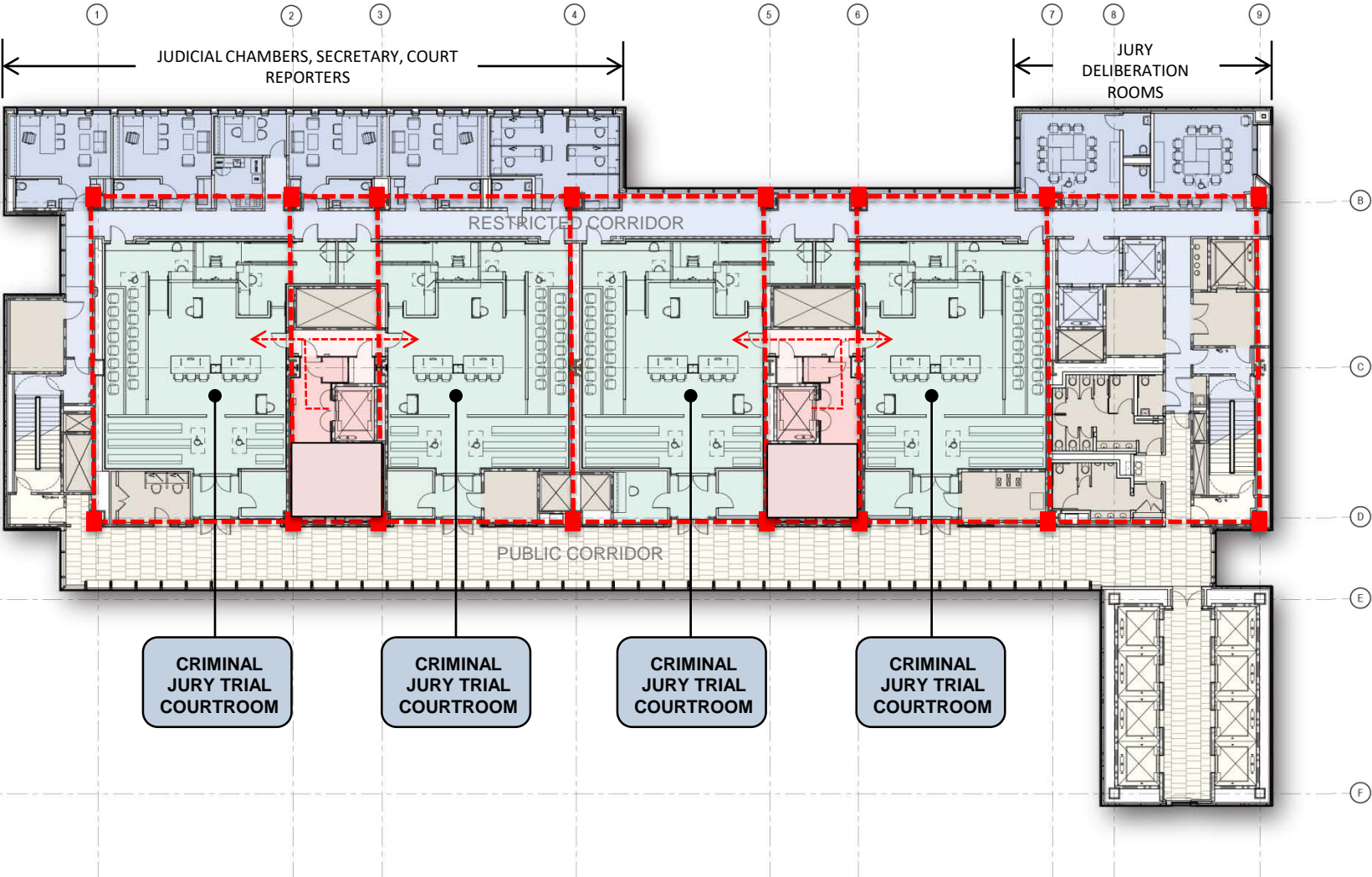




Typical Criminal Jury Trial Courtroom Floor Plan: L15 – L22

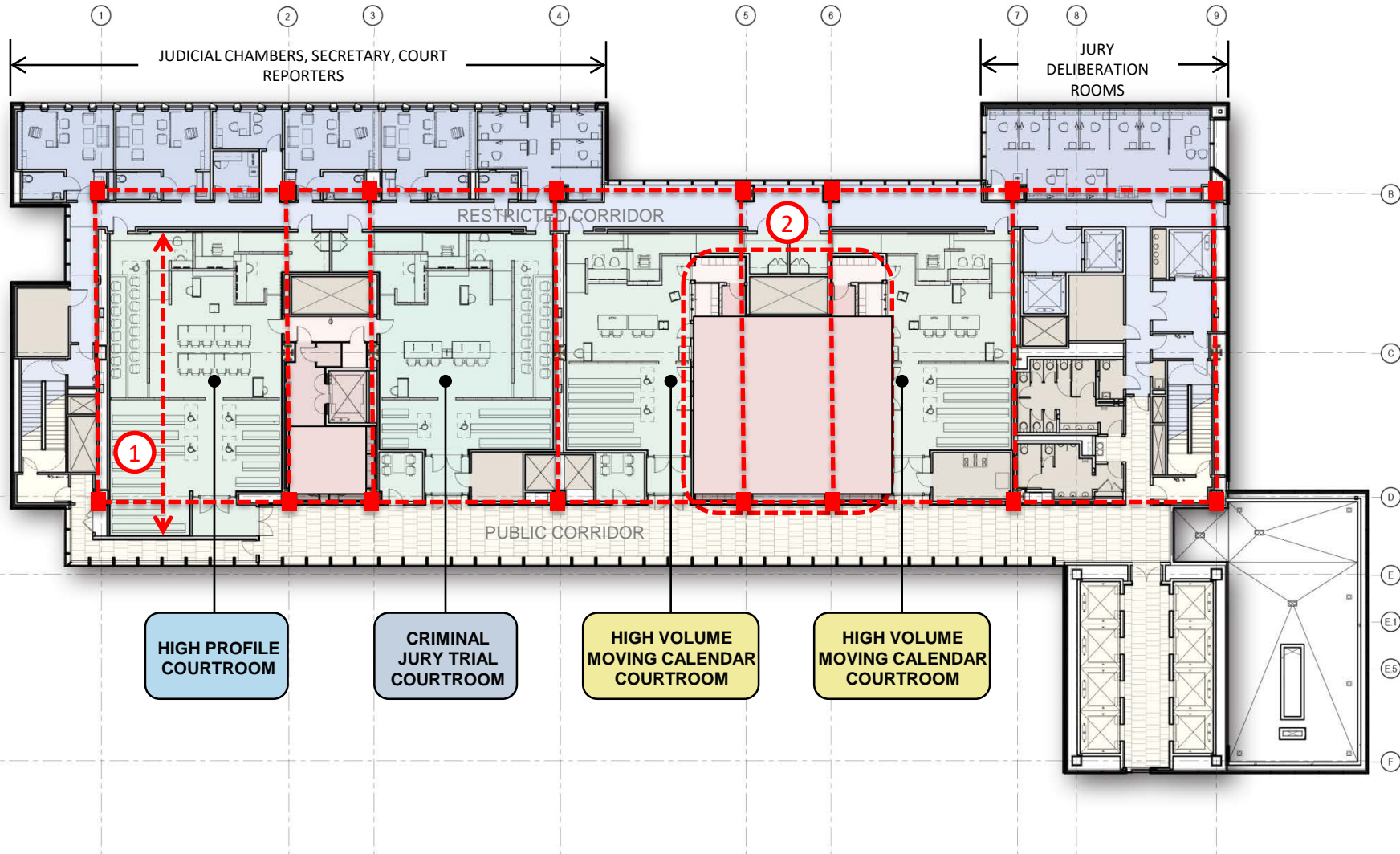


Typical Criminal Jury Trial Courtroom Floor Plan: L15 – L22



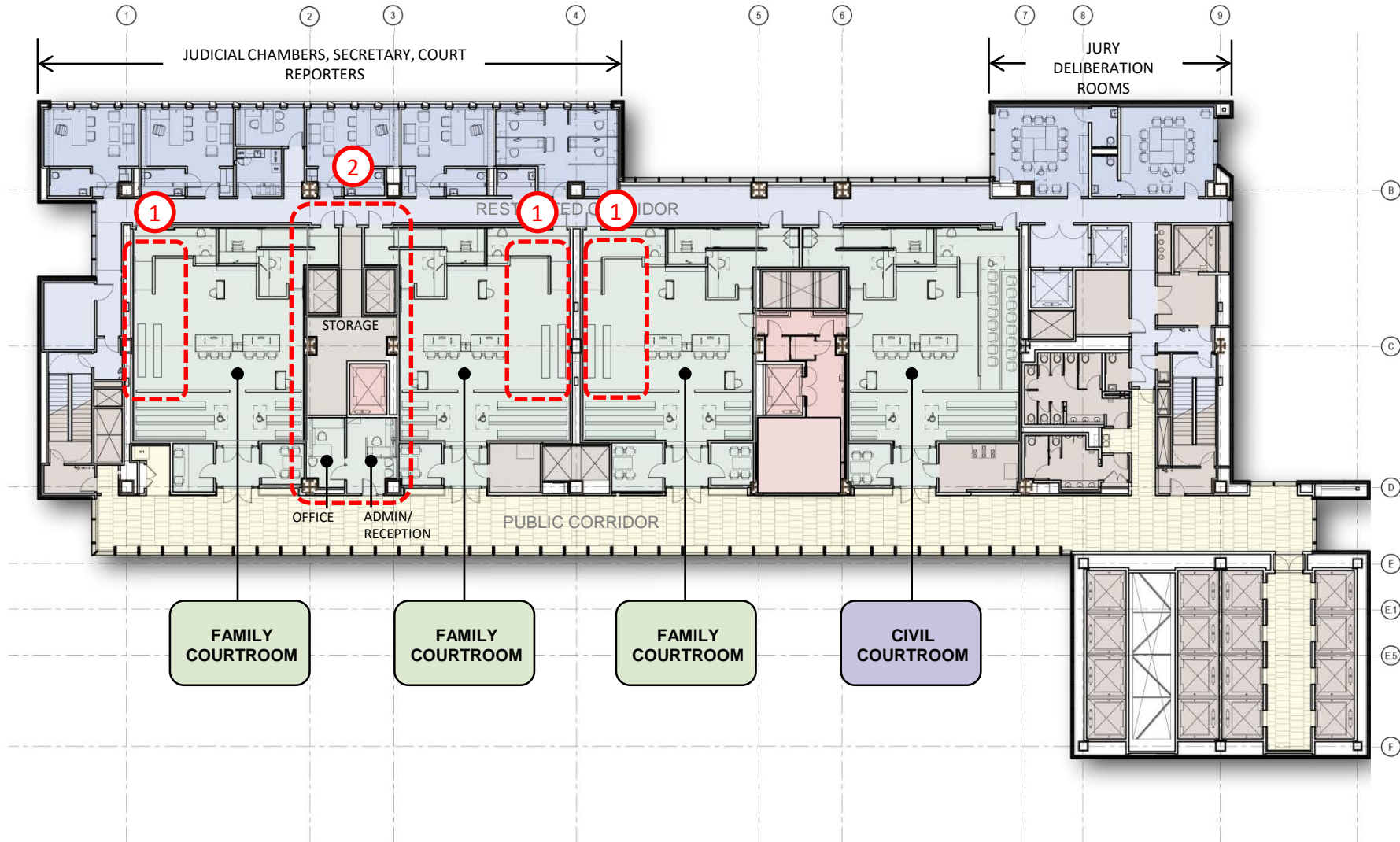
High Profile and Felony Arraignment Courtroom Floor Plan

1. Plan design allows for extension of larger courtrooms into public corridor.
2. Plan design allows for expansion of holding to include in-custody dock, interview booths, and expanded holding.



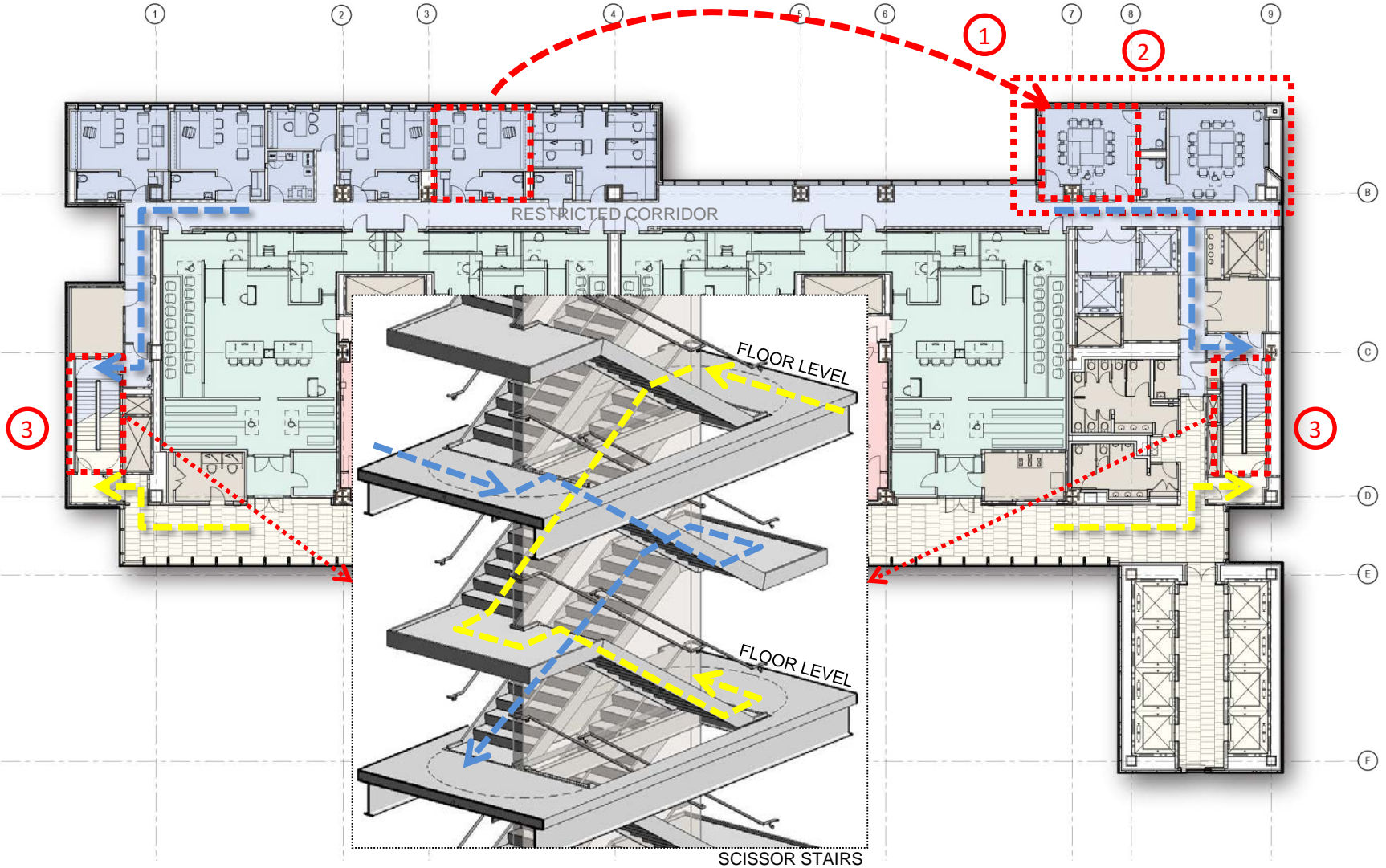
Family Law and Civil Courtroom Floor Plan

1. Courtroom template accommodates various court types allowing for future flexibility and efficiency.
2. Holding areas convert to other functions at Family Law courtroom.

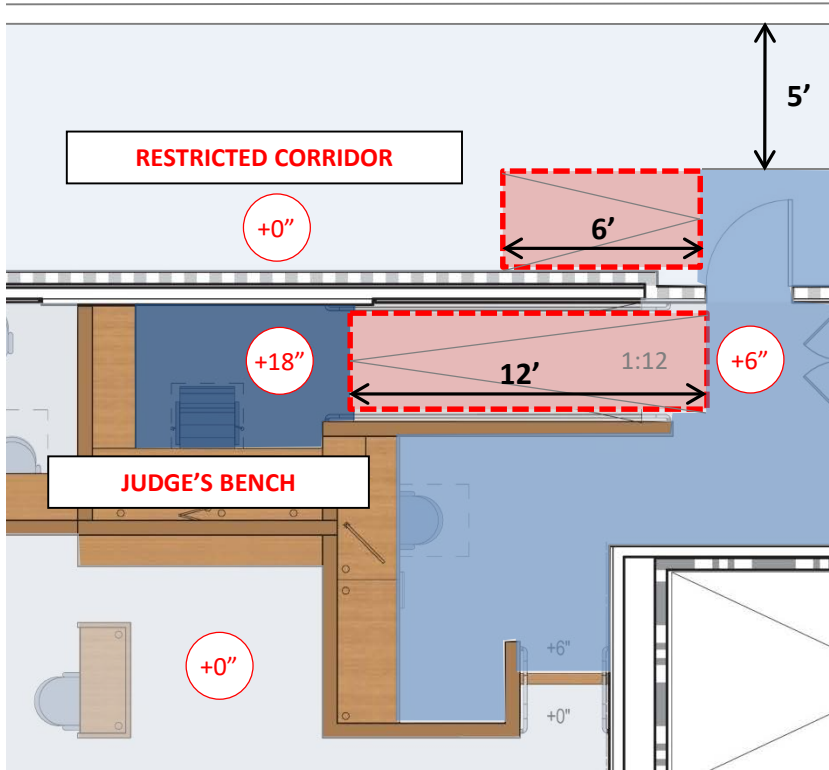


Program Flexibility and Efficiencies

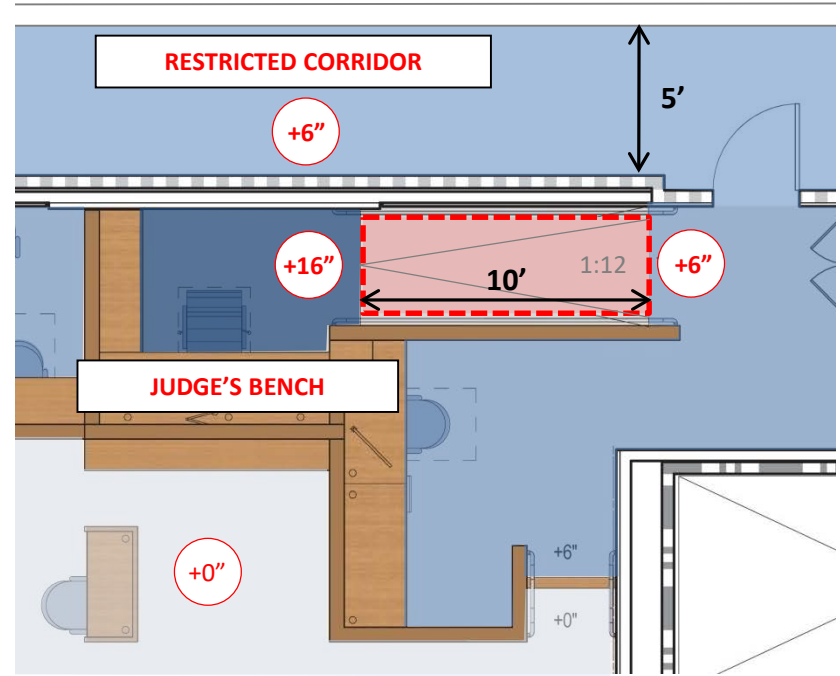
1. Jury Deliberation Rooms convert to Judge's Chambers for Future Flexibility.
2. Collocated Jury Deliberation Rooms become Conference Room.
3. Four stairs in the space of two using Scissor Stairs.



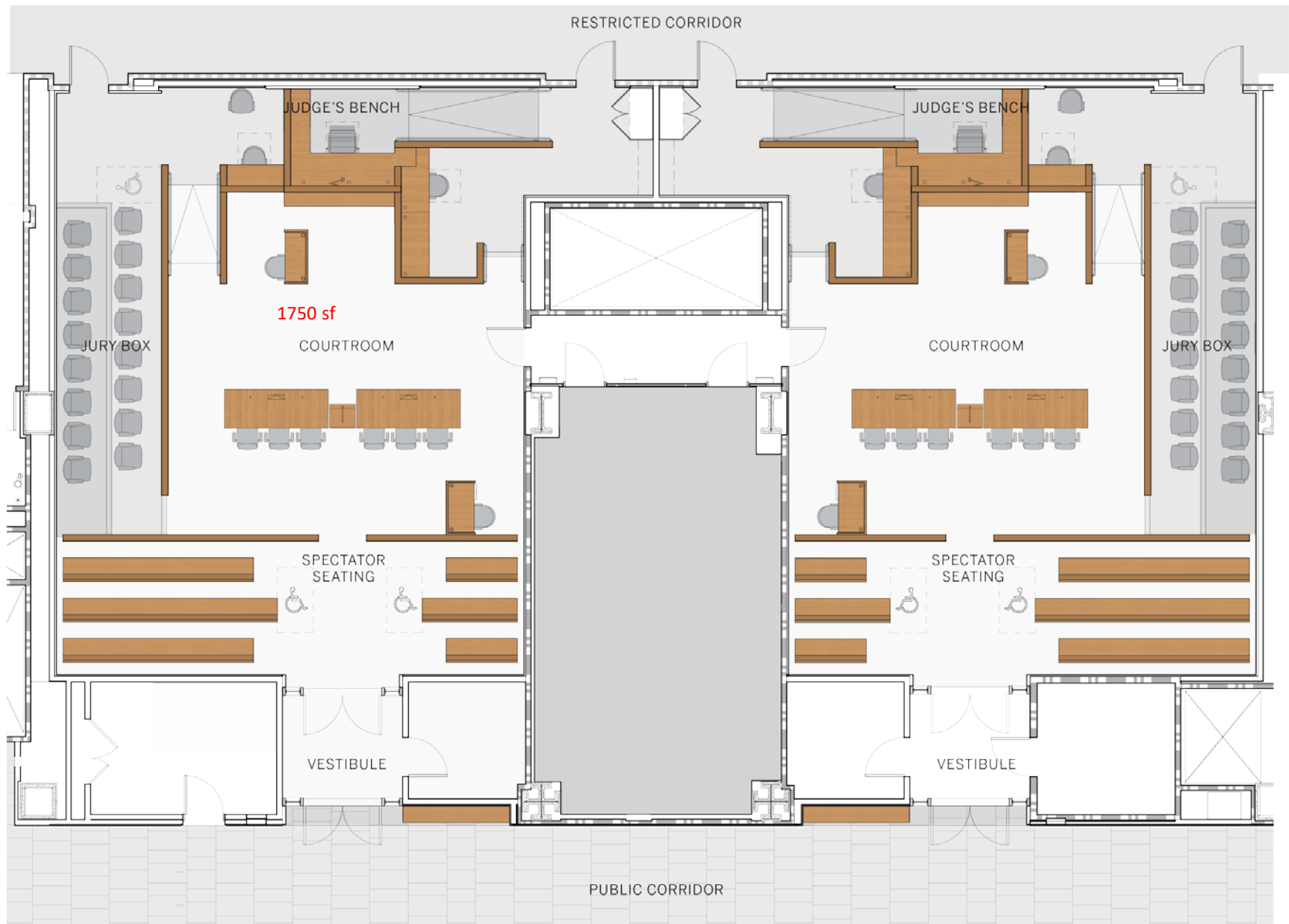
Adjustment of Restricted Corridor and Judge's Bench heights resulted in savings of over 2,000 SF of ADA ramp area



Without height adjustments



With height adjustments

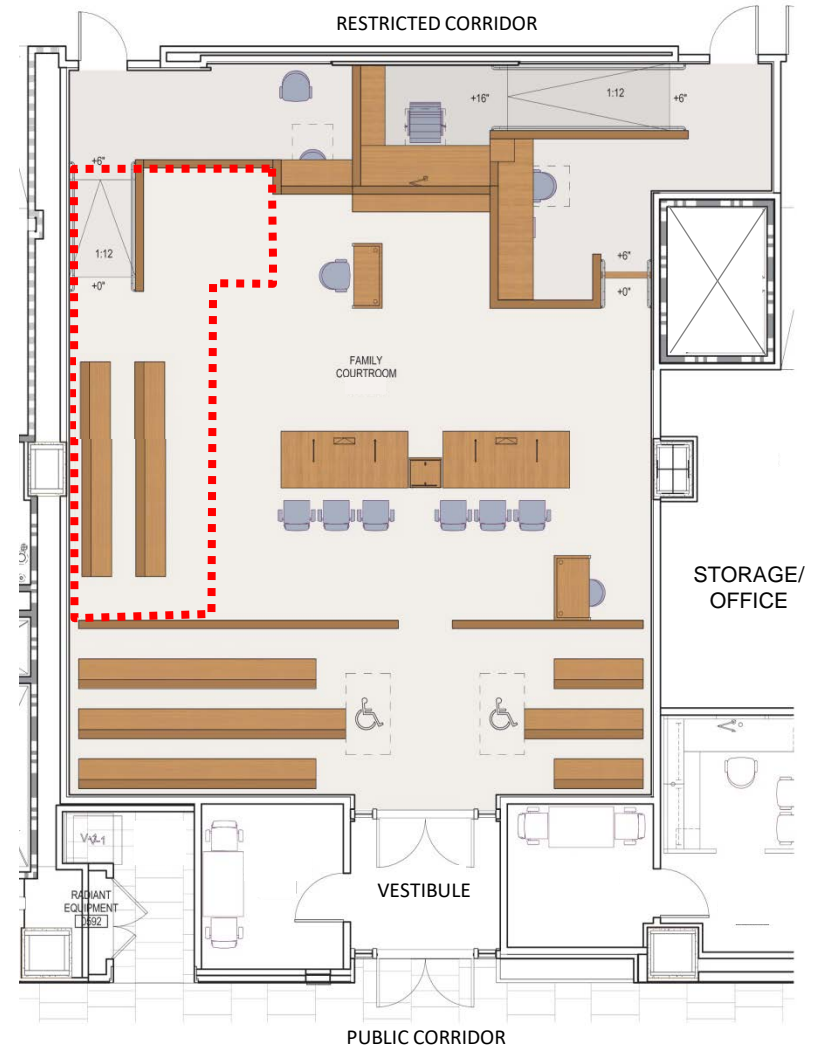


TYPICAL CRIMINAL TRIAL COURTROOM PLAN LAYOUT

**Utilization of standardized courtroom size adaptable to
different courtroom types for future flexibility**



**Criminal Jury Trial Courtroom or
Civil Courtroom**

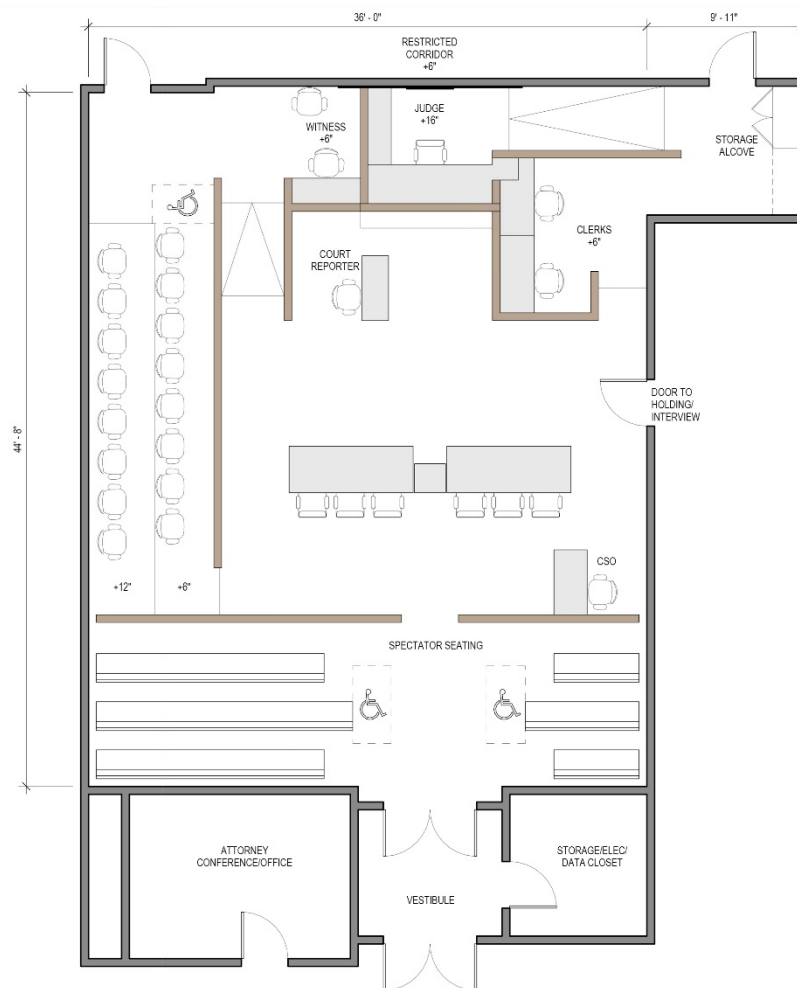


**Family Law Courtroom or
Probate Courtroom**

SAN DIEGO CENTRAL COURTHOUSE
SAN DIEGO COUNTY, SAN DIEGO
Courtroom Component Information

COURTROOM TYPE	TOTAL SQUARE FEET (INCLUDES RAMP IN CORRIDOR)		SPECTATOR SEATING AT 18"	
Typical Trial	1700		44+2 W.C.	
ELEMENT OR WORKSTATION	FURNITURE / CASEWORK		HEIGHT ABOVE FLOOR	NO. OF OCCUPANTS
	WIDTH	DEPTH		
Judge	8'-0"/5'-0"	2'-6"/1'-6"	+16"	1
Courtroom Clerk	10'-0"	2'-2"	+6"	2
Court Security Officer (CSO)	4'-2"	2'-2"	-	1
Court Reporter	4'-2"	1'-9"	-	1
Witness Stand	4'-6"	1'-8"	+6"	2
Jury Box	N/A	N/A	(1st row) +6" (2nd row) +12"	16
Counsel Tables	8'-0"	3'-6"	-	3 ea.
Lectern	2'-0"	2'-0"	-	-

SAN DIEGO CENTRAL COURTHOUSE



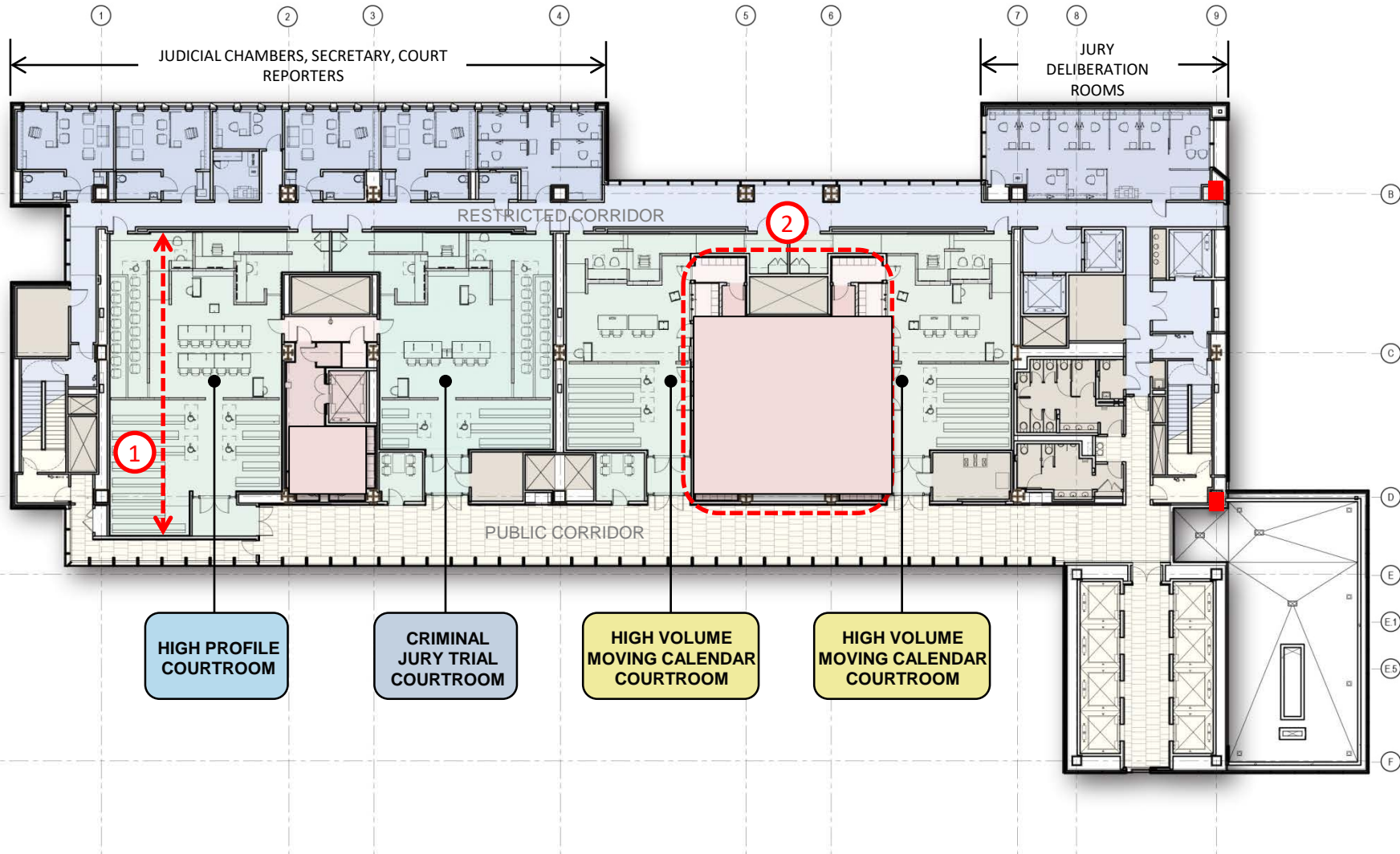






High Profile and Felony Arraignment Courtroom Floor Plan

1. Plan design allows for extension of larger courtrooms into public corridor.
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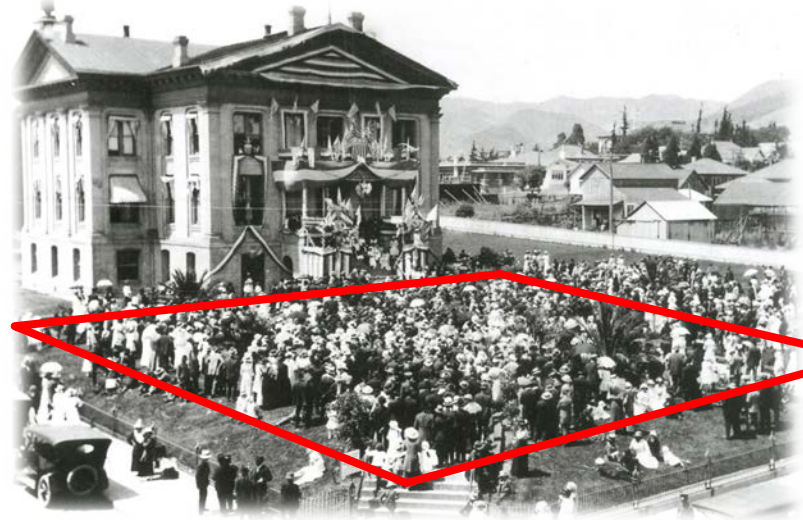




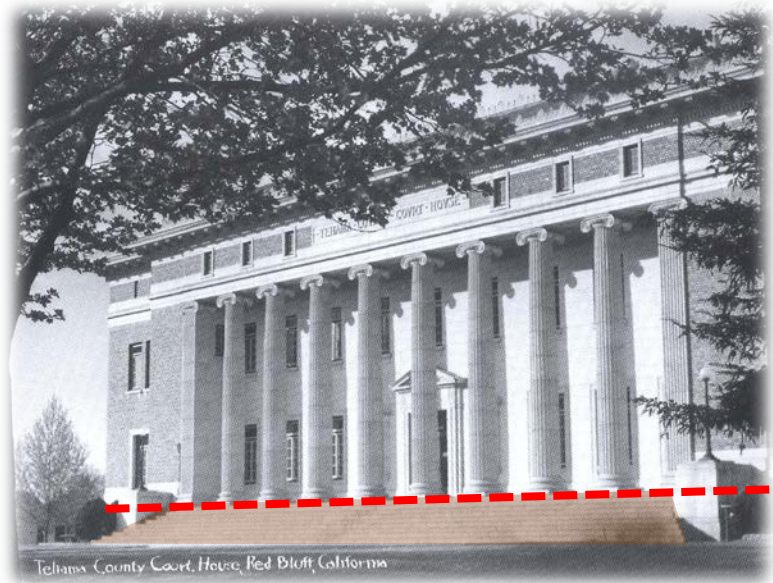




CIVIC ARCHITECTURE SET APART FROM THE COMMERCIAL REALM



CIVIC PLACES OF GATHERING

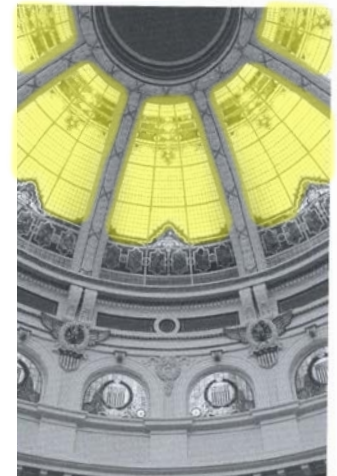


ELEVATED PIANO NOBILE

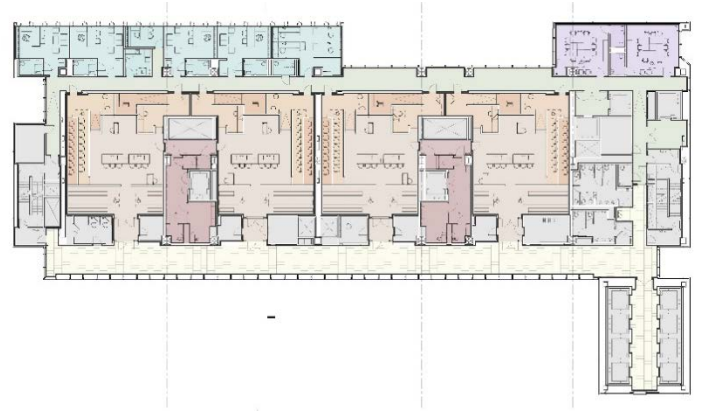


APPROPRIATELY SIZED SPACE

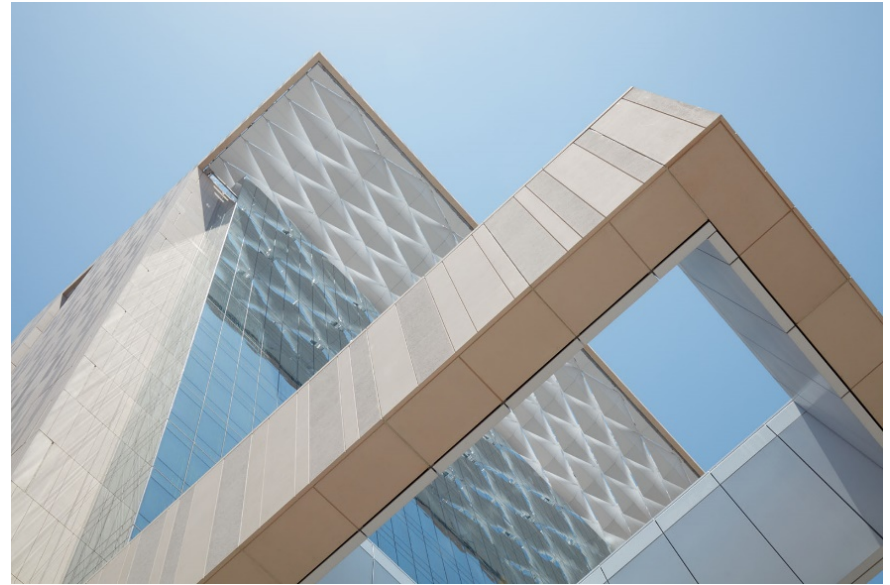
A GREAT INTERIOR SPACE



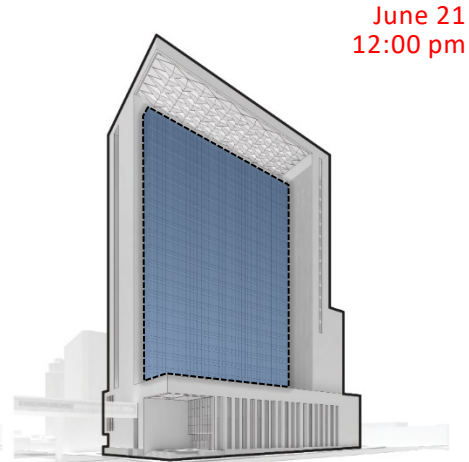
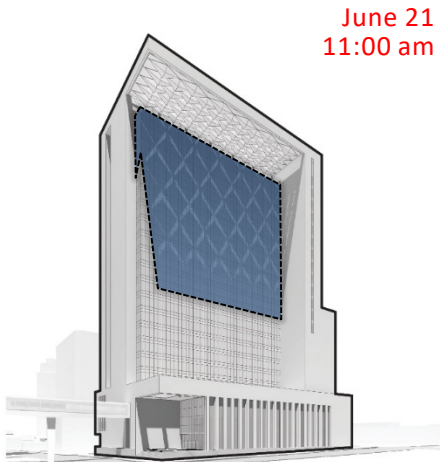
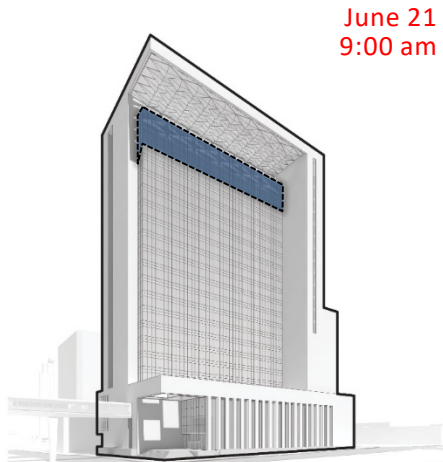
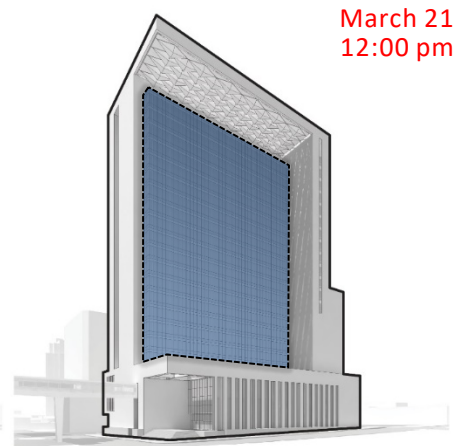
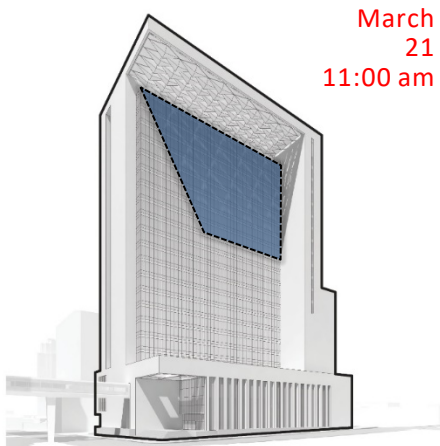
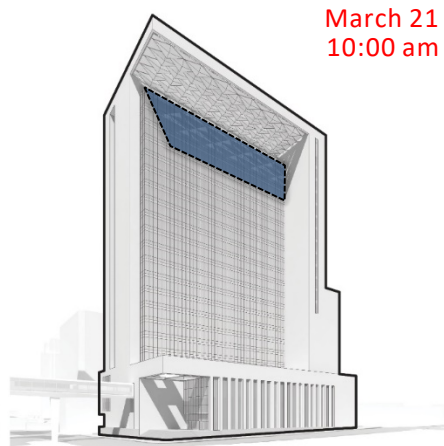
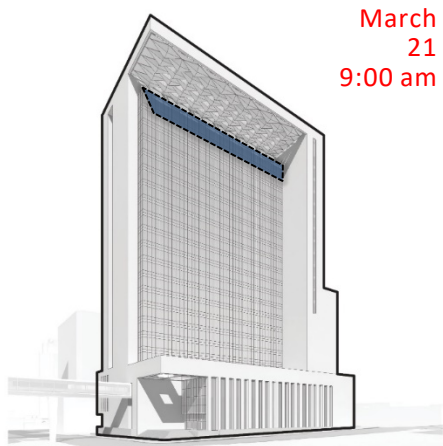
LIGHT

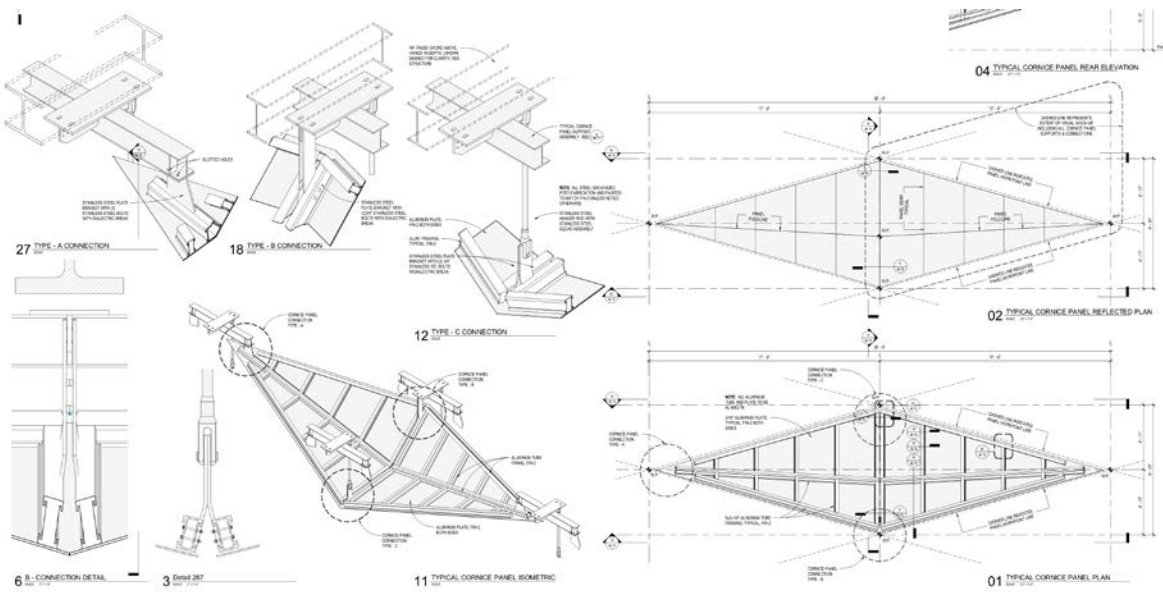
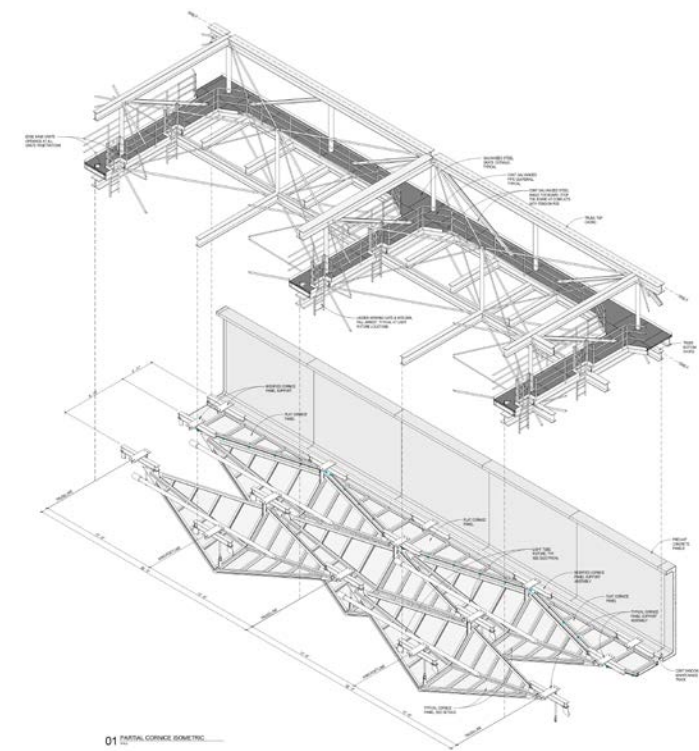










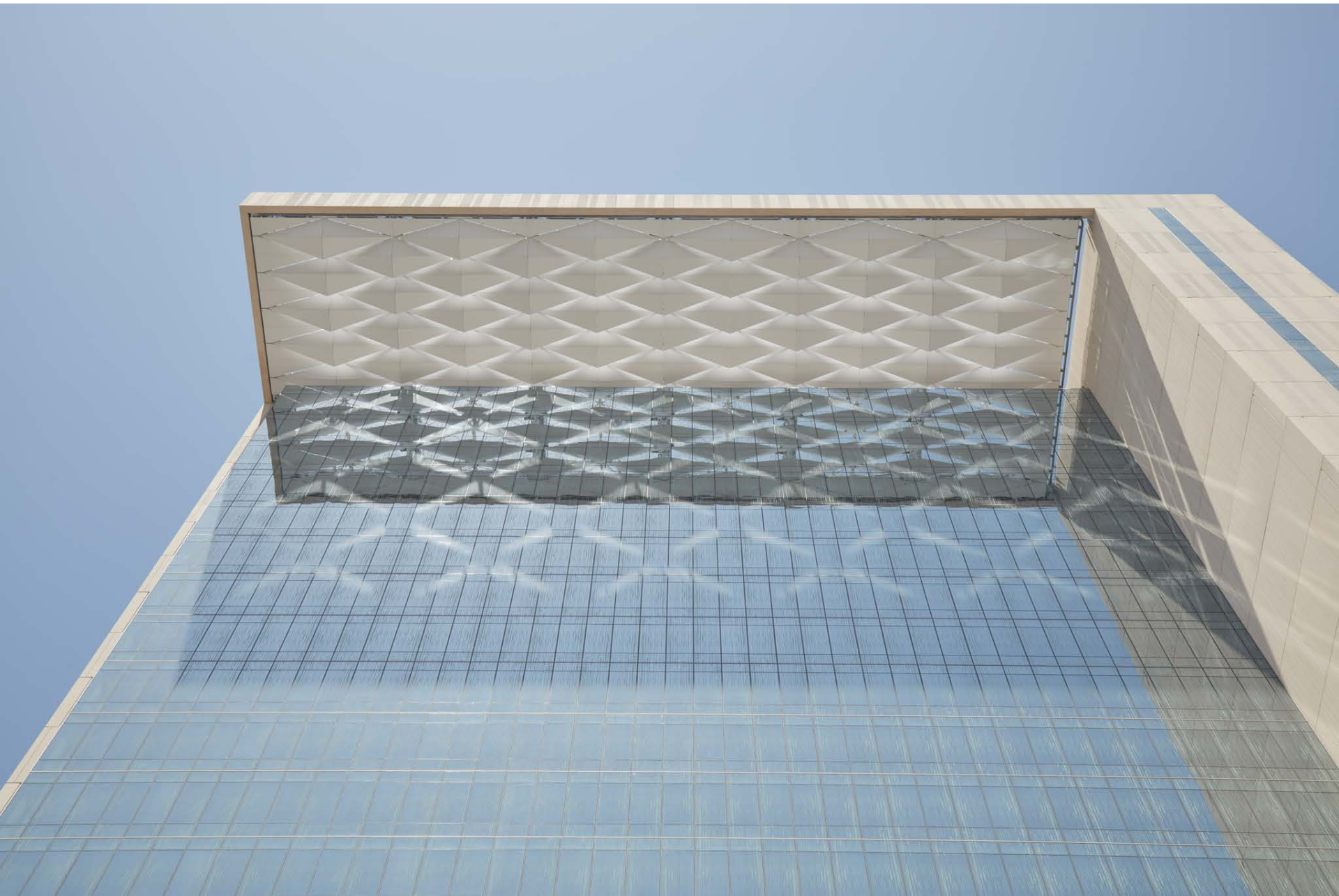


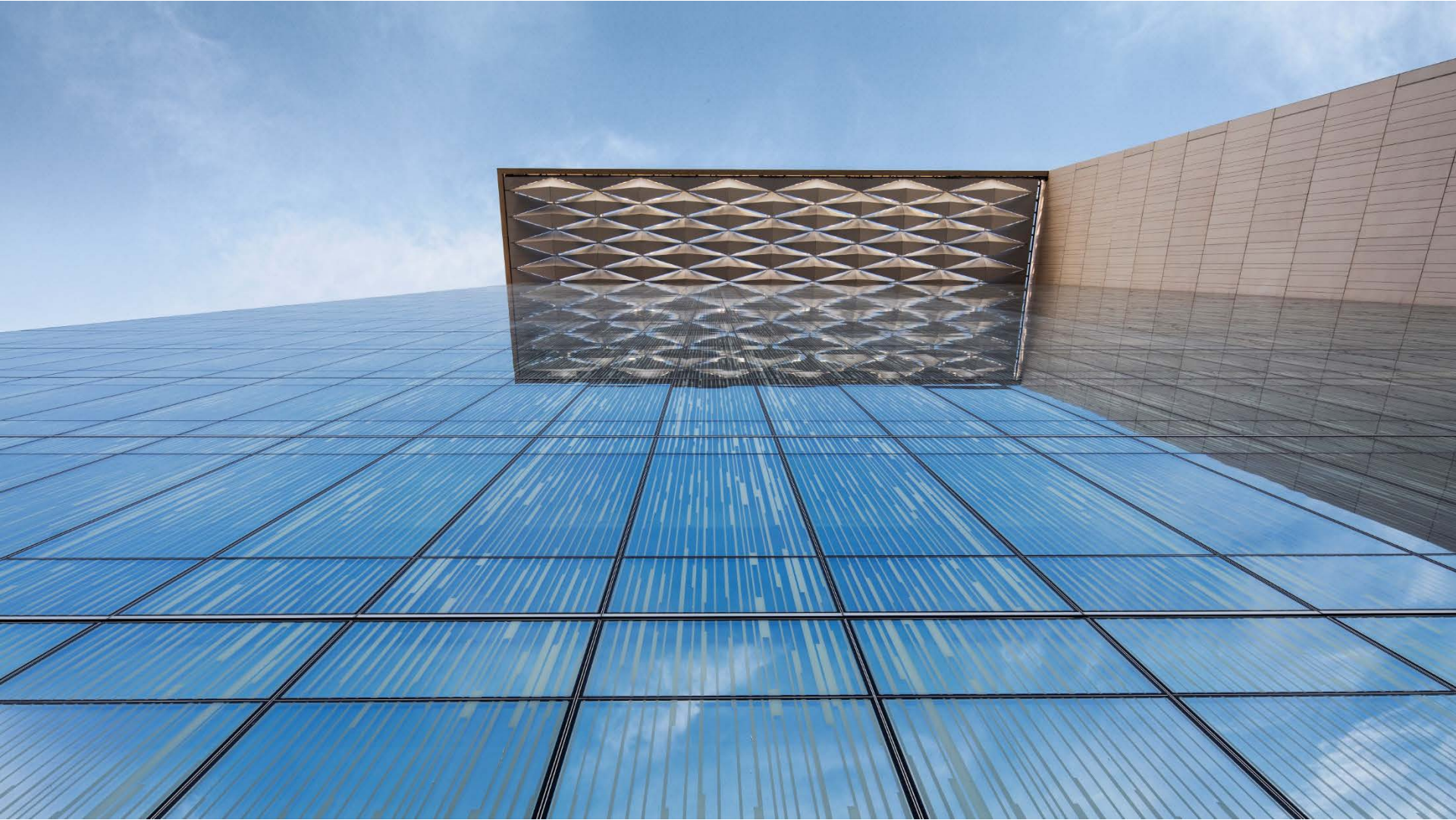
01 TYPICAL CORNICE ISOMETRIC

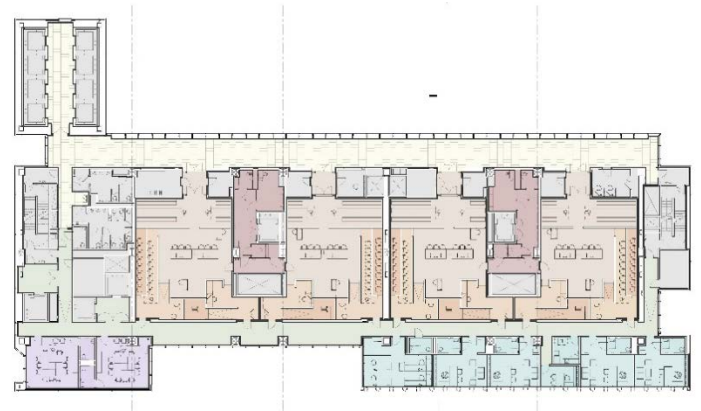
02 TYPICAL CORNICE PANEL REFLECTED PLAN

04 TYPICAL CORNICE PANEL REAR ELEVATION







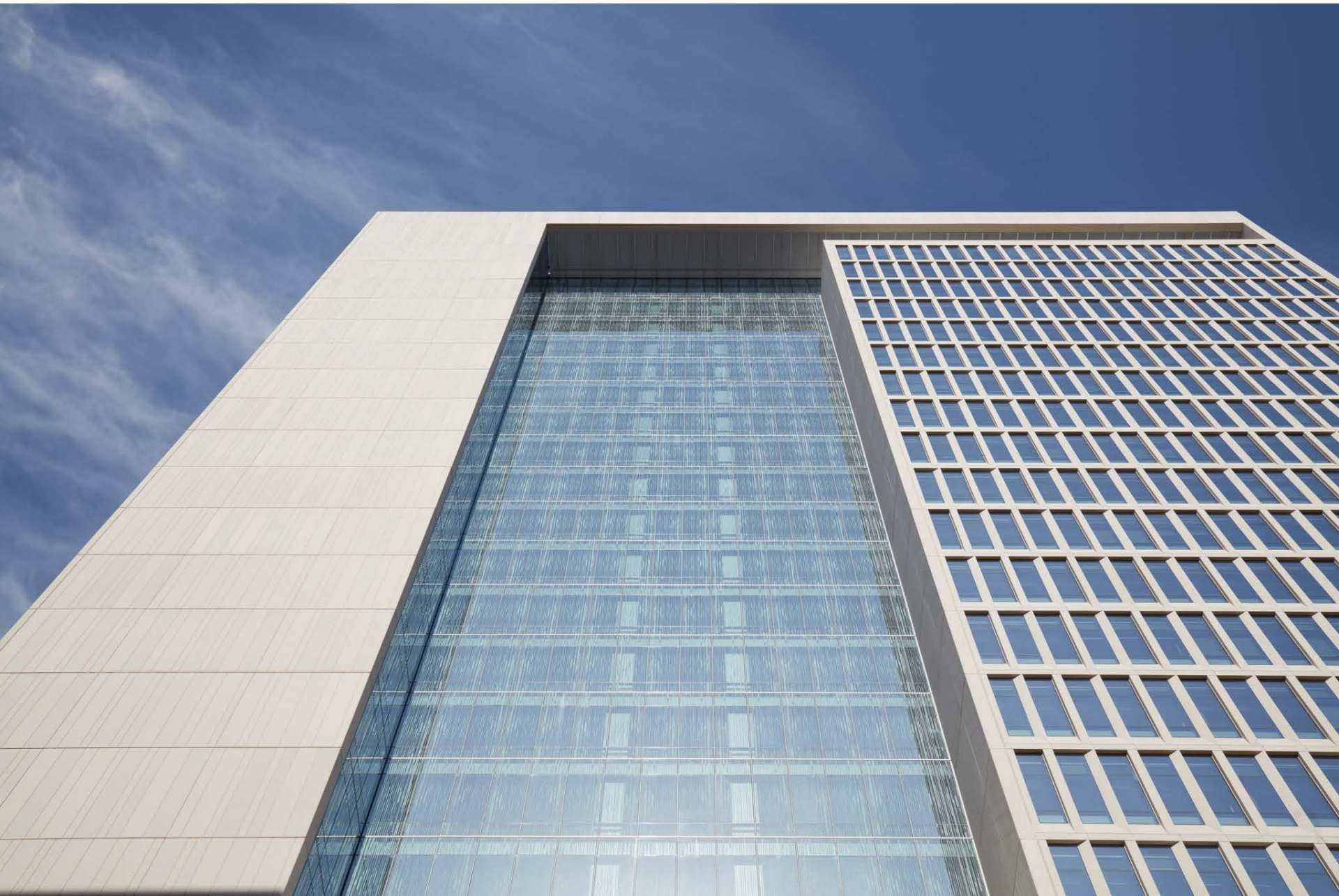










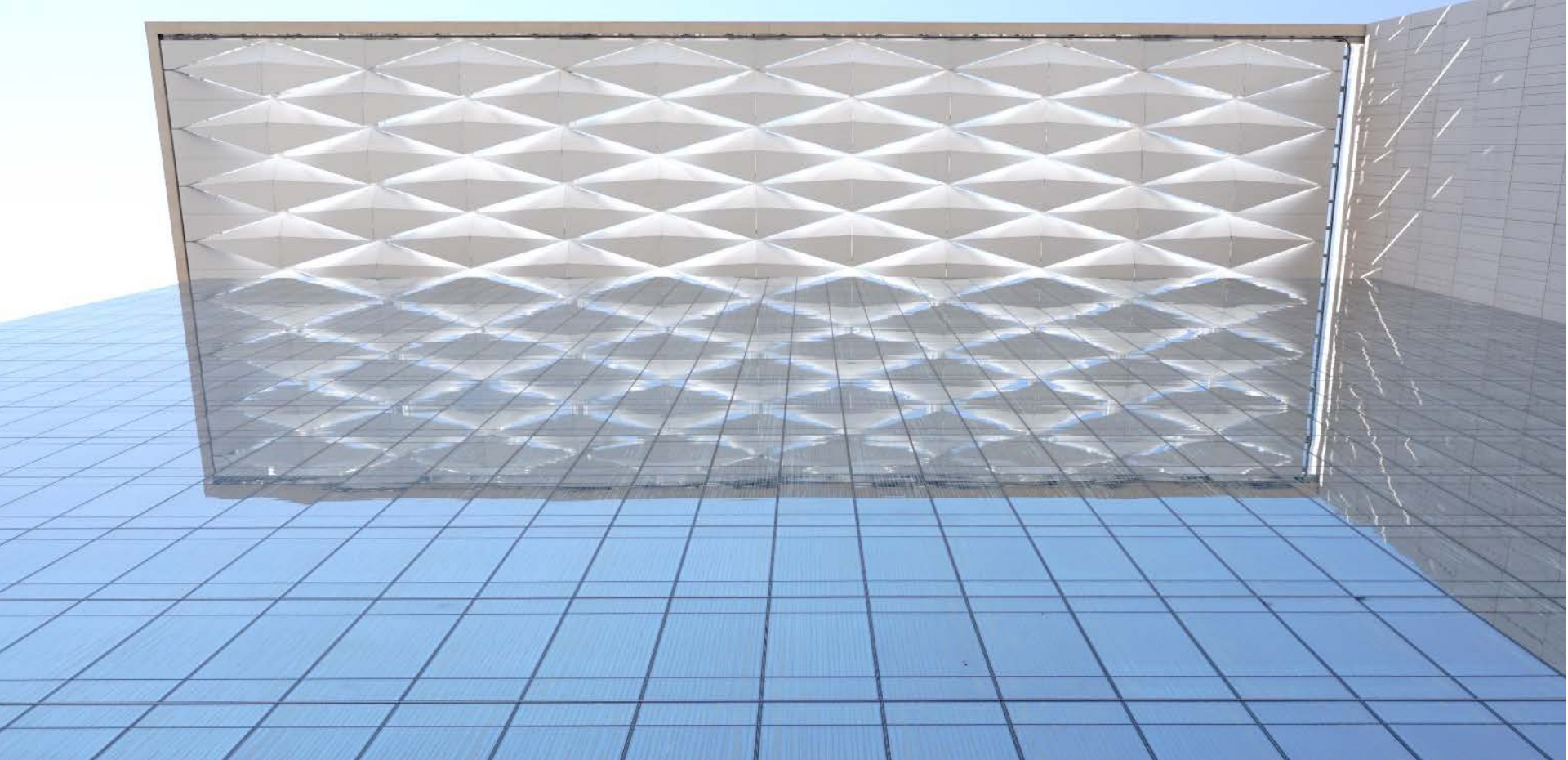








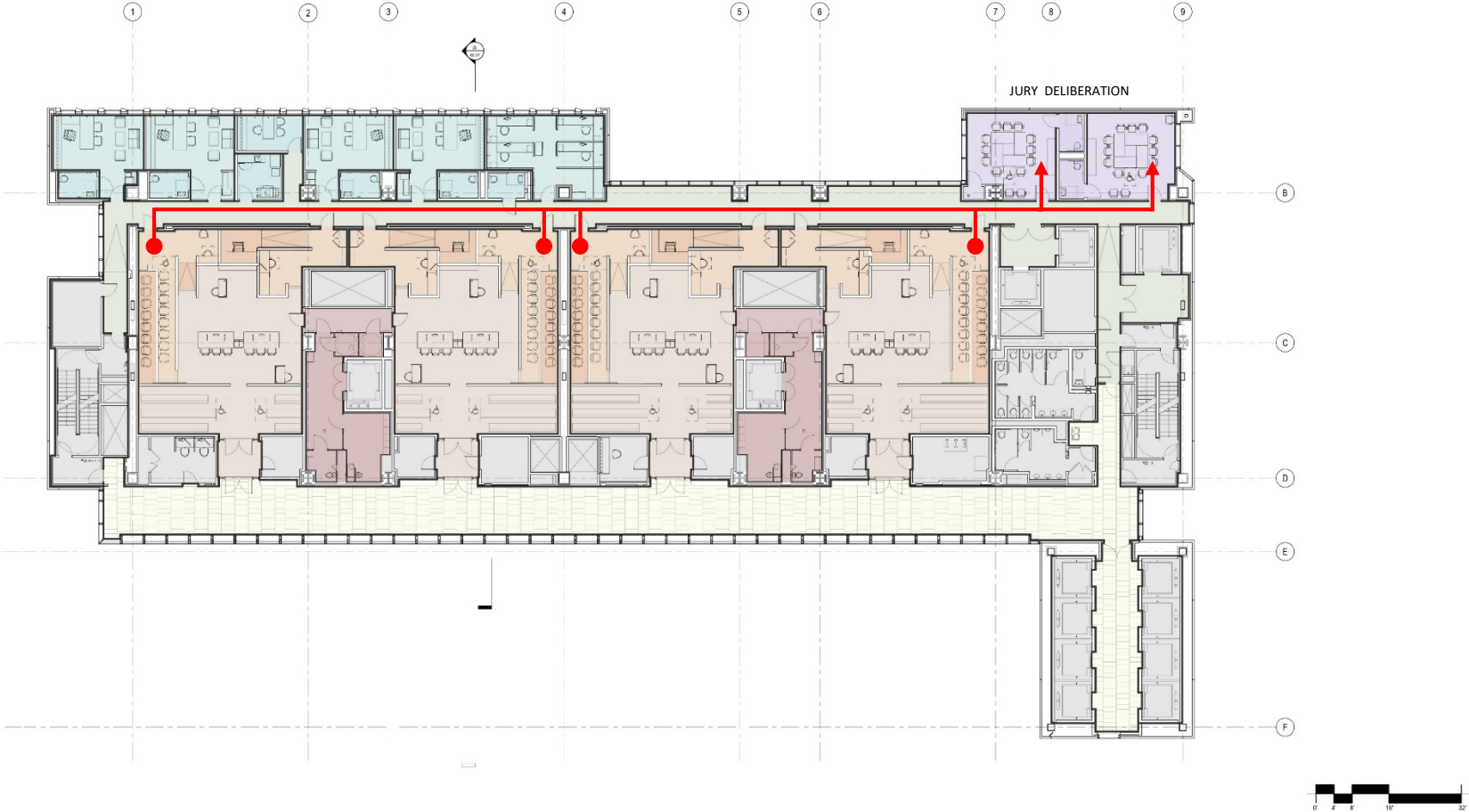




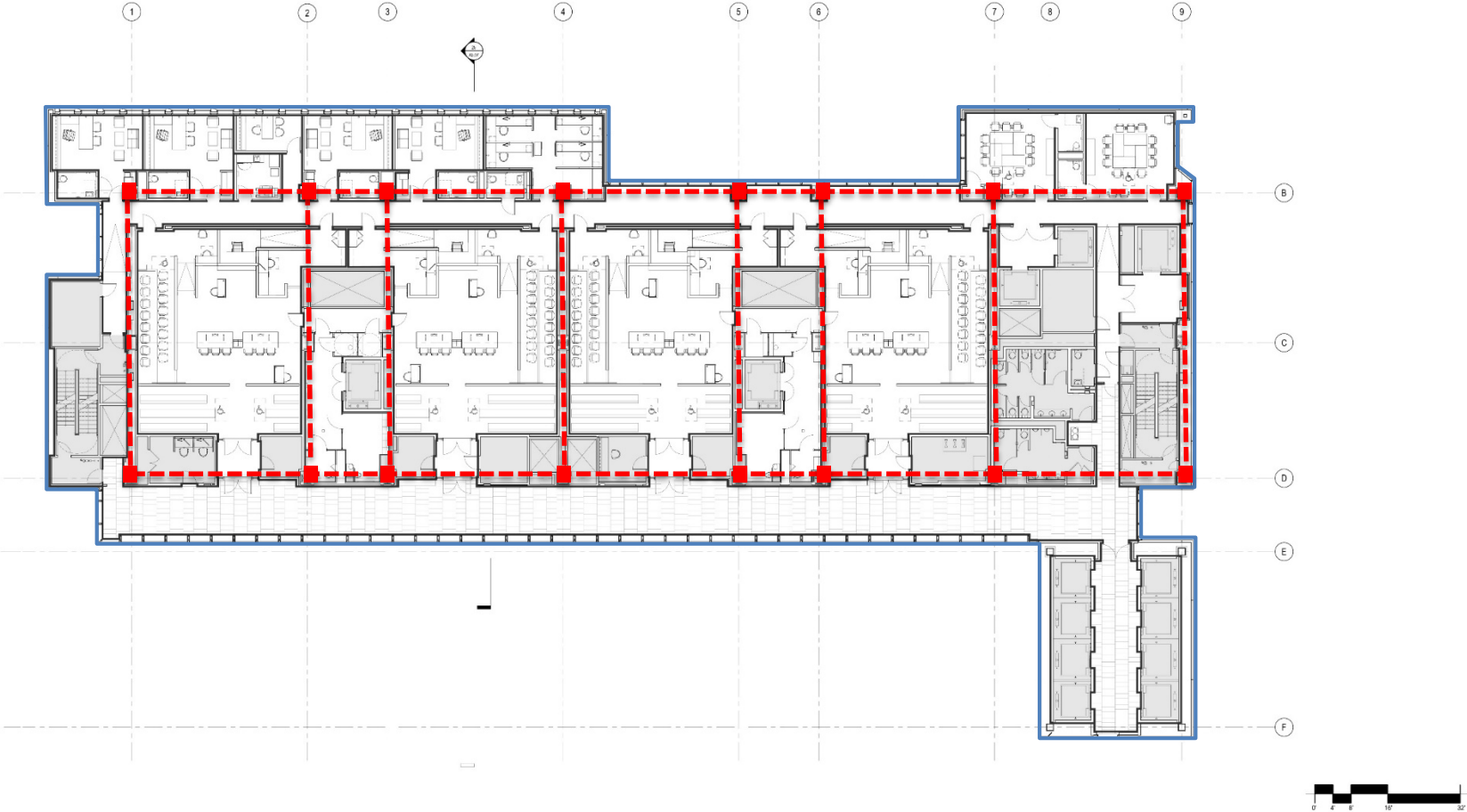
Superior Court of California San Diego

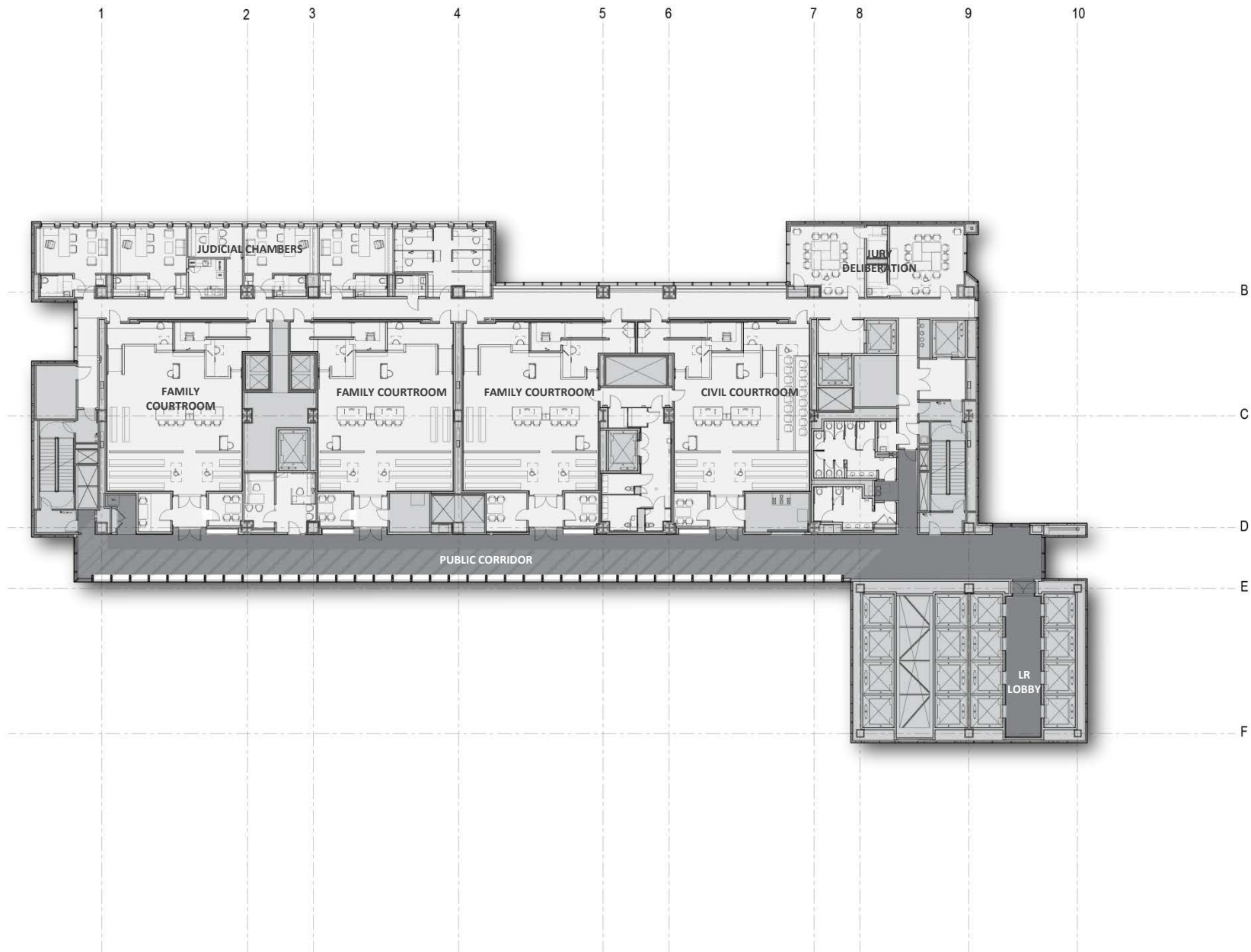
2017 AAJ Conference

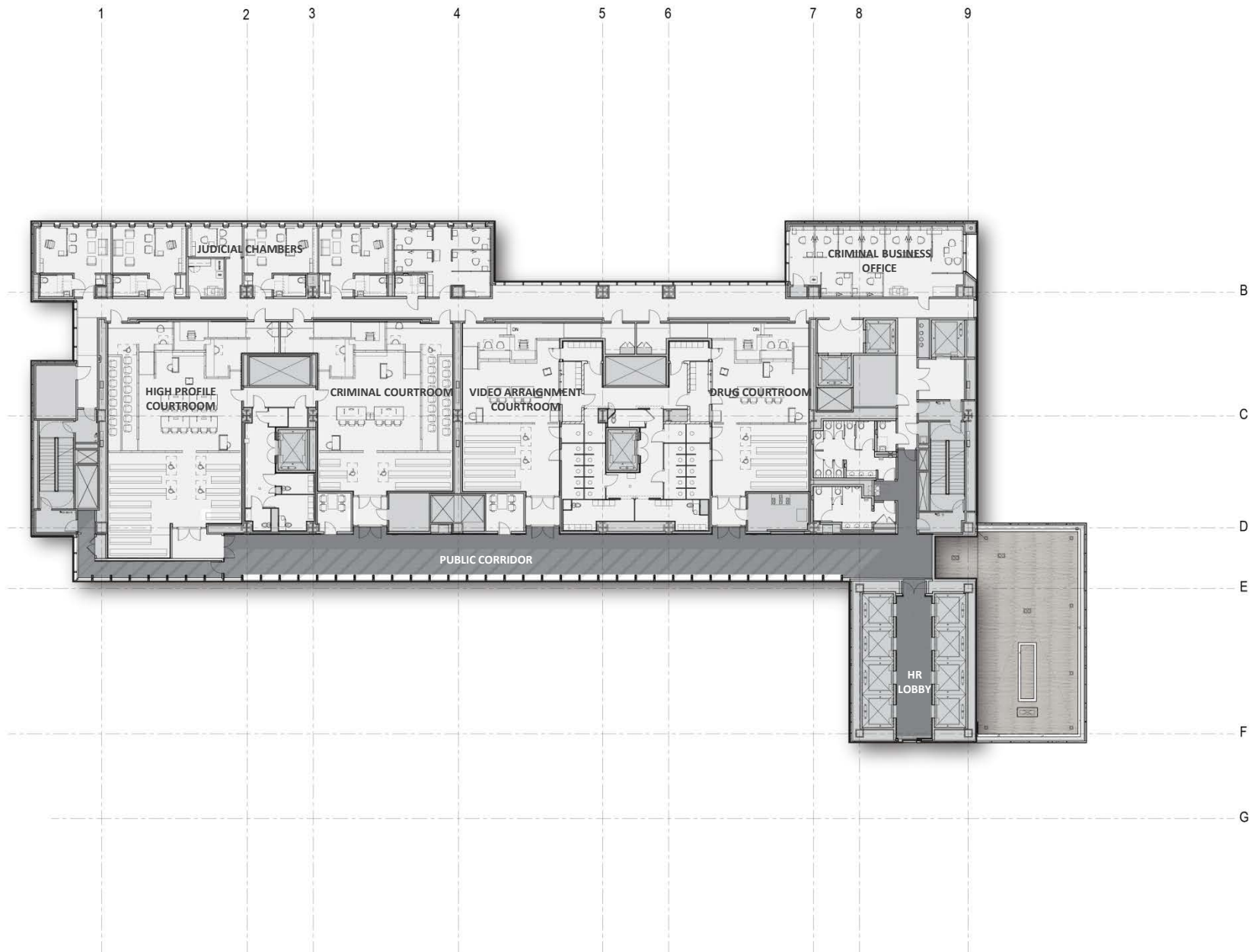
TYPICAL CRIMINAL JURY TRIAL COURTROOM FLOOR PLAN

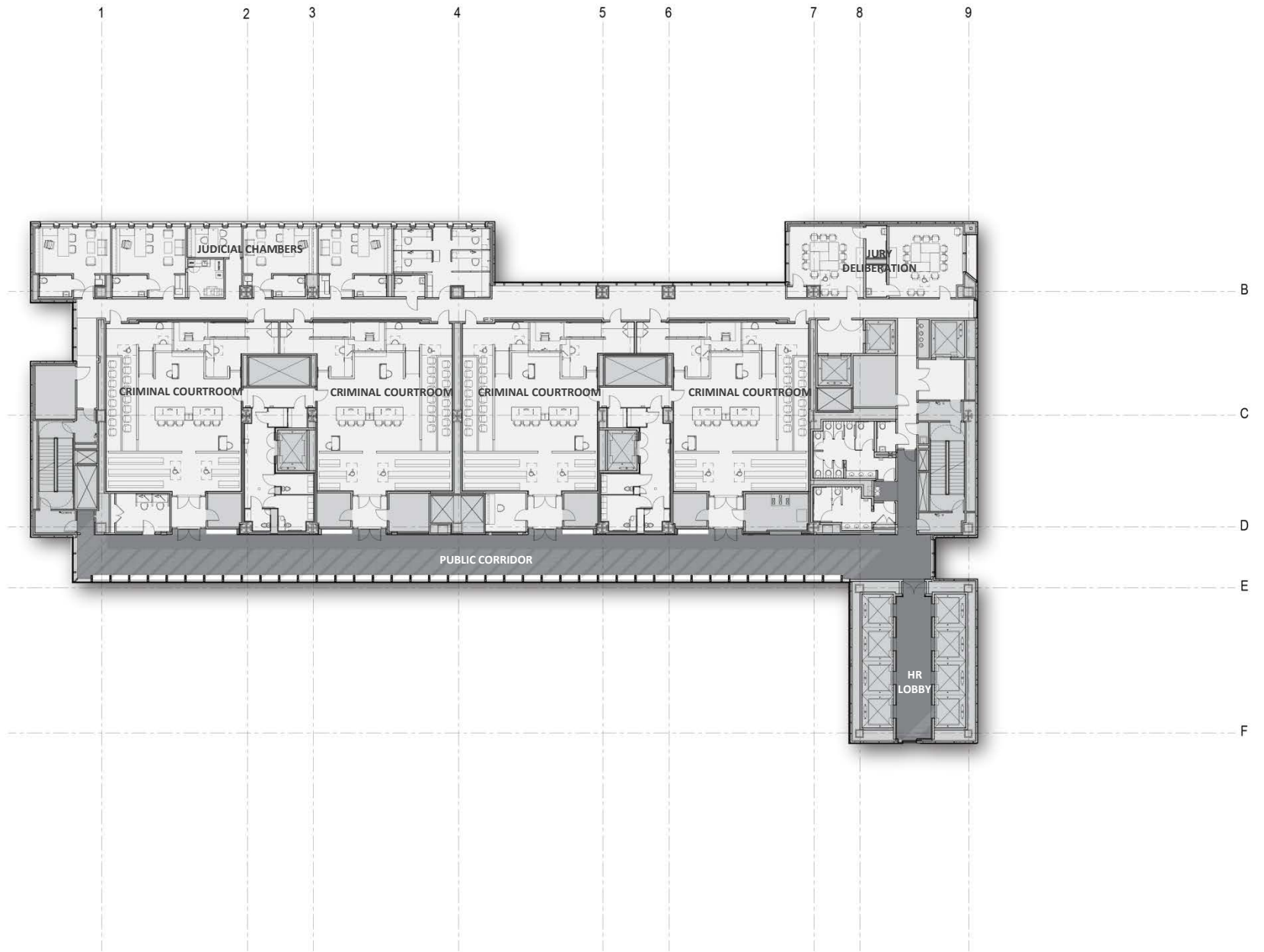


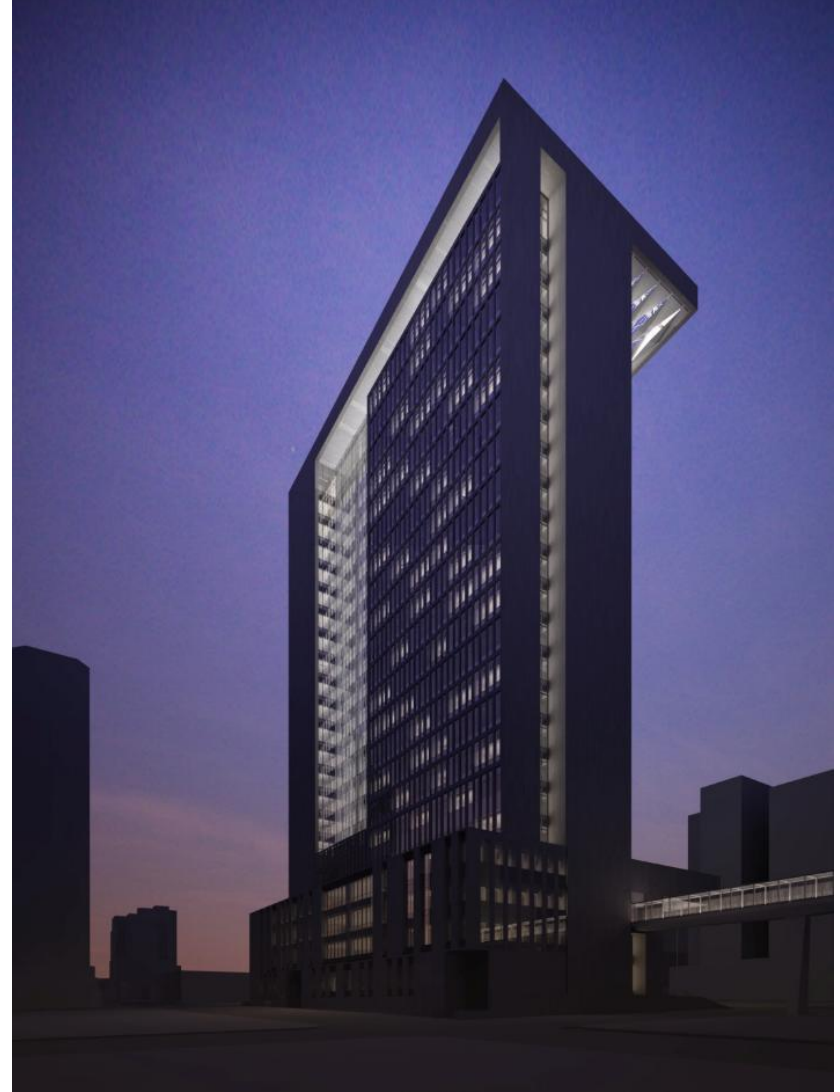
STRUCTURAL PLAN



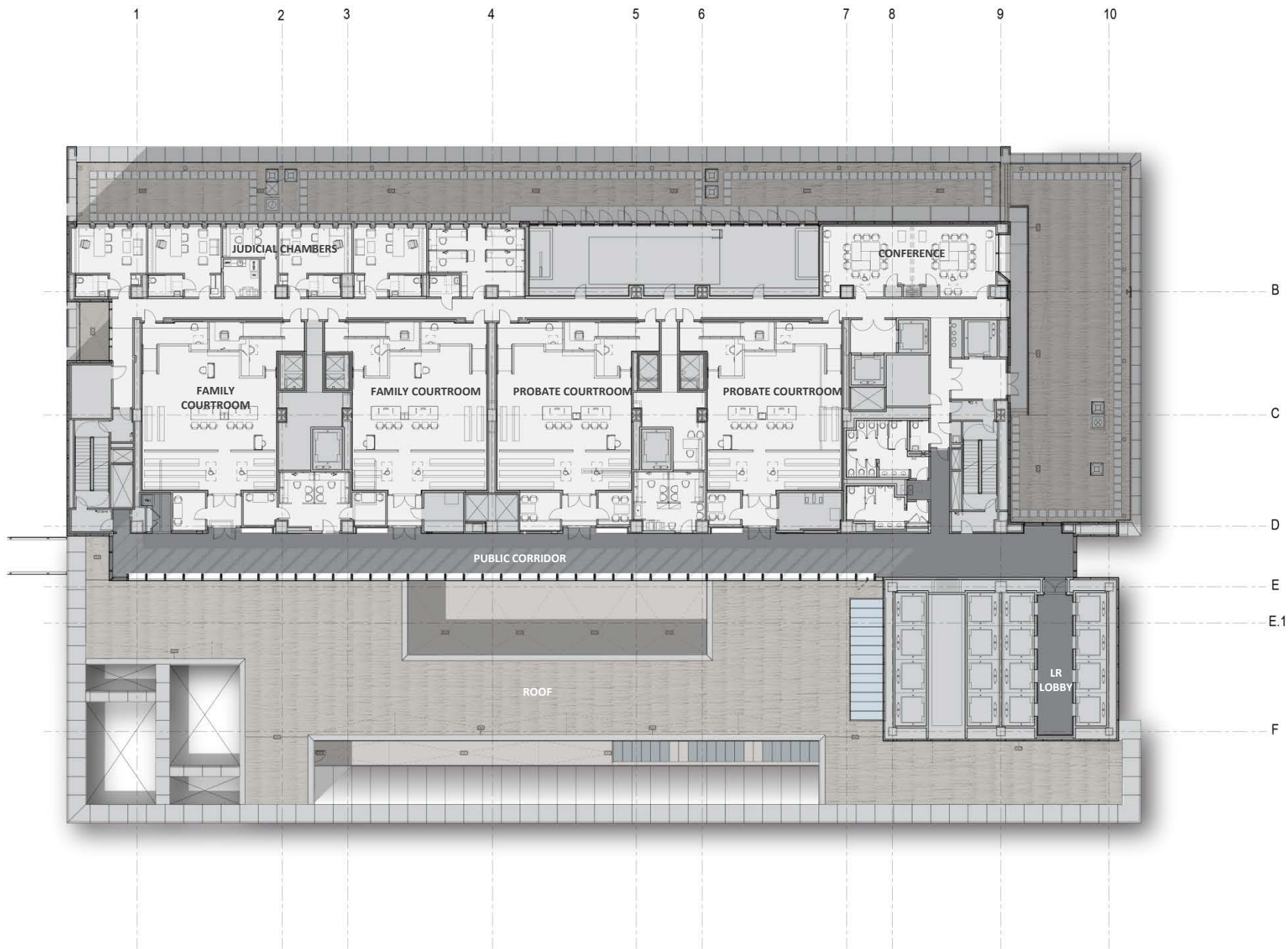




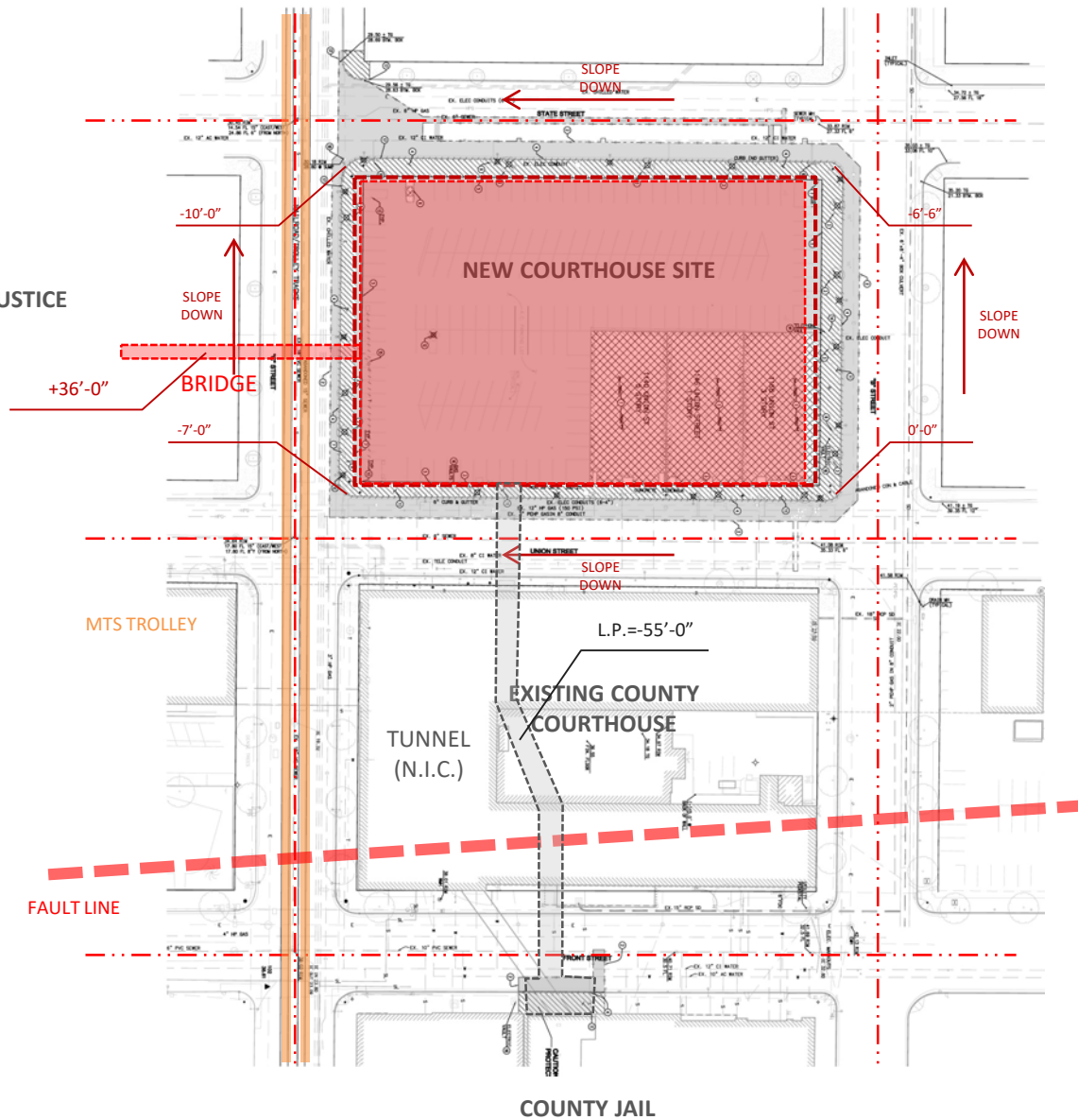








HALL OF JUSTICE



COUNTY JAIL

PRESENTERS



Clifford Ham
Architectural Program Lead
Judicial Council of California



Steven Sobel, FAIA
Managing Director
SOM



Javier Arizmendi, AIA
Design Director
SOM

Confirmed Speakers

Clifford W. Ham

Mr. Ham is the Principal Architect at the Judicial Council of California. He joined the AOC in 2002 as a senior planner and was promoted to Principal Architect in 2006. Mr. Ham is responsible for the development and continued improvement of architectural and technical standards for court buildings throughout California and he's been the Project Manager for large new court building capital development projects, including the San Diego Central Courthouse.

Javier Arizmendi, AIA

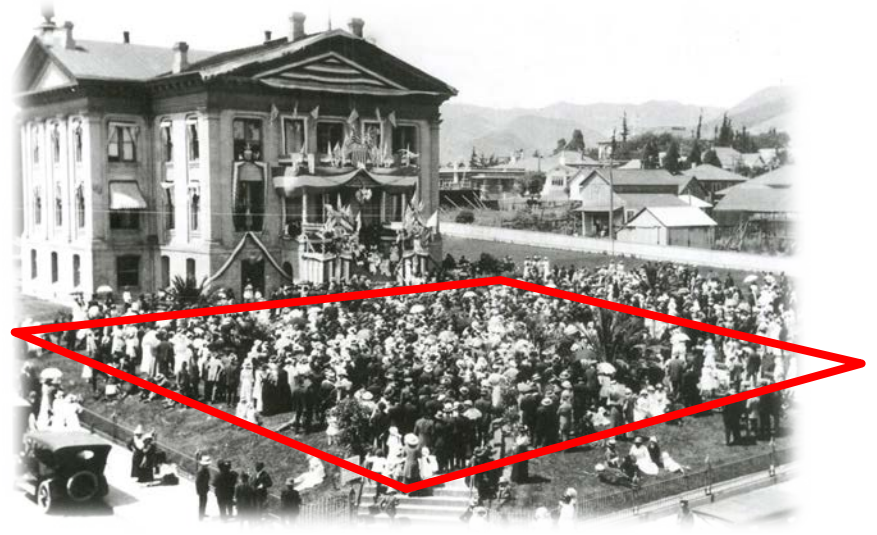
Javier Arizmendi is a Design Director with SOM's San Francisco office. His diverse portfolio includes work in the United States, Asia, and Latin America. Since joining SOM in 1994, Arizmendi has worked on a variety of project types, from academic, science, and technology buildings to public and civic institutions, mixed-use high-rises, and transportation facilities. His work on the San Diego Central Courthouse reflects a conviction for architecture that is fully engaged with the city.

Steven Sobel, FAIA

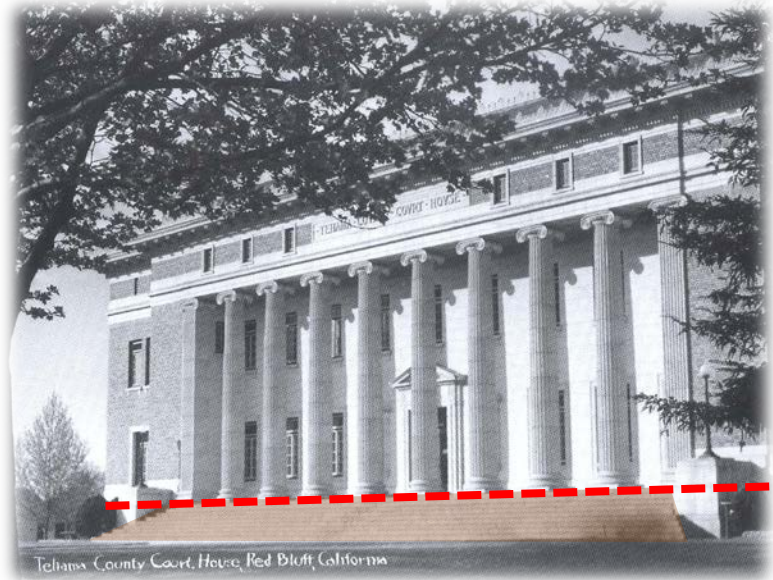
Steven Sobel is a Director in SOM's San Francisco office. He has been with SOM in both Chicago and the West Coast offices for more than 30 years and has experience in the management and development of a wide range of project types such as civic, mixed-use, corporate headquarters, hotel, residential, and entertainment. His accomplished portfolio of civic work includes the San Diego Central Courthouse and San Bernardino Justice Center, among many others.



CIVIC ARCHITECTURE SET APART FROM THE COMMERCIAL REALM



CIVIC PLACES OF GATHERING



ELEVATED PIANO NOBILE



APPROPRIATELY SIZED SPACE

A GREAT INTERIOR SPACE



LIGHT

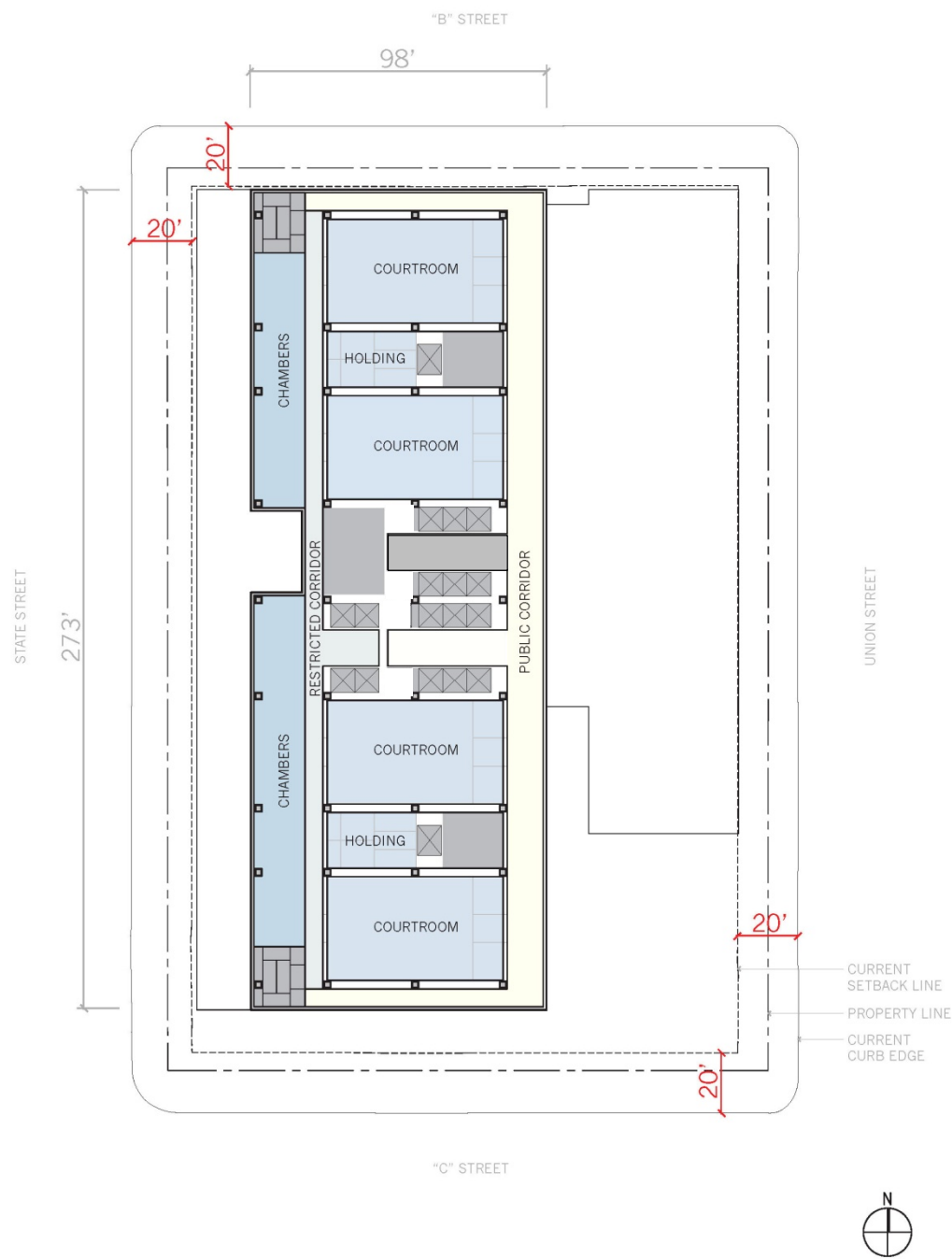


PROS:

- CENTRAL VERTICAL CIRCULATION
(REDUCED TRAVEL DISTANCE)
- PUBLIC CORRIDOR HAS LIGHT AND VIEWS
- CHAMBERS HAVE OCEAN VIEWS
- GOOD URBAN RELATION TO FUTURE PARK
- FITS COMFORTABLY ON SITE
- GOOD VISUAL CONTROL FOR SECURITY
(PUBLIC AND RESTRICTED)

CONS:

- SLIGHTLY HIGHER FLOOR-TO-WALL RATIO
- LONG CORRIDORS
- POTENTIAL UNDIFFERENTIATED WALLS



OPTION 1A : TYPICAL FLOOR PLAN

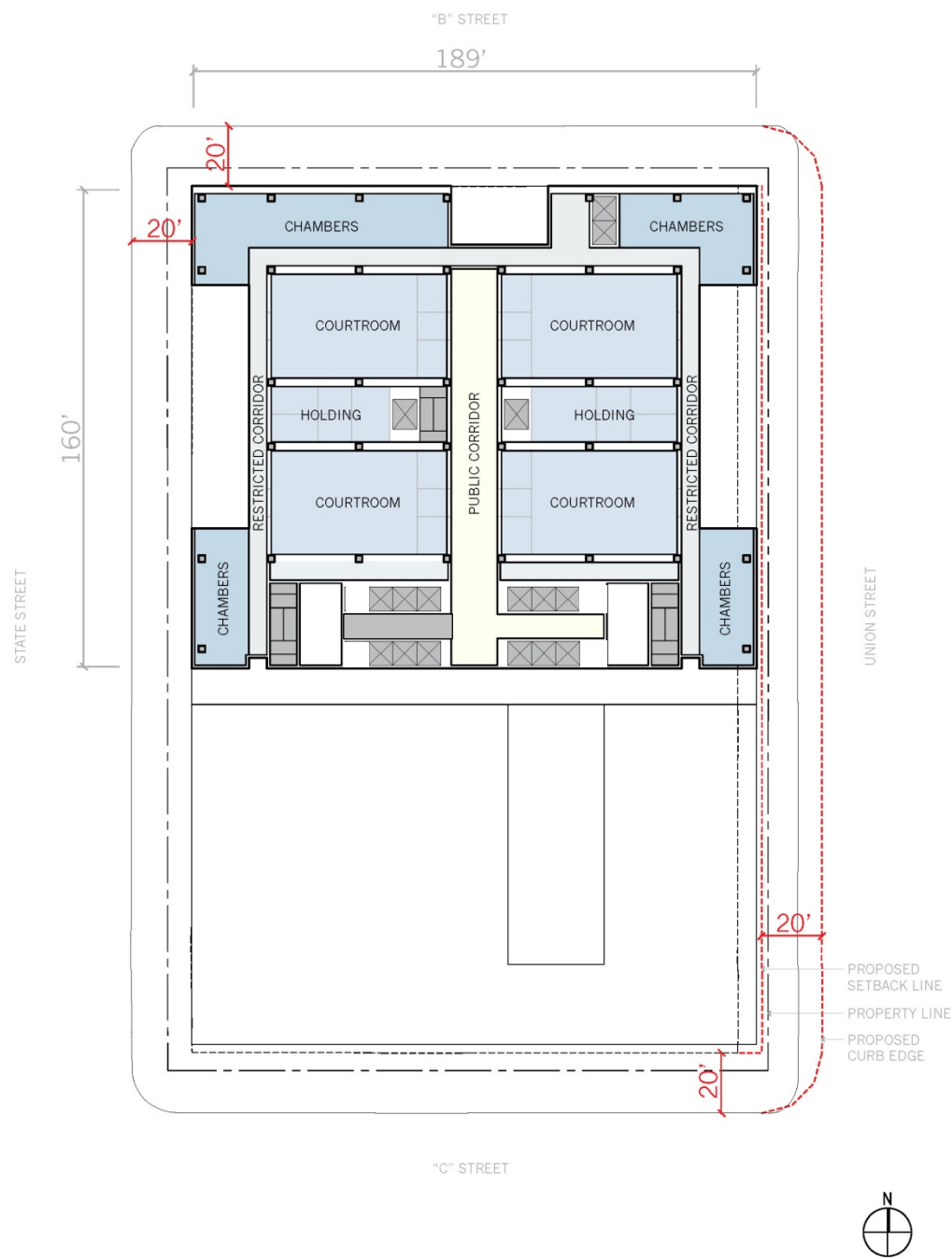
4 COURTROOMS PER FLOOR

PROS:

- CENTRAL VERTICAL CIRCULATION
(MINIMIZED TRAVEL DISTANCE)
- CHAMBERS HAVE VARIETY OF VIEWS
- FITS COMFORTABLY ON SITE
- COURTROOMS HAS POTENTIAL DAYLIGHT
- GOOD VISUAL CONTROL FOR SECURITY (PUBLIC)
- POTENTIALLY IMPROVED FLOOR-TO-WALL RATIO
- EFFICIENT PODIUM FOOTPRINT

CONS:

- PUBLIC CORRIDOR HAS LIGHT AND VIEWS AT ENDS ONLY
- BASEMENT PLAN POTENTIALLY MORE RESTRICTIVE
- CHAMBERS NOT DIRECTLY ADJACENT TO COURTROOMS



OPTION 1B : TYPICAL FLOOR PLAN
4 COURTROOMS PER FLOOR

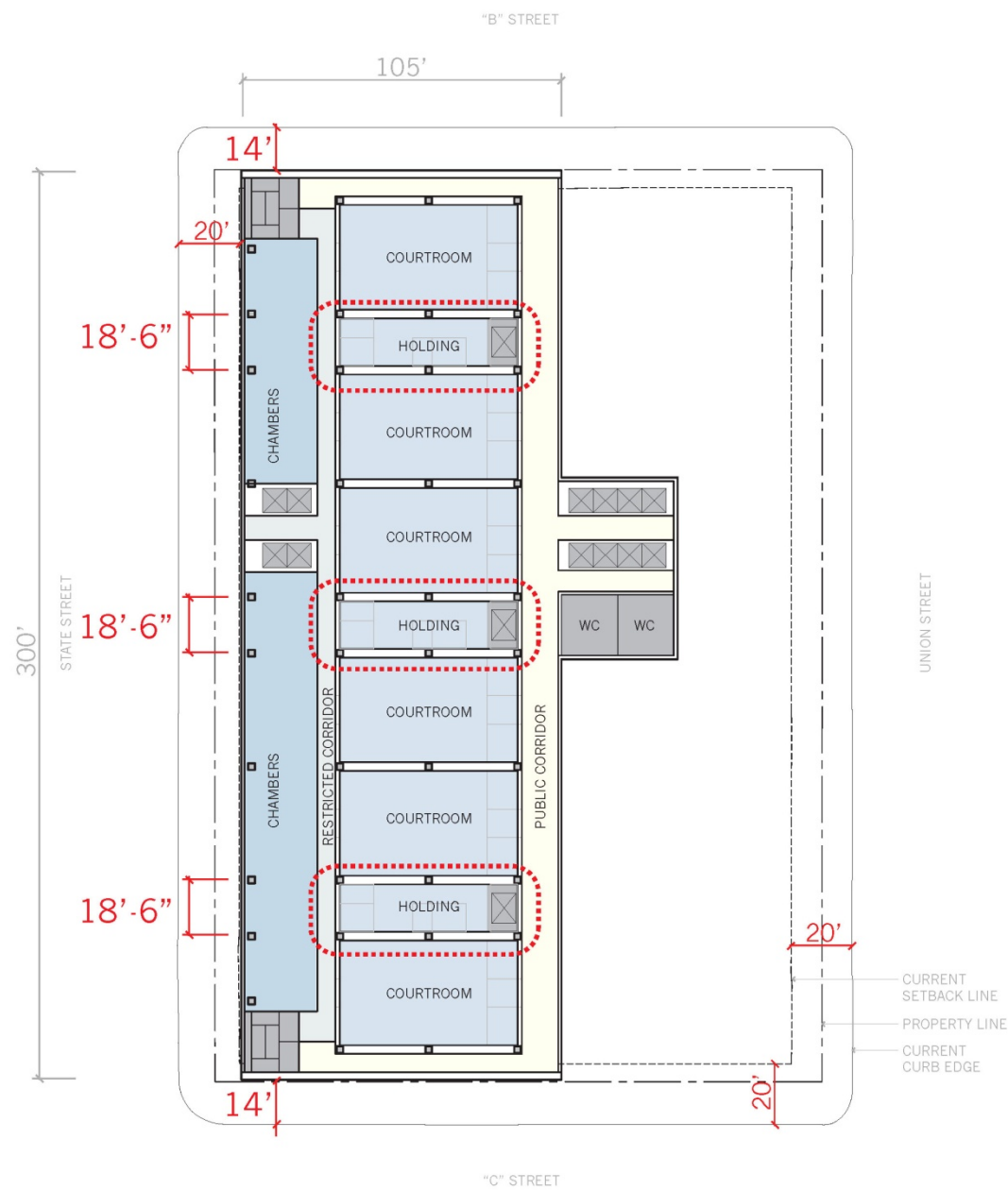
PROS:

- CHAMBERS HAVE OCEAN VIEWS
- GOOD URBAN RELATION TO FUTURE PARK
- PUBLIC CORRIDOR HAS LIGHT AND VIEWS

CONS:

- DOES NOT MEET AOC SECURITY SETBACK
- POTENTIALLY COMPROMISED HOLDING CORE
- HIGHER FLOOR-TO-WALL RATIO DUE TO DISENGAGED CORE
- LONGER CORRIDORS, MORE DIFFICULT VISUAL CONTROL
- POTENTIAL UNDIFFERENTIATED WALLS

OPTION 2A : TYPICAL FLOOR PLAN
6 COURTROOMS PER FLOOR (IN-A-ROW)

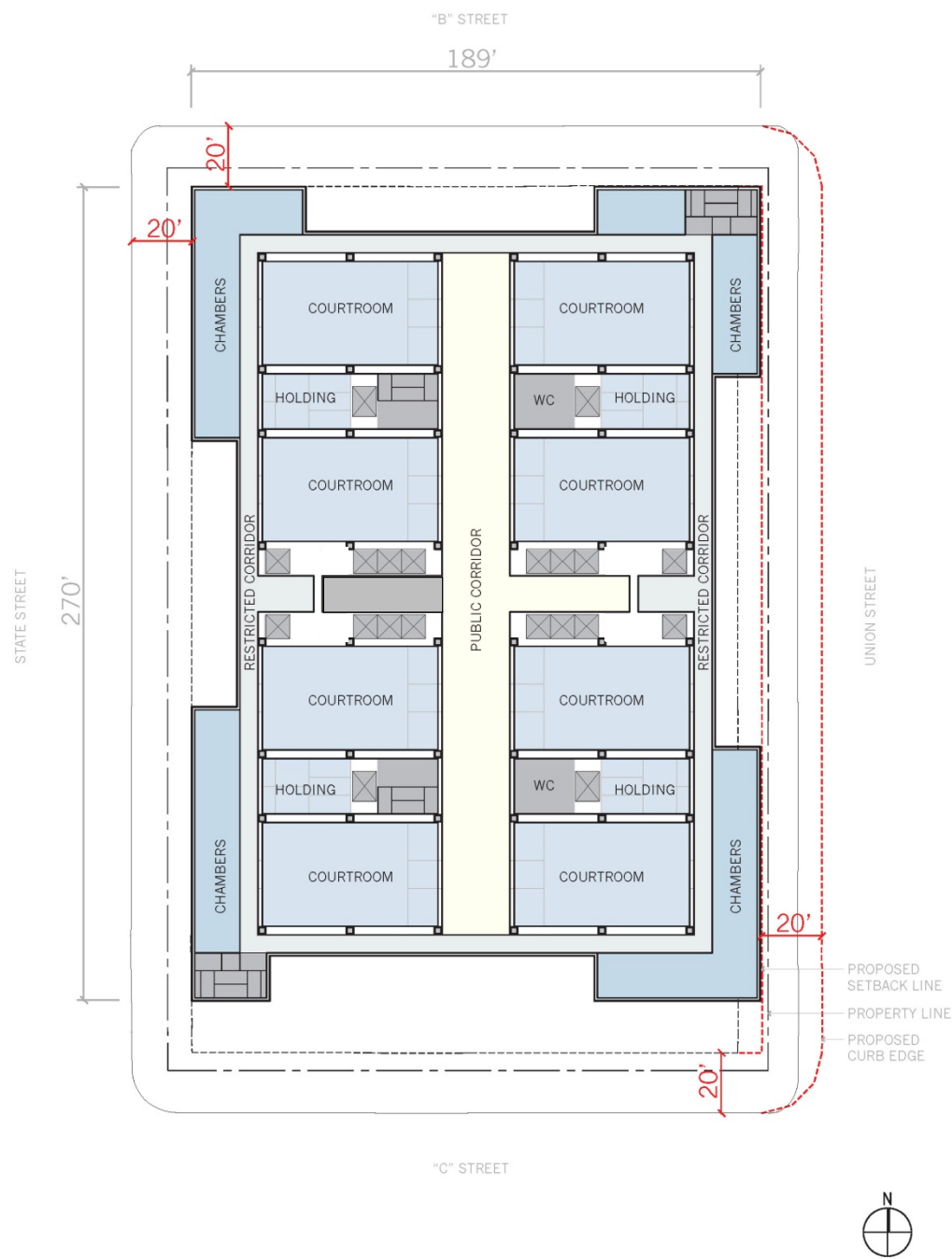


PROS:

- CENTRAL VERTICAL CIRCULATION
- CHAMBERS HAVE VARIETY OF VIEWS
- POTENTIAL FOR DAYLIGHT INTO COURTROOMS
- LOWER BUILDING

CONS:

- HIGHER FLOOR-TO-WALL RATIO
- HIGHEST POPULATION FEEDING PUBLIC CORRIDOR
- LOWER BUILDING
- LARGE VOLUME
- BASEMENT CIRCULATION AND HOLDING AREA POTENTIALLY INEFFICIENT.



OPTION 3 : TYPICAL FLOOR PLAN
8 COURTROOMS PER FLOOR

TYPICAL TRIAL COURTROOM - CENTER BENCH A

Courtroom Component Information

COURTROOM TYPE	SQUARE FEET		SPECTATOR SEATING AT 18"	VOIR DIRE
Multipurpose Trial	1,850		46 + 2 W.C.	74
ELEMENT OR WORKSTATION	FURNITURE / CASEWORK WIDTH	DEPTH	HEIGHT ABOVE FLOOR	NO. OF OCCUPANTS
Judge	6'-6"/6'-4"	2'-0"/1'-6"	+16"	1
Courtroom Clerk	12'-0"	2'-3"	+12"	2
Court Security Officer	4'-0"	2'-6"	+0"	1
Court Reporter	4'-0"	2'-0"	+0"	1
Witness Stand	5'-0"	1'-7"	+6"	2
Jury Box	N/A	N/A	(1st row) +0" (2nd row) +6"	14
Counsel Tables	7'-6"	3'-0"	+0"	3 ea.
Lectern	2'-6"	2'-0"	N/A	0

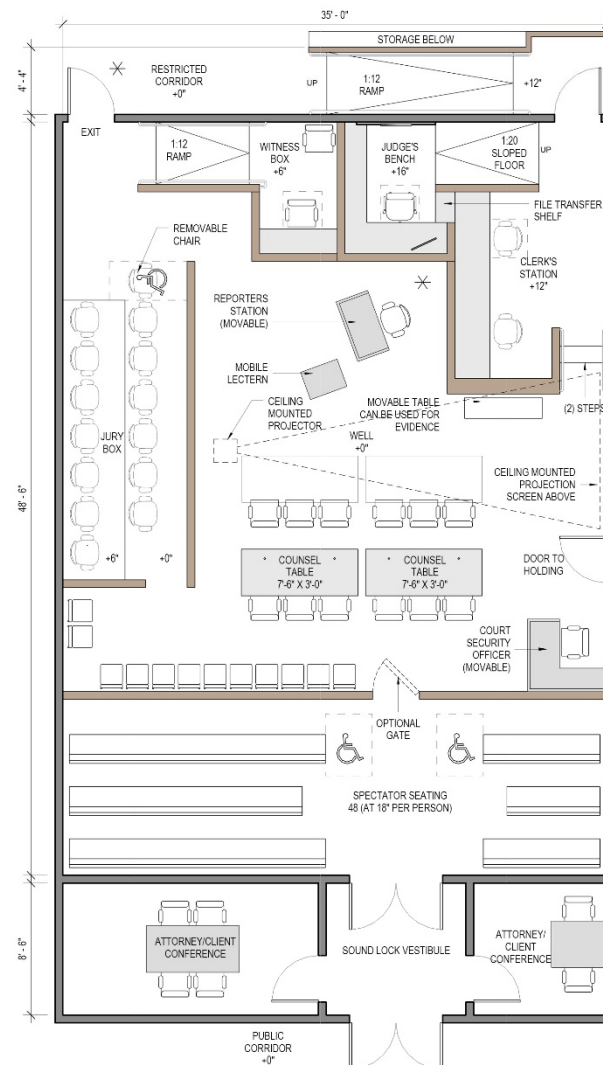
Key Attributes of Courtroom Layout

- 74 seats for voir dire provide maximum flexibility for trial use.
- Judge's bench work surface increased from 6' to 12'-10" long.
- Work surface return at judge's bench increased from 10" to 18" deep.
- Access ramps outside courtroom.
- Judge's bench elevated 16" to minimize need for ramping.
- Optimal sight lines for all participants.
- Multi-defendant capable due to movable well components.
- Multiple locations for side-bar conferences (shown with *).
- Exhibit storage table adjacent to clerk's workstation.
- Stairs to clerk's workstation area reduce width of courtroom.
- Jury box dimensions are efficient and controls courtroom width.
- Adjustable height work surfaces for judge and clerk.

Options provided:

- Alternate Court Security Officer desk and evidence table locations
- Movable lectern and court reporters station facilitate options for adding counsel tables.
- Gate to well area

TYPICAL TRIAL COURTROOM - CENTER BENCH A



TYPICAL TRIAL COURTROOM - CENTER BENCH B

Courtroom Component Information

COURTROOM TYPE	SQUARE FEET		SPECTATOR SEATING (18")	VOIR DIRE
Multipurpose Trial	1,950		49 + 2 W.C.	77
ELEMENT OR WORKSTATION	FURNITURE / CASEWORK WIDTH	DEPTH	HEIGHT ABOVE FLOOR	NO. OF OCCUPANTS
Judge	7'-9"/6'-4"	2'-0"/1'-6"	+16"	1
Courtroom Clerk	12'-0"	2'-3"	+12"	2
Court Security Officer	4'-0"	2'-6"	+0"	1
Court Reporter	4'-0"	2'-0"	+0"	1
Witness Stand	5'-6"	1'-7"	+6"	2
Jury Box	N/A	N/A	(1st row) +0" (2nd row) +6"	14
Counsel Tables	8'-6"	3'-0"	+0"	4 ea.
Lectern	2'-6"	2'-0"	N/A	0

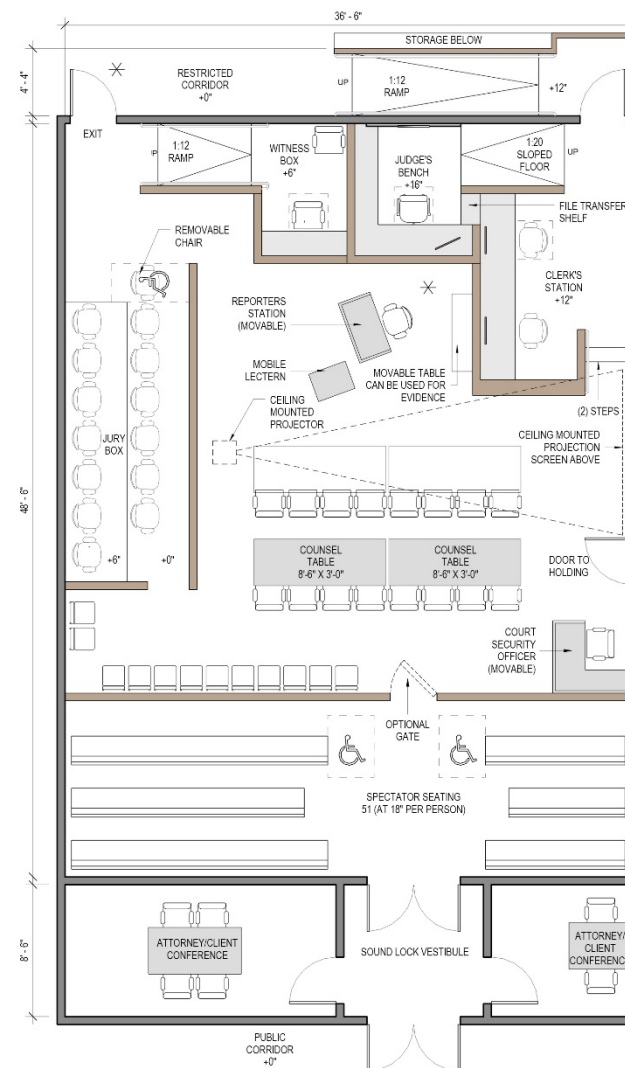
Key Attributes of Courtroom Layout

- 77 seats for voir dire provide maximum flexibility for trial use.
- Multi-defendant capable due to movable well components and increased courtroom width.
- Judge's bench work surface increased from 6' to 14'-1" long.
- Work surface return at judge's bench increased from 10" to 18" deep.
- Judge's bench elevated 16" to minimize need for ramping.
- Multiple locations for side-bar conferences (shown with *).
- Optimal sight lines for all participants.
- Multi-defendant capable due to moveable well components.
- Exhibit storage table adjacent to clerk's workstation.
- Clerks work surface increased from 10' to 12' long (2 clerks).
- Stairs to clerk's workstation area reduce width of courtroom.
- Adjustable height work surfaces for judge and clerk.
- Counsel tables provide for 4 seats at each table.
- Jury box dimensions are efficient and controls courtroom width.

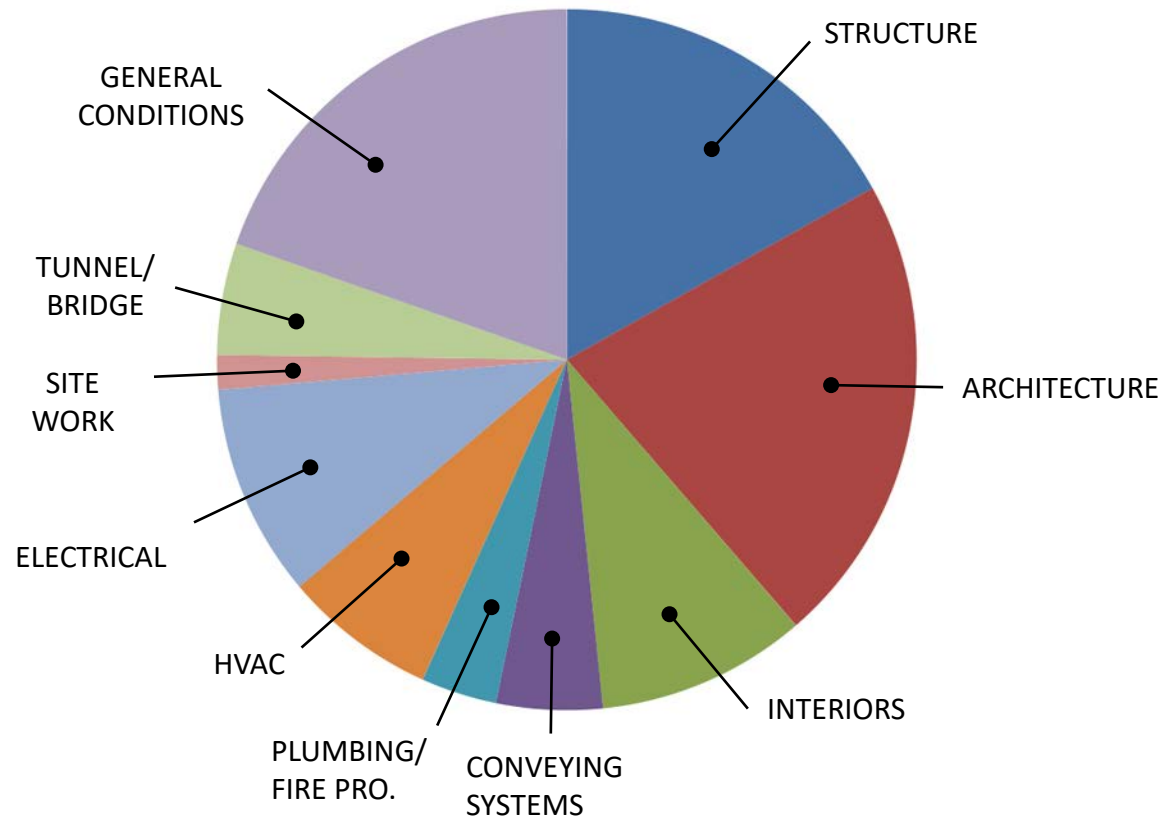
Options provided:

- Alternate Court Security Officer desk and evidence table locations.
- Movable lectern and court reporters station facilitate options for adding counsel tables.
- Gate to well area.

TYPICAL TRIAL COURTROOM - CENTER BENCH B

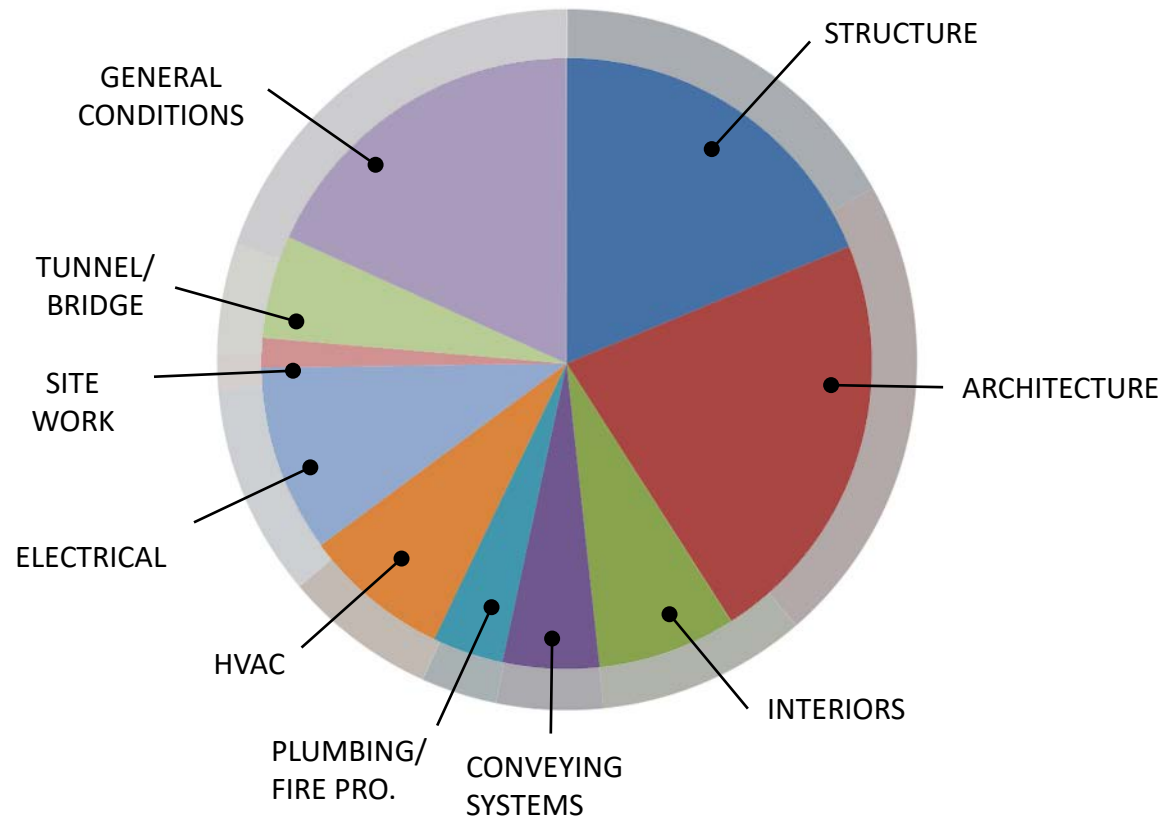


**A comprehensive review of all components
generated cost reductions across the board**



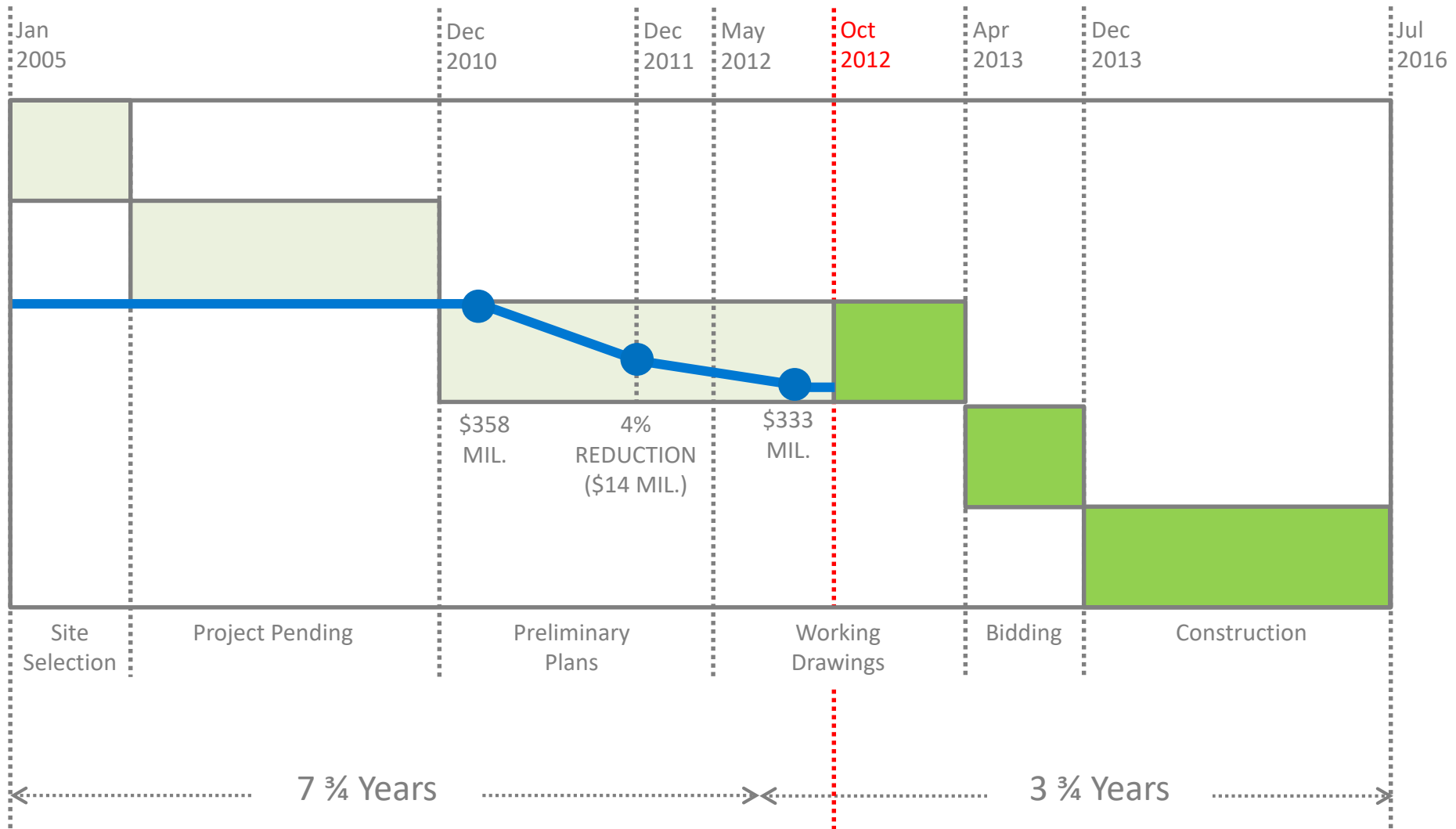
DISTRIBUTION BY COMPONENT

**A comprehensive review of all components
generated cost reductions across the board**



DISTRIBUTION BY COMPONENT
(7.1% COST REDUCTIONS)

**Every budget requirement has been met while
maintaining the integrity of the New Courthouse**



Building Height: 389'

Criminal Law
Courtrooms

Civil Law
Courtrooms

Family Law
Courtrooms

Jury Assembly

Misdemeanor Arraignment

Felony Arraignment

STATE STREET

Sun shading canopy
to reduce cooling needs

Public Corridor with
energy efficient
radiant flooring,
interior wood fins and
exterior fritted glass
to reduce cooling needs

Outdoor public terrace
at Family Law floor

Main Lobby with
radiant flooring
Water efficient landscaping,
bike parking

UNION STREET

