

PRE-DESIGN

Precedents, Program, Site

ARC 3210 – Architecture Design Studio

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Assistant Professor of Architecture

Utah Valley University

Precedent Analysis

UPPER FLOOR

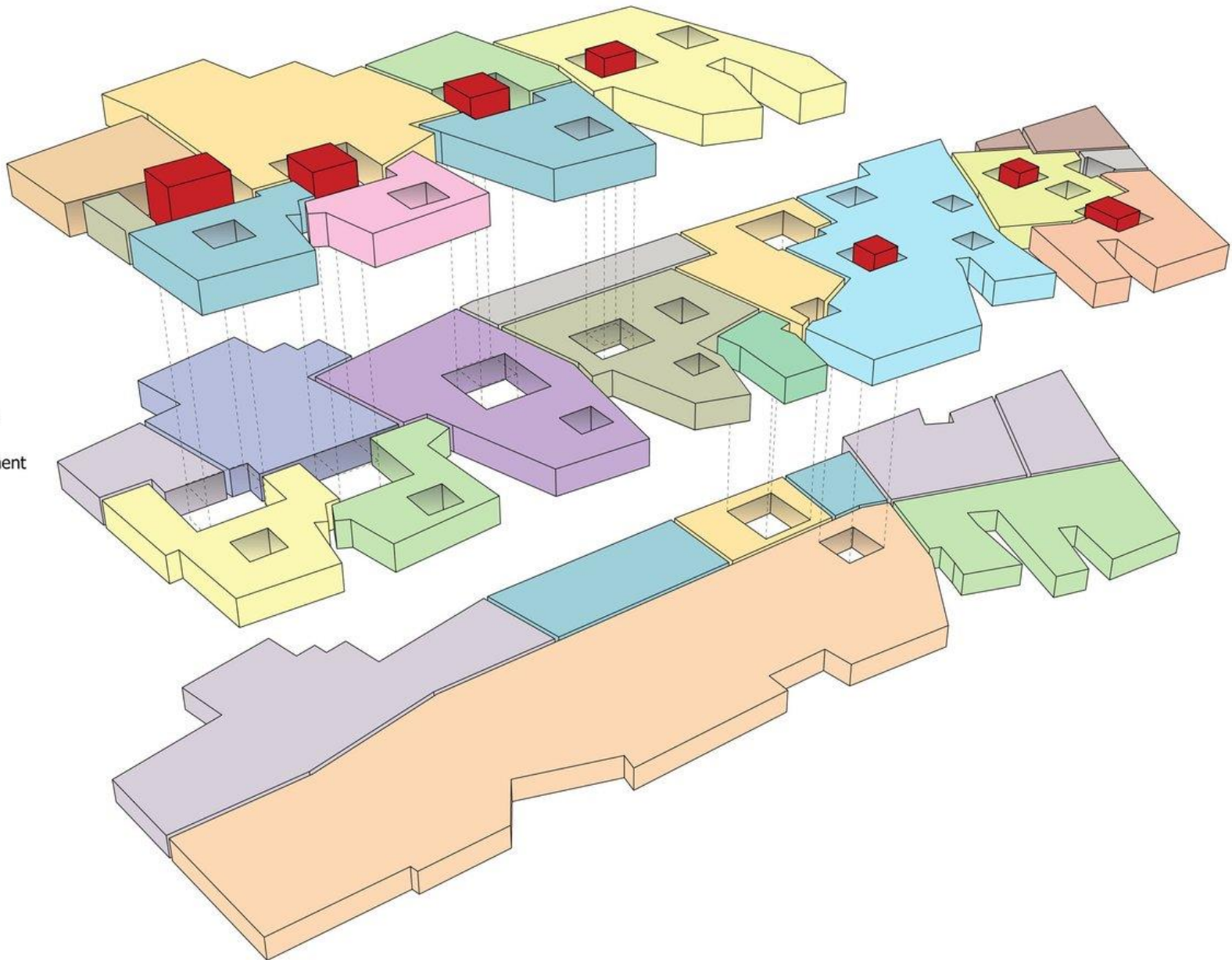
- Other Attractions
- Seminar Rooms
- Library
- Astrophysics
- Donors' Room
- Planetarium
- Event Space
- Entrance

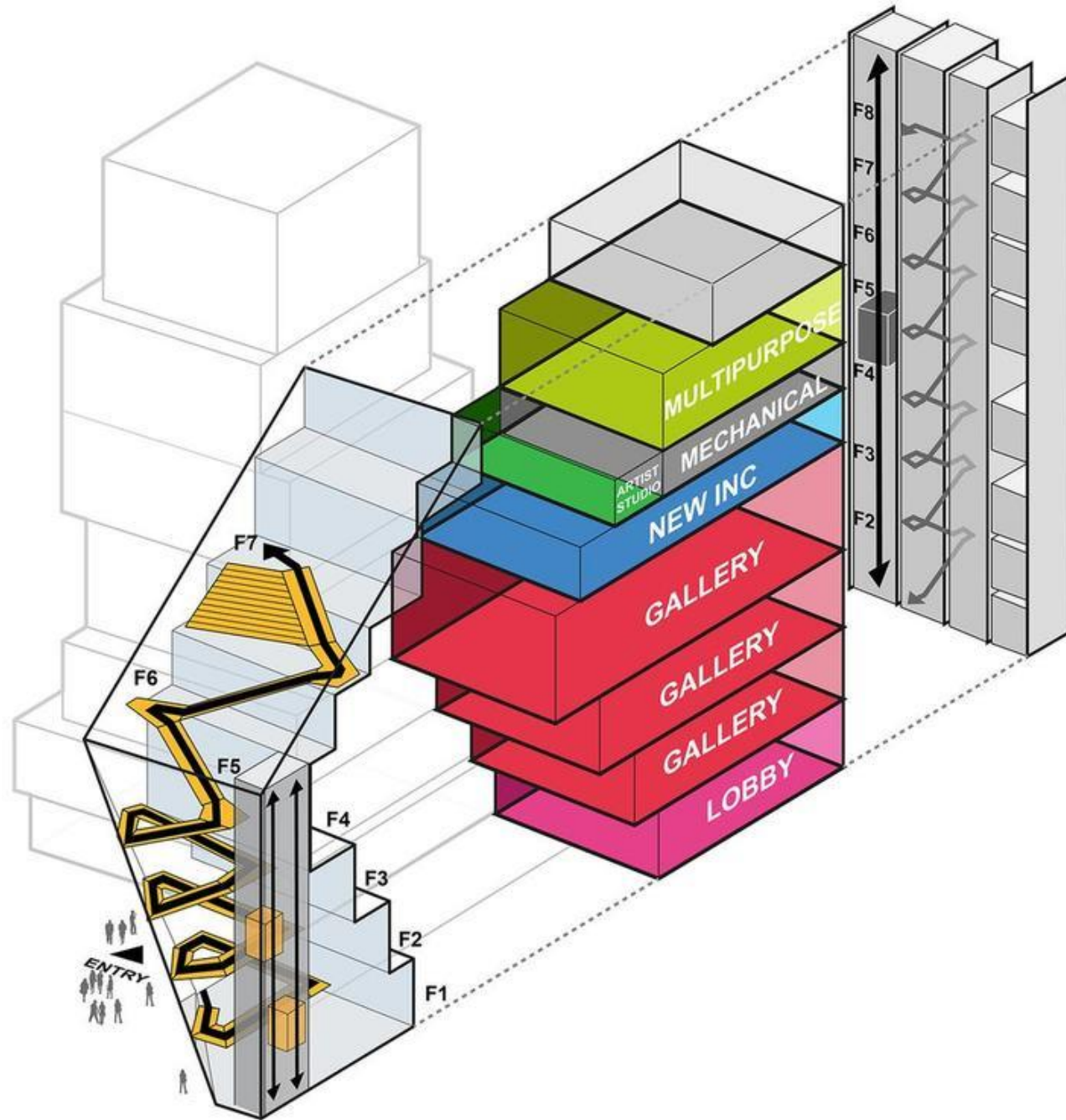
GROUND FLOOR

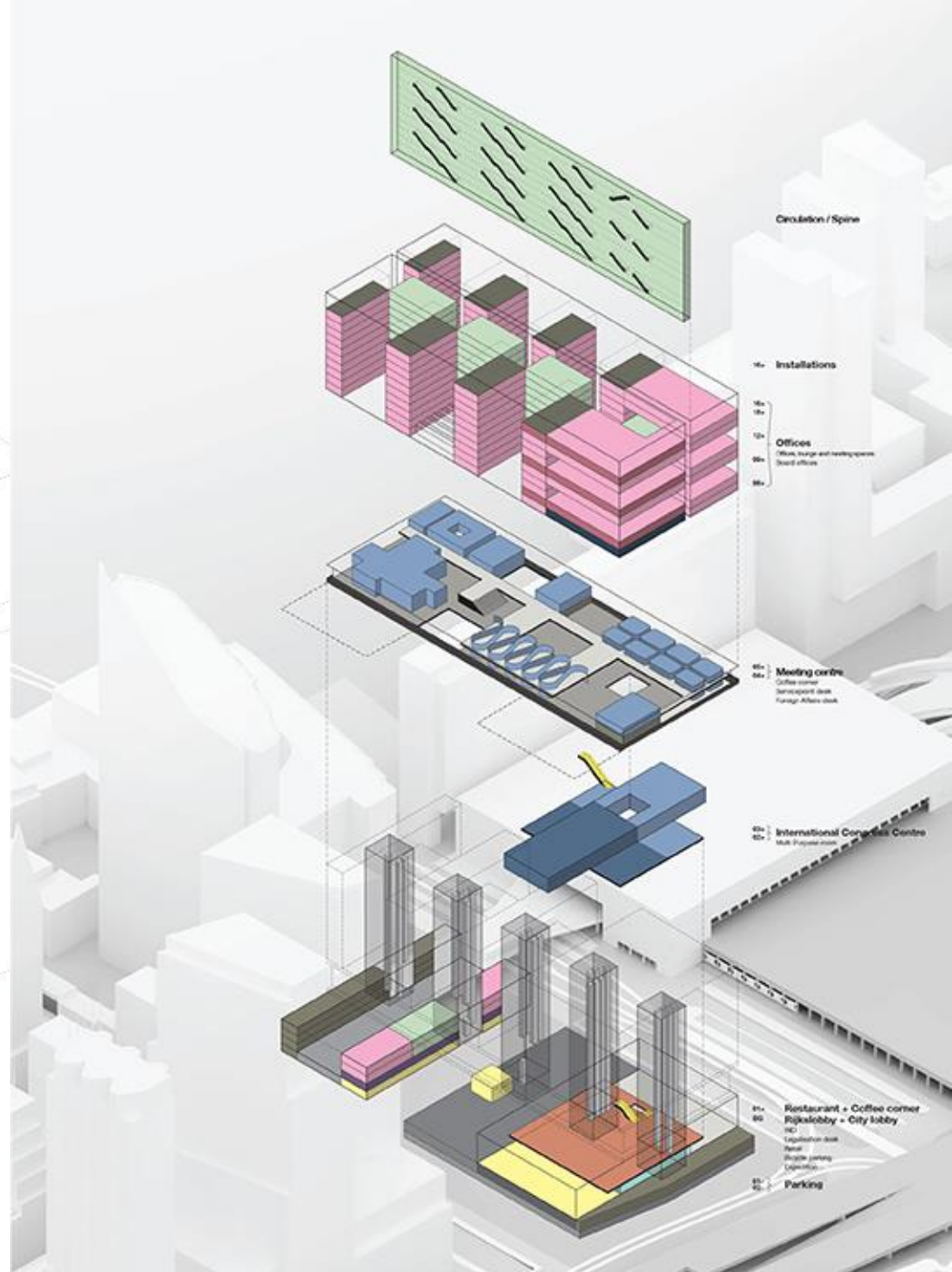
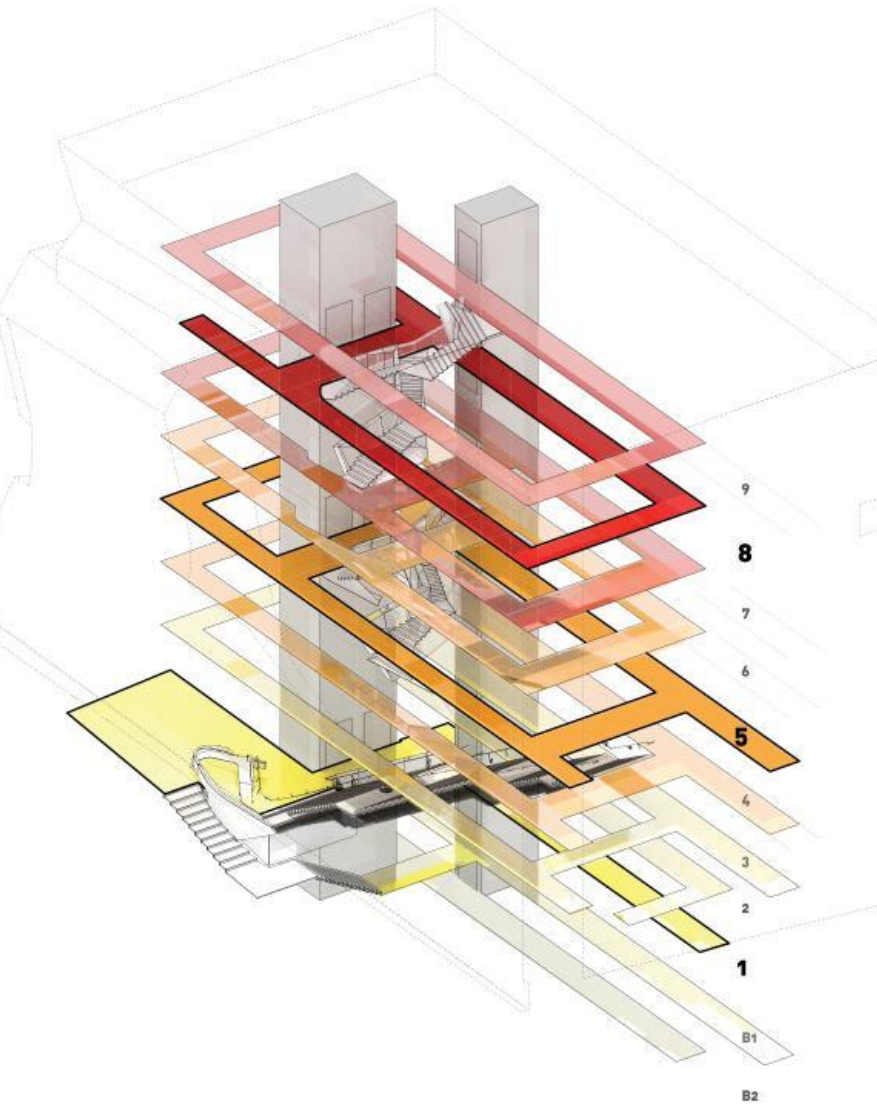
- Small Auditorium
- Lavatories & Circulation
- Educational Spaces
- Humans & the Environment
- Evolution & Ecology
- Earth Sciences
- Museum Shop
- Entrance
- Temporary Exhibitions
- Children's Area
- Large Auditorium
- Restaurant
- Storage

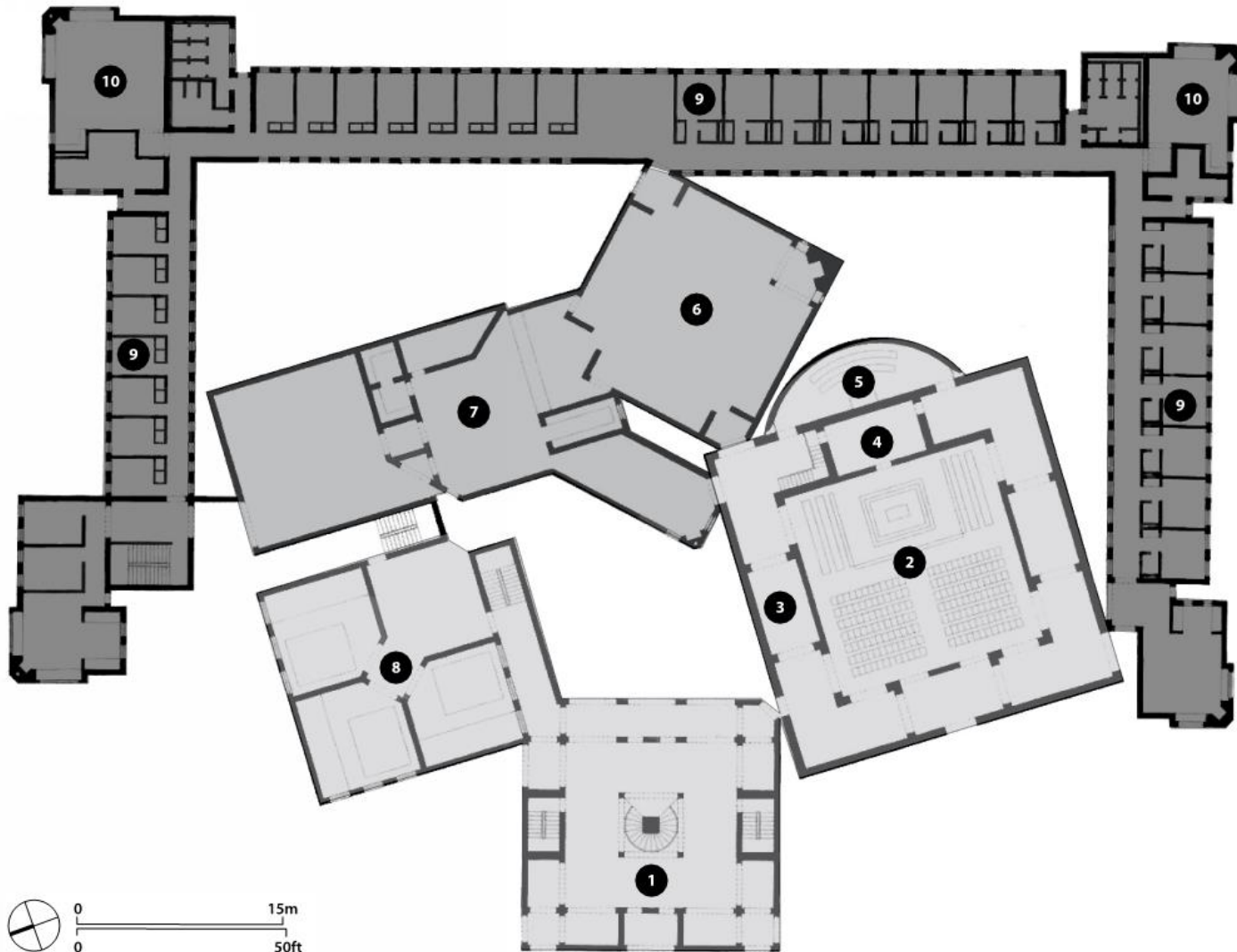
BASEMENT

- Museum Offices
- Storage
- Workshops
- Earth Sciences
- Parking







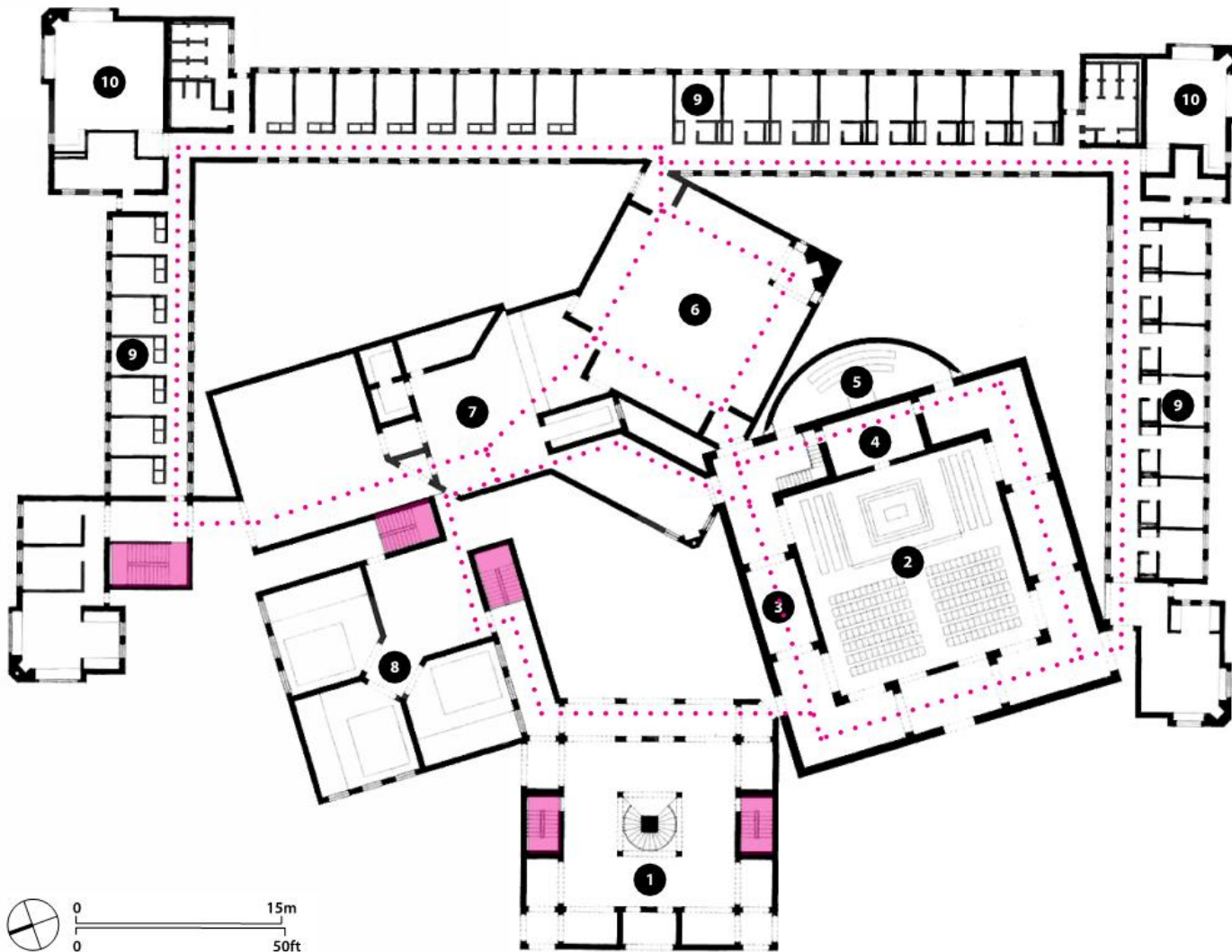


- Public
 - Semi-private
 - Private
- 1 Entrance tower
 - 2 Sanctuary
 - 3 Ambulatory
 - 4 Sacristy
 - 5 Private Chapel
 - 6 Refectory
 - 7 Kitchen
 - 8 Classrooms
 - 9 Cells with Ambulatory
 - 10 Hall with fireplace



PRIVATE / PUBLIC DIAGRAM

Dominican Sister Convent by Louis Kahn
 Pennsylvania, USA (1968)



⋯ Horizontal Circulation
 Vertical Circulation

- 1 Entrance tower
- 2 Sanctuary
- 3 Ambulatory
- 4 Sacristy
- 5 Private Chapel
- 6 Refectory
- 7 Kitchen
- 8 Classrooms
- 9 Cells with Ambulatory
- 10 Hall with fireplace

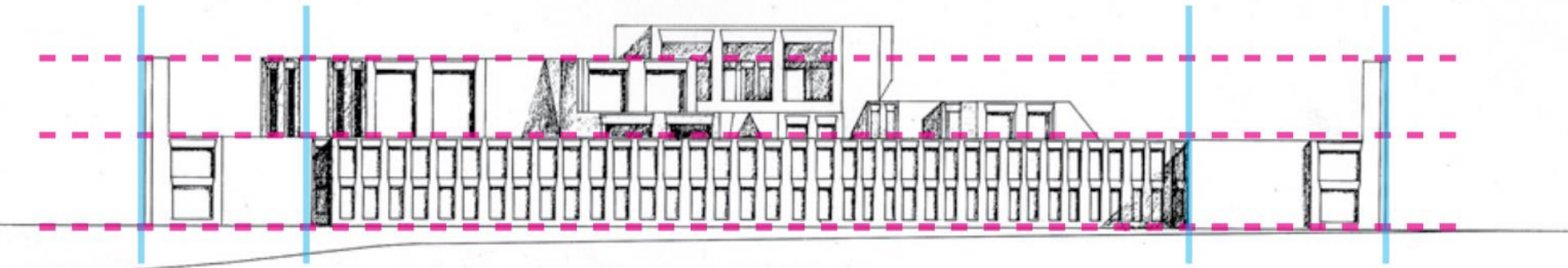
CIRCULATION DIAGRAM

Dominican Sister Convent by Louis Kahn
 Pennsylvania, USA (1968)

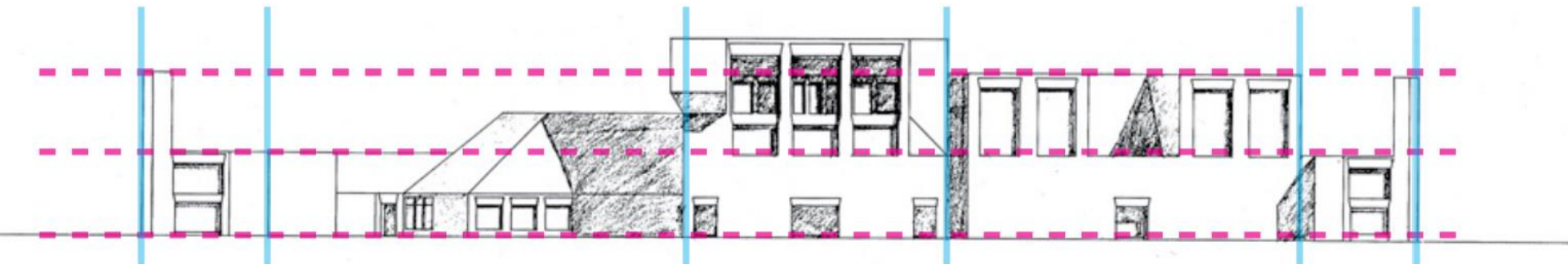


COMPOSITION - GEOMETRY DIAGRAM

Dominican Sister Convent by Louis Kahn
Pennsylvania, USA (1968)



EAST ELEVATION

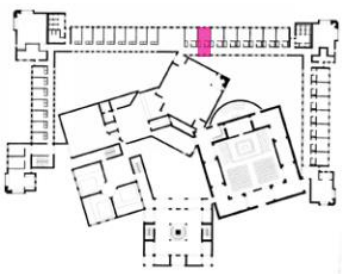
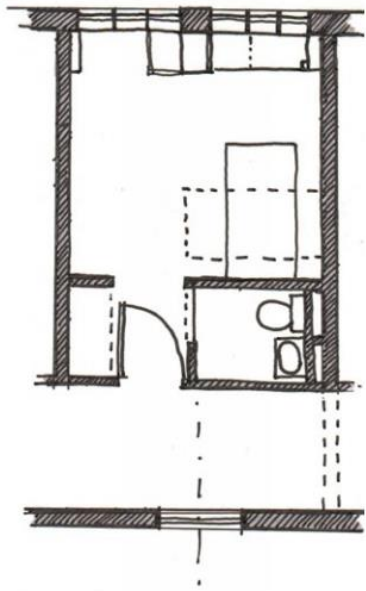
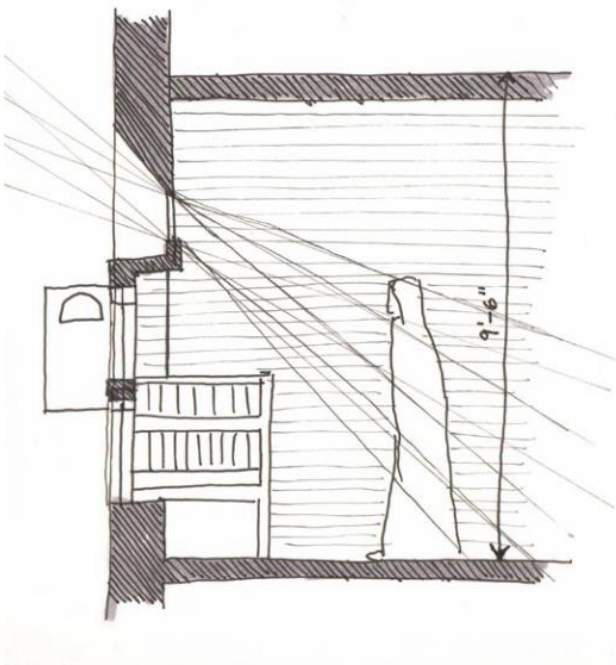


WEST ELEVATION



COMPOSITION - HIERARCHY

Dominican Sister Convent by Louis Kahn
Pennsylvania, USA (1968)

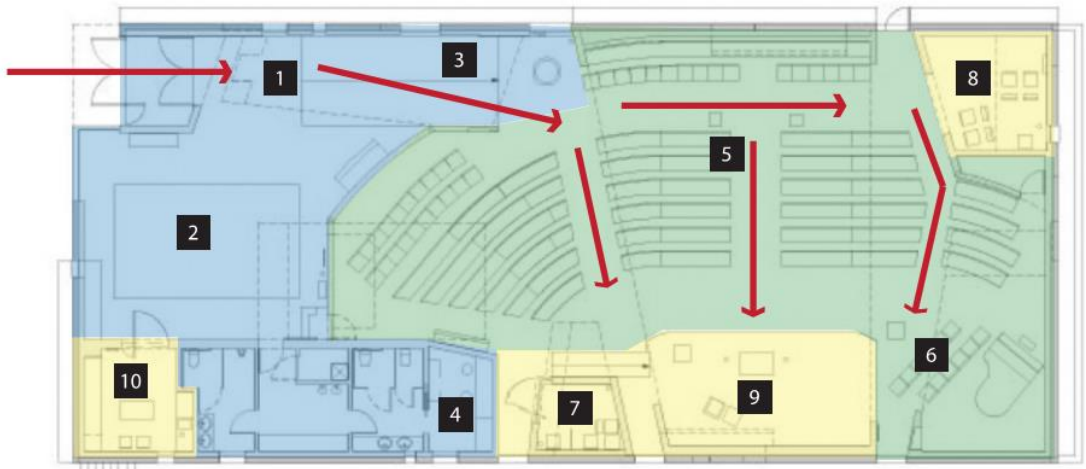
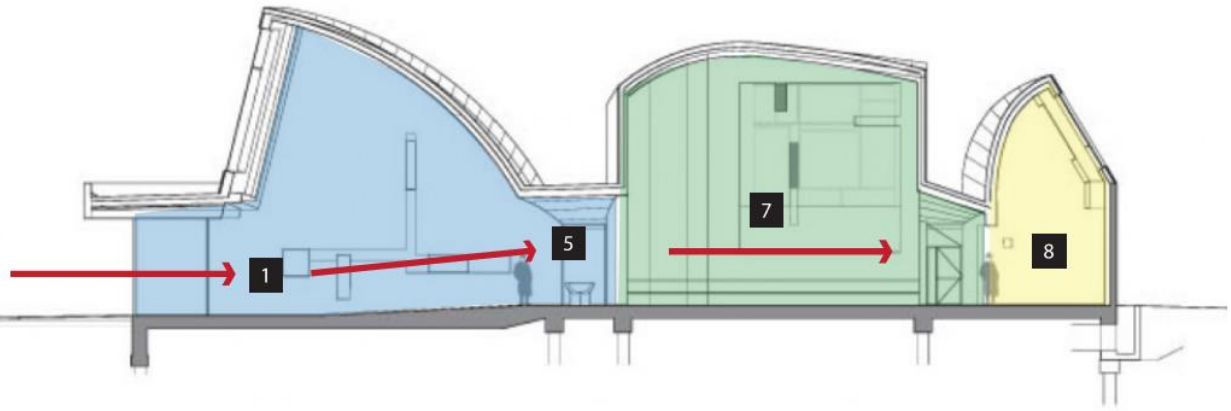


LIGHT / ANTHROPOMETRY

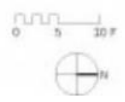
Dominican Sister Convent by Louis Kahn
Pennsylvania, USA (1968)

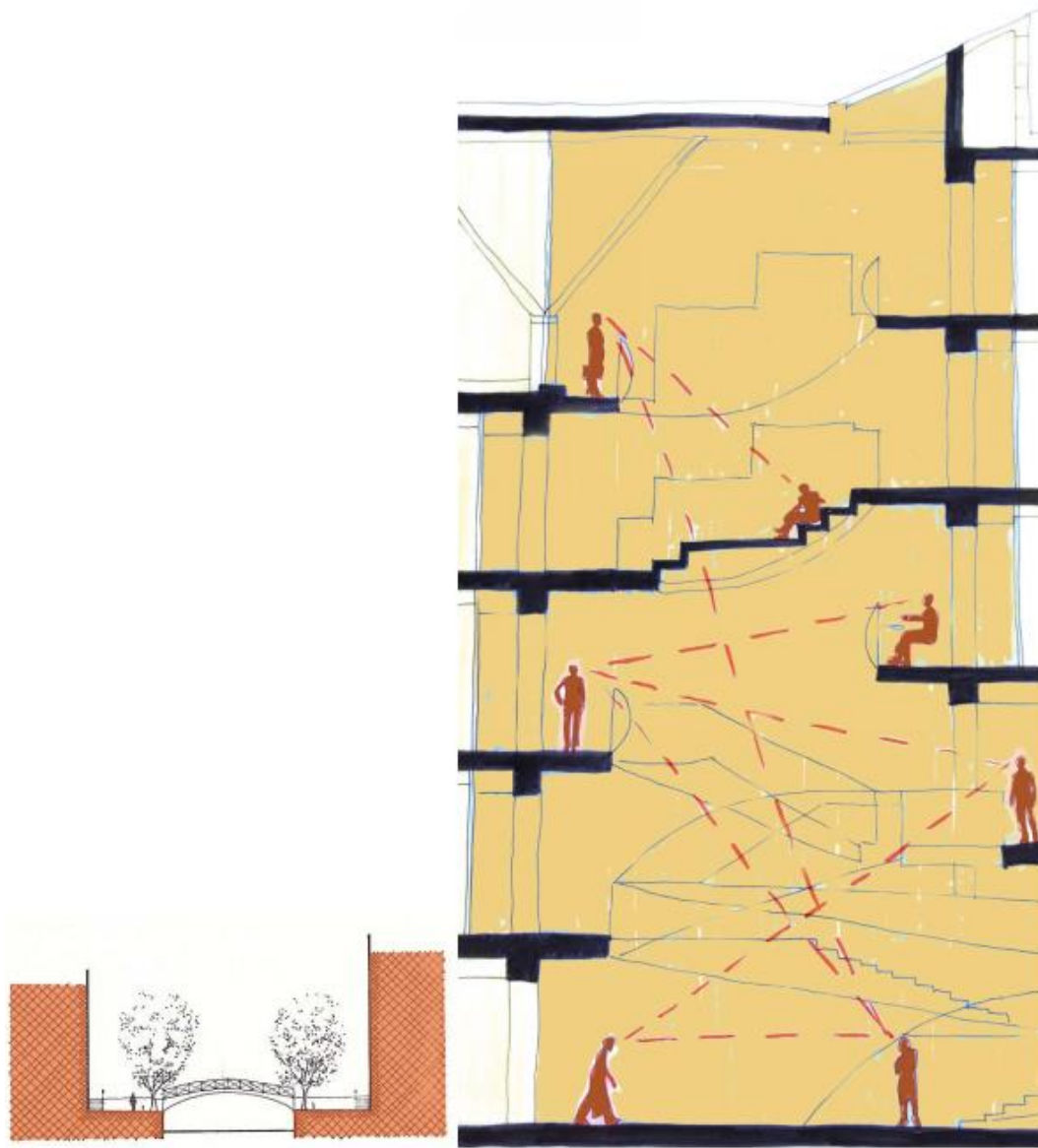
PROCESSIONAL SEQUENCE

*gradations of sacredness +
approaching sanctuary*



1	procession
2	narthex
3	baptistry
4	bridesroom
5	nave
6	choir
7	reconciliation chapel
8	blessed sacrament chapel
9	altar
10	vesting sacristy



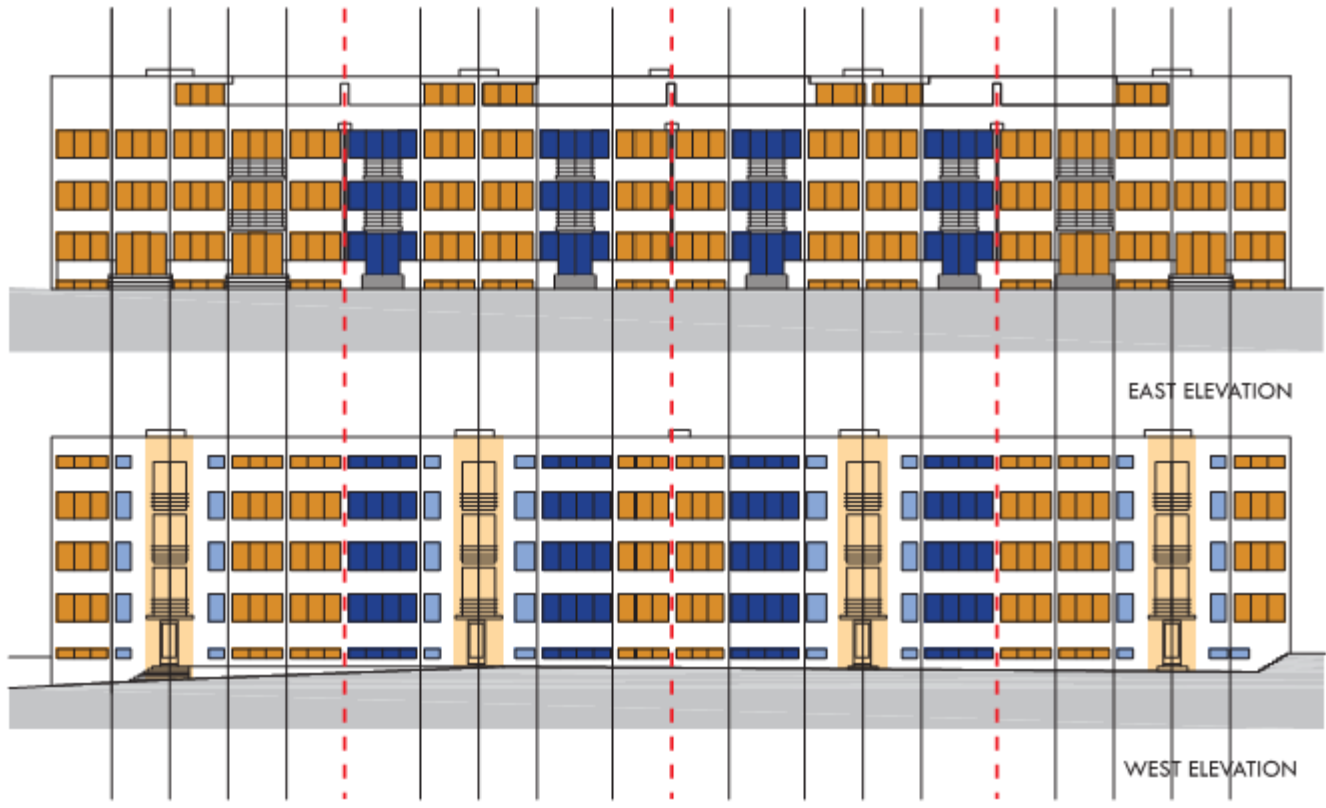


INTERACTION

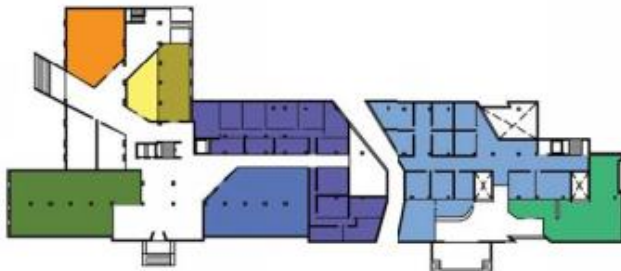
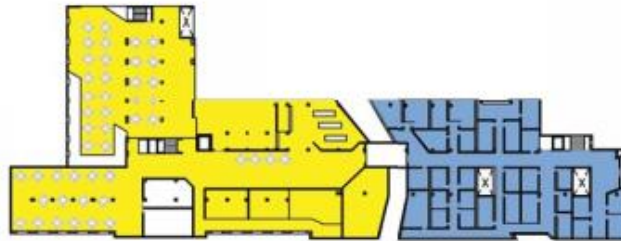
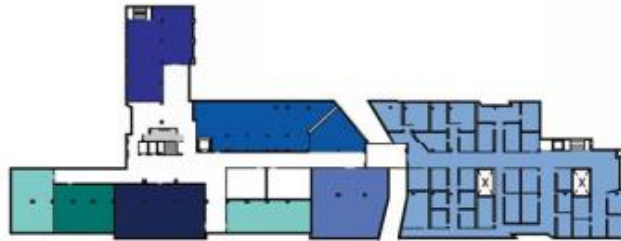
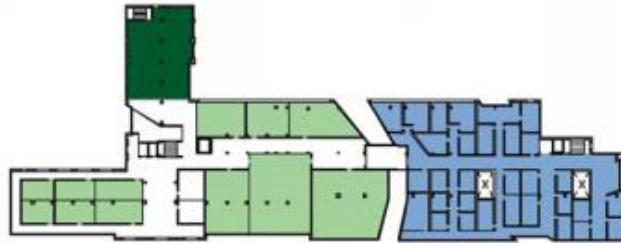
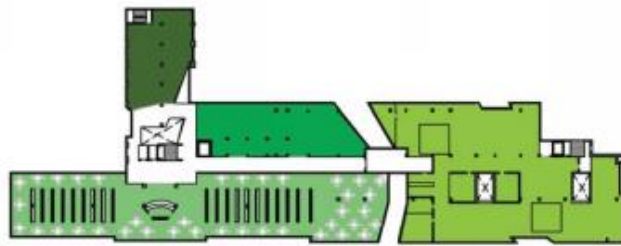


	HOUSE 1					HOUSE 2					HOUSE 3					HOUSE 4									
Numeric composition	3	3	3	3	3	4	3	3	4	3	3	3	4	3	3	4	3	3	4	3	3	3	3	3	3
Binary composition	011010001101000110100011010001101000110100011010101101000110100011010001101010110100011010001101010110100011010001101010110100011010001101000110100																								

- 1-bay window
- 3-bay window
- 4-bay window
- Vertical circulation
- Fixed walls
- Structural grid



Binary composition	0110001101100010011000100110011011001101101010101100110110011011010101101000110100011010101100110110011011010101101000110100011001101100110110100																								
Numeric composition	3	1	1	3	3	4	1	1	4	3	3	4	1	1	4	3	3	1	1	4	3	3	1	1	3
	HOUSE 4					HOUSE 3					HOUSE 2					HOUSE 1									



CONVENIENCE

- Money Exchange
- Postal Service
- Notary
- Food Court

- 1 -Mini Mart
- 2 -Outdoor Café
- 3 -Park and Ride
- 4 -Bike Storage/ Changing Rooms/ Showers
- 5 -Lincoln Heights Gold Line Station

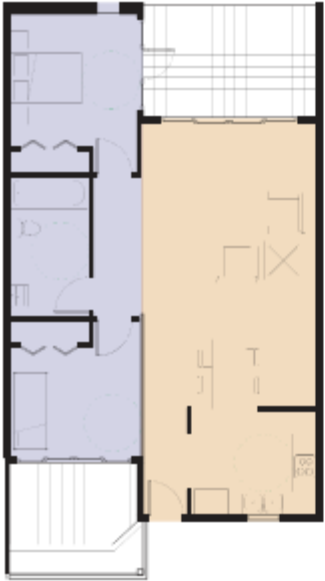
IMMIGRATION SERVICES

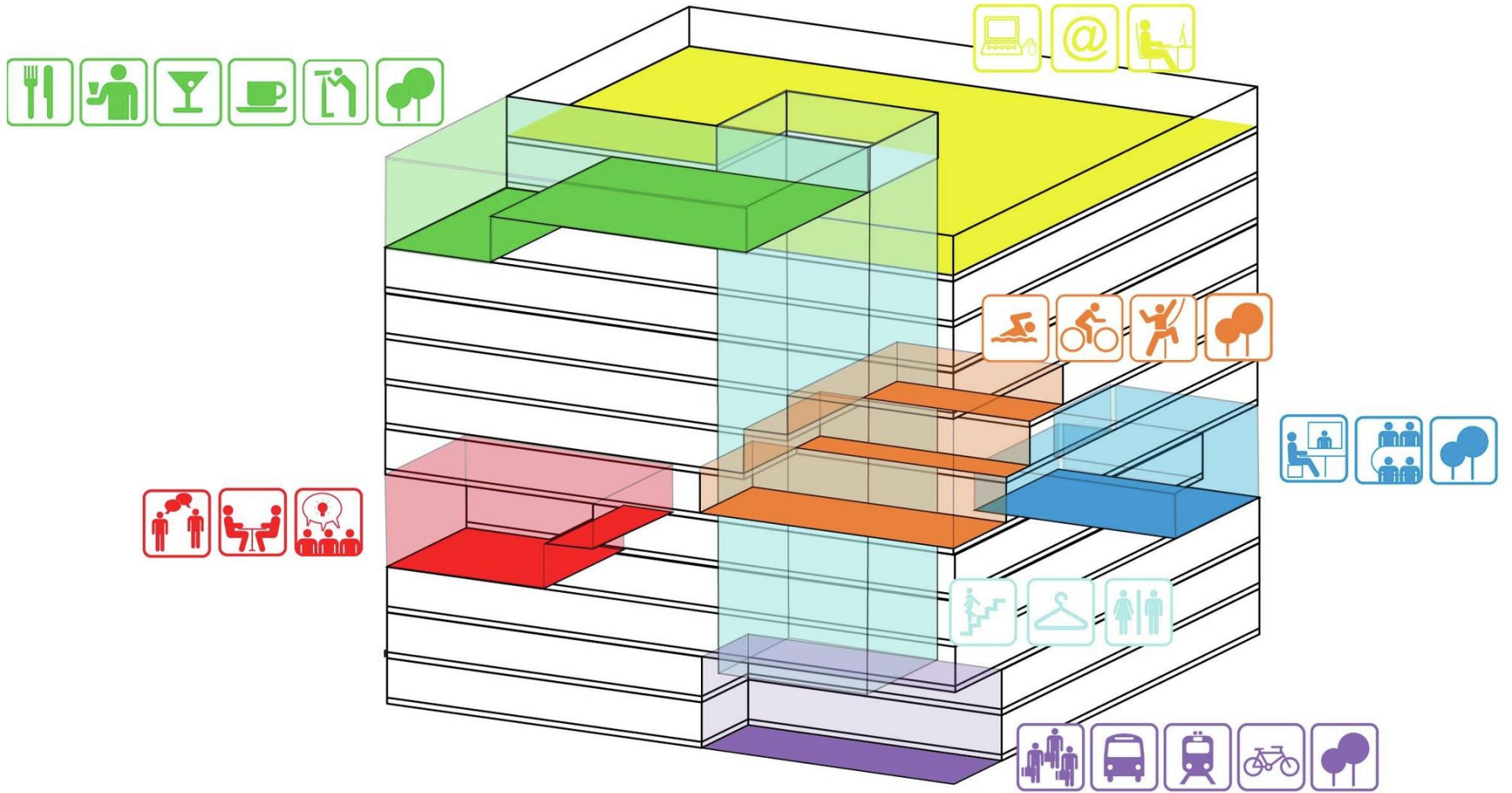
- Registration
- Administration
- Health and Education
- Emergency/ Safety
- Citizenship
- Travel/ Transportation
- Social Security
- Drivers License
- Housing Assistance
- Temporary Living
- Job Placement

COMMUNITY

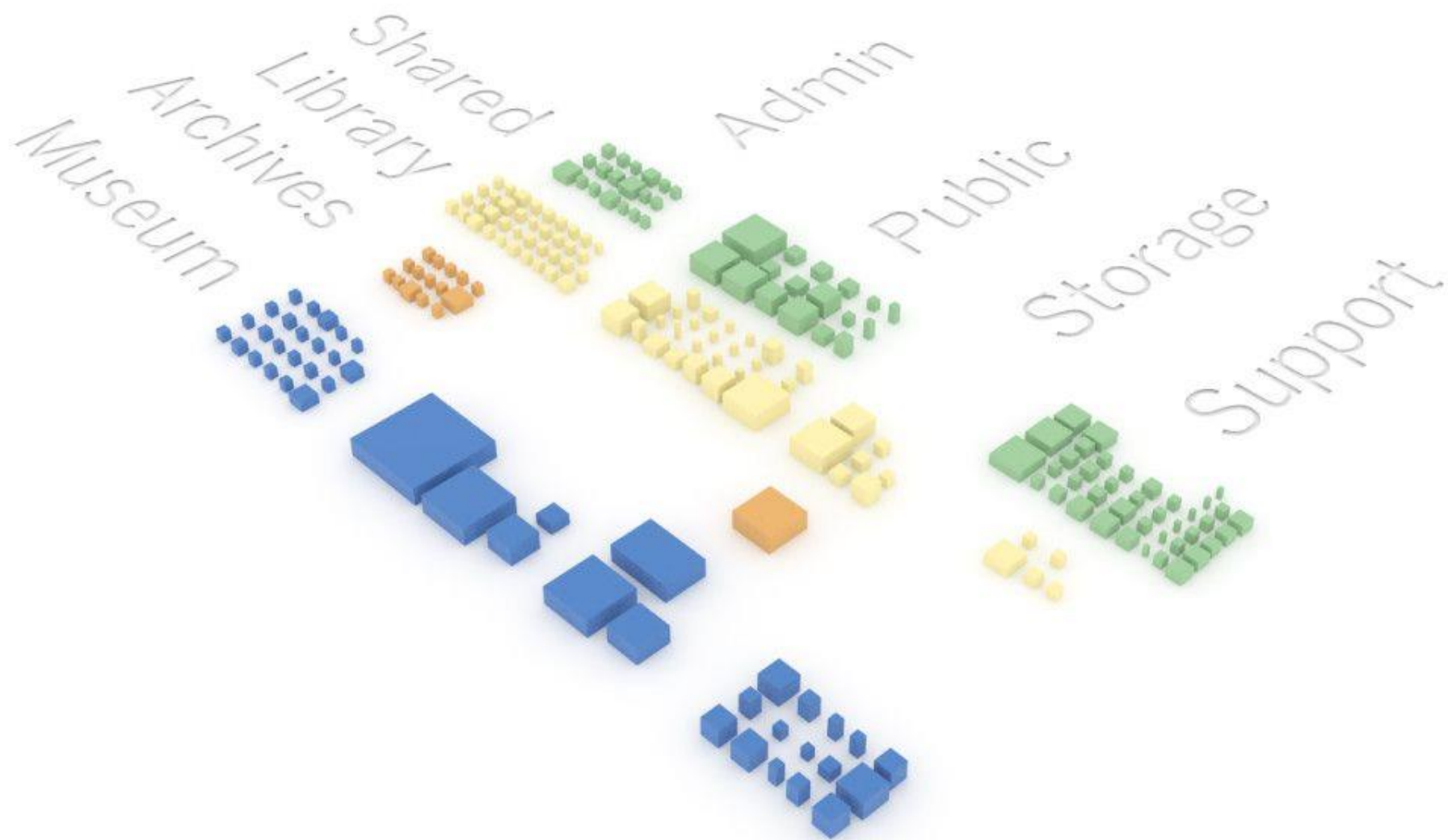
- Counseling Center
- Family/Parent Center
- Los Angeles Youth Athletic Club (Preserved)
- Daycare
- Library
- Community Center/ Gang Awareness
- Bilingual Foundation for the Arts Classrooms/Labs (Relocated)

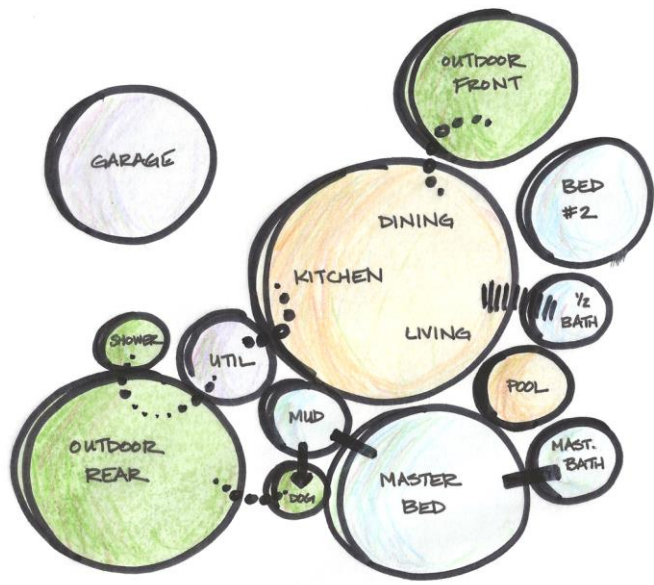
- 6 -Amphitheatre
- 7 -Botanical Park
- 8 -River Bike Path
- 9 -Biofiltration Treatment Area



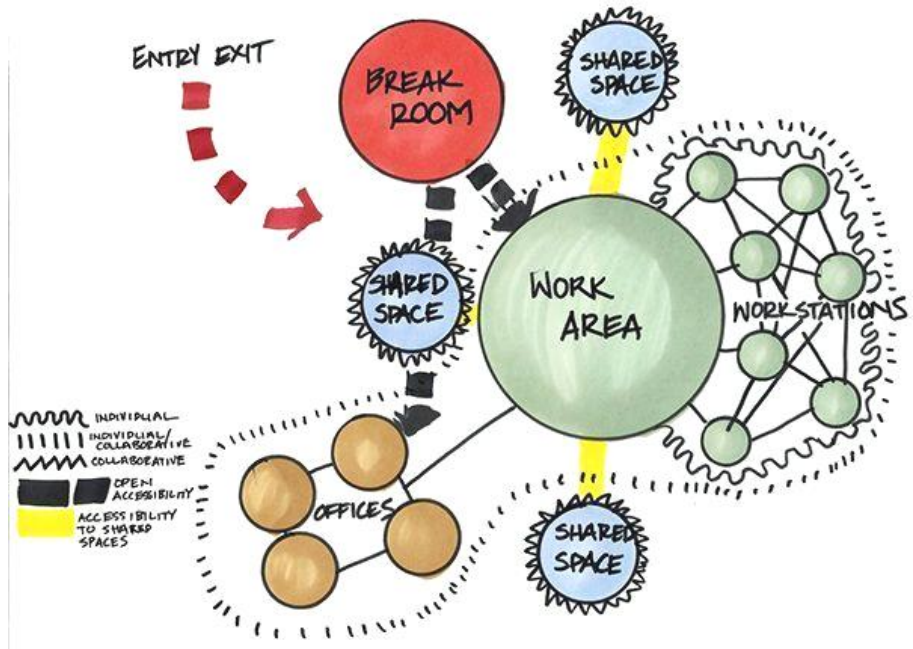
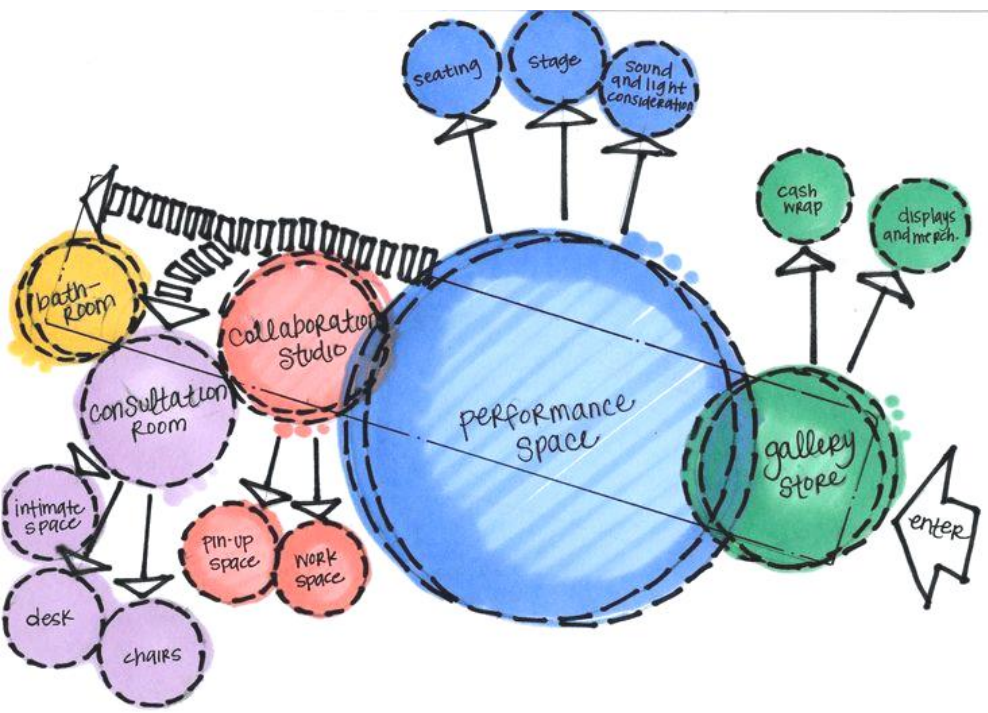
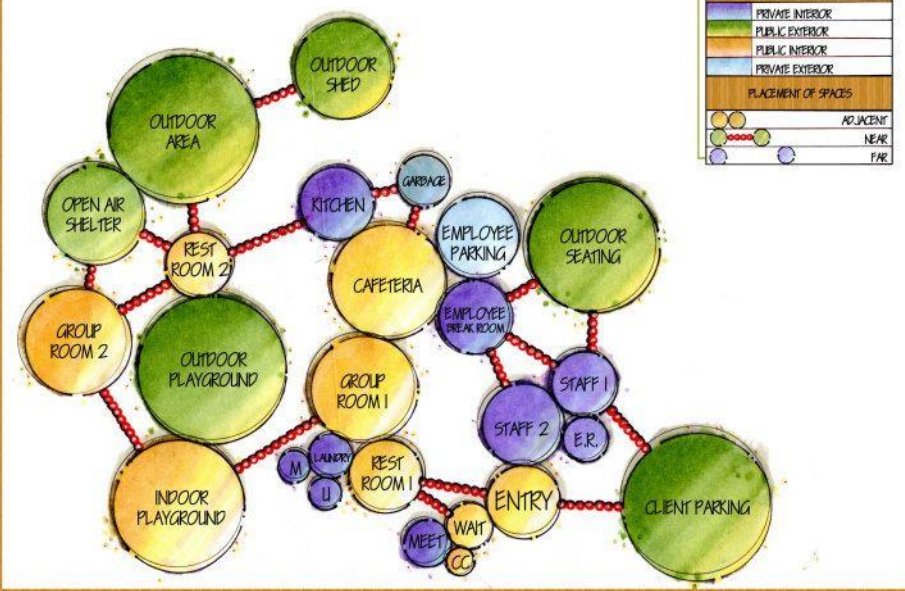


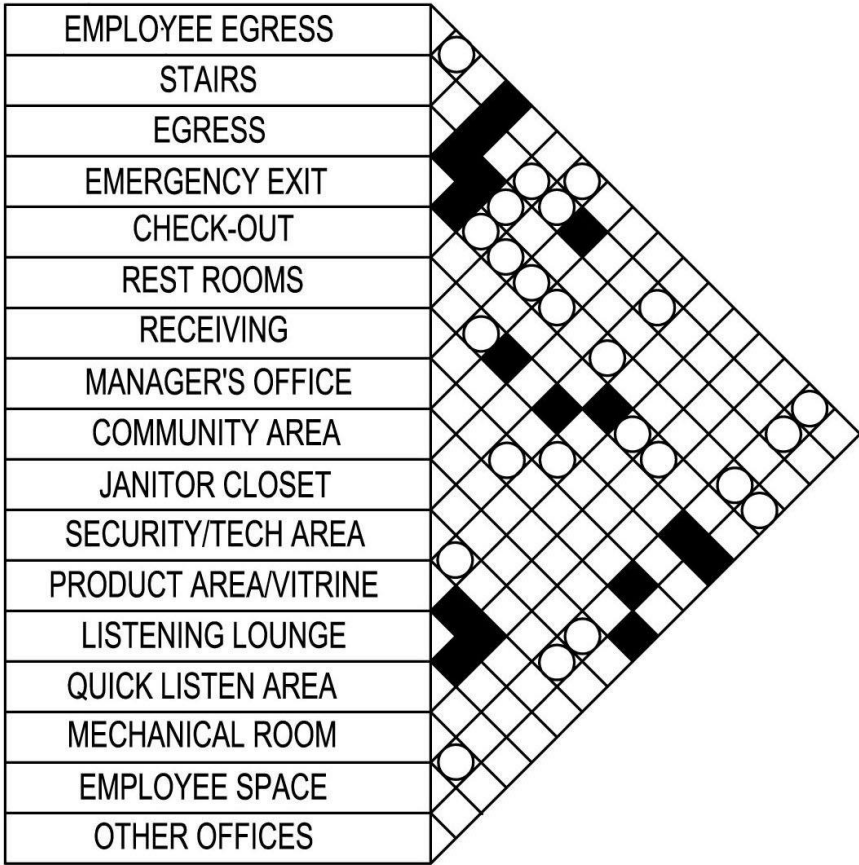
Program Analysis





SPACE ADJACENCY ANALYSIS FOR LI'L EXPLORERS



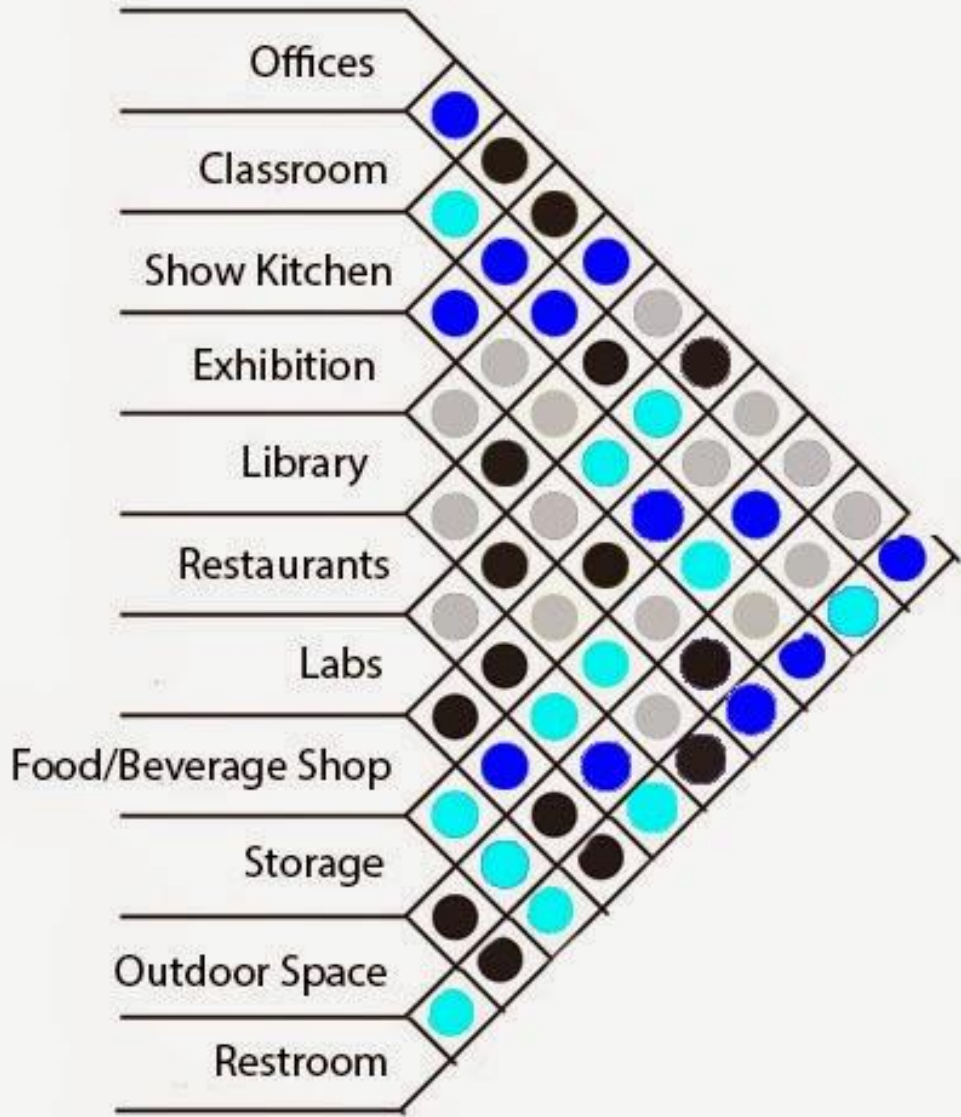


LEVEL OF PRIORITY

■ HIGH

□○ MEDIUM

□ LOW



Adjacency Matrix

- adjacent
- nearby
- not adjacent
- not related

CRITERIA MATRIX

FOR:
UNIVERSITY CAREER
COUNSELING CENTER

50 FOOTAGE
NEEDS

ADJACENCIES

PUBLIC ACCESS

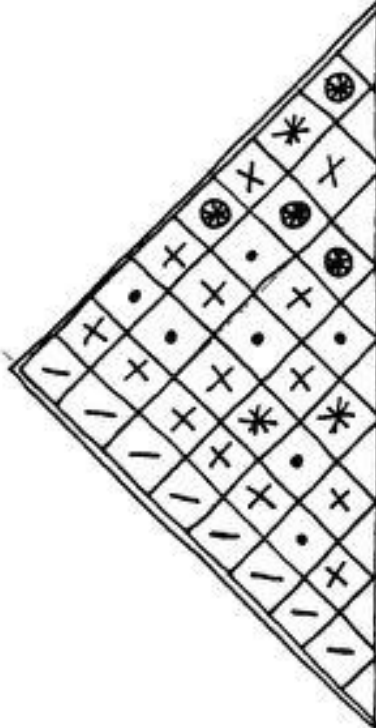
DAYLIGHT
AND/OR
VIEW

PRIVACY

PLUMBING

SPECIAL
EQUIPMENT

SPECIAL
CONSIDERATIONS



① RECEPTION	250	② ③	H	Y	N	N	N	TRAFFIC HUB ADJ. TO MAIN ENTRANCE
② INTERVIEW STA. (4)	220	① ④	M	I	L	N	N	FEEL LIKE A TEAM OF FOUR
③ DIRECTOR	140	④	M	Y	H	N	N	HIGHEST IMAGE ACCESS TO REAR DR FOR PRIVATE EXIT
④ STAFF	180	③	M	Y	M	N	N	
⑤ SEMINAR RM	300	① ⑥ ⑦	H	I	H	N	Y	A/V USE IMPORTANT CLOSE TO ENTRANCE
⑥ REST ROOM (2)	200	↑ CENTRAL ↓	M	N	H	Y	N	
⑦ WORK AREA	120	② ④ CENTRAL	L	N	M	Y	Y	
⑧ COFFEE STATION	50	CENTRAL	H	Y	N	Y	Y	CONVENIENT FOR EVERYONE
⑨ GUEST APARTMENT	350	REMOTE	L	Y	H	Y	N	RESIDENTIAL CHARACTER

LEGEND

- H = HIGH
- M = MEDIUM
- L = LOW
- Y = YES
- N = NO/NONE
- I = IMPORTANT BUT NOT REQUIRED
- - IMMEDIATELY ADJACENT
- * - IMPORTANT ADJACENCY
- X - REASONABLY CONVENIENT
- - UNIMPORTANT
- - REMOTE

TOTAL NEEDED = 1810 S.F.
2500 S.F. - 625 S.F. = 1875 S.F.

TOTAL AVAILABLE = 2500 S.F.
LESS 25% FOR CIRCULATION = 625 S.F.

NOTE: IN "ADJACENCIES" COLUMN

① - INDICATES ADJACENCY IMPORTANCE
② - INDICATES MAJOR ADJACENCY IMPORTANCE

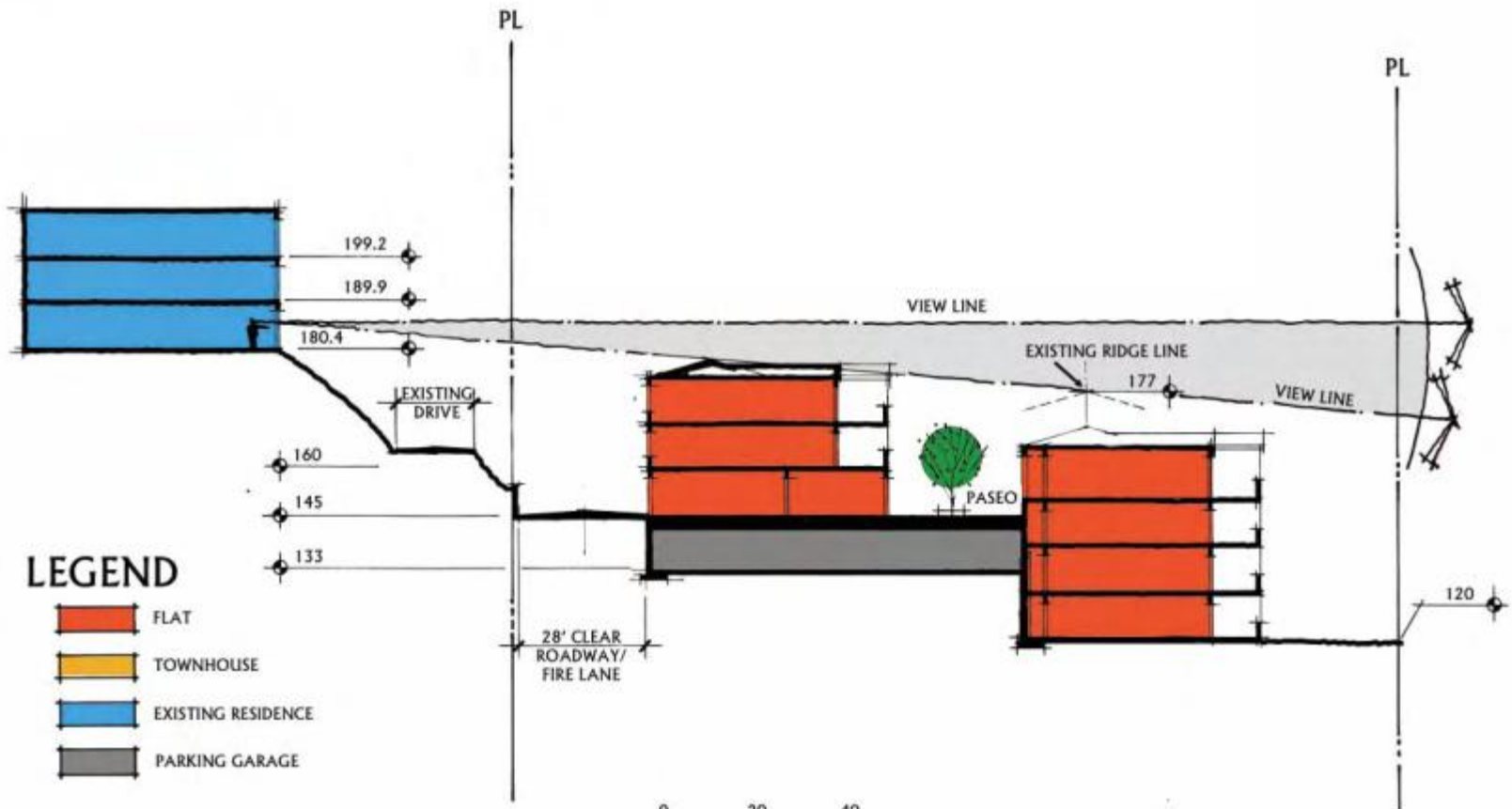
HOUSING

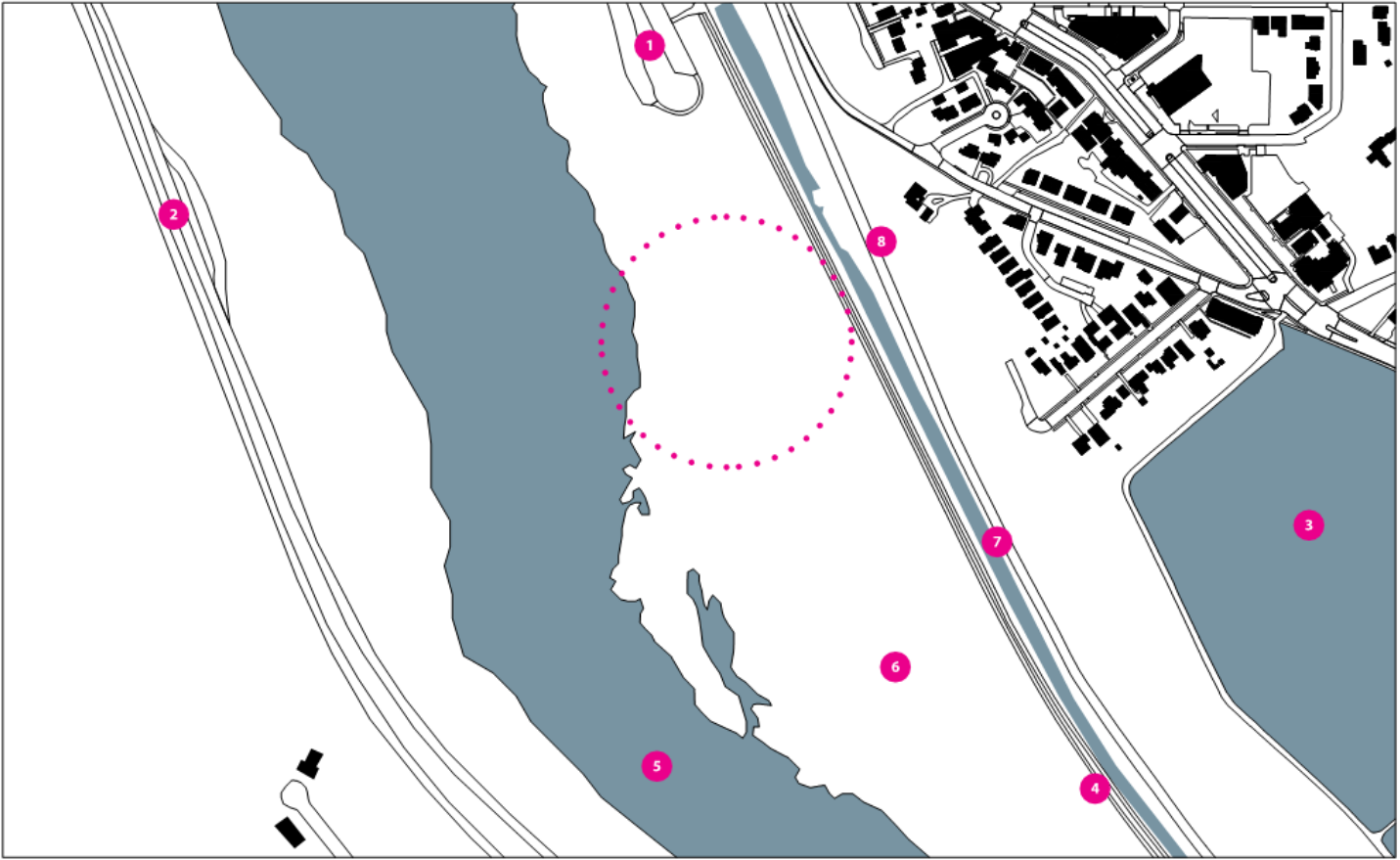


- important adjacency
- desirable adjacency
- unimportant adjacency

	loft units	one bedroom units	two bedroom units	leasing office	conference room	reading/study room	gym	men's restroom	women's restroom
loft units		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
one bedroom units	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>					
two bedroom units	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>					
leasing office	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
conference room				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
reading/study room				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
gym				<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
men's restroom				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
women's restroom				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Site Analysis





Proposed Site

- 1 Boathouse Parking
- 2 Highway Overlook
- 3 Georgetown Reservoir
- 4 Capital Crescent Trail
- 5 Potomac River
- 6 Abner Cloud House
- 7 C&O Canal
- 8 Canal Road NW

IMMEDIATE SITE CONTEXT



Proposed Site

- 1 Fletcher's Boathouse
- 2 Highway Overlook
- 3 Georgetown Reservoir
- 4 GW Mt. Vernon Campus
- 5 Potomac River
- 6 Abner Cloud House
- 7 Georgetown University
- 8 Glover Archibald Park

URBAN CONTEXT

Santa Monica Beaches and Hotels
Beach-City Interface + Connections

The study we conducted on the theme of connectivity as it pertains to the beaches of Santa Monica yielded a number of interesting conclusions. We found that there is a hierarchy of connections that exist—physical and visual connections.



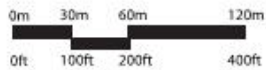
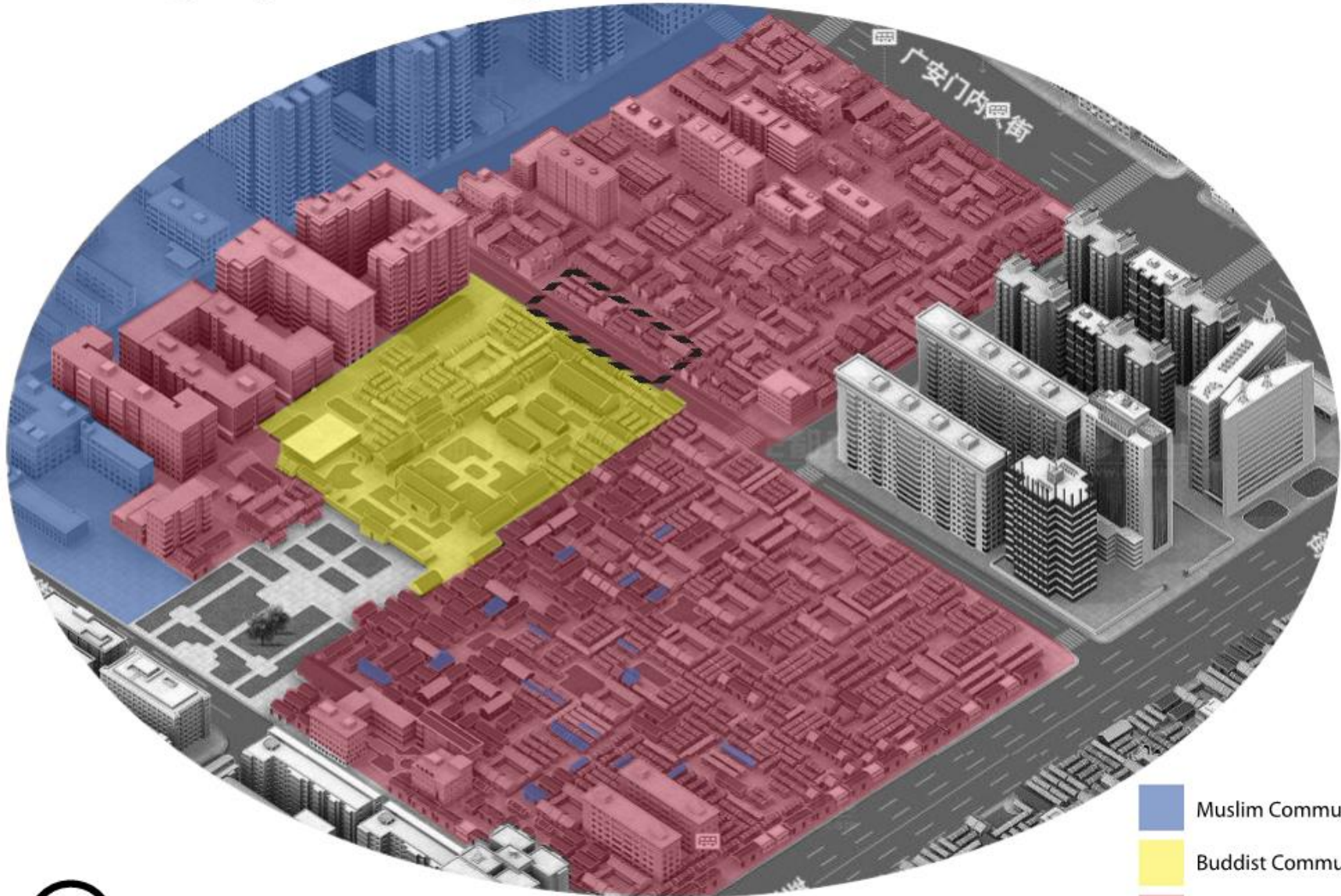






Visual Connectivity + Beach-City Interface

There is certainly a wide range of visual typologies that exist near the Santa Monica Pier. The visual interface of each hotel refers to a particular hotel's proximity to the water, stylistic references, and physical appeal to visitors. One can group the hotels that sit near the water based upon themes that relate to their appearance: (1) modest and or inexpensive hotels, (2) extravagant and expensive hotels, (3) and "beachy" hotels that attempt to project a beach front appearance.

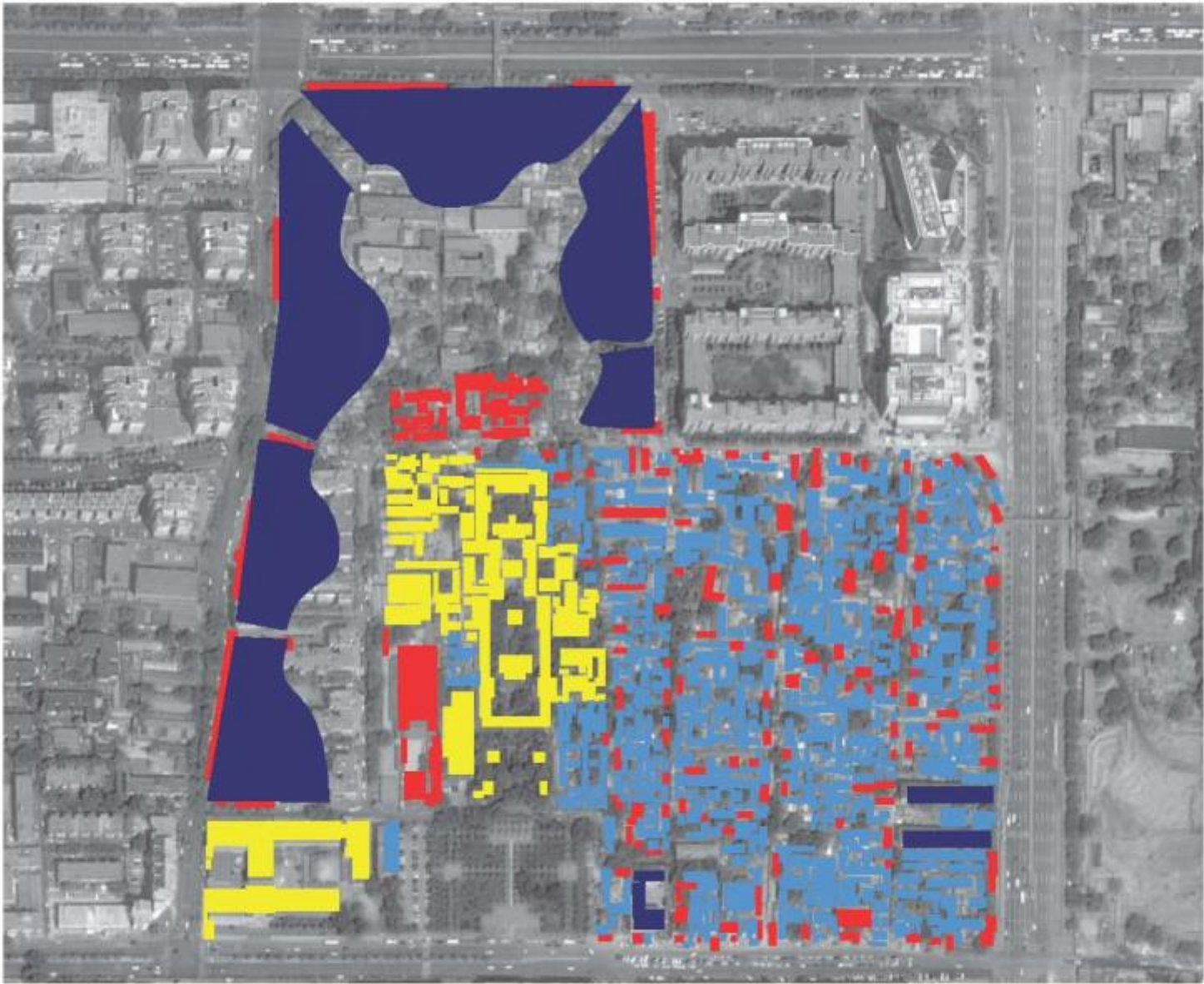


Demographics Diagram

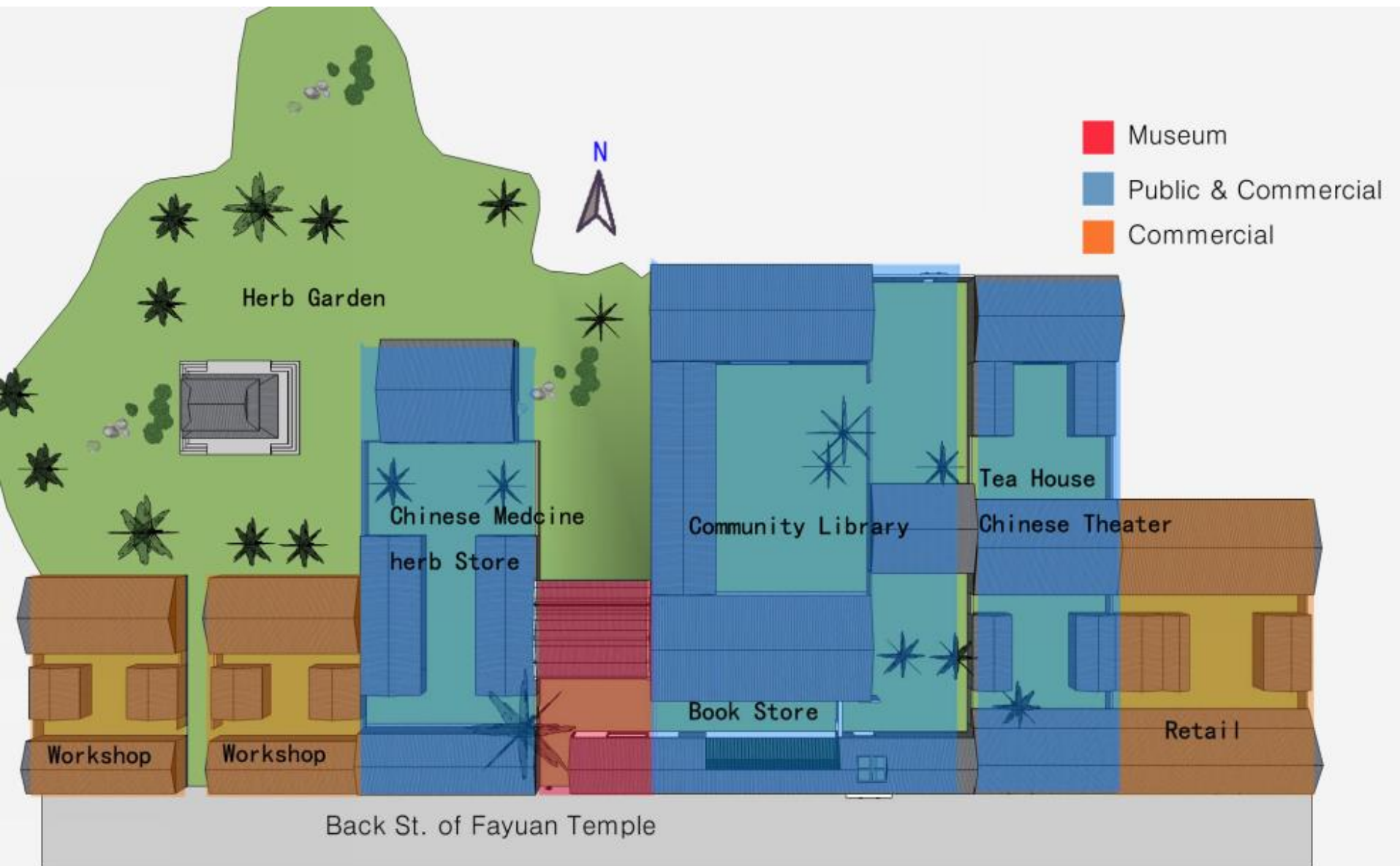


-  Muslim Community
-  Buddhist Community
-  General Community
-  General Xie Memorial Site

PROPOSED LAND USE MAP



-  Low Density Residential
-  High Density Residential
-  Spiritual Spaces
-  Neighborhood Commercial



- 7 regular courtyards and a garden are to be preserved in the extended preservation zone
- Highlight the Xie's museum in the centre and exhibit his works in the community library
- Flexible plan for use change while each courtyards can be individual or connected

vicinity map.



ronald reagan courthouse.



parking structure.



santa ana city hall.



grand central building.



OCCA.



new residential development.



proposed site. existing building to be demolished.



proposed site. existing building to be demolished.



grand central building. directly across from proposed site.

Museum Studies

Neutral

White / Black

Flexible

Disengaged

Rational

Indexical

White Box

Black Cube

Narrative

Form-First

Color

Rigid

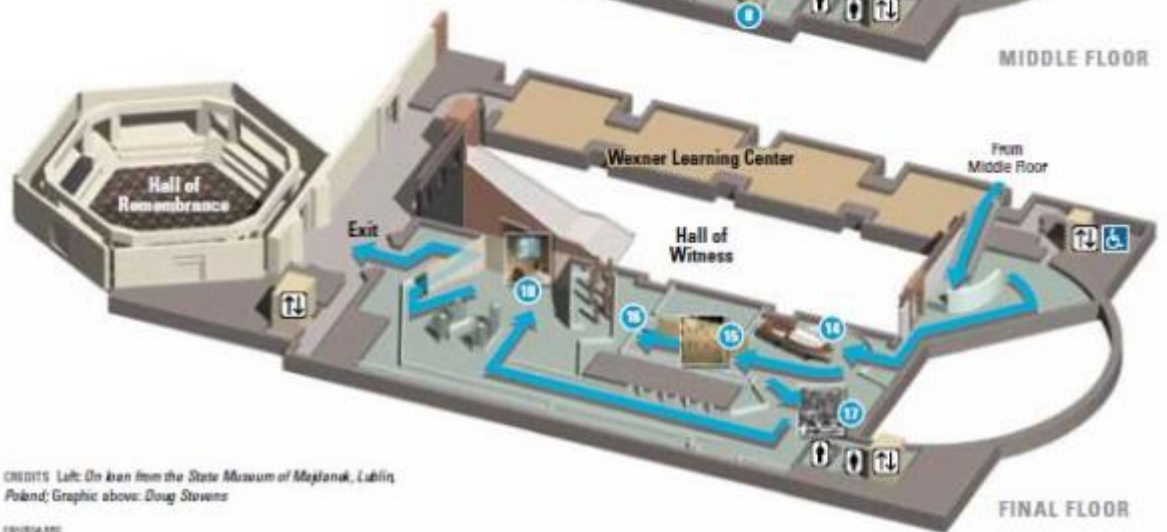
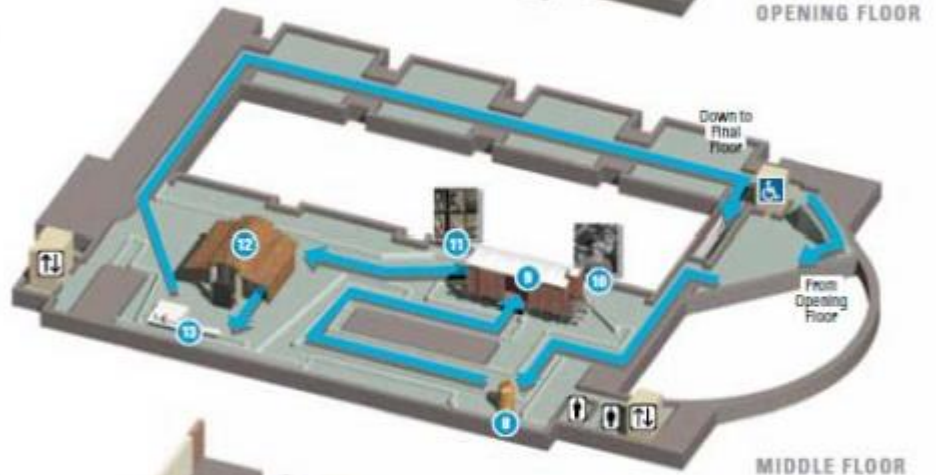
Biased

Expressive

Emotional



- 1 Americans Encounter the Camps
- 2 The Terror Begins
- 3 Nazi Propaganda
- 4 The "Science" of Race
- 5 Kristallnacht
- 6 The Search for Refuge
- 7 Nazi "Euthanasia"
- 8 Warsaw Ghetto Milk Can
- 9 Railcar
- 10 Arrival at the Killing Centers
- 11 Prisoners of the Camps
- 12 Auschwitz Barracks
- 13 Gas Chamber Model
- 14 Danish Rescue
- 15 Rescuers Wall
- 16 Resistance
- 17 Liberation
- 18 Testimony Theater



CREDITS Left: On loan from the State Museum of Majdanek, Lublin, Poland; Graphic above: Doug Stevens

ENR/DAVID









