



Miramar Capital

PEERY PARK
888-894 ROSS DRIVE
SUNNYVALE, CA 94089

PLANNING PERMIT
June 3, 2020
Revised: September 29, 2020

WRNSSTUDIO
501 SECOND STREET
SAN FRANCISCO, CA
SAN FRANCISCO, CA
CALIFORNIA 94107
415 486 2224 TEL
415 486 2224 FAX
WWW.WRNSSTUDIO.COM

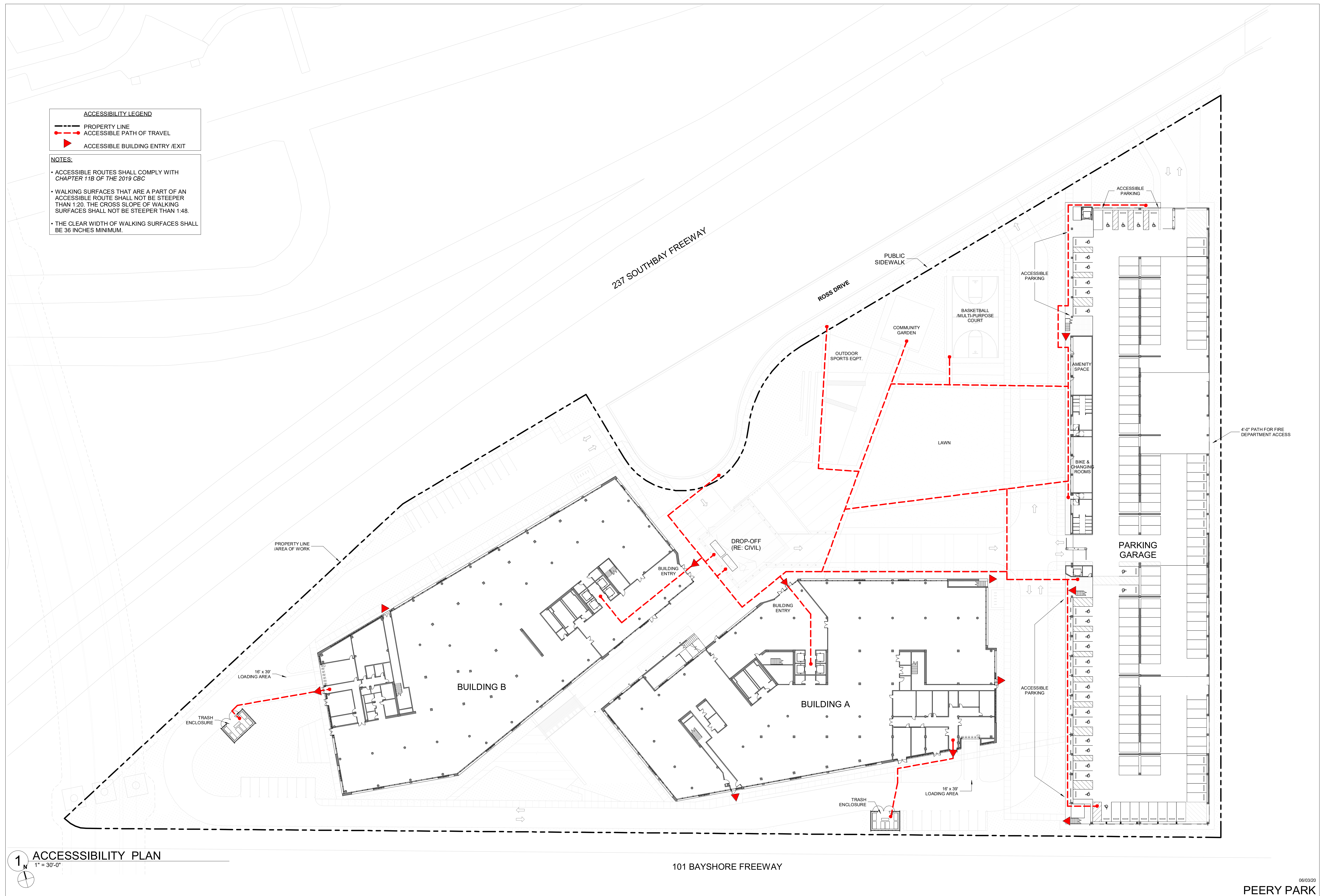
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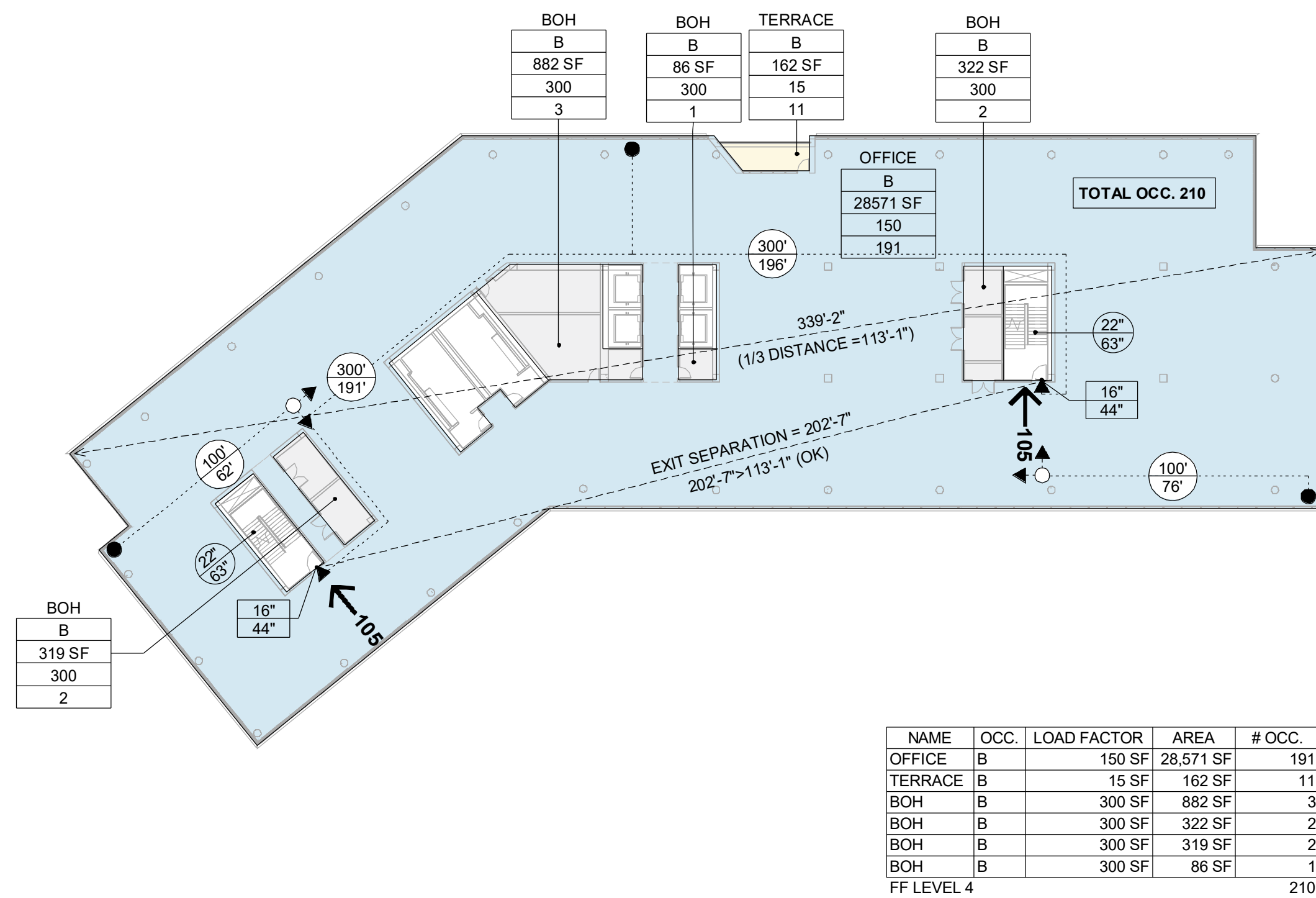
ISSUES	DATE	REVISION LIST	DATE
1 PLANT PERMIT	10/31/18		
2 PLANT PERMIT	10/16/19		
3 PLANT PERMIT	06/03/20		

PROJECT NO.: 18024.00	AHJ #
COVER	
G-000	

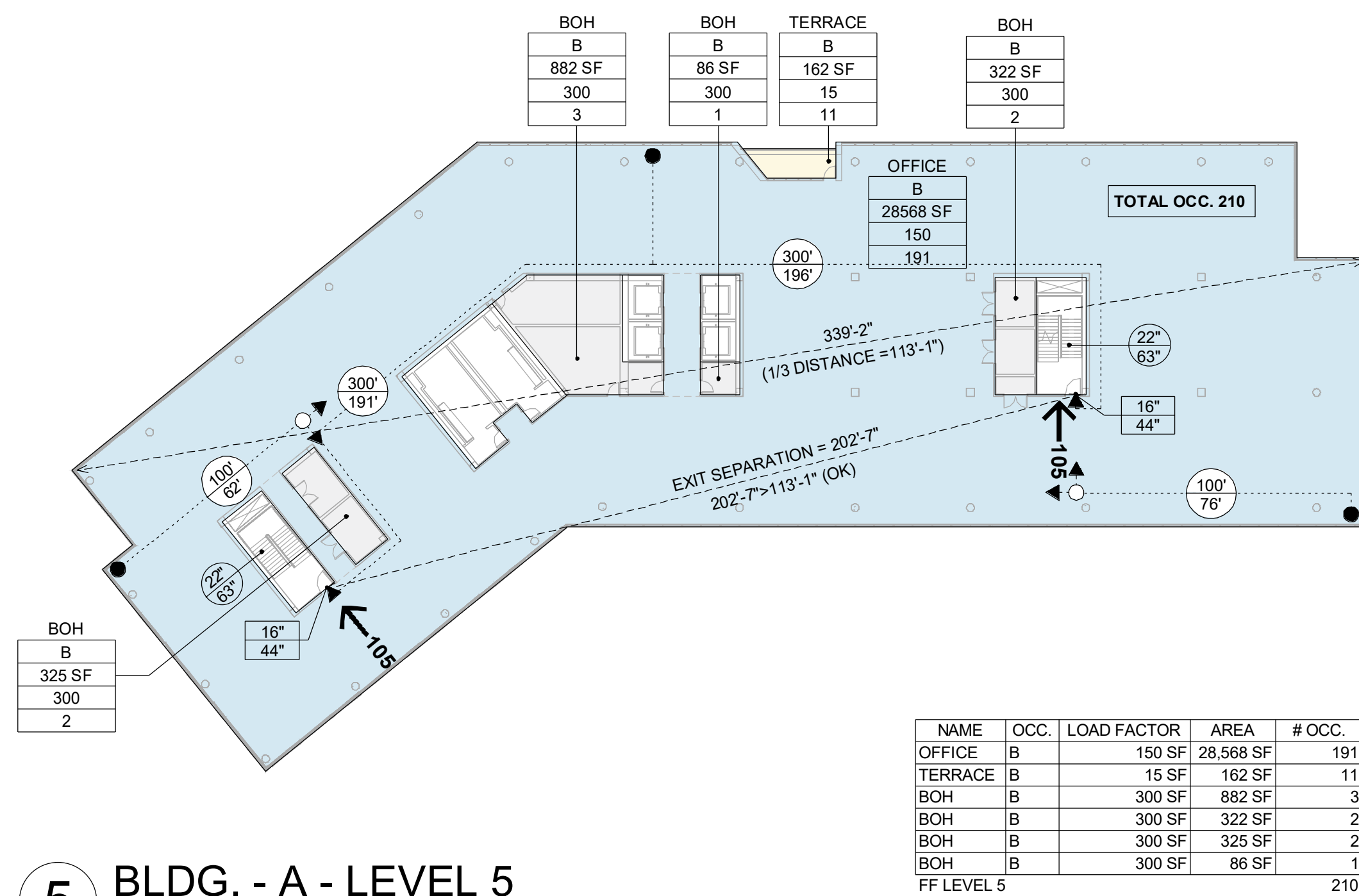
APPLICABLE CODES & AGENCIES	PROJECT INFO	PROJECT DIRECTORY	DRAWING SHEET INDEX																																																																																																																																																																
BUILDING CODES: 2019 CALIFORNIA BUILDING CODE (VOLUME 1) 2019 CALIFORNIA BUILDING CODE (VOLUME 2) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA FIRE CODE 2019 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS CODE FIRE CODES: 2019 CALIFORNIA FIRE CODE SUNNYVALE AMENDMENTS TO THE CALIFORNIA FIRE CODE (SMC 16.52) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES AND STANDARDS	PROJECT LOCATION 888-894 ROSS DRIVE SUNNYVALE, CA 94089 PROJECT SUMMARY WRNS STUDIO IS PLEASED TO SUBMIT THIS PLANNING APPLICATION ON BEHALF OF MIRAMAR CAPITAL FOR THE PEERY PARK PROJECT. 882-888 ROSS DRIVE IS A 391,131 SF (8.98 ACRE) SITE THAT SITS AT THE NORTH-EAST CORNER OF THE INTERSECTION OF THE 101 AND THE 237 FREEWAYS. THE SITE IS IN THE INNOVATIVE EDGE SUB DISTRICT OF THE PEERY PARK SPECIFIC PLAN DISTRICT. THE SITE IS ROUGHLY TRIANGULAR AND ACCESSED FROM ROSS DRIVE AT ITS NORTH. THE PROPERTY IS ABUTTED BY PROPERTIES TO ITS WEST. THE EXISTING PROPERTY CURRENTLY HAS THREE ONE-OR-TWO STORY BUILDINGS THAT ARE PROPOSED TO BE DEMOLISHED AS PART OF THIS PROJECT. THE PROPOSED PROJECT CONSISTS OF A "HIGH QUALITY, INNOVATIVE DESIGN" OF TWO FIVE LEVEL OFFICE BUILDINGS. THE PROJECT INCLUDES SITE IMPROVEMENT OVER THE ENTIRE PROPERTY. THE TWO OFFICE BUILDINGS ARE PROPOSED AS "TYPE B" OFFICE. THE PROJECT ALSO INCLUDES A NEW FIVE TO SIX LEVEL PARKING STRUCTURE.	DEVELOPER MIRAMAR DEVELOPMENT CONTACT: PERRY HARRIRIAE YI 22 S SANTA CRUZ AVE, FLOOR 2 LOS GATOS, CA 95030 408-600-0368 CIVIL HMH ENGINEERS CONTACT: RAY HASIMOTO 1570 OAKLAND ROAD SAN JOSE, CA 95131 408-487-2200 LIGHTING WATT CONTACT: JASON NACHES SEATTLE, WASHINGTON JNECHES@WATTLIGHTING.NET 206-317-4699 STRUCTURAL NISHKIAN MENNINGER CONTACT: LEVON NISHKIAN 600 HARRISON STREET SAN FRANCISCO, CA 94107 415-836-9616 WASTE MANAGEMENT AMERICAN TRASH MANAGEMENT CONTACT: STEVE SELZER 1388 SUTTER ST STE 920 SAN FRANCISCO, CA 94109 415-292-5400 ARCHITECT WRNS STUDIO CONTACT: BRIAN MILMAN 501 SECOND STREET SUITE 402 SAN FRANCISCO, CA 94107 415-489-2242 LANDSCAPE STUDIO FIVE CONTACT: RICHARD SHARP 25 SAN ANSELMO AVE SAN ANSELMO, CA 94960 1 (415) 524-8517 SUSTAINABILITY INTERFACE ENGINEERING CONTACT: SHAWN MACLEAN 135 MAIN STREET, SUITE 400 SAN FRANCISCO, CA 94105 415-489-7272 TRAFFIC TDM SPECIALISTS, INC. CONTACT: ELIZABETH HUGHES ELIZABETH.HUGHES@TDMSPECIALISTS.COM 408-420-4211 ACOUSTICS CHARLES M. SALTER ASSOCIATES CONTACT: CHARLES SALTER 130 SUTTER STREET SAN FRANCISCO, CA 94104 415-397-0454	<table><tr><td colspan="2">GENERAL</td></tr><tr><td>G-000</td><td>COVER</td></tr><tr><td>G-001</td><td>DRAWING INDEX, PROJECT DIRECTORY, PROJECT INFO</td></tr><tr><td>G-002</td><td>PLANNING INFORMATION AND CODE SUMMARY</td></tr><tr><td>G-002.1</td><td>ACCESSIBILITY PLAN</td></tr><tr><td>G-002.2</td><td>FLOOR PLANS - BUILDING A - EXIT DIAGRAMS</td></tr><tr><td>G-002.3</td><td>FLOOR PLANS - BUILDING B - EXIT DIAGRAMS</td></tr><tr><td>G-003</td><td>EXISTING CONDITIONS</td></tr><tr><td>G-004</td><td>SITE PLAN</td></tr><tr><td>G-004.1</td><td>SITE ELEVATIONS</td></tr><tr><td>G-004.3</td><td>GRID PLAN</td></tr><tr><td>G-004.4</td><td>SOLAR SHADING ANALYSIS</td></tr><tr><td>G-005.1</td><td>RENDERINGS</td></tr><tr><td>G-005.2</td><td>RENDERINGS</td></tr><tr><td>G-005.3</td><td>RENDERINGS</td></tr><tr><td colspan="2">CIVIL</td></tr><tr><td>C-1</td><td>UTILITY EASEMENT & LOT LINE DISPOSITION PLAN</td></tr><tr><td>C-2</td><td>CONCEPTUAL SITE PLAN</td></tr><tr><td>C-3</td><td>CONCEPTUAL GRADING AND DRAINAGE PLAN</td></tr><tr><td>C-4</td><td>EXISTING UTILITY DISPOSITION</td></tr><tr><td>C-5</td><td>CONCEPTUAL UTILITY PLAN</td></tr><tr><td>C-6</td><td>CONCEPTUAL STORMWATER CONTROL PLAN</td></tr><tr><td>C-7</td><td>WASTE MANAGEMENT & FIRE ACCESS EXHIBIT</td></tr><tr><td colspan="2">LANDSCAPE</td></tr><tr><td>L-001</td><td>ILLUSTRATIVE PLAN</td></tr><tr><td>L-001A</td><td>ILLUSTRATIVE PLAN - LEVEL 2 & 3</td></tr><tr><td>L-002</td><td>PERSPECTIVE VIEWS</td></tr><tr><td>L-002A</td><td>PERSPECTIVE VIEWS</td></tr><tr><td>L-003</td><td>PHOTOGRAPHIC IMAGERY</td></tr><tr><td>L-004</td><td>PHOTOGRAPHIC IMAGERY</td></tr><tr><td>L-005</td><td>TREE DISPOSITION PLAN</td></tr><tr><td>L-005A</td><td>TREE PROTECTION NOTES AND DETAILS</td></tr><tr><td>L-006</td><td>PARKING LOT SHADE PLAN</td></tr><tr><td>L-007</td><td>MATERIAL SCHEDULE</td></tr><tr><td>L-008</td><td>PLANT SCHEDULE</td></tr><tr><td>L-100</td><td>MATERIALS PLAN</td></tr><tr><td>L-101</td><td>MATERIALS PLAN - LEVEL 2 & 3</td></tr><tr><td>L-200</td><td>PLANTING PLAN</td></tr><tr><td>L-201</td><td>PLANTING PLAN -LEVEL 2 & 3</td></tr><tr><td>L-300</td><td>IRRIGATION PLAN</td></tr><tr><td>L-301</td><td>IRRIGATION PLAN - LEVELS 3 & 3</td></tr><tr><td>L-302</td><td>IRRIGATION LEGEND AND NOTES</td></tr><tr><td>L-303</td><td>IRRIGATION DETAILS</td></tr><tr><td>L-304</td><td>IRRIGATION DETAILS</td></tr><tr><td>L-305</td><td>IRRIGATION DETAILS</td></tr></table> <table><tr><td colspan="2">ARCHITECTURAL - 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VICINITY MAP	LOCATION MAP

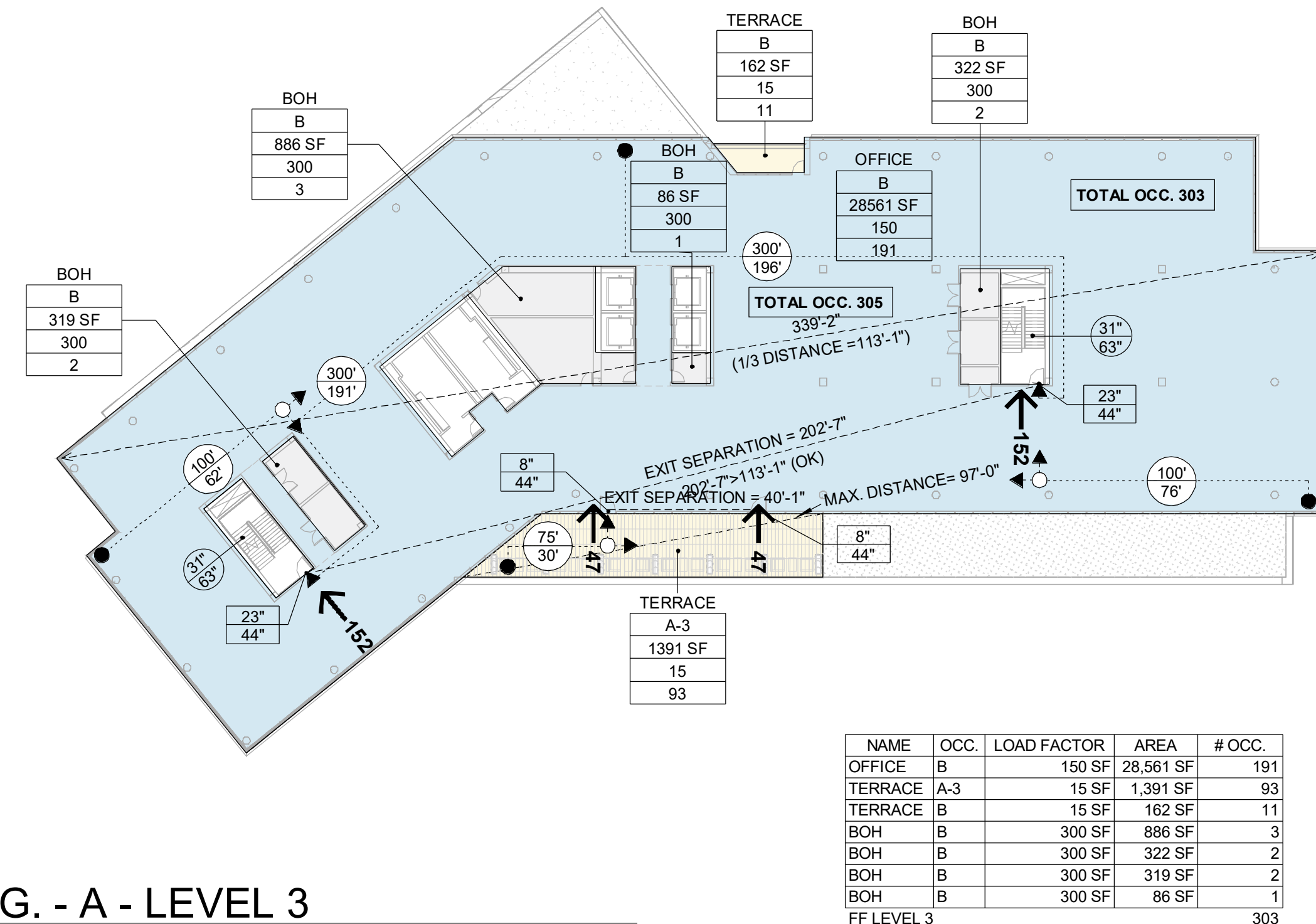




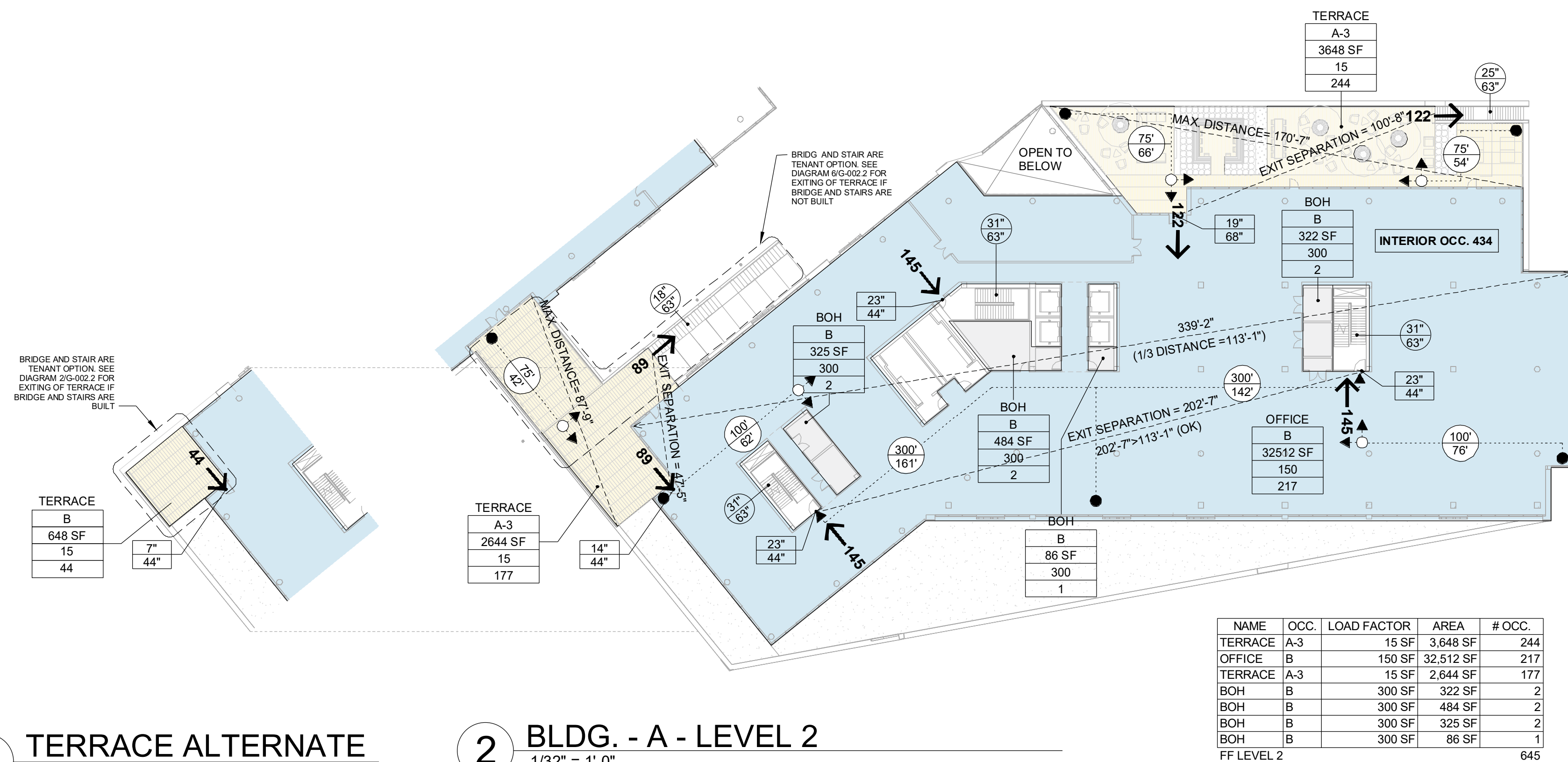
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1/32" = 1'-0"



5 BLDG. A - LEVEL 5
1/32" = 1'-0"

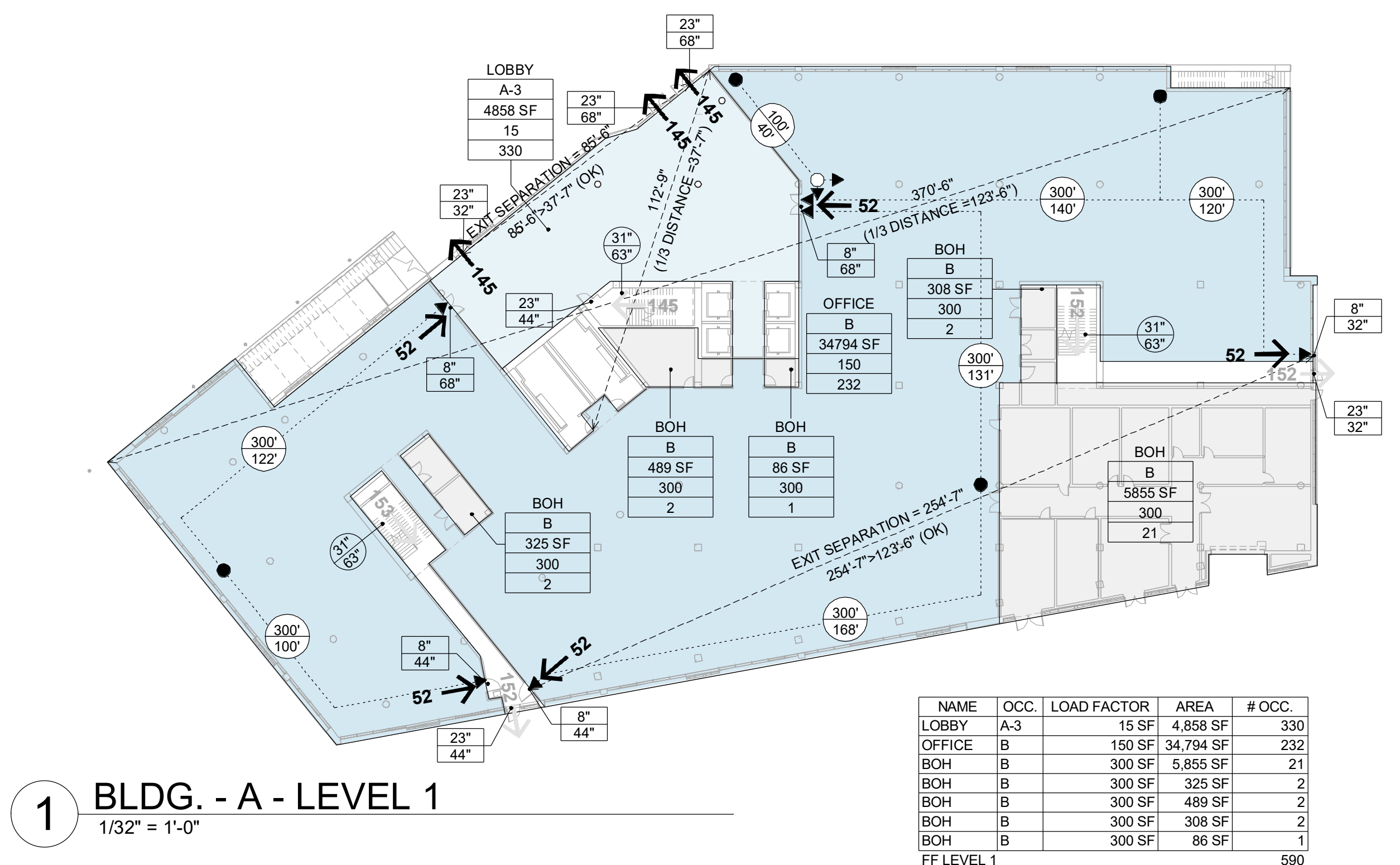


3 BLDG. - A - LEVEL 3
1/32" = 1'-0"



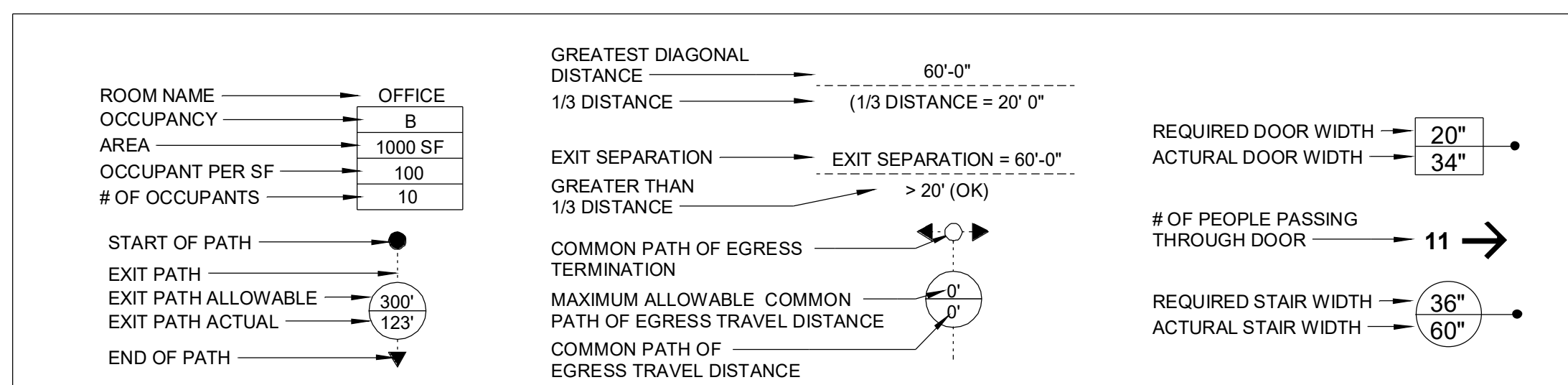
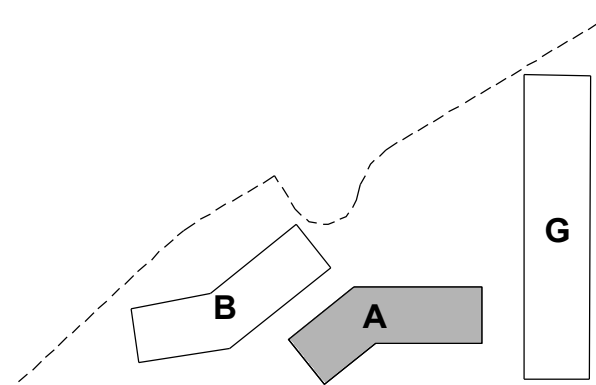
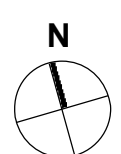
2 BLDG. - A - LEVEL 2
1/32" = 1'-0"

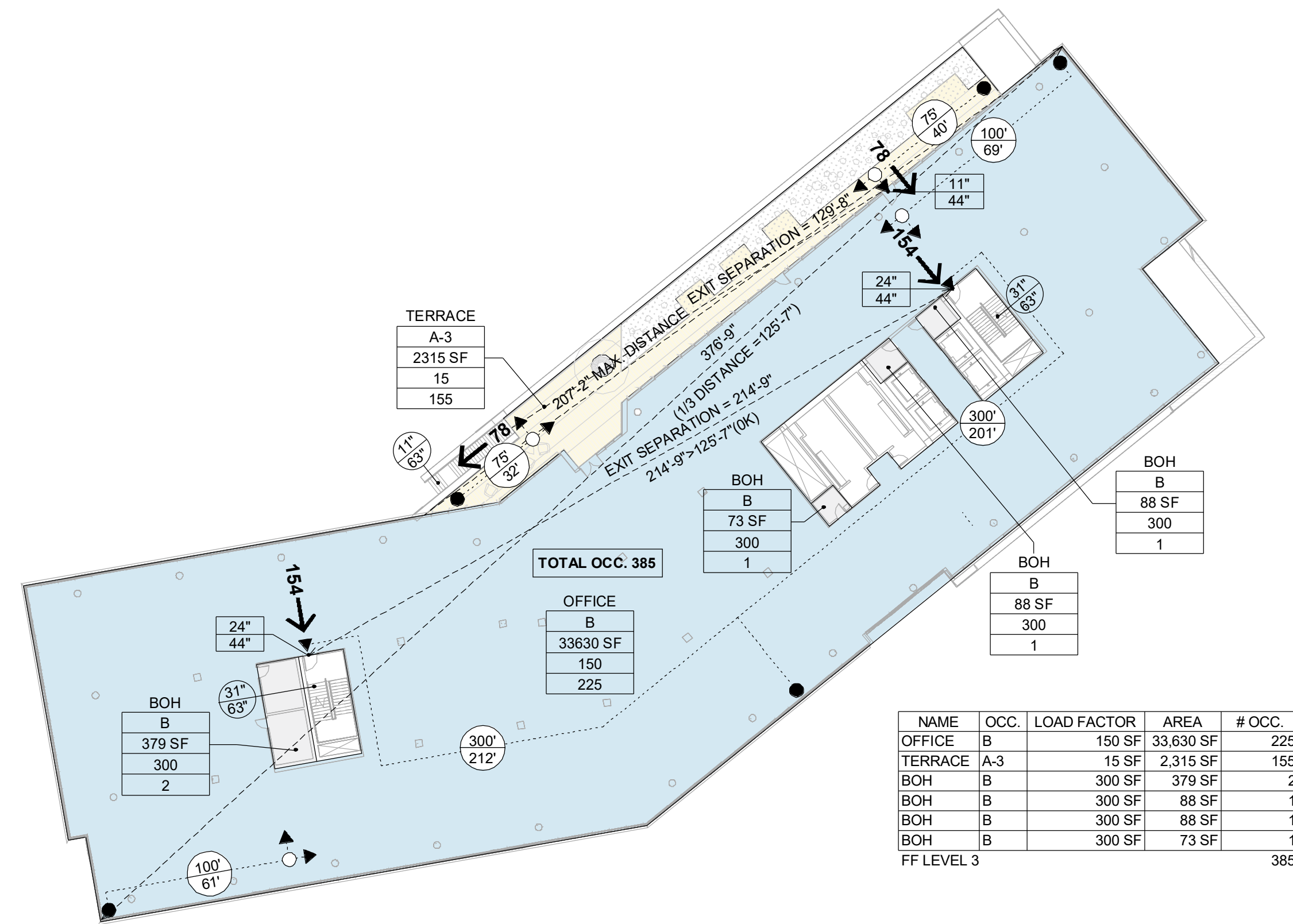
6 TERRACE ALTERNATE
1/32" = 1'-0"



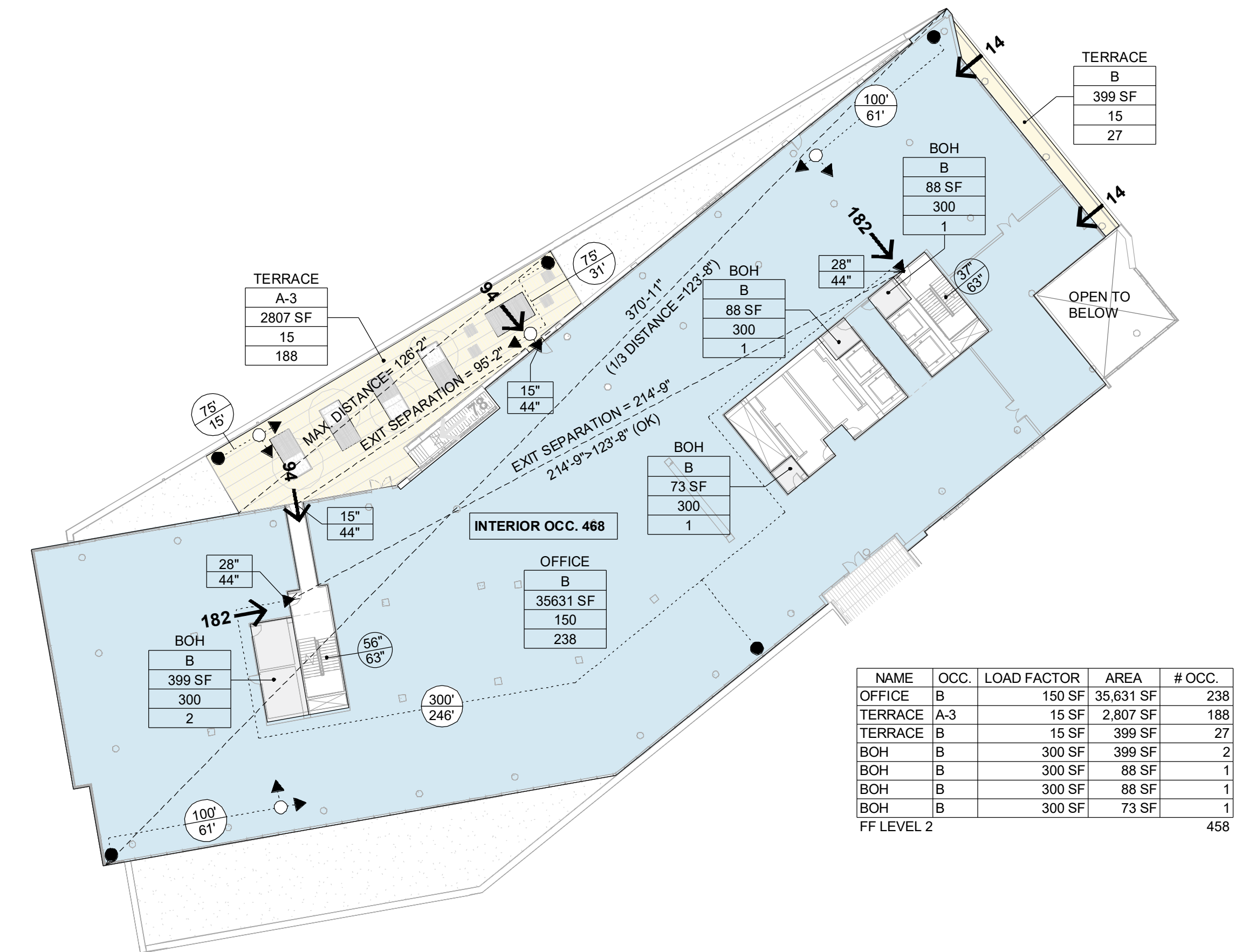
1 BLDG. A - LEVEL 1
1/32" = 1'-0"

KEY PLAN:

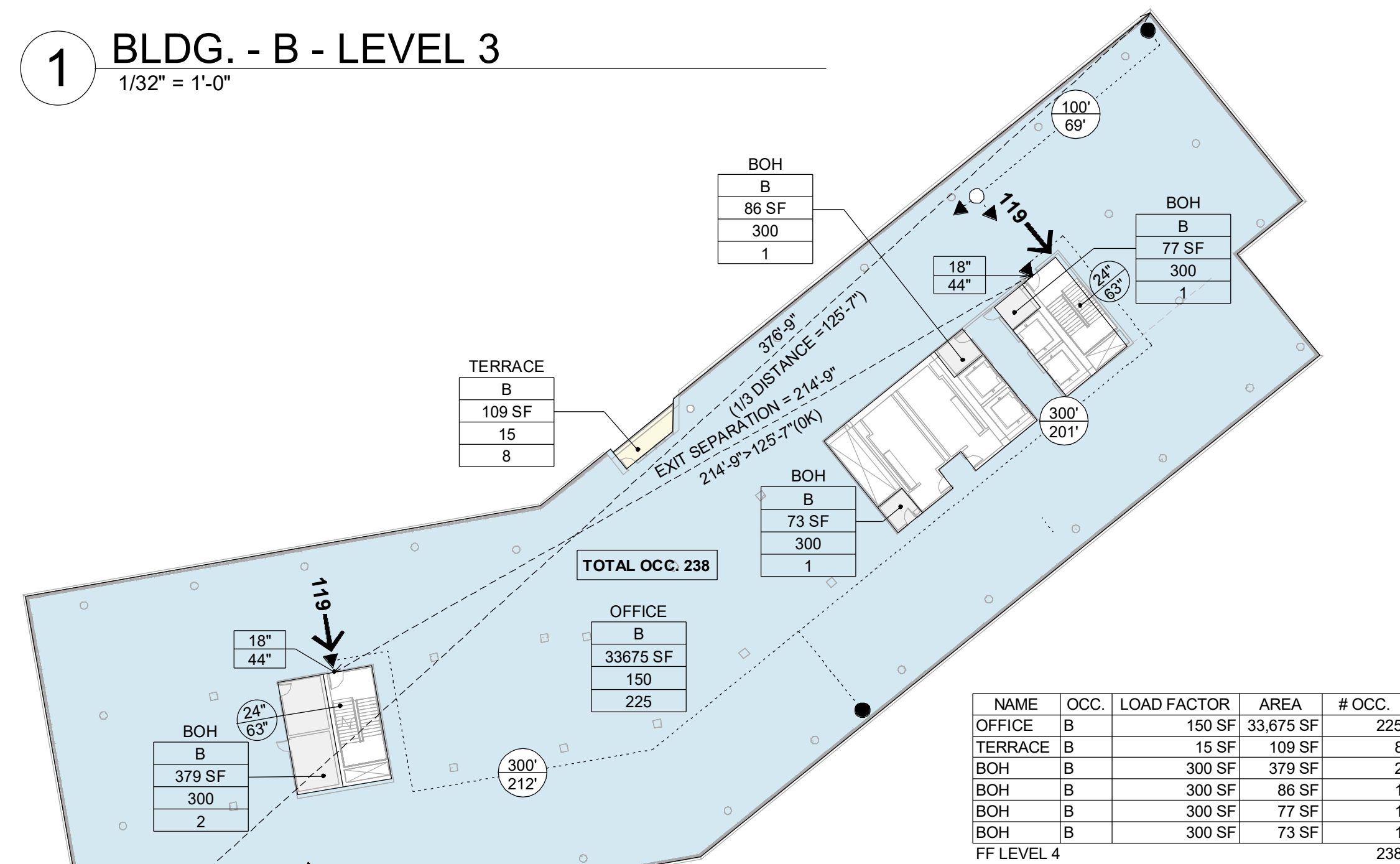




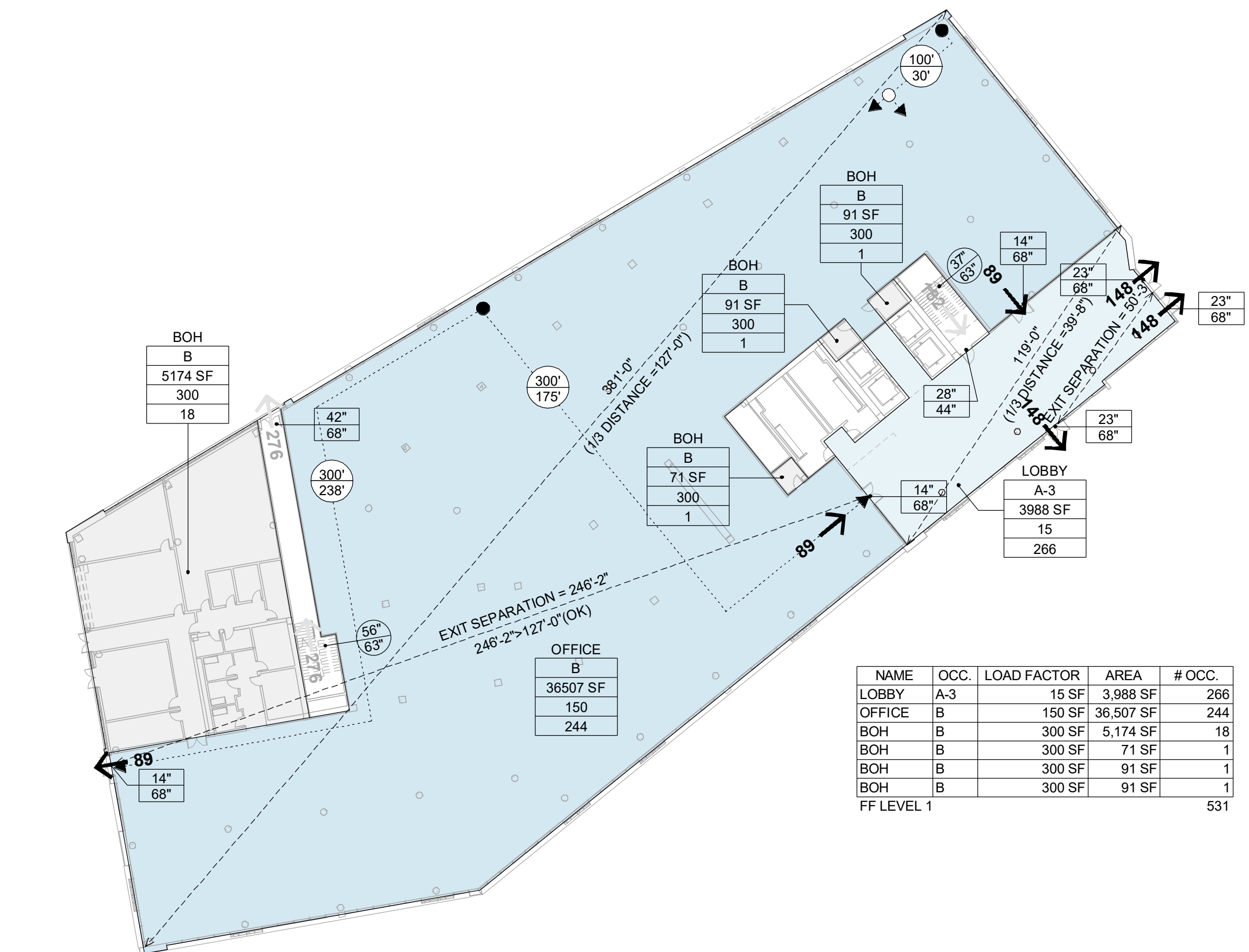
1 BLDG. - B - LEVEL 3
1/32" = 1'-0"



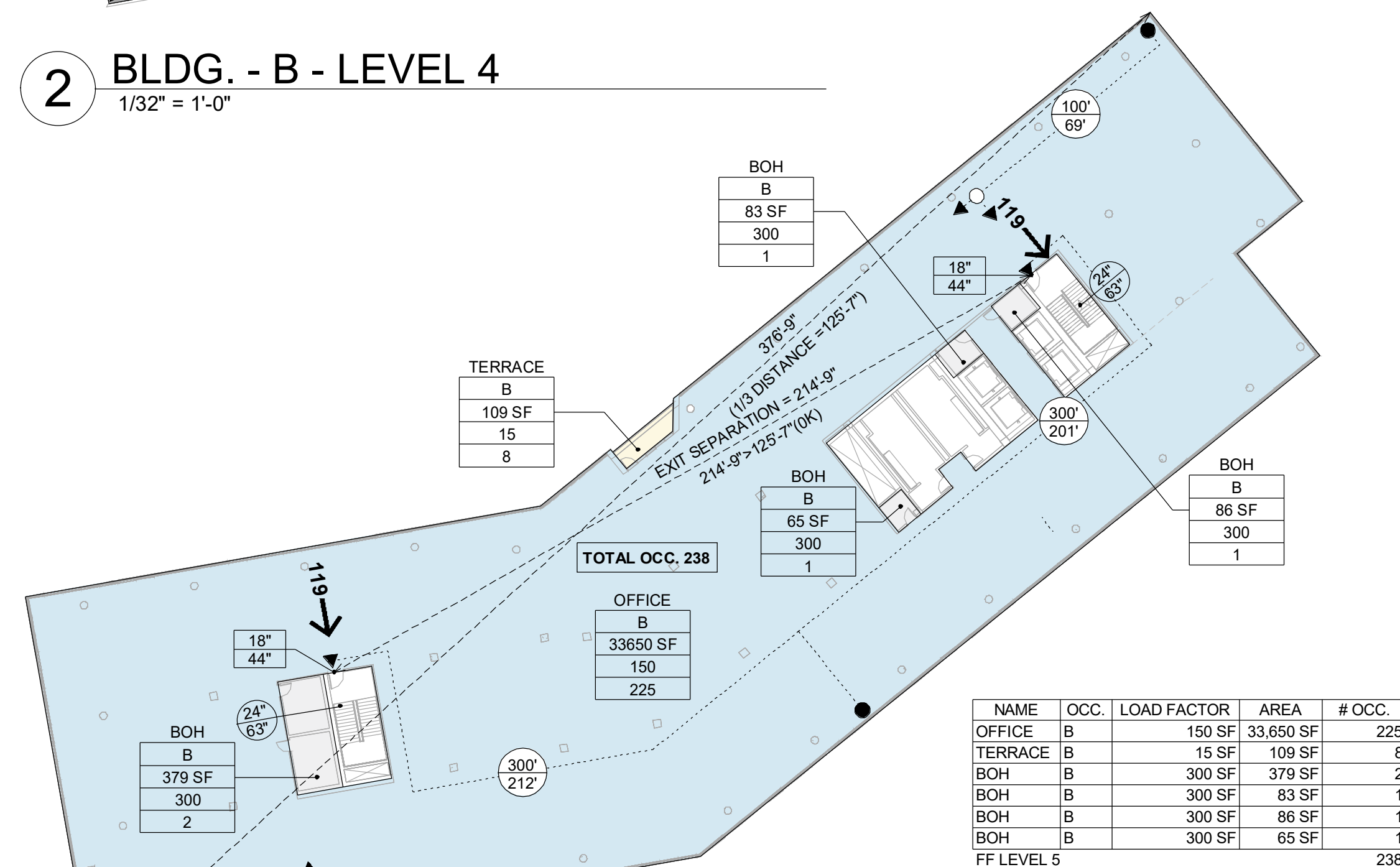
7 BLDG. - B - LEVEL 2
1/32" = 1'-0"



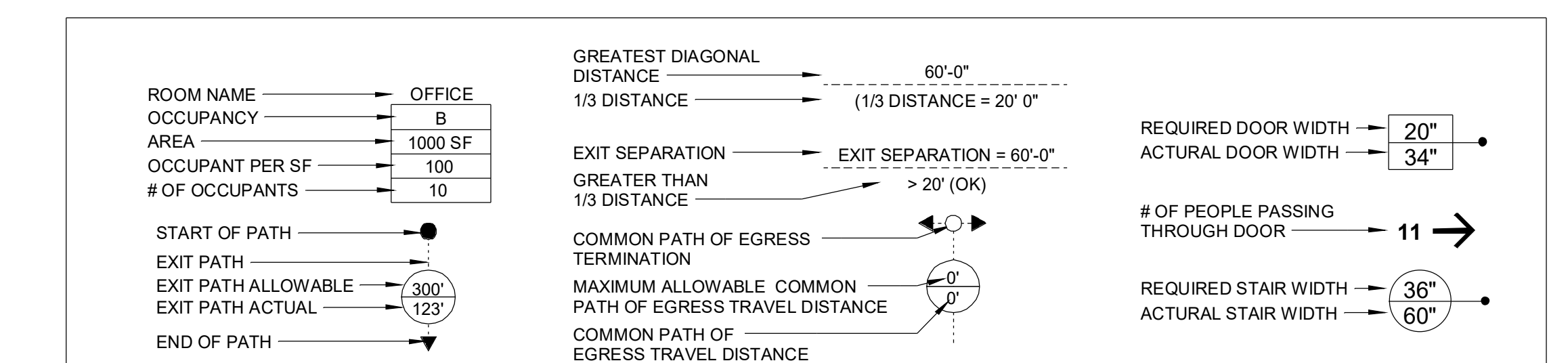
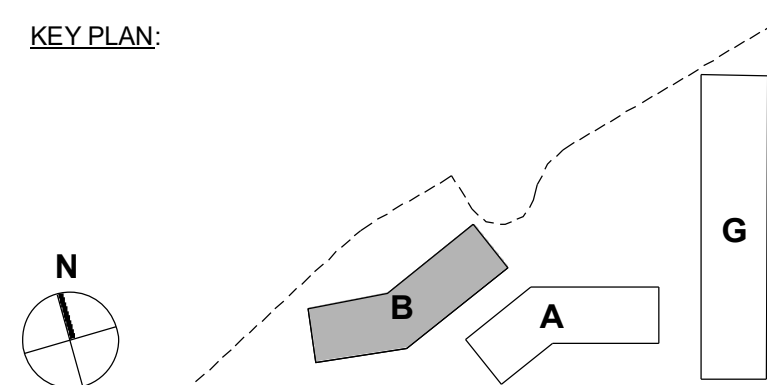
2 BLDG. - B - LEVEL 4
1/32" = 1'-0"



6 BLDG. - B - LEVEL 1
1/32" = 1'-0"



8 BLDG. - B - LEVEL 5
1/32" = 1'-0"





ROSS DRIVE CULDESAC



SURFACE PARKING BEHIND 888 OR 894 ROSS DR



SURFACE PARKING AND LANDSCAPE



PARKING WITH LANDSCAPE



VIEW LOOKING NORTH TOWARDS ROSS DRIVE



PARKING WITH LANDSCAPE



PROPERTY EAST OF PROJECT



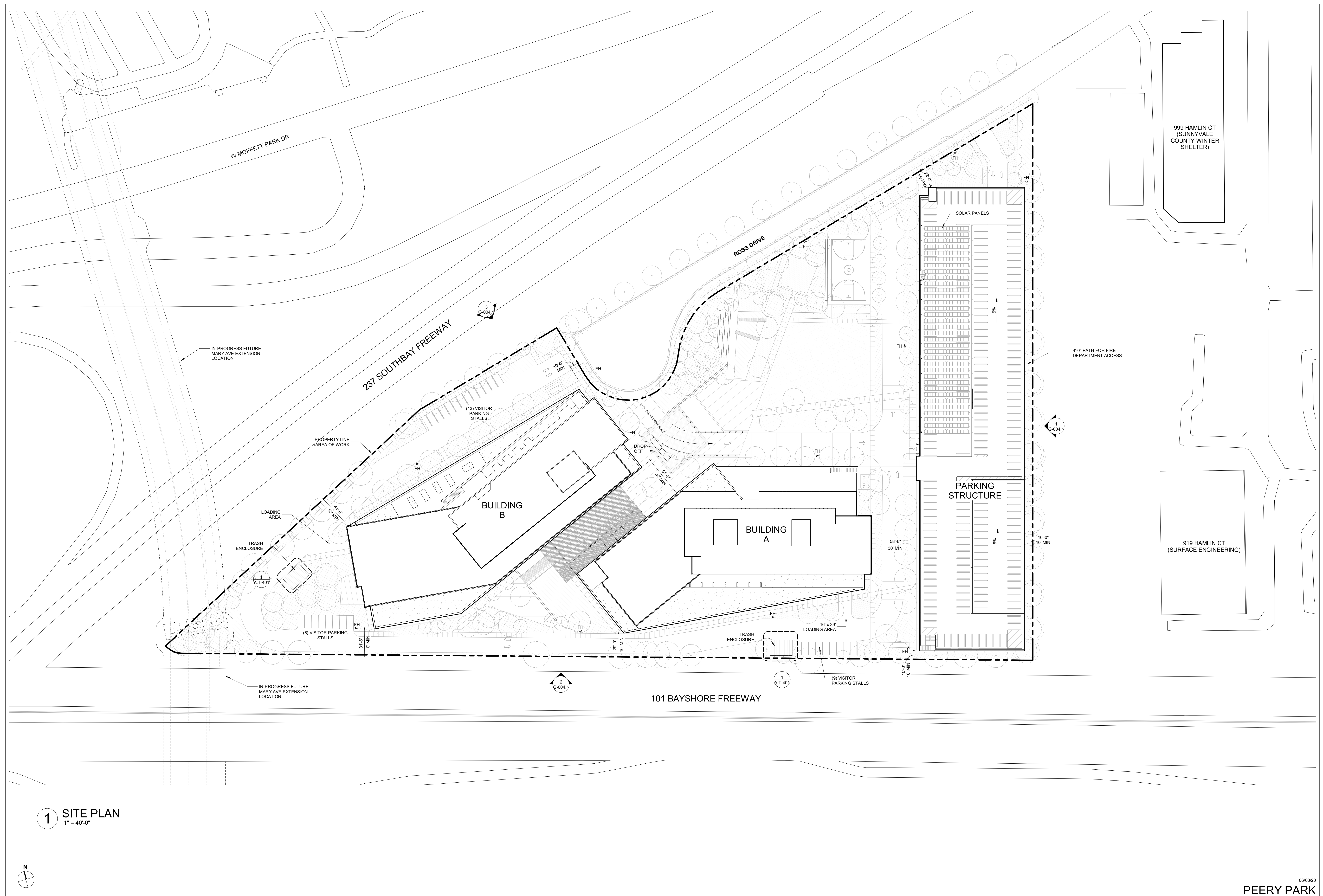
PARKING WITH LANDSCAPE AT 888 OR 894 ROSS DR

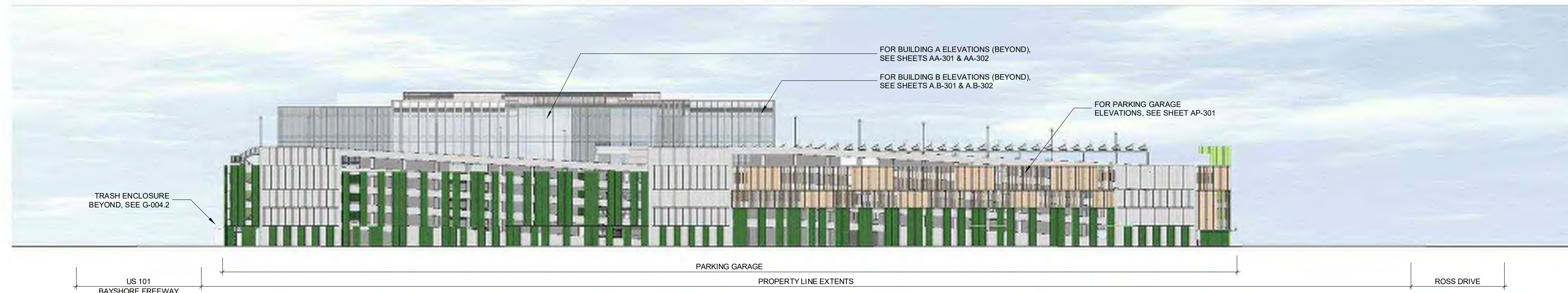


POND AT 888 OR 894 ROSS DR

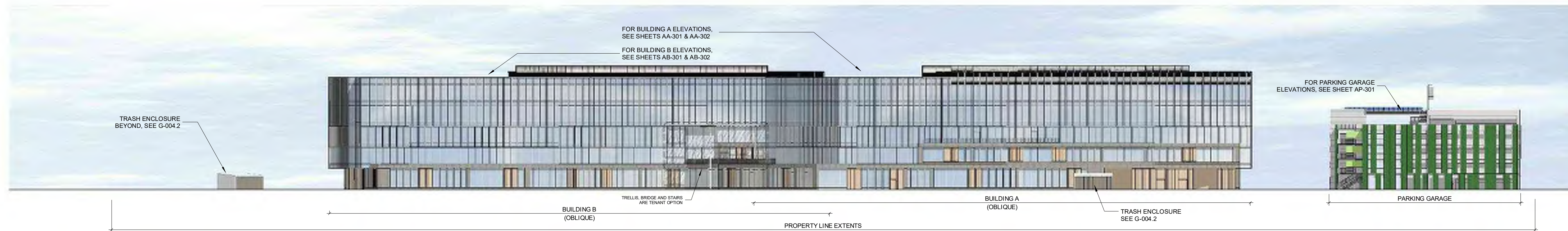


892 ROSS DR





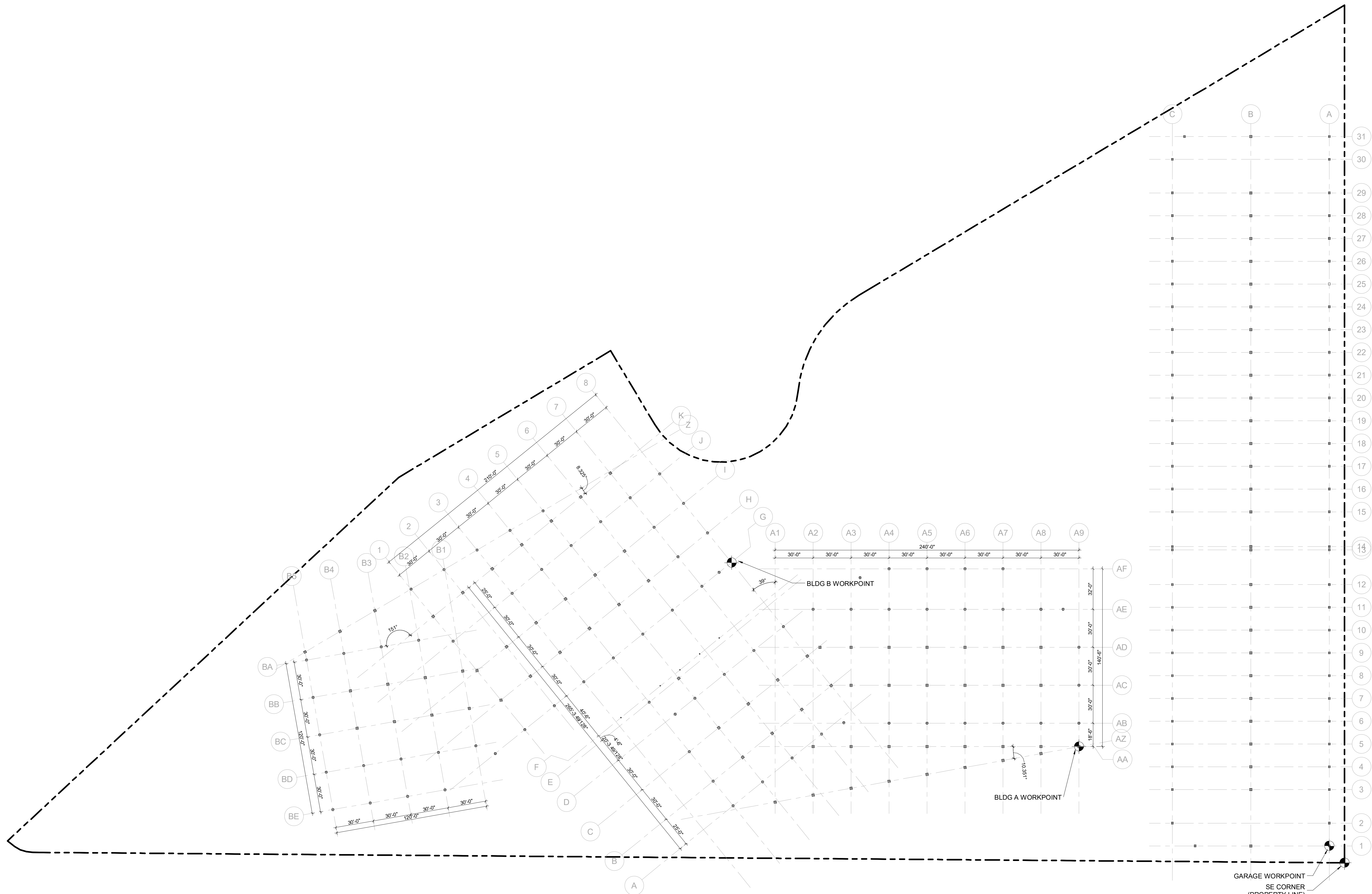
1 SITE ELEVATION - EAST
1/32" = 1'-0"



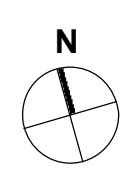
2 SITE ELEVATION - BAYSHORE FREEWAY
1/32" = 1'-0"

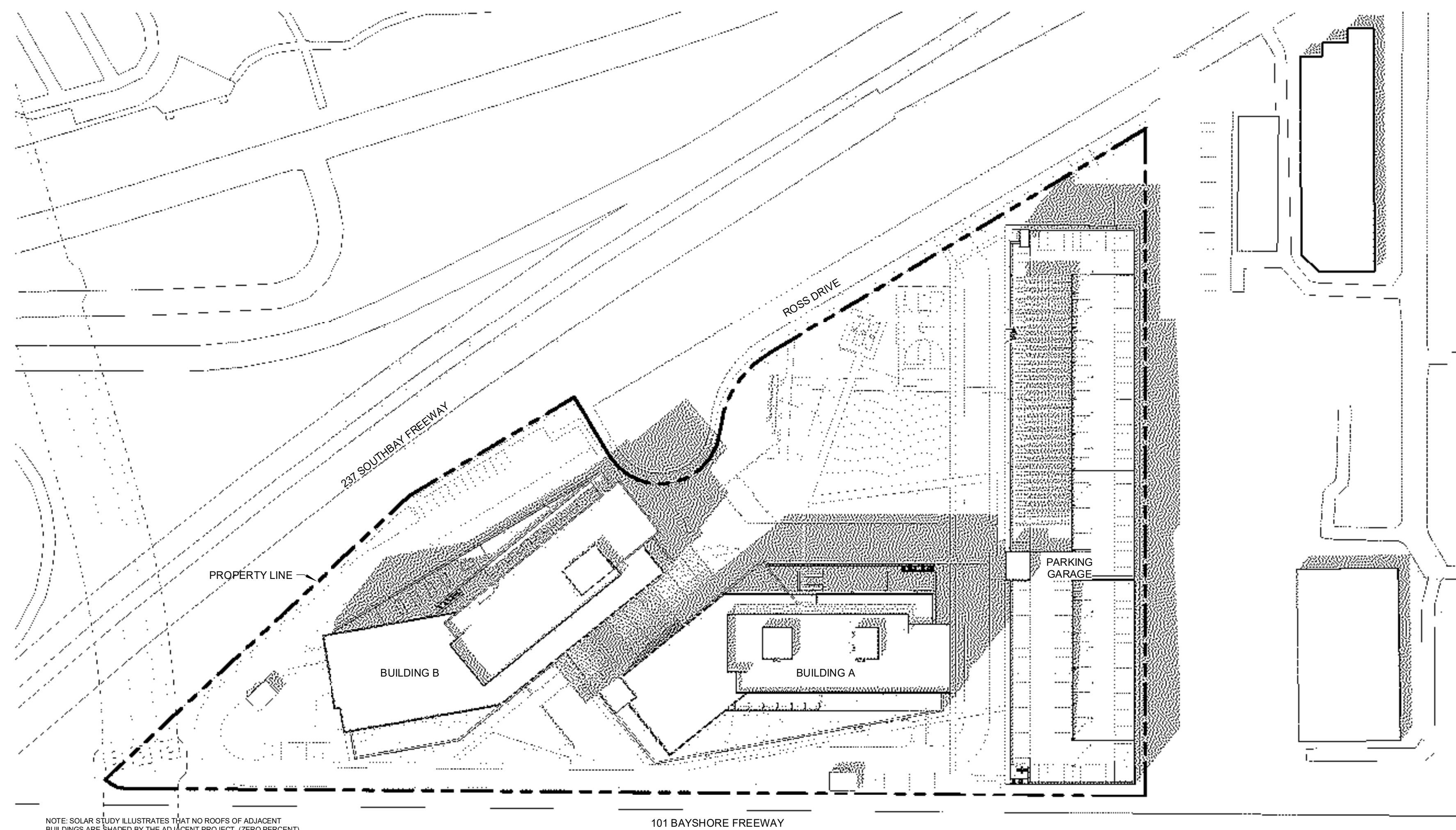


3 SITE ELEVATION - ROSS DRIVE
1/32" = 1'-0"

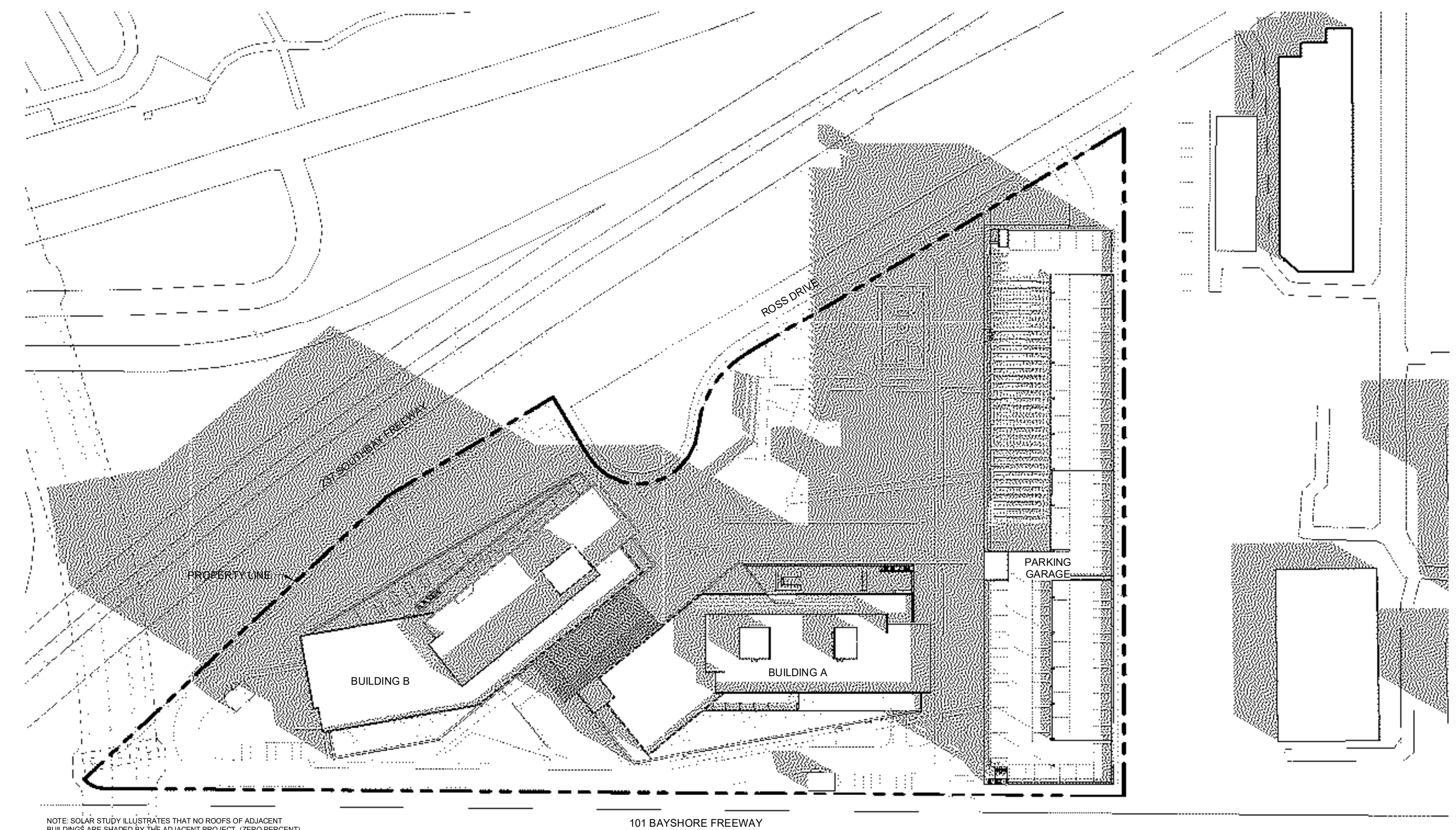


1 GRID PLAN - LEVEL 1
1" = 30'-0"

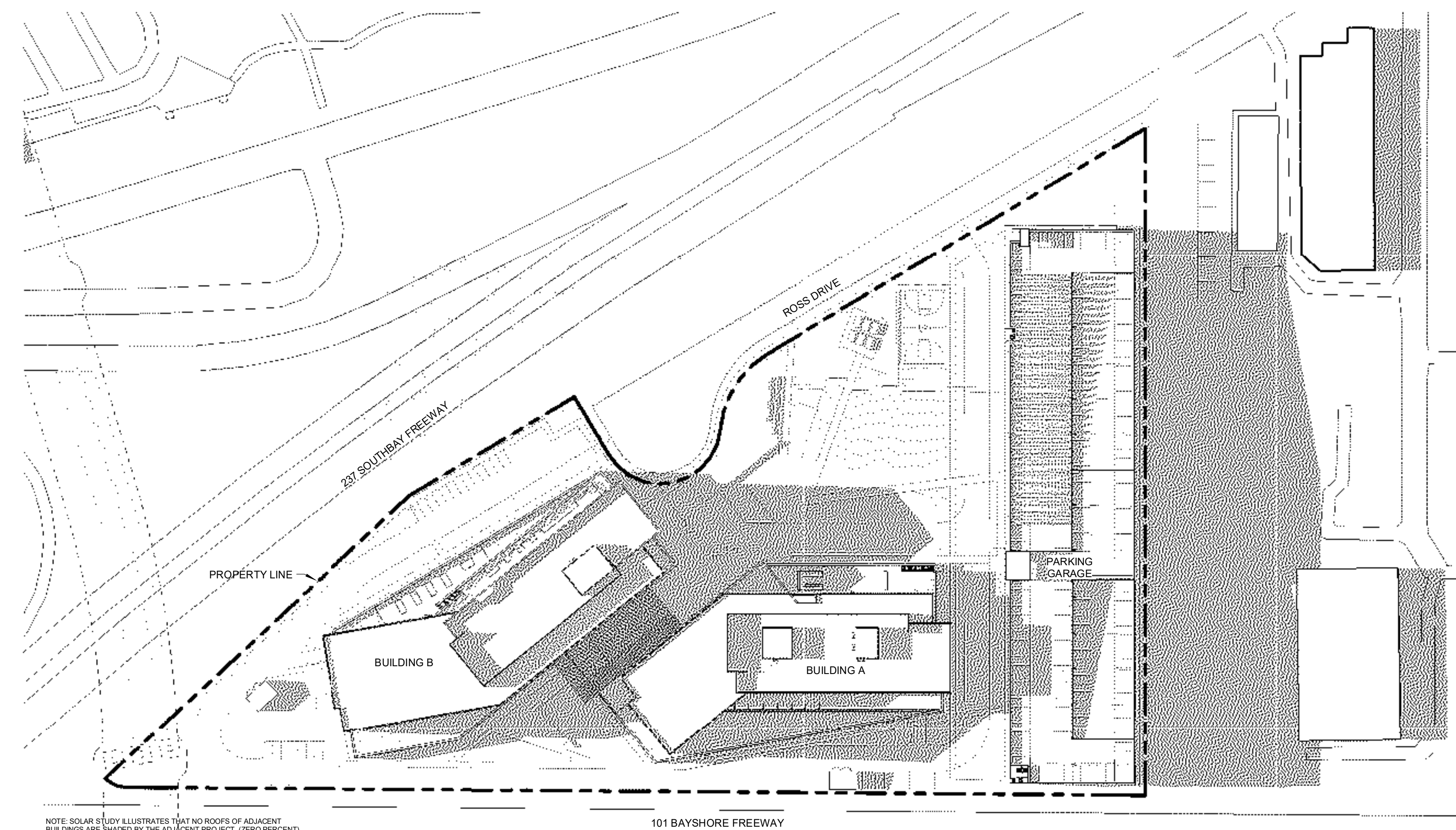




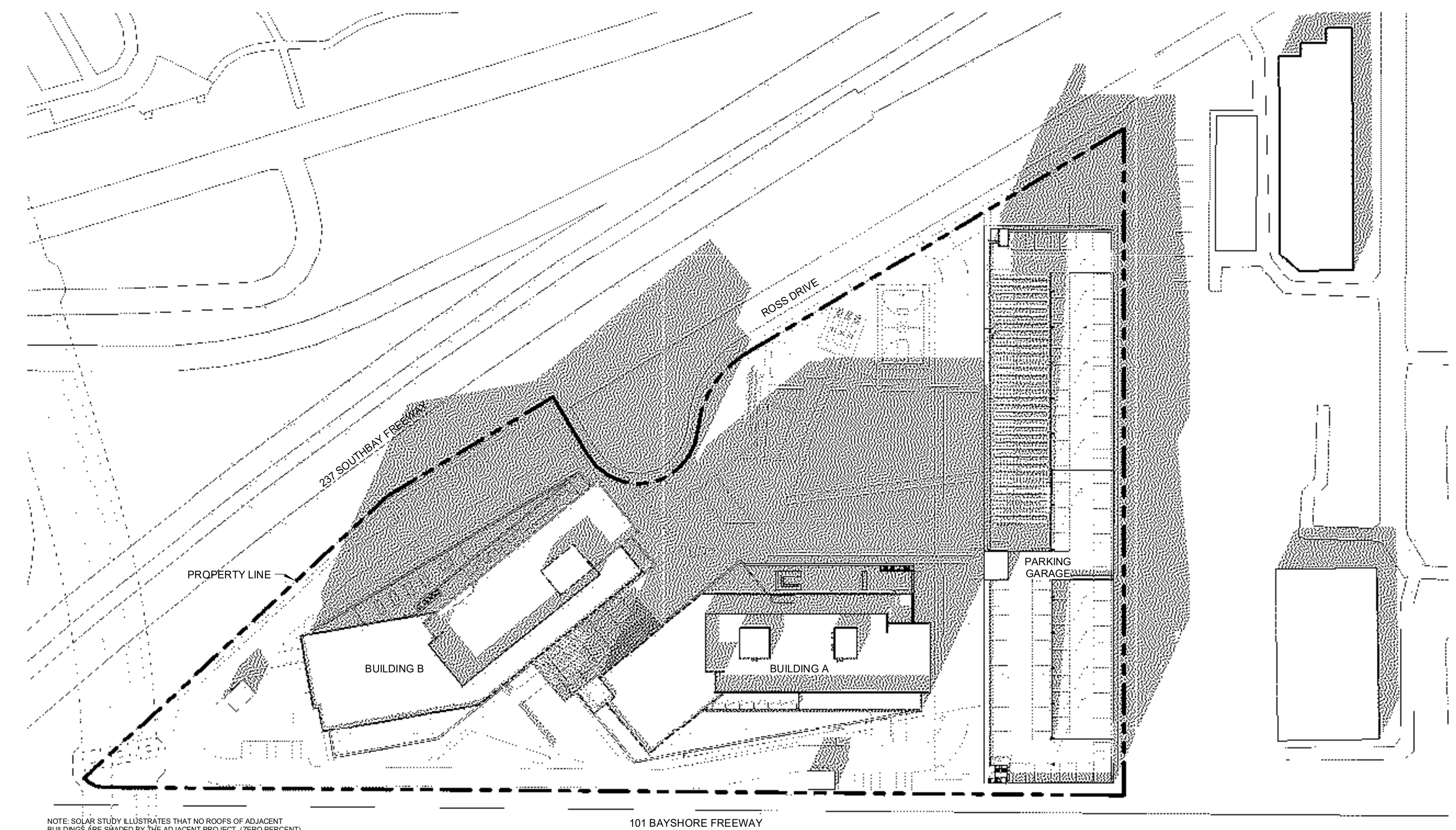
4 EQUINOX - 3PM
1" = 80'-0"



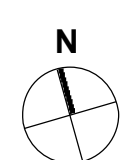
2 WINTER SOLSTICE - 9AM
1" = 80'-0"



3 SUMMER SOLSTICE - 6PM
1" = 80'-0"



1 WINTER SOLSTICE - 3PM
1" = 80'-0"





VIEW OF BUILDINGS FROM OPEN SPACE



VIEW OF BUILDING ENTRIES FROM OPEN SPACE



VIEW OF FORUM BETWEEN BUILDINGS



VIEW OF FORUM FROM THE SOUTH SIDE



VIEW OF PARKING GARAGE FROM ROSS DRIVE



VIEW OF ENTRY FROM ROSS DRIVE



VIEW OF CAMPUS FROM BLDG. B



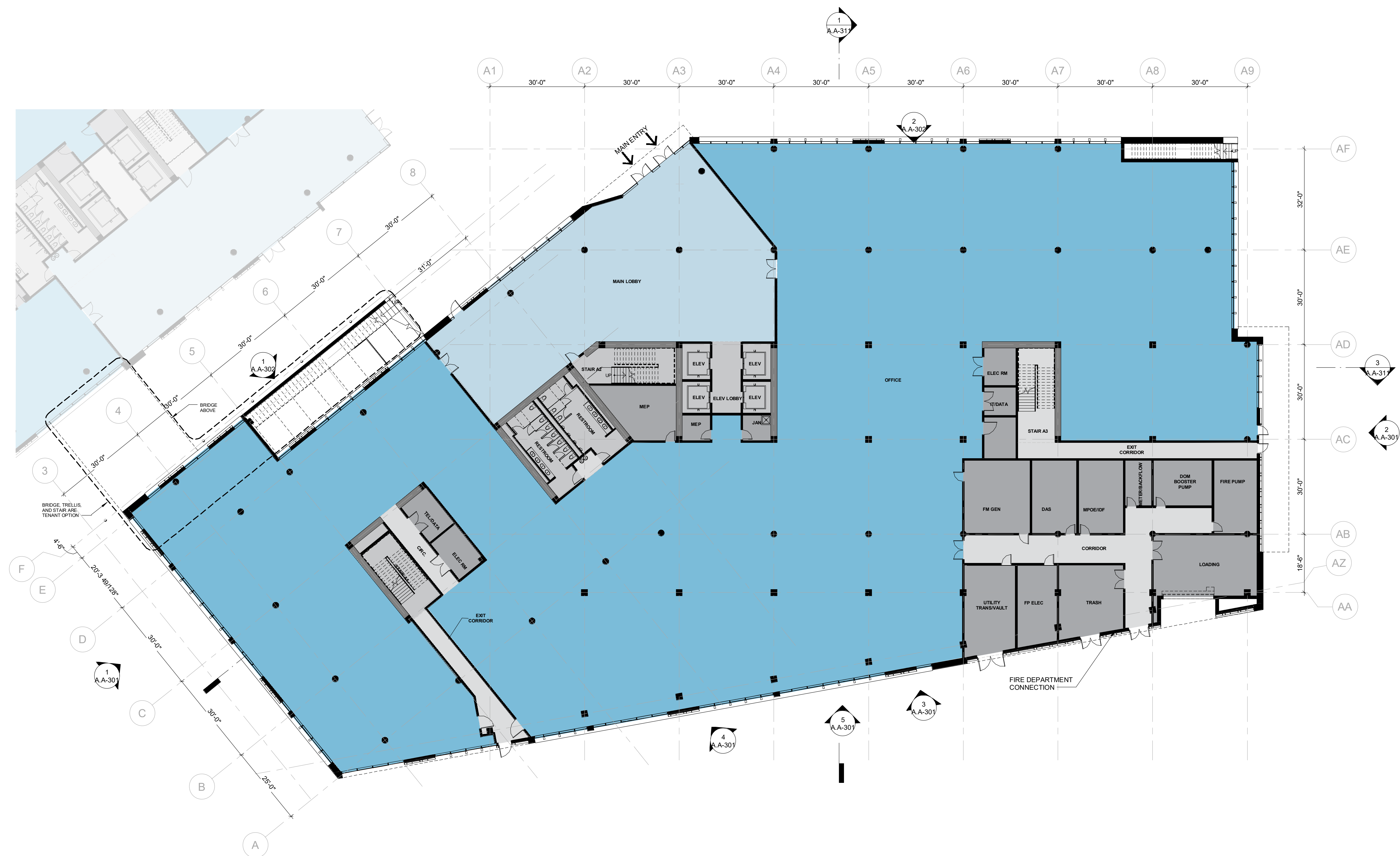
VIEW FROM BLDG. A TERRACE



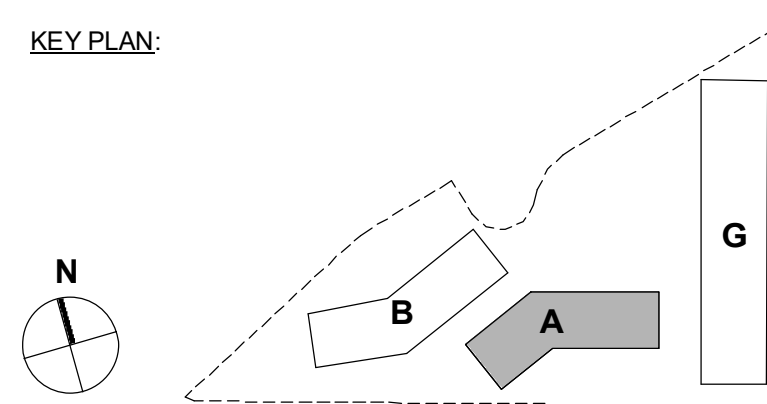
VIEW OF OFFICE BUILDINGS FROM US-101

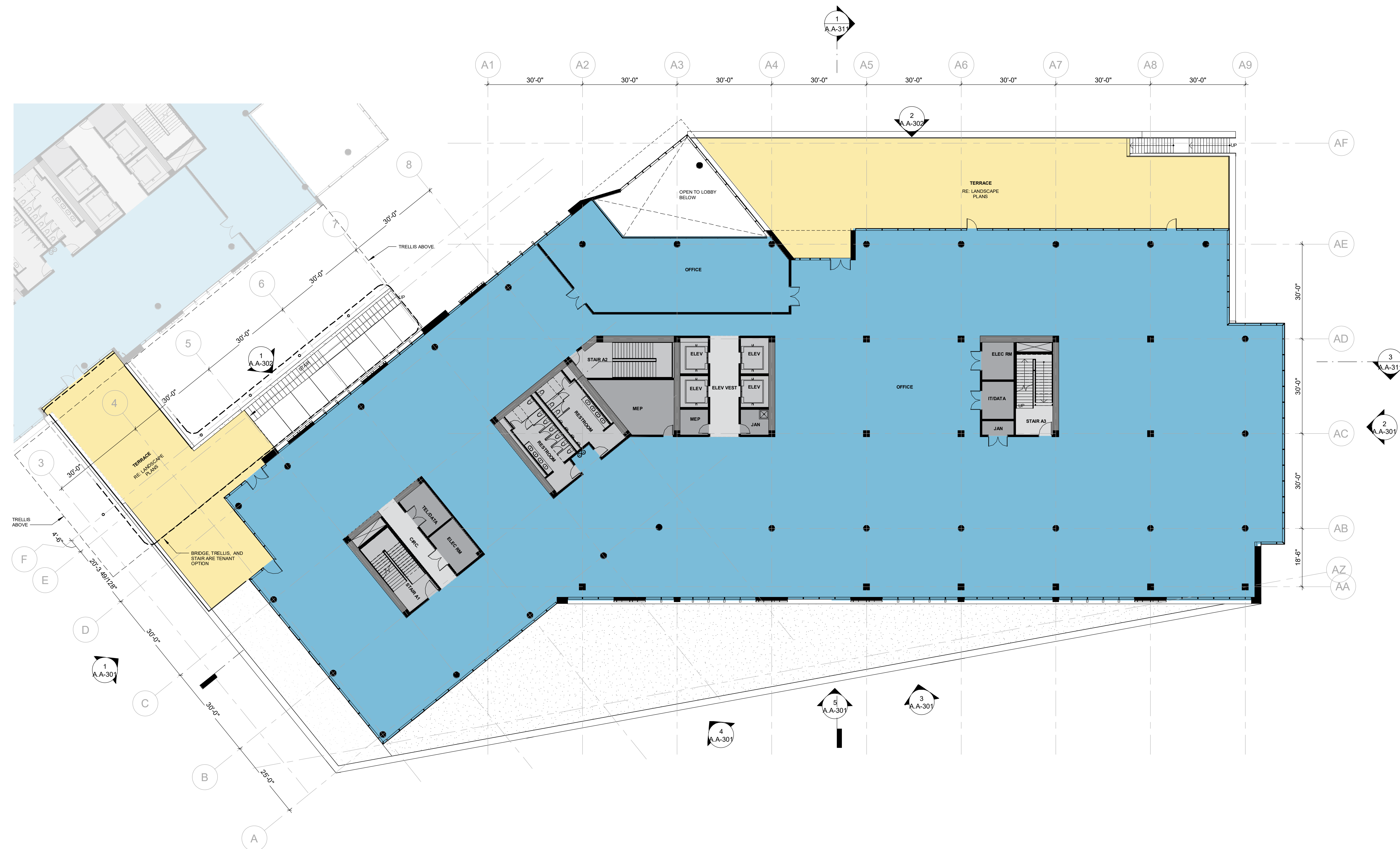


VIEW OF PARKING GARAGE FROM US-101



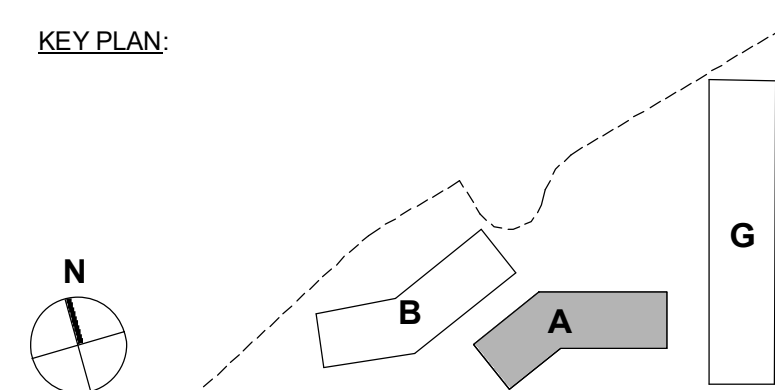
1 FLOOR PLAN - LEVEL 1 - BLDG A
1/16" = 1'-0"





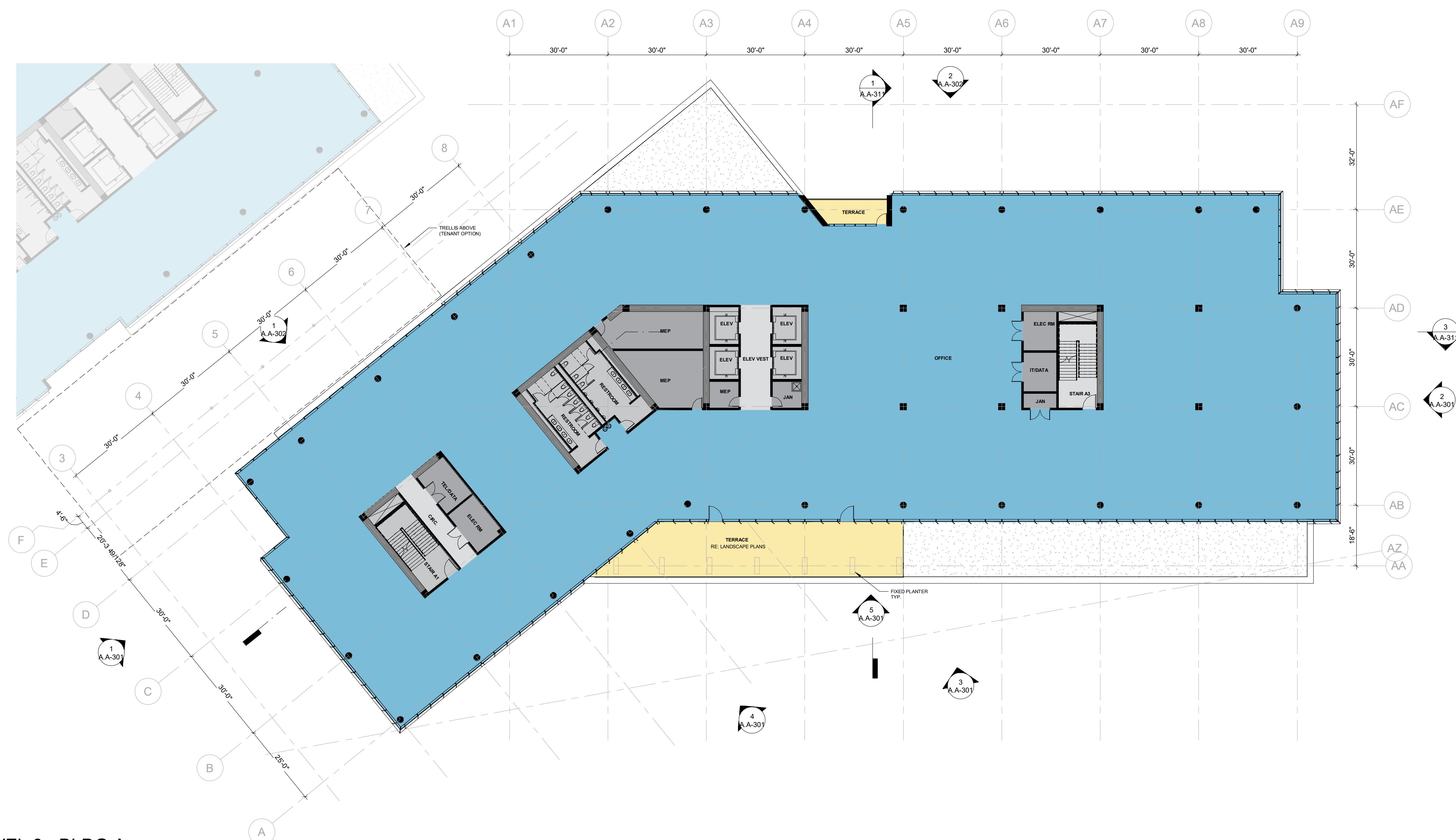
1 FLOOR PLAN - LEVEL 2 - BLDG A
1/16" = 1'-0"

KEY PLAN:

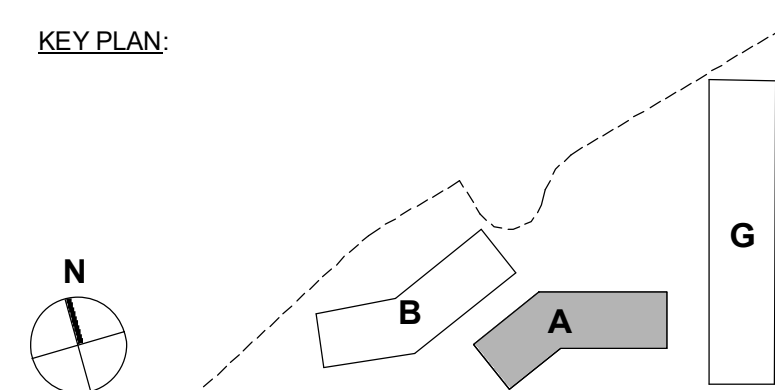


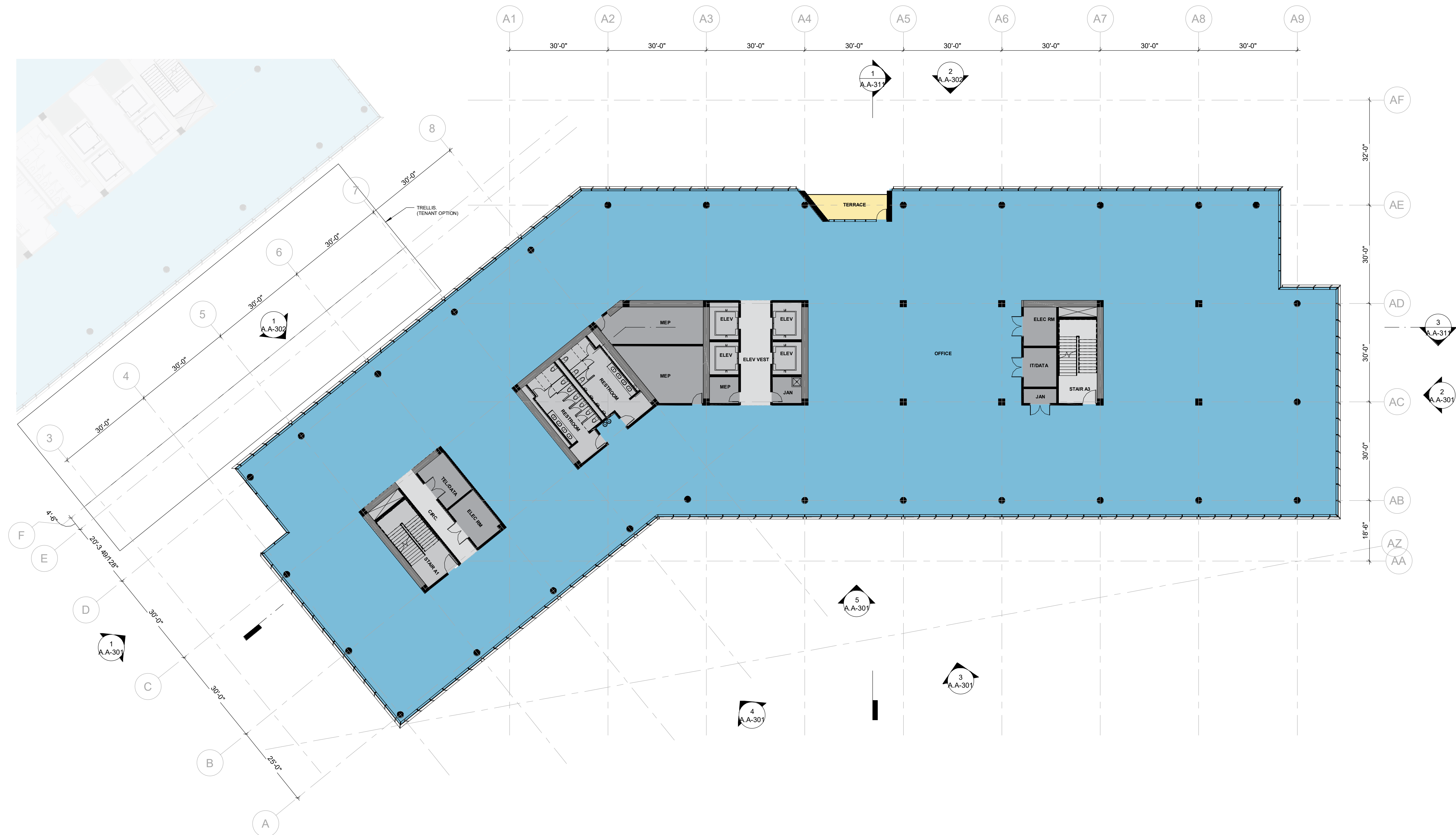
06/03/20

PEERY PARK

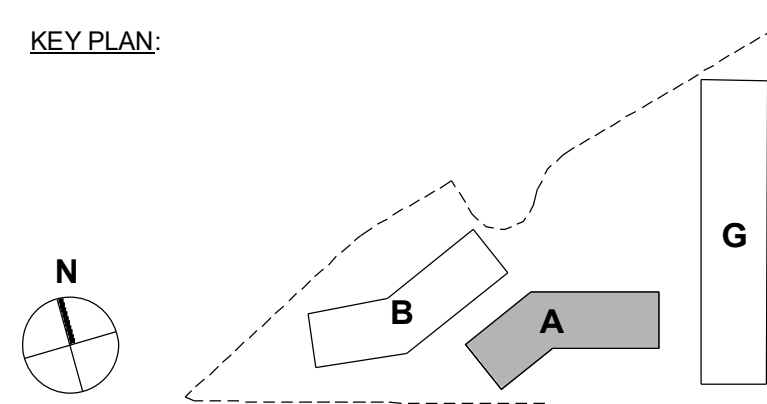


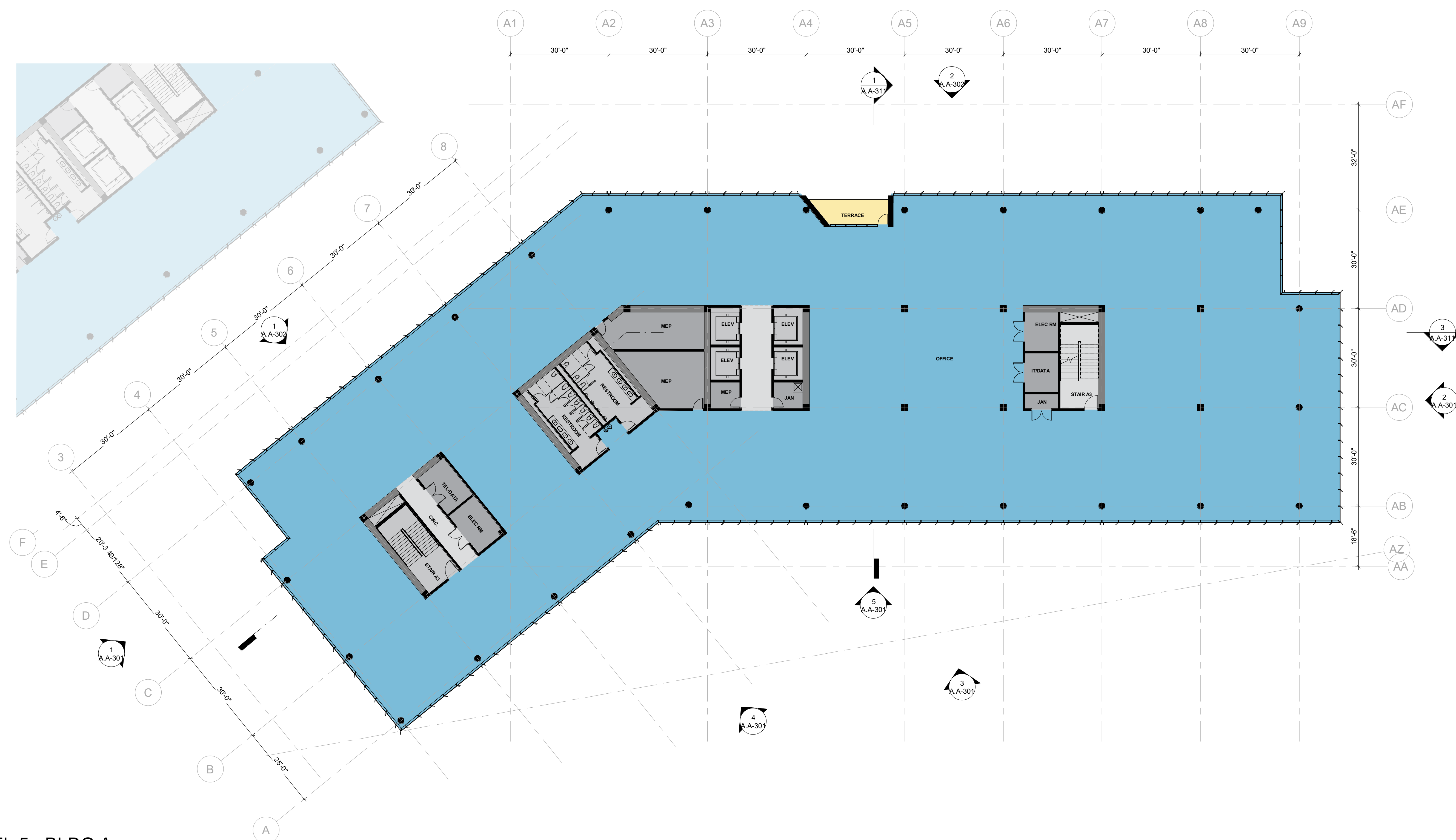
1 FLOOR PLAN - LEVEL 3 - BLDG A
1/16" = 1'-0"



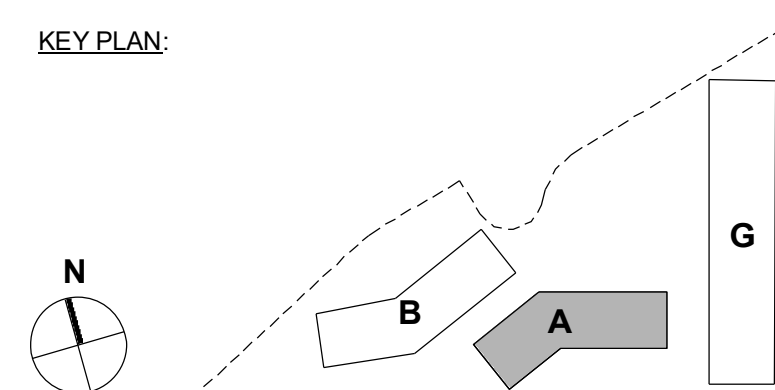


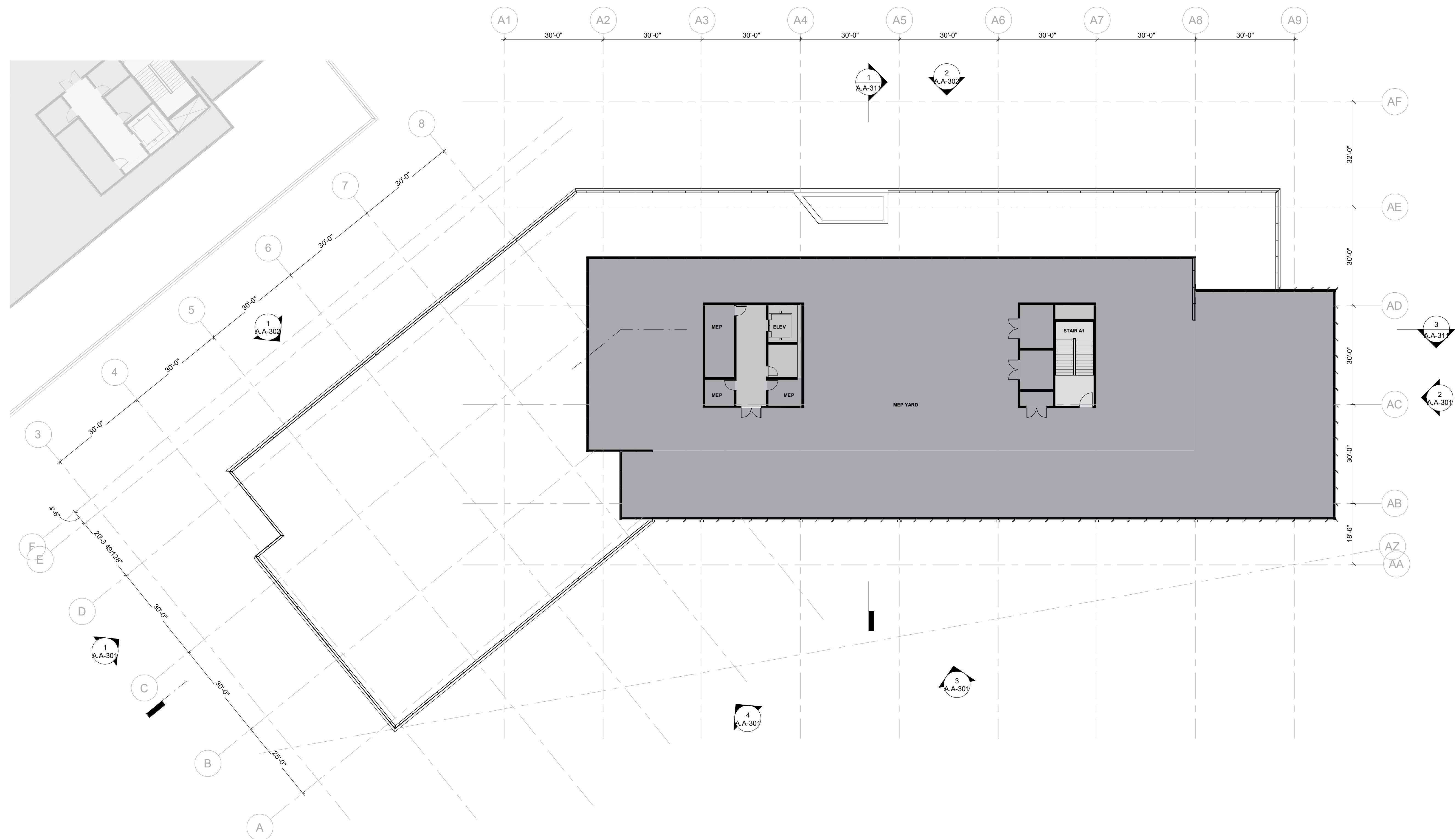
1 FLOOR PLAN - LEVEL 4 - BLDG A
1/16" = 1'-0"



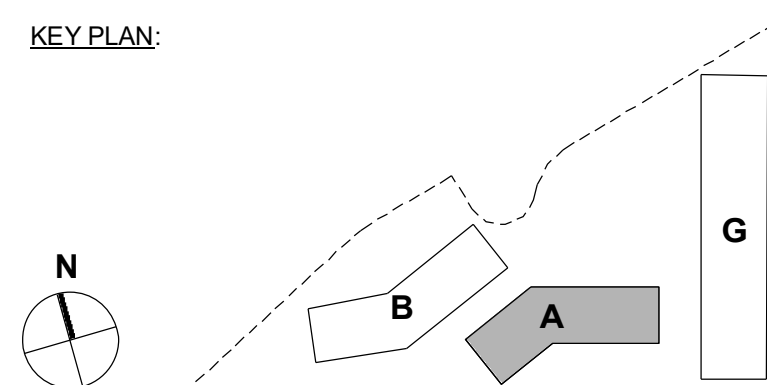


1 FLOOR PLAN - LEVEL 5 - BLDG A
1/16" = 1'-0"





KEY PLAN:



06/03/20

PEERY PARK

FLOOR PLAN - BUILDING A - ROOF LEVEL
PROJECT #: 18024.00

A.A-106
SCALE: 1/16" = 1'-0"



1 ELEVATION - BUILDING A - WEST
1/16" = 1'-0"

PENTHOUSE 86'-0"
PARAPET 79'-6"
ROOF 76'-0"
FF LEVEL 5 61'-6"
FF LEVEL 4 47'-0"
FF LEVEL 3 32'-6"
FF LEVEL 2 18'-0"
FF LEVEL 1 0'



2 ELEVATION - BUILDING A - EAST
1/16" = 1'-0"

PENTHOUSE 86'-0"
PARAPET 79'-6"
ROOF 76'-0"
FF LEVEL 5 61'-6"
FF LEVEL 4 47'-0"
FF LEVEL 3 32'-6"
FF LEVEL 2 18'-0"
FF LEVEL 1 0'

#	KEYNOTE LEGEND
C-3	TEXTURED FIBER CEMENT PANEL
GL-1	CLEAR VISION GLASS
GL-2	SHADOW BOX GLASS
MTL-1	CLEAR ANODIZED ALUMINUM
MTL-3	CHAMPAGNE ANODIZED ALUMINUM



3 ELEVATION - BUILDING A - SOUTH
1/16" = 1'-0"

PENTHOUSE 86'-0"
PARAPET 79'-6"
ROOF 76'-0"
FF LEVEL 5 61'-6"
FF LEVEL 4 47'-0"
FF LEVEL 3 32'-6"
FF LEVEL 2 18'-0"
FF LEVEL 1 0'



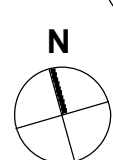
4 ELEVATION - BUILDING A - SOUTH (WEST WING)
1/16" = 1'-0"

PENTHOUSE 86'-0"
PARAPET 79'-6"
ROOF 76'-0"
FF LEVEL 5 61'-6"
FF LEVEL 4 47'-0"
FF LEVEL 3 32'-6"
FF LEVEL 2 18'-0"
FF LEVEL 1 0'



5 ELEVATION - BUILDING A - SOUTH (EAST WING)
1/16" = 1'-0"

PENTHOUSE 86'-0"
PARAPET 79'-6"
ROOF 76'-0"
FF LEVEL 5 61'-6"
FF LEVEL 4 47'-0"
FF LEVEL 3 32'-6"
FF LEVEL 2 18'-0"
FF LEVEL 1 0'



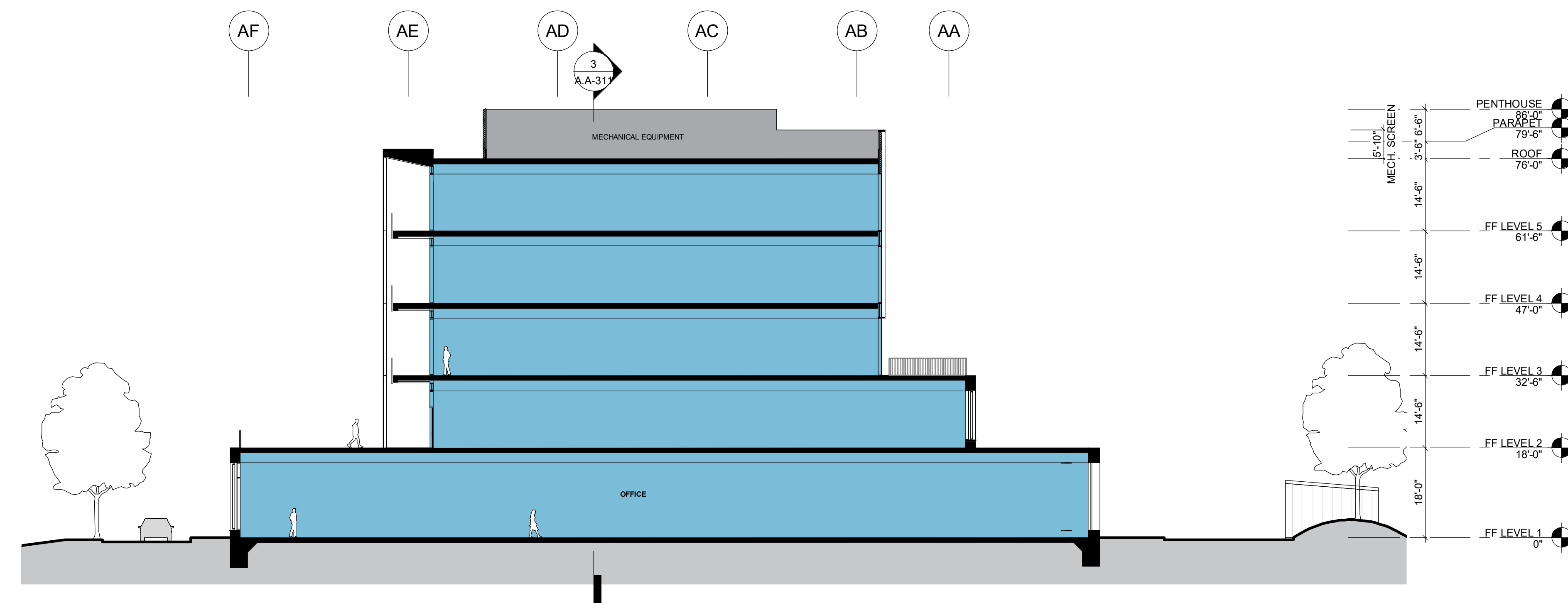
KEYNOTE LEGEND	
C-3	TEXTURED FIBER CEMENT PANEL
GL-1	CLEAR VISION GLASS
GL-2	SHADOW BOX GLASS
MTL-1	CLEAR ANODIZED ALUMINUM
MTL-3	CHAMPAGNE ANODIZED ALUMINUM
WD-1	WOOD SIDING



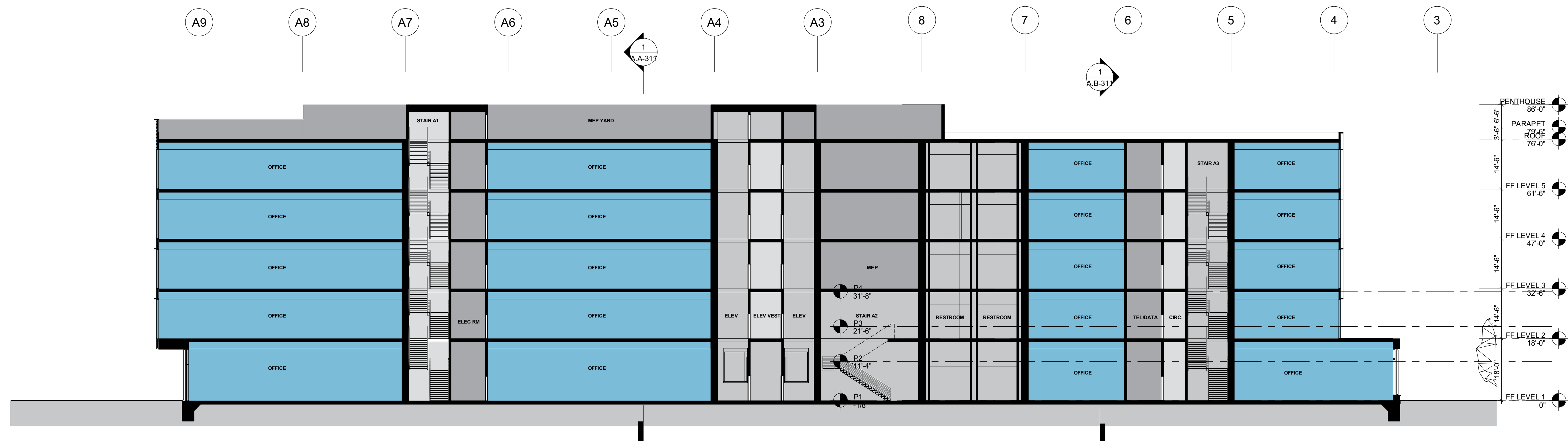
1 ELEVATION - BUILDING A - NORTHWEST
1/16" = 1'-0"



2 ELEVATION - BUILDING A - NORTH
1/16" = 1'-0"

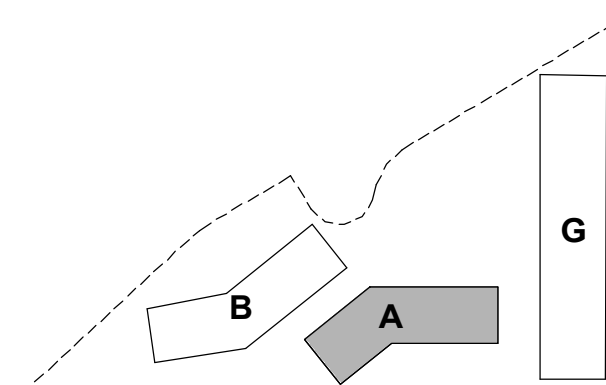


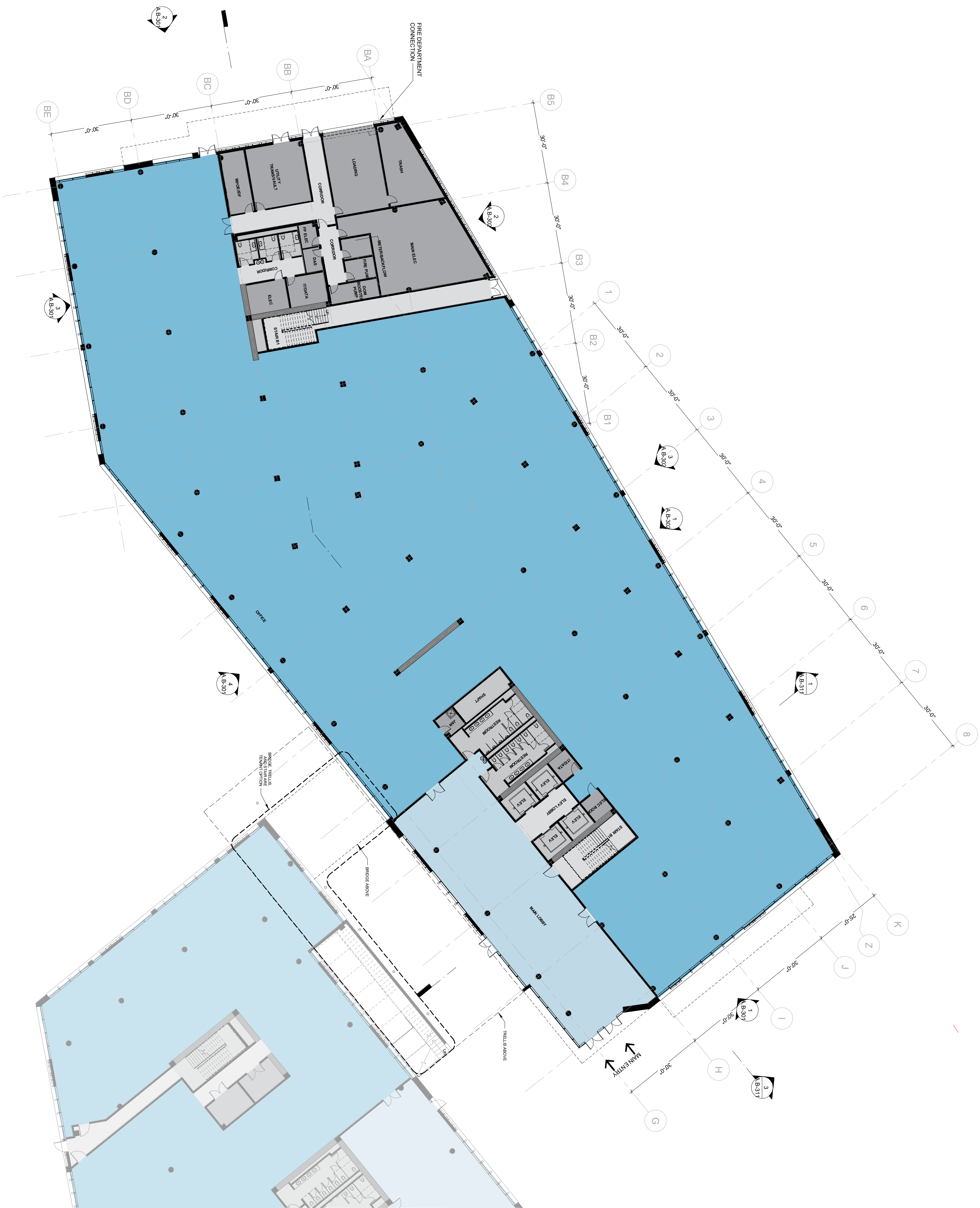
1 SECTION - BUILDING A-1
1/16" = 1'-0"

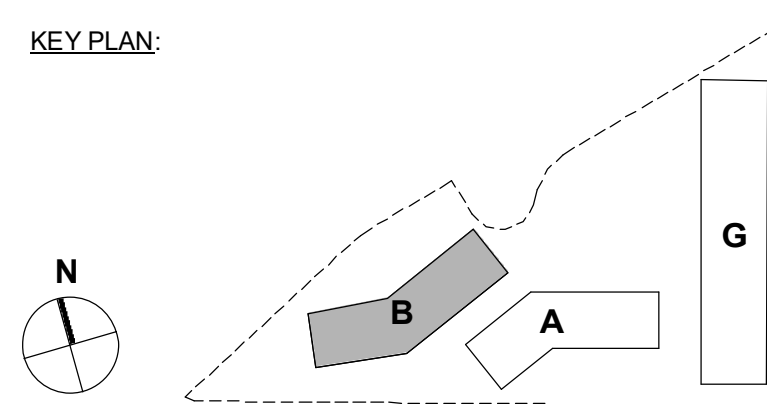
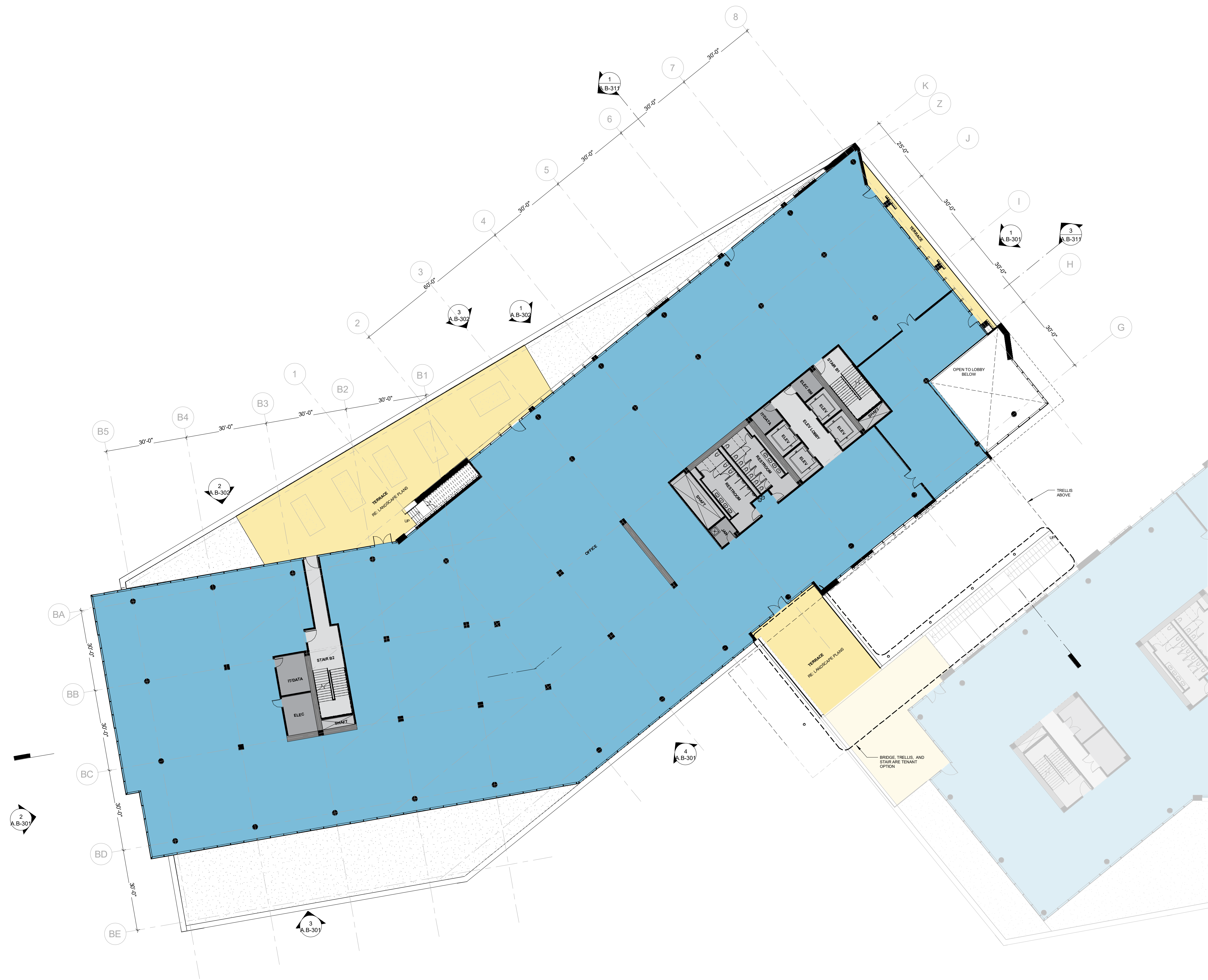


3 SECTION - BUILDING A-2
1/16" = 1'-0"

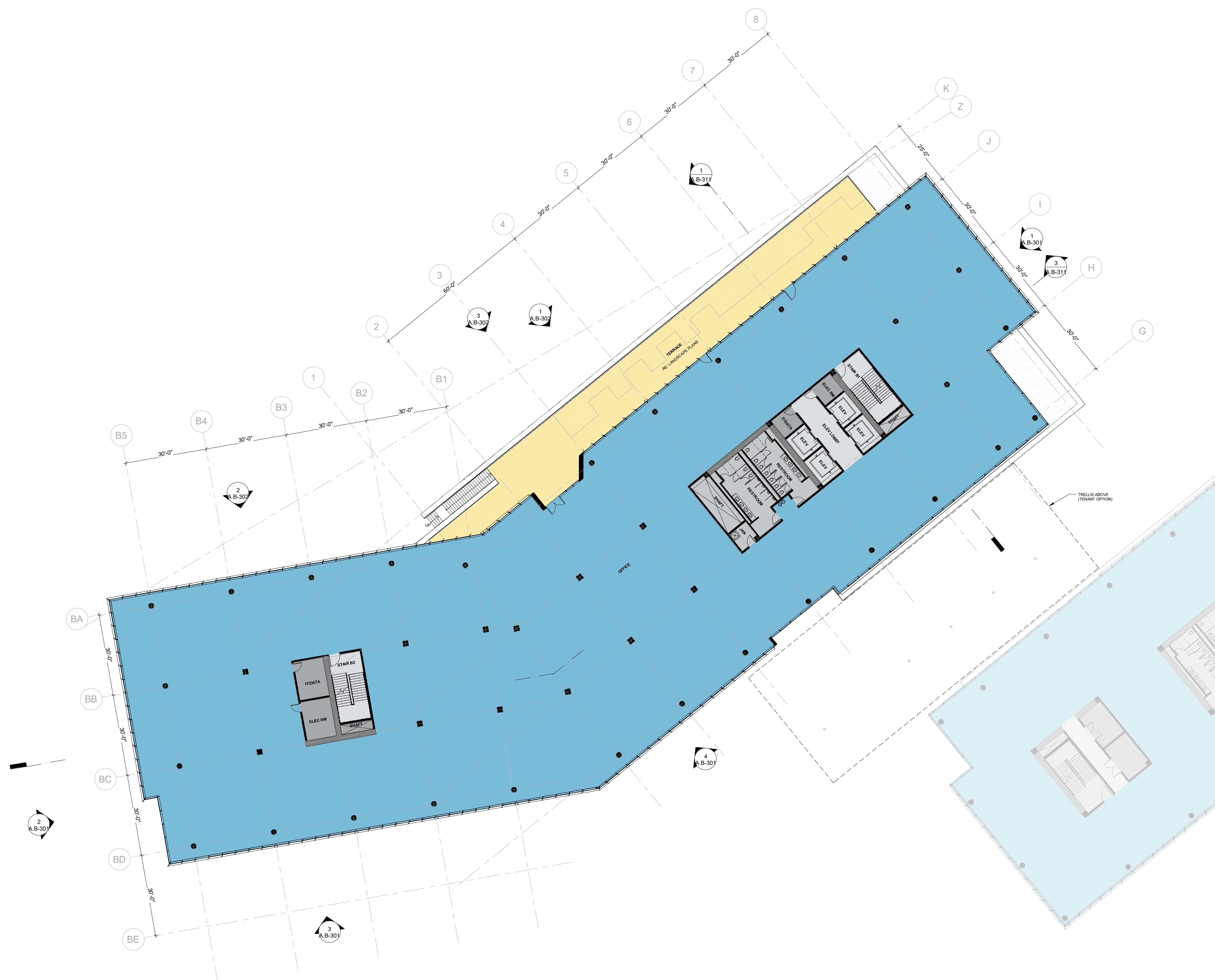
KEY PLAN:



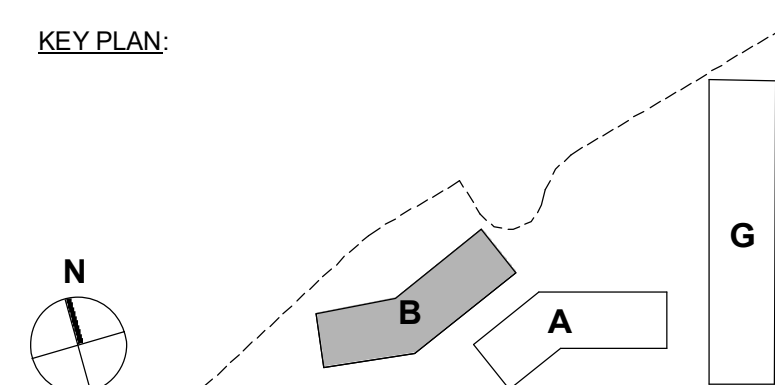


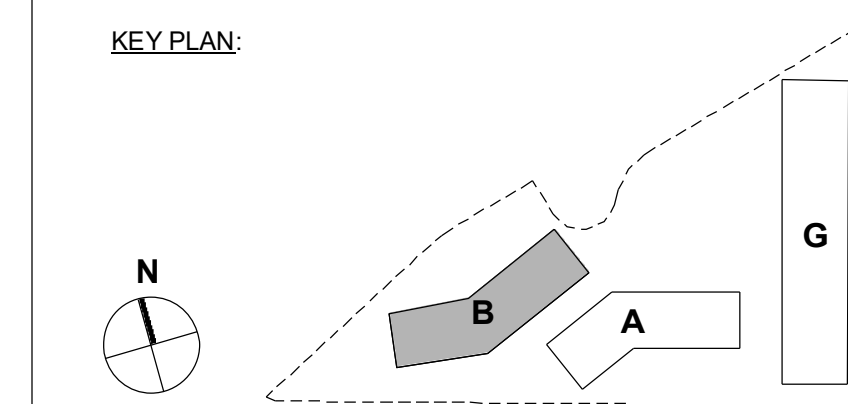
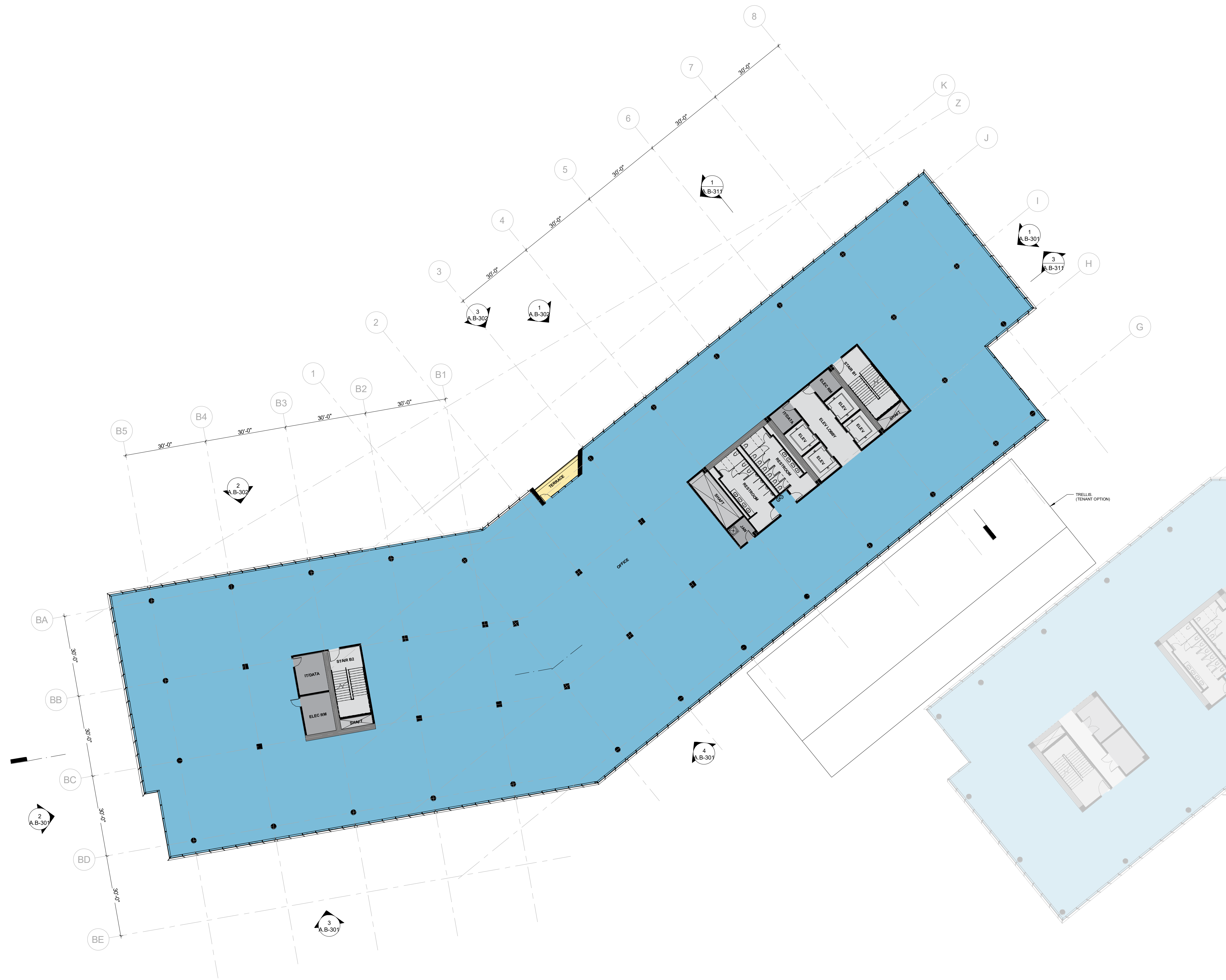


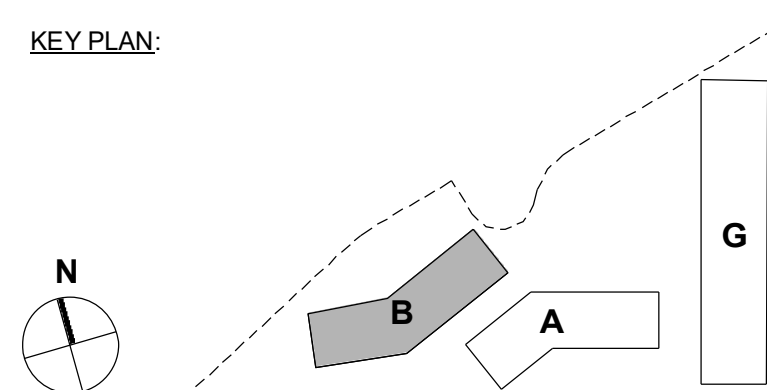
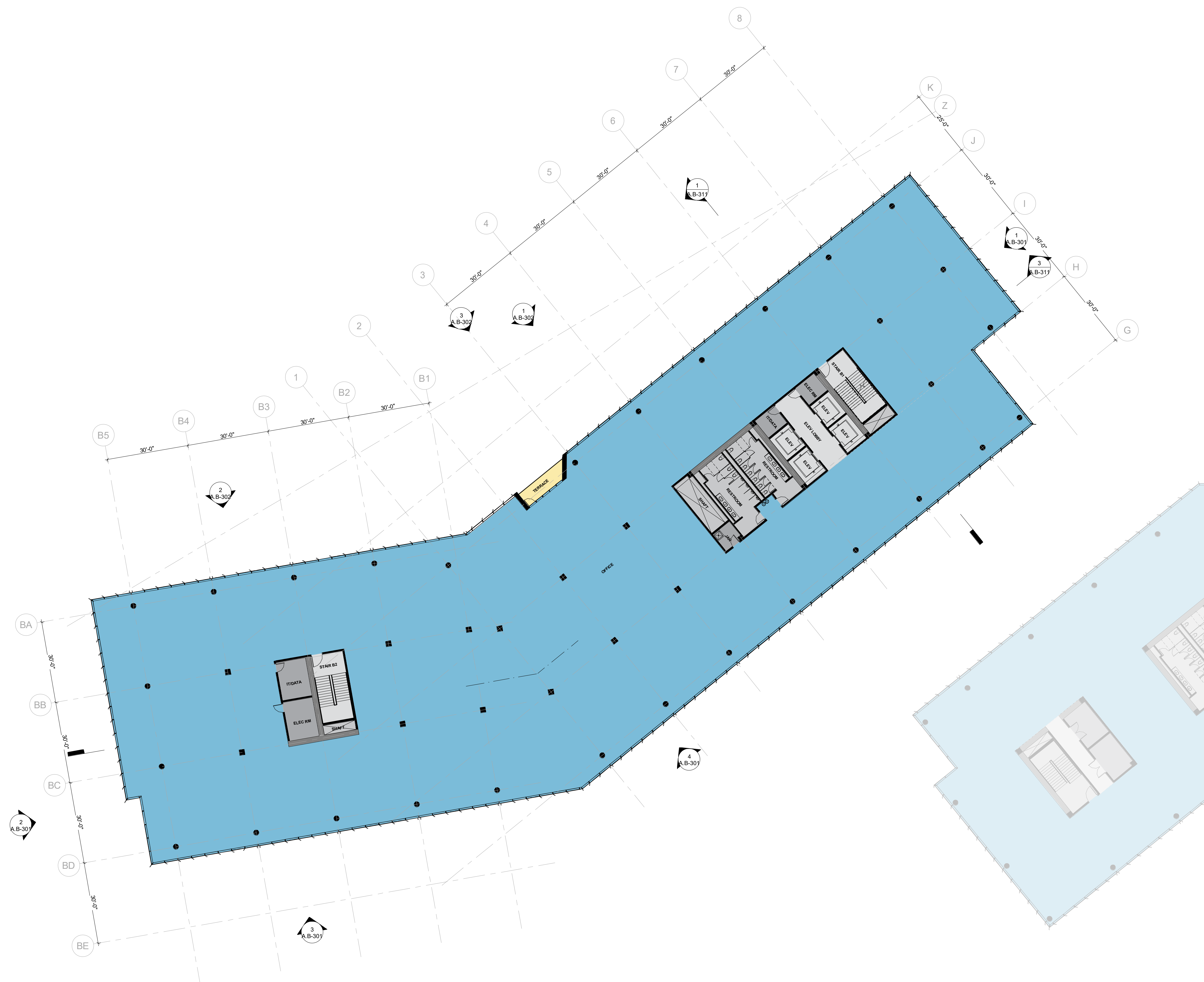
1 FLOOR PLAN - LEVEL 2 - BLDG B
1/16" = 1'-0"



KEY PLAN:

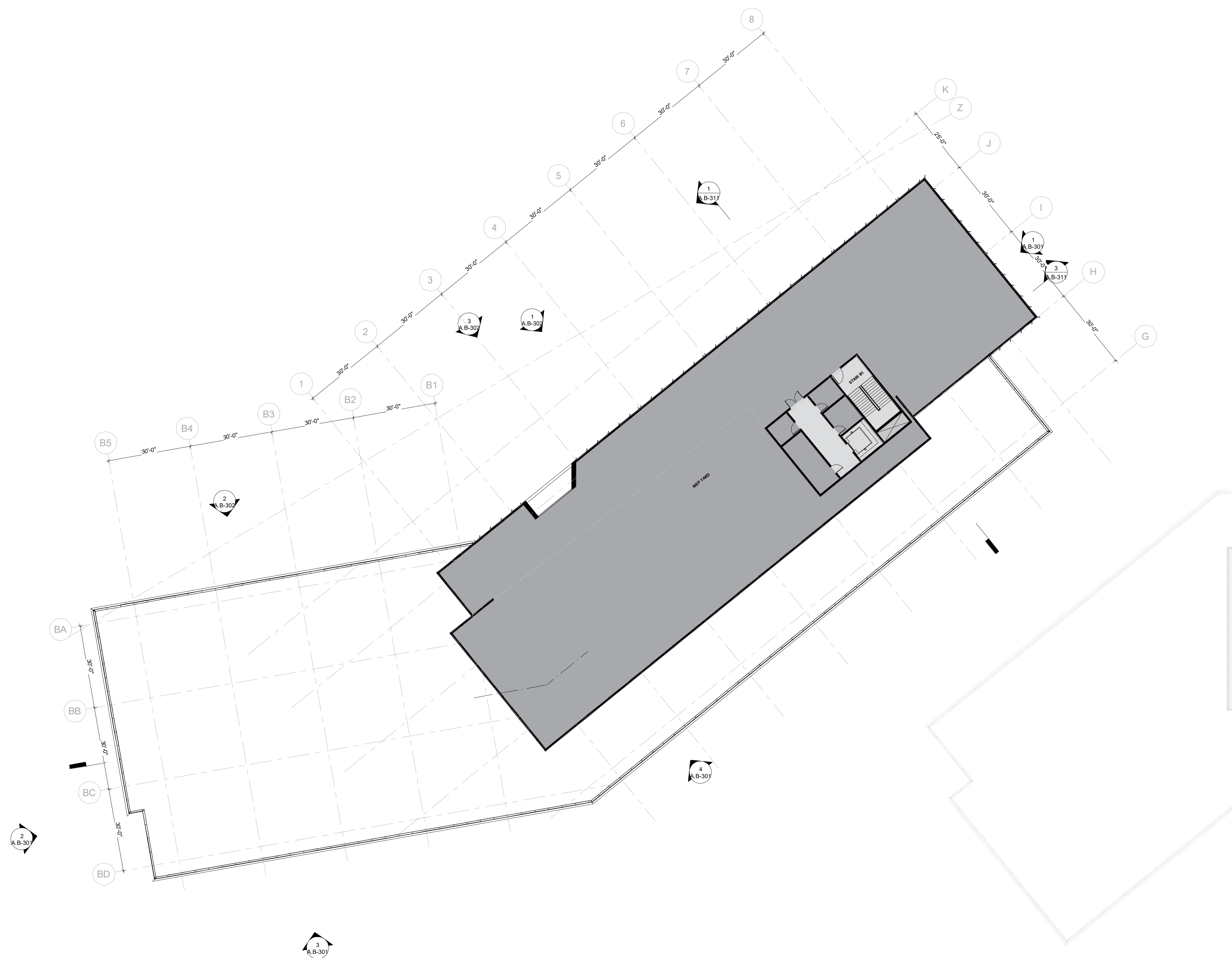




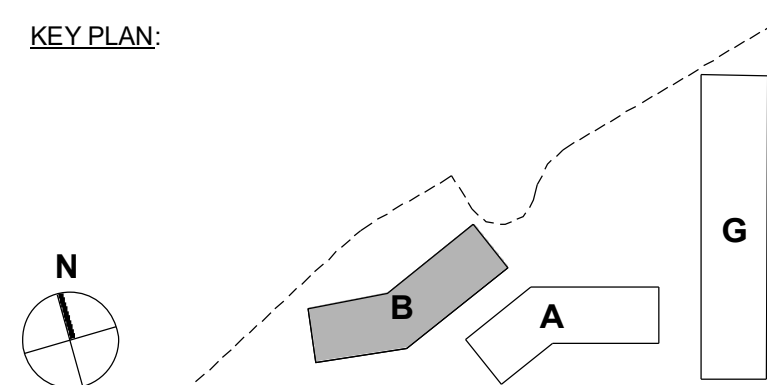


06/03/20

PEERY PARK



KEY PLAN:



06/03/20

PEERY PARK

FLOOR PLAN - BUILDING B - ROOF LEVEL

A.B-106

PROJECT #: 18024.00

SCALE: 1/16" = 1'-0"



1 ELEVATION - BUILDING B - EAST
1/16" = 1'-0"



2 ELEVATION - BUILDING B - WEST
1/16" = 1'-0"



3 ELEVATION - BUILDING B - SOUTH
1/16" = 1'-0"



4 ELEVATION - BUILDING B - SOUTHEAST
1/16" = 1'-0"

#	KEYNOTE LEGEND
C-1	BOARD FORMED CONCRETE
GL-1	CLEAR VISION GLASS
GL-2	SHADOW BOX GLASS
MTL-3	CHAMPAGNE ANODIZED ALUMINUM
WD-1	WOOD SIDING

KEYNOTE LEGEND	
C-3	TEXTURED FIBER CEMENT PANEL
GL-1	CLEAR VISION GLASS
GL-2	SHADOW BOX GLASS
MTL-1	CLEAR ANODIZED ALUMINUM
MTL-3	CHAMPAGNE ANODIZED ALUMINUM



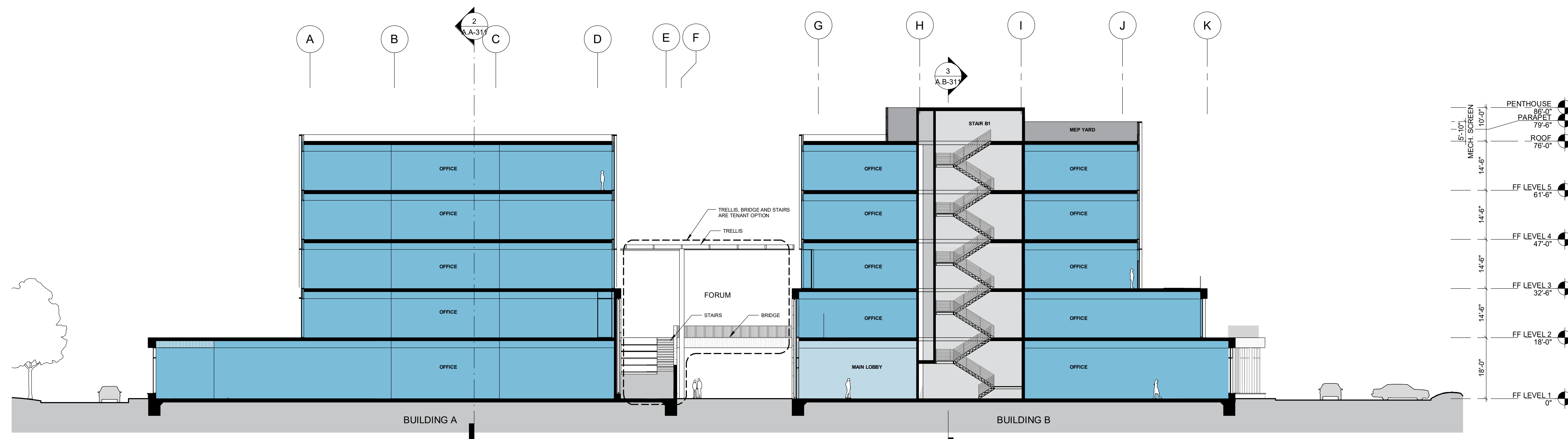
1 ELEVATION - BUILDING B - NORTH (EAST WING)
1/16" = 1'-0"



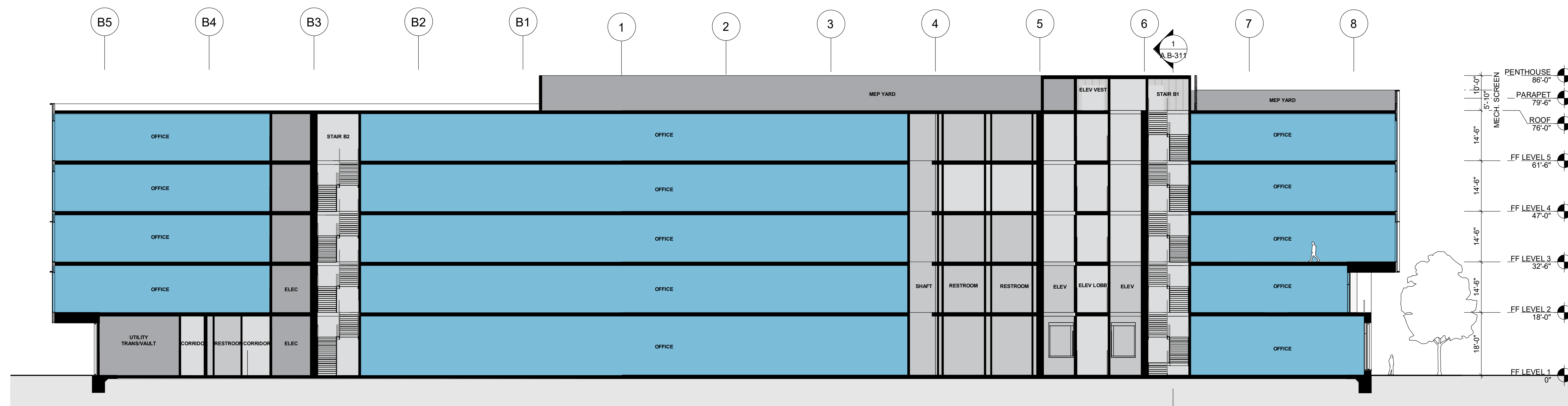
2 ELEVATION - BUILDING B - NORTH (WEST WING)
1/16" = 1'-0"



3 ELEVATION - BUILDING B - NORTH
1/16" = 1'-0"

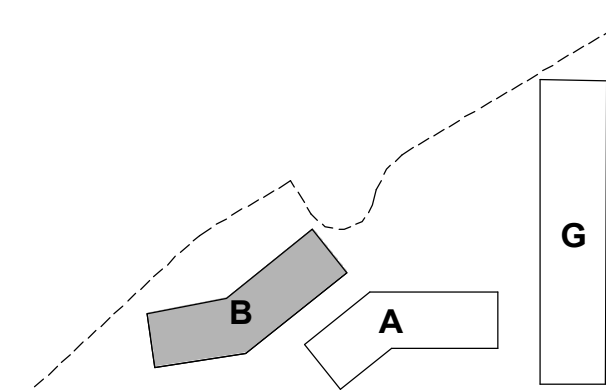


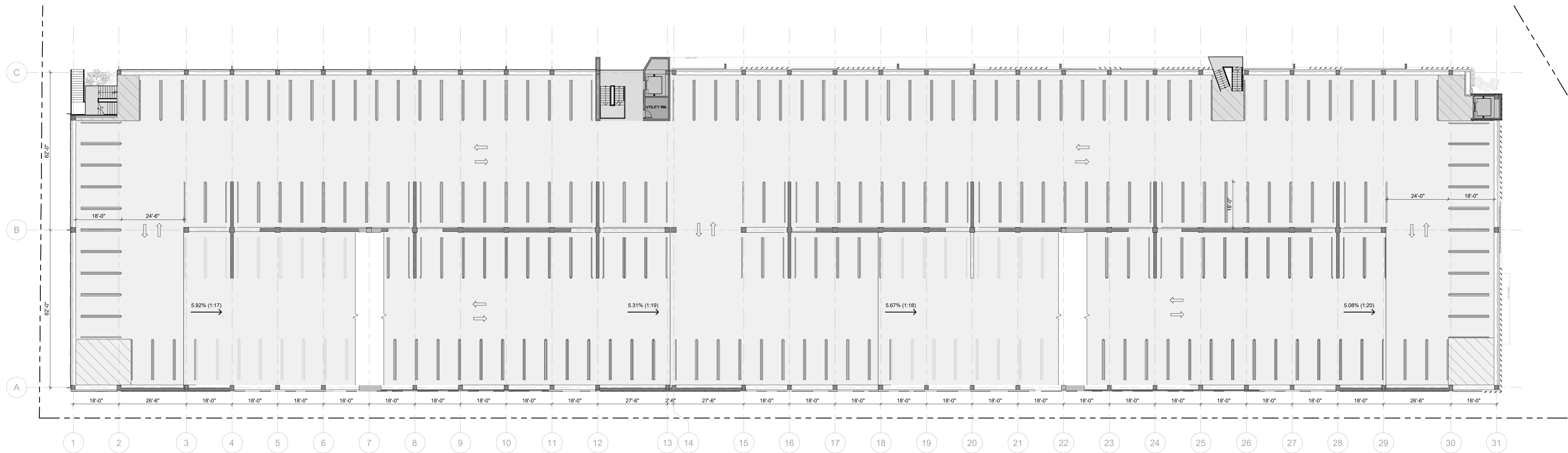
1 SECTION - BUILDING B-1
1/16" = 1'-0"



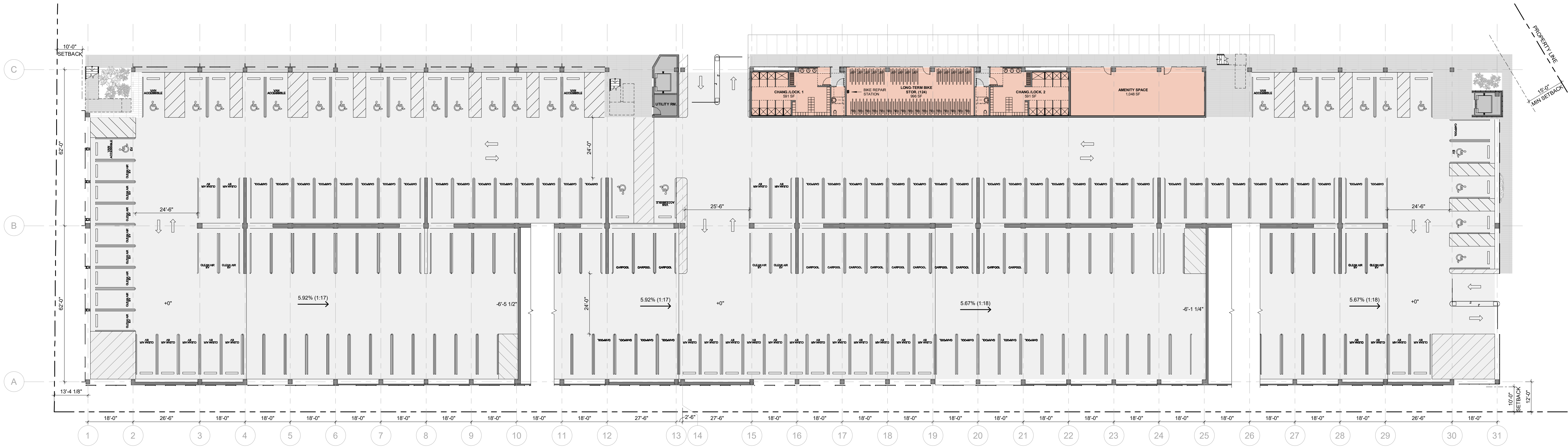
3 SECTION - BUILDING B-2
1/16" = 1'-0"

KEY PLAN:





2 FLOOR PLAN - TYP. FLOOR
1/16" = 1'-0"



1 FLOOR PLAN - LEVEL P1
1/16" = 1'-0"

PARKING STALLS NOTES:

- ALL STANDARD SPACES TO BE 8'-6" x 18'-0"
- DOUBLE LINES, 12" APART MEASURED FROM CENTER AND 4" WIDE TO MARK THE SIDES OF EACH SPACE
- LINES ARE 16" LONG WITH ROUNDED RADIUS ENDS

PARKING COUNT

• LEVEL P1	247 STALLS
• LEVEL P2	234 STALLS
• LEVEL P3	234 STALLS
• LEVEL P4	232 STALLS
• LEVEL P5	239 STALLS
• LEVEL P6	75 STALLS
• PARKING GARAGE TOTAL:	1,261 STALLS
• SURFACE (VISITOR PARKING)	30 STALLS
• PROJECT TOTAL:	1,291 STALLS

PARKING CALCULATIONS

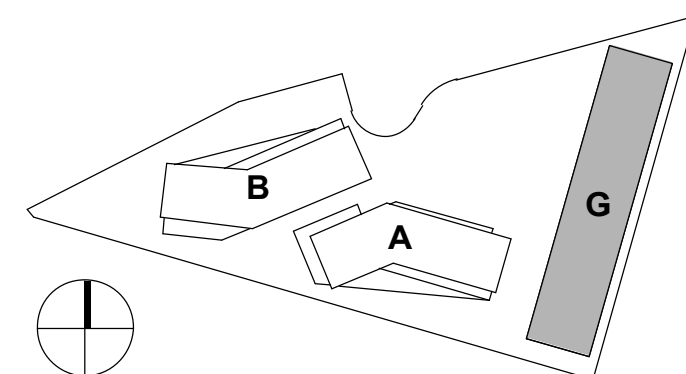
- OFFICE GROSS SQUARE FOOTAGE: 391,131 GSF
- OFFICE LEASABLE AREA @ 90% EFFICIENCY: 352,017 LSF
- OCCUPANTS / FTE: 3,520 FTE
- **PARKING STALLS PROVIDED:** 1,291 STALLS (3.3 /1,000 SF)
- PARKING REQUIREMENTS (MIN: 3.3/1,000 SF - MAX: 4/1,000 SF)
- ADA PARKING STALLS REQ'D @ 2% OF TOTAL: 26 STALLS
- OF WHICH, VAN ACCESSIBLE REQ'D @ 1/6 OF ADA TOTAL: 5 STALLS
- LOW-EMITING, FUEL-EFFICIENT, EV @ 3% PER CALGREEN 5.106.5.2: 39 STALLS
- CARPOOL /VANPOOL @ 5% PER CALGREEN 5.106.5.2: 65 STALLS
- EV ADA PER CBC 11B-228.3.2.1: 1 STALL
- EV ADA VAN PER CBC 11B-228.3.2.1: 1 STALL

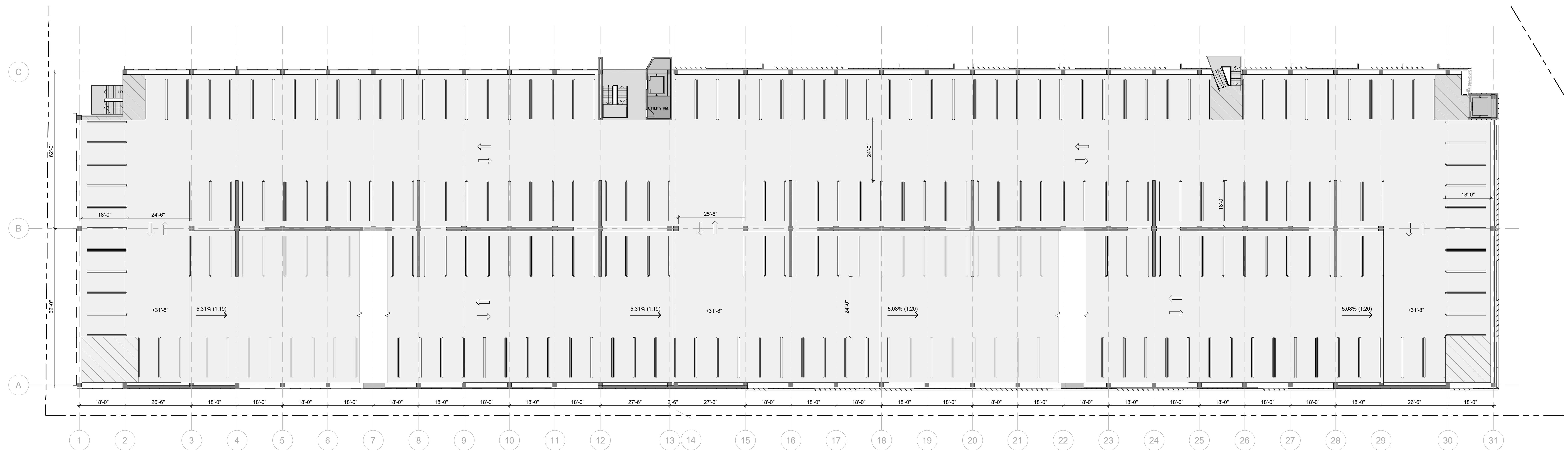
BIKE PARKING CALCULATIONS

- LONG-TERM BICYCLE PARKING **REQUIRED** @ 5% OF TENANT PARKING SPACES PER CALGREEN 5.106.4.1: 63 SPACES
- LONG-TERM BICYCLE PARKING **PROVIDED** (CLASS I SECURE): 124 SPACES
- SHORT-TERM BICYCLE PARKING **REQUIRED** @ 5% OF 30 VISITOR PARKING SPACES PER CALGREEN 5.106.4.1: 2 SPACES
- SHORT-TERM BICYCLE PARKING **PROVIDED** ON SITE (CLASS II): 20 SPACES

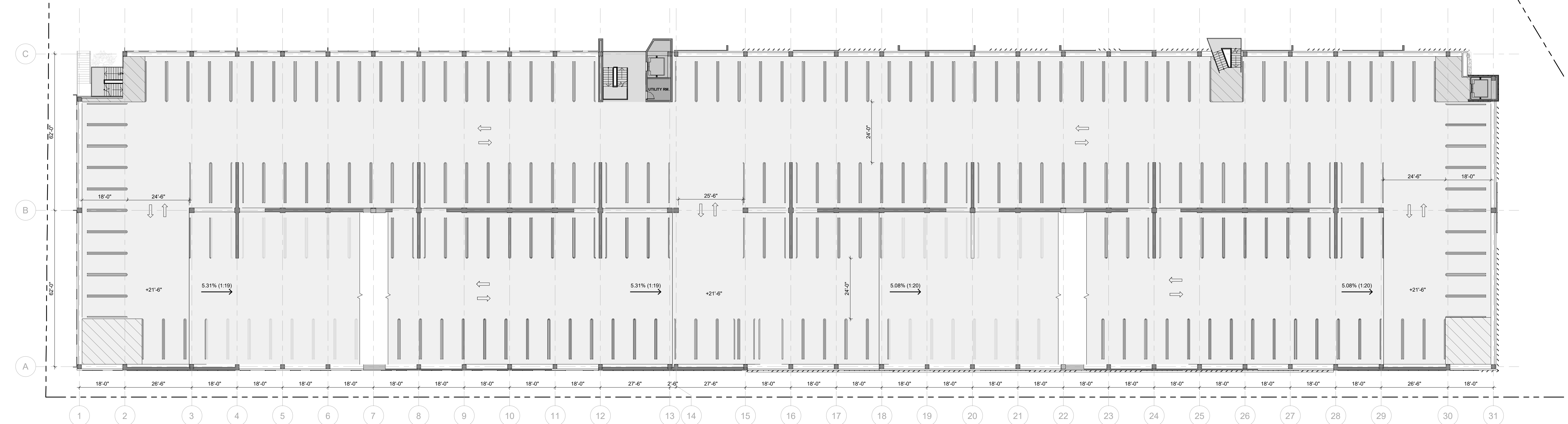
VOLUNTARY CALGREEN MEASURES

- SHOWER/ CHANGING STALLS **REQUIRED** FOR EACH 200 FTE, PER A5.106.4.3: 18 STALLS
- SHOWER/ CHANGING STALLS **PROVIDED**: 18 STALLS
- 2-TIER LOCKERS **REQUIRED** FOR EACH 50 FTE, PER A5.106.4.3: 70 LOCKERS
- 2-TIER LOCKERS **PROVIDED**: 74 LOCKERS

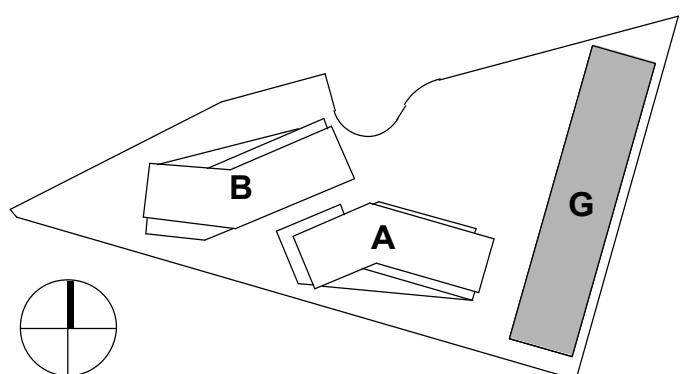




2 FLOOR PLAN - LEVEL P4
1/16" = 1'-0"

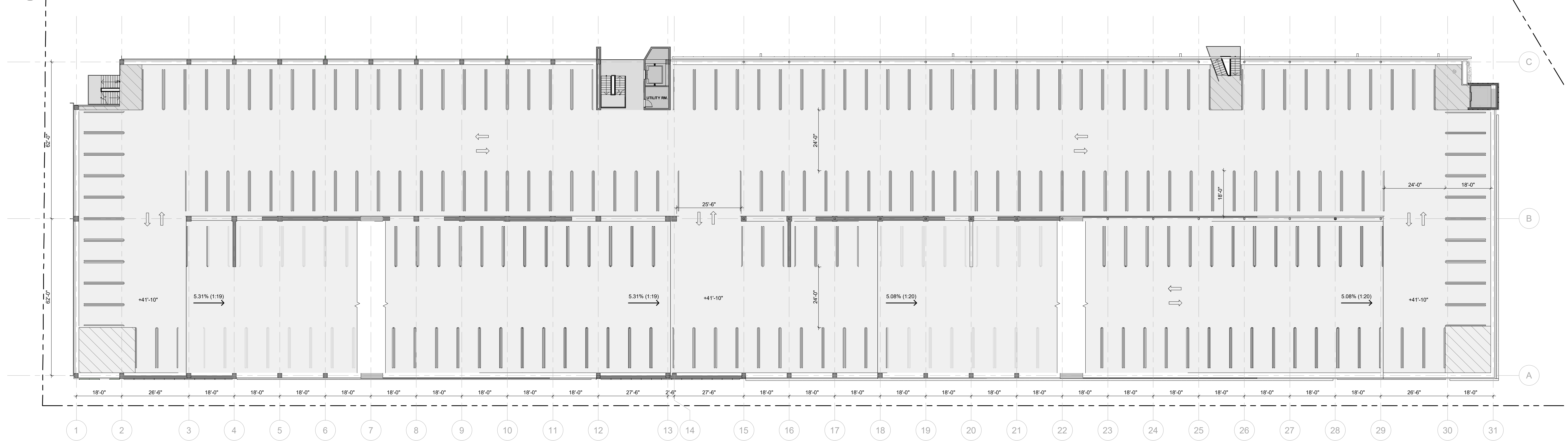


1 FLOOR PLAN - LEVEL P3
1/16" = 1'-0"

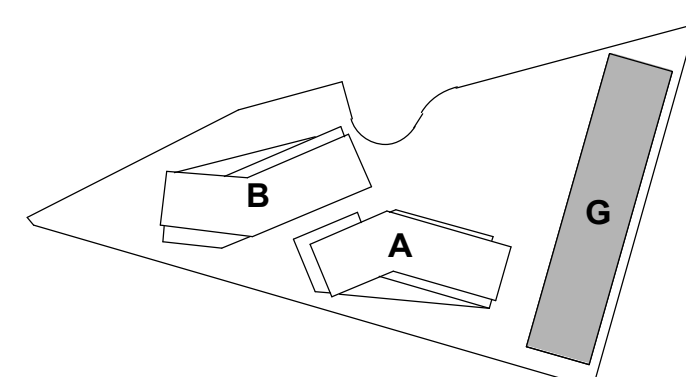




2 FLOOR PLAN - LEVEL P6
1/16" = 1'-0"



1 FLOOR PLAN - LEVEL P5
1/16" = 1'-0"





4 GARAGE - NORTH ELEVATION
1/16" = 1'-0"



3 GARAGE - SOUTH ELEVATION
1/16" = 1'-0"

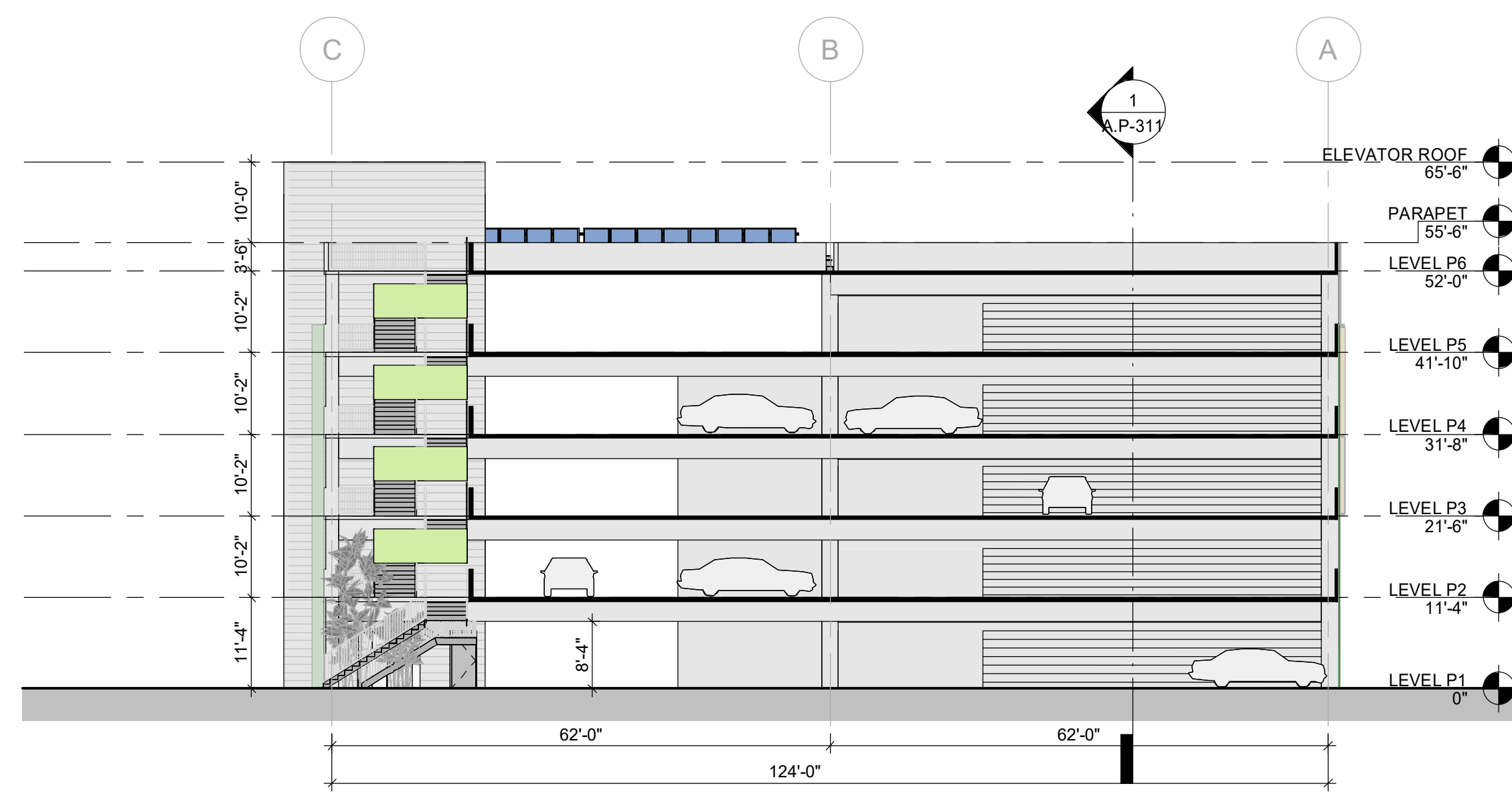


2 GARAGE - WEST ELEVATION
1/16" = 1'-0"

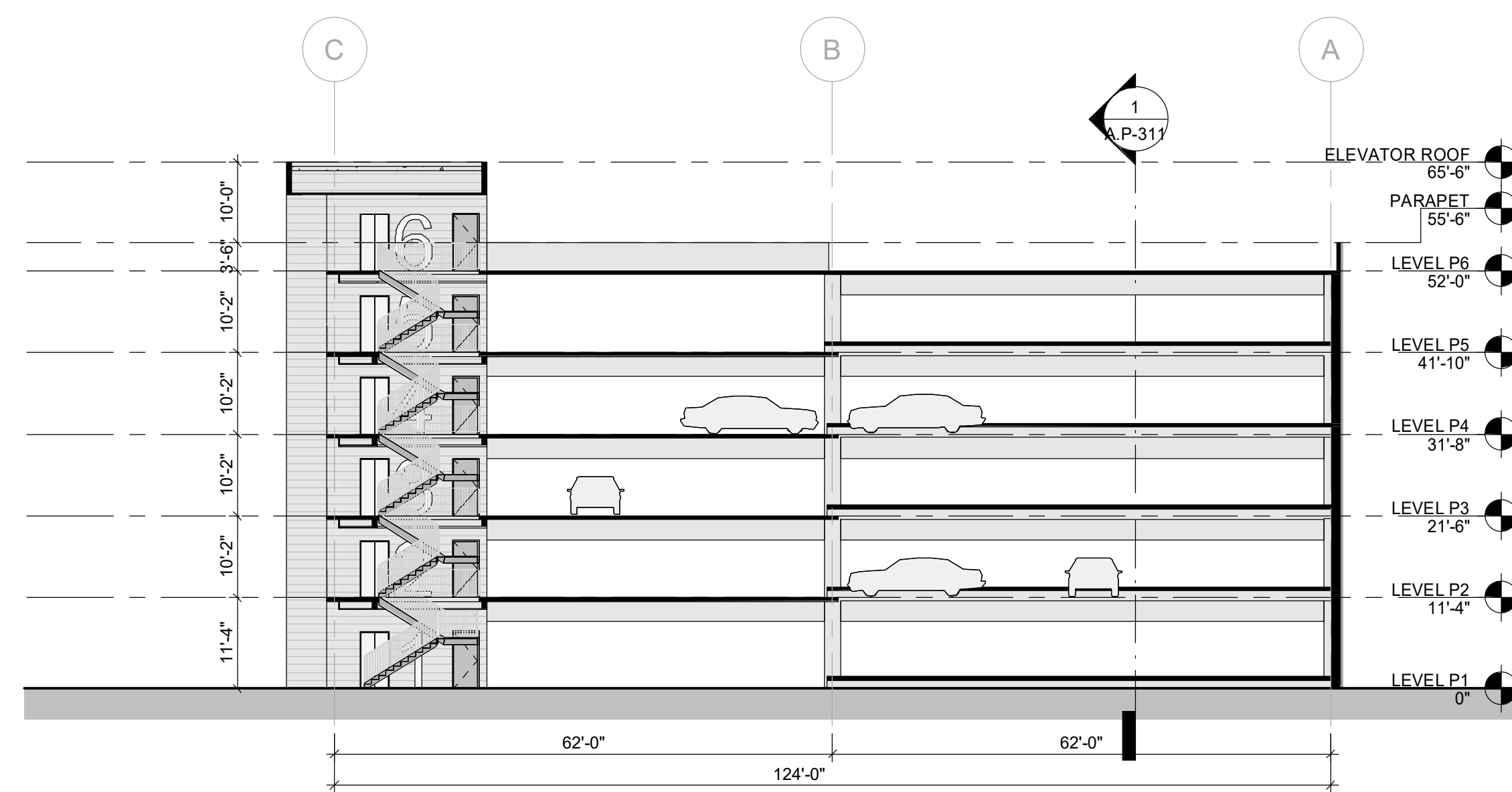


1 GARAGE - EAST ELEVATION
1/16" = 1'-0"

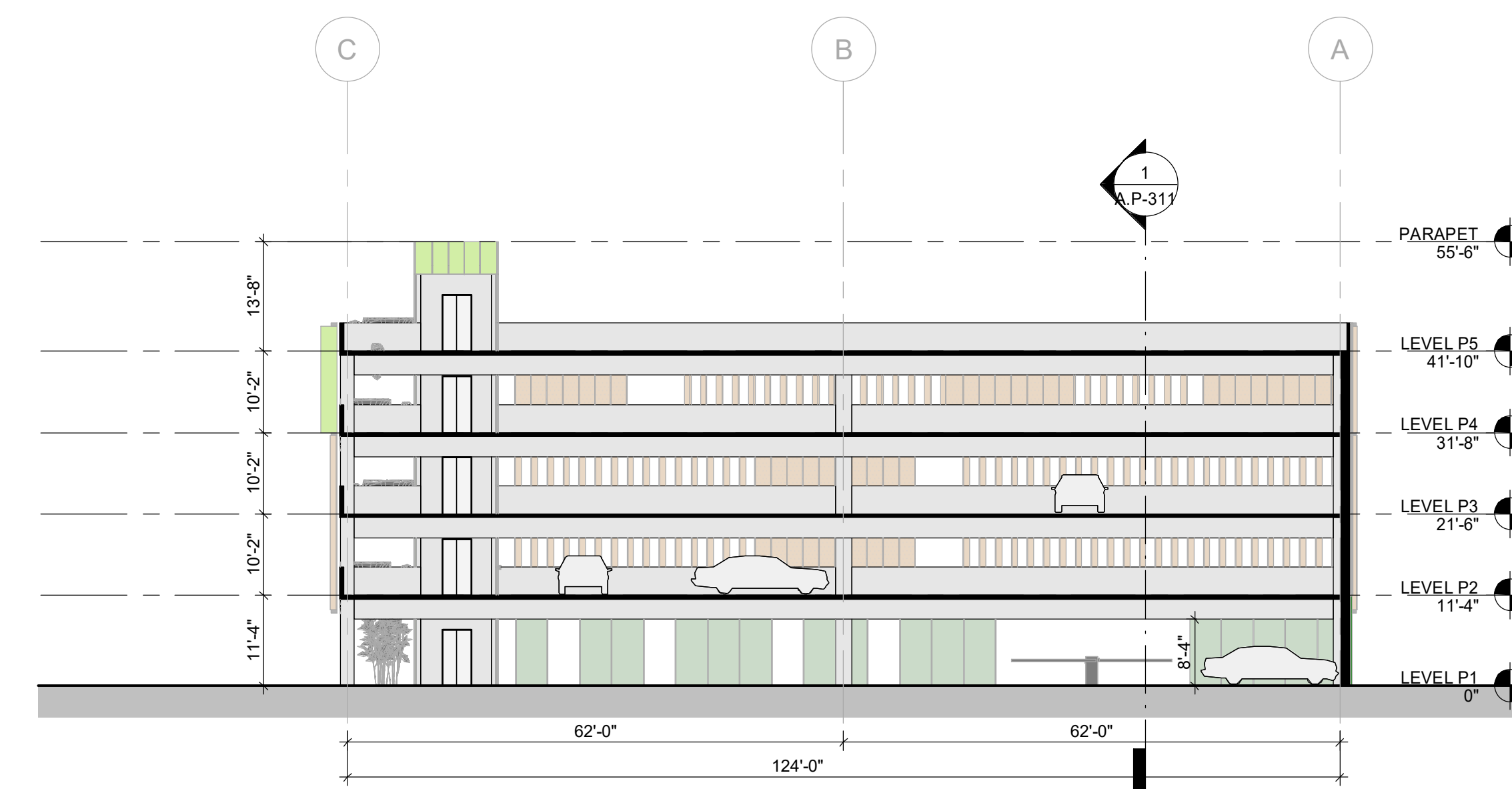




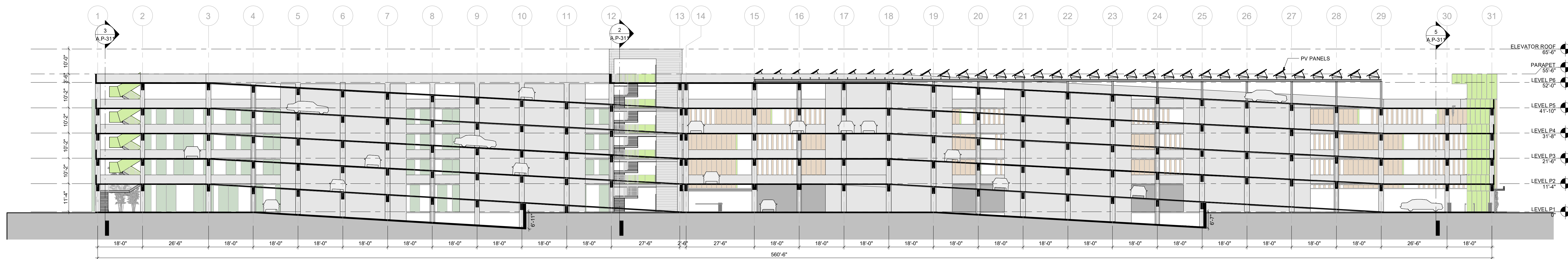
3 GARAGE - SECTION A1
1/16" = 1'-0"



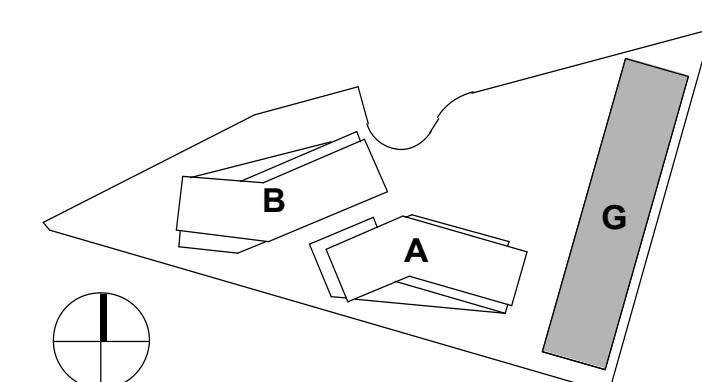
2 GARAGE - SECTION A2
1/16" = 1'-0"

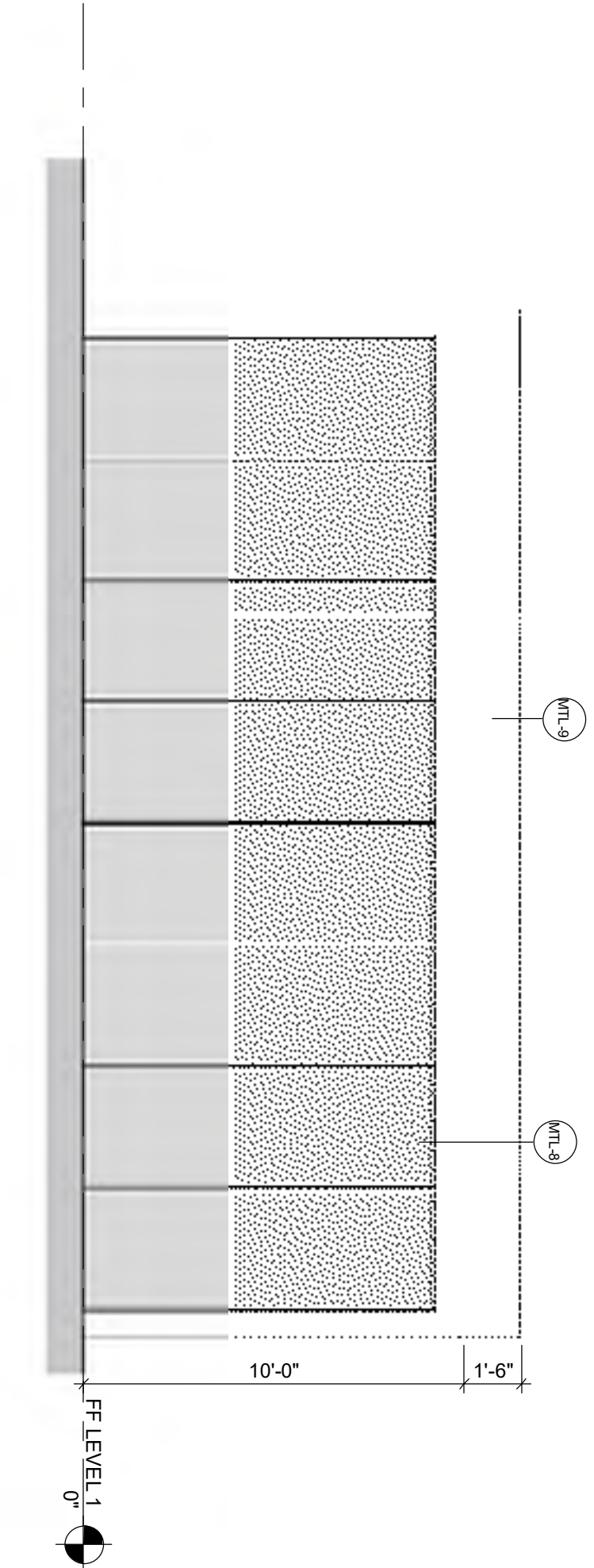


5 GARAGE - SECTION A3
1/16" = 1'-0"

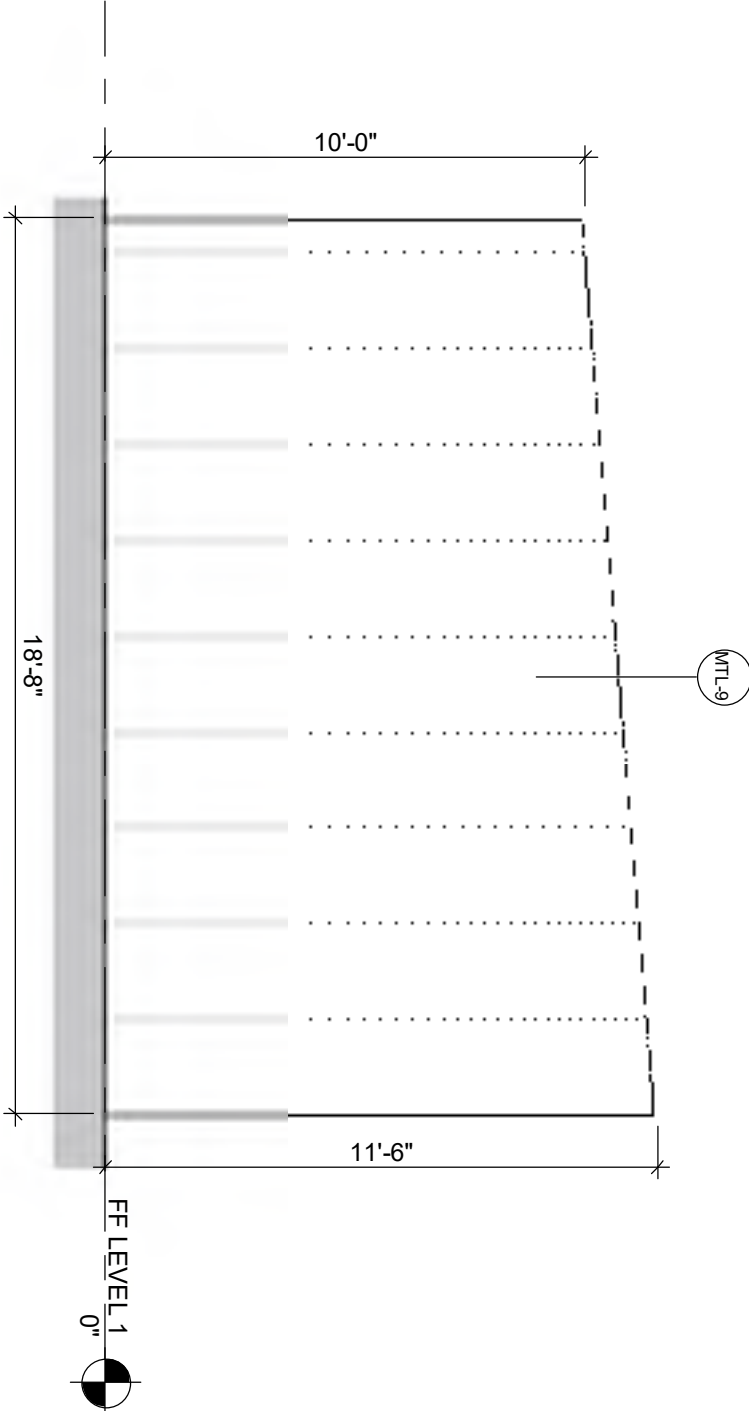


1 GARAGE - SECTION B1
1/16" = 1'-0"

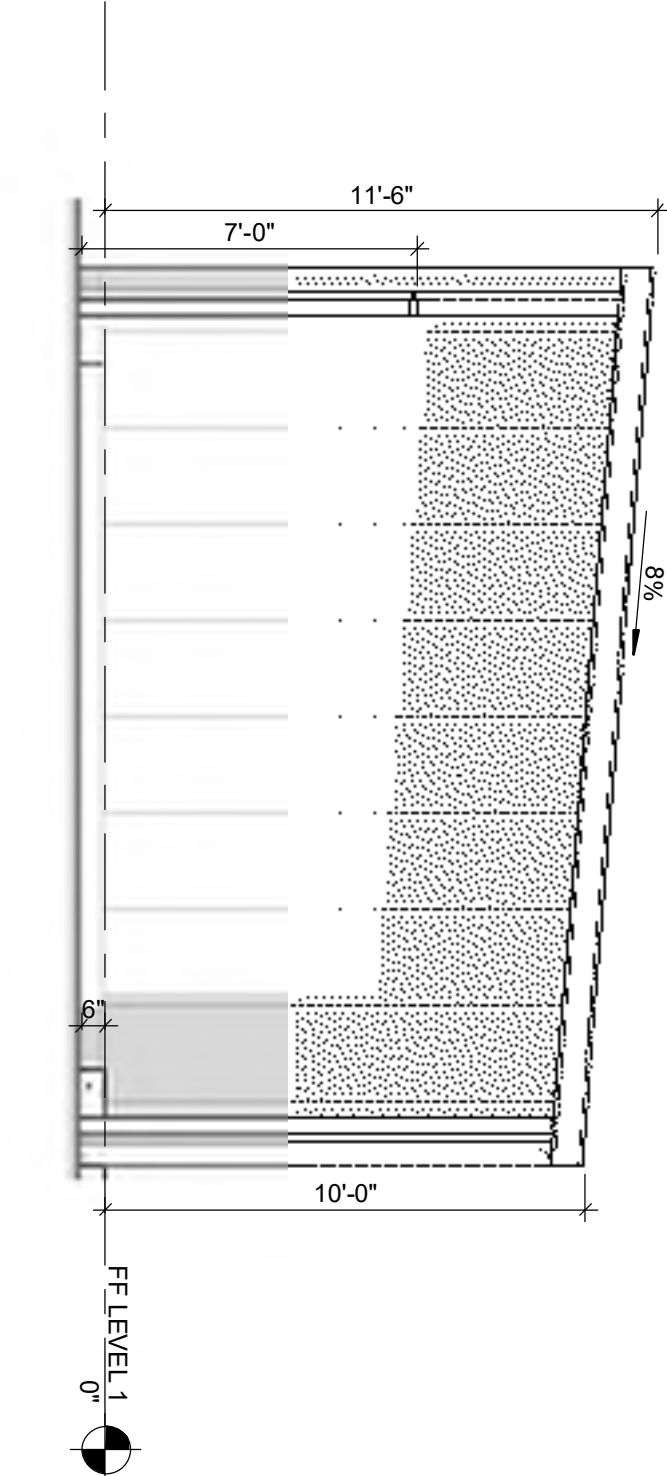




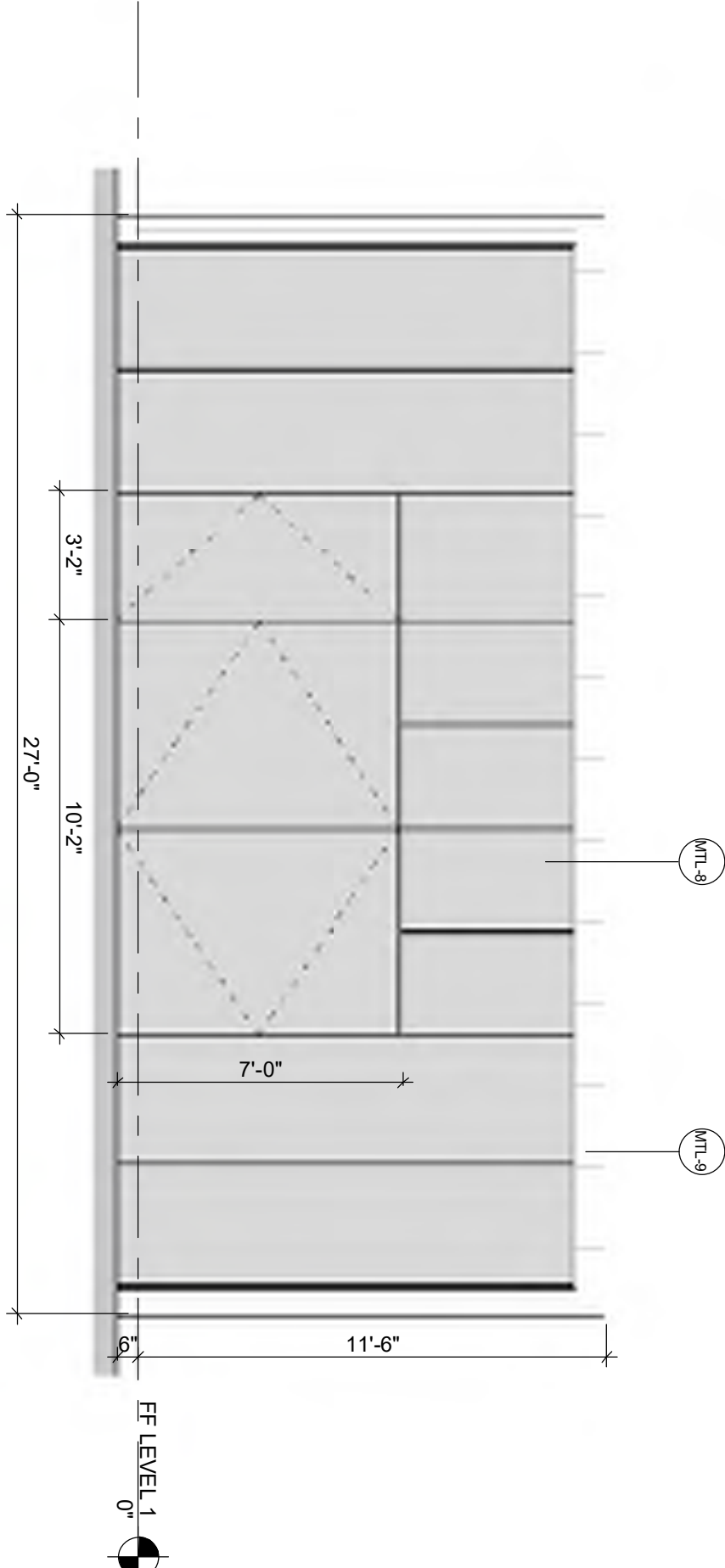
5 TRASH ENCLOSURE - SOUTH ELEVATION
1/4" = 1'-0"



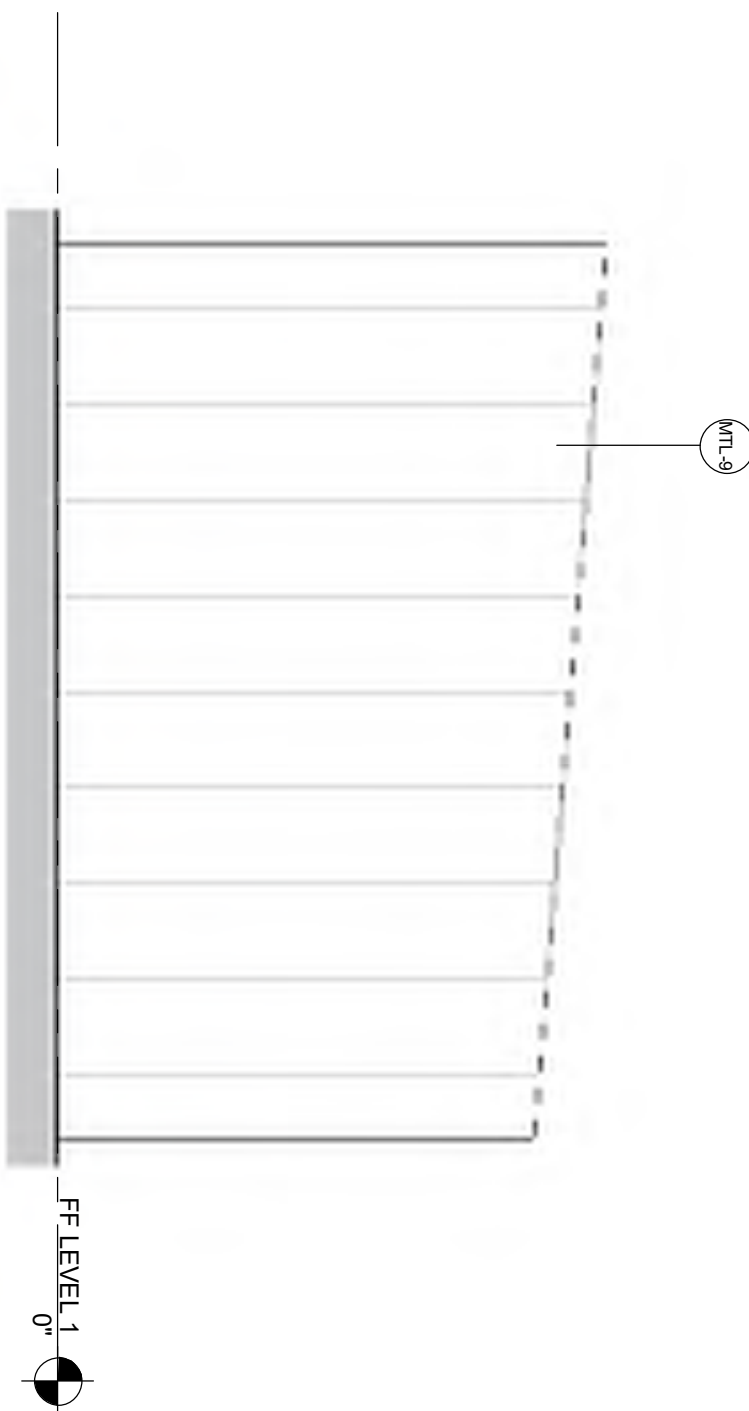
6 TRASH ENCLOSURE - EAST ELEVATION
1/4" = 1'-0"



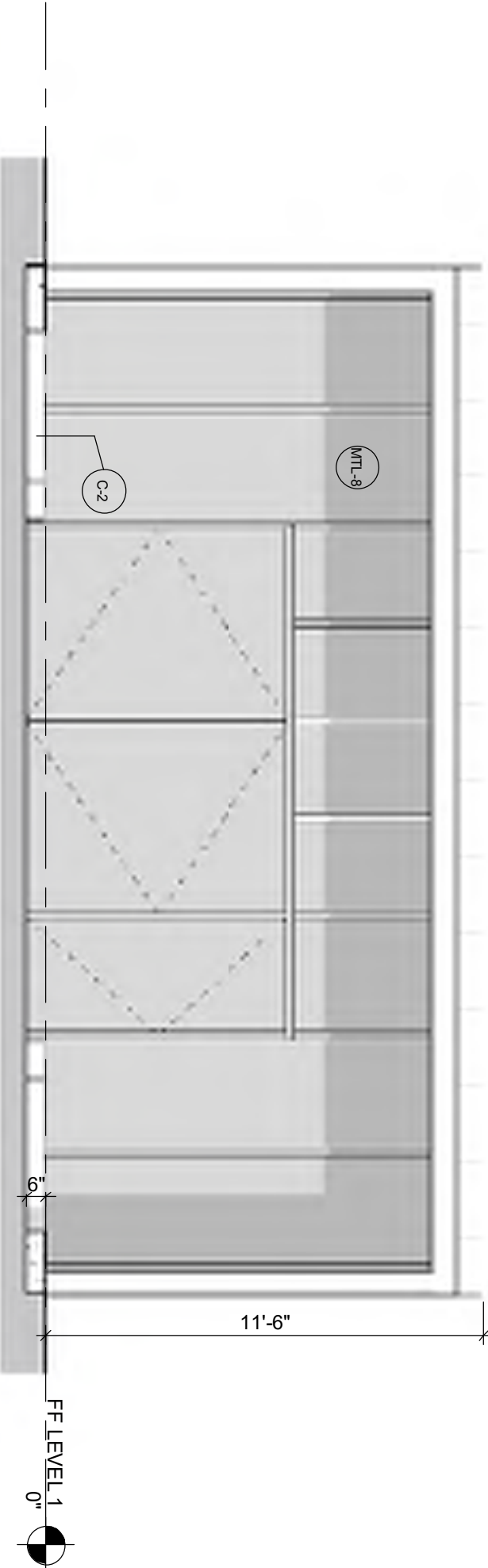
3 TRASH ENCLOSURE - SECTION B
1/4" = 1'-0"



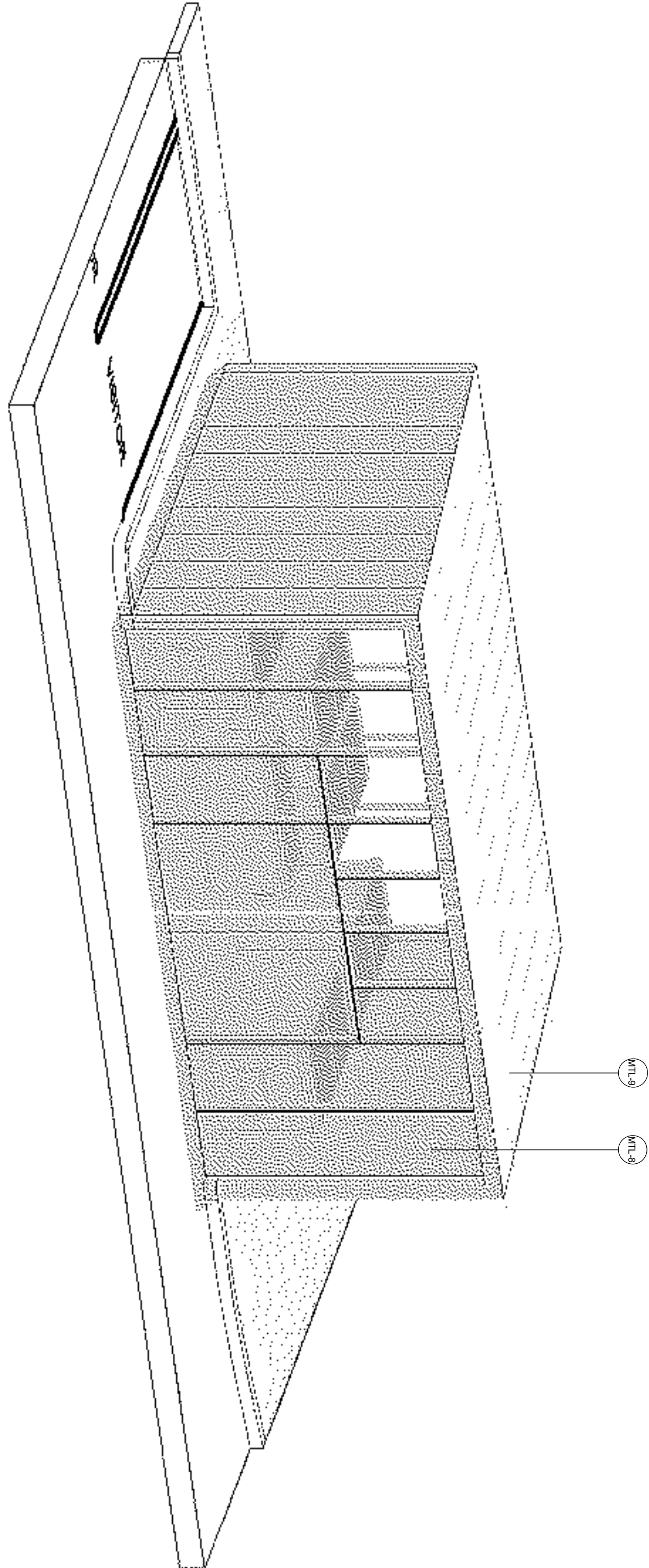
4 TRASH ENCLOSURE - NORTH ELEVATION
1/4" = 1'-0"



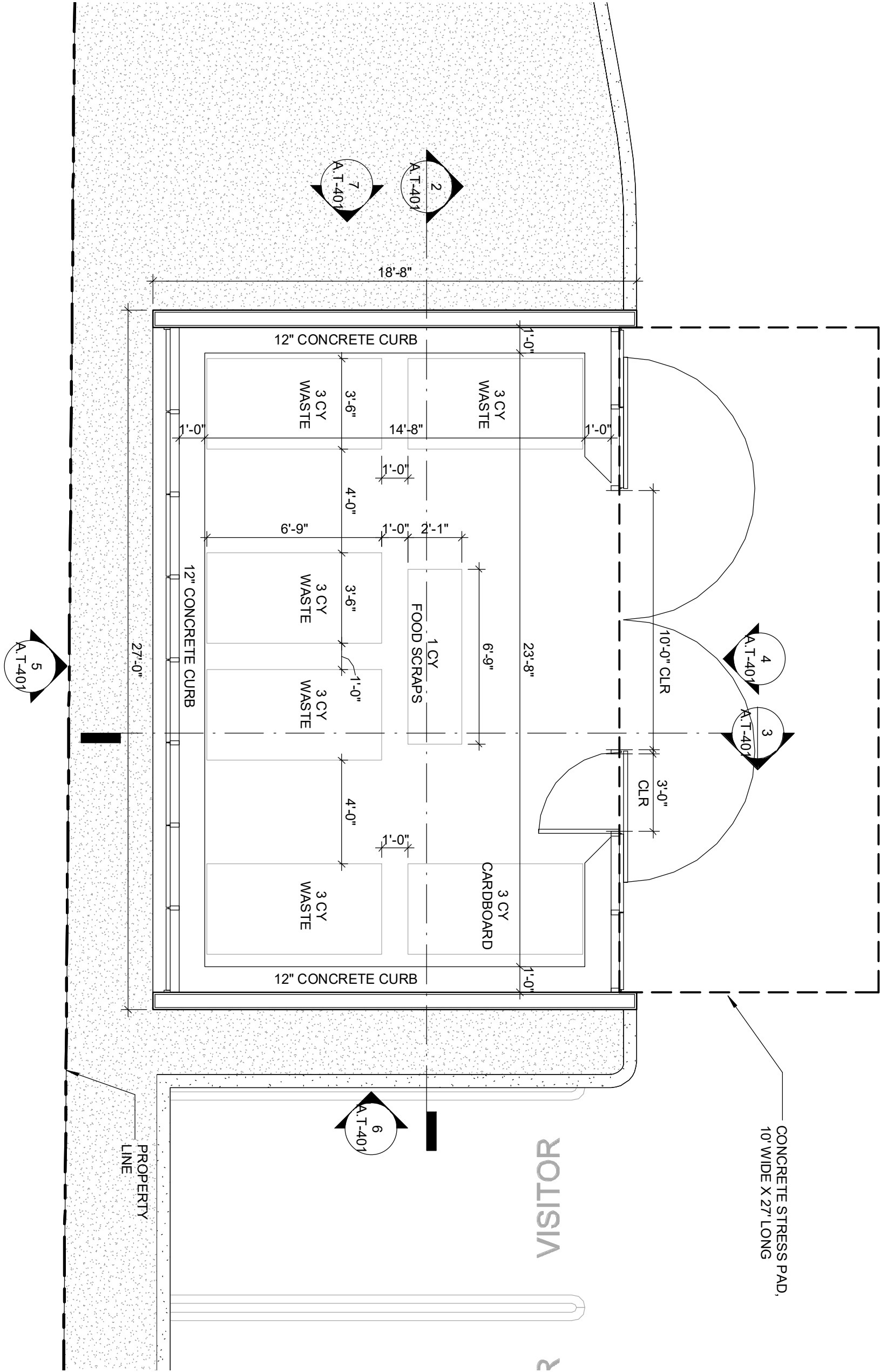
7 TRASH ENCLOSURE - WEST ELEVATION
1/4" = 1'-0"



2 TRASH ENCLOSURE - SECTION A
1/4" = 1'-0"

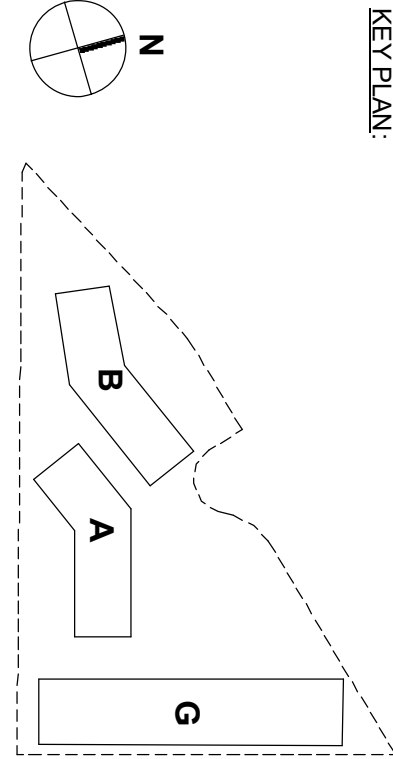


8 TRASH ENCLOSURE - AXONOMETRIC VIEW
1/4" = 1'-0"



1 TRASH ENCLOSURE - FLOOR PLAN
1/4" = 1'-0"

KEY PLAN:



KEYNOTE LEGEND

C-2 CAST-IN-PLACE CONCRETE
MTL-8 DARK GREY PAINTED ALUMINUM
MTL-9 LIGHT GREY PAINTED STANDING SEAM METAL PANEL

WRNSSTUDIO

TRASH ENCLOSURES A-T-401
PROJECT # 18025100
SCALE: As Indicated

PEERY PARK
08/03/20



TRELLIS BETWEEN BUILDINGS



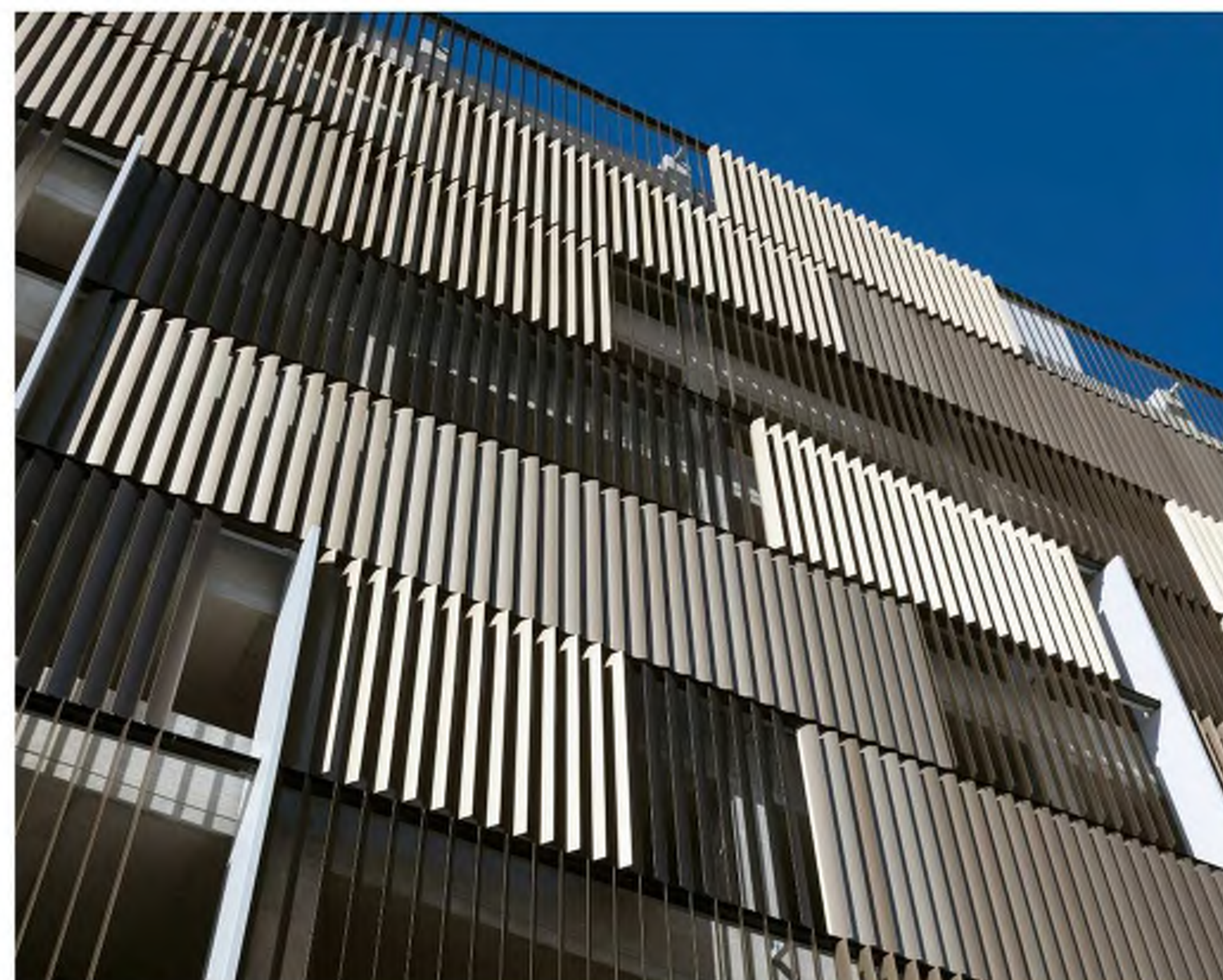
IN-BETWEEN SPACES



OFFICE SKIN



OFFICE SKIN



GARAGE SKIN



GARAGE SKIN



TEXTURED FIBER CEMENT PANEL
OFFICE BUILDINGS (C-3)



INSULATED GLAZING
OFFICE BUILDINGS (GL-1 & GL-2)



ANODIZED CLEAR ALUMINUM
OFFICE BUILDINGS (MTL-1)



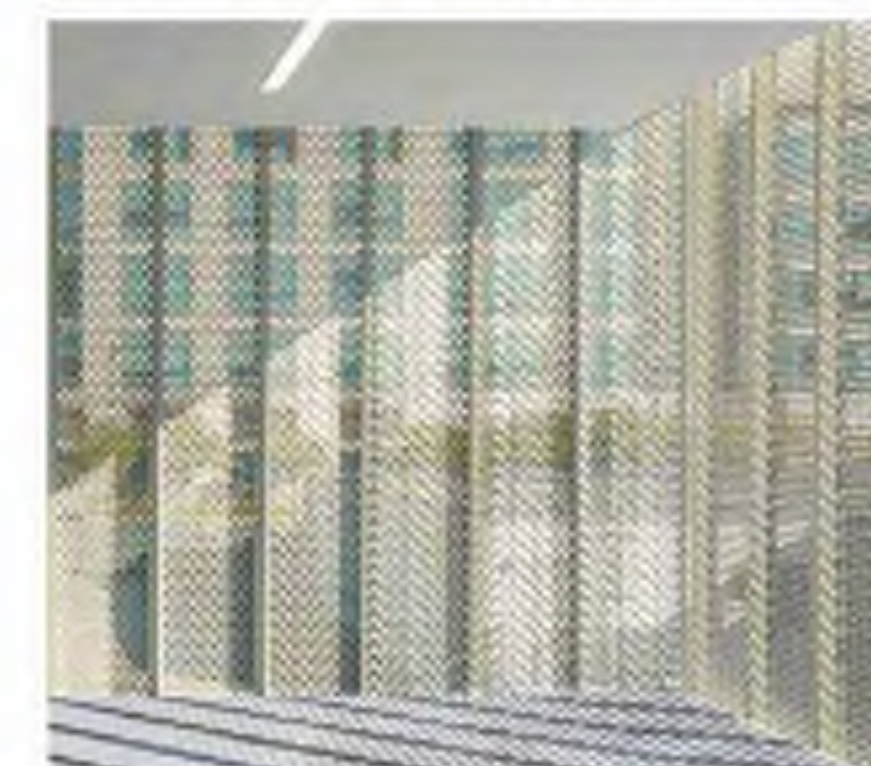
METAL, PAINTED WHITE
OFFICE BUILDINGS (MTL-5)



ANODIZED CHAMPAGNE
ALUMINUM
OFFICE BUILDINGS PODIUM (MTL-3)



ANODIZED CHAMPAGNE
ALUMINUM, GARAGE (MTL-3)



CHAMPAGNE PERFORATED
METAL SCREEN
PARKING GARAGE (MTL-4)



GRAY STANDING SEAM METAL
PANEL, TRASH ENCLOSURE (MTL-9)



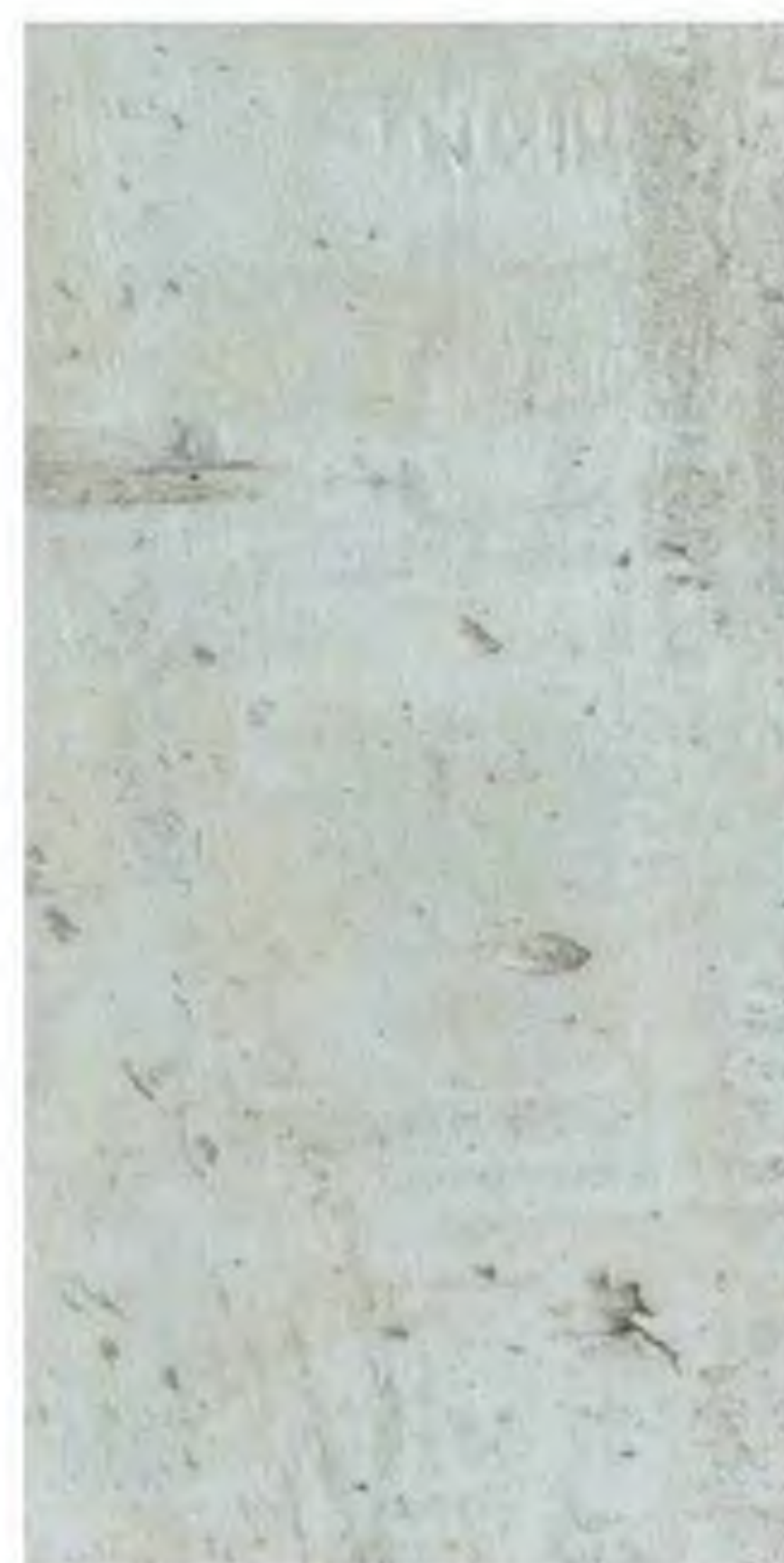
DARK GREY PERFORATED
METAL SCREEN
TRASH ENCLOSURE (MTL-8)



EXTERIOR WOOD SIDING
OFFICE BUILDINGS (WD-1)



BOARD FORMED CONCRETE
PARKING GARAGE (C1)



CAST-IN-PLACE CONCRETE
PARKING GARAGE (C-2)



PRIVACY GLAZING, FRITTED
PARKING GARAGE (GL-3)



METAL, PAINTED GREY
OFFICE, MECH. SCREEN (MTL-6)



METAL, PAINTED GREY
OFFICE, MECH. SCREEN.
ALTERNATE (MTL-6)



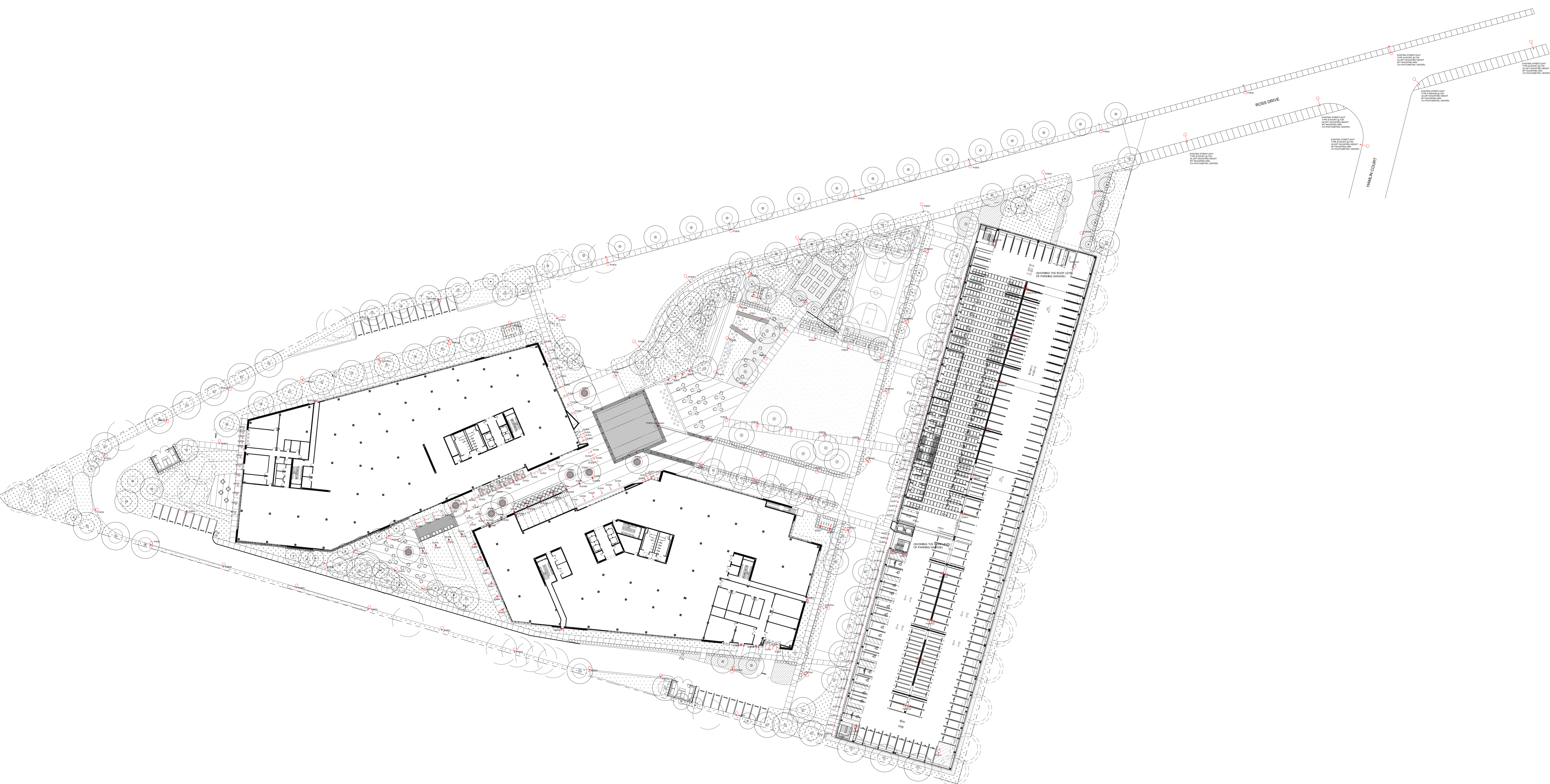
METAL PANEL, PAINTED GREEN
PARKING GARAGE (MTL-7)



GREENSCREEN TRELLIS SYSTEM
PARKING GARAGE (MTL-10)



HIGH PRESSURE LAMINATE
PANEL WITH GRAPHIC
PARKING GARAGE (LAM-1 / LAM-2)



- TARGET LIGHT LEVELS:**
- Ross Drive roadway and sidewalk illumination levels per Sunnyvale PRC comments dated 12/6/2018"
 - Minimum Maintained Average Illuminance ≥ 1.1 f.c
 - Uniformity Ratio (Avg/Min) ≤ 4.0
 - Max/Min Ratio ≤ 20
 - Loop Drive illumination levels per IES RP-8 (same as referenced in Sunnyvale Roadway Lighting Design Criteria document, revised 2/28/2018).
 - > 0.5 fc Avg
 - < 6.0 Avg/Min ratio
 - Surface Parking (at-ground level) per Sunnyvale Citywide Design Guidelines, updated 2013)
 - > 0.5 fc Avg
 - Light poles up to 16' height permitted
 - Parking Garage (roof level)
 - 1.0fc Min for drive aisles and parking areas, though the perimeter of parking spaces (i.e. nose of vehicle) may fall to 0.5fc MIN).
 - $< 15:1$ Max/Min ratio
 - Mid-block pedestrian crosswalk per Sunnyvale Roadway Lighting Design Criteria document, revised 2/28/2018):
 - > 0.5 fc Avg @ ground plane
 - < 4.0 Avg/Min ratio
 - > 0.2 fc Min vertical light level @ 5' above ground
 - Pedestrian pathways / sidewalks at roadside:
 - > 0.5 fc Avg @ ground plane
 - > 0.2 fc Min
 - Pedestrian pathways / sidewalks distant from roadways
 - > 0.5 fc Avg @ ground plane
 - > 0.2 fc Min

Calculation Summary - SITE LIGHTING						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Surface Parking_SW	Fc	1.7	2.5	0.8	2.1	3.1
Surface Parking_SE	Fc	1.6	2.6	0.5	3.2	5.2
Surface Parking_NW	Fc	1.9	2.3	1.1	1.7	2.1
Sidewalk_Ross Drive South	Fc	1.1	3.0	0.4	2.7	7.5
Sidewalk_Ross Drive North	Fc	1.5	3.2	0.4	3.8	8.0
Sidewalk S_Ross Dr to Hamlin Ct	Fc	0.9	2.1	0.5	1.8	4.2
Sidewalk N_Ross Dr to Hamlin Ct	Fc	1.3	3.0	0.7	1.9	4.3
Roadway_Ross Drive to Hamlin Ct	Fc	1.7	3.1	0.8	2.1	3.9
Roadway_Ross Drive (in site boundary)	Fc	1.9	3.5	0.6	3.1	5.8
Roadway_Loop Drive	Fc	1.6	4.3	0.6	2.7	7.2
Roadway_Drop Off Connector	Fc	2.1	5.0	0.8	2.6	6.3
Roadway_Drop Off Area	Fc	2.2	6.1	0.6	3.6	10.2
Intersection_Ross Drive & Hamlin Ct	Fc	1.9	3.5	0.7	2.7	5.0
Crosswalk_Loop Road N_1	Fc	1.2	1.6	0.9	1.4	1.8
Crosswalk_Loop Road E_7	Fc	1.6	2.6	1.0	1.6	2.6
Crosswalk_Loop Road E_6	Fc	1.5	1.9	0.8	1.8	2.4
Crosswalk_Loop Road E_5	Fc	1.6	2.1	1.0	1.6	2.1
Crosswalk_Loop Road E_4	Fc	1.5	2.1	1.3	1.2	1.6
Crosswalk_Loop Road E_3	Fc	1.6	2.3	1.0	1.6	2.3
Crosswalk_Loop Road E_2	Fc	1.2	1.8	0.7	1.7	2.6
Crosswalk_Loop Road E_1	Fc	1.5	1.9	1.0	1.5	1.9
Crosswalk_Loop Road @ Ross Drive	Fc	1.5	2.0	1.0	1.5	2.0
Crosswalk_Drop Off Entrance	Fc	2.2	3.6	1.0	2.2	3.6

Calculation Summary - PARKING GARAGE ROOF						
Label	Units	Avg	Max	Min	Max/Min	Avg/Min
P3 level_roof top	Fc	2.80	6.2	0.7	8.86	4.00
P3 level_PV array	Fc	3.60	8.0	0.8	10.00	4.50
P4 level	Fc	2.05	4.8	0.5	9.60	4.10
P4 ramp	Fc	1.80	4.0	0.5	8.00	3.60

- CALCULATION ASSUMPTIONS:**
- All calculation points represent horizontal light level at ground plane in footcandles (fc).
 - Light loss factor (LLF) for the calculations are as follows:
 - LLF = 0.95 for Ross Drive per Sunnyvale PRC comments dated 12/6/2018.
 - LLF = 0.90 for all light fixtures within project boundary.
 - All roads within project boundary = R1 (concrete) road surface classification, Local Road classification per IES-RP8 (Roadway Lighting Recommended Practice), Commercial / Industrial Corridor per Sunnyvale Roadway Lighting Design Criteria (local road used primarily for direct access to commercial / industrial property).
 - Medium Pedestrian Conflict Area classification per IES RP-8.
 - Parking garage = R1 road surface classification
 - Refer to sheet LT-103 for light fixture descriptions and mounting heights.

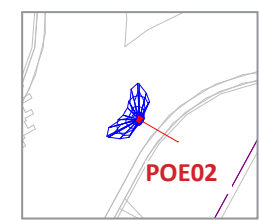
PEDESTRIAN CLASSIFICATIONS PER IES RP-8:

HIGH = over 100 pedestrians/hour

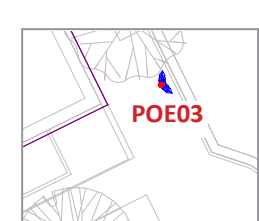
MEDIUM = 1 to 100 pedestrians / hour

LOW = 10 or fewer pedestrians / hour

LEGEND:



Typical Ross Drive cobrahead fixture; "web" graphic indicates aiming orientation.



Typical Loop Drive roadway fixture; "web" graphic indicates aiming orientation.



Light levels measured on the ground plane in footcandles (fc). Typical grid spacing is 5' on center for roadway calculation points, 3' on center for pedestrian pathway/sidewalk calculation points.

Table 2: Illuminance Method - Recommended Values (for Roadway Illumination)

Road and Pedestrian Conflict Area		Pavement Classification (Minimum Recommended Average Values)			Uniformity Ratio	Veiling Luminance Ratio
Road	Pedestrian Conflict Area	R1	R2 & R3	R4	E_{avg}/E_{min}	L_{avg}/L_{90}
Freeway Class A		6.0/0.6	9.0/0.9	8.0/0.8	3.0	0.3
Freeway Class B		4.0/0.4	6.0/0.6	5.0/0.5	3.0	0.3
Expressway	High	10.0/1.0	14.0/1.4	13.0/1.3	3.0	0.3
	Medium	8.0/0.8	12.0/1.2	10.0/1.0	3.0	0.3
	Low	6.0/0.6	9.0/0.9	8.0/0.8	3.0	0.3
Major	High	12.0/1.2	17.0/1.7	15.0/1.5	3.0	0.3
	Medium	9.0/0.9	13.0/1.3	11.0/1.1	3.0	0.3
	Low	6.0/0.6	9.0/0.9	8.0/0.8	3.0	0.3
Collector	High	8.0/0.8	12.0/1.2	10.0/1.0	4.0	0.4
	Medium	6.0/0.6	9.0/0.9	8.0/0.8	4.0	0.4
	Low	4.0/0.4	6.0/0.6	5.0/0.5	4.0	0.4
Local *	High	6.0/0.6	9.0/0.9	8.0/0.8	6.0	0.4
	Medium*	5.0/0.5	7.0/0.7	6.0/0.6	6.0	0.4
	Low	3.0/0.3	4.0/0.4	4.0/0.4	6.0	0.4

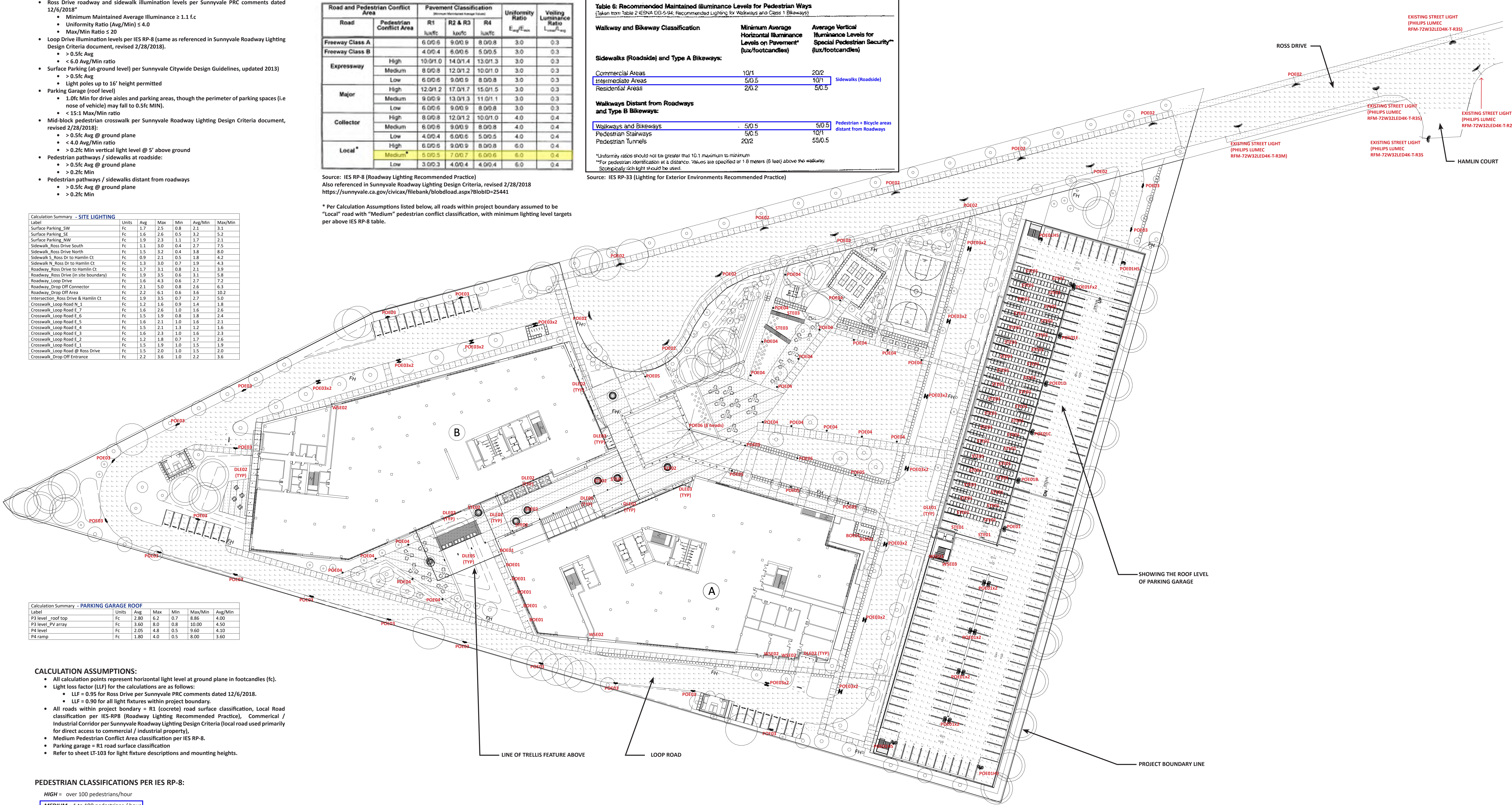
Source: IES RP-8 (Roadway Lighting Recommended Practice)
Also referenced in Sunnyvale Roadway Lighting Design Criteria, revised 2/28/2018
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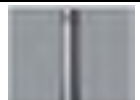
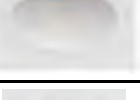
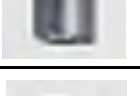
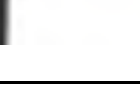
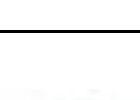
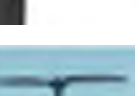
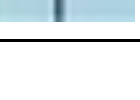
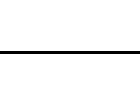
* Per Calculation Assumptions listed below, all roads within project boundary assumed to be "Local" road with "Medium" pedestrian conflict classification, with minimum lighting level targets per above IES RP-8 table.

Table 6: Recommended Maintained Illuminance Levels for Pedestrian Ways (Taken from Table 2 IESNA DG-6-94; Recommended Lighting for Walkways and Class 1 Bikeways)		
Walkway and Bikeway Classification	Minimum Average Horizontal Illuminance Levels on Pavement* (lux/footcandles)	Average Vertical Illuminance Levels for Special Pedestrian Security** (lux/footcandles)
Sidewalks (Roadside) and Type A Bikeways:		
Commercial Areas	10/1	20/2
Intermediate Areas	5/0.5	10/1
Residential Areas	2/0.2	5/0.5
Walkways Distant from Roadways and Type B Bikeways:		
Walkways and Bikeways	5/0.5	5/0.5
Pedestrian Stairways	5/0.5	10/1
Pedestrian Tunnels	20/2	55/0.5

*Uniformity ratios should not be greater than 10:1 maximum to minimum
**For pedestrian identification at a distance. Values are specified at 1.8 meters (6 feet) above the walkway. Spherically 25° light should be used.

Source: IES RP-33 (Lighting for Exterior Environments Recommended Practice)



FIXTURE TYPE	FIXTURE IMAGE	LOCATION	FIXTURE DESCRIPTION	MANUFACTURER / CATALOG NO.	LAMP TYPE	MATERIALS / FINISH COLOR	CONTROL GEAR *	DIMMING PROTOCOL	EXTENDED WATTAGE (W)	UNITS (EACH / PER LT)	VOLTAGE (V)	COMMENTS
BOE01		VARIOUS	BOLLARD WITH 180-DEG LIGHT OUTPUT. LED ENGINE IS SHIELDED FROM DIRECT VIEW, RESULTING IN A LOW-BRIGHTNESS LIGHT APERTURE. DIMMABLE. EXTRUDED ALUMINUM HOUSING, POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	ERCO 35748-023	LED 3000K 250 DELIVERED LUMENS	SILVER	ILD	0-10V	14	EA	277	
DLE01		PARKING GARAGE CANOPY	DOWNLIGHT CYLINDER WITH 50 DEG BEAM SPREAD. SURFACE MOUNTED TO ELECTRICAL JUNCTION BOX. DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	GOTHAM INCITO CYLINDER ICO CYL-3007-T80-L55-500-277-UG2-WMS	LED 3000K 700 DELIVERED LUMENS	T80	ILD	0-10V	10	EA	277	
DLE02		EXTERIOR BUILDING SOFFITS	RECESSED, AIMABLE DOWNLIGHT WITH 40-DEG BEAM SPREAD. LOCKABLE TILT UP TO 40-DEGREES AND HORIZONTAL ROTATION UP TO 360-DEGREES. TRIM OF DIECAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	LUCIFER FRAUDON 4 F4RMAD-2-T80-T80-80C16A2-3Y1-T82	LED 3000K 1000 DELIVERED LUMENS	T80	ILD	TRAILING EDGE	14	EA	277	
DLE03		MAIN ENTRANCES	RECESSED, AIMABLE DOWNLIGHT WITH 15-DEG BEAM SPREAD. LOCKABLE TILT UP TO 40-DEGREES AND HORIZONTAL ROTATION UP TO 360-DEGREES. TRIM OF DIECAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	LUCIFER FRAUDON 4 F4RMAD-2-T80-T80-80C23A2-1Y1-T82	LED 3000K 1390 DELIVERED LUMENS	T80	ILD	TRAILING EDGE	21	EA	277	
DLE04		MAIN ENTRANCES	RECESSED, AIMABLE DOWNLIGHT WITH 40-DEG BEAM SPREAD. LOCKABLE TILT UP TO 40-DEGREES AND HORIZONTAL ROTATION UP TO 360-DEGREES. TRIM OF DIECAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	LUCIFER FRAUDON 4 F4RMAD-2-T80-T80-80C16A2-3Y1-T82	LED 3000K 1000 DELIVERED LUMENS	T80	ILD	TRAILING EDGE	14	EA	277	
DLE05		FORUM	UPLIGHT & DOWNLIGHT CYLINDER WITH 40-DEG BEAM SPREAD (DOWNLIGHT COMPONENT) AND 20X50 DEG OVAL BEAM SPREAD (UPLIGHT COMPONENT). DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	ERCO 85107-023	LED 3000K 1200 DELIVERED LUMENS	T80	ILD	0-10V	20	EA	277	MOUNTED TO FORUM COLUMNS @ NOMINAL 25' ABOVE GROUND LEVEL.
DLE05B		FORUM	UPLIGHT CYLINDER WITH 20X50 DEG OVAL BEAM SPREAD (UPLIGHT COMPONENT). NO DOWNLIGHT COMPONENT. DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	ERCO 85107-023-MOD	LED 3000K T80 DELIVERED LUMENS	T80	ILD	0-10V	20	EA	277	DLE05B IS THE SAME AS DLE05, BUT WITHOUT DOWNLIGHT COMPONENT. MOUNTED TO FORUM COLUMNS @ NOMINAL 25' ABOVE GROUND LEVEL.
DLE06		FORUM	SURFACE-MOUNTED, AIMABLE DOWNLIGHT CYLINDER WITH 25-DEG BEAM SPREAD. LOCKABLE TILT AND HORIZONTAL ROTATION. TRIM OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	LUCIFER CYLINDER CY3 CY3-AD-2-T80-80C25A2-2CA2	LED 3000K 1500 DELIVERED LUMENS	T80	ILD	0-10V	24	EA	277	MOUNTED TO FORUM TRELIS @ NOMINAL 45' ABOVE GROUND LEVE, AIMING DOWN TOWARDS THE GROUND.
POE01		PARKING GARAGE	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE IV MEDIUM (FORWARD THROW) DISTRIBUTION. 1QTY (SINGLE) FIXTURE HEAD PER POLE LOCATION. FIXTURE HEADS AT NOMINAL 20' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 17'. FIXTURE SHALL SIT ATOP CONCRETE BASE NOMINAL 3' TALL. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0LED-P3-40K-T4M-277-T80	LED 4000K 8260 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	142	EA	277	POLE SPEC TBD.
POE01x2		PARKING GARAGE	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE IV MEDIUM (FORWARD THROW) DISTRIBUTION. 2QTY FIXTURE HEADS ~ 180-DEG ORIENTATION PER POLE LOCATION. FIXTURE HEADS AT NOMINAL 20' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 17'. FIXTURE SHALL SIT ATOP CONCRETE BASE NOMINAL 3' TALL. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0LED-P3-40K-T4M-277-T80	LED 4000K 8260 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	142	EA	277	POLE SPEC TBD.
POE01B-POE01E		PARKING GARAGE	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE IV MEDIUM (FORWARD THROW) DISTRIBUTION. 1QTY (SINGLE) FIXTURE HEAD PER POLE LOCATION. FIXTURE HEAD AT NOMINAL 20' ABOVE GROUND SURFACE. POLE HEIGHT TBD. FIXTURE SHALL SIT ATOP CONCRETE RETAINING WALL. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0LED-P3-40K-T4M-277-T80	LED 4000K 8260 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	71	EA	277	POLE SPEC TBD.
POE01F		PARKING GARAGE	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE IV MEDIUM (FORWARD THROW) DISTRIBUTION. 2QTY FIXTURE HEADS ~ 90-DEG ORIENTATION PER POLE LOCATION (REFER TO SITE LIGHTING PLAN FOR ORIENTATION). FIXTURE HEADS AT NOMINAL 20' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 17'. FIXTURE SHALL SIT ATOP CONCRETE BASE NOMINAL 3' TALL. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0LED-P3-40K-T4M-277-T80	LED 4000K 8260 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	142	EA	277	POLE SPEC TBD.
POE01HS		PARKING GARAGE	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE IV MEDIUM (FORWARD THROW) DISTRIBUTION. 1QTY FIXTURE HEADS PER POLE LOCATION. FIXTURE FURNISHED WITH EXTERNAL GLARE SHIELD ACCESSORY TO MITIGATE SPILL LIGHT AND DIRECT VIEW OF LIGHT SOURCE FROM BEHIND THE FIXTURE. FIXTURE HEAD AT NOMINAL 20' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 17'. FIXTURE SHALL SIT ATOP CONCRETE BASE NOMINAL 3' TALL. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0HS-D0C-U (external glare shield)	LED 4000K 8260 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	71	EA	277	POLE SPEC TBD.
POE02		ROSS DRIVE	POLE-MOUNTED, LED "COBRAHEAD" ROADWAY LUMINAIRE WITH TYPE II MEDIUM DISTRIBUTION. FIXTURE RATED FOR 72W OUTPUT, BUT DRIVER IS FACTORY PROGRAMMED / DERATED FOR 64 WATT OUTPUT PER CITY OF SUNNYSVALE REQUIREMENTS. FIXTURE HEAD AT NOMINAL 28'-4" ABOVE GROUND SURFACE. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. ALL POE02 FIXTURES SHALL BE FURNISHED WITH ECHELON TOP900TLX-E WIRELESS OUTDOOR LIGHTING CONTROLLER, TO BE INSTALLED AND COMMISSIONED BY ELECTRICAL CONTRACTOR.	PHILIPS / LUMEC RFM-172W32LED4K-0091-62-R3M-UNV-DMG-AP12011-RC07-SP2-GY3 ECHELON LUMEWAVE TOP900TLX-E (wireless controller)	LED 4000K 7,955 DELIVERED LUMENS	SILVER	ILD	WIRELESS	64	EA	277	INSTALL POE02 ONTO EXISTING STREETLIGHT POLES IN LOCATIONS PER DRAWINGS. WHERE NEW POLES ARE REQUIRED, MATCH THE EXISTING STREETLIGHT POLE.
POE03		ROADWAY	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE II MEDIUM DISTRIBUTION. 1QTY (SINGLE) FIXTURE HEAD PER POLE LOCATION. FIXTURE HEAD AT NOMINAL 16' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 16'. FIXTURE SHALL SIT ATOP INGROUND CONCRETE FOOTER. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0LED-P3-40K-T3M-277-T80	LED 4000K 4500 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	38	EA	277	POLE SPEC TBD.
POE03x2		ROADWAY	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE II MEDIUM DISTRIBUTION. 2QTY FIXTURE HEADS ~ 180-DEG ORIENTATION PER POLE LOCATION. FIXTURE HEADS AT NOMINAL 16' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 16'. FIXTURE SHALL SIT ATOP INGROUND CONCRETE FOOTER. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. POLE OF PAINTED STEEL.	LITHONIA D-SERIES DSX0LED-P3-40K-T3M-277-T80	LED 4000K 4500 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	76	EA	277	POLE SPEC TBD.
POE04		PEDESTRIAN PATHWAYS	POLE-MOUNTED, LED "POST TOP" LUMINAIRE WITH ASYMMETRIC LIGHT DISTRIBUTION. FIXTURE HEAD SITS AT NOMINAL 13.5' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 12'. FIXTURE SHALL SIT ATOP INGROUND CONCRETE FOOTER. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. ROUND, TAPERED ALUMINUM POLE, 5" DIAMETER AT BASE, TAPERING TO 3" DIAMETER AT TOP OF POLE.	BEGA 84121-K3 (fixture head) 1108HR (pole)	LED 3000K 2300 DELIVERED LUMENS	T80	ILD	0-10V	28	EA	277	
POE05		DROP OFF ROADWAY	POLE-MOUNTED, LED AREA LUMINAIRE WITH TYPE III DISTRIBUTION. FIXTURE HEAD SITS AT NOMINAL 16' ABOVE GROUND SURFACE. POLE HEIGHT NOMINAL 16'. FIXTURE SHALL SIT ATOP INGROUND CONCRETE FOOTER. FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION. ROUND, STRAIGHT ALUMINUM POLE.	BEGA 99407	LED 4000K 3100 DELIVERED LUMENS	T80	ILD	0-10V	28	EA	277	POLE SPEC TBD.
POE06		DROP OFF	POLE-MOUNTED, LED AREA LUMINAIRES WITH 40-DEG BEAM DISTRIBUTION. POLE HEIGHT NOMINAL 45' TALL. 6QTY FIXTURE HEADS ARE MOUNTED TO POLE @ THE FOLLOWING HEIGHTS ABOVE GROUND (43', 41.5', 40', 38.5', 37', 35.5'). REFER TO PHOTOMETRIC CALCULATION FOR AIMING / ORIENTATION OF FIXTURE HEADS. LIGHT FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	SXLUX OLIVIO MEDIO LED OLML-F40-S86-L46-40-T80-277	LED 4000K 3300 DELIVERED LUMENS (EACH FIXTURE HEAD)	T80	ILD	T80	288	EA	277	POLE SPEC TBD.
SLE01		VARIOUS	RECESSED STEPLIGHT, NOMINAL 10" WIDE X 3" TALL. 18" MOUNTING HEIGHT ABOVE GROUND. LIGHT FIXTURE HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	BEGA 33054-K3	LED 3000K 340 DELIVERED LUMENS	T80	ILD	T80	8	EA	277	WALL-MOUNTED @ NOMINAL 1.5' ABOVE GROUND PLANE
STE01		PARKING GARAGE	SURFACE-MOUNTED LED LINEAR LIGHT, WET LOCATION / IP-65 RATED. OPTIONAL INTEGRAL WET-LOCATION RATED MOTION SENSOR.	SKYLER SKT-JK-LL-40	LED 4000K 4000 DELIVERED LUMENS	T80	ILD	T80	40	EA	277	
STE02		FORUM BENCHES	LINEAR LED LIGHT, FIELD CURVABLE, IP65 WET LOCATION RATED. FIXTURE LENS HAS UNIFORM BRIGHTNESS WITHOUT LED DIODE IMAGING, HOTSPOTS, OR SHADOWS. IP65, UL LISTED FOR WET LOCATION.	Q-TRON KURV-SW-T80-WET-30-HO-ENC/TL-T80	LED 3000K 200 DELIVERED LUMENS / FT	WHITE	RLD	T80	3	LF	277 / 24VDC	REMOTE POWER SUPPLY REQUIRED. MOUNTED UNDERNEATH SEATING BENCHES
STE03		PEDESTRIAN BRIDGES	LED POINT SOURCE FIXTURE FOR INTEGRATION INTO HANDRAIL. FIXTURE HAS ASYMMETRIC LIGHT OUTPUT. IP65, UL LISTED FOR WET LOCATION.	KLIK LEDPOD 40 LP-40-30K-A-T80	LED 3000K 150 DELIVERED LUMENS (PER FIXTURE)	CLEAR	RLD	T80	2	EA	277 / 24VDC	REMOTE POWER SUPPLY REQUIRED
WSE02		BOH / EGRESS DOORS	WALL-MOUNTED FIXTURE WITH FORWARD THROW LIGHT DISTRIBUTION. HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	BEGA 33815-K3	LED 3000K 775 DELIVERED LUMENS	T80	ILD	T80	11	EA	277	WALL-MOUNTED ABOVE EGRESS DOORS @ NOMINAL 8' ABOVE GROUND PLANE.
WSE03		PARKING GARAGE	WALL-MOUNTED FIXTURE WITH UP AND DOWNLIGHT LIGHT DISTRIBUTION. HOUSING OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH. IP65, UL LISTED FOR WET LOCATION.	BEGA 22363-K4	LED 4000K 700 DELIVERED LUMENS	T80	ILD	T80	10	EA	277	WALL-MOUNTED @ NOMINAL 8' ABOVE P4 PARKING LEVEL.

* CONTROL GEAR LEGEND:
IMT= INTEGRAL MAGNETIC TRANSFORMER
IET= INTEGRAL ELECTRONIC TRANSFORMER
RMT= REMOTE MAGNETIC TRANSFORMER
RET= REMOTE ELECTRONIC TRANSFORMER
REB= REMOTE ELECTRONIC BALLAST
IEB= INTEGRAL ELECTRONIC BALLAST
IDB= INTEGRAL DIMMING BALLAST
DMK= DATA SIGNAL CONTROL
ILD= INTEGRAL LED DRIVER
RLD= REMOTE LED DRIVER
PDS= POWER DATA SUPPLY