

Ryan Skelly

Los Angeles Museum of Street Art

ARCH 405bL | Spring 2017



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Project Context and Narrative

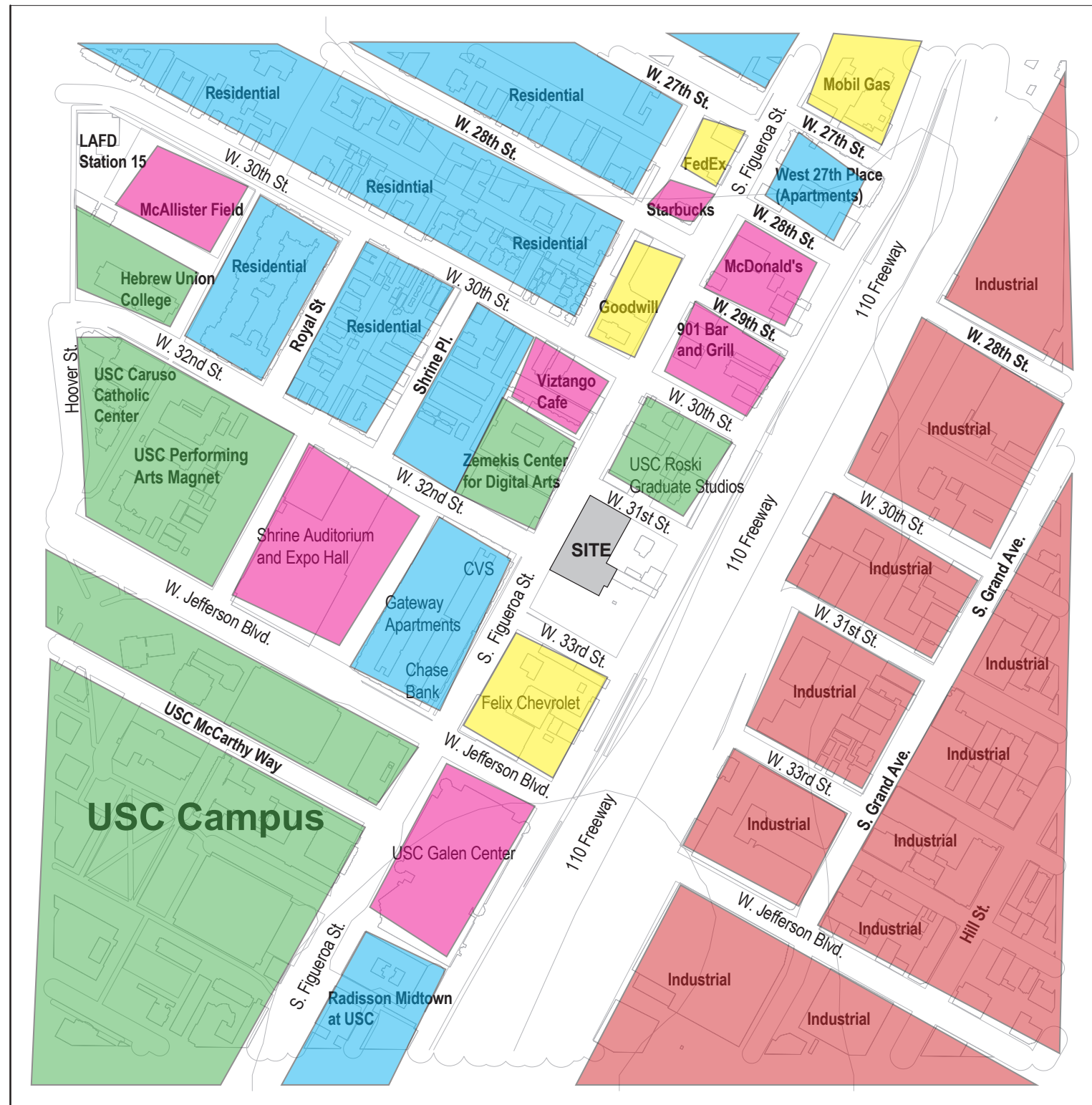
THE LOS ANGELES MUSEUM OF STREET ART

Since its beginning, street art has played a crucial role in fostering political, cultural and artistic expression in the City of Los Angeles. The beauty of street art is the simple yet bold way it makes a statement--anywhere, anytime, in any medium or on any surface. As such, the Los Angeles Museum of Street Art pays homage to the urban environment as a canvas for cultural expression and a hub for artistic design. It is a space where the individual immerses herself in the urban community with the opportunity to observe, interact with and create new content.

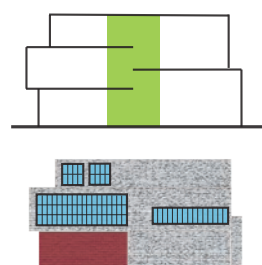
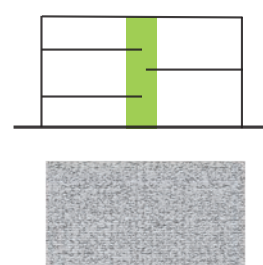
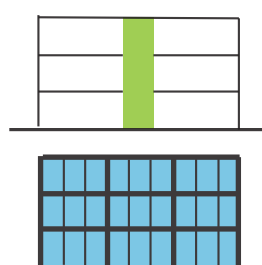
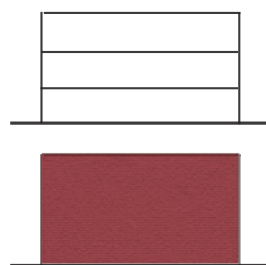
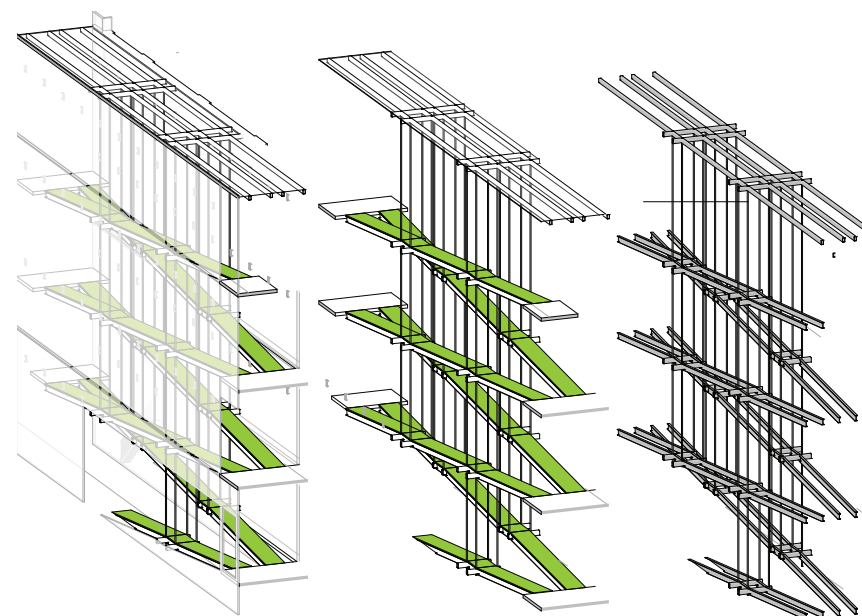
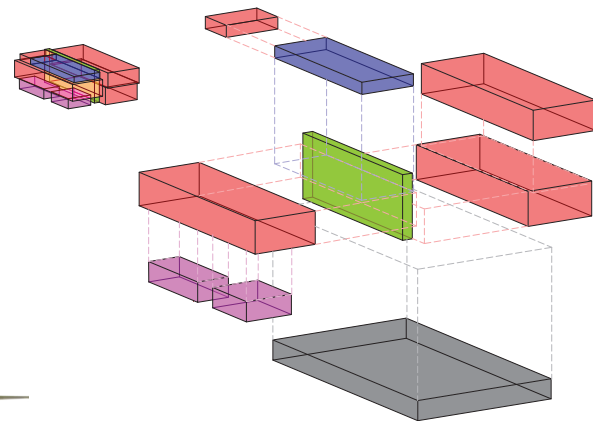
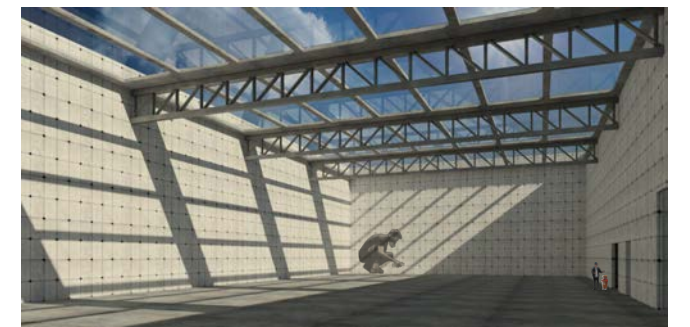
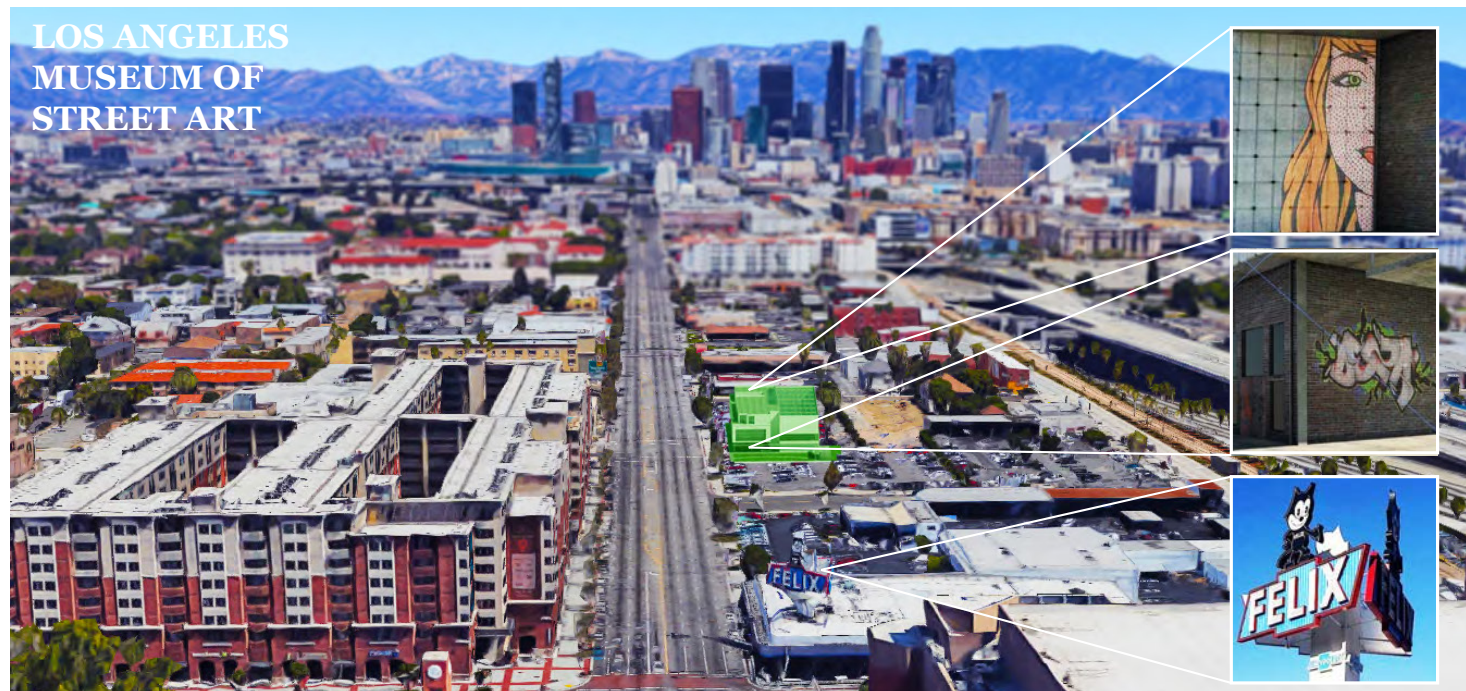
Street art often looks to old brick warehouses or massive concrete walls for a home. For the museum's exterior facade, salvaged brick on the lower level gives way to massive interlocking concrete blocks above. Exposed steel columns mesh with expansive curtain walls, alluding to the transition of materials in 20th century America, and canvas changes for street art.

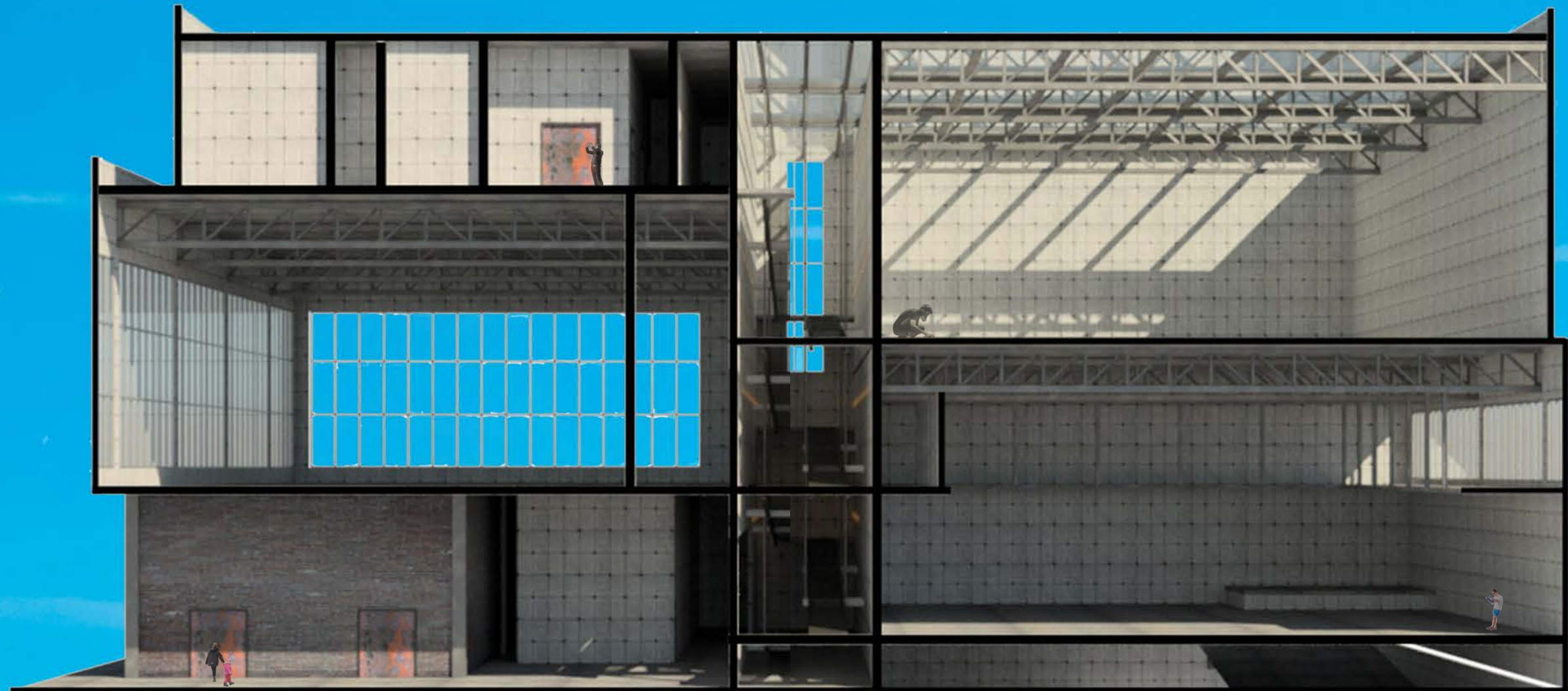
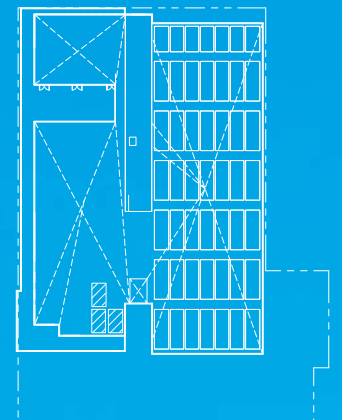
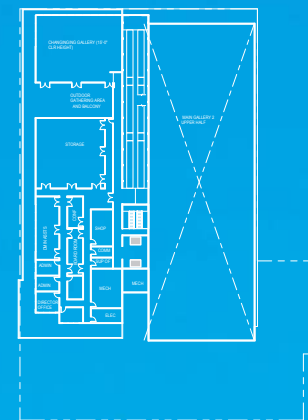
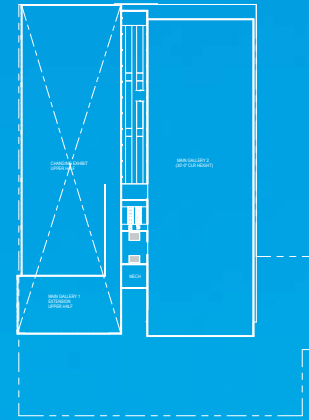
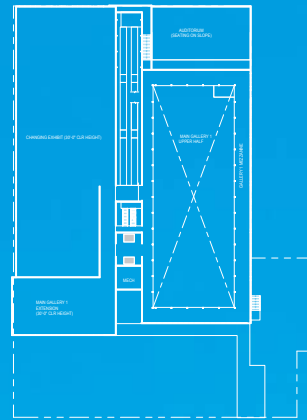
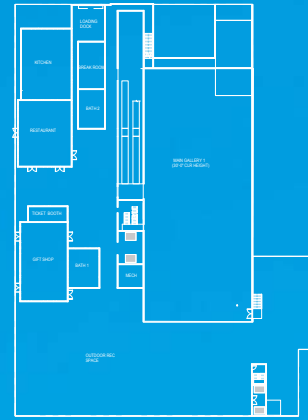
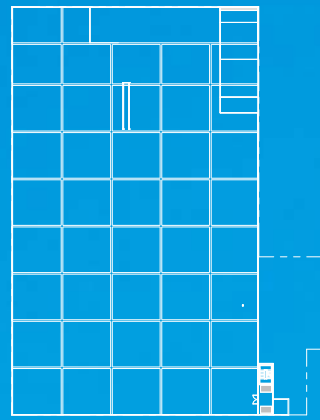
The museum's most exciting feature is the "floating ramp." Reminiscent of an alleyway, the ramp serves as the museum's main corridor for circulation. It hangs from the steel beams above via a series of exposed rods, and gives visitors the experience of traversing through the city hardscape and viewing the street art from multiple perspectives.

The interior of the museum gives the experience of a warehouse re-imagined. With towering steel columns and looming trusses exposed overhead, the vast nature of the structure is realized. The unfinished concrete walls match the exterior, hinting at the economy of industrial design while maintaining the truth of materials defined by the exterior. The transition from dark, artificially lit spaces on the lower level to bright, daylight spaces above allows for the art to be viewed as it would in its natural environment throughout the day.

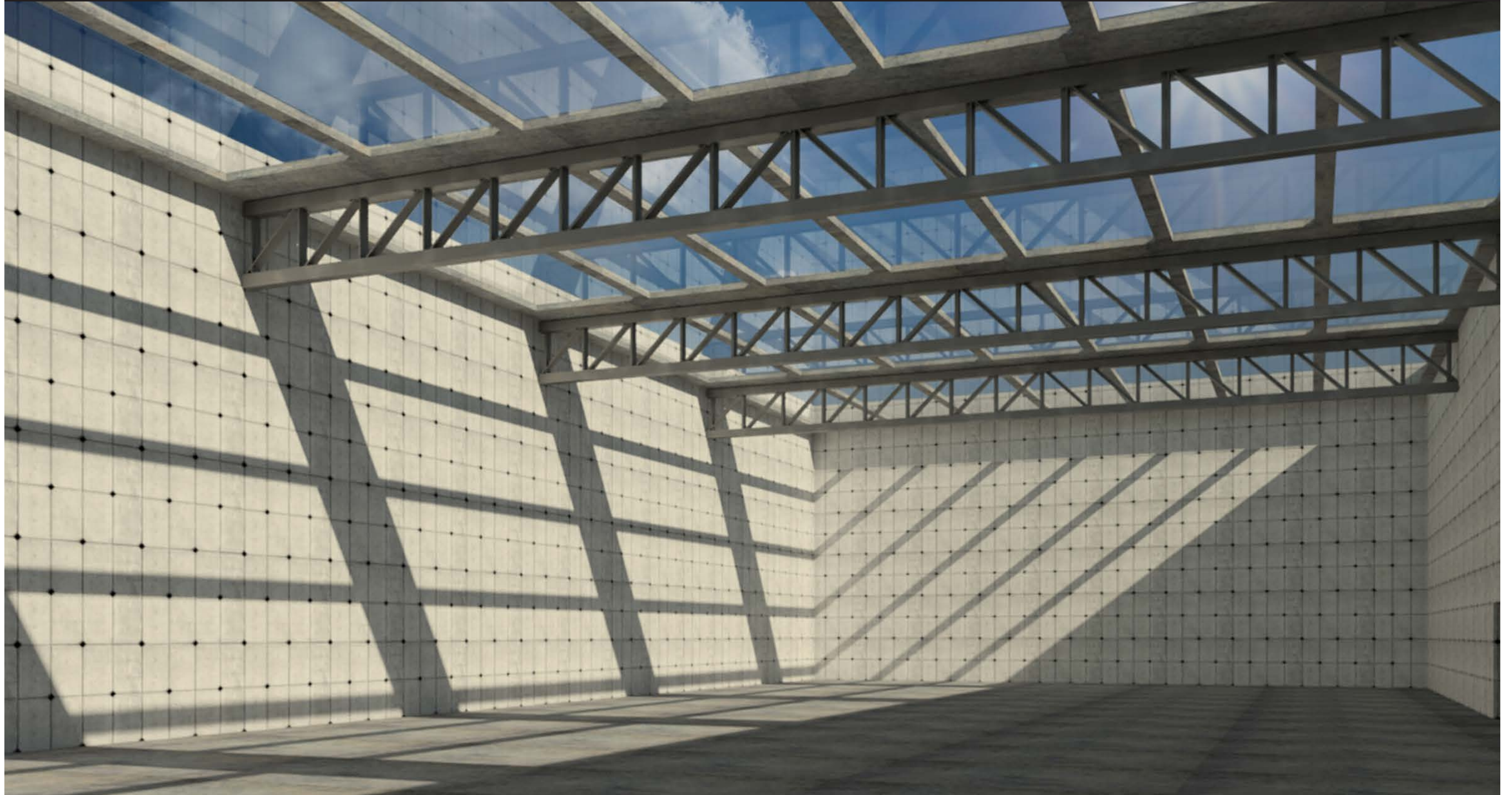


Final Boards

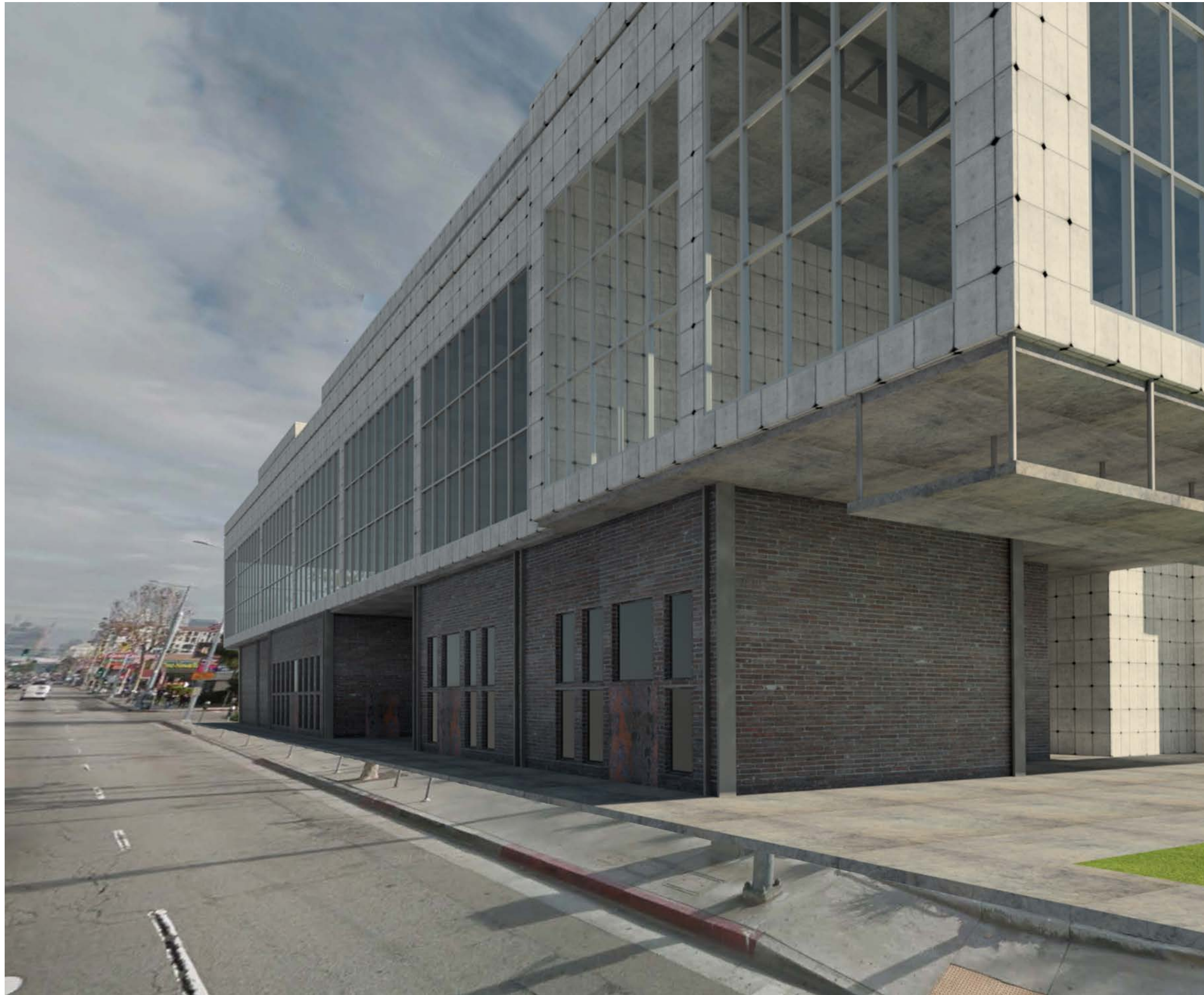


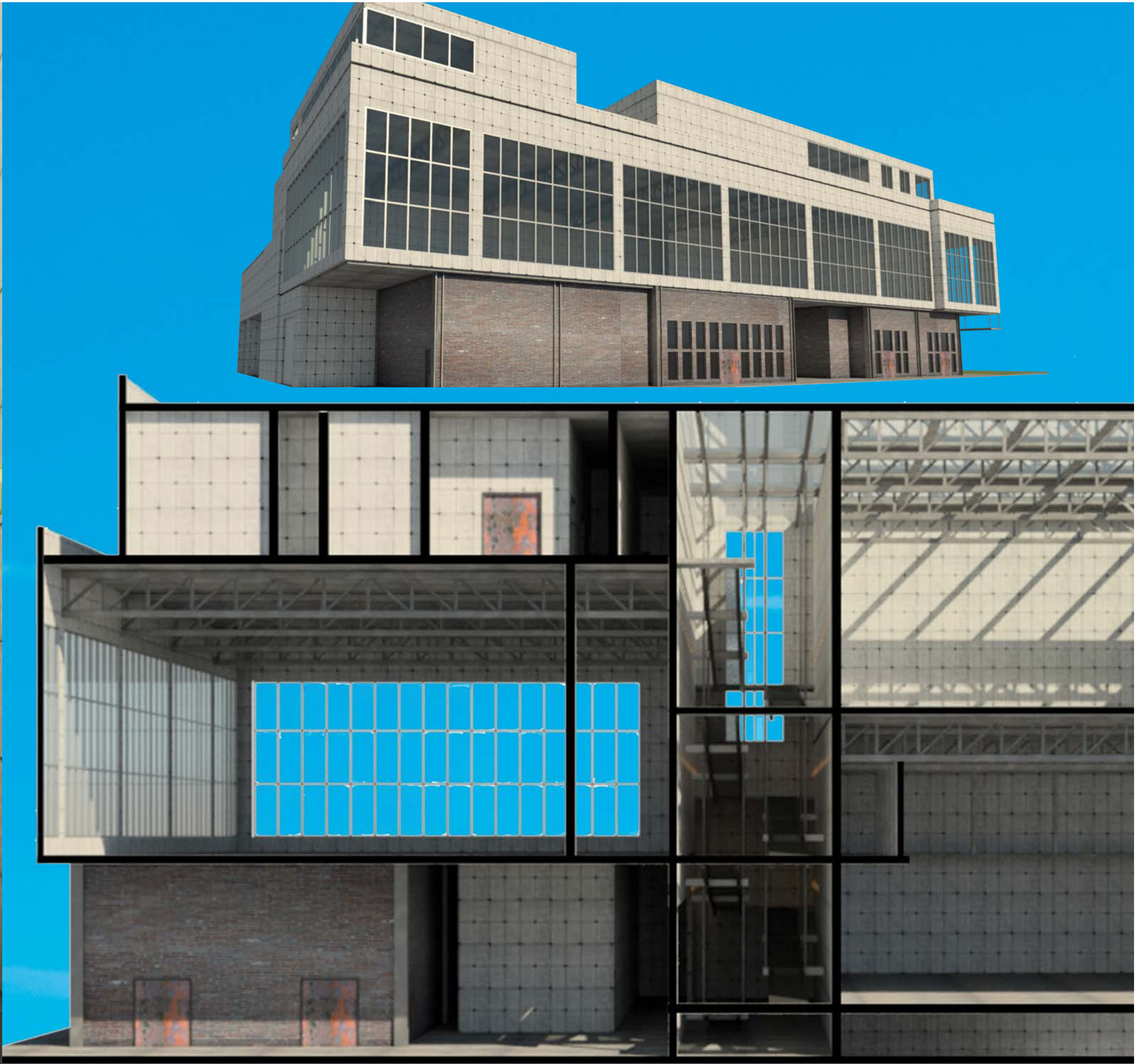
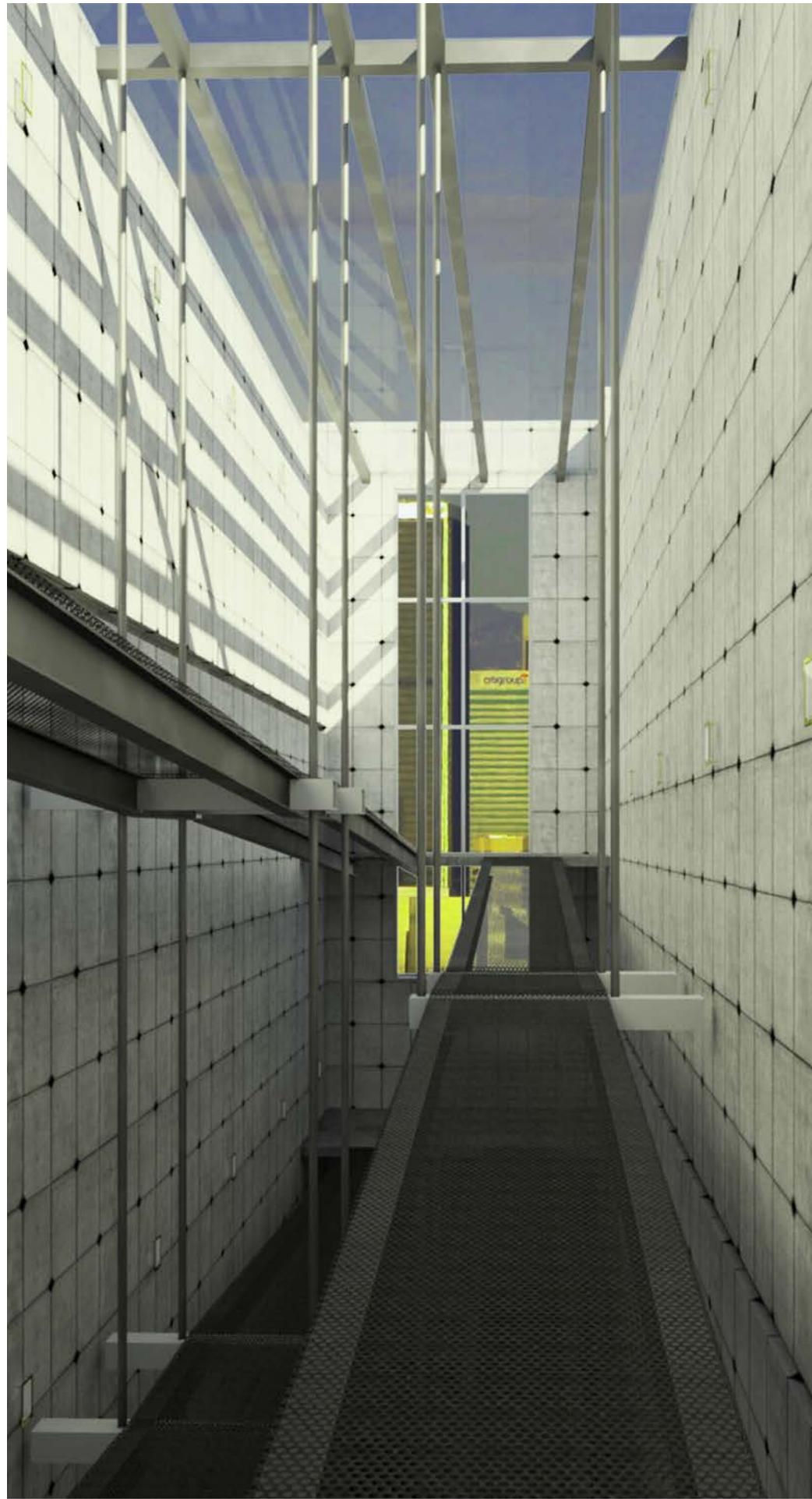


Renders

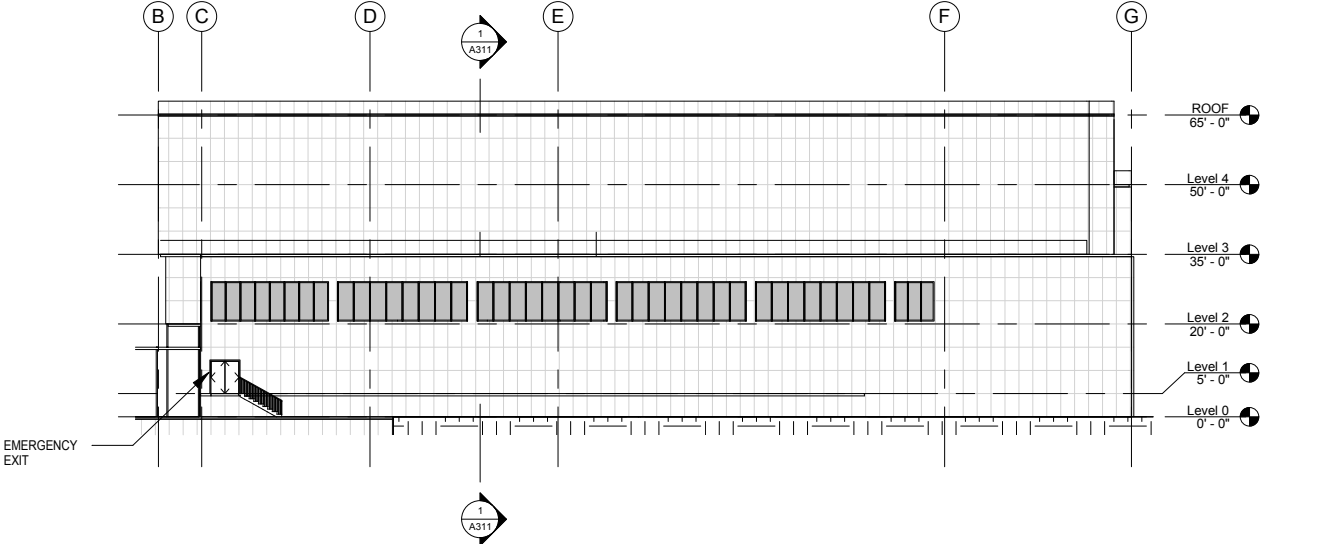




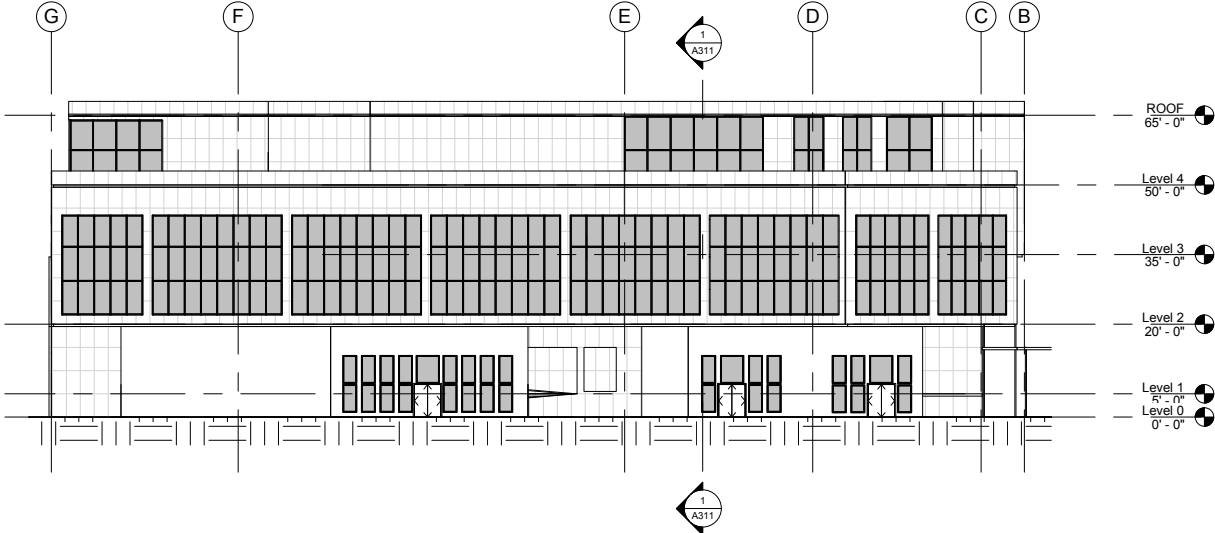




Sections and Elevations



① North Elevation
1/32" = 1'-0"



② South Elevation
1/32" = 1'-0"

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BRICK SQUAD

Elise Shea
Ryan Skelly
Hayden Brascia

LOS ANGELES MUSEUM OF STREET ART

ISSUED	02/27/17	

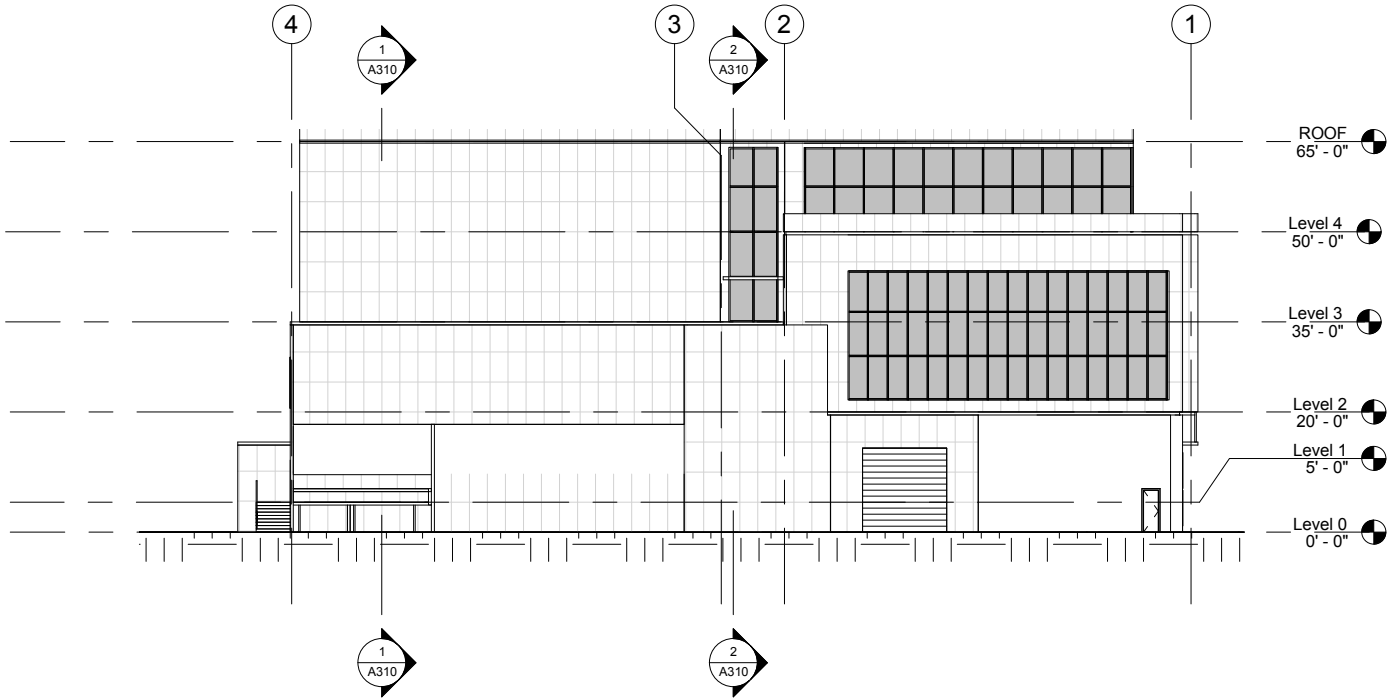
ELEVATIONS

SCALE	1/32" = 1'-0"	A300

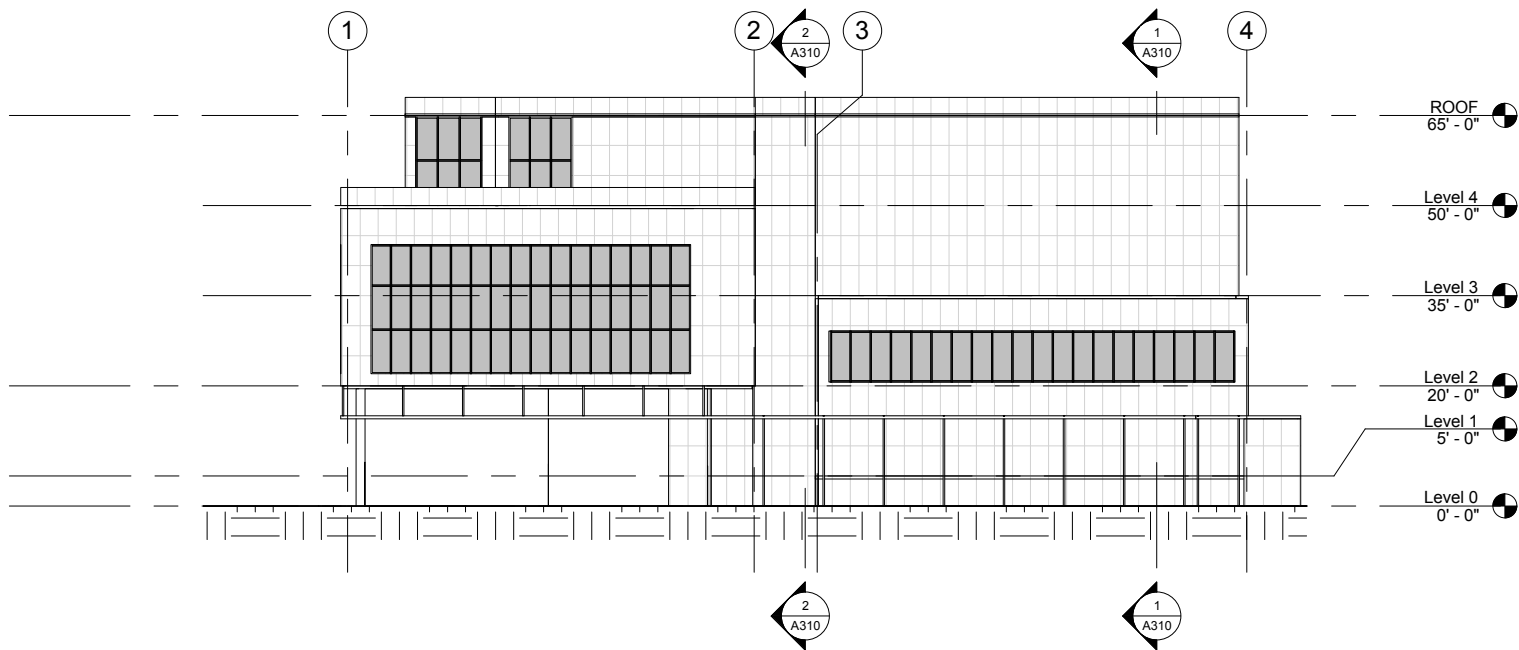
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LOS ANGELES MUSEUM OF STREET ART



1 East Elevation
1/32" = 1'-0"



2 West Elevation
1/32" = 1'-0"

ISSUED	02/27/17	

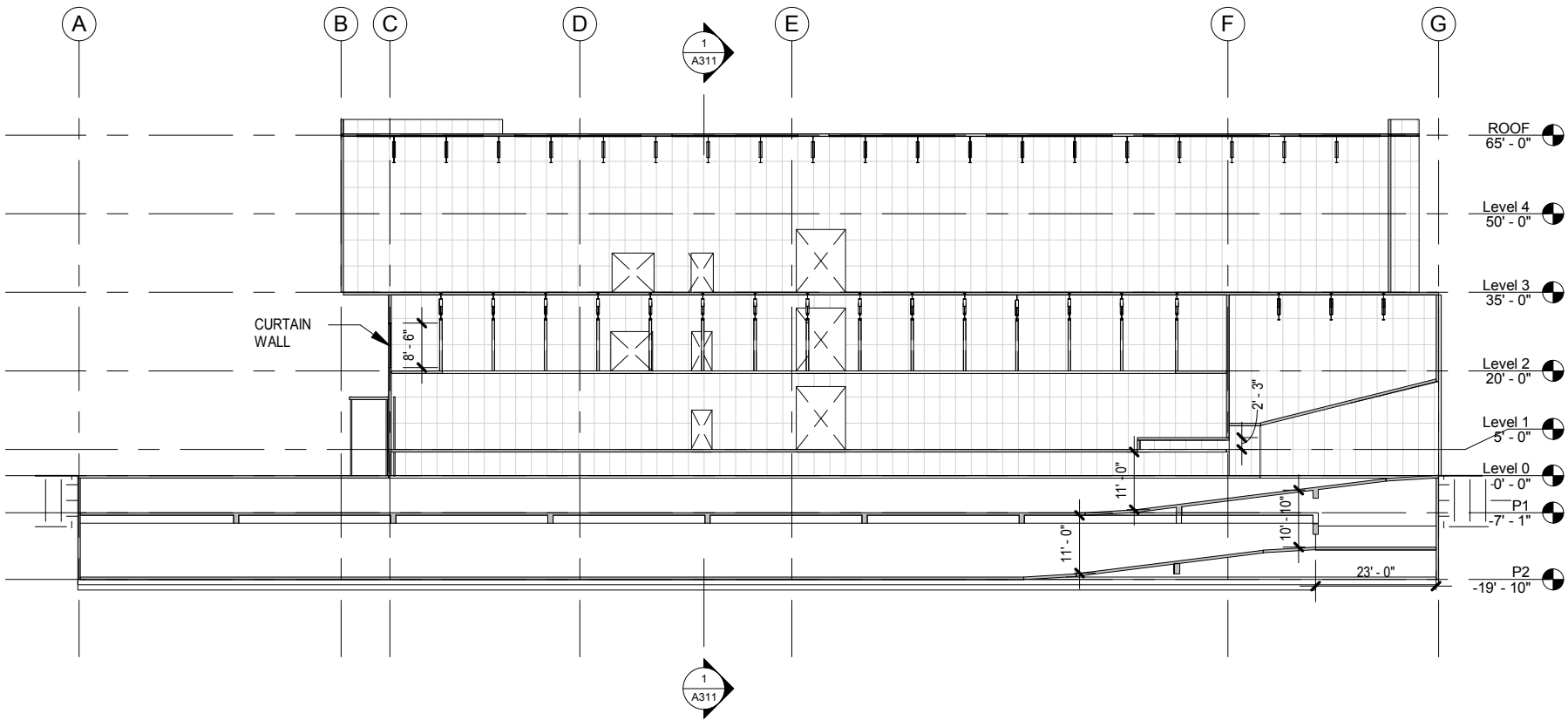
ELEVATIONS

SCALE	1/32" = 1'-0"	A301

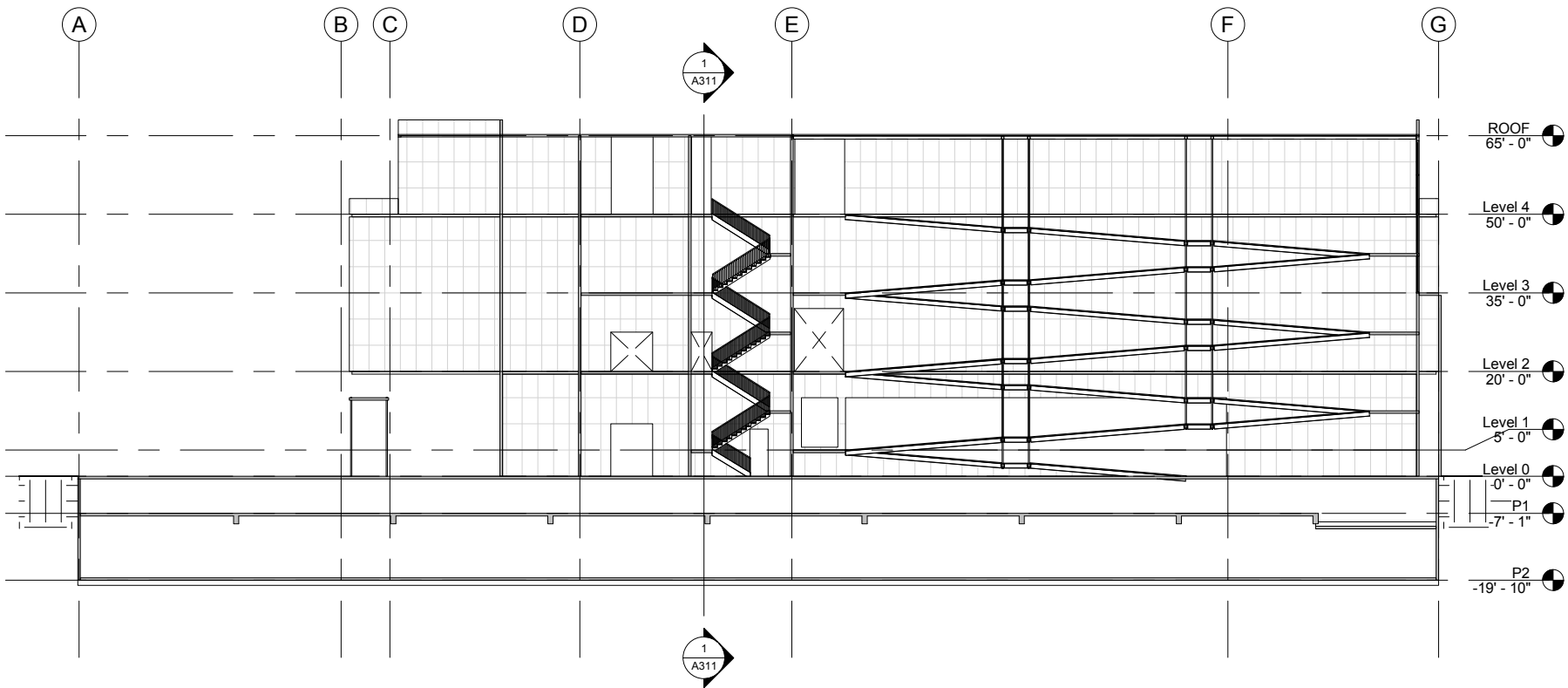
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LOS ANGELES MUSEUM OF STREET ART



1 SECTION
1/32" = 1'-0"



2 SECTION
1/32" = 1'-0"

ISSUED	02/27/17	

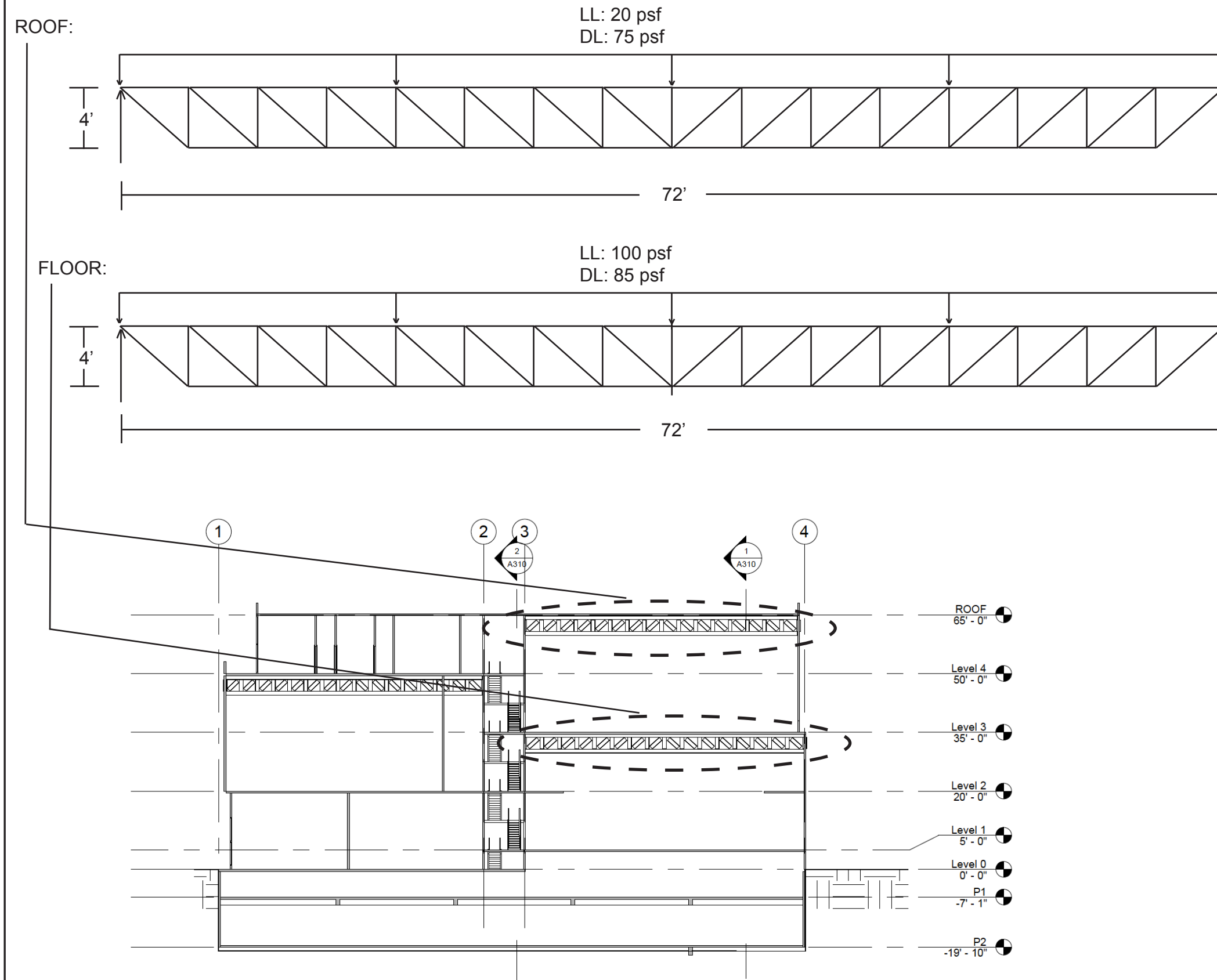
SECTIONS

SCALE	1/32" = 1'-0"	A310

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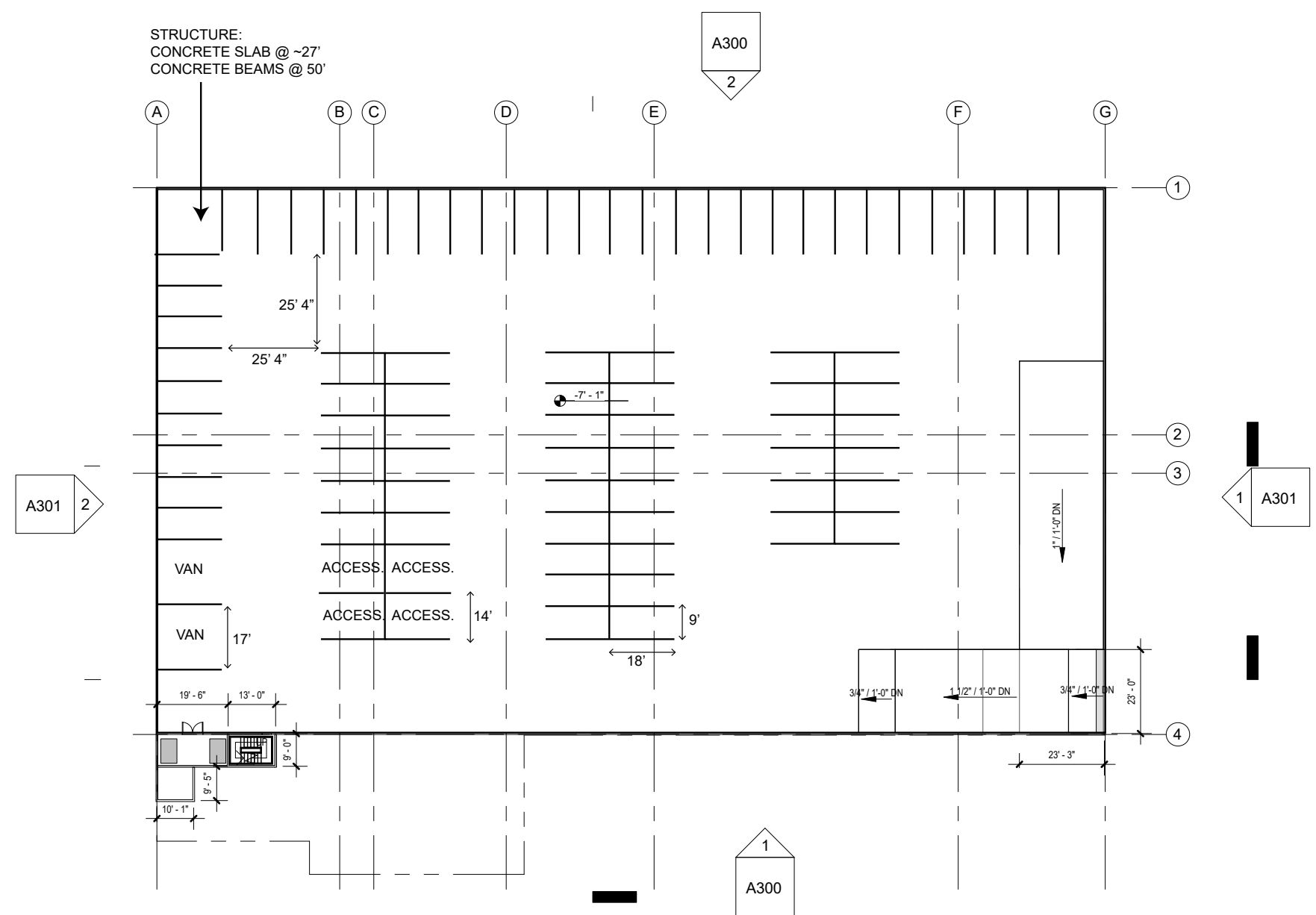
ISSUED	03/01/17	

SECTIONS

SCALE					A311

Floor Plans

STRUCTURE:
CONCRETE SLAB @ ~27"
CONCRETE BEAMS @ 50"



NOTES:
84 SPACES TOTAL
78 STANDARD 9'0"
4 ACCESSIBLE + 2 VAN ACCESSIBLE
MAY LOSE 3-5 SPOTS DUE TO COLUMNS

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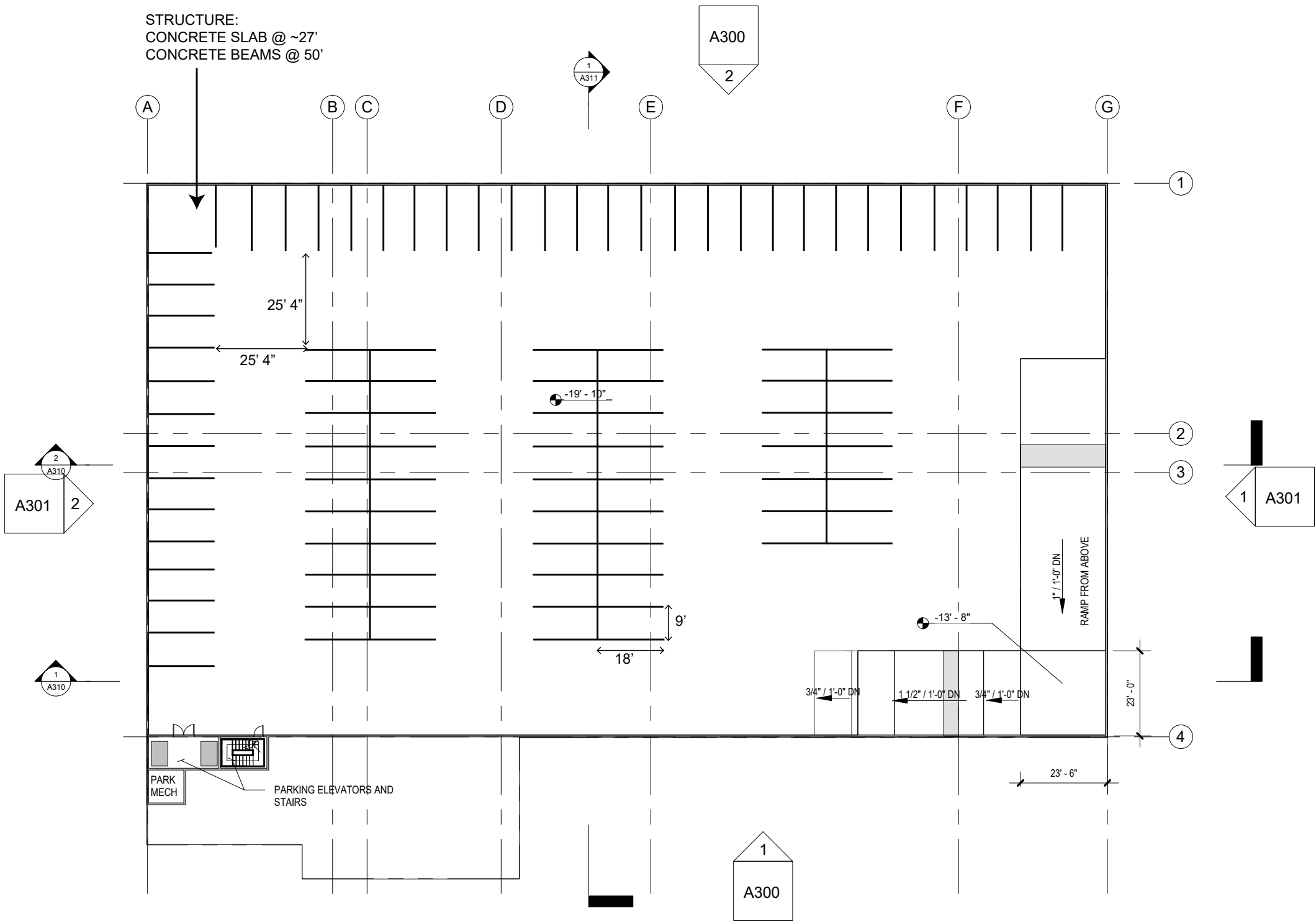
ISSUED	03/01/17	

PARKING LEVEL 1

SCALE	1/32" = 1'-0"	A201.1
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LOS ANGELES MUSEUM OF STREET ART



NOTES:
88 SPACES TOTAL
ALL STANDARD 9'0"
MAY LOSE 3-5 SPOTS DUE TO COLUMNS

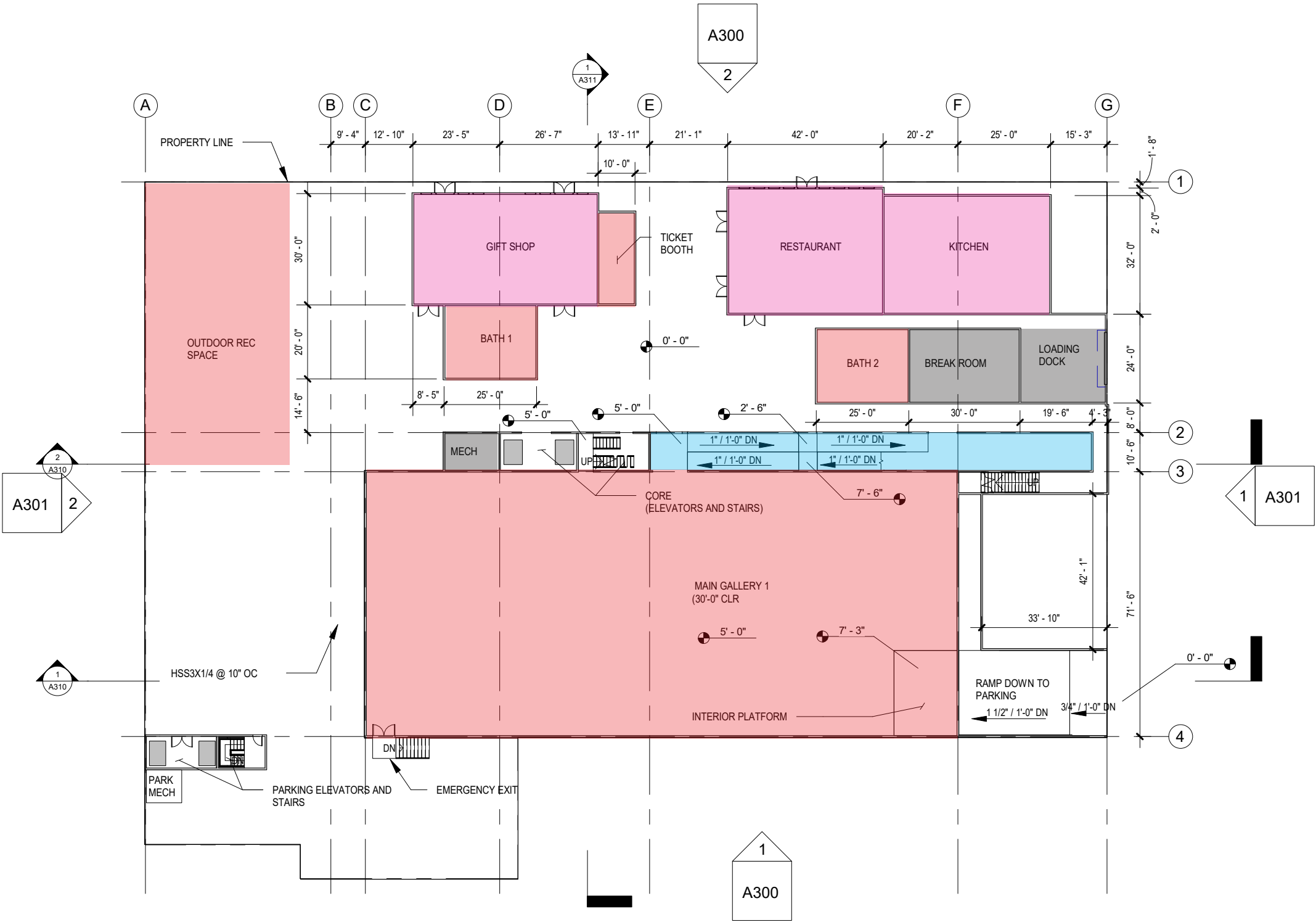
ISSUED	03/01/17	

PARKING LEVEL 2

SCALE	1/32" = 1'-0"	A201.2

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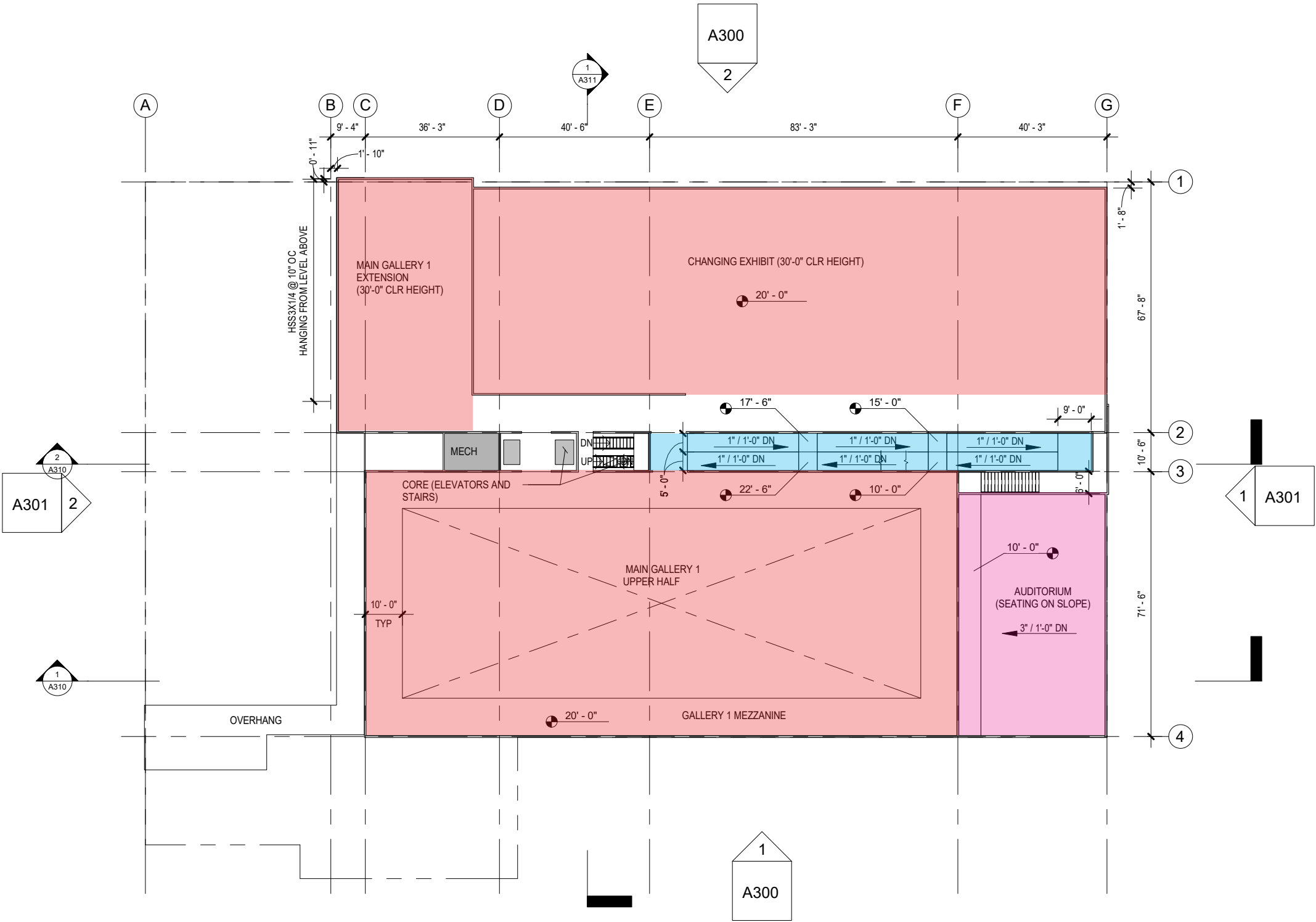
ISSUED	03/01/17	

LEVEL 0 PLAN

SCALE	1/32" = 1'-0"	A202

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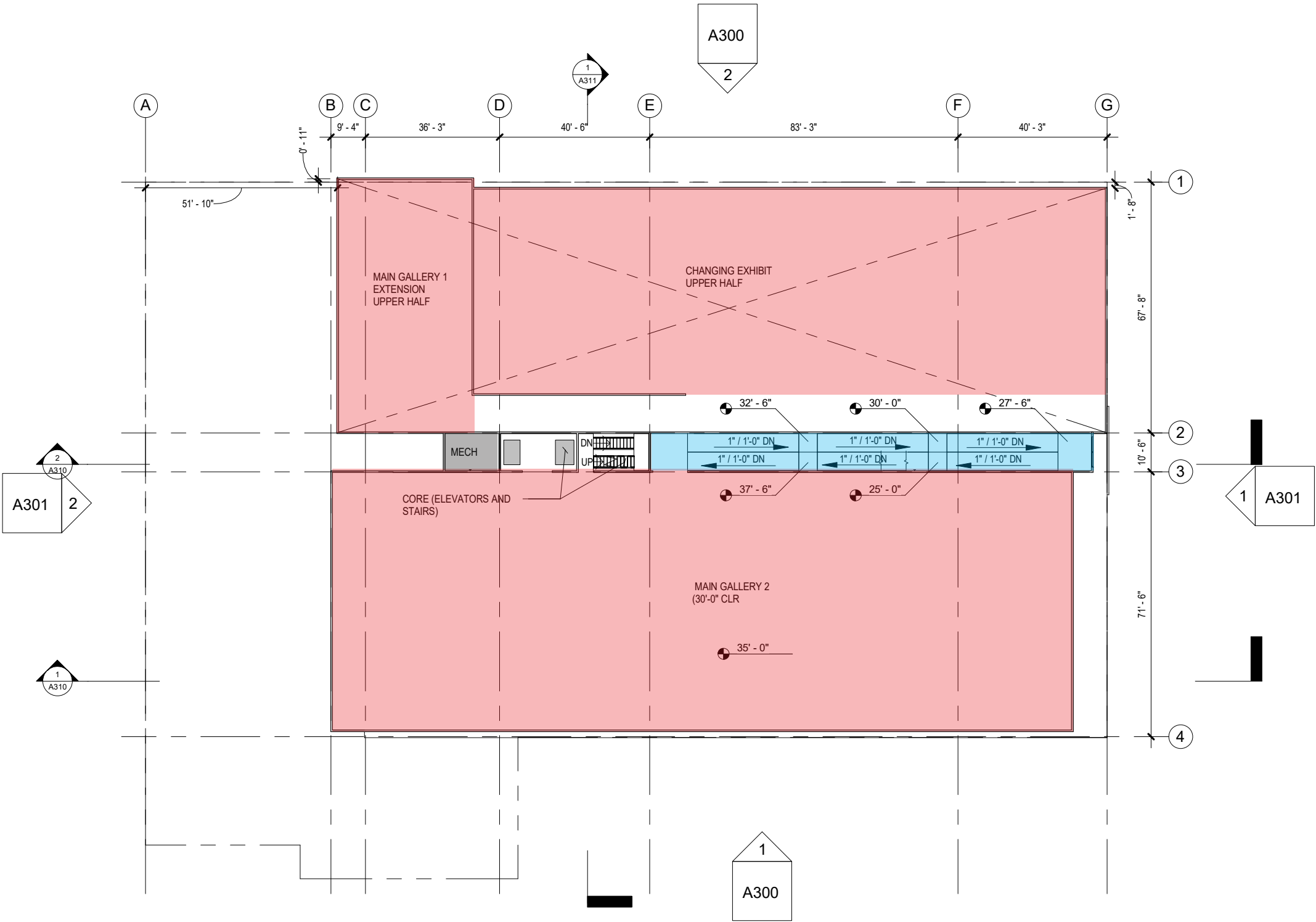
ISSUED	03/01/17	

LEVEL 2 PLAN

SCALE	1/32" = 1'-0"	A203

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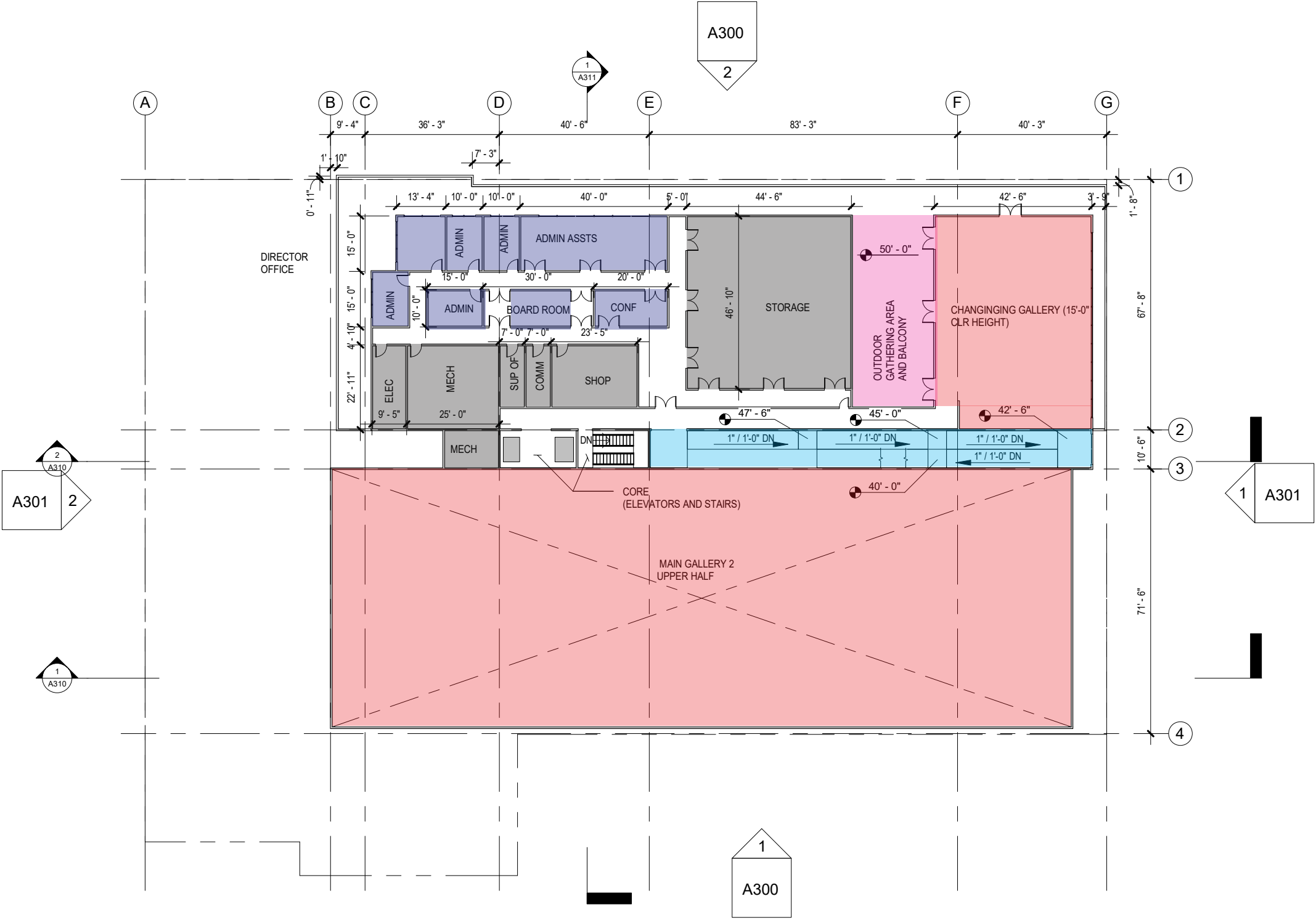
ISSUED	03/01/17	

LEVEL 3 PLAN

SCALE	1/32" = 1'-0"	A204

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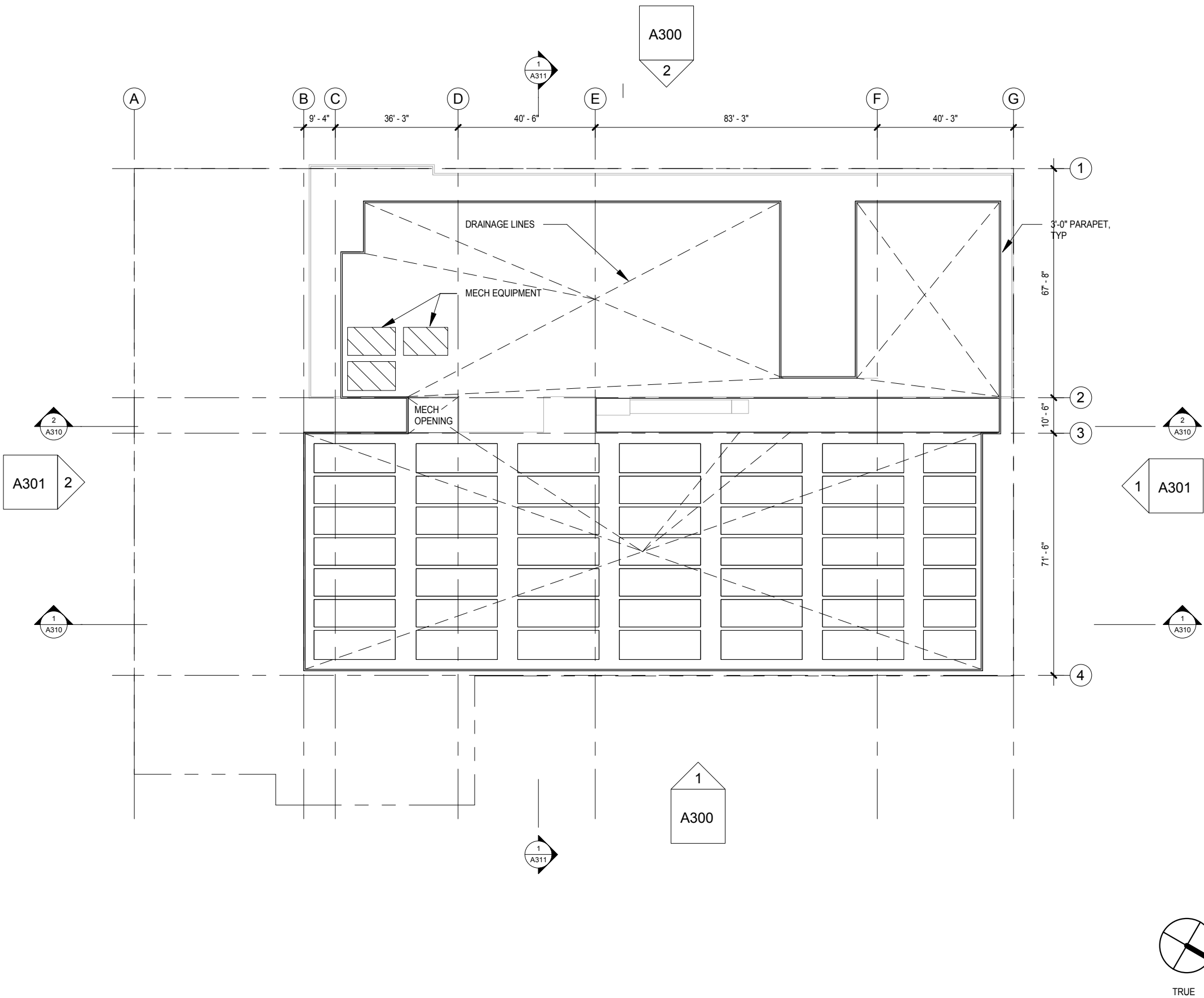
ISSUED	03/01/17	

LEVEL 4 PLAN

SCALE	1/32" = 1'-0"	A205

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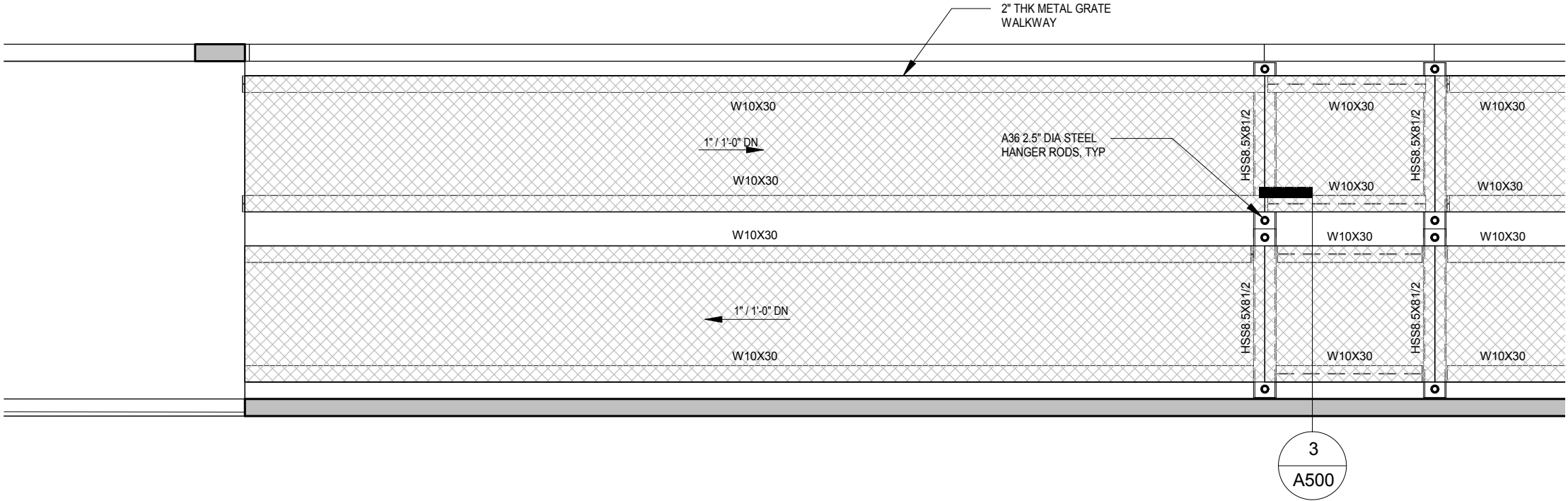
LOS ANGELES MUSEUM OF STREET ART



ISSUED	02/26/17	

ROOF

SCALE	1/32" = 1'-0"	A206



1

WALKWAY PARTIAL PLAN

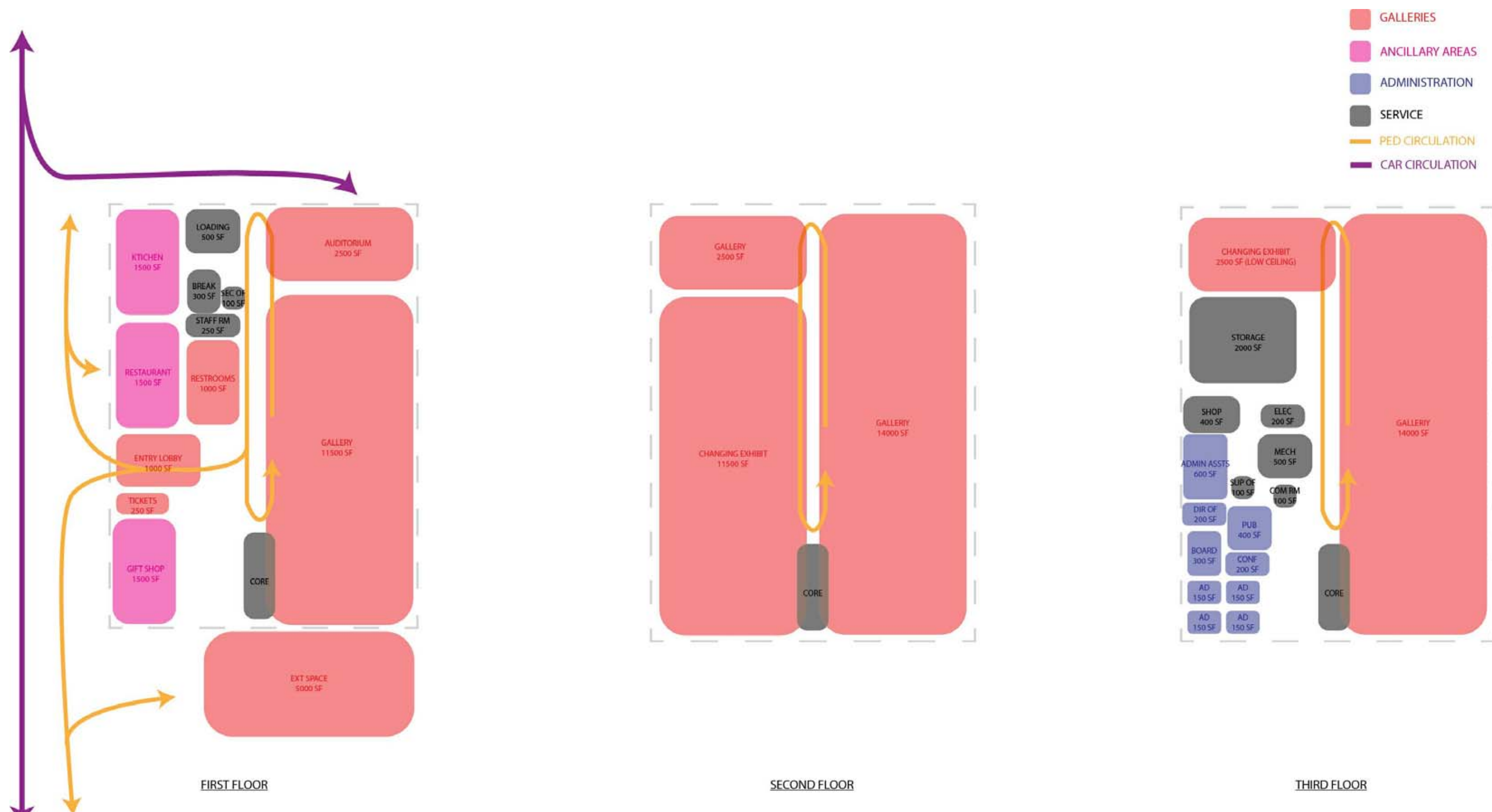
1/4" = 1'-0"

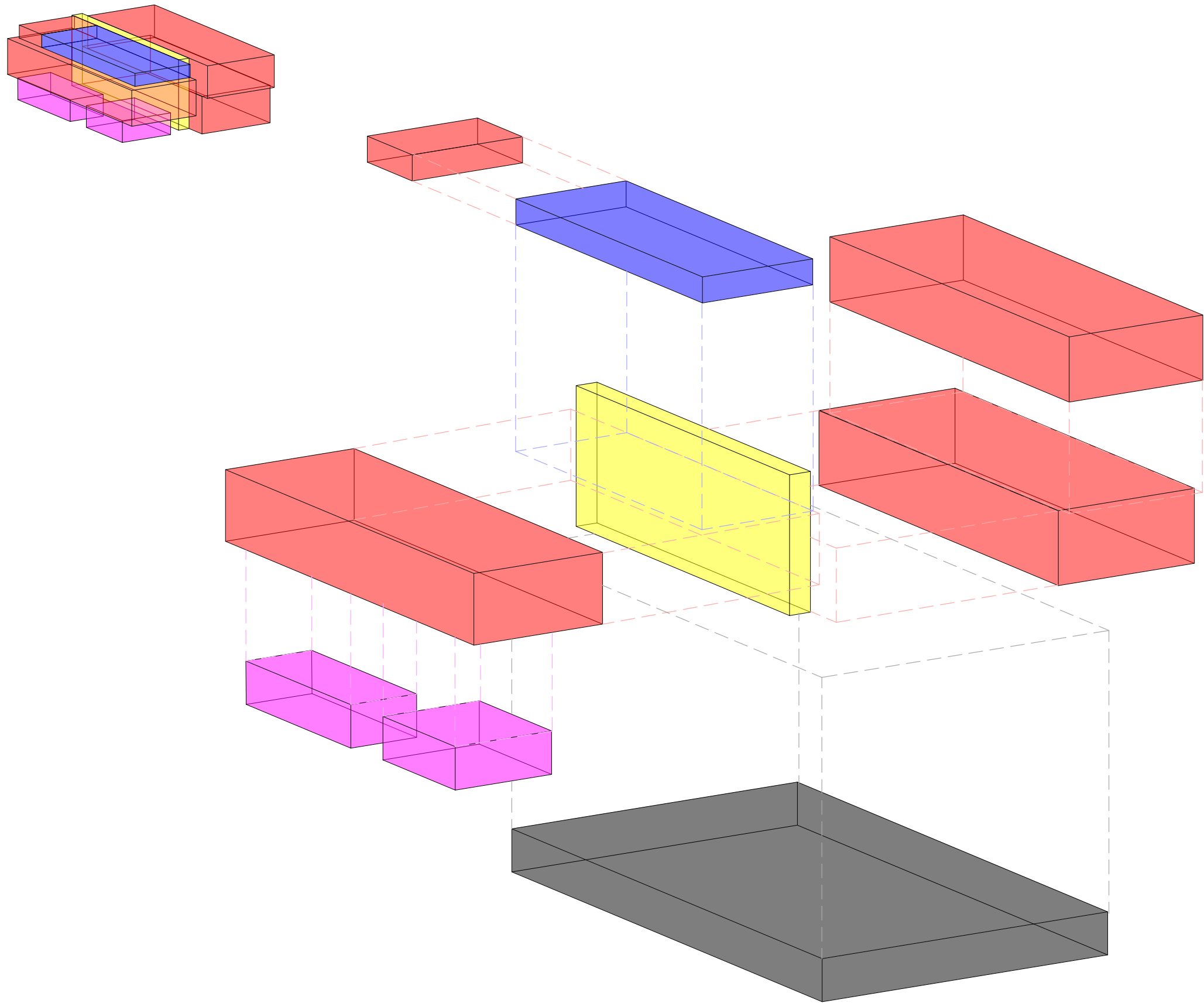
ISSUED	03/27/17	

PARTIAL PLANS

SCALE	1/4" = 1'-0"			A210

Design Development





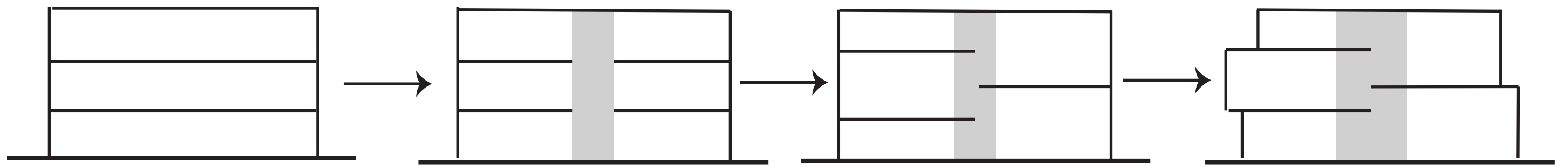
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LOS ANGELES MUSEUM OF STREET ART

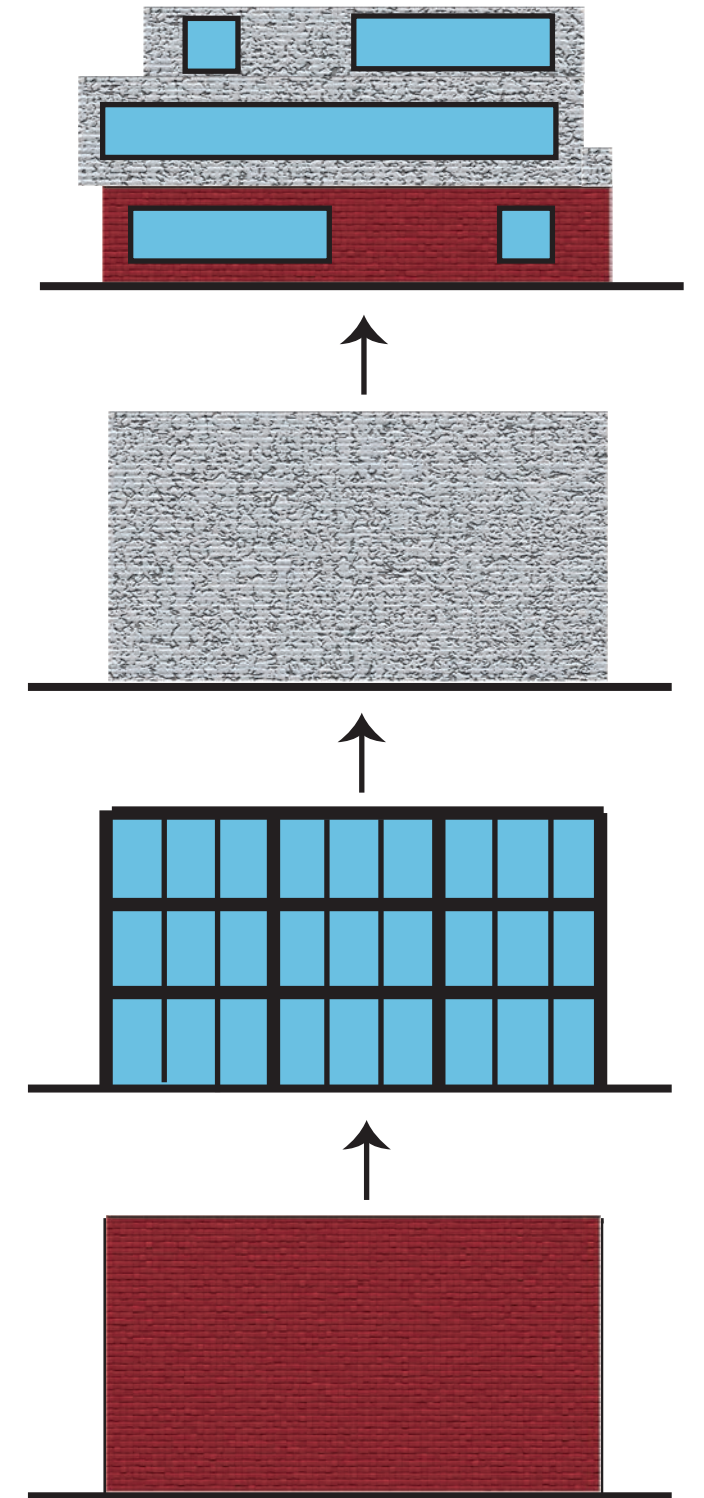
ISSUED	04/18/17	

CONCEPTUAL EXPLODED
MASS DIAGRAM

SCALE				A150



BRICK SQUAD - DESIGN DEVELOPMENT



Program and Code Analysis

ADJACENCIES & CRITERIA MATRIX									
	AREA (SQ. FT.)	NUMBER OF OCCUPANTS	PUBLIC ACCESS	DAYLIGHT OR VIEW	NOISE LEVEL	OPEN CIRCULATION	PLUMBING	COMMENTS	
	ENTRY LOBBY	1,000	M	H	M	H	Y	N	
	TICKET/INFO BOOTH	250	L	H	M	H	Y	N	IN ENTRY LOBBY
	COAT ROOM/RESTROOMS	1,000	L	M	N	M	N	Y	MAY SEPARATE
	PRIMARY GALLERY	28,000	H	H	L	M	Y	N	25' CEILING MINIMUM
	CHANGING EXHIBITS	14,000	H	H	L	M	Y	N	
	AUDITORIUM	2,500	H	M	N	M	Y	N	SEATS 250; STAGE ADJ. TO GARAGE
	PUBLIC GARDEN	5,000	M	H	H	M	Y	Y	FOUNTAIN POSSIBLE
	ADMINISTRATION AREAS	2,300	L	L	H	L	N	N	CONCEAL FROM PUBLIC
	SERVICE AREAS	4,450	L	N	L	L	N	N	CONCEAL FROM PUBLIC
	RESTAURANT	1,500	M	H	M	H	N	N	SEATS 150
	KITCHEN	1,500	L	N	L	H	N	Y	REQUIRES LOADING AREA
	MUSEUM STORE	1,500	M	H	L	H	N	N	

● IMMEDIATE

○ PROXIMATE

□ CONVENIENT

× SEPARATE

INSIGNIFICANT

HIGH (H) OR YES (Y)

MODERATE (M)

LOW (L)

NONE OR NO (N)

Construction Type and Fire Separation Distance (FSD)

Type IIA
3 stories
65' height max
Use intumescent paint for Steel Beams (Fireproofing)
FSD: > 30'
***Use Sprinklers

BRICK SQUAD

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LOS ANGELES MUSEUM OF STREET ART

TABLE 504.4a, b, n
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	TYPE OF CONSTRUCTION									
	SEE FOOTNOTES	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
A-1	NS	UL	5	3	2	3	2	3	2	1
	S (without area increase)	UL	6	4	3	4	3	4	3	2
	S (with area increase)	UL	5	3	2	3	2	3	2	1
A-2	NS	UL	11	3	2	3	2	3	2	1
	S (without area increase)	UL	12	4	3	4	3	4	3	2
	S (with area increase)	UL	11	3	2	3	2	3	2	1
A-3	NS	UL	11	3	2	3	2	3	2	1
	S (without area increase)	UL	12	4	3	4	3	4	3	2
	S (with area increase)	UL	11	3	2	3	2	3	2	1

TABLE 504.3a, i
ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	TYPE OF CONSTRUCTION									
	SEE FOOTNOTES	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
B, F, M, S, U	NS ^b	UL	160	65	55	65	55	65	50	40
	S	UL	180	85	75	85	75	85	70	60
A, E	NS ^b	UL	160	65	55	65	55	65	50	40
	S (without area increase)	UL	180	85	75	85	75	85	70	60
	S (with area increase)	UL	160	65	55	65	55	65	50	40

TABLE 602
FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE^{a, d, g}

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H ^a , L	OCCUPANCY GROUP F-1, M, S-1 ^f	OCCUPANCY GROUP A, B, E, F-2, I, R ^b , S-2, U ^b
X < 5 ^b	All	3	2	1
5 ≤ X < 10	IA	3	2	1
	Others	2	1	1
10 ≤ X < 30	IA, IB	2	1	1 ^c
	IIB, VB	1	0	0
	Others	1	1	1 ^c
X ≥ 30	All	0	0	0

TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A	B	A	B	HT	A ^d	B
Primary structural frame ^f (see Section 202)	3 ^a	2 ^a	1	0	1	0	HT	1	0
Bearing walls									
Exterior ^{c, f}	3	2	1	0	2	2	2	1	0
Interior	3 ^a	2 ^a	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions					See Table 602				
Exterior									
Nonbearing walls and partitions									
Interior ^d	0	0	0	0	0	0	See Section 602.4.6	0	0
Floor construction and associated secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0
Roof construction and associated secondary members (see Section 202)	1 1/2 ^b	1 ^{b, c}	1 ^{b, c}	0 ^c	1 ^{b, c}	0	HT	1 ^{b, c}	0

ISSUED	03/01/17	

BUILDING CODE ANALYSIS

SCALE		A144

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Hayden Brascia

LOS ANGELES MUSEUM OF STREET ART

Code Analysis							Code Analysis						
Space Breakdown	Use	Areas	Notes	Occupancy Group	Allowable Area (w/o area and height increase), Type IIA construction	Location (Floor No.)	Space Breakdown	Use	Areas	Notes	Occupancy Group	Allowable Area (w/o area and height increase), Type IIA construction	Location (Floor No.)
Gallery Spaces							Service						
	Entry Lobby	1,000 sf		A3	46,500 sf	1		Loading Area	500 sf		N/A		1
	Ticket Sales/ Info Booth	250 sf		M	64,500 sf	1		Superintendent office	100 sf		B	112,500 sf	3
	Coat Room/ Restrooms	1,000 sf		S1	78,000 sf	1		Security office	100 sf		B	112,500 sf	3
	Primary Galleries	28,000 sf	MIN CLR: 25'-30' Column Free	A3	46,500 sf	1,2		Breakroom/ locker area	300 sf		B	112,500 sf	3
	Changing Exhibits	14,000 sf	Column Free	A3	46,500 sf	2		Staff Restrooms	250 sf		B	112,500 sf	3
	Auditorium	2,500 sf	250 seats	A1	46,500 sf	1		Workshop	400 sf		F1	75,000 sf	1
	Public Ext. Space/Garden	5,000 sf	highlight site and context	N/A		1		Storage	2000 sf		S1	78,000 sf	1
	Subtotal Area:	51,750 sf	Add 25% for MEP, circulation, struct.					Electrical Room	200 sf		S2	117,000 sf	3
	Total Area:	64,687 sf	Add: 12,937 sf					Mechanical Room	500 sf		S2	117,000 sf	3
								Communications Room	100 sf		S2	117,000 sf	3
								Subtotal Area:	4,450 sf	Add 25% for MEP, circulation, struct.			
								Total Area:	5,563 sf	Add: 1,113 sf			
Administration							Ancillary Areas						
	Directors Office	200 sf		B	112,500 sf	3		Restaurant	1,500 sf	150 seats	A2	46,500 sf	1
	4 Assistant Directors office	600 sf		B	112,500 sf	3		Kitchen	1,500 sf		A2	46,500 sf	1
	Admin Assistants	600 sf		B	112,500 sf	3		Gift Shop	1,500 sf		M	64,500 sf	1
	Conference Room	200 sf		B	112,500 sf	3		Subtotal Area:	4,500 sf	Add 25% for MEP, circulation, struct.			
	Board Room	300 sf		B	112,500 sf	3		Total Area:	5,625 sf	Add: 1,125 sf			
	Publicity	400 sf		B	112,500 sf	3							
	Subtotal Area:	2,300 sf	Add 25% for MEP, circulation, struct.										
	Total Area:	2,875 sf	Add: 575 sf				TOTALS						
								TOTAL PROGRAM	63,000 sf		A3		
								OVERALL TOTAL	78,750 sf	Add: 15,750 sf			
							Parking						
								Double+Single Loaded	78,500 sf	Accessible spaces	S2	Unlimited	B1,B2
								Note: Type 1A					
								Note: 3hr fire resistance					

ISSUED	03/01/17	

SCALE		A145

BRICK SQUAD

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LOS ANGELES MUSEUM OF STREET ART

Area Per Floor				
Floor 1				
	Occupancy Group	Actual Area	Allowable Area	Ratio
	A3	18,750 sf	46,500 sf	0.403
	M	2,188 sf	64,500 sf	0.034
	S1	3,750 sf	78,000 sf	0.048
	A1	3,125 sf	46,500 sf	0.067
	F1	500 sf	75,000 sf	0.007
	A2	3,750 sf	46,500 sf	0.081
	Total			0.64
Floor 2				
	Occupancy Group	Actual Area	Allowable Area	
	A3	35,000 sf	46,500 sf	0.753
	Total			0.753
Floor 3				
	Occupancy Group	Actual Area	Allowable Area	
	B	3,813 sf	112,500 sf	0.034
	S2	1,000 sf	117,000 sf	0.009
	Total			0.043

Note: Excludes Loading Dock, and Public Exterior Space

Total Building Area	
Floor	Ratio
1	0.64
2	0.753
3	0.043
Total	1.436

ISSUED	03/01/17	

BUILDING CODE ANALYSIS

SCALE				A146

3D Views and Details



① 3D VIEW



② 3D VIEW

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LOS ANGELES MUSEUM OF STREET ART

ISSUED	02/27/17	

3D VIEWS

SCALE		A400

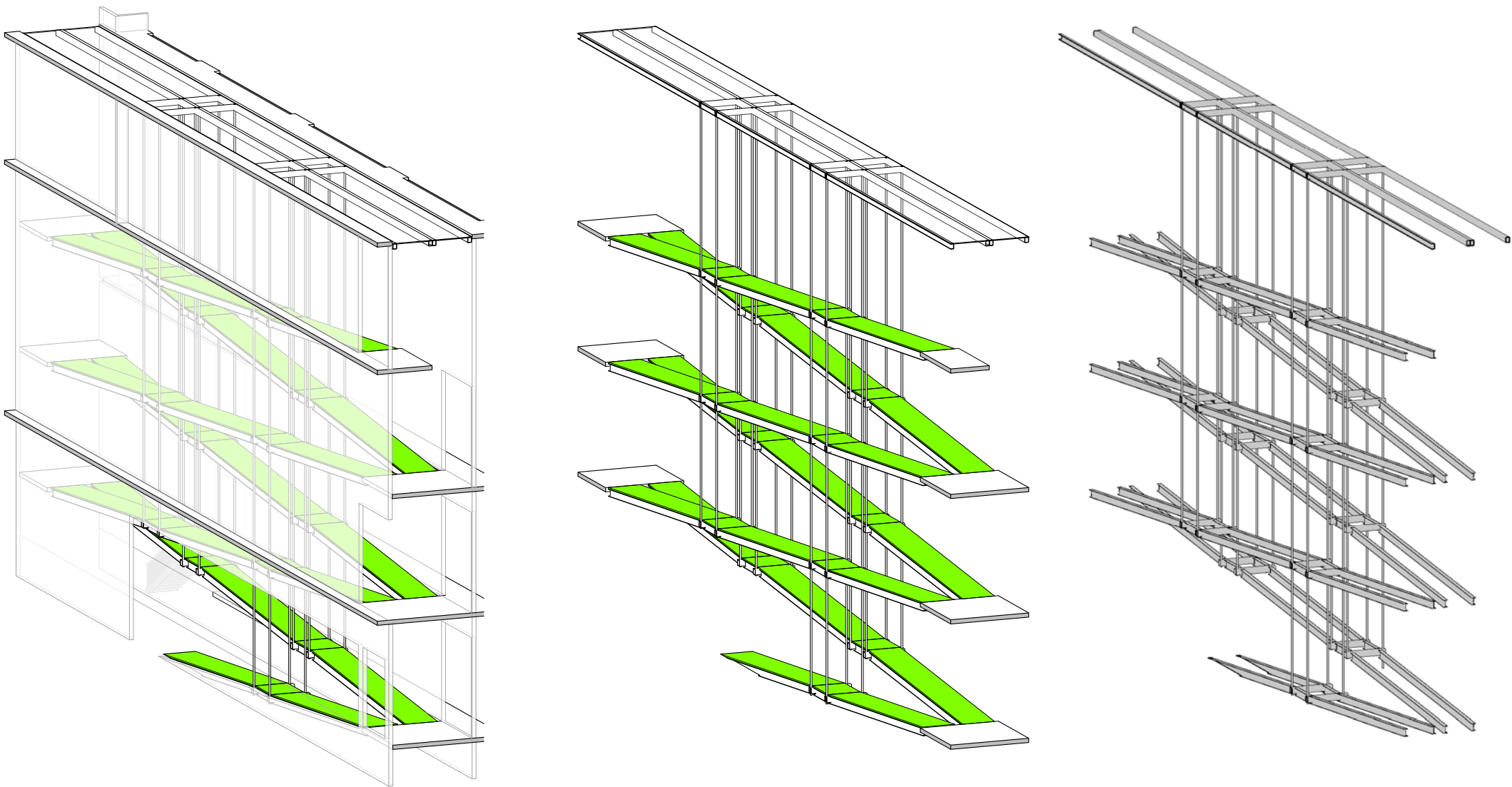
BRICK SQUAD

Elise Shea

Ryan Skelly

Hayden Brascia

LOS ANGELES MUSEUM OF STREET ART



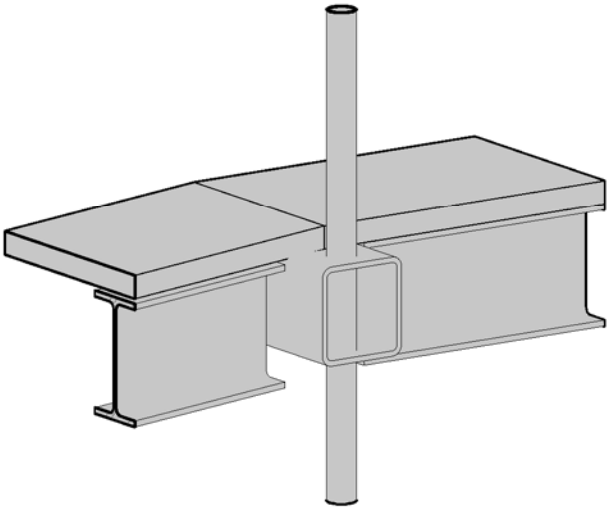
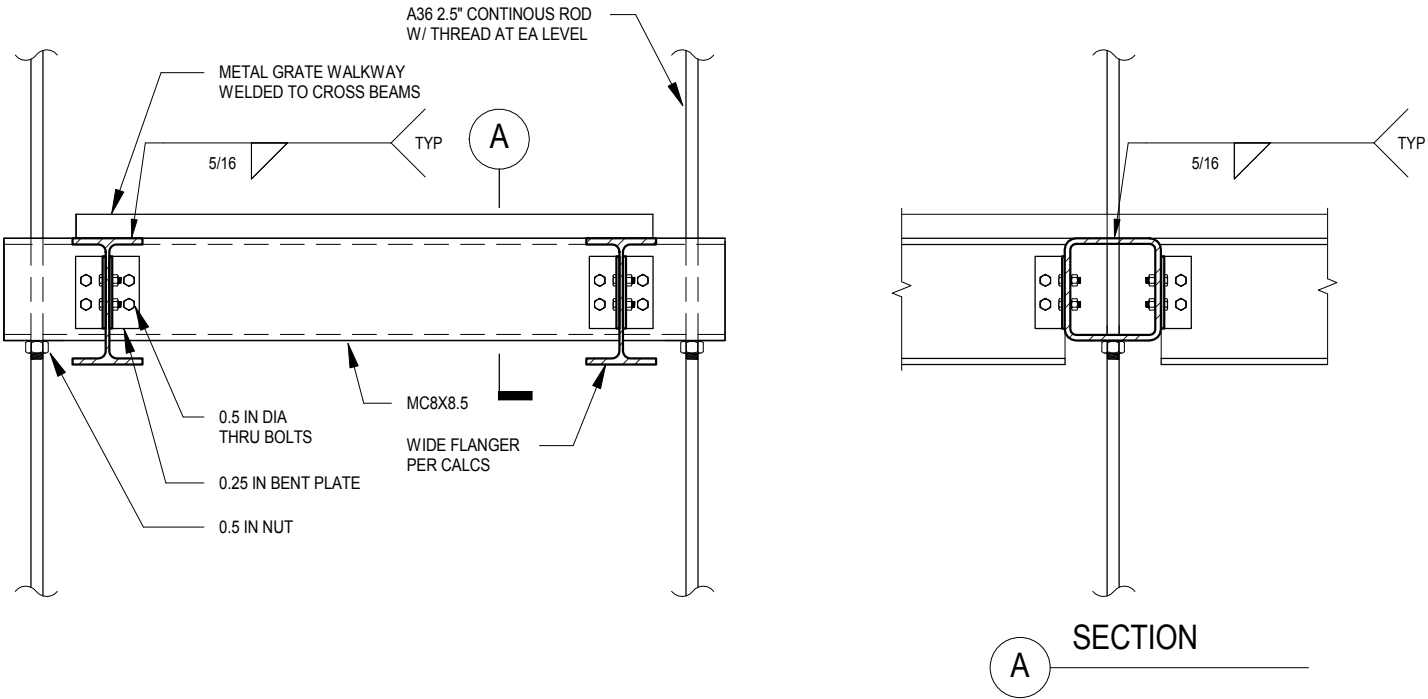
ISSUED	02/27/17	

3D VIEW - RAMP

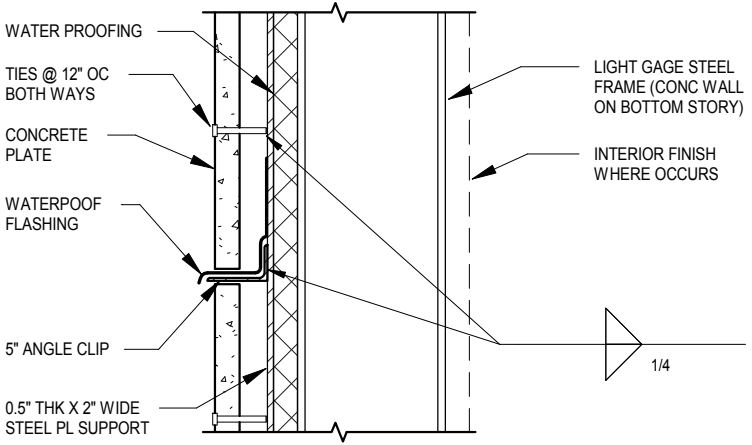
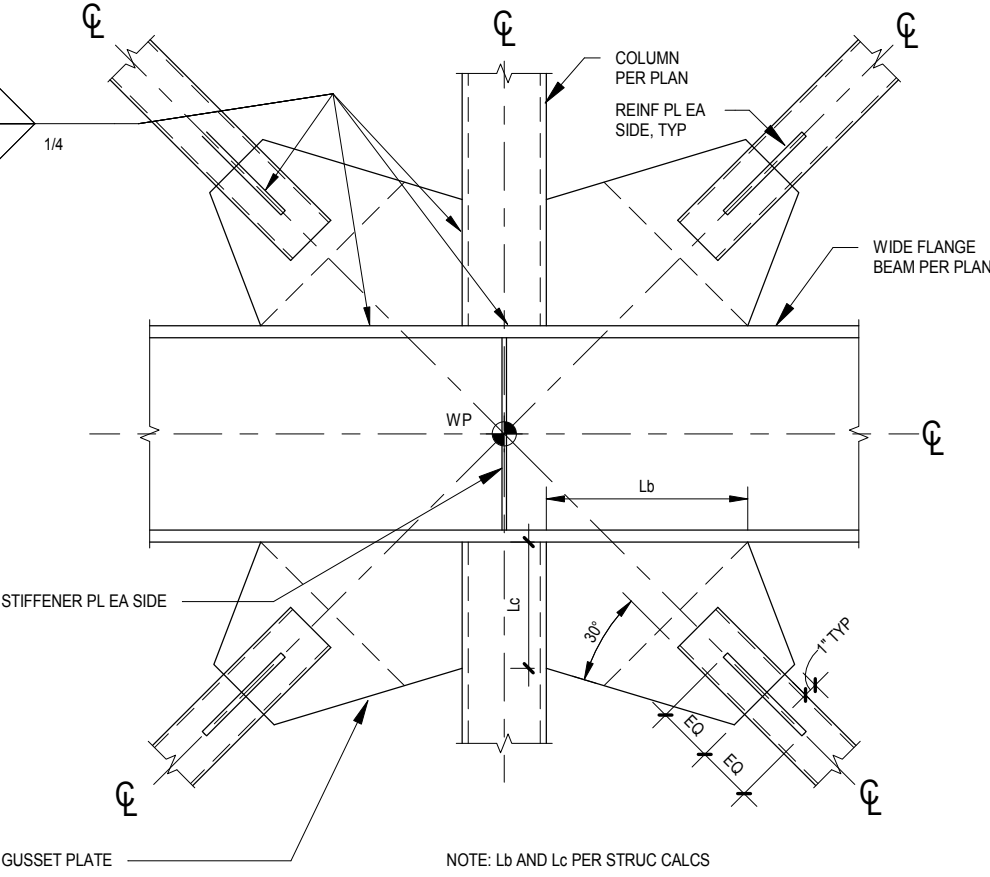
SCALE		A401

Elise Shea
Ryan Skelly
Hayden Brascia

LOS ANGELES MUSEUM OF STREET ART



3 WALKWAY HANGER CONNNECTION
3/4" = 1'-0"



4 CROSS BRACE FRAME CONNECTION
3/4" = 1'-0"

2 BRICK CONNECTION TO EXT WALL
3/4" = 1'-0"

ISSUED	04/05/17	

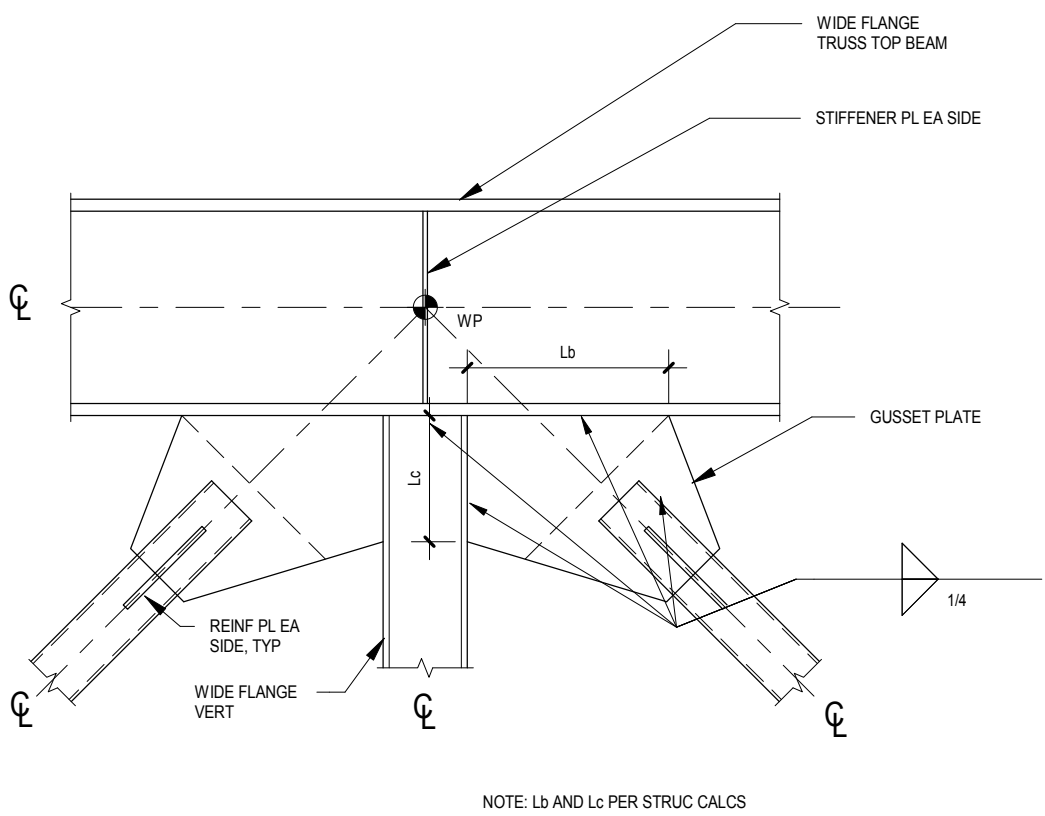
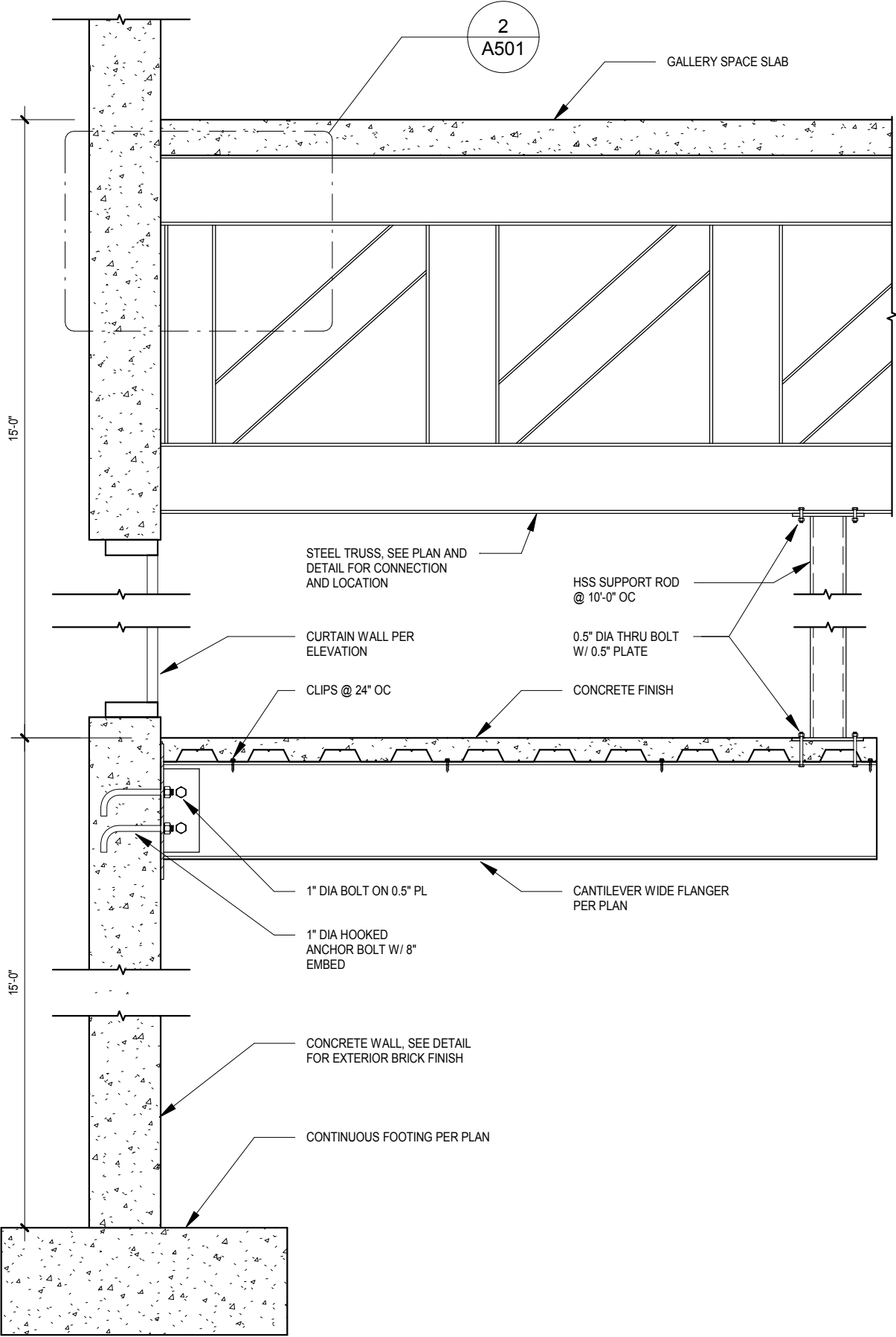
PROJECT SPECIFIC
DETAILS

SCALE	3/4" = 1'-0"	A500

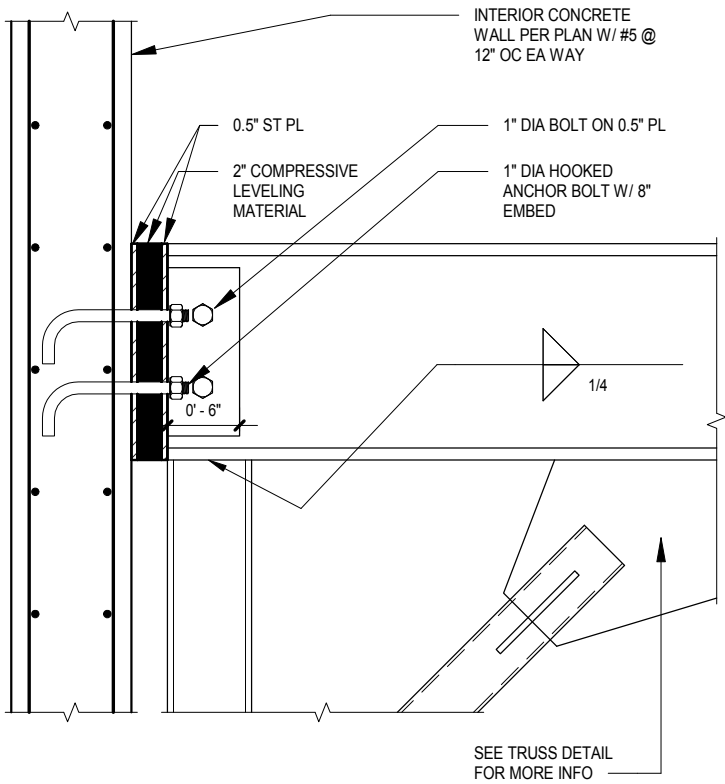
BRICK SQUAD

Elise Shea
Ryan Skelly
Hayden Brascia

LOS ANGELES MUSEUM OF STREET ART



1 TRUSS CONNECTION AT TRUSS CENTER
3/4" = 1'-0"



2 TRUSS TO WALL CONNECTION
3/4" = 1'-0"

4 TRUSS TO MEZZANINE CONNECTION
1/2" = 1'-0"

ISSUED	04/05/17	

PROJECT SPECIFIC
DETAILS

SCALE	As indicated	A501

Museum Case Study



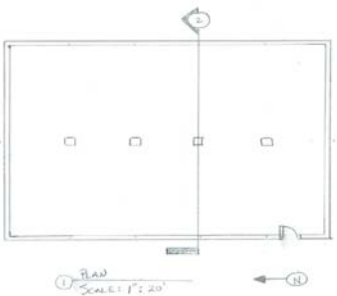
PHOTOGRAPH OF EXTERIOR BY RYAN SKELLY (TAKEN JANUARY 24, 2017)

A+D Architecture and Design Museum

At first glance, Los Angeles's A+D Architecture and Design Museum does not appear as a museum at all: rather, a rugged, painted warehouse that was clearly not designed by renowned architects and engineers. However, once you enter the warehouse, a large, open expanse of space greets the visitor, with the exception of a few non-permanent partial height partition walls and a non-permanent reception desk and office area located near the entrance.

The structure of the warehouse itself reminds the visitor of a rustic type of construction, as the exposed wooden beams and trusses paired with brick walls evokes feelings of an older and less modern Los Angeles. The roof of the building is held up by a series of curved glue laminated beams that act as trusses and span from one brick wall to columns that are located in the center of the warehouse, with the same pattern repeated from the center columns to the other brick wall. The roof also has a unique shape, with a flat, vaulted section in the middle held

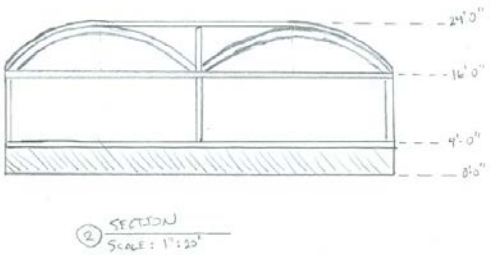
Address	900 E. 4th Street Los Angeles, CA
Year Built	Not Available
Building Area	8,000 GSF
Site Area	0.24 AC
Height	1 story
Owner	Tibbie Dunbar
Architect	Not Available
Structural Engineer	Not Available
Contractor/Builder	Not Available
Cost	Undisclosed



FLOOR PLAN BY RYAN SKELLY (JANUARY 24, 2017)



INTERIOR PHOTOGRAPH BY HARRY VAN GORKUM (2015)



SECTION BY RYAN SKELLY (JANUARY 24, 2017)

up by the pinnacle of the four rows of two trusses while the sides of the building taper linearly downward on the north and south ends and curvilinearly on the east and west ends along the line of the curved trusses.

The warehouse is also characterized by nine large rectangular skylights, organized in a three by three grid pattern, which are centered north to south and offset away from the entrance east to west. These allow for a combination of natural light and artificial light to illuminate the building, as well as the art and architecture that occupy the floorspace.

The A+D Museum building was not designed specifically for the art and architecture that it holds, as the warehouse was repurposed to house this museum. In that case, the collections are the main emphasis of the museum due to the open floor plan which allows flexibility in display. Therefore, the combination of a repurposed warehouse paired with an open floor plan renders the museum to be not iconic in the setting of Los Angeles. In order to achieve an iconic status, the A+D Museum must seek a custom building and location, designed with intent based on function.

REFERENCES:

1. Bernard, Murrye. "A+D Museum Relocates to Downtown Los Angeles." Talkcontract N.p., 7 July 2015. Web. 24 Jan. 2017
2. "ABOUT." A+D Architecture and Design Museum. N.p., n.d. Web. 24 Jan. 2017.
3. Ryan Skelly, Student. Personal Visit. 24 January 2017.



PHOTOGRAPH OF EXTERIOR BY RYAN SKELLY (TAKEN JANUARY 24, 2017)