333-385 MOFFETT PARK DRIVE

SMP REV. 03 / MSDP REV. 01 SUBMITTAL - PLNG # 2025-0137

JULY 29TH 2025

HGA

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ONE SANSOME STREET, SUITE 1550
SAN FRANCISCO, CA 94104

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LANDSCAPE
CREO
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#	date	issue description
	2025.07.29	SMP SUBMITTAL REV-03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

COVER

G0.00

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file: Autodesk Docs://22-387_333 Moffett Park Drive/22-387 333 moffett park drive.rvt
7/29/2025 12:02:22 PM

NOT FOR CONSTRUCTION

A	
ABV	ABOVE
ACC	ACCESS
ACOUS	ACOUSTIC
ACST	ACOUSTICAL
AD	AREA DRAIN
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AL, ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASPH	ASPHALT
AVE	AVENUE
AVG	AVERAGE
B	
BC	BACK OF CURB
BD	BOARD
BF	BACK FACE
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BLW	BELOW
BM	BENCH MARK
BO	BOTTOM OF
BOT	BOTTOM
BPF	BACKFLOW PREVENTER
BRK	BRICK
BSMT	BASEMENT
BTWN	BETWEEN
C	
C	CHANNEL
CANTL	CANTILEVER
CD	CONSTRUCTION DOCUMENT
CER	CERAMIC
CFLG	COUNTERFLASHING
CIP	CAST-IN-PLACE
CIR	CIRCLE
CJT	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLL	CONTRACT LIMIT LINE
CLR	CLEAR
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONN	CONNECT(ED)(ION)
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COOR	CORRUGATED(ION)
CORR	CORRIDOR
CRS	COURSE
CT	CERAMIC TILE
CT	COOLING TOWER
CTR	CENTER
CU FT	CUBIC FOOT
CU YD	CUBIC YARD
D	
D	DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
F	
F	FAHRENHEIT
FB	FACE BRICK
FD	FLOOR DRAIN
FDTN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FF EL	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT/HOSE
FHC	FIRE HOSE CABINET
FIXT	FIXTURE
FL, FLR	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOW	FACE OF WALL
FP	FIREPROOF
FRTW	FIRE-RETARDANT TREATED WOOD
FS	FULL SIZE
FT	FEET, FOOT
FTG	FOOTING
FURN	FURN(SH)(TURE)
G	
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GEN	GENERATOR
GFRC	GLASS-FIBER REINFORCED CONCRETE
GL	GLASS
GLAZ	GLAZING
GR BM	GRADE BEAM
GRND	GROUND
H	
H	HIGH
H PT	HOSE BIB

10 G0.01 ABBREVIATIONS

GENERAL SYMBOLS

REVISION
- REVISION CLOUD
- REVISION DELTA
- R01 REFERENCE

BUILDING SECTIONS
- SIM
- 1
- A101
- SECTION IDENTIFICATION
- SHEET NUMBER

WALL/DETAIL SECTIONS
- SIM
- 1
- A101
- SECTION IDENTIFICATION
- SHEET NUMBER

ELEVATIONS
- 1
- A101
- DETAIL NUMBER
- SHEET NUMBER

DETAILS
- SIM
- 1
- A101
- DETAIL NUMBER
- SHEET NUMBER

ROOM IDENTIFICATION
- OFFICE — ROOM NAME
- 101 — ROOM NUMBER
- 150 SF — AREA

2' - 6" — DIMENSION LINES

PROPERTY LINE

9 G0.01 GRAPHIC SYMBOLS

CLIENT:
BEP MOFFETT PARK LLC
C/O ELLIS PARTNERS
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DIRECTOR
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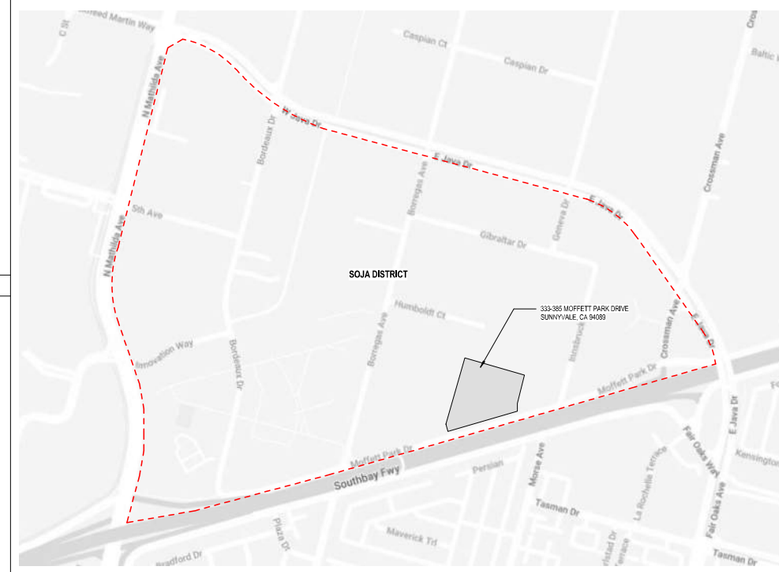
818.517.0157

7 G0.01 PROJECT TEAM



4 G0.01 VICINITY MAP

VEHICLE PARKING CALCULATION

PUBLIC PARKING REQUIREMENTS:
TOTAL PARKING PROVIDED = 218
TOTAL PUBLIC PARKING MAX = 294 (ADD'L 1/1000)

EV PARKING / CARPOOL / VANPOOL REQUIREMENTS:
According to Moffett Park Specific Plan 8.3.3, table 27

EV INSTALLED - 35%	**77**
Of which, according to CBC 11B-228.3.2.1	
Ambulatory	3
Standard Accessible	3
Van Accessible	1
EV READY - 35%	**77**
CARPOOL / VANPOOL - 8%	**18**

ACCESSIBLE PARKING:
According to 11B-208.1, EV charging stations are not considered parking spaces
Total provided non-EV: 137

According to CBC 11B-208.2, Table 11B-208.2	
Range provided: 101 to 150	**5**
Of which, according to CBC 11B-208.2.4	
Van Accessible	1
Standard Accessible	4

PUBLIC PARKING PROVIDED PER LEVEL:

Level L1/P1		
STANDARD	6	Level L1/P1
EVCS	69	Level L1/P1
EV READY	77	Level L1/P1
EV AMBULATORY	3	Level L1/P1
EV ACCESSIBLE	3	Level L1/P1
EV - ELECTRIFY AMERICA VAN ACCESSIBLE	1	Level L1/P1
EV - ELECTRIFY AMERICA	5	Level L1/P1
COMPACT	30	Level L1/P1
CARPOOL / VANPOOL	19	Level L1/P1
ACCESSIBLE VAN	1	Level L1/P1
ACCESSIBLE	4	Level L1/P1
TOTAL PUBLIC PARKING	218	
TOTAL EV PUBLIC PARKING	81	Level L1/P1
TOTAL EV READY PUBLIC PARKING	77	Level L1/P1

PRIVATE PARKING REQUIREMENTS:
TOTAL PARKING PROVIDED = 581
TOTAL PARKING MAX = 588 (2/1000)

EV PARKING / CARPOOL / VANPOOL REQUIREMENTS:
According to Moffett Park Specific Plan 8.3.3, table 27

EV INSTALLED - 35%	**204**
Of which, according to CBC 11B-228.3.2.1	
Van Accessible	2
Standard Accessible	5
Ambulatory	6
EV READY - 35%	**204**
CARPOOL / VANPOOL - 8%	**47**

ACCESSIBLE PARKING:
According to 11B-208.1, EV charging stations are not considered parking spaces
Total provided: 581 - 205 = 376

According to CBC 11B-208.2, Table 11B-208.2	
Range provided: 301 to 400	**8**
Of which, according to CBC 11B-208.2.4	
Standard Accessible	6
Van Accessible	2

PRIVATE PARKING PROVIDED PER LEVEL:

STANDARD	18	Level L1/P1
STANDARD	42	Level L1/P3
EVCS	4	Level L1/P1
EVCS	105	Level L1/P2
EVCS	81	Level L1/P3
EV READY	4	Level L1/P1
EV READY	83	Level L1/P2
EV READY	117	Level L1/P3
EV AMBULATORY	3	Level L1/P1
EV AMBULATORY	3	Level L1/P2
EV ACCESSIBLE VAN	2	Level L1/P2
EV ACCESSIBLE	5	Level L1/P2
COMPACT	30	Level L1/P2
COMPACT	30	Level L1/P3
CARPOOL / VANPOOL	12	Level L1/P2
CARPOOL / VANPOOL	35	Level L1/P3
ACCESSIBLE VAN	2	Level L1/P2
ACCESSIBLE	6	Level L1/P2
TOTAL PRIVATE PARKING	582	
TOTAL EV PRIVATE PARKING	203	
TOTAL EV READY PRIVATE PARKING	204	
TOTAL VANPOOL PARKING	47	
TOTAL PROJECT PARKING PROVIDED:	**800 STALLS**	

6 G0.01 PARKING CALCULATION

BICYCLE PARKING CALCULATION

BIKE PARKING AND FACILITY REQUIREMENTS:

CLASS I REQUIREMENTS:

According to Moffett Park Specific Plan 8.5, table 30	
0.5 per KSF	**147**
Of which, according to table 30	
Oversized or cargo bikes	**7**

CLASS II REQUIREMENTS:

According to Moffett Park Specific Plan 8.5, table 30	
0.125 per KSF	**37**

SHOWER REQUIREMENTS:

According to Moffett Park Specific Plan 8.5, table 30	
1 unisex for first 40,000 SF, 1 unisex for each additional 20,000 SF	**14**

LOCKER REQUIREMENTS:

According to Moffett Park Specific Plan 8.5, table 30	
75% of total long-term spaces provided	**110**

BIKE PARKING AND FACILITY PROVIDED:

(CLASS I) - LONG-TERM BICYCLE PARKING PROVIDED:	152 (8 cargo)
(CLASS II) - SHORT-TERM BICYCLE PARKING PROVIDED:	38

14 SHOWERS PROVIDED
120 LOCKERS PROVIDED

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G1.03 CODE ANALYSIS PLANS
G1.04 CODE ANALYSIS PLANS
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G2.02 BUILDING AREA PLANS
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G2.07 ACCESIBILITY PLANS
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G3.02 GREEN BUILDING CHECKLIST
G3.03 GREEN BUILDING CHECKLIST
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G4.03 EXISTING CONDITIONS PHOTOS
G 4 . 1 1 3D VIEW
G4.12 3D VIEW
G4.13 3D VIEW
G4.14 3D VIEWS
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G4.16 3D VIEWS
G4.17 3D VIEWS
G4.18 3D VIEWS - CONTEXT VIEWS
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C2.0 DEMOLITION PLAN
C3.0 PRELIMINARY SITE PLAN
C4.0 PRELIMINARY GRADING AND DRAINAGE PLAN
C5.0 PRELIMINARY UTILITY PLAN
C6.0 PRELIMINARY STORMWATER MANAGEMENT PLAN
C7.0 FIRE ACCESS PLAN
C8.0 STREET CROSS SECTIONS
C8.1 LANEWAY CROSS SECTIONS
C9.0 SUNNYVALE TRASH TRUCK TURNING

JOINT TRENCH
INT 1 JOINT TRENCH INTENT

LANDSCAPE
L0.00 LANDSCAPE NOTES & LEGEND
L0.01 LANDSCAPE NOTES & LEGEND
L0.02 LANDSCAPE ILLUSTRATIVE PLAN
L0.03 TREE DISPOSITION PLAN
L0.04 LANDSCAPE OPEN SPACE FRAMEWORK
L1.00 LANDSCAPE GRADING PLAN - PODIUM
L2.00 LANDSCAPE MATERIAL PLAN - GROUND
L2.01 LANDSCAPE MATERIALS PLAN - PODIUM
L4.00 LANDSCAPE IRRIGATION PLAN
L5.00 LANDSCAPE PLANTING PLAN - GROUND
L5.01 LANDSCAPE PLANTING PLAN - PODIUM
L5.02 LANDSCAPE PLANTING IMAGES
L6.00 LANDSCAPE CONSTRUCTION DETAILS
L6.01 LANDSCAPE CONSTRUCTION DETAILS
L6.02 LANDSCAPE CONSTRUCTION DETAILS - PODIUM
L6.03 LANDSCAPE CONSTRUCTION DETAILS - PODIUM
L6.04 LANDSCAPE CONSTRUCTION DETAILS - PODIUM
L7.00 LANDSCAPE PLANTING DETAILS

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A2.01.3 FLOOR PLAN - LEVEL 1/P3
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A2.03 FLOOR PLAN - LEVEL 3
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A2.06 FLOOR PLAN - ROOF DECK
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A3.02 EAST / WEST ELEVATION
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A3.12 BUILDING SECTIONS
A3.13 BUILDING SECTIONS
A4.01 ENLARGED ELEVATION, SECTIONS & PLANS
A4.02 ENLARGED ELEVATION, SECTIONS & PLANS
A4.03 ENLARGED ELEVATION, SECTIONS & PLANS
A4.04 ENLARGED ELEVATION, SECTIONS & PLANS
A6.01 ENLARGED TRASH ROOMS - STAGING & ACCESS - TRANSFORMER ENCLOSURE ELEVATIONS

LIGHTING
LT1.00 GROUND LEVEL LIGHTING PLAN AND LEVELS
LT1.02 PODIUM LEVEL LIGHTING PLAN AND LEVELS
LT2.00 LUMINAIRE SCHEDULE

3 G0.01 SHEET INDEX

PROJECT DESCRIPTION

(N) 3 LEVEL OFFICE BUILDING OVER 3 LEVEL ABOVE-GRADE PARKING WITH PODIUM-LEVEL PRIVATE LANDSCAPED ROOFDECK, (O) 2 EXISTING BUILDINGS AND ALL SITEWORK. PROJECT INCLUDES OFF SITE IMPROVEMENTS. PROJECT IS WITHIN THE MOFFETT PARK SPECIFIC PLAN AREA.

2 G0.01 PROJECT DESCRIPTION

AREA CALCULATION

LOT AREA:	217,798 SF (~5.0 ACRES)
ALLOWABLE F.A.R.:	0.35 / 1.35 / 2.0 MAX
PROVIDED F.A.R.:	1.35
MAX ALLOWABLE GSF F.A.R.:	294,027 SF
PROVIDED GSF F.A.R.:	**293,958 SF**

DETAILED LAND USE AREAS

OFFICE USE AREA	283,656 SF
CREATION SPACE	10,370 SF

CREATOR SPACE AREA SUMMARY

NET NEW GSF:	294,026 GSF - 89,142 GSF = 204,884 GSF
CREATOR SPACE (7.5% MIN):	15,366 GSF

PER MPSP, CREATOR SPACE MAY COUNT AT 1.5X = 10,244 GSF REQUIRED

PROJECT DATA

ADDRESS:	333-385 MOFFETT PARK DRIVE, SUNNYVALE, CA 94089
APN:	110-34-005
ZONING:	MP-02
LOT AREA:	217,798 SF (5.00 ACRES)
OCCUPANCY GROUP:	B, S-2, A-3 (ACCESSORY)
CONSTRUCTION TYPE:	IB
FULLY SPRINKLERED:	YES
STORIES:	6

1 G0.01 PROJECT INFORMATION

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	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

PROJECT INFORMATION

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Sunnyvale

COMMERCIAL/INDUSTRIAL PROJECT DATA

Applicant should refer to the Sunnyvale Municipal Code (http://qcode.us/codes/sunnyvale) for current requirements.

	EXISTING CONDITIONS	PROPOSED PROJECT	REQUIRED/ PERMITTED	
☐ General Plan				
☐ Zoning District		moffett park specific plan		
☐ Use (If vacant, how long has it been vacant?)	commercial, retail	commercial / R&D	N/A	
☐ Lot Size (sq. ft.)	217,796 SF	217,796 SF		min.
☐ Gross Floor Area (sq. ft.)	89,142 SF (per ALTA)	293,996 SF	294,027 SF	max.
☐ Lot Coverage (%)	29,656 +/- SF	SEE G2.03	70%	max.
☐ Floor Area Ratio (FAR)	217/49 = 0.23	1.35	0.35 / 1.35 / 2.0	max.
☐ Gross Floor Area of Tenant (sq. ft.)	n/a	n/a	n/a	
☐ Building Height (ft.)	34.6'	85'	145'	max.
☐ No. of Stories	2 stories	6 stories	n/a	max.
☐ No. of Buildings On-Site	2 buildings	1 building m	n/a	
☐ Distance Between Buildings (ft.)	n/a	n/a xodium)	n/a	max.
☐ Front Setbacks	93'	39-92' (from PL) / 47'-92' (from PBWL)	10' min; 40' max	min.
☐ Left Side Setbacks (facing property)	38'	12'-48' (from PL) / 12'-51' (from PBWL)	10' min; 40' max	min.
☐ Right Side Setbacks (facing property)	80'	43'-47'	10' min; 40' max	min.
☐ Rear Setback	73'	58'	10' min; 40' max	min.
☐ Landscaping (total sq. ft.)		49,374 SF	)F 43,560 SF	min.
☐ % Based on Lot Area		23 SF	20%	min.
☐ % Based on Parking Lot			n/a	min.
☐ Parking Lot Area Shading (%)		16%	50% min. in 15 yrs.	
☐ Water Conserving Plants (%)		80%	70%	min.
☐ Total No. of Parking Spaces	338	Public: 218 / Private: 582	Public: 294 / Private: 588	max.
☐ Standards	327	Public: 36 / Private: 120	N/A	min.
☐ Accessible Spaces	11	Public: 5 / Private: 8	Public: 4 / Private: 6	min.
☐ Covered Spaces	0	Public: 208 / Private: 568		min.
☐ Carpool Spaces	0	Public: 18 / Private: 47	8 %	min.
☐ Aisle Width (ft.)	20'-26' (varies)	24'	24'	min.
☐ Bicycle Parking (Class 1 / Class 2)		Class 1: 152 / Class 2: 38	Class 1: 147 / Class 2: 37	min.
☐ Impervious Surface Area (sq. ft.)	168,618 SF	168,189 SF	168,618 SF	max.
☐ Impervious Surface (%)	77.4%	77.2%	77.4%	max.
☒ Art In Private Development	Public Art Provided Onsite - project to coordinate with City of Sunnyvale			

One-Stop Permit Center at City Hall, 456 W. Olive Ave., 408-730-7580
Building and Planning Division representatives are available 8 a.m. - 12:30 p.m. and 1 p.m. - 5 p.m.
Sunnyvale.ca.gov - Search "Planning and Building"

Rev. 11/13

4 SUNNYVALE PROJECT DATA SHEET

6 PARKING CALCULATION

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333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

PROJECT DATA

G0.02

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GENERAL INFORMATION

BUILDING ADDRESS:	333-385 MOFFETT PARK DRIVE, SUNNYVALE, CA 94089
APN:	110-34-005
LOT AREA:	217,798 SF
ZONING :	MP-02
NEIGHBORHOOD:	SUNNYVALE, CA
PROPERTY DEV. AREA:	SoJa (South of Java)
LOT COVERAGE:	82,650 SF/ 217,798 SF= 38%
F.A.R.:	294,000 SF/ 217,798 SF= 1.35
SCOPE OF WORK:	SEE SCOPE OF WORK SECTION

APPLICABLE CODES

2022 CALIFORNIA TITLE 24 REGULATIONS (CALIFORNIA BUILDING STANDARDS CODE) INCLUDES:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC PART 1)
2022 CALIFORNIA BUILDING CODE (CBC PART 2)
2022 CALIFORNIA ELECTRICAL CODE (CEC PART 3)
2022 CALIFORNIA MECHANICAL CODE (CMC PART 4)
2022 CALIFORNIA PLUMBING CODE (CPC PART 5)
2022 CALIFORNIA ENERGY CODE (CEC PART 6)
2022 CALIFORNIA FIRE CODE (CFC PART 9)
2022 CALIFORNIA EXISTING BUILDING CODE (PART 10)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN PART 11)
2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12)

APPLICABLE LOCAL ZONING ORDINANCES.
MOFFETT PARK SPECIFIC PLAN

NOTES:
ALONG WITH OTHER APPLICABLE CA STATE LAWS, LOCAL APPLICABLE CODES
AND REGULATIONS, THE MORE RESTRICTIVE PROVISIONS AND ADOPTED ORDINANCES SHALL PREVAIL.

CBC CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE

MIXED USED OCCUPANCY

BUSINESS	GROUP B (SEC. 304.1): COMMERCIAL OFFICE
	GROUP A ACCESSORY TO B (506.2): ELEVATOR LOBBIES
ASSEMBLY	GROUP A-3 (SEC. 303.4): AMENITY TERRACE; BUILDING LOBBIES
PARKING	GROUP S-2 (SEC. 311.3): PARKING GARAGE

CBC CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREA

BUILDING AREAS (SEPARATED, MIXED OCCPANCY) (SECTION 503)

STORY	OCCUPANCY GROUP	DESIGNATED AREA	ALLOWABLE AREA
1	A-3	6,791 SF	UNLIMITED
	B	5,815 SF	UNLIMITED
	S-2	95,313 SF	296,250 SF (W/ AREA INCR)
2	B	3,057 SF	UNLIMITED
	S-2	101,488 SF	296,250 SF (W/ AREA INCR)
3	S-2	110,493 SF	296,250 SF (W/ AREA INCR)
4	B	74,732 SF	UNLIMITED
5	B	75,967 SF	UNLIMITED
6	B	76,267 SF	UNLIMITED

MIXED OCCUPANCY ALLOWABLE HEIGHT AND STORIES (ABOVE GRADE) (TABLE 504,3):
OCCUPANCY: A-3,B, S-2
ALLOWABLE HEIGHT: 180 FT ABOVE GRADE PLANE
PROPOSED HEIGHT: 85 FT MAX TOP OF ROOFING HEIGHT (EXCL: PARAPETS, PENTHOUSES, ROOF SCREENS, ETC.)

ALLOWABLE NO. OF STORIES ABOVE GRADE PLANE: 12
PROPOSED: 3 STORIES OFFICE OVER 3 STORIES ABOVE GRADE PARKING

MIXED OCCUPANCY ALLOWABLE AREAS (TABLE 506.2):

BUSINESS & STORAGE	SPRINKLER	MAX. ALLOWABLE FACTOR
B&S2	SM	69,000 SF

MIXED OCCUPANCY AREA CALCULATIONS (SEC. 506.2.4)
Aa = [At + (Ns x If)] (SEC. 506.2.4)

If = [F/P – 0.25] W/30

CBC CHAPTER 6 - TYPE OF CONSTRUCTION
TYPE I-B
FULL SPRINKLERED : YES (NFPA 13)
HIGH-RISE: NO

FIRE RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS (CBC TABLE 601)

BUILDING ELEMENT	FIRE RESISTANCE RATING REQUIRED	FIRE RESISTANCE RATING PROVIDED	REMARKS
PRIMARY STRUCTURAL FRAMING	2	2	-
BEARING WALLS (EXTERIOR)	2	2	-
BEARING WALLS (INTERIOR)	2	2	-
NONBEARING WALLS AND PARTITIONS (INTERIOR)	0	.	-
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	2	2	-
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	1	1	-

FIRE RESISTANCE REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (CBC TABLE 705.5)

FIRE SEPARATION DISTANCE = X FEET	FIRE SEPARATION REQUIRED	FIRE SEPARATION PROVIDED	FIRE RATING REQUIRED	FIRE RATING PROVIDED	REMARKS
NORTH	30'	45'-3"	0	0	-
SOUTH	30'	42'-4"	0	0	-
EAST	30'	41'-2"	0	0	-
WEST	30'	41'-11"	0	0	-

CBC CHAPTER 7 - FIRE AND SMOKE PROTECTION

EXTERIOR WALLS PROJECTION (SEC. 705.2):

ALLOWABLE PROJECTIONS (PER SECTION AND TABLE 705.2)

	FIRE SEPARATION DISTANCE(FSD)	REQ. DIST.	PROVIDED	REMARKS
NORTH	45'-3"	40" MAX	6" CORNICE	
SOUTH	42'-4"	40" MAX	6" CORNICE	
EAST	41'-2"	40" MAX	6" CORNICE	
WEST	41'-11"	40" MAX	6" CORNICE	

NP = NOT PERMITTED

EXTERIOR WALLS OPENINGS ALLOWED (SEC. 705.8):
ALLOWABLE PROJECTIONS (PER SECTION AND TABLE 705.8)

	FIRE SEPARATION DISTANCE(FSD)	REQ. DIST.	PROVIDED	REMARKS
NORTH	45'-3"	>30	NO LIMIT	UNPROTECTED/ SPRINK.
SOUTH	42'-4"	>30	NO LIMIT	UNPROTECTED/ SPRINK.
EAST	41'-2"	>30	NO LIMIT	UNPROTECTED/ SPRINK.
WEST	41'-11"	>30	NO LIMIT	UNPROTECTED/ SPRINK.

NP = NOT PERMITTED

FIRE-RATED CONSTRUCTION (SEC. 713.4):
2HR SHAFT - 4 OR MORE STORIES (INCLUDING BASEMENTS)

FIRE-RATED OPENING PROTECTIVES (SEC. 716.4):

2 HR WALL	1 1/2 HR DOOR	SHAFT, INTERIOR EXIT STAIRWAYS
1 HR WALL	1 HR DOOR	FIRE BARRIER: SHAFT, EXIT ACCESS STAIRWAY, ETC.
1 HR WALL	45 MIN DOOR	OTHER FIRE BARRIERS/PARTITIONS
1 HR WALL	20 MIN DOOR	FIRE PARTITION: CORRIDOR WALLS

CBC CHAPTER 8 - INTERIOR FINISHES

INTERIOR WALL AND CEILING FINISHES REQUIREMENTS BY OCCUPANCY (SEC. 803.13):

OCCUPANCY	INTERIOR EXIT STAIRWAYS AND GROUP RAMPS AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAY AND RAMPS	ROOMS AND ENCLOSED SPACES
A-3	B	B	C
B	B	C	C
S-2	C	C	C
-	-	-	-

FLOORS TO MEET THE REQUIREMENTS OF SECTION 804.

CBC CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS

AUTOMATIC SPRINKLER SYSTEM (SEC. 903):
PROVIDED

PORTABLE FIRE EXTINGUISHERS (SEC. 906):
TO BE PROVIDED IN ALL OCCUPANCIES,
LOW ORDINARY HAZARD
2-A RATING
11,250 SF MAX.PER EXTINGUISHER
75FT MAX DISTANCE

FIRE ALARM (SEC. 907):
EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM TO BE PROVIDED THAT COMPLIES WITH CBC SECTION 907.5.2.2

CBC CHAPTER 10 MEANS OF EGRESS

DESIGN OCCUPANT LOAD (SEC. 1004.1):

MAX. FLOOR AREA ALLOWANCES PER OCCUPANT	
ASSEMBLY (UNCONCENTRATED)	15 SF NET
ASSEMBLY (BENCHES)	1 PER 18" OF LENGTH
BUSINESS (UNCONCENTRATED)	150 SF GROSS
PARKING GARAGES	200 SF GROSS
ACCESSORY STORAGE/MECH.	300 SF GROSS

MEANS OF EGRESS SIZING (SEC. 1005):
SEE EGRESS PLANS FOR ACTUAL CAPACITIES

	WIDTH (INCHES/OCCUPANT)	
STAIRWAYS	0.2	(SEC. 1005.3.1 EXCEPTION 1)
OTHER EGRESS COMPONENTS	0.15	(SEC. 1005.3.2 EXCEPTION 2)

EGRESS CONVERGENCE AT LEVEL 1 (SEC. 1005.6)

SPACES WITH A SINGLE EXIT (SPRINKLER) (SEC. 1006.2.1):

GROUP	MAX. OCC. LOAD	MAX. COMMON PATH OF EGRESS
A-3	49	75 FT
B	49	100 FT
S-2	29	100 FT

NUMBER OF EXITS (SEC. 1006.3.1):

OCCUPANTS	NUMBER OF EXITS OR EXIT ACCESS PER STORY
1-500	2 REQUIRED, 2 PROVIDED (BUILDING B)
501-1000	3 REQUIRED, 3 PROVIDED (BUILDING A)
1001+	4 REQUIRED, 4 PROVIDED (PODIUM ROOFDECK ONLY)

CONFIGURATION (SEC. 1007.1.1 EXCEPTION 2):
TWO EXITS, EXIT ACCESS DOORWAYS, EXIT ACCESS STAIRWAYS OR RAMPS, OR ANY COMBINATION THEREOF THEY SHALL BE PLACED A DISTANCE APART NOT LESS THAN ONE THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

ALL DIAGONALS SHOWN ON EGRESS PLANS CONFORM.

ACCESSIBLE MEANS OF EGRESS (SEC. 1009.2.1):
1 ELEVATOR PER BUILDING (A AND B) TO BE PROVIDED WITH AN ELEVATOR T THAT MEETS SECTION 1009.4. ELEVATOR CONNECTED TO EMERGENCY POWER.

DOORS, GATES AND TURNSTILES (SEC. 1010.1):
DOOR MIN. CLEAR WIDTH: 32" WITH MAX. LEAF 48" WIDE.

STAIRWAYS (SEC. 1011.2):
WIDTH: 44" MIN., 36" IF OCC. LOAD <50 (EXCEPTION 1)
HEADROOM: 80" MIN.
RISER HEIGHT: 4" MIN - 7" MAX.
RISER DEPTH: 11" MIN.

EXIT ACCESS TRAVEL DISTANCE (SPRINKLER) (SEC. 1017):

GROUP	MAX. EXIT ACCESS TRAVEL DISTANCE
A	250 FT
B	300 FT
S-2	400 FT

DEAD END CORRIDOR MAX LENGTH (SEC. 1020.5):

GROUP	MAX. DEAD END
A	20 FT
B	50 FT
S-2	50 FT

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	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

CODE SUMMARY, OCCUPANCY SEPARATION SECTION, FIRE SEPARATION DIAGRAM

G1.01

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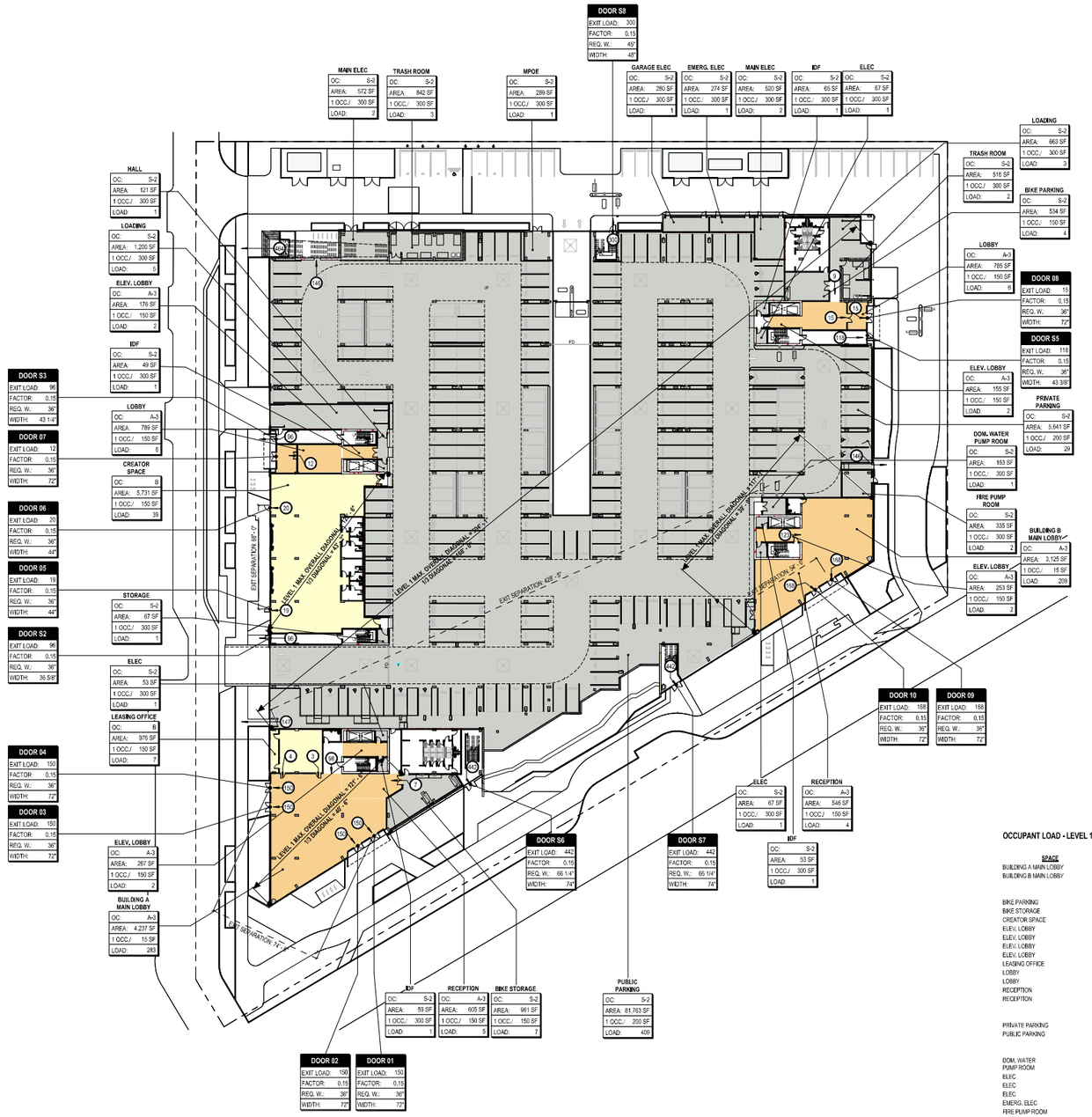

OCCUPANT LOAD - LEVEL 1/P1

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
BUILDING A MAIN LOBBY	4,237 SF	15	283
BUILDING B MAIN LOBBY	3,125 SF	15	209
	7,362 SF		492
BIKE PARKING	534 SF	150	4
BIKE STORAGE	961 SF	150	7
CREATOR SPACE	5,731 SF	150	39
ELEV. LOBBY	267 SF	150	2
ELEV. LOBBY	176 SF	150	2
ELEV. LOBBY	155 SF	150	2
ELEV. LOBBY	253 SF	150	2
LEASING OFFICE	976 SF	150	7
LOBBY	765 SF	150	6
LOBBY	789 SF	150	6
RECEPTION	605 SF	150	5
RECEPTION	546 SF	150	4
	11,776 SF		86
PRIVATE PARKING	5,641 SF	200	29
PUBLIC PARKING	81,763 SF	200	409
	87,404 SF		438
DOM. WATER PUMP ROOM	163 SF	300	1
ELEC	67 SF	300	1
ELEC	53 SF	300	1
ELEC	67 SF	300	1
EMERG. ELEC	274 SF	300	1
FIRE PUMP ROOM	335 SF	300	2
GARAGE ELEC	280 SF	300	1
HALL	121 SF	300	1
IDF	53 SF	300	1
IDF	59 SF	300	1
IDF	65 SF	300	1
IDF	49 SF	300	1
LOADING	663 SF	300	3
LOADING	1,200 SF	300	5
MAIN ELEC	572 SF	300	2
MAIN ELEC	520 SF	300	2
MPOE	289 SF	300	1
STORAGE	67 SF	300	1
TRASH ROOM	842 SF	300	3
TRASH ROOM	516 SF	300	2
	6,256 SF		32
	112,786 SF		1048

1 FLOOR PLAN - LEVEL 1/P1 — 1/32" = 1'-0"

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

- FOR FIRE DOOR RATINGS SEE CBC TABLE 716.1(2)
- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

FIRE EXTINGUISHERS (CFC SEC.906)

ALL FEC ARE SURFACE MOUNTED.
MAX TRAVEL DIST TO NEAREST FEC NOT TO EXCEED 75'

- FEC — FEC LOCATION
- FH — FIRE HOSE CABINET
- STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- A-3
- B
- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC./	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	EL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	OL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

EXIT ACCESS TRAVEL DISTANCE

- CP = 42' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- 20 — DIRECTION OF EGRESS
- 24 — EXIT LOAD
- CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.

- EXIT SEPARATION: 54' - 0" — SEPARATION BETWEEN EXITS
- NAME OF THE SERVED AREA
- MAXIMUM DIAGONAL OF SERVED AREA
- Suite #1 MAX. OVERALL DIAGONAL = 29' - 0"
- 1/3 DIAGONAL = 9' - 8" — MAX. DIAGONAL DIVIDED BY 3 (= MIN. SEPARATION BETWEEN EXITS ALLOWED)

OCCUPANCY & EXITING LEGEND — 1/8" = 1'-0"

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	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

CODE ANALYSIS PLANS

G1.02

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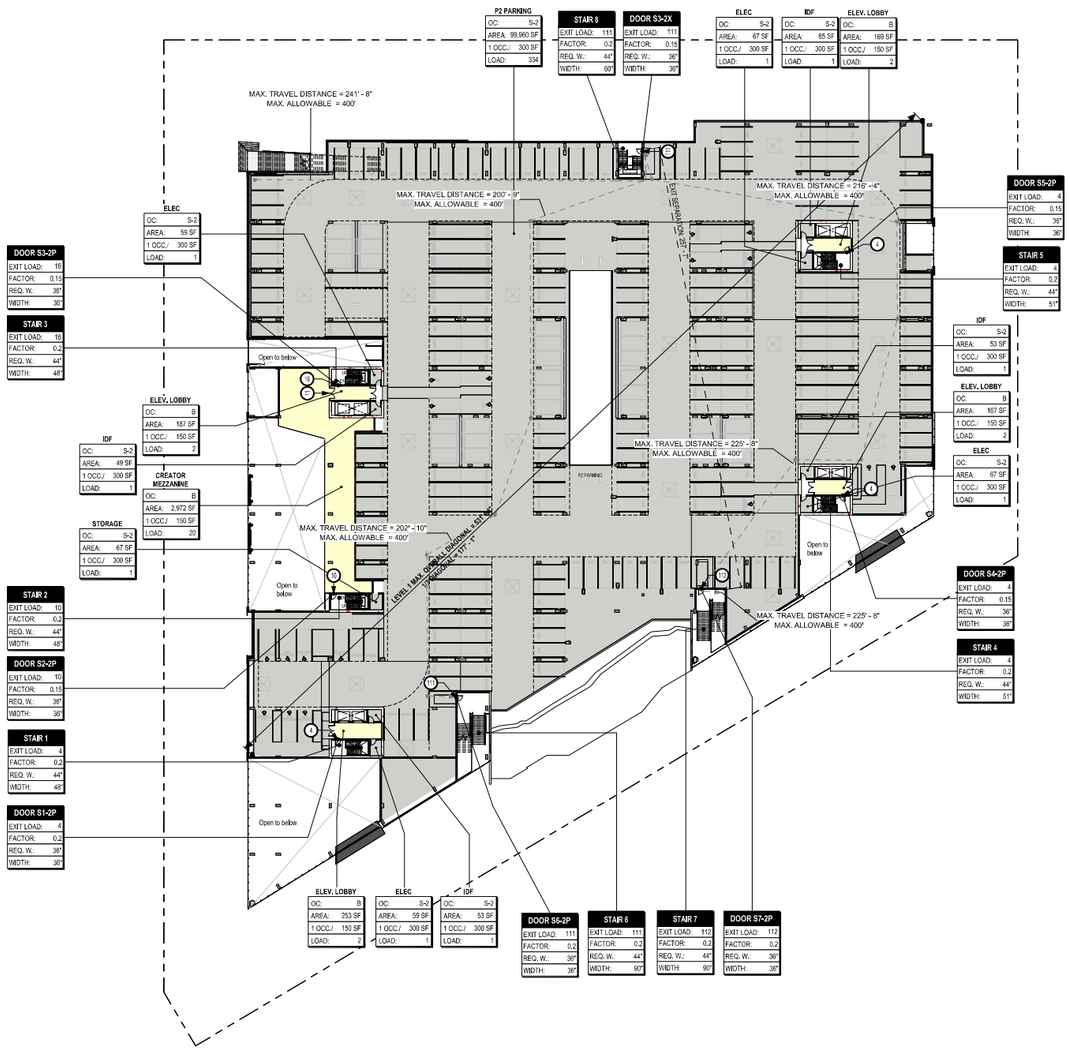


1 FLOOR PLAN - LEVEL 1/P2 1/32" = 1'-0"

OCCUPANT LOAD - LEVEL 1/P2

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
CREATOR MEZZANINE	2,972 SF	150	20
ELEV. LOBBY	167 SF	150	2
ELEV. LOBBY	187 SF	150	2
ELEV. LOBBY	253 SF	150	2
ELEV. LOBBY	169 SF	150	2
	3,747 SF		28
ELEC	67 SF	300	1
ELEC	59 SF	300	1
ELEC	67 SF	300	1
ELEC	59 SF	300	1
IDF	49 SF	300	1
IDF	53 SF	300	1
IDF	65 SF	300	1
IDF	53 SF	300	1
P2 PARKING	99,960 SF	300	334
STORAGE	67 SF	300	1
	100,498 SF		343
	104,246 SF		371

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

- FOR FIRE DOOR RATINGS SEE CBC TABLE 716.1(2)
- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

FIRE EXTINGUISHERS (CFC SEC.906)

ALL FEC ARE SURFACE MOUNTED.
MAX TRAVEL DIST TO NEAREST FEC NOT TO EXCEED 75'

- FEC-C — FEC LOCATION
- FH — FIRE HOSE CABINET
- — STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- B
- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC.:	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	EL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	OL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

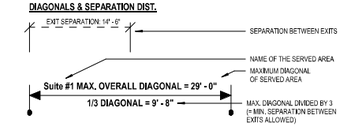
EXIT ACCESS TRAVEL DISTANCE

- CP = 43' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- 55 — DIRECTION OF EGRESS
- 24 — EXIT LOAD
- CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.



OCCUPANCY & EXITING LEGEND 1/8" = 1'-0"

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333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

CODE ANALYSIS PLANS

G1.03

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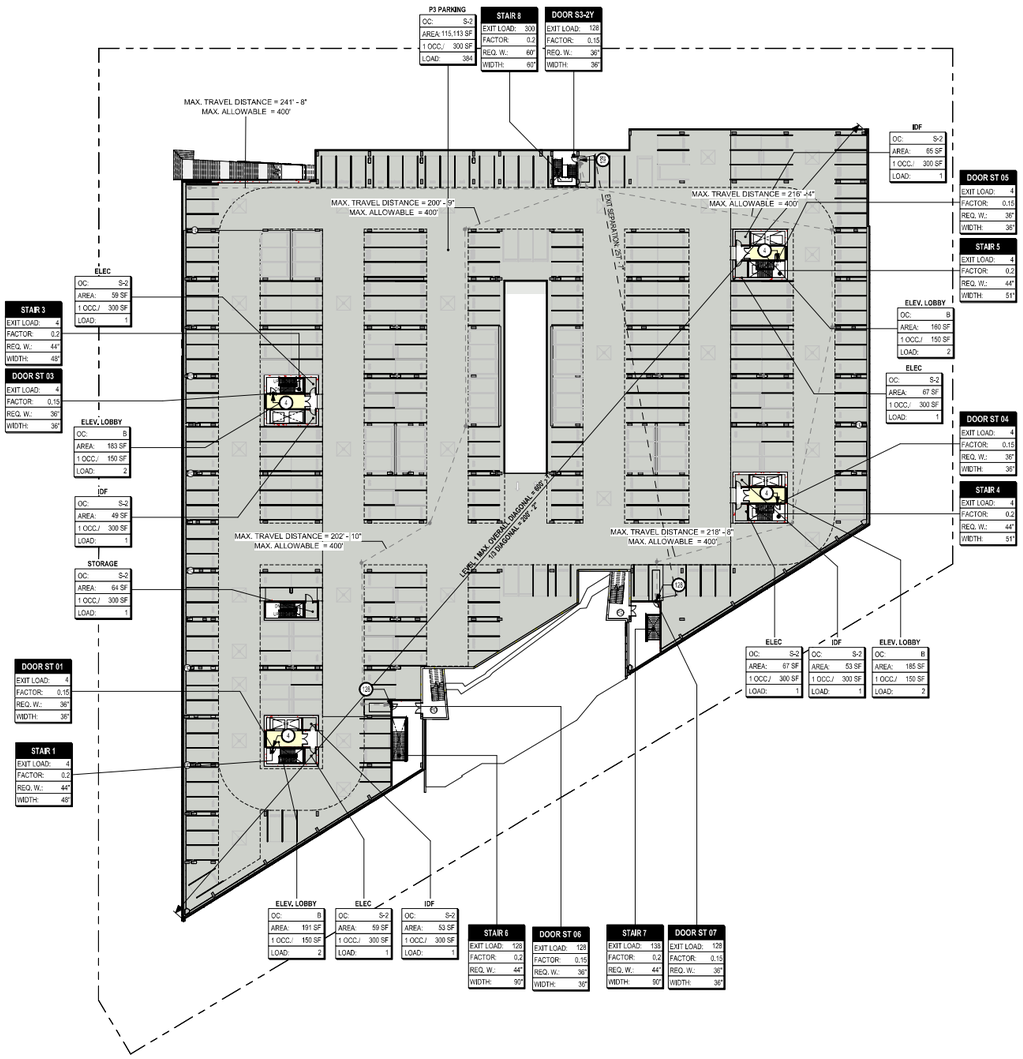

1 FLOOR PLAN - LEVEL 1/P3 — 1/32" = 1'-0"

OCCUPANT LOAD - LEVEL 1/P3

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
ELEV. LOBBY	160 SF	150	2
ELEV. LOBBY	183 SF	150	2
ELEV. LOBBY	191 SF	150	2
ELEV. LOBBY	185 SF	150	2
	718 SF		8
ELEC	59 SF	300	1
ELEC	59 SF	300	1
ELEC	67 SF	300	1
ELEC	67 SF	300	1
IDF	53 SF	300	1
IDF	49 SF	300	1
IDF	53 SF	300	1
IDF	65 SF	300	1
P3 PARKING	115,113 SF	300	384
STORAGE	64 SF	300	1
	115,649 SF		393
	116,368 SF		401

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

- FOR FIRE DOOR RATINGS SEE CBC TABLE 716.1(2)
- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

FIRE EXTINGUISHERS (CFC SEC.906)

ALL FEC ARE SURFACE MOUNTED.
MAX TRAVEL DIST TO NEAREST FEC NOT TO EXCEED 75'

- FEC-C — FEC LOCATION
- FH — FIRE HOSE CABINET
- S — STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- B
- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC./	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	E1
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	OL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

EXIT ACCESS TRAVEL DISTANCE

- CP = 43' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- 25 — DIRECTION OF EGRESS
- 74 — EXIT LOAD
- CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.

- EXIT SEPARATION: 14' - 6" — SEPARATION BETWEEN EXITS
- NAME OF THE SERVED AREA
- MAXIMUM DIAGONAL OF SERVED AREA
- Suite #1 MAX. OVERALL DIAGONAL = 29' - 0"
- 1/3 DIAGONAL = 9' - 8" — MAX. DIAGONAL DIVIDED BY 3 (= MIN. SEPARATION BETWEEN EXITS ALLOWED)

OCCUPANCY & EXITING LEGEND — 1/8" = 1'-0"

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	2025.07.29	SMP SUBMITTAL REV- 03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

CODE ANALYSIS PLANS

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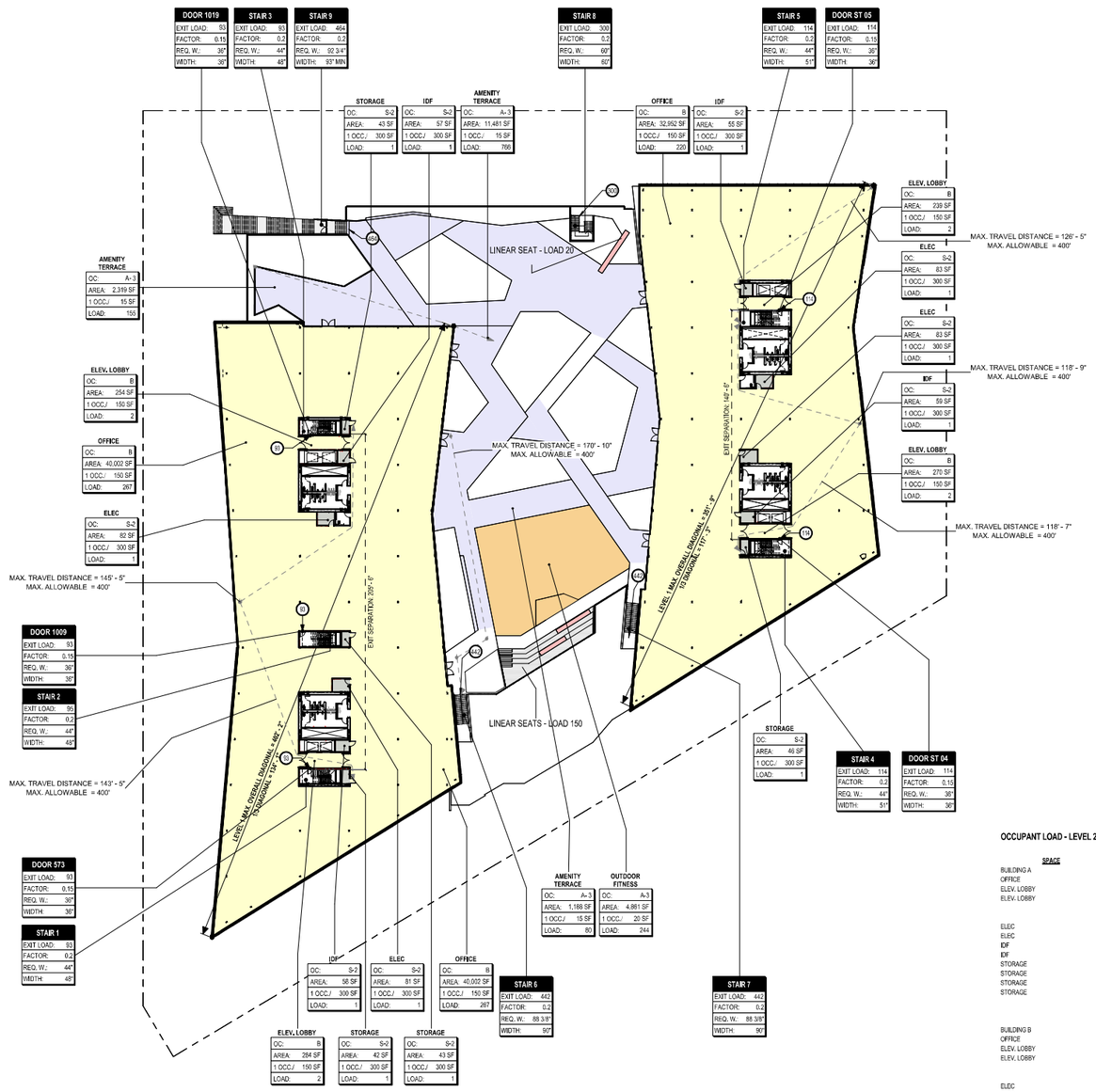

1 FLOOR PLAN - LEVEL 2 1/32" = 1'-0"

OCCUPANT LOAD - LEVEL 2

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
BUILDING A			
OFFICE	40,002 SF	150	267
ELEV. LOBBY	284 SF	150	2
ELEV. LOBBY	254 SF	150	2
	40,540 SF		271
ELEC	81 SF	300	1
ELEC	82 SF	300	1
IDF	58 SF	300	1
IDF	57 SF	300	1
STORAGE	42 SF	300	1
STORAGE	43 SF	300	1
STORAGE	43 SF	300	1
STORAGE	46 SF	300	1
	452 SF		8
	40,992 SF		279
BUILDING B			
OFFICE	32,952 SF	150	220
ELEV. LOBBY	270 SF	150	2
ELEV. LOBBY	239 SF	150	2
	33,461 SF		224
ELEC	83 SF	300	1
ELEC	83 SF	300	1
IDF	59 SF	300	1
IDF	55 SF	300	1
	280 SF		4
	33,741 SF		228
TERRACE			
LINEAR SEAT - LOAD 20	90 SF	3.5	26
	90 SF		26
LINEAR SEATS - LOAD 150	942 SF	6.3	150
	942 SF		150
AMENITY TERRACE	11,481 SF	15	766
AMENITY TERRACE	1,188 SF	15	80
AMENITY TERRACE	1,490 SF	15	100
AMENITY TERRACE	1,896 SF	15	127
AMENITY TERRACE	2,319 SF	15	155
	18,375 SF		1228
OUTDOOR FITNESS	4,861 SF	20	244
	4,861 SF		244
	24,268 SF		1648

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

- FOR FIRE DOOR RATINGS SEE CBC TABLE 716.1(2)
- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

FIRE EXTINGUISHERS (CFC SEC.906)

ALL FEC ARE SURFACE MOUNTED.
MAX TRAVEL DIST TO NEAREST FEC NOT TO EXCEED 75'

- FEC-C — FEC LOCATION
- FH — FIRE HOSE CABINET
- STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- A-3
- A- 3
- B
- LINEAR FOOTAGE
- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC./	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	Ei
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	Oti
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

EXIT ACCESS TRAVEL DISTANCE

- CP = 43' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- 25 — DIRECTION OF EGRESS
- 34 — EXIT LOAD
- CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.

- EXIT SEPARATION: 14' - 6" — SEPARATION BETWEEN EXITS
- NAME OF THE SERVED AREA
- MAXIMUM DIAGONAL OF SERVED AREA
- Suite #1 MAX. OVERALL DIAGONAL = 29' - 0"
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OCCUPANCY & EXITING LEGEND 1/8" = 1'-0"

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	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

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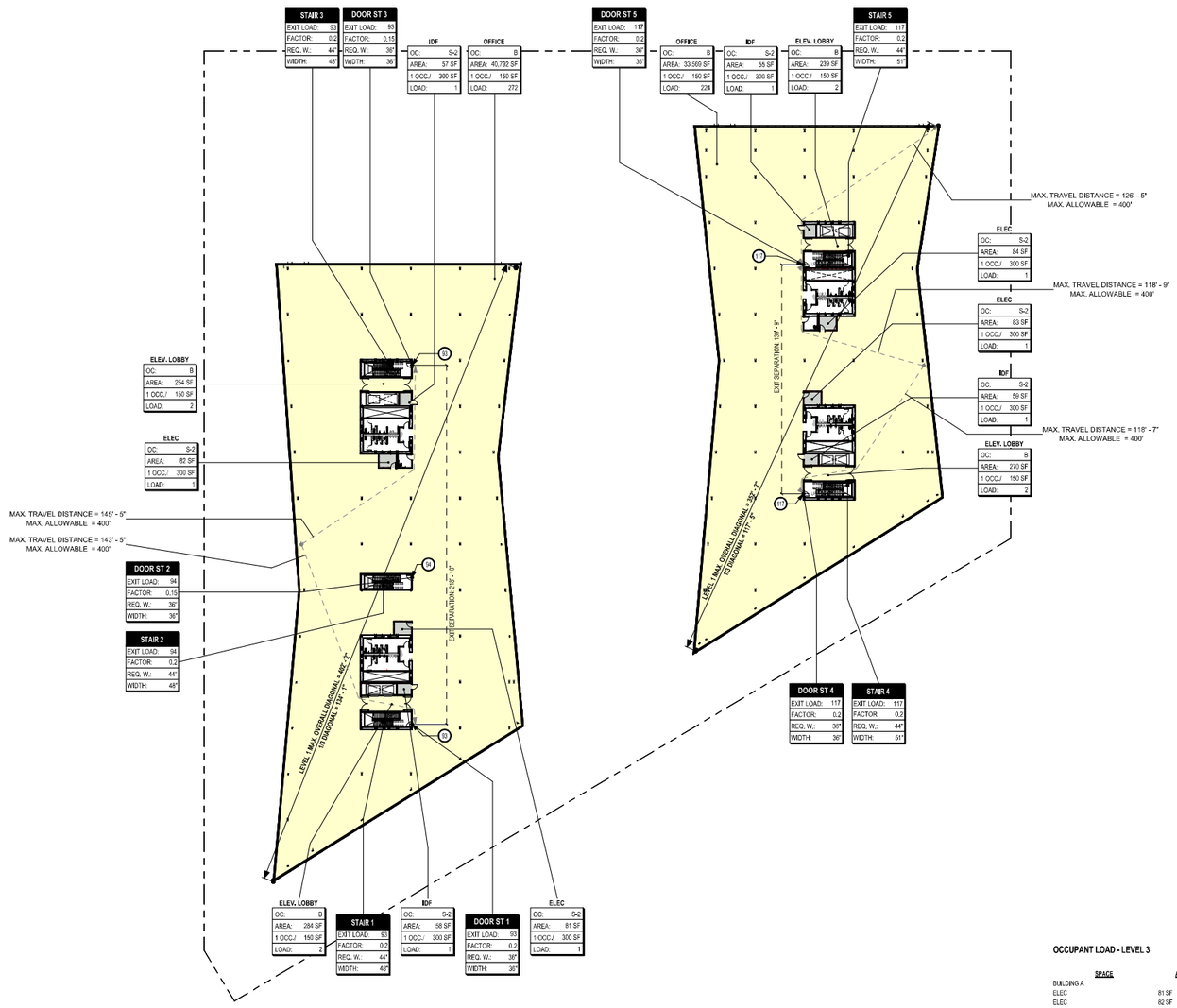

1 FLOOR PLAN - LEVEL 3 1/32" = 1'-0"

OCCUPANT LOAD - LEVEL 3

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
BUILDING A			
ELEC	81 SF	300	1
ELEC	62 SF	300	1
IDF	58 SF	300	1
IDF	57 SF	300	1
	279 SF		4
ELEV. LOBBY	284 SF	150	2
ELEV. LOBBY	254 SF	150	2
	538 SF		4
OFFICE	40,792 SF	150	272
	40,792 SF		272
	41,609 SF		280
BUILDING B			
ELEC	83 SF	300	1
ELEC	84 SF	300	1
IDF	55 SF	300	1
IDF	59 SF	300	1
	280 SF		4
ELEV. LOBBY	270 SF	150	2
ELEV. LOBBY	239 SF	150	2
	508 SF		4
OFFICE	33,569 SF	150	224
	33,569 SF		224
	34,358 SF		232

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

- FOR FIRE DOOR RATINGS SEE CBC TABLE 716.1(2)
- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

FIRE EXTINGUISHERS (CFC SEC.906)

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MAX TRAVEL DIST TO NEAREST FEC NOT TO EXCEED 75'

- FEC-C — FEC LOCATION
- FH — FIRE HOSE CABINET
- S — STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- B
- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC./	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	Ei
FACTOR:	0.2
REQ. W.:	Req'd
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	OL
FACTOR:	0.2
REQ. W.:	Req'd
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

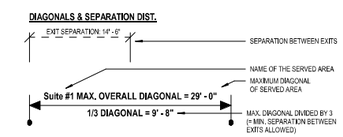
EXIT ACCESS TRAVEL DISTANCE

- CP = 43' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- 25 — DIRECTION OF EGRESS
- 34 — EXIT LOAD
- CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.



OCCUPANCY & EXITING LEGEND 1/8" = 1'-0"

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	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
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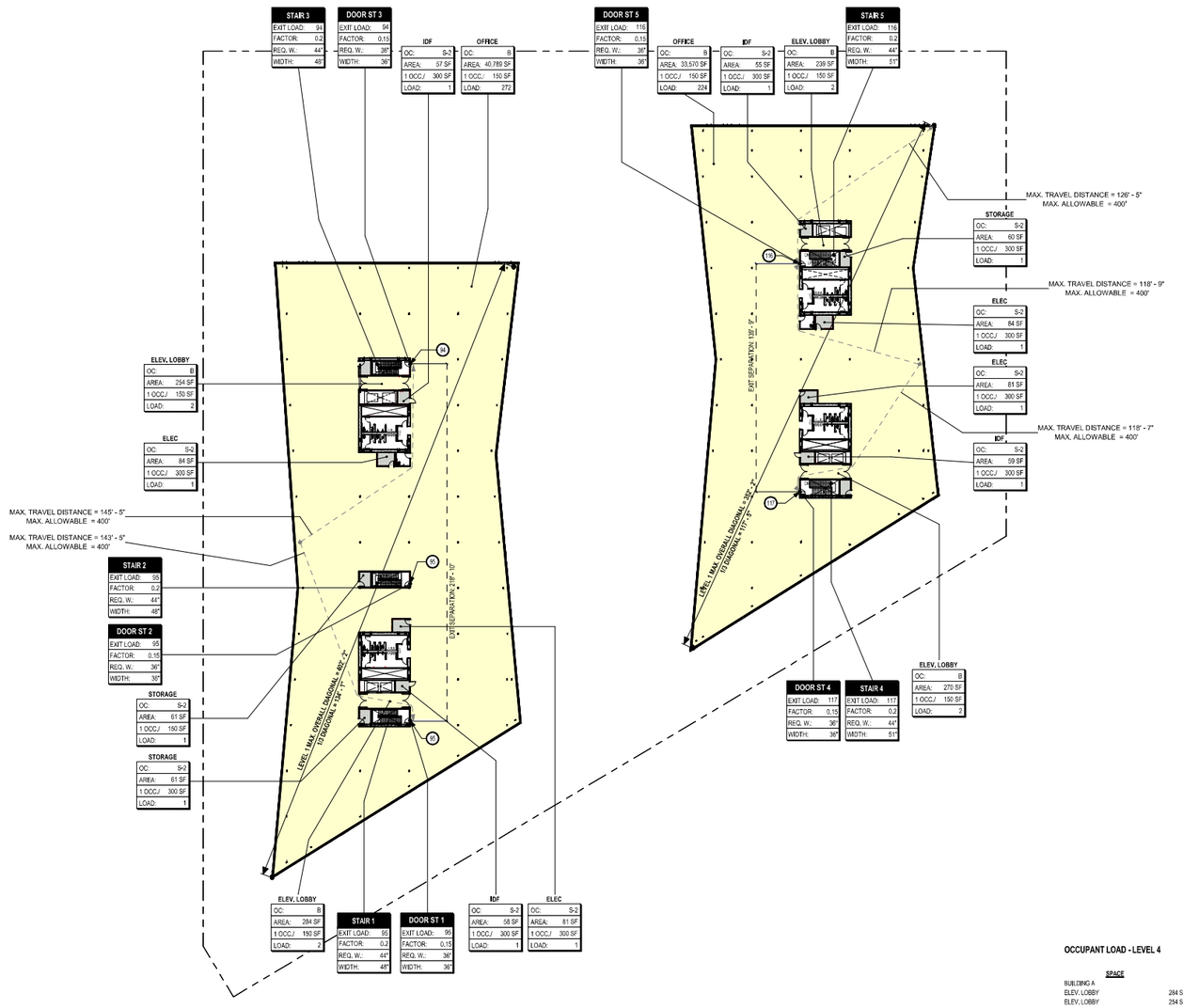

OCCUPANT LOAD - LEVEL 4

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
BUILDING A			
ELEV. LOBBY	284 SF	150	2
ELEV. LOBBY	254 SF	150	2
OFFICE	40,789 SF	150	272
STORAGE	61 SF	150	1
STORAGE	61 SF	150	1
	41,449 SF		278
ELEC	61 SF	300	1
ELEC	84 SF	300	1
IDF	58 SF	300	1
IDF	57 SF	300	1
STORAGE	61 SF	300	1
STORAGE	60 SF	300	1
	401 SF		6
	41,850 SF		284
BUILDING B			
OFFICE	33,570 SF	150	224
ELEV. LOBBY	270 SF	150	2
ELEV. LOBBY	239 SF	150	2
	34,079 SF		228
ELEC	61 SF	300	1
ELEC	84 SF	300	1
IDF	59 SF	300	1
IDF	55 SF	300	1
STORAGE	60 SF	300	1
	339 SF		5
	34,417 SF		233

1 FLOOR PLAN - LEVEL 4

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

- FOR FIRE DOOR RATINGS SEE CBC TABLE 716.1(2)
- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

FIRE EXTINGUISHERS (CFC SEC.906)

ALL FEC ARE SURFACE MOUNTED.
MAX TRAVEL DIST TO NEAREST FEC NOT TO EXCEED 75'

- FEC-C — FEC LOCATION
- FH — FIRE HOSE CABINET
- STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- B
- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC./	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	E1
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	OL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

EXIT ACCESS TRAVEL DISTANCE

- CP = 43' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- DIRECTION OF EGRESS
- 15 — EXIT LOAD
- 34 — CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.

- EXIT SEPARATION: 14' - 6" — SEPARATION BETWEEN EXITS
- NAME OF THE SERVED AREA
- MAXIMUM DIAGONAL OF SERVED AREA
- Suite #1 MAX. OVERALL DIAGONAL = 29' - 0"
- 1/3 DIAGONAL = 9' - 8" — MAX. DIAGONAL DIVIDED BY 3 (= MIN. SEPARATION BETWEEN EXITS ALLOWED)

OCCUPANCY & EXITING LEGEND 1/32" = 1'-0"

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	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

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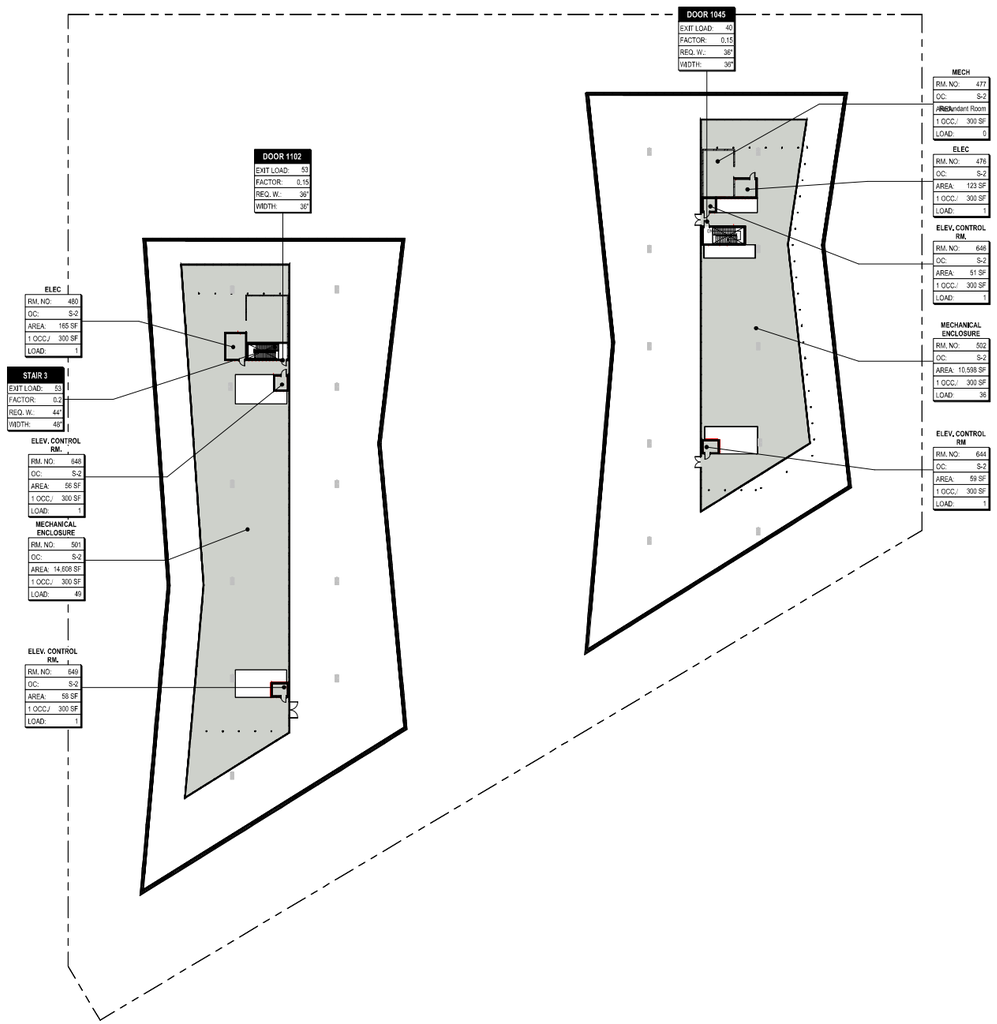

OCCUPANT LOAD - ROOF LEVEL

SPACE	AREA	OCCUPANT LOAD FACTOR	LOAD
BUILDING A			
MECHANICAL ENCLOSURE	14,608 SF	300	49
ELEV. CONTROL RM.	56 SF	300	1
ELEV. CONTROL RM.	58 SF	300	1
ELEC	165 SF	300	1
	14,887 SF		52
	14,887 SF		52
BUILDING B			
MECHANICAL ENCLOSURE	10,598 SF	300	36
ELEV. CONTROL RM	59 SF	300	1
ELEV. CONTROL RM.	51 SF	300	1
ELEC	123 SF	300	1
	10,831 SF		39
	10,831 SF		39

1 EGRESS - ROOF 1/32" = 1'-0"

PARTITION RATING

- 3 HOUR FIRE-RESISTANCE
- 2 HOUR FIRE-RESISTANCE
- 1 HOUR FIRE-RESISTANCE

PARTITION TYPE

- FIRE WALL
- FIRE BARRIER
- FIRE PARTITION
- SMOKE BARRIER
- SMOKE PARTITION

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- FOR FIRE WINDOWS SEE CBC TABLE 716.1(3)

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- STROBE
- P — PULL STATION

OCCUPANCY GROUPS

- S-2

ROOM TAG

Name	
RM. NO:	101
OC:	B
AREA:	150 SF
1 OCC./	100 SF
LOAD:	OL

- ROOM NAME
- ROOM NUMBER
- OCCUPANCY
- AREA IN SQUARE FEET
- OCCUPANCY LOAD FACTOR
- TOTAL SPACE OCCUPANCY LOAD

EXIT DOOR TAG

DOOR 1i	
EXIT LOAD:	EL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- DOOR MARK
- EXIT OCCUPANCY LOAD
- FACTOR
- DOOR CLEAR WIDTH REQUIRED
- DOOR CLEAR WIDTH PROVIDED

EXIT STAIR TAG

STAIR 1: B1-L1	
EXIT LOAD:	OL
FACTOR:	0.2
REQ. W.:	ReqW
WIDTH:	32"

- STAIR MARK
- LEVELS SERVED
- EXIT OCCUPANCY LOAD
- FACTOR
- CLEAR WIDTH REQUIRED
- CLEAR WIDTH PROVIDED

EXIT SIGN

- EXIT SIGN - CEILING HUNG
- DIRECTION OF EGRESS
- DIRECTION OF EGRESS
- EXIT SIGN - WALL HUNG

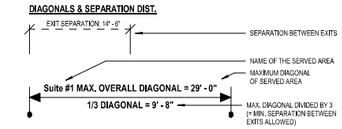
EXIT ACCESS TRAVEL DISTANCE

- CP = 43' - 0" — COMMON PATH OF TRAVEL
- EXIT
- 36" CLR PATH OF TRAVEL
- MOST REMOTE POINT ON LEVEL
- ACCESSIBLE PATH OF TRAVEL

EXIT LOAD TAG

- 50 — DIRECTION OF EGRESS
- 24 — EXIT LOAD
- CUMULATIVE EXIT LOAD

DIAGONALS & SEPARATION DIST.



OCCUPANCY & EXITING LEGEND 1/8" = 1'-0"

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	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

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project number: 22-387
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G1.08

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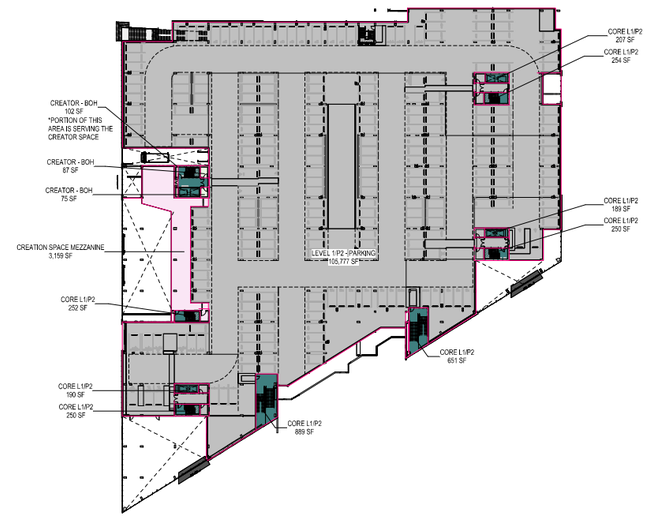
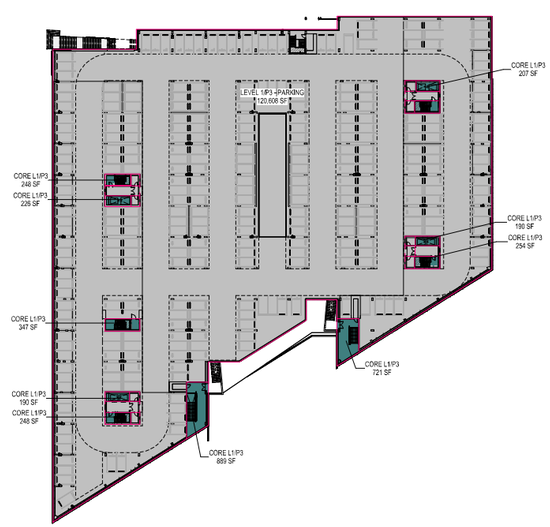
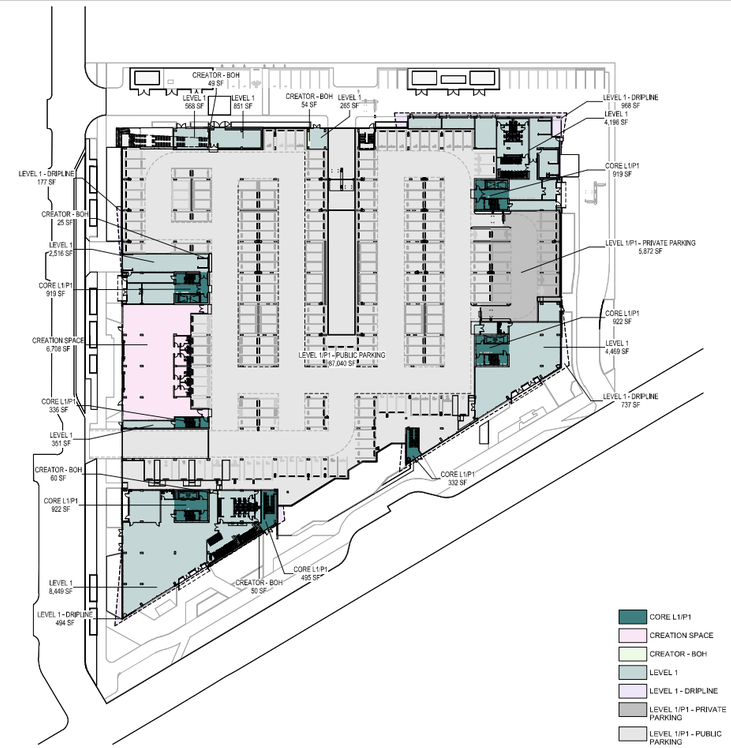
4 PHASING PLAN — 1" = 100'-0"



2 GSF PLANS / USE PLANS - LEVEL 1/P2 - SD — 1" = 50'-0"



3 GSF PLANS / USE PLANS - LEVEL 1/P3 - SD — 1" = 50'-0"



1 GSF PLANS / USE PLANS - LEVEL 1/P1 - SD — 1" = 50'-0"

GROSS BUILDING AREAS - FAR

Level L1/P1	
CORE L1/P1	4,845 SF
CREATION SPACE	6,708 SF
CREATOR - BOH	239 SF
LEVEL 1	22,939 SF
Level L1/P2	
CORE L1/P2	3,787 SF
CREATION SPACE MEZZANINE	3,159 SF
CREATOR - BOH	264 SF
Level L1/P3	
CORE L1/P3	3,775 SF
Level L2	
L2 CORE	7,236 SF
L2 SHAFT	627 SF
LEVEL 2	73,375 SF
Level L3	
L3 CORE	7,267 SF
L3 SHAFT	629 SF
LEVEL 3	74,759 SF
Level L4	
L4 CORE	7,350 SF
L4 SHAFT	741 SF
LEVEL 4	74,783 SF
ROOF Level	
ROOF	1,094 SF
TOTAL SF	293,958 SF

AREAS NOT INCLUDED IN G.S.F.

ELEVATED PLAZA	42,296 SF
LEVEL 1 - DRIPLINE	2,377 SF
LEVEL 1/P1 - PRIVATE PARKING	5,872 SF
LEVEL 1/P1 - PUBLIC PARKING	87,040 SF
LEVEL 1/P2 - PARKING	105,777 SF
LEVEL 1/P3 - PARKING	120,608 SF
TOTAL SF	363,969 SF

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	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

BUILDING AREA PLANS

G2.01

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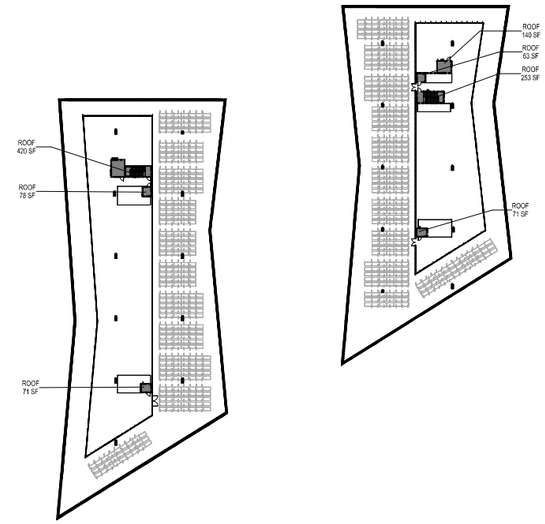
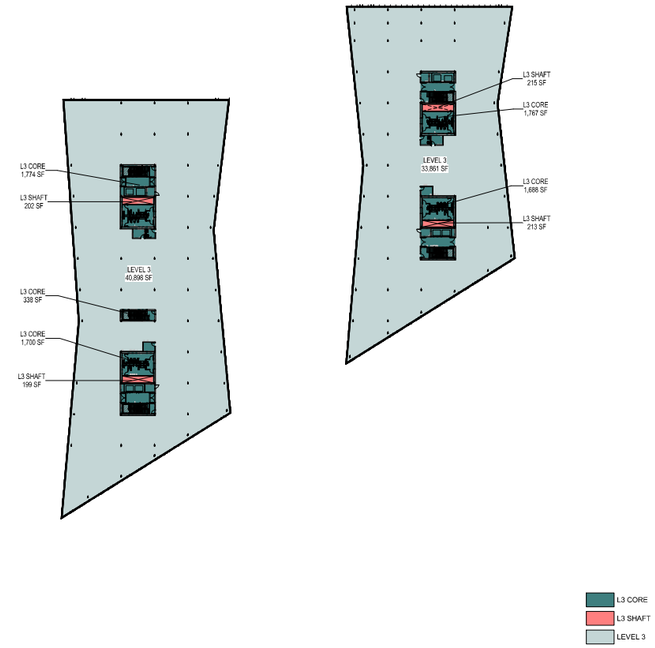
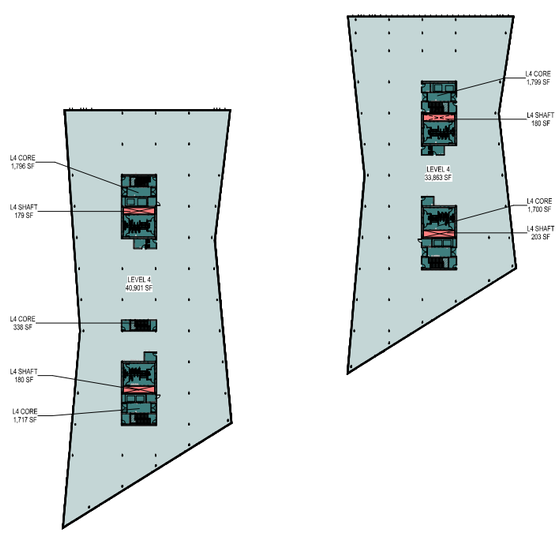


4 GSF PLANS / USE PLANS - ROOF - SD 1" = 50'-0"



2 GSF PLANS / USE PLANS - LEVEL 3 - SD 1" = 50'-0"



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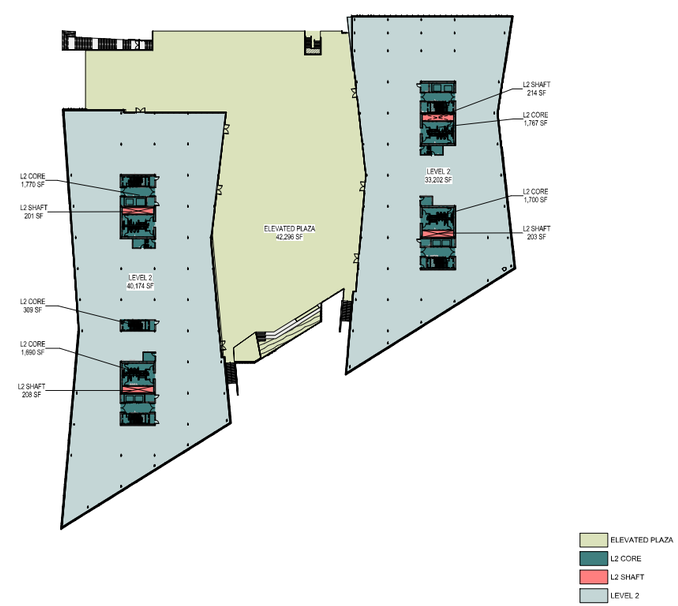

1 GSF PLANS / USE PLANS - LEVEL 2 - SD 1" = 50'-0"

GROSS BUILDING AREAS - FAR

Level L1/P1	
CORE L1/P1	4,845 SF
CREATION SPACE	6,708 SF
CREATOR - BOH	239 SF
LEVEL 1	22,939 SF
Level L1/P2	
CORE L1/P2	3,767 SF
CREATION SPACE MEZZANINE	3,159 SF
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Level L1/P3	
CORE L1/P3	3,775 SF
Level L2	
L2 CORE	7,236 SF
L2 SHAFT	827 SF
LEVEL 2	73,375 SF
Level L3	
L3 CORE	7,267 SF
L3 SHAFT	829 SF
LEVEL 3	74,759 SF
Level L4	
L4 CORE	7,350 SF
L4 SHAFT	741 SF
LEVEL 4	74,783 SF
ROOF Level	
ROOF	1,094 SF
TOTAL SF	293,958 SF

AREAS NOT INCLUDED IN G.S.F.

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LEVEL 1/P3 - PARKING	120,608 SF
TOTAL SF	363,969 SF

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	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

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BUILDING AREA PLANS

G2.02

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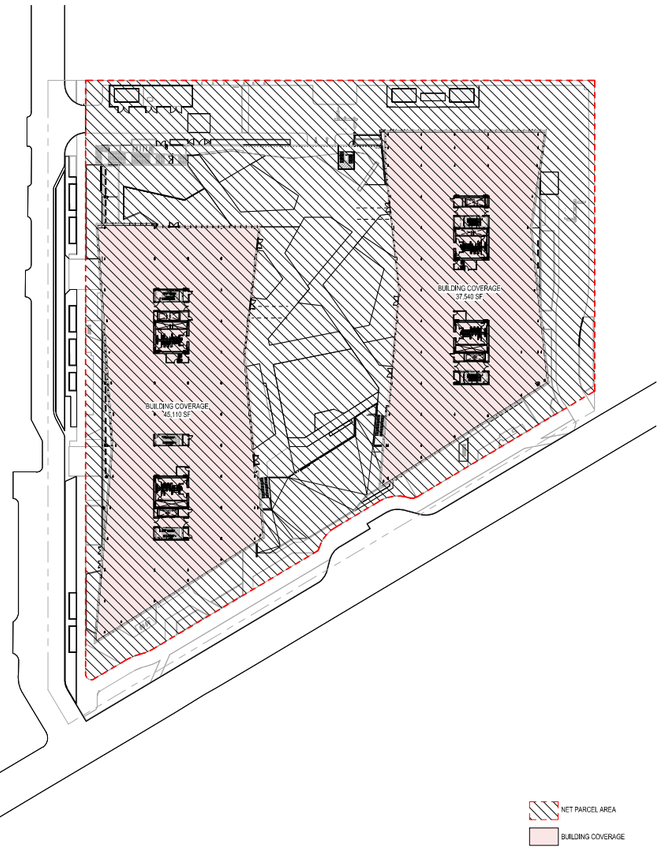
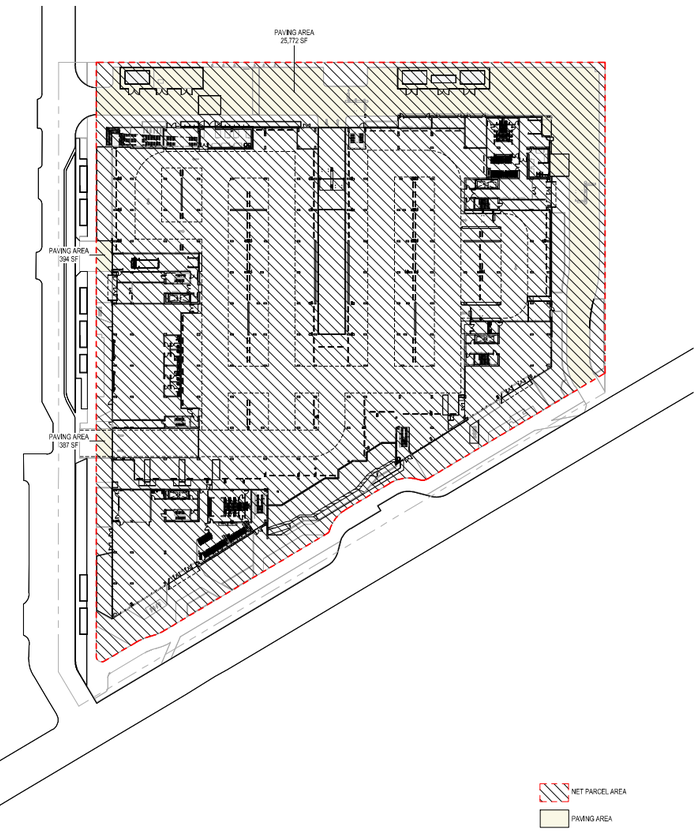


2 LEVEL 2 1" = 50'-0"



1 LEVEL 1 1" = 50'-0"

MOFFETT PARK SPECIFIC PLAN

CHAPTER 5.2.3 - BUILDING MASS COVERAGE AND PAVING AREA

BUILDING MASS COVERAGE	
REQUIRED	NON-RESIDENTIAL DEVELOPMENT OUTSIDE FINE GRAIN CORE - **70% MAXIMUM**
PROVIDED	NET PARCEL AREA = 188,129 SF PROVIDED BUILDING MASS COVERAGE = 82,650 SF 82,650 / 188,129 = 0.44 **TOTAL 44%**
PAVING AREA	
REQUIRED	NON-RESIDENTIAL DEVELOPMENT OUTSIDE FINE GRAIN CORE - **25% MAXIMUM**
PROVIDED	NET PARCEL AREA = 188,129 SF PROVIDED PAVING AREA = 26,553 SF 26,553 / 188,129 = 0.14 **TOTAL 14%**

MOFFETT PARK SPECIFIC PLAN SUMMARY 3" = 1'-0"

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	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

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LOT COVERAGE AND PAVING AREAS

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GREEN ROOF AREA

GREEN ROOF AREA TOTALS	
Name	Area
GREEN ROOF AREA	18,601 SF

1 Level L2 - GREEN ROOF AREAS 1" = 50'-0"

NET ROOF AREA

NET ROOF AREA TOTALS	
Name	Area
NET ROOF AREA	46,196 SF

2 Level ROOF - NET ROOF AREAS 1" = 50'-0"

MOFFETT PARK SPECIFIC PLAN

CHAPTER 5.4.3 - GREEN ROOFS

GREEN ROOF CALCULATIONS

REQUIRED	NET ROOF AREA BETWEEN 30,000 SF AND 49,999 SF = 40% GREEN ROOF PROVIDED.
NET ROOF AREA EXEMPTIONS	THE FOLLOWING USES ARE EXEMPT FROM NET ROOF AREA CALCULATIONS: CODIFIED AMENITY SPACES, CODIFIED SETBACKS, HVAC SYSTEMS, FIRE SUPPRESSION SYSTEMS, ASSOCIATED ASEMENTS AND SERVICE MAINTENANCE PATHWAYS TO ALL EQUIPMENT, AND EMERGENCY CORRIDORS. PUBLIC BUILDINGS AND MASS TIMBER BUILDINGS ARE FULLY EXEMPT FROM THIS STANDARD.
PROVIDED	NET ROOF AREA: 46,196 SF PROVIDED GREEN ROOF AREA: 18,601 SF 45,792 SF X 40% = 18,478 SF 18,601 SF > 18,478 SF
NOTES	NOTES ON EXCLUDED AREAS: 1) 6' ACCESS ASLE PROVIDED BETWEEN SOLAR PV PANELS FOR MAINTENANCE AND EGRESS. 2) 12' CLEARANCE FROM ALL ROOF EDGES FOR FACADE MAINTENANCE EQUIPMENT AND EGRESS. 3) ROOF MECHANICAL AREAS EXCLUDED. EXCEPT AT TOP OF ELEVATOR OVERRUNS AND ASSOCIATED ELECTRICAL ROOMS. 4) 6' EGRESS PATH PROVIDED BETWEEN SOLAR PV PANELS AND ROOF SCREEN.

MOFFETT PARK GREEN ROOF CALCULATION 3" = 1'-0"

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Consultant - Line 3
Consultant - Line 4
Consultant - Line 5

#	date	issue description
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

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NET ROOF AREA/ GREEN ROOF CALCULATION

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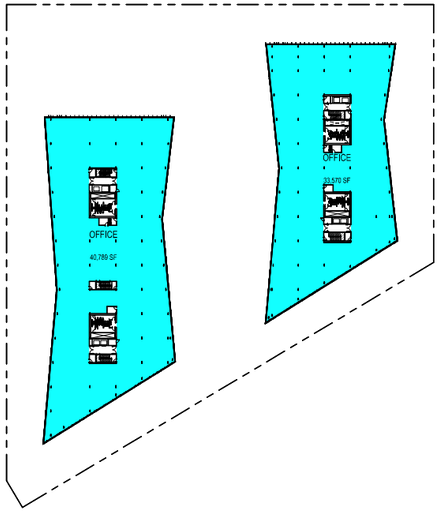
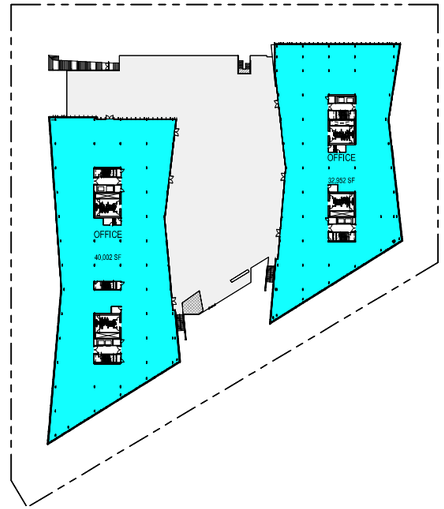
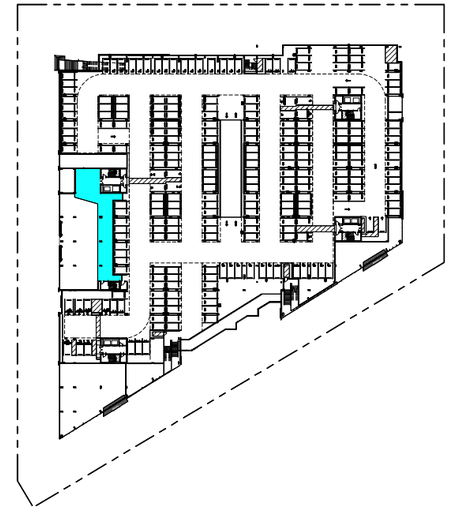


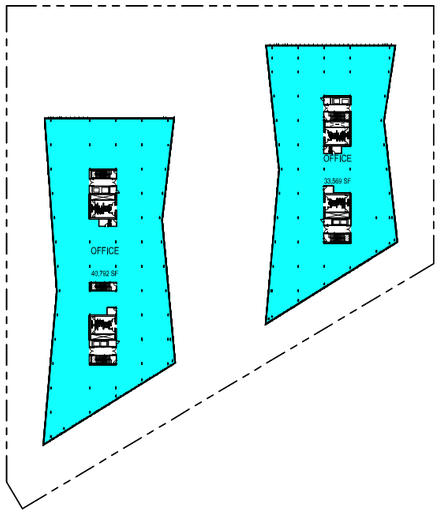
6 PCalcs - Level L4 1/64" = 1'-0"



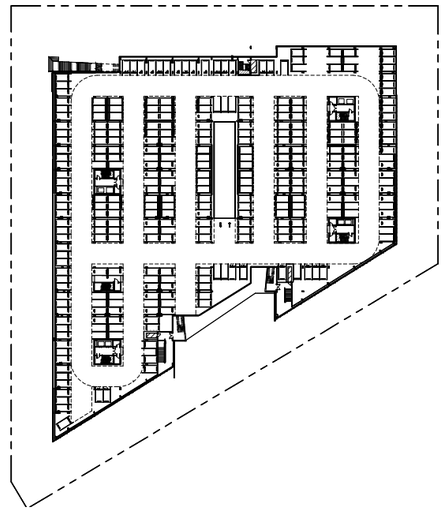
4 FLOOR PLAN - LEVEL 2 1/64" = 1'-0"



2 PCalcs - LEVEL 1/P2 1/64" = 1'-0"



5 PCalcs - Level L3 1/64" = 1'-0"



3 PCalcs - LEVEL 1/P3 1/64" = 1'-0"

1 FLOOR PLAN - LEVEL 1 1/64" = 1'-0"

PLUMBING CALCULATIONS CREATION SPACE

OCC. LOAD (2022 CPC 422.1 TABLE A)			MIN. REQ'D FIXTURES (2022 CPC TABLE 422.1)										
			WC			URINALS		LAV			DF	SS
OC / OLF	AREA	OL	M	F	UNISEX	M	F	M	F	UNISEX		
B / 150	8870	59	0.59	1.97		0.30		0.39	0.59		0.39	1
TOTAL REQ'D			1	2		1		1	1		1	1
TOTAL PROVIDED			2	4	0	2		2	2	0	1	0

PLUMBING CALCULATIONS BUILDING A (L2-L4)

OCC. LOAD (2022 CPC 422.1 TABLE A)			MIN. REQ'D FIXTURES (2022 CPC TABLE 422.1)										
			WC			URINALS		LAV			DF	SS
OC / OLF	AREA	OL	M	F	UNISEX	M	F	M	F	UNISEX		
B / 150	100091	667	3.67	10.00		2.67		4.33	5.33		4.45	1
TOTAL REQ'D			4	10		3		5	6		5	1
TOTAL PROVIDED			12	24	3	12		18	18	3	6	0

PLUMBING CALCULATIONS BUILDING B (L2-L4)

OCC. LOAD (2022 CPC 422.1 TABLE A)			MIN. REQ'D FIXTURES (2022 CPC TABLE 422.1)										
			WC			URINALS		LAV			DF	SS
OC / OLF	AREA	OL	M	F	UNISEX	M	F	M	F	UNISEX		
B / 150	121583	811	4.01	11.04		3.02		5.02	6.03		5.40	1
TOTAL REQ'D			5	12		4		6	7		6	1
TOTAL PROVIDED			12	24	3	12		18	18	3	6	0

PLUMBING CALCULATIONS PARKING LEVELS

OCC. LOAD (2022 CPC 422.1 TABLE A)			MIN. REQ'D FIXTURES (2022 CPC TABLE 422.1)										
			WC			URINALS		LAV			DF	SS
OC / OLF	AREA	OL	M	F	UNISEX	M	F	M	F	UNISEX		
B / 150	12070	80	0.80	2.51		0.40		0.54	0.80		0.54	1
S-2 / 4000	6136	2	0.01	0.01		0.00		0.01	0.01		0.01	1
TOTAL REQ'D			1	3		1		1	1		1	2
TOTAL PROVIDED			0	0	6	2		0	0	6	2	0

0
150
4000

Plumbing Calcs

BUILDING A	
B / 150	121,583 SF
	121,583 SF
BUILDING B	
B / 150	100,091 SF
	100,091 SF
CREATOR SPACE	
B / 150	8,703 SF
	8,703 SF
PODIUM	
B / 150	12,023 SF
S-2 / 4000	6,188 SF
	18,212 SF

PLUMBING CALCULATIONS 1/8" = 1'-0"

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	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

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PLUMBING CALCULATIONS

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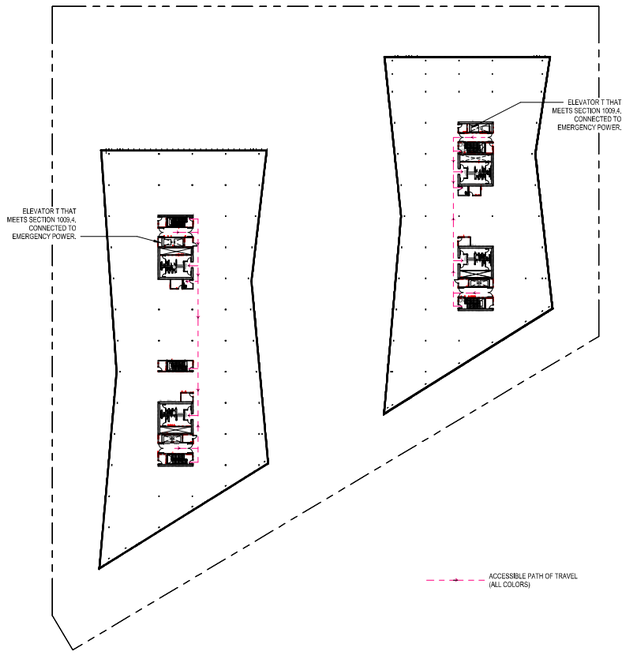
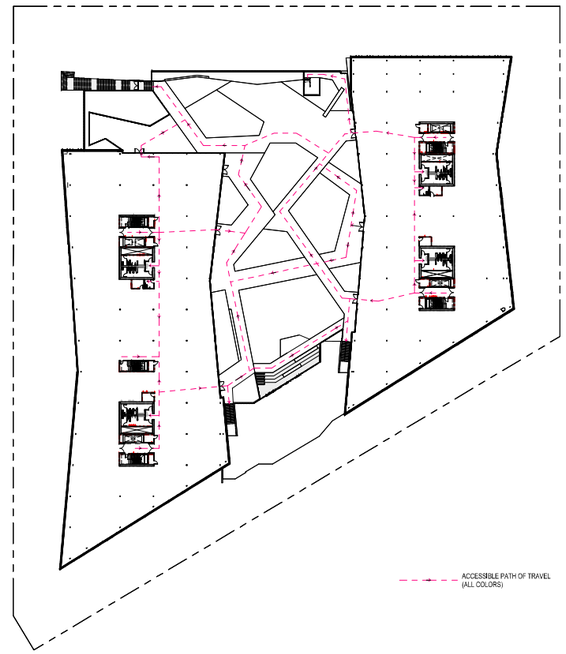
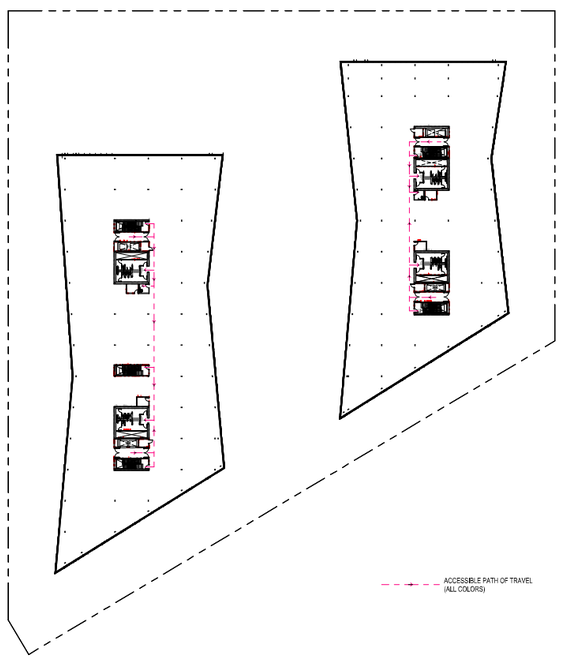


6 LEVEL 4 1" = 50'-0"



4 LEVEL 2 1" = 50'-0"

2 LEVEL 1/P2 1" = 50'-0"



5 LEVEL 3 1" = 50'-0"

3 LEVEL 1/P3 1" = 50'-0"

1 LEVEL 1/P1 1" = 50'-0"

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#	date	issue description
	2025.07.29	SMP SUBMITTAL REV-03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

ACCESIBILITY PLANS

G2.07

NOT FOR CONSTRUCTION

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie. ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings (N) or to additions and/or alterations (A). When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 et seq. for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES
DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL
5.101.1 SCOPE.
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS
5.102.1 DEFINITIONS:
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.
Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), enhanced advanced technology PZEV (enhanced AT ZEV) or transitional zero emission vehicles (TZEV) regulated under CCR, Title 13, Section 1962.
2. High efficiency vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating of 9 or 10 as regulated under 40 CFR Section 600 Subpart D.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT
5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g. Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

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5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

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5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2.

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

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5.106.5.3 Electric vehicle (EV) charging. [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section

5.106.5.3.1 EV capable spaces.
[N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:

1. Raceways complying with the California Electrical Code and no less than 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box,enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.
2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TABLE 5.106.5.3.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)*2
0-9	0	0
10-25	2	0
26-50	6	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20% of total*	25% of EV capable spaces*

1. Where there is insufficient electrical supply.
2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count towards the total number of required EV capable spaces shown in column 2.

5.106.5.3.2 Electric vehicle charging stations (EVCS)
EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.3 Use of automatic load management systems (ALMS).
ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section
5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS.
When EVSE is installed, accessible EVSC shall be provided in accordance with the *California Building Code, Chapter 11B, Section 11B-228.3.*
Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s)

5.106.5.4 Electric Vehicle (EV) charging: medium-duty and heavy-duty. [N]
Construction shall comply with section 5.106.5.4.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE.
Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code, the California Electrical Code* and as follows:

5.106.5.4.1 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.
[N] In order to avoid future demolition when adding EV charging supply and distribution equipment, spare raceway(s) or busway(s) and adequate capacity for transformer(s), service panel(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include but are not limited to, the following:
1. The transformer, main service equipment and subpanel shall meet the minimum power requirement in Table 5.106.5.4.1 to accommodate the dedicated branch circuits for the future installation of EVSE.
2. The construction documents shall indicate on or more location(s) convenient to the planned offstreet loading space(s) reserved for medium-and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s) as shown in Table 5.106.5.4.1.
3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium-and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipments for medium- and heavy-duty vehicles.
4. The raceway(s) or busway(s) shall be sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.4.1.

TABLE 5.106.5.4.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
Grocery	10,000 to 90,000	1 or 2	200
		3 or Greater	400
	Greater than 90,000	1 or Greater	400
Retail	10,000 to 130,000	1 or 2	200
		3 or Greater	400
	Greater than 135,000	1 or Greater	400
Warehouse	20,000 to 256,000	1 or 2	200
		3 or Greater	400
	Greater than 256,000	1 or Greater	400

LIGHTING

5.106.8 LIGHT POLLUTION REDUCTION. [N]. Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8. [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8. Alternate materials, designs and methods of construction.
5. Luminaires with less than 6,200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting 3	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING 3 (G)					
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G1	G2	G3	G4
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G1	G1	G2
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G0	G1	G1
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G0	G0	G1

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *California Administrative Code.*

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet *U* value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight
Luminaires within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.
Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest point(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare.
For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

Note: [N]
1. See also *California Building Code*, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the *California Building Code* for requirements for additions and alterations.

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5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.
Exception: Additions and alterations not altering the drainage path.

X

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade trees plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions:
1. Walks; hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting
2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY
SECTION 5.201 GENERAL
5.201.1 Scope [BSC-CG], ***California Energy Code [DSA-SS]***. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION
SECTION 5.301 GENERAL
5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS
5.302.1 Definitions. *The following terms are defined in Chapter 2 (and are included here for reference)*

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which are two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 27), regulating landscape design, installation and maintenance practices. *Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least* as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur (Water Code Section 13050 (n)). Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed use residential and commercial structure. (See Civil Code Section 1954.202 (g) and Water code Section 517 for additional details.)

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CGBC.*

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#	date	Issue description
	2025.07.29	SMP SUBMITTAL REV-03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

GREEN BUILDING CHECKLIST

G3.01

NOT FOR CONSTRUCTION

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie. ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

SECTION 5.303 INDOOR WATER USE

Y N/A RESPON. PARTY

X ☐ PLUMB **5.303.1 METERS.** Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied for the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

N ☐ PLUMB **5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

X ☐ PLUMB **5.303.3.1 Water Closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.

N ☐ PLUMB **5.303.3.2.1 Wall-mounted Urinals.** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

X ☐ PLUMB **5.303.3.3 Showerheads. [BSC-CG]**

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead.

X ☐ PLUMB **5.303.3.4 Faucets and fountains.**

5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than1.8 gallons per minute/20 [sm space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rm space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.3.4.6 Pre-rinse spray valve
When installed, shall meet the requirements in the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (c)(7), and shall be equipped with an integral automatic shutoff.

FOR REFERENCE ONLY: The following table and code section have been reprinted from the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2

STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALVES MANUFACTURED ON OR AFTER JANUARY 28, 2019

PRODUCT CLASS [spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (gpm)
Product Class 1 (≤ 5.0 ozf)	1.00
Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)	1.20
Product Class 3 (> 8.0 ozf)	1.28

N ☐ **5.303.4 COMMERCIAL KITCHEN EQUIPMENT.**

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

X ☐ LAND **5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.
L4.00

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

☐ X **5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETAF) shall be 0.85 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

Y N/A RESPON. PARTY

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2: *(and are included here for reference)*

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

ORGANIC WASTE. Food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

TEST. A procedure to determine quantitative performance of a system or equipment

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

X ☐ ARCH **5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

X ☐ GC **5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

X ☐ GC **5.408.2 UNIVERSAL WASTE. [A]** Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

X ☐ ARCH **SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS**

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exception in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 16, Part 3, Division 30 of the *Public Resources Code*. Chapter 16 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

Y N/A RESPON. PARTY

X ☐ GC/ COMM. AGENT **5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over.** For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.9 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 does not certify individuals to conduct functional performance tests or to adjust and balance systems.
2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations

5.410.2.2 Basis of Design (BOD) [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 3142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:

1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:

1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

☐ X **5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet.** Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

Y N/A RESPON. PARTY

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guarantees/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32° Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (dB). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the *California Electrical Code*, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS). One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hydrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g/g O^3/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, gauge.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

☐ N/A **5.503.1 FIREPLACES.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

X ☐ GC **5.504.1 TEMPORARY VENTILATION.** The permanent HVAC systems shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

X ☐ GC **5.504.3 Covering of duct openings and protection of mechanical equipment during construction.** At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water, and debris which may enter the system.

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

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#	date	issue description
	2025.07.29	SMP SUBMITTAL REV-03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

GREEN BUILDING CHECKLIST

G3.02

NOT FOR CONSTRUCTION

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY
X	☐	ARCH

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.8.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1, 2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168. www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

Y	N/A	RESPON. PARTY

TABLE 5.504.4.3 - CONT.

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS.

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2006. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems.
All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DECODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DECODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR §93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European EN 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	
PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD[2]	0.11
THIN MEDIUM DENSITY FIBERBOARD[3]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

Y	N/A	RESPON. PARTY
☐	☐	

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350)

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DECODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation
Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DECODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance.
Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

5.504.4.8 Acoustical ceiling and wall panels.
Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, " Version 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

Y	N/A	RESPON. PARTY
X	☐	ARCH

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

X	☐	MECH

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 2-407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

Y	☐	MECH

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

X	☐	MECH

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

—	☐	

5.506.2 Carbon dioxide (CO_2) monitoring in classrooms.
(DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the California Energy Code, shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements:

1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows.
2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.
3. A monitor shall provide notification through a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1,100ppm.
4. The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration.
5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.
6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

SECTION 5.507 ENVIRONMENTAL COMFORT

Y	☐	ARCH

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

Exceptions:

1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (L_{eq}-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

Y	☐	MECH

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

Y	N/A	RESPON. PARTY
☐	X	

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Code and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O ring in place.

5.508.2.2.2.3.1 Chain tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel, or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

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	2025.04.30	SMP SUBMITTAL REV-02
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	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
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333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

GREEN BUILDING CHECKLIST

G3.03

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LEED v4 for Mid-Term Core and Shell
385 Moffett Park Drive

Yes	Maybe	No	Min	
75	19	4	30	**TOTALS**

1	0	0	0	Credit Integrative Process

10	**0**			**20**	**Location and Transportation**	**Description**	**Primary Responsibility**	**Phase**	**Notes (Client/Project Team)**
2	0	0	0	2	Credit Sensitive Land Protection (v4.1)	N/A	N/A	DD	Previously developed site
2	0	0	0	2	Credit High Priority Site	N/A	N/A	DD	Site application is not qualified Priority designated site
5	0	0	0	5	Credit Surrounding Density and Diverse Uses	N/A	N/A	DD	Hotel, restaurant, temple, Traffic, Dog shower
5	0	0	0	5	Credit Access to Quality Transit	N/A	N/A	DD	Train station (United Isocenter). Transportation consultant being contracted for supplemental shuttle service
5	0	0	0	5	Credit Bicycle Facilities (v4.1)	Will require a minimum of 4 bike stalls with 1 shower based on FTE. Will not have bike share	Arch	DD	Anticipated per M-40 SD set
5	0	0	0	5	Credit Reduced Parking Footprint (v4.1)	Based on DD	N/A	DD	meets code
5	0	0	0	5	Credit Green Vehicles (v4.1)	Designate a minimum 3% parking spaces EV/CS	N/A	DD	1% EV parking spaces
9	**0**	**0**	**0**	**2**	**Sustainable Sites**	**Description**	–		
1					Prereq Construction Activity Pollution Prevention	Provide a draft narrative describing why the site should be exempt from developing an SWP plan https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html	CIVIL / DD	CD	LEED no longer site survey
1	0	0	0	1	Prereq Site Assessment	N/A	SUB/CIVIL / UNDECIDED	DD	LEED no longer site survey
2	0	0	0	2	Credit Site Development - Protect or Restore Habitat (v4.1)	30% of space including building footprint landscaped	Ownership	DD	Will not meet credit. Current plan
2	0	0	0	2	Credit Open Space (v4.1)	30% of space including building footprint	Ownership	DD	Per according to current SD plans
3	0	0	0	3	Credit Rainwater Management (v4.1)	Cleanwater team	CIVIL	DD	Credit upgrade available. With permeable Upcycle
2	0	0	0	2	Credit Heat Island Reduction	Roof and Hardscape (non-roof) 50% SRI (v4.1 credit calculation)	Arch	DD	Plan landscape upon Roof Brief
2	0	0	0	2	Credit Light Pollution Reduction	Option 1: Comply with IDSA's zonings for uplight, backlight and glare as defined in IESTM-15-15, addendum A (LEED)	LIGHTING	DD	California NCP
1	1	0	0	2	Credit Future Design and Construction Guidelines	provide guidelines in compliance with LEED	SUB / OWNER/GHP	DD	LEED provide based on base building specifications
4	**2**	**0**	**0**	**4**	**Water Efficiency**	**Description**	–		
1					Prereq Outdoor Water Use Reduction	Pending landscape design (graphic) and water study	NA	NA	
2					Prereq Indoor Water Use Reduction	REQUIRED Kitchen Sink: 1.8 gpm (available to replace with 0.5?) WC: 1.0 / 0.8 gpf RR Faucets: 0.35 gpf Urinals: 0.125 Showers?	MEP	DD	California NCP
1					Prereq Building Level Water Metering	Required by code - install a single main meter	Arch / MEP / OWNER	DD	Yes
2	2	0	0	2	Credit Outdoor Water Use Reduction (v4.1)	meet plant palette/drought tolerant	SUB / ARCHITECT	DD	LE to need cost to landscape (+CD)

1	1	1	0	3	Credit Indoor Water Use Reduction	Restrooms	MEP	DD	**Feedback on additional water could be plumbing fixtures?**
2	2	0	0	2	Credit Cooling Tower Water Use (v4.1)	N/A	NA	NA	No cooling Tower
1	0	0	0	1	Credit Water Metering	Sub meter (Cold Irrigation, Indoor plumbing fixtures, DHW, Reclaimed water, process water, boiler)	MEP	DD	Credit is self-scored (MEP)
20	**6**	**0**	**0**	**6**	**Energy and Atmosphere**	**Description**	–		
1					Prereq Fundamental Commissioning and Verification	Ordered Cx (again - VCA / ACG / TFSE)	VCA		
1					Prereq Minimum Energy Performance	Zero Eng	Zero Eng / MEP	DD	
1					Prereq Building Level Energy Metering	Required by code - install main meter(s) (gas and electric)	MEP	DD	
1					Prereq Fundamental Refrigerant Management	Do not use CFC based refrigerant **Avoid:** CFC: R-11, R-12, R-13, R-113, R-114, R-115, R-22, R-124, R-142b, R-32, R-134a, R-143a **Allowed:** HCFC: R-123, R-22b https://www.epa.gov/ozonelayer/ozonelayer/high-gwp-refrigerants	MEP	DD	California NCP
3	3	0	0	3	Credit Enhanced Commissioning	Ordered Cx again, confirm pricing	VCA		For Tell Bus Loads, implement monitoring-based commissioning Ensure Fan requirements for Metering are included in all commissioning documents - Owner's requirements, such as specific trends to track, reflected accurately in the engineer's BOD. - Submittal review of meters, energy analysis software, and drawings to confirm for compliance with the owner's M&V metering and monitoring requirements - Functional performance testing of meters and their data collection equipment, such as meters and energy analysis software acquired by the Mechanical and Lighting
3	3	0	0	3	Credit Optimize Energy Performance	Zero Eng	Zero Eng / MEP	DD / CD	**To maximize points, maximize PV once per the energy model recommendations.**
1	1	0	0	1	Credit Advanced Energy Metering	TBD by owner / utility			
2	2	0	0	2	Credit Grid Harmonization (v4.1)	Opportunistic enrollment?			Can pursue if needed. Not a top priority
2	2	0	0	2	Credit Renewable Energy (v4.1)	Seeking 3%E. Preliminary out plan / Preliminary Scale PV Quote			Full potential PV anticipated. Need to offset 10%
1	1	0	0	1	Credit Enhanced Refrigerant Management	Select low or zero depletion refrigerant	MEP	CD	Required by schedule. Confirm with MEP
2	2	0	0	2	Credit Green Power and Carbon Offsets		SUB / OWNER/GHP	DD / CD	Not applicable for v4.1 (kept potential for v4.0a PV)
9	**1**	**1**	**0**	**9**	**Materials and Resources**	**Description**	–		
1					Prereq Storage and Collection of Recyclables	Identify collection locations / recycle/compost	SUB / Arch	DD	
1					Prereq Construction and Demolition Waste Management Plan	Target 75% Diversion rate	DD	CD	
2	0	0	0	2	Credit Building Life-Cycle Impact Reduction	Option 3	SUB	DD	50% Exterior available for non-adaptive reuse buildings. Target 10% GWP reduction from baseline
2	2	0	0	2	Credit EPDs (v4.1)	Option 1	SUB / Arc / Arch	DD	50 to build into space
2	1	1	0	2	Credit Sourcing of Raw Materials (v4.1)	Option 2	SUB / Arc / Arch	DD	**5/6 to build into space. Discuss conversation. Where challenging than other points, be flexible if can be met.**
2	2	0	0	2	Credit Mapping (v4.1)	Option 1	SUB / Arc / Arch	DD	**Anticipated to be met.**
2	2	0	0	2	Credit C+D Waste Management (v4.1)	Increase to 65% diversion target to 75%	DD	CD	Anticipated per M-40 SD set
6	**0**	**0**	**0**	**6**	**Indoor Environmental Quality**	**Description**	–		
1					Prereq Minimum Indoor Air Quality Performance	Comply with ASHRAE 62.1 (2022)	MEP	CD	Yes
1					Prereq Environmental Tobacco Smoke Control	No smoking inside	SUB	CD	Confirm whether smoking area present inside
2	0	0	0	2	Credit Enhanced Indoor Air Quality Strategies (v4.1)	HEU Plan	MEP	CD	**Will meet filtration and EDAC requirements. Best options for full points include 2 of the options below:** **Filtration of recirculated air** **Walkoff mats (10 feet in direction of travel)** **CO2 monitoring to density-occupied spaces**
2	0	0	0	2	Credit Low Emitting Materials (v4.1)		SUB / Arc / Arch	DD	**5/6 to build into space. target 4 compliant categories**
1	1	0	0	1	Credit Construction Indoor Air Quality Management Plan		DD	CD	Yes
1	0	0	0	1	Credit Indoor Air Quality Assessment				Minimum Increased Mech
1	0	0	0	1	Credit Thermal Comfort				Minimum Increased Mech
1	0	0	0	1	Credit Interior Lighting				Minimum Increased Mech

2	2	0	0	2	Credit Daylight (Daly v3.1 - non-audit)	Option 1: 55% of regularly occupied spaces compliant for Dynamic 75% for 3 orientations	SUB	CD	**2D-IGE to model performance-based credit**
1	1	0	0	1	Credit Quality Views	75% of regularly occupied spaces compliant for 1 point	SUB	CD	**LE to model performance-based credit**
1	1	0	0	1	Credit Acoustic Performance				Minimum Increased Mech
6	**0**	**0**	**0**	**6**	**Innovation**	**Description**	–		
1	1	0	0	1	Credit Innovation - 10% Water Dissuasion	Opportunistic energy/water performance. Exploration/analysis/Pilot credit			LE to analysis/related on performance and user preference
1	1	0	0	1	Credit LEED Accredited Professional				
3	**1**	**0**	**0**	**3**	**Regional Priority**	**Description**	–		
1	1	0	0	1	Credit RP: Extreme Management				Patching Cost Elevation
1	1	0	0	1	Credit RP: Indoor Water Use Reduction				Pending kitchen layout selection
1	1	0	0	1	Credit RP: Optimize Energy Performance (NB)				
1	1	0	0	1	Credit RP: Building Life-Cycle Impact Reduction				

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LEED SCORECARD

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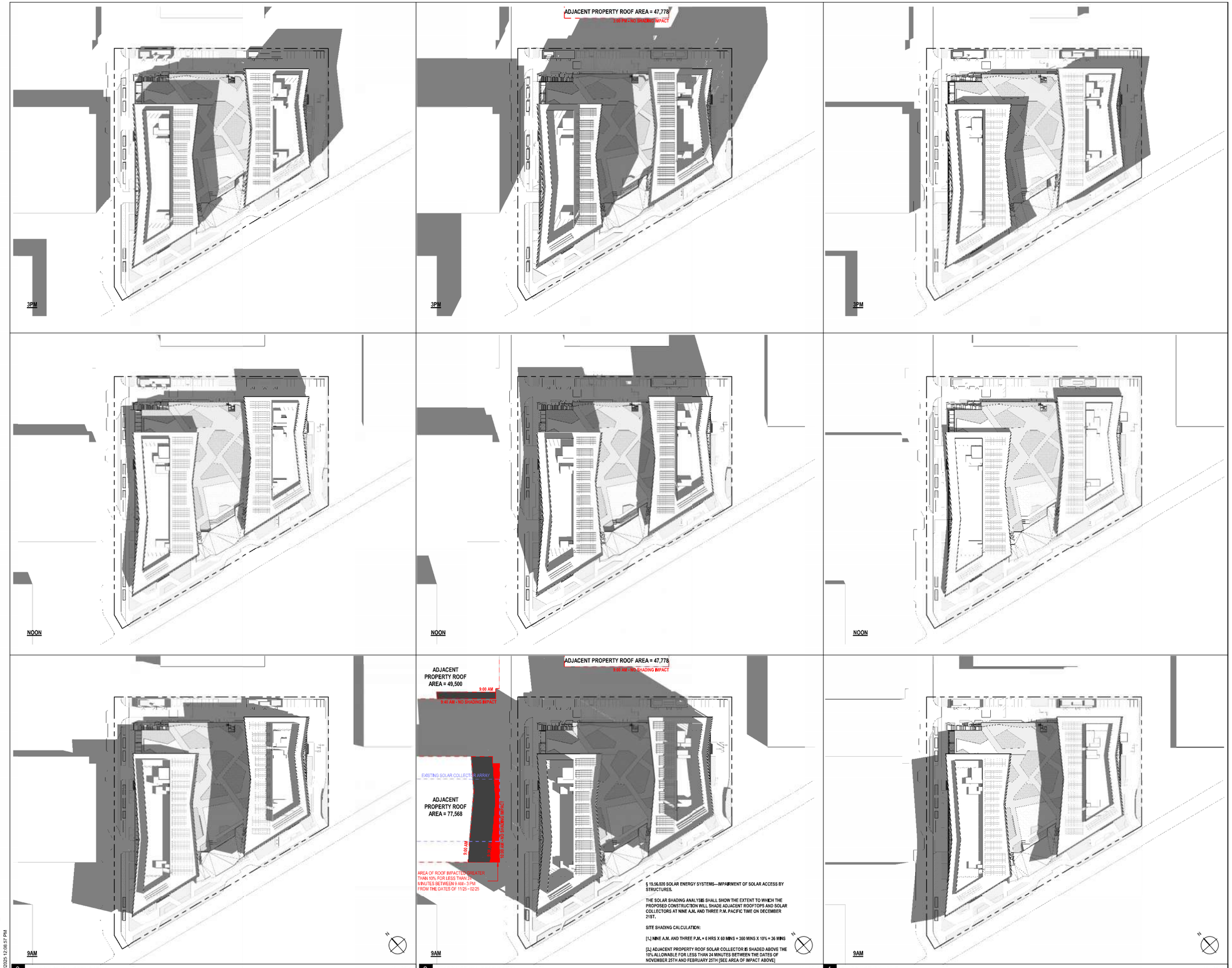

§ 10.56.020 SOLAR ENERGY SYSTEMS—IMPAIRMENT OF SOLAR ACCESS BY STRUCTURES.

THE SOLAR SHADING ANALYSIS SHALL SHOW THE EXTENT TO WHICH THE PROPOSED CONSTRUCTION WILL SHADE ADJACENT ROOFTOPS AND SOLAR COLLECTORS AT NINE A.M. AND THREE P.M. PACIFIC TIME ON DECEMBER 21ST.

SITE SHADING CALCULATION:

[1.] NINE A.M. AND THREE P.M. = 6 HRS X 60 MINS = 360 MINS X 10% = 36 MINS

[2.] ADJACENT PROPERTY ROOF SOLAR COLLECTOR IS SHADED ABOVE THE 10% ALLOWABLE FOR LESS THAN 24 MINUTES BETWEEN THE DATES OF NOVEMBER 25TH AND FEBRUARY 25TH [SEE AREA OF IMPACT ABOVE]

3 SHADOW STUDY - SPRING / FALL 1" = 80'-0"

2 SHADOW STUDY - DECEMBER 21 1" = 80'-0"

1 SHADOW STUDY - JUNE 1" = 80'-0"

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SOLAR SHADING ANALYSIS

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333 MOFFETT PARK DRIVE EAST ELEVATION

333 MOFFETT PARK DRIVE NORTH ELEVATION

333 MOFFETT PARK DRIVE SOUTH ELEVATION

333 MOFFETT PARK DRIVE WEST ELEVATION

385 MOFFETT PARK DRIVE NORTH ELEVATION

385 MOFFETT PARK DRIVE NORTH ELEVATION

385 MOFFETT PARK DRIVE EAST ELEVATION

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EXISTING CONDITIONS PHOTOS

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385 MOFFETT PARK DRIVE WEST ELEVATION

LANEWAY NORTH LOOKING SOUTH

LANEWAY SOUTH LOOKING NORTH

LANEWAY SOUTH @ MOFFETT PARK DRIVE

237 MOFFETT PARK DRIVE BUILDING ENTRY DRIVEWAY

237 MOFFETT PARK DRIVE GARAGE ENTRY SOUTH

MOFFETT PARK DRIVE EAST LOOKING WEST

MOFFETT PARK DRIVE WEST LOOKING EAST

333/385 MOFFETT PARK DRIVE MAIN VEHICLE ENTRY

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3D VIEW

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project number: 22-387
date: 2025.01.15

3D VIEW

G4.13

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#	date	issue description
	2025.07.29	SMP SUBMITTAL REV-03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

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3D VIEWS

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3D VIEWS

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HILLSIDE PLANTING ILLUSTRATION

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3D VIEWS - CONTEXT VIEWS

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3D VIEWS - AERIAL CONTEXT VIEWS

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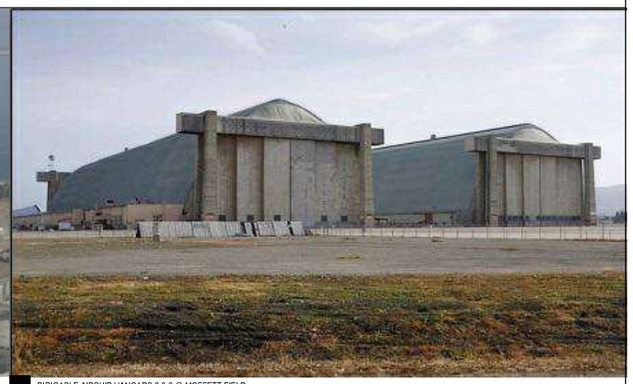
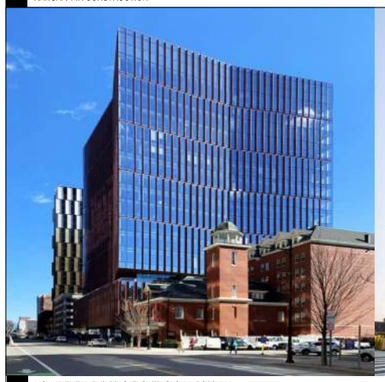
HANGAR 1 IN CONSTRUCTION

HISTORICAL CONTEXT - MOFFET T PARK AIRFIELD - US NAVY / NAS / NASA

AIRFIELD/RUNWAY LANDSCAPE


DIRIGABLE AIRSHIP HANGARS 2 & 3 @ MOFFETT FIELD


MONUMENTAL BUILDING 'FLOATING' ON A PODIUM

CLEAR AND OPAQUES GLAZING AREAS FOR SOLAR SHADING & REDUCTION OF HEAT GAIN

INFLECTION OF LONG FACADE FOR DYNAMIC BUILDING ARTICULATION

2 COMPLEMENTTARY VOLUMES

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HISTORIC & BUILDING PRECEDENTS

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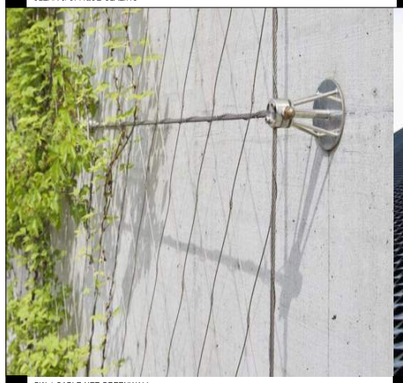
CLEAR & OPAQUE GLAZING

HIGH REFLECTIVITY/ LOW REFLECTIVITY

GL-1 CLEAR GLAZING

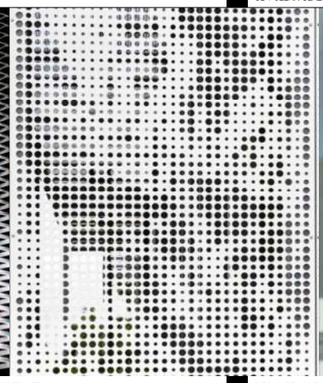
GL-3A SIMULATED SANDBLAST SPANDREL

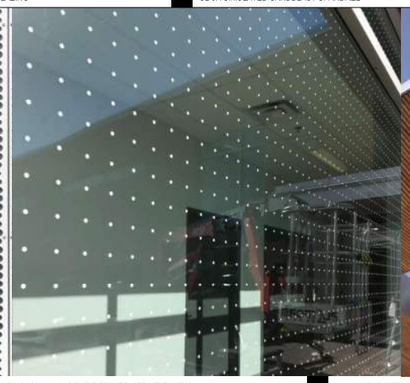
GL-3B SIMULATED ACID ETCHED


GW-1 CABLE-NET GREENWALL

MTL-3 - PERFORATED/ EXPANDED METAL

MTL-3 - CUSTOM ARTIST PRODUCED PERFORATED/ EXPANDED METAL


BIRD-SAFE GLAZING [GL-4 & @ IDENTIFIED BIRD STRIKE ZONES]



923 - LINEAR METAL PLANK WOOD TONE SOFFIT SYSTEM

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MATERIAL PALETTE

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Sheet List Table

Sheet Number	Sheet Title
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L0.01	LANDSCAPE NOTES & LEGEND
L0.02	LANDSCAPE ILLUSTRATIVE PLAN
L0.03	LANDSCAPE TREE DISPOSITION PLAN
L0.04	LANDSCAPE OPEN SPACE FRAMEWORK
L1.00	LANDSCAPE GRADING PLAN - PODIUM
L2.00	LANDSCAPE MATERIAL PLAN - GROUND
L2.01	LANDSCAPE MATERIALS PLAN - PODIUM
L4.00	LANDSCAPE IRRIGATION PLAN
L5.00	LANDSCAPE PLANTING PLAN - GROUND
L5.01	LANDSCAPE PLANTING PLAN - PODIUM
L5.02	LANDSCAPE PLANTING IMAGES
L6.00	LANDSCAPE CONSTRUCTION DETAILS
L6.01	LANDSCAPE CONSTRUCTION DETAILS
L6.02	LANDSCAPE CONSTRUCTION DETAILS
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L6.05	LANDSCAPE CONSTRUCTION DETAILS - PODIUM
L7.00	LANDSCAPE PLANTING DETAILS

PROJECT ABBREVIATIONS

AC	ASPHALTIC CONCRETE	LSJ	LONGITUDINAL SHRINKAGE JOINT
AB	AGGREGATE BASE	MAX	MAXIMUM
AD	AREA DRAIN	MFR	MANUFACTURER
ARCH	ARCHITECT	MH	MANHOLE
AVG	AVERAGE	MIN	MINIMUM
B&B	BALL AND BURLAP	MM	MILLIMETERS
BC	BACK OF CURB	NIC	NOT IN CONTRACT
BF	BOTTOM OF FENCE	NTS	NOT TO SCALE
BLDG	BUILDING	OC	ON CENTER
BOR	BACK OF RAMP	OCEW	ON CENTER EACH WAY
BOS	BOTTOM OF SLOPE	OD	OUTSIDE DIAMETER
BR	BIKE RACK	OPP	OPPOSITE
BS	BOTTOM OF STEP (STAIR)	PA	PIPE ANCHOR
BSW	BACK OF SIDEWALK	PLA	PLANTING AREA
BW	BOTTOM OF WALL	PED	PEDESTAL
CAL	CALIPER	PDSN	PEDESTRIAN
CB	CATCH BASIN OR CEMENT	PERF	PERFORATED
BASE		PIP	POURED-IN-PLACE
CH	CHANNEL OR CHILLER	POC	POINT OF CONNECTION
CHD	CONCRETE HEADER	PT	POINT OF TANGENCY
CIP	CAST-IN-PLACE	R	RADIUS
CJ	CONTROL JOINT	RB	ROOT BARRIER
CL	CENTER LINE	RGB	ROUNDED FRADE BREAK
CLR	CLEARANCE	RIM	RIM ELEVATION
CMU	CONCRETE MASONRY UNIT	ROW	RIGHT OF WAY
CO	CLEAN OUT	SAD	SEE ARCHITECTURAL DRAWINGS
COJ	CONSTRUCTION JOINT	SB	SPLASH BLOCK
CONC	CONCRETE	SBSD	SEE BUILDING STRUCTURAL DRAWINGS
CONT	CONTINUOUS	SCD	SEE CIVIL DRAWINGS
CP	CENTER POINT	SD	STORM DRAIN
CTR	CENTER	SED	SEE ELECTRICAL DRAWINGS
D/B	DESIGN/BUILD	SG	SUBGRADE
DI	DRAIN INLET	SF	SQUARE FEET
DIA	DIAMETER	SHP	SWALE FLOWLINE HIGH POINT
DIM	DIMENSION	SIM	SIMILAR
DN	DOWN	SJ	SCORE JOINT
EA	EACH	SLD	SEE LIGHTING DRAWINGS
EF	EACH FACE	SPECS	SPECIFICATIONS
EJ	EXPANSION JOINT	SSL	STRAIGHT SLOPE
EJS	EXPANSION JOINT W/ SEALANT	SSD	SEE STRUCTURAL DRAWINGS
EL	ELEVATION	SSGD	SEE SIGN DRAWINGS
ENGR	ENGINEER	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
EP	EDGE OF PAVEMENT	TBD	TO BE DETERMINED
EQ	EQUAL	TD	TOP OF DRAIN
E/W	EACH WAY	TOC	TOP OF CURB
(E)	EXISTING	TOR	TOP OF RAMP
FDC	FIRE DEPARTMENT CONNECTION	TPTL	TREE PLANTING TRENCH LIMIT
FFE	FINISHED FLOOR ELEVATION	TOBR	TOP OF BERM
FG	FINISHED GRADE	TOF	TOP OF FENCE
FH	FIRE HYDRANT	TOFG	TOP OF FOOTING
FL	FLOW LINE	TOFN	TOP OF FOUNDATION
FOW	FACE OF WALL	T&B	TOP AND BOTTOM
FS	FINISHED SURFACE	TOP	TOP OF POST
GC	GENERAL CONTRACTOR	TOS	TOP OF SLOPE
GB	GRADE BREAK	TS	TOP OF STEP (STAIR)
GJ	GROUT JOINT	TSS	TOP OF STRUCTURAL SLAB
HPK	HANDICAP PARKING STALL	TW	TOP OF WALL
HC	HANDICAP	TWL	TREE WELL
HDR	HEADER	TYP	TYPICAL
HH	HANDHOLE	UFC	UNIFORM FIRE CODE
HP	HIGH POINT	VEH	VEHICULAR
HV	HOSE VALVE	WPM	WATER PROOF MEMBRANE
HVP	HANDICAP VAN PARKING STALL	WWF	WELDED WIRE FABRIC
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION		
INV	INVERTED		
LOW	LIMIT OF WORK		
LPT	LOW POINT		

GENERAL LANDSCAPE PROJECT NOTES

1. ALL NOTES APPEARING ON THESE PLANS SHALL BE CONSIDERED AS INCIDENTAL WORK AND AS A PART OF THIS CONTRACT.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 8 (CAL/OSHA) AND THE GENERAL CONDITIONS OF THE PROJECT SPECIFICATIONS.
3. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION INCLUDING LOCATIONS OF FIBER OPTIC LINES , PROPOSED UTILITIES, AREA DRAINS, MANHOLES, AND VAULTS AS INDICATED ON THE PROJECT SURVEY AND ANY CIVIL UTILITY PLANS. OBTAIN COPIES OF UTILITY PLANS FROM OWNERS ARCHIVES PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL FIELD MARK ALL UTILITY LINES AND POT HOLE TO DETERMINE DEPTH OF BURIED UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL RECORD & MONITOR WORK IN THESE AREAS AND POTHOLE AS NEEDED TO IDENTIFY OBJECTS.
5. FOR MARKING UNDERGROUND FACILITIES, CALL UNDERGROUND SERVICE ALERT MINIMUM TWO DAYS PRIOR TO DIGGING: 1-800-227-2600, BETWEEN 6:00 AM- 7:00 PM, MONDAY- FRIDAY, EXCEPT HOLIDAYS.
6. PROTECT EXISTING UNDERGROUND UTILITIES, VAULTS AND CONNECTIONS AND REPAIR ANY DAMAGE TO FULL OPERATIONS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
7. ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES WHICH CROSS THE LINE OF CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF ANY CONSTRUCTION AFFECTING SAID LINES.
8. CONTRACTOR SHALL COORDINATE UTILITY SHUTDOWN WITH CITY ENGINEER AND APPROPRIATE AGENCIES or OWNER'S REPRESENTATIVE.
9. REFER TO CIVIL DRAWINGS FOR ALL STORM DRAIN LINE CONNECTIONS IN LANDSCAPE PLANTING AREAS.
10. REFER TO CIVIL DRAWINGS FOR IRRIGATION POINT OF CONNECTION AND SEPARATE IRRIGATION SERVICE METER.
11. REFER TO CIVIL DRAWINGS FOR HORIZONTAL AND VERTICAL CONTROL OF DRIVE AISLES, CURBS, GUTTERS, AND CITY SIDEWALKS.
12. REFER TO CIVIL DRAWINGS FOR ALL UTILITIY CONNECTIONS, ADJUSTED UTILITY ELEVATIONS AND RIM ELEVATIONS.
13. REFER TO ELECTRICAL PLANS FOR LIGHTING AND IRRIGATION CONTROLLER CONNECTIONS
14. EXISTING ELEVATION INFORMATION BASED ON TOPOGRAPHICAL SURVEY BY PROVIDED BY THE OWNER'S REPRESENTATIVE. VERIFY GRADES PRIOR TO CONSTRUCTION AND NOTIFY OWNER'S REPRESENTATIVE IF EXISTING CONDITIONS VARY FROM PLANS.
15. STORM INLET BOXES SHALL NOT BE LEFT UNCOVERED AT ANY TIME.
16. THE CONTRACTOR SHALL PROCEED WITH DUE CAUTION DURING UNDERGROUND OPERATIONS AND SHALL REPAIR OR REPLACE ALL UTILITIES AND SERVICES, EITHER MARKED IN THE FIELD OR INDICATED ON THE PLANS, WHICH ARE DAMAGED DURING CONSTRUCTION, AT HIS OWN EXPENSE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING AND REPLACING AT THE CONTRACTOR'S OWN EXPENSE ANY DRAINAGE STRUCTURES, UTILITIES, WALLS, EXISTING PLANTS, FURNITURE, LIGHTS, WALKWAYS, PAVING, PAVING, SIGNAGE, OR OTHER EXISTING IMPROVEMENTS TO REMAIN WHICH ARE DAMAGED OR DESTROYED BY OPERATION OF THIS CONTRACT. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES OCCURRING AS A RESULT OF THE CONTRACTOR'S OPERATION, ONSITE, ON ADJACENT PROPERTIES AND ANYWHERE OUTSIDE THE CONTRACT LIMIT LINES. THE DAMAGED ITEMS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
18. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD, ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE INFORMATION SHOWN ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
19. WORK SHALL NOT BEGIN UNTIL ADEQUATE TEMPORARY BARRICADES, BARRIERS, FENCES, WARNING SIGNS, LIGHTS, OR OTHER SUCH TRAFFIC AND PEDESTRIAN WARNING AND CONTROL DEVICES AS REQUIRED ARE IN PLACE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL AT ALL TIMES.
21. ADJUST LIDS OF ALL (E) IN-GRADE UTILITY BOXES AND VAULTS TO MEET NEW GRADES.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL EXISTING PLANT MATERIAL TO REMAIN THROUGHOUT THE DURATION OF THE CONTRACT TO ENSURE HEALTH OF PLANT MATERIAL TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. SEE SPEC. SECTIONS 32-93-00, PLANTING.
23. KEEP ALL PLANTING AND PAVING AREAS FREE FROM WEEDS, DEBRIS AND TRASH THROUGHOUT THE DURATION OF THE CONTRACT.
24. A DETAILED ADAPTIVE MANAGEMENT PLAN AND MAINTAINACE PROGRAM FOR THE PODIUM DURING THE START OF THE BUILDING PERMIT PHASE OF THE PROJECT.
25. ALL PROPOSED DECORATIVE PAVEMENT, VERTICAL CURBS AND RETAINING WALLS PERTAINING TO ON-SITE DEVELOPMENT SHALL NOT BE LOCATED WITHIN THE CITY RIGHT-OF-WAY.

LANDSCAPE DESIGN CRITERIA

1. PLANTING TO BE DESIGNED TO PROVIDE MAXIMUM SAFETY FOR USERS. PLANTING WILL BE PROVIDED ALONG WALLS, FENCES, AND AT BUILDING FOUNDATIONS AND WILL BE MAINTAINED AT AN APPROPRIATE HEIGHT FOR CLEAR VISIBILITY.

2. FINISH GRADING, SHALL BE POSITIVE SURFACE DRAINAGE ACROSS PLANTED AREAS AND AWAY FROM BUILDING FOUNDATIONS. REFER TO LANDSCAPE GRADING PLAN FOR ALL EXISTING AND PROPOSED GRADE INFORMATION.

3. ALL AREAS ON GRADE SHALL RECEIVE 6" OF TOP SOIL AND 3" OF BARK MULCH. SOIL AMENDMENTS WILL BE ADDED BASED ON SOIL LAB RECOMMENDATIONS.

4. STORMWATER MANAGEMENT TO COMPLY WITH SPECIAL PROJECT CATEGORY 'B' C3 REQUIREMENTS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP). BIOSWALES AND/OR INFILTRATION PLANTERS WILL BE USED TO TREAT STORM WATER. REFER TO CIVIL DOCUMENTS.

5. LANDSCAPE FEATURES EMPLOYED TO MINIMIZE RUNOFF AND PROMOTE SURFACE FILTRATION INCLUDE:
   A) PROVIDING GENTLE SLOPES NOT TO EXCEED 10 PERCENT IN LANDSCAPE AREAS.
   B) INSTALLING PLANTS WITH LOW WATER REQUIREMENTS.
   C) INSTALLING PLANTS APPROPRIATE FOR THE LOCATION AND MICRO-CLIMATE.
   D) UTILIZING BIOSWALES AND/OR INFILTRATION PLANTERS TO CAPTURE RUNOFF BEFORE IT EXITS THE SITE.
   E) INSTALLING COBBLE SPLASH PADS WHERE RUNOFF IS DISCHARGED INTO BIOSWALES OR INFILTRATION PLANTERS TO AVOID EROSION.

6. ON SITE LANDSCAPE LIGHTING TO BE PROVIDED BY POLES AND BOLLARDS.

7. ALL PLANTING GROUPS ARE DESIGNED FOR WATER USE AND ARRANGED BY WATER HYDROZONES BASED ON WATER NEEDS.

8. PLANTING PALETTE HAS BEEN DEVELOPED BASED ON WATER USE REQUIREMENTS.

9. "WATER USE RATING IS BASED ON WATER USE CLASSIFICATION OF LANDSCAPE SPECIES (WUCOLS), UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION. VL=VERY LOW, L=LOW, M=MEDIUM, H=HIGH

10. TO PROMOTE PLANT HEALTH AND PLAN FOR THE USE OF RECYCLED WATER, THE DESIGN AND MAINTENANCE OF THE LANDSCAPE IRRIGATED WITH RECYCLED WATER WILL CONFORM TO SECTION 7 OF THE SUNNYVALE CITY RECYCLED WATER DEVELOPMENT STANDARDS.

11. RECYCLED WATER SYSTEMS AND SYSTEM COMPONENTS WILL BE LABELED "RECYCLED WATER - DO NOT DRINK" ACCORDING TO STATE REGULATIONS AND THE SUNNYVALE CITY RECYCLED WATER DEVELOPMENT STANDARDS (SECTION 3), WHICH EVER IS MORE STRINGENT.

12. QUICK COUPLER VALVE, SPRINKLER HEAD RING, DRIP TUBING, VALVES AND VALVE BOX LIDS ARE PURPLE AND CLEARLY TAGGED AND/OR LABELED

13. IRRIGATION SYSTEM AND ITS COMPONENTS MUST BE LABELED ACCORDING TO STATE REGULATIONS AND THESE STANDARDS, WHICH EVER MAY BE MORE STRINGENT.

14. LANDSCAPE PLAN SHALL MEET & COMPLY WITH THE NATIVE VEGETATION REQUIREMENT PER SECTION 6.6.3 URBAN FOREST AND APPENDIX B.

IRRIGATION DESIGN CRITERIA

1. IRRIGATION DESIGN TO COMPLY WITH ABA 1881 REQUIREMENTS. FOLLOW THE STATEWIDE MODEL ORDINANCE DESIGN GUIDELINES AND CITY REQUIREMENTS WITH USE OF WATER EFFICIENT LANDSCAPING AND LOW WATER-WISE PLANTS. ALL PLANTED AREAS SHOWN WILL BE IRRIGATED BY AN AUTOMATIC IRRIGATION SYSTEM.

2. THE IRRIGATED SYSTEMS WILL BE A PERMANENT BELOW GROUND AUTOMATED SYSTEMS ADEQUATE FOR THE ESTABLISHMENT AND MAINTENANCE OF ALL PLANT MATERIAL.

3. ALL TREE, SHRUB AND GROUNDCOVER AREAS WILL BE IRRIGATED BY A PERMANENT, AUTOMATIC, UNDERGROUND DRIP OR LOW FLOW IRRIGATION SYSTEM. TREE, SHRUB, AND GROUND COVER AREAS SHALL BE ON SEPARATE VALVES.

4. ALL IRRIGATION SYSTEMS SHALL BE DESIGNED, MAINTAINED AND MANAGED TO MEET OR EXCEED MINIMUM EFFICIENCY.

5. ALL IRRIGATION EQUIPMENT SHALL BE SCREENED APPROPRIATELY FROM VIEW IN PUBLIC AREAS.

6. THE FINAL IRRIGATION PLAN SHALL ACCURATELY AND CLEARLY IDENTIFY:
   A) LOCATION AND SIZE OF WATER METERS FOR THE LANDSCAPE.
   B) LOCATION, TYPE AND SIZE OF ALL COMPONENTS OF THE IRRIGATION SYSTEM, INCLUDING AUTOMATIC CONTROLLERS, MAIN AND LATERAL LINES, VALVES, SPRINKLER HEADS, RAIN SWITCHES, QUICK COUPLERS, AND BACKFLOW PREVENTION DEVICES.
   C) STATIC WATER PRESSURE AT THE POINT OF CONNECTION TO THE PUBLIC WATER SUPPLY.
   D) FLOW RATE (GALLONS PER MINUTE), AND REMOTE CONTROL VALVE SIZE.

7. QUICK COUPLERS WILL BE LOCATED AT EVERY 80 TO 100 FEET ALONG THE IRRIGATION MAIN LINE.

8. IRRIGATION SYSTEM AND FINAL DESIGN SHALL BE PROVIDED AT A LATER DATE.

9. IRRIGATION SYSTEM FEATURES EMPLOYED TO ACHIEVE WATER CONSERVATION GOALS INCLUDE:
   A) SMART IRRIGATION CONTROLLERS CAPABLE OF RESPONDING TO ON-SITE WEATHER CONDITIONS.
   B) CONTROLLERS WITH MULTIPLE PROGRAMS.
   C) WATERING SCHEDULES EMPLOYING SHORT CYCLES.
   D) RAIN SHUT-OFF DEVICES TO PREVENT IRRIGATION AFTER SIGNIFICANT PRECIPITATION.
   E) DRIP AND/OR BUBBLER IRRIGATION FOR SHRUBS AND TREES IN PLANTER AREAS WHICH HAVE A SHRUB DENSITY THAT WILL CAUSE EXCESSIVE SPRAY INTERFERENCE OF AN OVERHEAD SYSTEM.
   F) USE OF FLOW REDUCERS TO MITIGATE SPRAY OF BROKEN HEADS NEXT TO SIDEWALK, STREETS, AND DRIVEWAYS.

10. ALL LANDSCAPE DESIGN SHALL COMPLY WITH THE WATER EFFICIENT LANDSCAPE ORDINANCE SECTION 6.6.6 LANDSCAPE DESIGN GUIDELINES.

LANDSCAPE PLANTING NOTES

1. REFER TO GENERAL PROJECT NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION
2. ALL GRADES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING OF ANY PLANT MATERIALS.
3. REFER TO SPECIFICATIONS FOR PLACEMENT OF TOPSOIL, SOIL AMENDMENTS, FERTILIZERS AND ADDITIONAL PLANTING INFORMATION.
4. A COPY OF THE NURSERY INVOICE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE TO VERIFY COMPLIANCE WITH DRAWINGS AND SPECS.
5. ALL PLANTS SHALL BE OF THE GENUS, SPECIES, VARIETY, CULTIVAR, AND SIZES AS SHOWN ON THE PLANS. UNDER NO CONDITION WILL THERE BE ANY SUBSTITUTION OF PLANTS OR SIZES FOR THOSE LISTED ON THE PLANS, EXCEPT WITH THE EXPRESS WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE
6. ALL PLANTS SHALL BE TRUE TO NAME, AND SHALL BE TAGGED WITH THE NAME AND SIZE OF THE PLANT, IN ACCORDANCE WITH THE STANDARDS OF PRACTICE RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

IMPORT TOPSOIL MEETING SPECIFICATIONS SHALL BE INSTALLED IN ALL ON GRADE PLANTING AREAS. A SAMPLE OF IMPORT TOPSOIL, ALONG WITH A COMPLETE SOIL ANALYSIS REPORT AS SPECIFIED, SHALL BE APPROVED BY THE PROJECT ARCHITECT PRIOR TO DELIVERY OF IMPORT TOPSOIL TO THE SITE.

7. CALIPER OF TREES SHALL BE MEASURED 6" ABOVE FINISH GRADE.
8. PROVIDE 3" OF GRAVEL MULCH OVER ALL NEW SHRUB AND GROUNDCOVER AREAS INCLUDING PLANTERS OVER STRUCTURE.
9. PLANT TREES A MINIMUM OF 4'-0" FROM EDGE OF PAVING, UTILITY STRUCTURES, WALLS AND BUILDINGS UNLESS RESTRICTED BY SIZE OF PLANTER. NOTIFY OWNER'S REPRESENTATIVE OF CONFLICTS PRIOR TO PLANTING.
10. ALL TREES 36" BOX AND LARGER SHALL BE GUYED. REFER TO DETAILS.
11. ALL 15" GALLON AND 24" BOX SIZED TREES SHALL BE DOUBLE STAKED. REFER TO DETAILS.
12. ALL SHRUBS AND GROUNDCOVERS SHALL BE SET 1/2 THE DIMENSION OF THE SPACING FROM ADJACENT WALKS, CURBS AND WALLS UNLESS OTHERWISE SHOWN.
13. ALL SHRUB AND GROUNDCOVER SPACING SHALL BE EITHER LINEAR OR TRIANGULAR UNLESS DRAWN OTHERWISE. REFER TO PLANS AND DETAILS FOR PATTERNS.
14. LIGHT WEIGHT SOIL MIX SHALL BE INSTALLED IN ALL OVER-STRUCTURE PLANTERS. SEE DETAILS AND SPECS.
15. WHERE CIRCLES SHOW PLANTS, TRUNK OF PLANT EQUALS CENTER POINT OF CIRCLE.
16. FOR DESCRIPTION OF PLANTERS SEE LANDSCAPE SPECIFICATIONS.
17. PROVIDE HEALTHY, VIGOROUS PLANTS TYPICAL OF THE SPECIES, FREE OF PESTS OR INJURIES.
18. ORIENT PLANTS IN PLANTERS SO THAT THEIR BEST APPEARANCE IS MOST VISIBLE.
19. VINES SHALL BE TRAINED TO SUPPORTING STRUCTURE, WALL OR FENCE AS INDICATED ON PLANS AND DETAILS.
20. FOR HYDROZONES, SEE IRRIGATION PLANS.
21. ALL PROPOSED TREES SHALL BE PRUNED FOR STRUCTURAL SOUNDNESS AND THINNED TO REDUCE WIND SAIL AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
22. WHERE PROPOSED TREE ROOTBALL IS ADJACENT TO EXISTING PROTECTED UTILITY LINE, A TREE ROOT BARRIER IS REQUIRED. SEE DETAILS.
23. NOTE: REFER TO SPECIFICATION SECTION 32-93-00 PLANTING FOR NOTES ON CONTRACT GROWN/PRE-PURCHASE OF TREES BY OWNER. CONTRACTOR'S BID PRICE SHALL INCLUDE BALANCE OF CONTRACT GROW PRICE, FEES, TAXES, FREIGHT, ANY STORAGE FEES,TREE PLANTING HOLES, IMPORT TOP SOIL BACKFILLING WITH COMPOST AMENDMENT, IRRIGATION SYSTEM, SAWCUT ROOT BALL, STAKING OR GUYING, 60 DAY MAINTENANCE, 1 YEAR WARRANTY, ETC. TO PROVIDE COMPLETE INSTALLATION TO THE OWNER'S SATISFACTION.
24. ALL LANDSCAPE DESIGN GUIDELINES SHALL COMPLY PER SECTION 6.6.6, PRIOR TO RECEIVING SITE OCCUPANCY.
25. ALL LANDSCAPE SHALL SATISFY THE STANDARDS PER SECTION 6.6.6 LANDSCAPE DESIGN GUIDELINES REGARDING HERBICIDE AND PESTICIDE USE.
26. THE DEVELOPER SHALL INSTALL REQUIRED STREET TREES IN TREE WELLS ALONG THE PROJECT FRONTAGE AS FOLLOWS: SPECIES TO BE DETERMINED IN ENTITLEMENT. STREET TREES AND FRONTAGE LANDSCAPING SHALL BE INCLUDED IN THE DETAILED LANDSCAPE AND IRRIGATION PLAN SUBJECT TO REVIEW AND APPROVAL BY THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ISSUANCE OF ENCROACHMENT PERMIT. NEW STREET TREES SHALL BE 24-INCH BOX SIZE OR 15-GALLON SIZE. THE CITY TREE SPACING SHOULD BE APPROXIMATELY EVERY 30' FEET APART. A CONTINUOUS ROOT BARRIER SHALL BE INSTALLED ALONG THE TREE WELLS. NO TREES ARE TO BE PLANTED WITHIN 10' OF A SANITARY SEWER LATERAL AND WITHIN ANY EXISTING OR PROPOSED PUBLIC UTILITY EASEMENT.
27. NATIVE VEGETATION SHALL BE COMPRISED OF A MINIMUM OF 80% NATIVE VEGETATION CONSISTENT WITH SECTION 6.6.3 URBAN FOREST AND APPENDIX B.
28. ROOT BARRIER SHALL BE INSTALLED FOR NEW STREET TREES PER PARKS AND RECREATION STANDARD DETAIL PK-79 THRU PK-82.

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	date	issue description
	2025.07.17	SMP/ MSPD SUBMITTAL
	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2024.12.20

LANDSCAPE NOTES & LEGEND

L0.00

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By: Kristen Hansen 10/27/2023 2:19:20 PM
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GENERAL LANDSCAPE PROJECT LEGEND

KEY	DESCRIPTION	DETAIL
	LIMIT OF WORK	
	PROPERTY LINE	
	MATCH LINE	
	PHASE LINE	
	BREAK LINE	
SS	(E) SANITARY LINE	
SD	(E) STORM DRAIN LINE	
W	(E) WATER LINE	
E	(E) ELECTRIC LINE	
G	(E) GAS LINE	
XX / XX	DETAIL CALLOUT	
XX / XX	ELEVATION INDICATOR	
XX / XX	SECTION / ELEVATION DETAIL	
	TREE, REFER TO PLANTING PLAN	

LANDSCAPE MATERIAL LEGEND - GROUND LEVEL

KEY	DESCRIPTION	DETAIL# / SHEET #
	CONCRETE PEDESTRIAN PAVING INTEGRAL COLOR CONCRETE PAVING FINISH: TOP-CAST 03 COLOR: TBD	1/L6.00
	PEDESTRIAN PAVING - TYPE 1 COLOR:TBD	4/L6,00
	PEDESTRIAN PAVING - TYPE 2 COLOR:TBD	8/L6.00
	STABILIZED DG PAVING	3/L6.03
	DETECTABLE WARNING PAVER	N/A
	PLANTING AREA	L7.00
	BIORETENTION PLANTING AREA	L7.00
	GEO-PAVER	1/L6.02

LANDSCAPE MATERIAL LEGEND - PODIUM LEVEL

KEY	DESCRIPTION	DETAIL# / SHEET #
	PAVER ON PEDESTAL - TYPE 1	1/L6.03
	PAVER ON PEDESTAL - TYPE 2	1/L6.03
	PAVER ON PEDESTAL - TYPE 3	1/L6,03
	WOOD PAVER ON PEDESTAL -TYPE 4	2/L6,03
	DECOMPOSED GRANITE PAVING	3/L6.03
	PLANTING AREA	L7.00
	BIORTENTION PLANTING AREA	L7.00

SITE FURNISHING LEGEND

KEY	DESCRIPTION	MODEL	MANUFACTURER	DETAIL# / SHEET #	
	BIKE RACK TYPE 1	TBD	TBD	9/L6.00	
	CAFE TABLE + CHAIR	TBD	TBD	N/A	
	SINGLE CHAIRS	TBD	TBD	N/A	
	COMMUNITY TABLE	TBD	TBD	N/A	
	TABLE	TBD	TBD	N/A	
	PING PONG TABLE	TBD	TBD	N/A	
T R R	TRASH/RECYCLE UNIT	TBD	TBD	N/A	
	LOUNGE CHAIR	TBD	TBD	N/A	
	CONCRETE SEATWALL	TBD	TBD	N/A	
	CONCRETE BIORETENTION PLANTER	TBD	TBD	N/A	
	OUTDOOR KITCHEN W/ BBQ + SINK	TBD	TBD	1/L6,04	
	REMOVABLE UMBRELLA	TBD	TBD	N/A	
	BENCH (GROUND LEVEL OR PODIUM)	TBD	TBD	2/L6,01, 2/L6.04	
	BOULDER SEATING	TBD	TBD	5/L6,01	
	REMOVABLE CUBE SEATING	TBD	TBD	N/A	
	REMOVABLE TABLE	TBD	TBD	N/A	

TREES*

SYMBOL	KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	WATER USE	80% MATURE CANOPY	MATURE SIZE
	ARB MAR	ARBUTUS MARINA	MARINA MADRONE	36" BOX	AS SHOWN	L	24' W	40' H X 30'W
	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	36" BOX	AS SHOWN	L	12' W	25' H X 15'W
	LAG IND	LAGERSTROEMIA 'NATCHEZ'	NATCHEZ HYBRID CRAPE MYRTLE	36" BOX	AS SHOWN	L	16' W	25' H X 20'W
	PLA RAC	PLATANUS RACEMOSA	WESTERN SYCAMORE	36" BOX	AS SHOWN	M	28' W	80'H X 35' W
	QUE LOB	QUERCIS LOBATA	VALLEY OAK	36" BOX	AS SHOWN	L	40' W	70' H X 50' W
	ROB PUR	ROBINIA 'PURPLE ROBE'	PURPLE ROBE LOCUST	36" BOX	AS SHOWN	L	30' W	40' H X 30' W
	ULM PAR	ULMUS PARVIFOLIA 'DRAKE'	DRAKE CHINESE ELM	36" BOX	AS SHOWN	L	35' W	45' H X 43'W
HATCH	KEY	SCIENTIFIC NAME		SIZE	SPACING	WATER USE		MATURE SIZE
SHRUBS - FULL SUN								
	ACH MIL	ACHILLEA MILLEFOLIUM	YARROW	1 GAL	2'-6"	L		2' H X 2' W
	AGA AME	AGAVE AMERICANA	CENTURY PLANT	15 GAL	5'-0"	VL		4' H X 6' W
	ASC FAS	ASCLEPIAS CALIFORNICA	CALIFORNIA MILKWEED	5 GAL	3'-0"	L		3' H X 3' W
	ASC FAS	ASCLEPIAS FASCICULARIS	NARROW LEAF MILKWEED	5 GAL	3'-0"	L		3' H X 3' W
	PHL FRU	PHLOMIS FRUTICOSA	JERUSALEM SAGE	5 GAL	3'-0"	L		3' H X 5' W
	ROS COU	ROMNEYA COULTERI	MATILIJA POPPY	5 GAL	2'-0"	L		5' H X 7' W
	SAL CLE	SALVIA CLEVLANDII	CLEVELAND SAGE	5 GAL	6'-0"	L		3' H X 6' W
	YUC FIL	YUCCA FILAMENTOSA 'BRIGHT EDGE'	BRIGHT EDGE YUCCA	5 GAL	4'-0"	L		3' H X 4' W

SHRUB, GRASSES, PERENNIALS + GROUNDCOVER PLANTING SCHEDULE CONTINUED

HATCH	KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	WATER USE	MATURE SIZE
SHRUBS - PART SUN							
	AGA ATT	AGAVE ATTENUATA 'RAY OF LIGHT'	FOX TAIL AGAVE	5 GAL	5'-0"	L	4' H X 6' W
	ASP DEN	ASPARAGUS DENSIFLORUS 'MYERS'	FOXTAIL FERN	5 GAL	2'-0"	M	1' H X 1'-6' W
	ALO JOH	ALOE 'JOHNSON'S HYBRID'	ALOE 'JOHNSON'S HYBRID'	5 GAL	9'-0"	M	8' H X 10' W
	CAL GRA	CALANDRINIA GRANDIFLORA	ROCK PURSEANE	5 GAL	2'-0"	L	1' H X 3' W
	ERI FAS	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	5 GAL	2'-0"	L	8' H X 6' W
	EPI CAN	EPILOBIUM CANUM	CALIFORNIA FUSHIA	5 GAL	2'-0"	L	3' H X 3' W
	FAS JAP	FATSIA JAPONICA	JAPANESE ARALIA	5 GAL	3'-0"	M	10' H X 6' W
	LEU SAF	LEUCADENDRON 'SAFARI SUNSET'	SAFARI CONEBUSH	15 GAL	5'-0"	L	8' H X 6' W
	LUP ALB	LUPINUS ALBIFRONS	SILVER LUPINE	5 GAL	3'-0"	L	3' H X 4' W
	MEL MAJ	MELIANTHUS MAJOR	HONEY BUSH	15 GAL	5'-0"	L	6' H X 6' W
	PHI SEL	PHILODENDRON SELLOUM	TREE PHILODENDRON	15 GAL	5'-0"	M	8' H X 6' W
	RHA CAL	RHAMNUS CALIFORNICA	COFFEEBERRY	15 GAL	8'-0"	L	6' H X 8' W
	SAL MEL	SALVIA MELLIFERA	BLACK SAGE	5 GAL	3'-0"	L	3' H X 4' W
	TIB URV	TIBOUCHINA URVILLEANA	PRINCESS FLOWER	15 GAL	5'-0"	M	6' H X 6' W
SHRUBS - SHADE							
	ASP ELA	ASPIDISTRA ELATIOR	CAST IRON PLANT	5 GAL	1'-6"	L	2' H X 2' W
	CLI MIN	CLIVIA MINIATA	NATAL LILY	5 GAL	2'-0"	M	1'-6" H X 2' W
	MAH EUR	MAHONIA EURYBRACTEATA 'SOFT CARESS'	SOFT CARESS MAHONIA	5 GAL	2'-0"	L	3' H X 3' W
	POL MUN	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	5 GAL	2'-0"	M	2' H X 2' W
	WOO FIM	WOODWARDIA FIMBRIATA	GIANT CHAIN FERN	5 GAL	3'-0"	M	4' H X 4' W
GRASSES AND GROUND COVERS - FULL SUN							
	ANE LES	ANEMANTHELE LESSONIANA	NEW ZEALAND WIND GRASS	5 GAL	2'-0"	M	2' H X 2' W
	BAC PIL	BACCHARIS PILULARIS	COYOTE BRUSH	5 GAL	2'-0"	L	1' H X 6' W
	BOU GRA	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA	5 GAL	2'-0"	L	1' H X 1' W
	CEA GRI	CEANOTHUS GRISEUS VAR. HORIZONTALIS	CALIFORNIAN LILAC	5 GAL	2'-0"	L	2' H X 8' W
	FRA CHI	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	1 GAL	2'-0"	M	6" H X 2' W
	MUH DUB	MUHLENBERGIA DUBIA	PINE MUHLY	5 GAL	2'-0"	L	2' H X 2' W
	SEN VIT	SENECIO VITALIS	NARROW-LEAF CHALKSTICKS	1 GAL	2'-6"	L	1' H X 3' W
GRASSES AND GROUND COVERS - PART SUN							
	CHO TEC	CHONDROPETALUM TECTORUM	SMALL CAPE RUSH	5 GAL	2'-0"	L	2' H X 2' W
	DES CES	DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	1 GAL	2'-0"	L	2' H X 1.5' W
	LOM LON	LOMANDRA LONGIFOLIA 'BREEZE'	DWARF MAT RUSH	5 GAL	3'-0"	L	2' H X 2' W
	MUH CAP	MUHLEBERGIA CAPILLARIS 'WHITE CLOUD'	WHITE CLOUD MUHLY	5 GAL	4'-0"	L	4' H X 4' W
BIO RETENTION TREATMENT PLANTS							
	ACH MIL	ACHILLEA MILLEFOLIUM	COMMON YARROW	5 GAL	2'-0"	L	2' H X 2' W
	BOU GRA	BOUTELOUA GRACILIS	BLUE GRAMA	5 GAL	2'-0"	L	2' H X 2' W
	CAR TUM	CAREX PRAEGRACILIS	CLUSTERED FIELD SEDGE	5 GAL	3'-0"	L	3' H X 3' W
	DES CES	DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	1 GAL	2'-0"	L	2' H X 1.5' W
	ELY TRI	ELYMUS TRITICOIDES	CREEPING WILDRYE	5 GAL	2'-0"	L	2' H X 2' W
	JUN PAT	JUNCUS PATENS	COMMON RUSH	5 GAL	2'-0"	L	2' H X 1.5' W
	MUH DUB	MUHLENBERGIA DUBIA	PINE MUHLY	5 GAL	3'-0"	L	2' H X 2' W
	SAL CLE	SALVIA CLEVELANDII	CLEVELAND SAGE	5 GAL	2'-6"	L	4' H X 4' W

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	date	issue description
	2025.07.17	SMP/ MSPD SUBMITTAL
	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2024.12.20

LANDSCAPE NOTES & LEGEND

L0.01

SCALE: 1"=30'-0"
0' 15' 30' 60'

PROJECT NORTH

LANDSCAPE ILLUSTRATIVE PLAN

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By: Andrew Chang 22-387_333 Moffett Park Drive\22-387_333 moffett park drive.rvt
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date	issue description
2025.07.17	SMP/ MSPD SUBMITTAL
2025.04.23	SMP/ MSPD SUBMITTAL
2024.12.20	SMP SUBMITTAL
2024.06.14	100% SCHEMATIC DESIGN
2023.11.03	50% SCHEMATIC DESIGN
2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2024.12.20

LANDSCAPE ILLUSTRATIVE PLAN

L0.02

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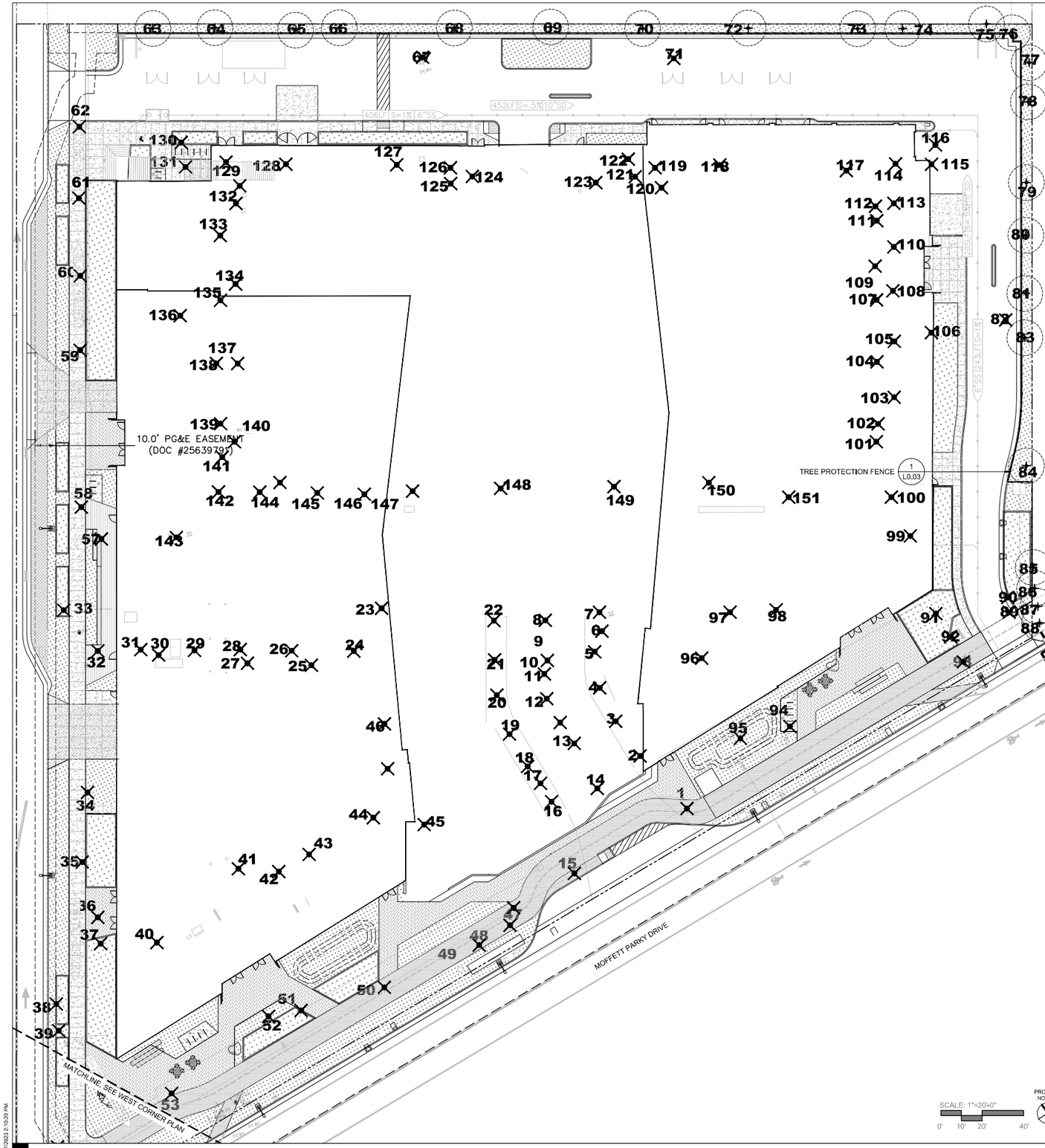


LANDSCAPE TREE DISPOSITION PLAN

TREE PROTECTION LEGEND

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

EXISTING TREES TO REMAIN			
SPECIES	NUMBER	PROTECTED	NOT PROTECTED
CHINESE PISTACHE	4	1	3
EUROPEAN WHITE BIRCH	2	0	2
FREMONT COTTONWOOD	3	0	3
LONDON PLANE	4	2	2
RAYWOOD ASH	8	1	7
SWEETGUM	2	1	1
TOTAL	23	11	12

PROPOSED TREES			
SPECIES	NUMBER	GROUND FLOOR	PODIUM FLOOR
ARBUTUS MARINA	14	8	6
CERCIS OCCIDENTALIS	7	7	0
LAGERSTROEMIA INDICA	17	6	11
PLATANUS RACEMOSA	11	11	0
QUERCUS LOBATA	8	8	0
WORMA 'PURPLE ROBE'	15	10	5
ULMUS PARVIFOLIA 'DRAKE'	15	6	9
TOTAL	87	61	26

TOTAL EXISTING TREES	151
TOTAL EXISTING TREES TO REMAIN	23
TOTAL EXISTING TREES TO BE REMOVED	128*
TOTAL PROPOSED TREES	87
TOTAL TREES ON SITE	110
NET LOSS OF TREES ON SITE	41

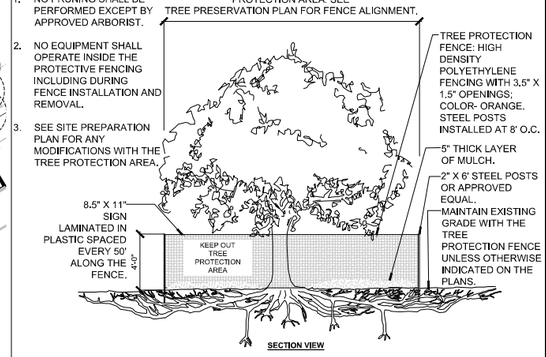
*52 of the 128 existing trees to be removed are considered protected as defined by the City of Sunnyvale Tree preservation Ordinance 2823.96, Chapter 19.94

PROTECTED TREES						
EXISTING TREE SIZE	NUMBER OR EXISTING TREE	18" BOX	24" BOX	36" BOX	48" BOX	TREE NUMBER #
13"-18" DIAMETER TREE REQUIRES (1) 24" BOX OR (3) 15-GALLON REPLACEMENT TREE	34	0	0	34	0	3,5,15,16,17,18,19,20 ,23,24,31,33,38,39,41 ,46,54,55,56,59,67,71 ,91,92,93,100,121, 135,136,133,138,142,
18"-24" DIAMETER TREE REQUIRES (1) 36" BOX OR (2) 24" REPLACEMENT TREE	9	0	0	9	0	1,37,58,60,61, 102,120,124,129
OVER 24" DIAMETER TREE REQUIRES (1) 48" BOX OR (2) 36" BOX OR (4) 24" BOX	9	0	0	18	0	30,36,50,51, 52,53,84,95,119
TOTAL	52			61		

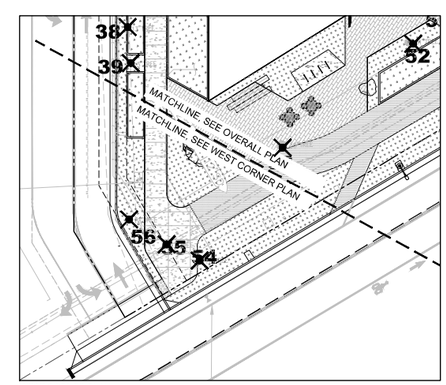
Per Sunnyvale tree replacement guidelines, a minimum of (61) 36" box replacement trees are required. An additional (21) 36" box trees will be added to the minimum of (61) 36" box tree resting a proposed total of (87) 36" box trees to the designed landscape site plan.

NOTE:
SEE ARBORIST REPORT TREE ASSESMENT PREPARED BY HORTSCIENCE | BARLETT CONSULTING DATED JULY 2023 FOR ADDITIONAL INFORMATION.

NOTES:
1. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
2. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
3. SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.



1 TREE PROTECTION FENCE



WEST CORNER PLAN

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LANDSCAPE TREE DISPOSITION PLAN

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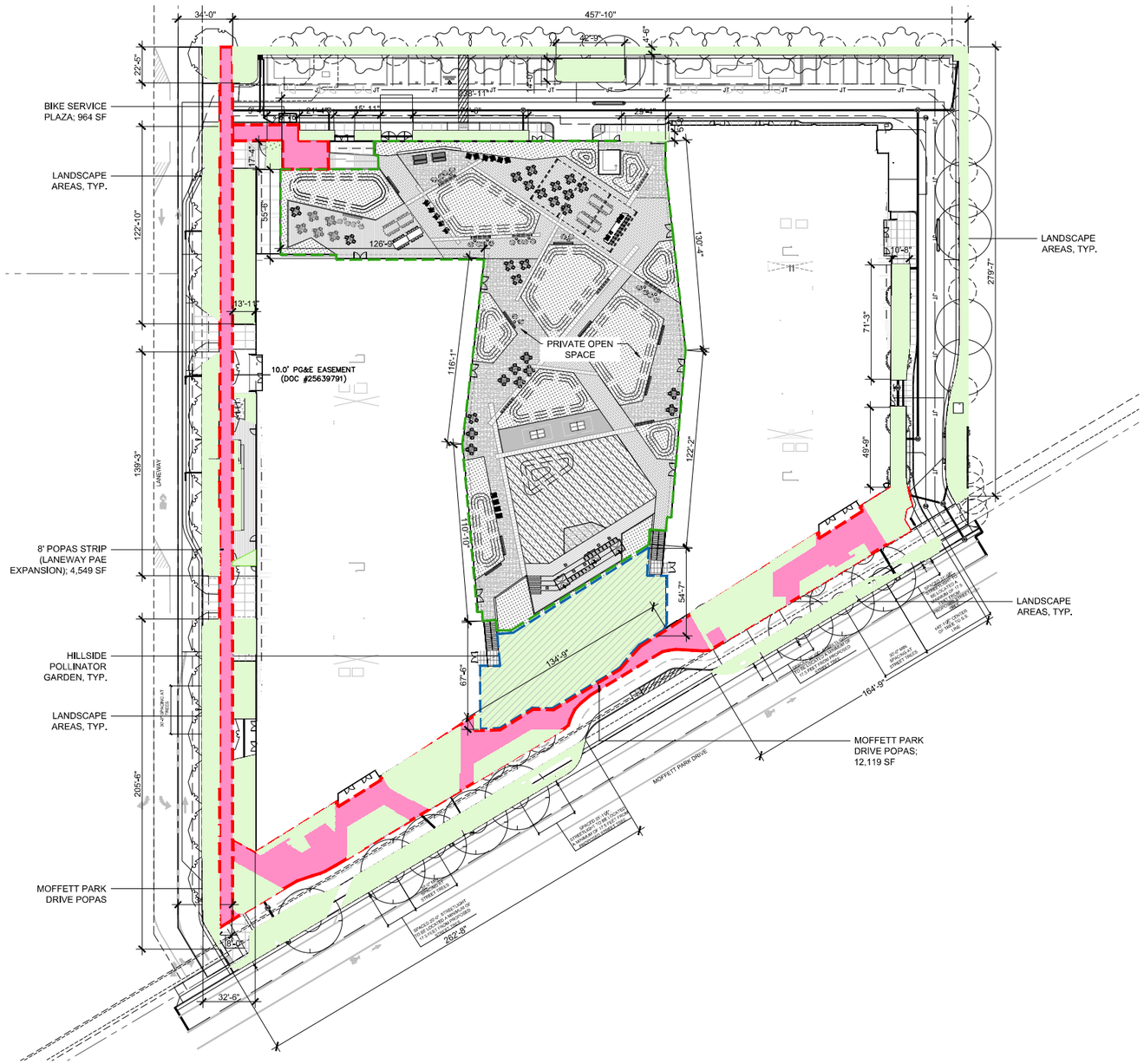

LANDSCAPE OPEN SPACE TYPES

LIMIT OF PRIVATE OWNERSHIP PUBLIC OCCUPANCY (POPAS)

MOFFETT PARK DRIVE POPAS = 12,119 SF

8' POPAS STRIP (LANEWAY PAE EXPANSION = 4,549 SF.

BIKE SERVICE POPAS= 964 SF.

MINI PARK:
HILLSIDE POLLINATOR GARDEN, TYP. = 6,379 SF.

LANDSCAPE AREAS AT GROUND FLOOR =31,445 SF.

LIMIT OF PRIVATE OPEN SPACE AT PODIUM LEVEL = 42,800 SF.
THIS WILL INCLUDE A MINIMUM OF 20% OR (8,560 SF.) OF AREA SHALL BE PLANTED WITH TREES, GROUND COVER, AND/OR SHRUBS.

SCALE: 1"=30'-0"
0' 15' 30' 60'

PROJECT NORTH

L2.00 LANDSCAPE OPEN SPACE FRAMEWORK

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LANDSCAPE OPEN SPACE FRAMEWORK

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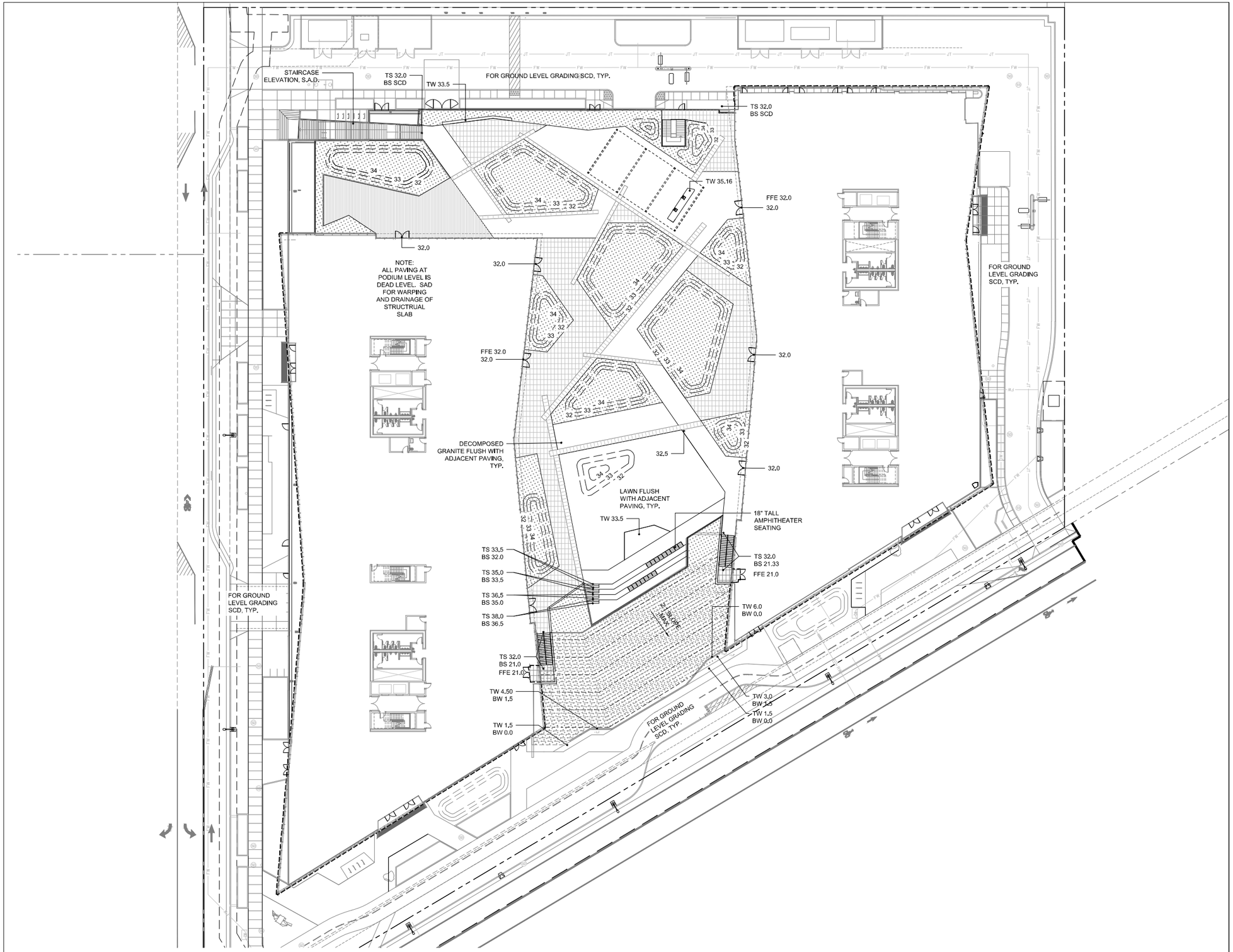

LANDSCAPE GRADING PLAN - PODIUM

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LANDSCAPE GRADING PLAN - PODIUM

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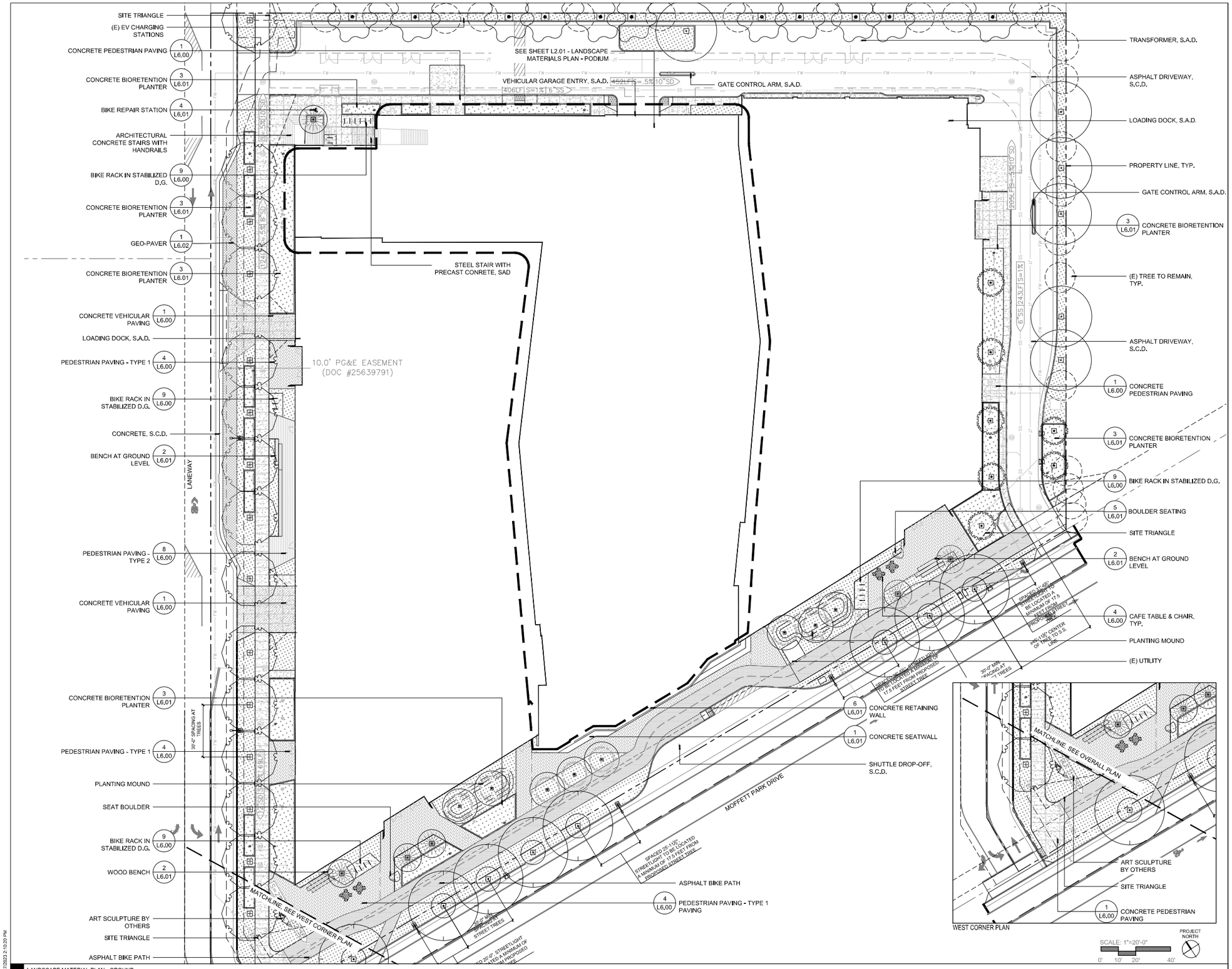

LANDSCAPE MATERIAL PLAN - GROUND

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LANDSCAPE MATERIAL PLAN - GROUND

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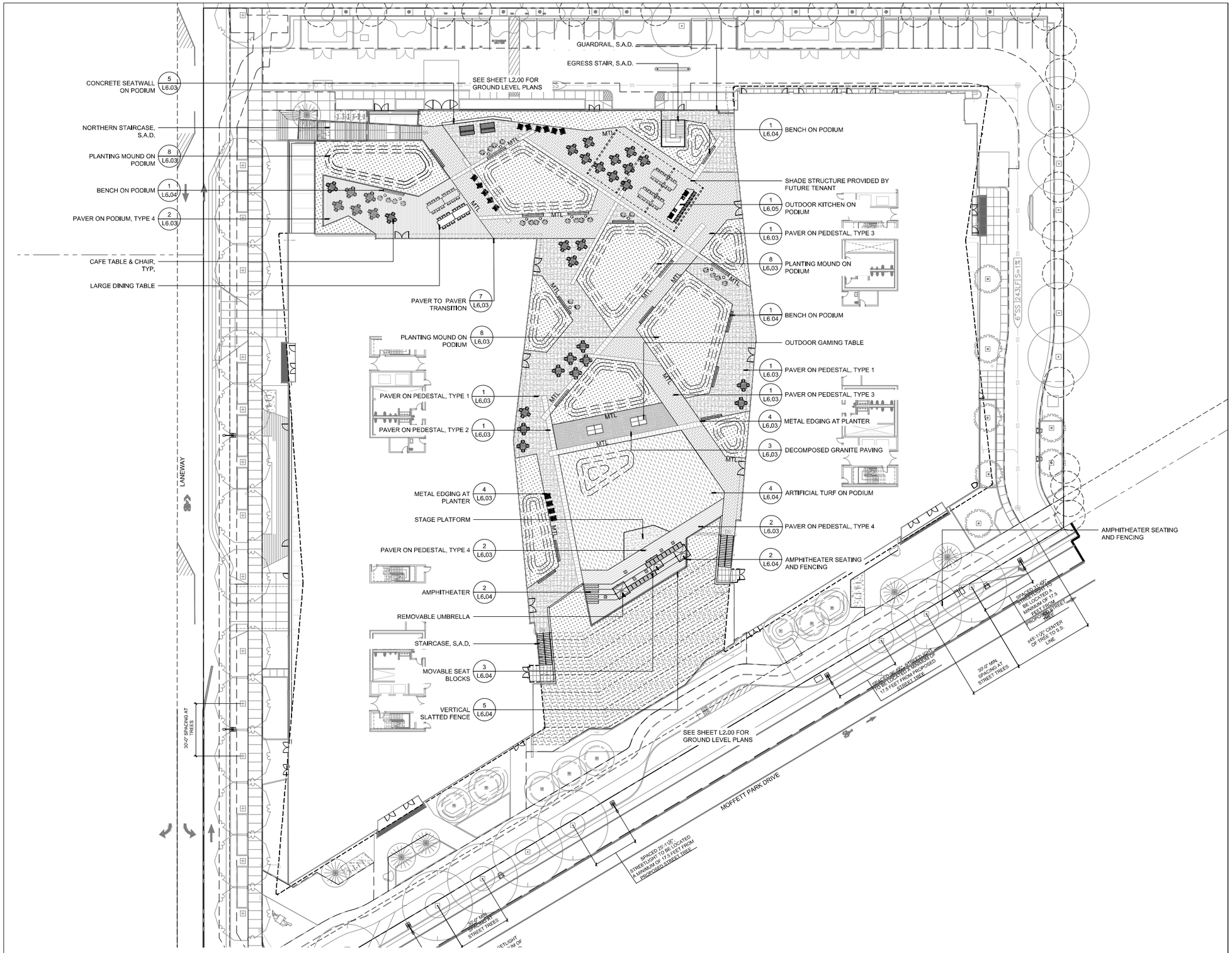

LANDSCAPE MATERIALS PLAN - PODIUM

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LANDSCAPE MATERIALS PLAN - PODIUM

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file: A:\22-387 333-385 Moffett Park Drive\22-387_333 Moffett park drive.rvt
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IRRIGATION DATA SUMMARY

TOTAL LANDSCAPE AREA:	48,446 SQFT
PROJECT TYPE:	NEW, PRIVATE
WATER SUPPLY TYPE:	RECYCLED

IRRIGATION HYDROZONE LEGEND

KEY	ZONE	IRRIGATION TYPE	TOTAL AREA
	HYDROZONE 1 - LOW SHRUBS	DRIP	38,317 SQFT
	HYDROZONE 2 - MEDIUM SHRUBS	DRIP	504 SQFT
	HYDROZONE 3 - LOW TREES	DRIP	2,128 SQFT
	HYDROZONE 4 - MEDIUM TREES	DRIP	308 SQFT
	HYDROZONE 5 - MEDIUM STORMWATER	DRIP	7189 SQFT

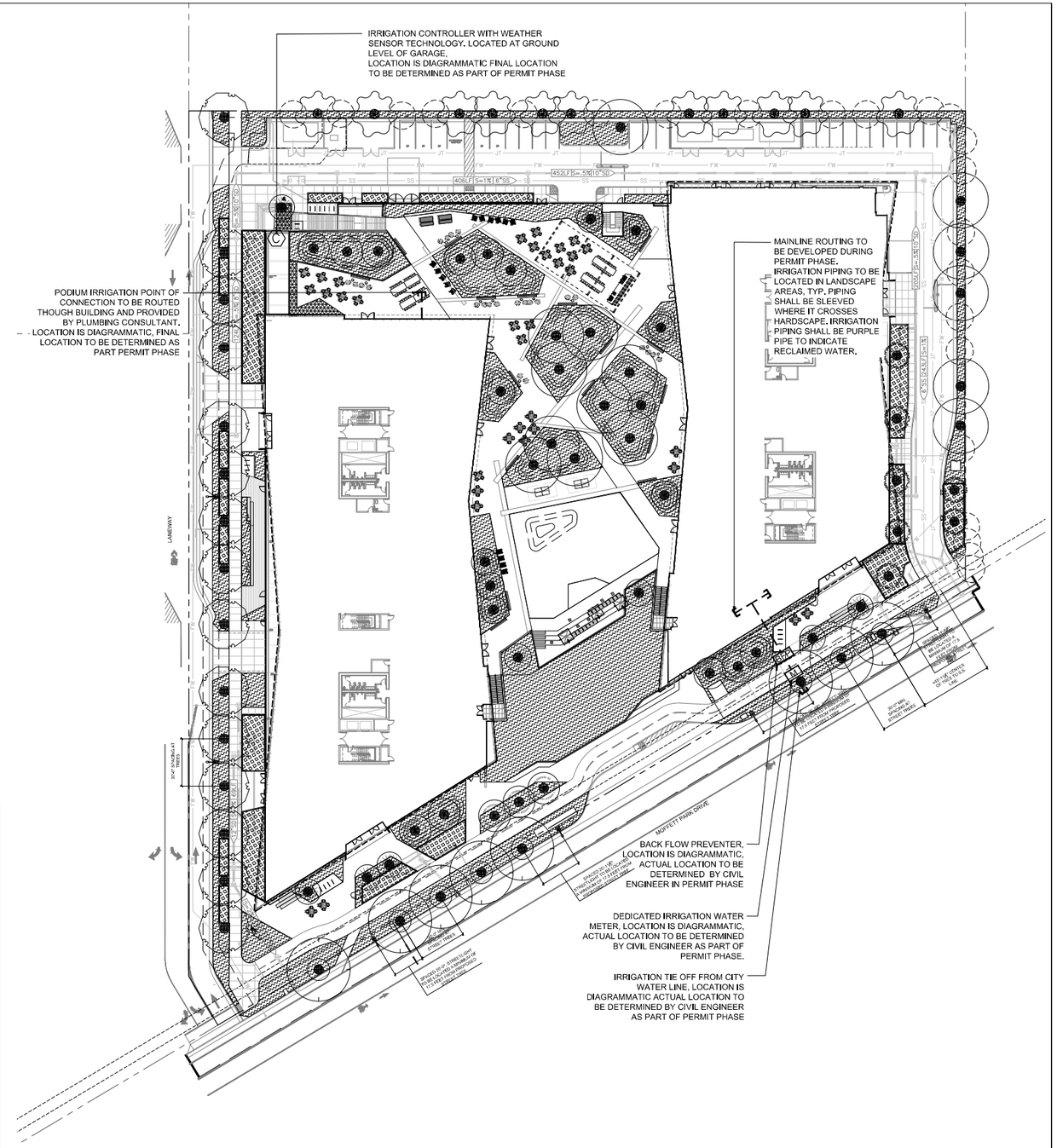
IRRIGATION LEGEND

SYMBOL	DESCRIPTION
M	WATER METER
BFP	BACKFLOW PREVENTER
C	AUTOMATIC IRRIGATION CONTROLLER
— — — — — —	MAINLINE, SLEEVE UNDER HARDSCAPE, MAINLINE ROUTING IS DIAGRAMMATIC, ALL PIPING TO BE PURPLE PIPE

CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE WATER USE CALCULATION

California Water Efficient Landscape Worksheet

Reference Evapotranspiration (ET_0)		45.4	Project Type		Non-Residential		0.45
Hydrozone # / Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
1 - Low Shrubs	0.1	Drip	0.81	0.12	38510	4754	133825
2 - Medium Shrubs	0.5	Drip	0.81	0.62	504	311	8757
3 - Low Trees	0.2	Drip	0.81	0.25	2128	525	14790
4 - Medium Trees	0.6	Drip	0.81	0.74	308	228	6422
5- Medium Stromwater	0.5	Drip	0.81	0.62	7197	4443	125050
				Totals	48647	10262	288844
Special Landscape Areas							
				1		0	0
				1		0	0
				1		0	0
				1		0	0
				Totals	0	0	0
						ETWU Total	288844
						Maximum Allowed Water Allowance (MAWA)	616192



NOTES:

1) THE IRRIGATION WATER IS RECLAIMED. ALL IRRIGATION PIPING SHALL BE PURPLE PIPE.
2) THE IRRIGATION PLAN IS DIAGRAMMATIC. FINAL IRRIGATION PLANS SHALL BE DEVELOPED AS PART OF THE PERMIT PHASE

SCALE: 1"=30'-0"
0' 15' 30' 60'
PROJECT NORTH

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5	2025.07.17	SMP/ MSPD SUBMITTAL
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LANDSCAPE IRRIGATION PLAN

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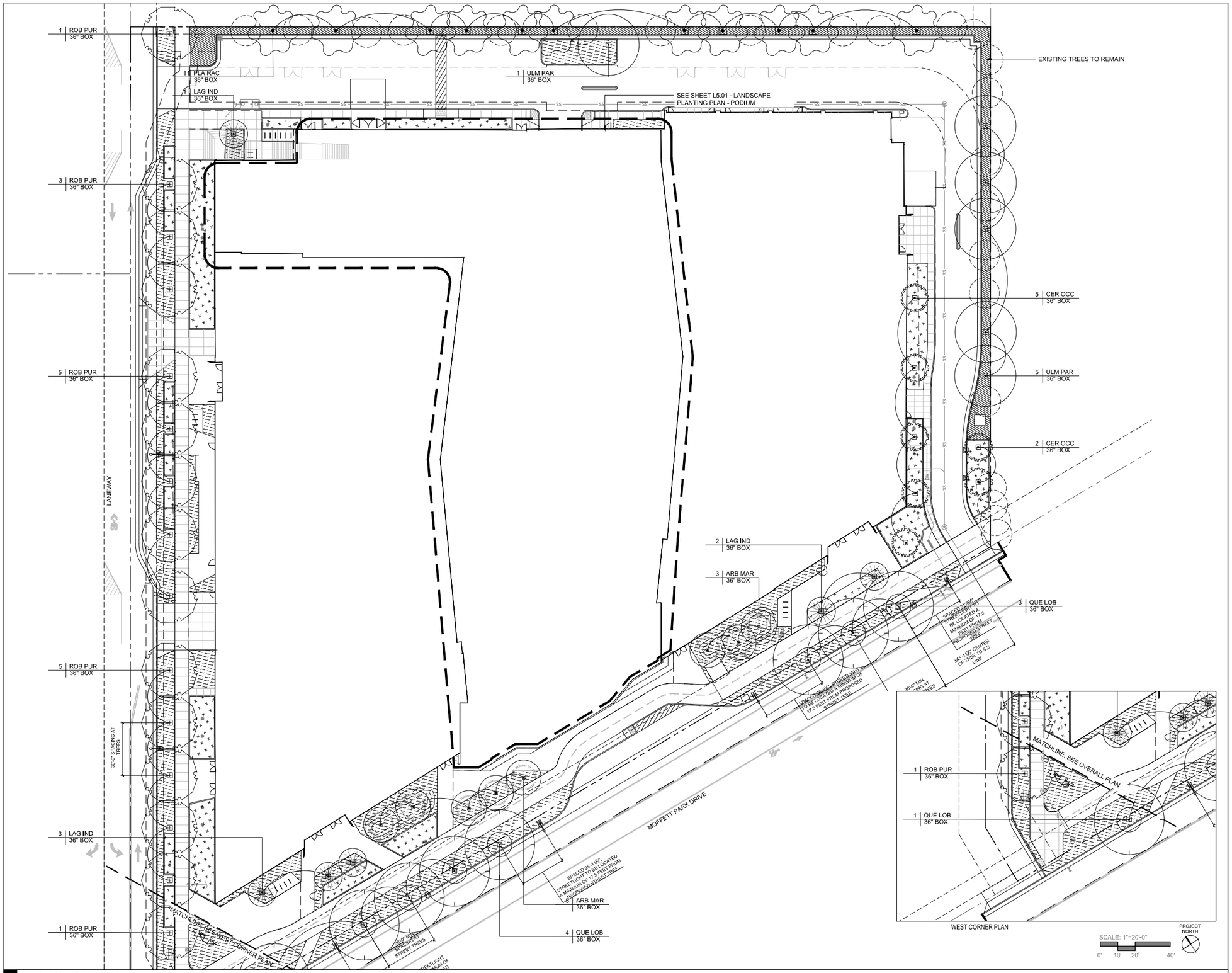

LANDSCAPE PLANTING PLAN - GROUND

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LANDSCAPE PLANTING PLAN - GROUND

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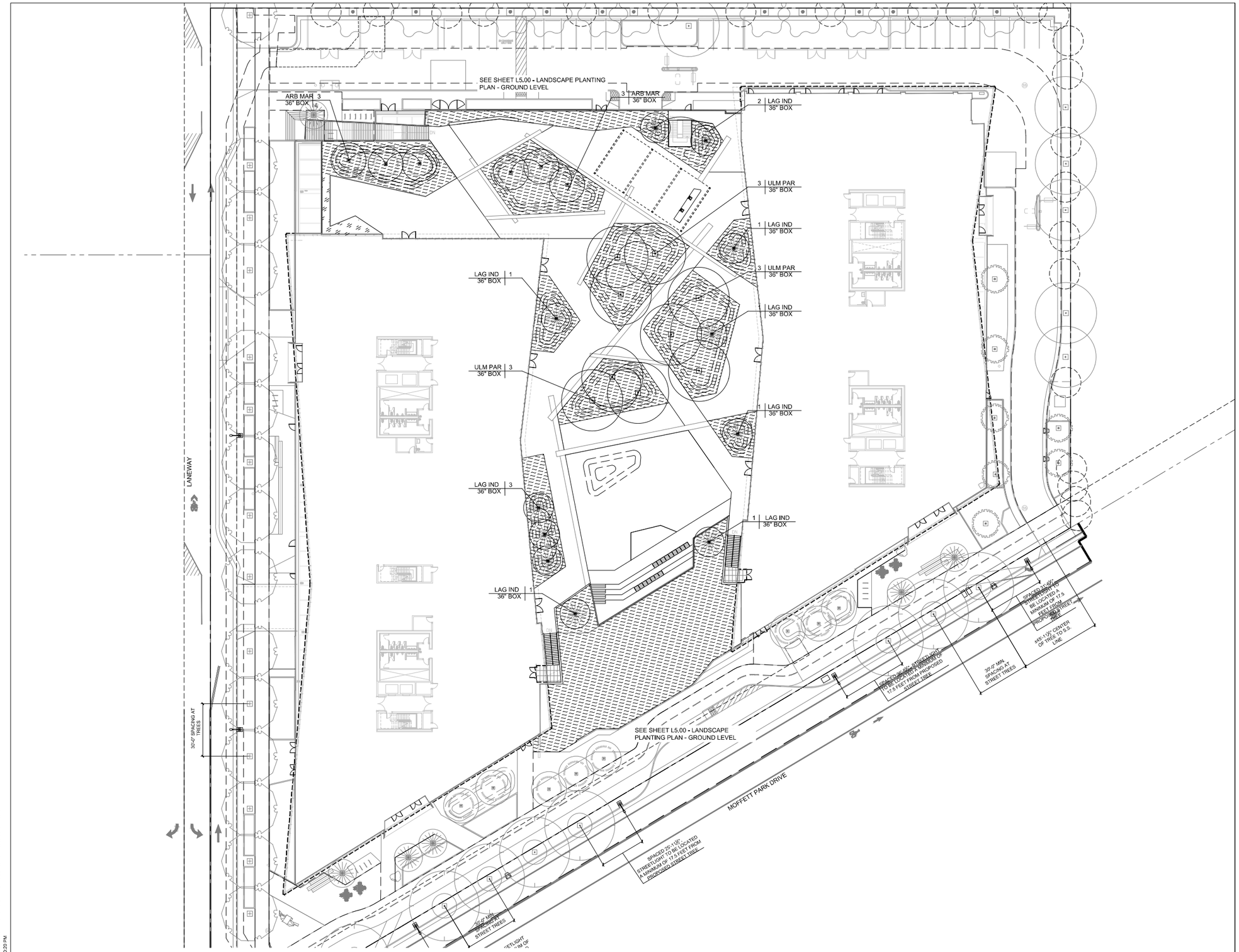

LANDSCAPE PLANTING PLAN - PODIUM

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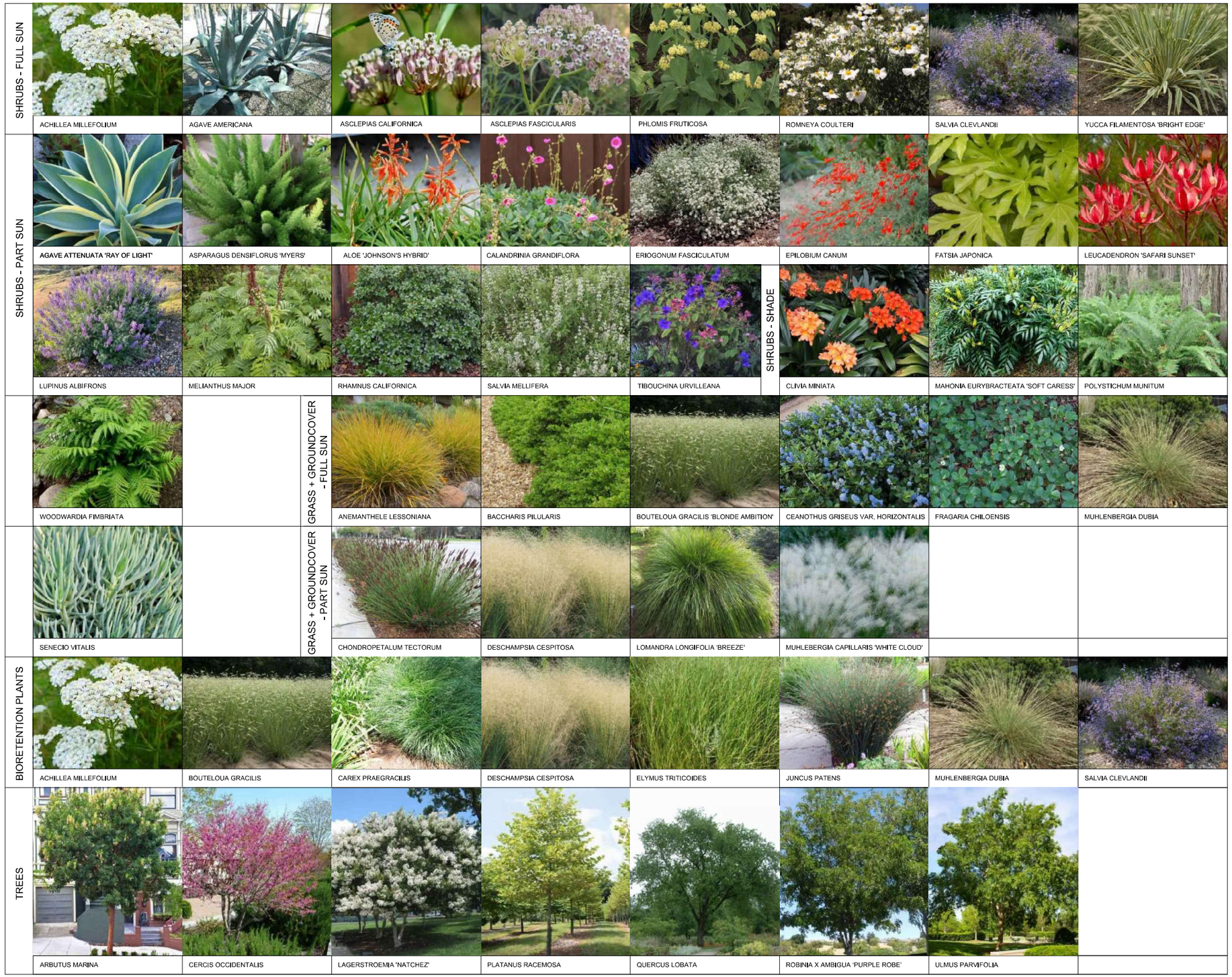

LANDSCAPE PLANTING IMAGES

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LANDSCAPE PLANTING IMAGES

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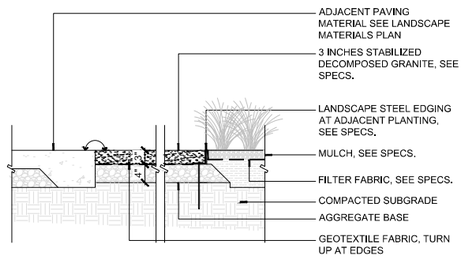
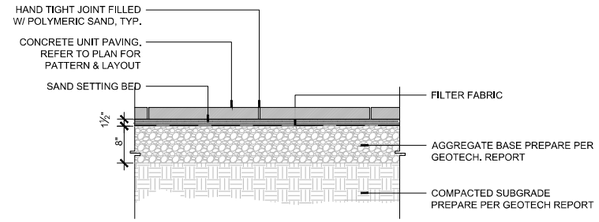
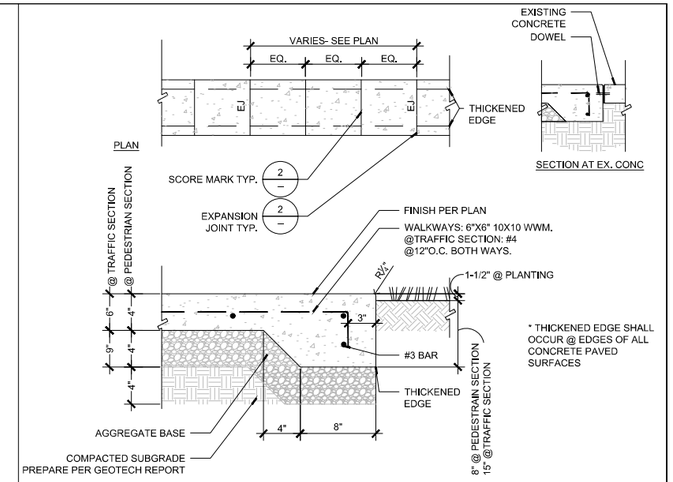


7 STABILIZED D.G. PAVING NTS

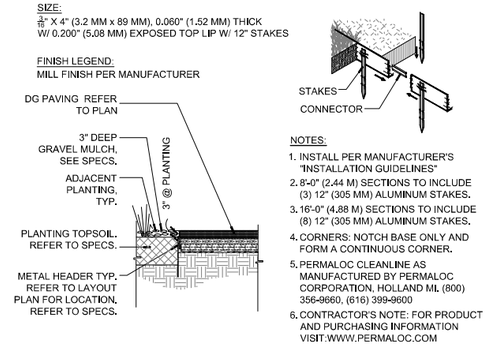


4 PEDESTRIAN PAVING - TYPE 1 NTS

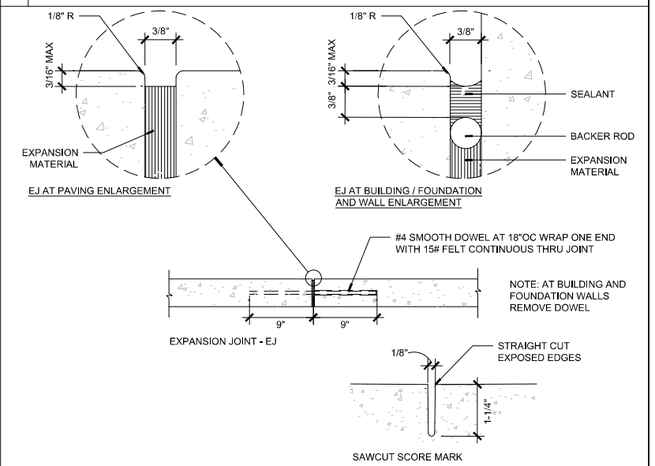


1 CONCRETE PAVING NTS

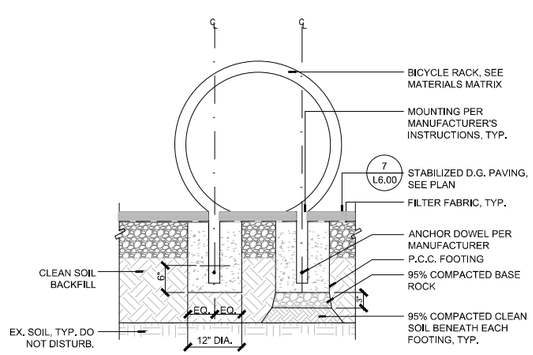
8 PEDESTRIAN PAVING - TYPE 2 NTS



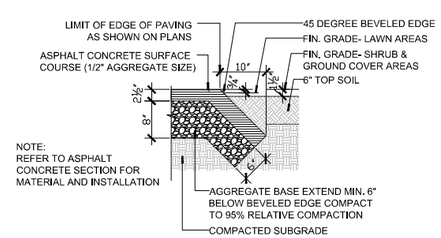
5 METAL HEADER NTS



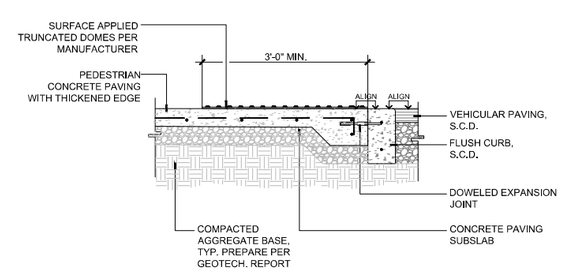
2 CONCRETE JOINT NTS



9 BIKE RACK IN STABILIZED D.G. NTS



6 ASPHALT PAVING NTS



3 DETECTABLE WARNING PAVER NTS

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creo

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	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTA

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2024.12.20

LANDSCAPE CONSTRUCTION DETAILS

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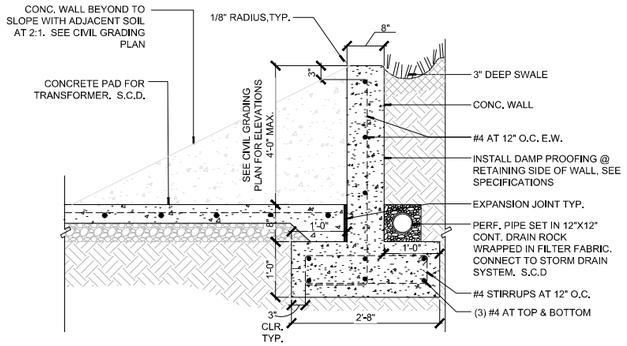
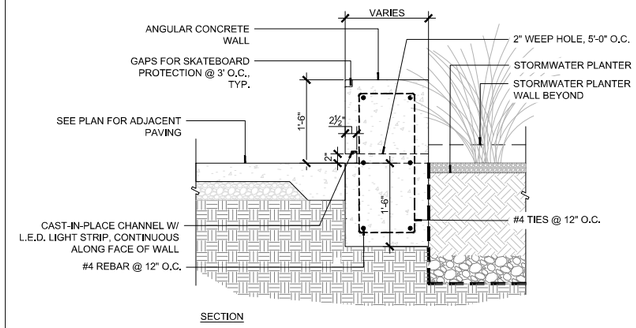


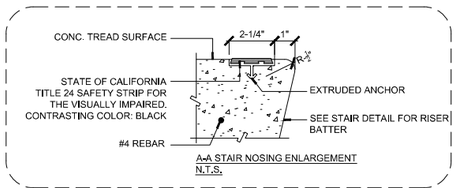
6 CONCRETE RETAINING WALL NTS

4 BIKE REPAIR STATION NTS



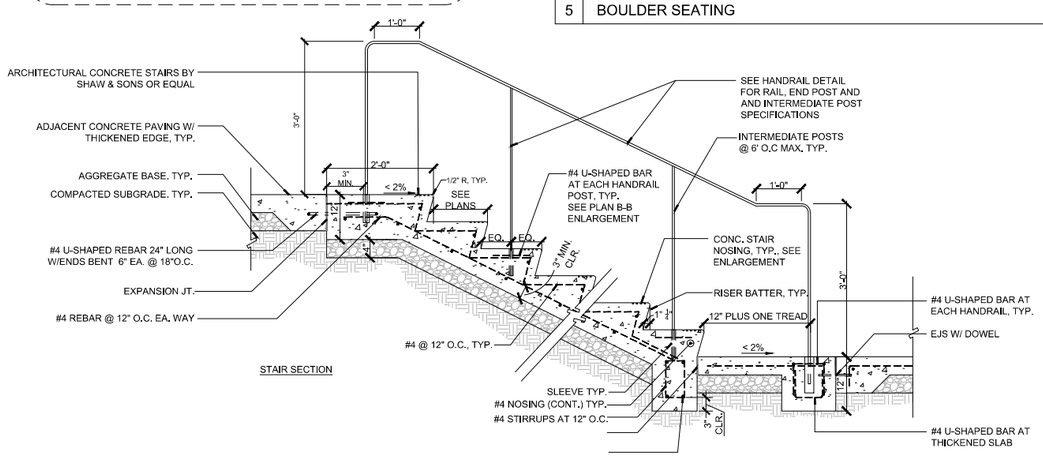
1 CONCRETE SEATWALL NTS

NOTE:
1. SEE LAYOUT PLAN AND GRADING PLAN FOR NUMBER OF RISERS(R) AND TREADS(T)
2. ALL EXPOSED FACES OF CONCRETE STAIR SHALL RECEIVE SAME FINISH & COLOR. REFER TO SPECIFICATIONS.
3. HANDRAILS TO RECEIVE PRIMER AND PAINT. SEE SPECS FOR ADDITIONAL INFORMATION.
4. ALL RAILING TO BE HOT DIPPED GALVANIZED STL., PRIMED AND PAINTED TO MATCH ARCHITECTURAL MULLIONS. SAMPLE TO BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL.

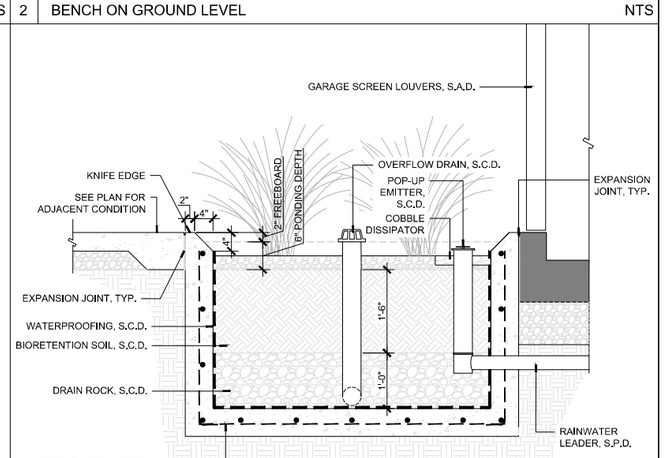


5 BOULDER SEATING NTS

2 BENCH ON GROUND LEVEL NTS



7 ARCHITECTURAL CONCRETE STAIR NTS



3 CONCRETE BIORETENTION PLANTER NTS

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	2025.07.17	SMP/ MSPD SUBMITTAL
	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTA

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

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LANDSCAPE CONSTRUCTION DETAILS

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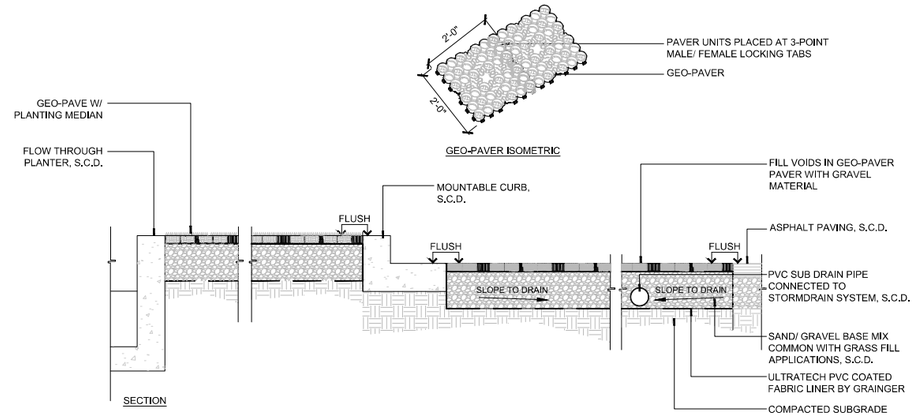

1	GEO-PAVER	NTS

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#	date	issue description
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	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	80% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTA

333-385 MOFFETT PARK DRIVE

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LANDSCAPE CONSTRUCTION DETAILS

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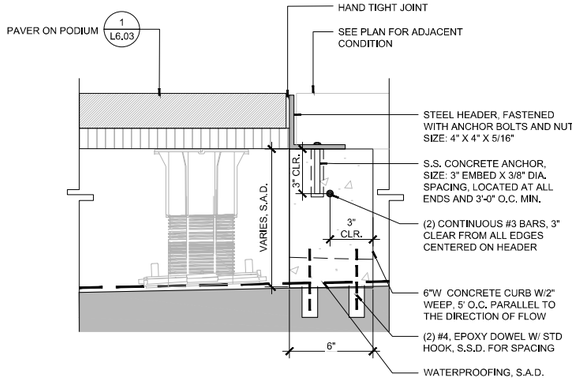
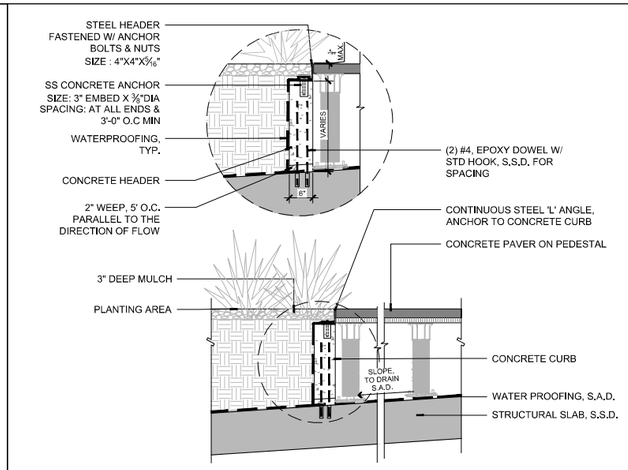
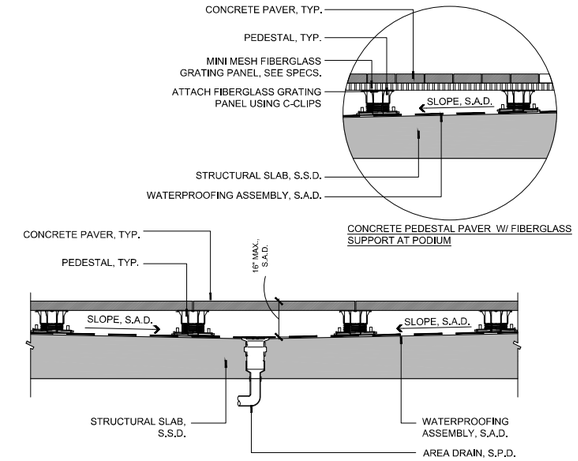


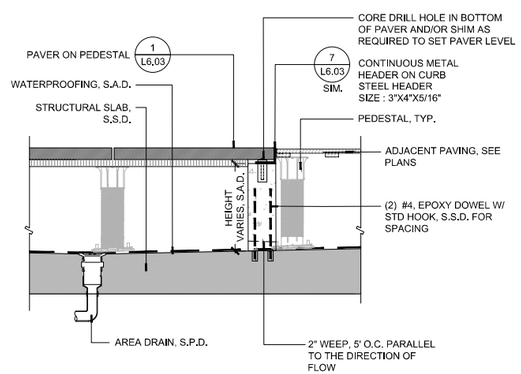
6 METAL HEADER ON CONCRETE CURB NTS



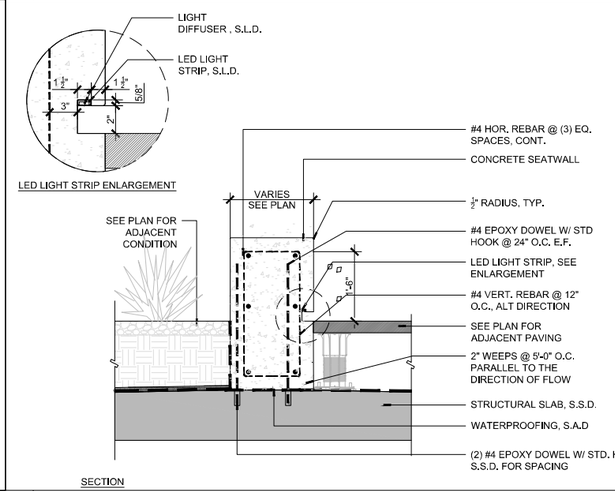
4 METAL EDGING AT PLANTER NTS



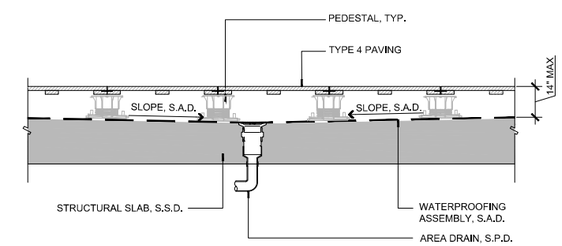
1 CONCRETE PAVER ON PEDESTAL NTS



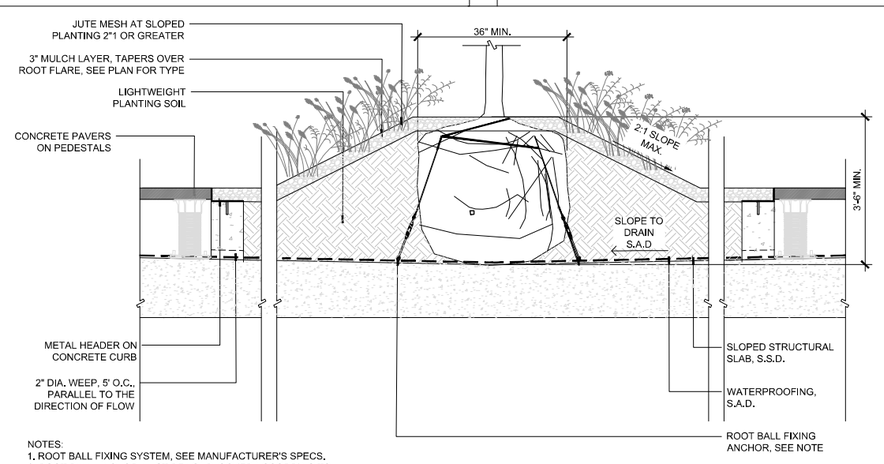
7 PAVER TO PAVER TRANSITION NTS



5 CONCRETE SEATWALL ON PODIUM NTS

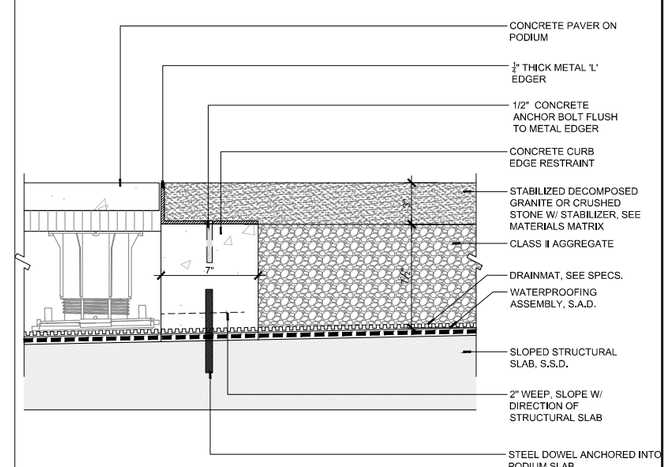


2 PAVER ON PEDESTAL - TYPE 4 NTS



NOTES:
1. ROOT BALL FIXING SYSTEM, SEE MANUFACTURER'S SPECS.
2. ROOT BALL ANCHOR MUST BE LOADLOCKED ACCORDING TO MANUFACTURES SPECIFICATIONS.

8 PLANTING MOUND ON PODIUM NTS



3 DECOMPOSED GRANITE PAVING ON PODIUM NTS

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#	date	issue description
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	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTA

333-385 MOFFETT PARK DRIVE
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LANDSCAPE CONSTRUCTION DETAILS - PODIUM

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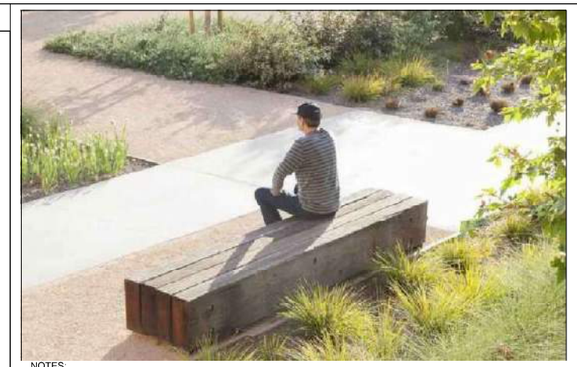
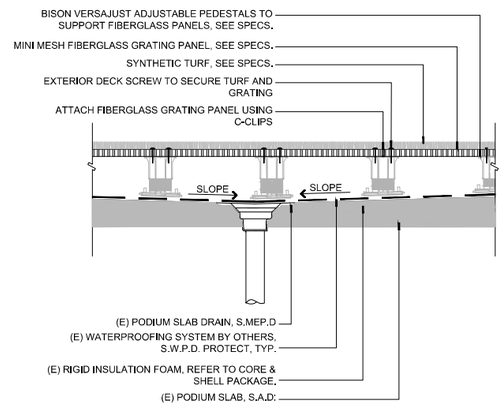
By: Michael Dorr 10/27/2023 2:10:23 PM
22-387_333 Moffett Park Drive\22-387_333 moffett park drive.rvt

3 REMOVABLE SEAT BLOCKS NTS

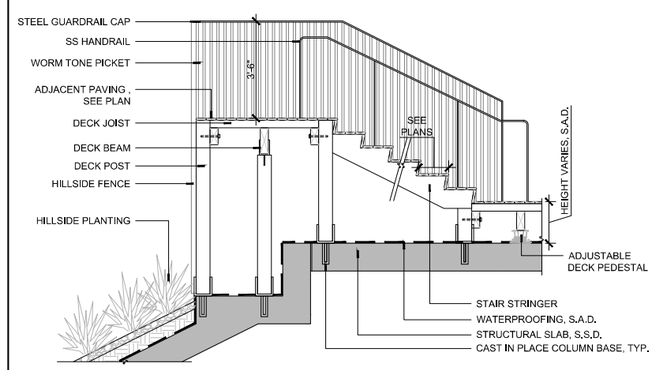


NOTES:
1. BENCH CONSTRUCTED WITH 6"X18" REDWOOD TIMBER
2. HEAVY DUTY BOLTS TO BE THREADED THROUGH TIMBER MEMBERS

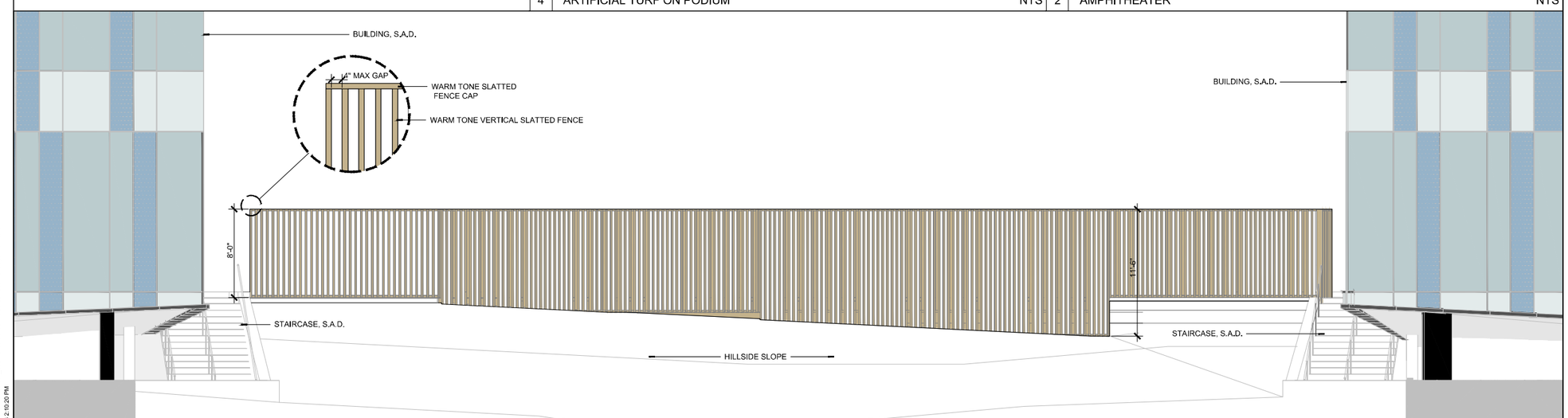
1 BENCH ON PODIUM NTS



4 ARTIFICIAL TURF ON PODIUM NTS



2 AMPHITHEATER NTS



5 VERTICAL SLATTED FENCE NTS

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	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTA

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LANDSCAPE CONSTRUCTION DETAILS - PODIUM

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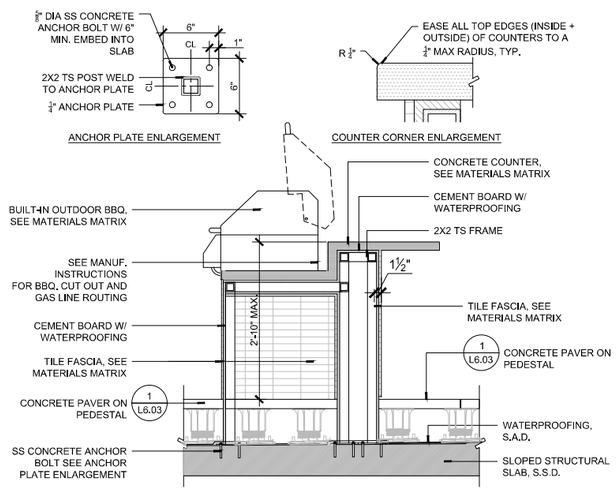
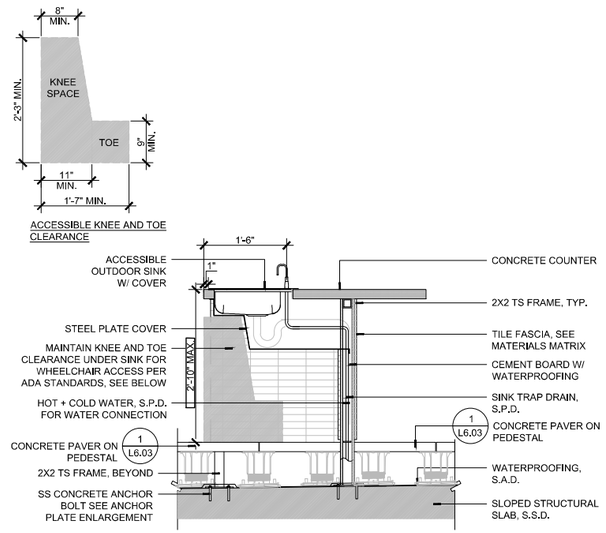
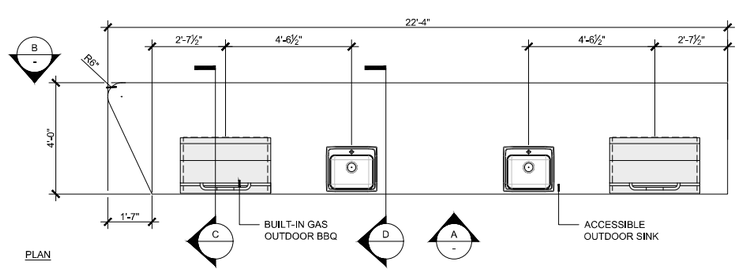


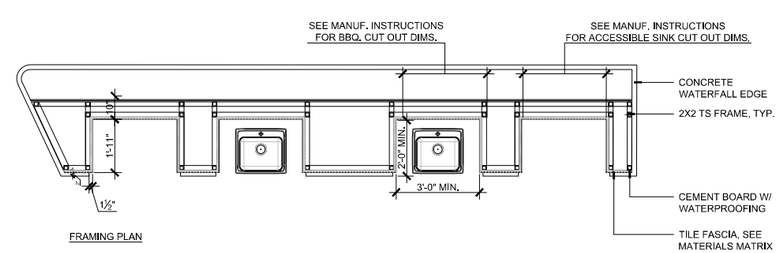
C. SECTION AT BBQ



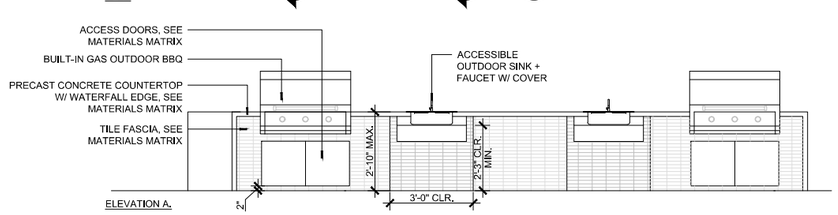
E. SECTION AT ACCESSIBLE SINK



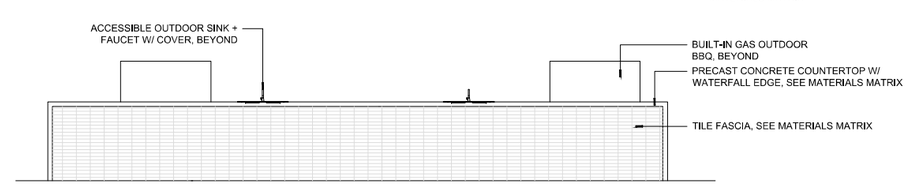
PLAN



FRAMING PLAN



ELEVATION A.



ELEVATION A.

1 OUTDOOR KITCHEN

NTS

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	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
0	2023.10.12	SITE MASTER PLAN SUBMITTA

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LANDSCAPE CONSTRUCTION DETAILS - PODIUM

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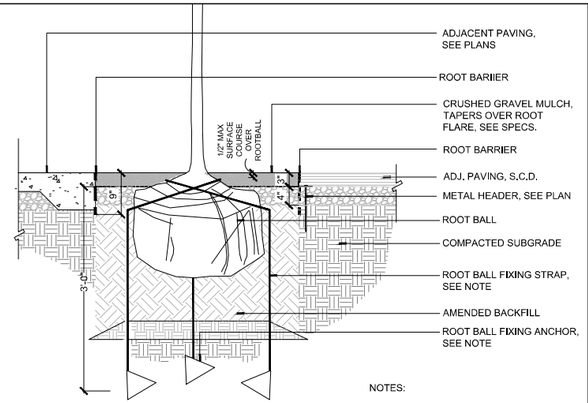
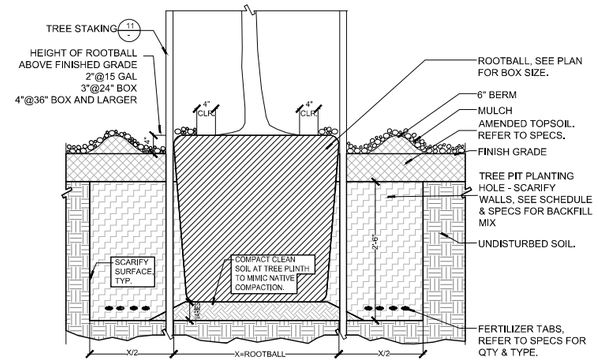


NOTES:

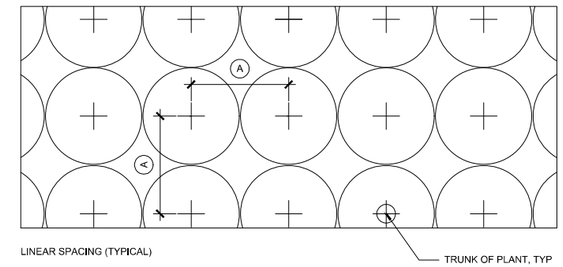
1. ROOT BALL FIXING SYSTEM, SEE MANUFACTURERS SPECIFICATION.

2. ROOT BALL ANCHOR MUST BE LOADLOCKED ACCORDING TO MANUFACTURERS SPECIFICATION.

6 ROOT BALL ANCHOR NTS



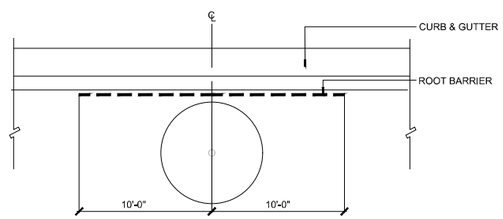
4 TREE PLANTING NTS



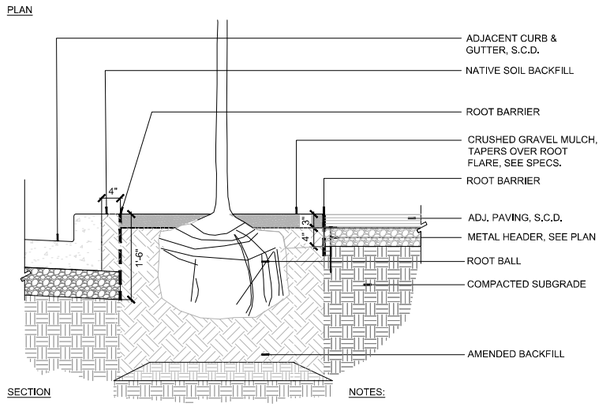
NOTE: WHERE PARALLEL ROWS FOLLOW CURVING CONTOURS, LINEAR SPACING NOT REQUIRED. MAINTAIN HORIZONTALLY PARALLEL ROWS, SEE PLAN.

FOR PLANT SPACING - SEE PLANTING PLAN

1 PLANT SPACING - LINEAR NTS



PLAN

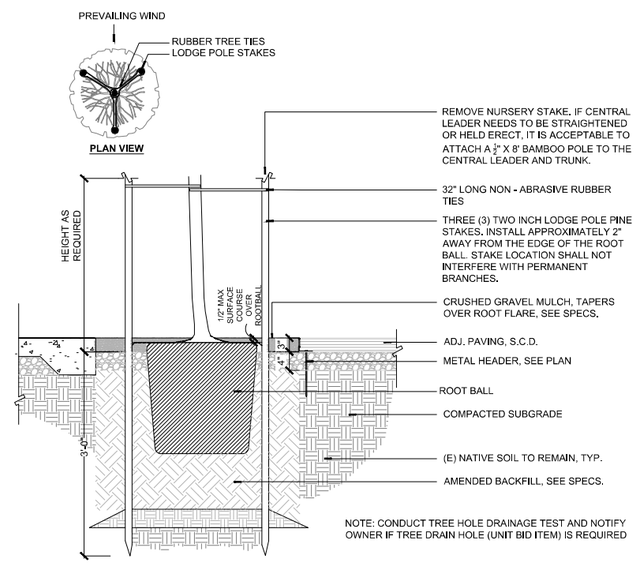


SECTION

NOTES:

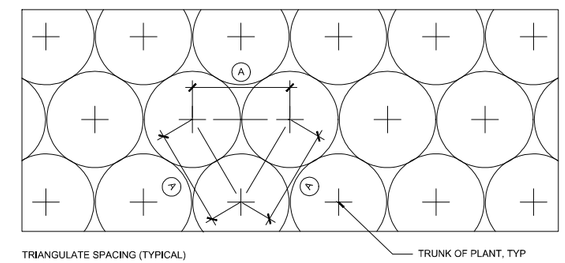
1. INSTALL ROOT BARRIER PER PARKS AND RECREATION STANDARD DETAIL PK-79 - PK-82
2. THE PLASTIC ROOT BARRIER SHALL BE A CONTINUOUS SHEET AROUND THE ENTIRE PERIPHERY OF TREE WELLS. THIS IS TO AVOID TREE ROOTS FROM GROWING IMMEDIATELY UNDER THE CONCRETE WEARING COURSE.
3. STREET TREES SHALL BE PLANTED DIRECTLY INTO THE STRUCTURAL SOIL BASE ROCK MATERIAL.

7 ROOT-BARRIER NTS



NOTE: CONDUCT TREE HOLE DRAINAGE TEST AND NOTIFY OWNER IF TREE DRAIN HOLE (UNIT BID ITEM) IS REQUIRED

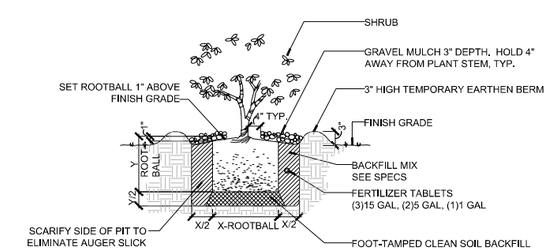
5 TREE STAKING NTS



NOTE: WHERE PARALLEL ROWS FOLLOW CURVING CONTOURS, TRIANGULAR SPACING NOT REQUIRED. MAINTAIN HORIZONTALLY PARALLEL ROWS, SEE PLAN.

PLANT SPACING - SEE PLANTING PLAN

2 PLANT SPACING - TRIANGULAR NTS



NOTE: REFER TO DETAIL #1 FOR SPACING NOTES

3 SHRUB PLANTING NTS

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Client - Line 3
Client - Line 4
Client - Line 5

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landscape architecture
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#	date	issue description
	2025.07.17	SMP/ MSPD SUBMITTAL
	2025.04.23	SMP/ MSPD SUBMITTAL
	2024.12.20	SMP SUBMITTAL
	2024.06.14	100% SCHEMATIC DESIGN
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTA

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 23-387
date: 2024.12.20

LANDSCAPE PLANTING DETAILS

L7.00

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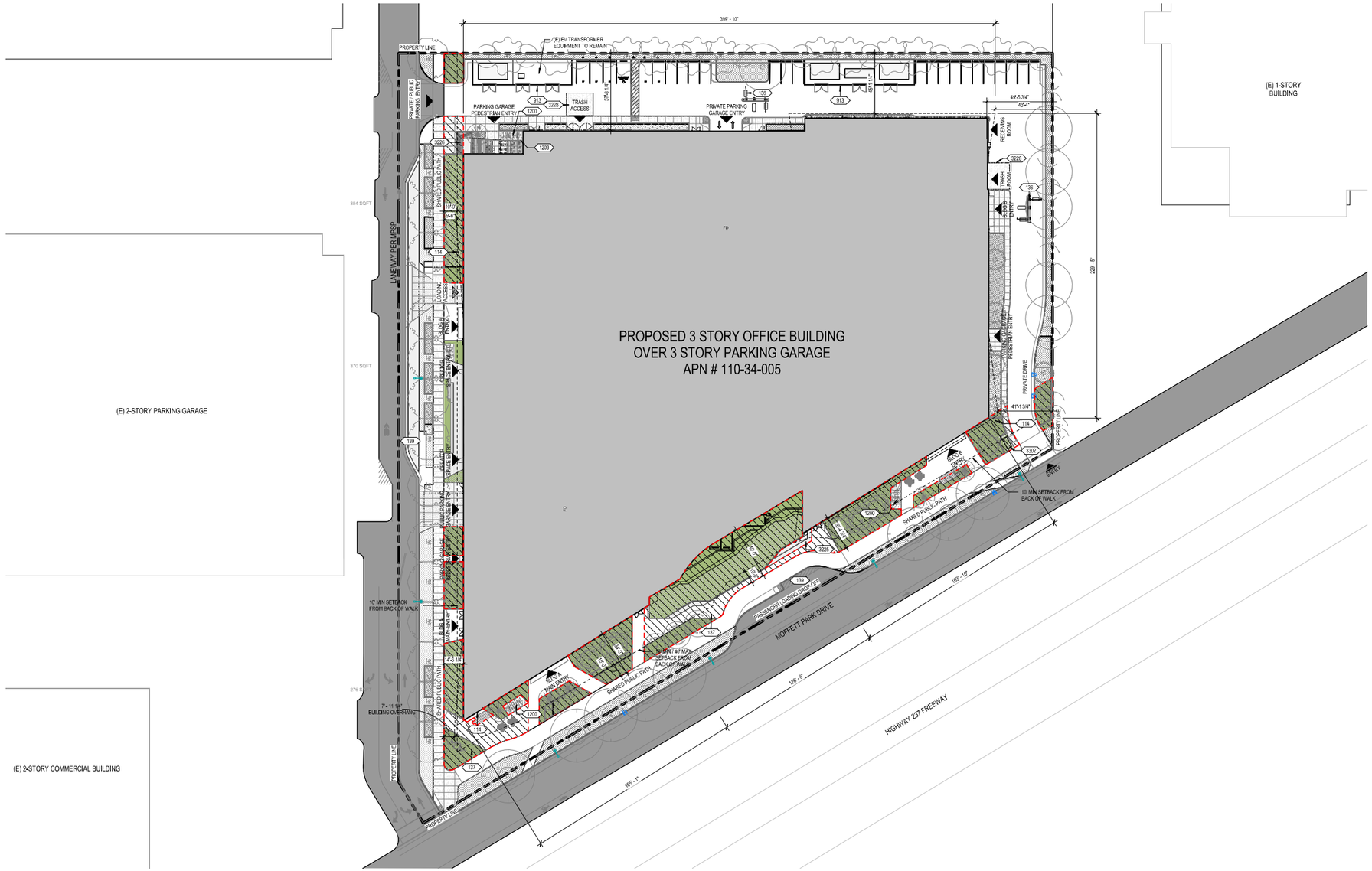

1 SITE PLAN 1/32" = 1'-0"

1. NO WORK IS TO BE DONE IN AREAS MARKED "N.I.C.", U.O.N.
2. GC SHALL REFER TO OWNER PROVIDED TOPOGRAPHICAL SURVEY, GEOTECHNICAL AND/OR ENVIRONMENTAL REPORT(S), DRY UTILITIES AND SHORING DRAWINGS OR SIM. SUCH DOCUMENTS ARE N.I.C. BY ARCHITECT BUT SHALL REFERED TO FOR COORDINATION

SITE PLAN GENERAL NOTES

BUILDING MAIN ENTRY
BUILDING OUTLINE
EASEMENT LINE
PROPERTY LINE
17,256 SF SETBACK CHARACTER AREA
MINIMUM 60% LANDSCAPE AREA = **13,805 SF MIN. REQ.**
14,004 SF LANDSCAPE AREA PROVIDED

* 5.2.2 BUILDING SETBACKS

C. GROUND FLOOR OFFICE. WHERE GROUND FLOOR OFFICE SPACE IS PROVIDED, THE SETBACK CHARACTER SHOULD ENHANCE THE PUBLIC REALM THROUGH LANDSCAPING, PRIVATE OPEN SPACE AREAS, AND GRADE SEPARATION. BUILDING SETBACK AREAS ABUTTING GROUND FLOOR OFFICE USES SHALL BE A **MINIMUM 60% LANDSCAPE AREA.**
* THE FOLLOWING GROUND FLOOR PROJECTIONS AND INTRUSIONS INTO THE SETBACK AREA SHALL BE **EXCLUDED** FROM CALCULATIONS: **BUILDING ENTRIES, SEATING AREAS WITH DIRECT ACCESS TO INTERIOR SPACES,** RESIDENTIAL PORCHES/BALCONIES, **PUBLIC ART, DRIVEWAYS, BIKE PARKING**

SITE PLAN LEGEND

0000 KEYNOTE TAG
114 BUILDING OVERHANG ABOVE
136 PARKING ACCESS CONTROL,ARMS/ GATES
137 PUBLIC SEATING/ PARK, S.L.D.
139 VEHICLE DROPOFF, S.C.D.
913 PRE-FINISHED METAL PANEL, FINISH TO MATCH METAL PANEL FACADE (MTL-1). 9'-0" HIGH (ESTIMATED), FINAL HEIGHT BASED ON TRANSFORMER/ EQUIPMENT HEIGHT.
1200 BIKE RACK, S.L.D.
1209 BIKE REPAIR STATION
3225 CONCRETE RETAINING WALL AND BENCH, HIGH QUALITY ARCHITECTURAL CONCRETE. S.L.D.
3226 MONOLITHIC CONCRETE STAIR, HIGH QUALITY ARCHITECTURAL CONCRETE
3228 CONCRETE STRESS PAD. S.C.D.
3302 BFP, S.C.D.

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	2025.07.29	SMP SUBMITTAL REV- 03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE
SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

SITE PLAN

A1.01

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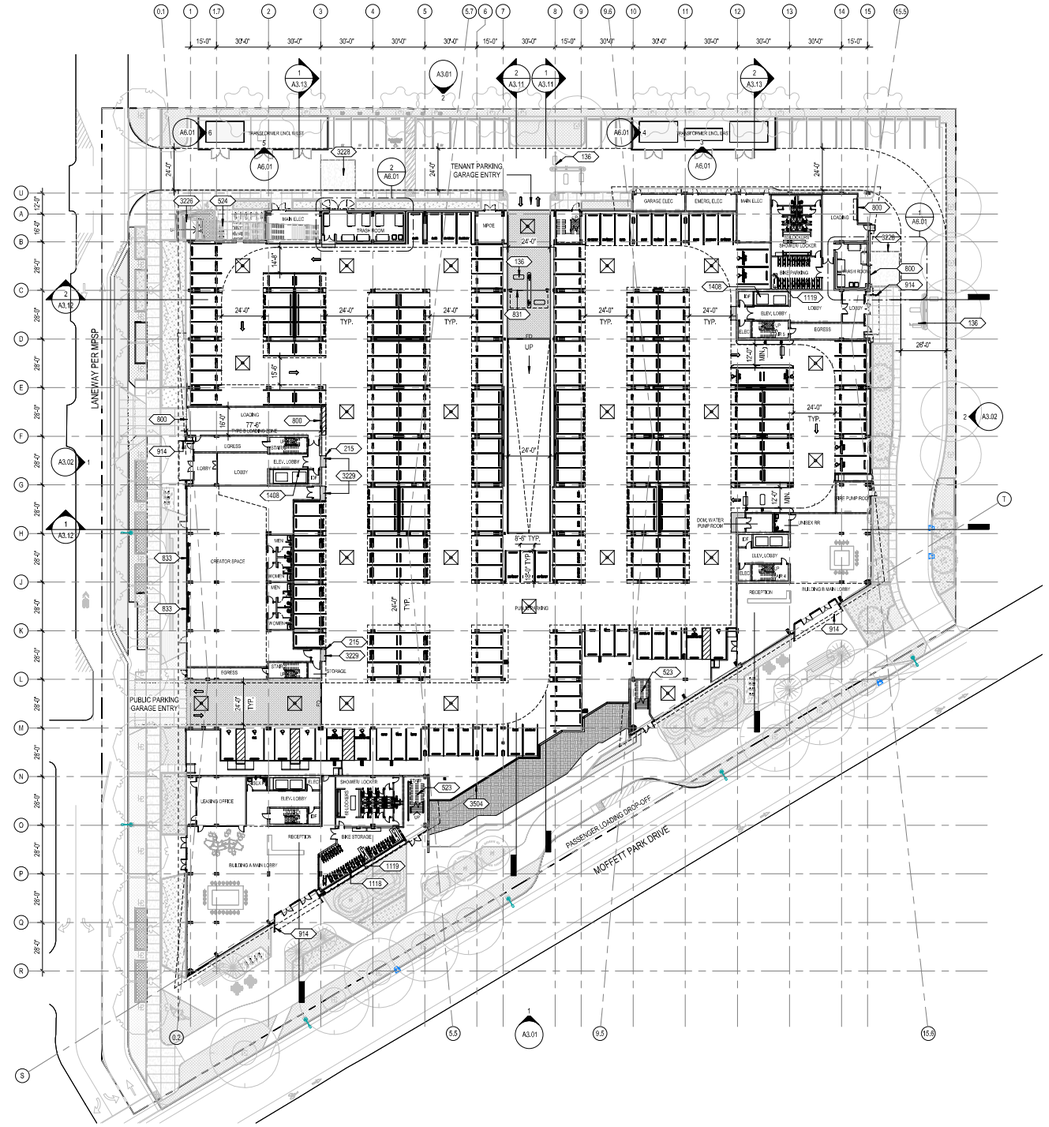

1 FLOOR PLAN - LEVEL 1/P1 — 1/32" = 1'-0"

A01A	PARTITION TAG
CW 000	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

FLOOR PLAN LEGEND

0008	KEYNOTE TAG
136	PARKING ACCESS CONTROL ARMS/ GATES
215	
523	CONCRETE FILLED STEEL STAIRS
524	STEEL STAIR WITH PRECAST CONCRETE STAIR TREADS.
800	ROLL-UP DOOR
831	OVERHEAD COILING SECURITY GRILLIE, HIGH SPEED OPERATION
833	VERTICALLY OPERATING ALUMINUM AND IGU GARAGE DOOR, FINISH TO MATCH CURTAIN WALL FINISH.
914	METAL PANEL ENTRY PORTAL, FINISH TO MATCH CURTAIN WALL MULLION FINISH
1118	DERO DECKER DOUBLE STACKING BIKE RACKS
1119	CARGO BIKE STORAGE ON U-RACK, 1 OR 2 CARGO BIKES PER RACK AS SHOWN.
1408	GURNEY SERVICE ELEVATOR, ELEVATOR ON EMERGENCY POWER
3226	MONOLITHIC CONCRETE STAIR, HIGH QUALITY ARCHITECTURAL CONCRETE
3228	CONCRETE STRESS PAD, S.C.D.
3229	DETECTABLE WARNINGS
3504	CONCRETE WALL WITH HOT RUBBERIZED ASPHALTIC WATERPROOFING, S.S.D. LANDSCAPE AND FOAM BUILDUP ON STEPPED CONCRETE STRUCTURE, S.L.D.

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	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

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FLOOR PLAN - LEVEL 1/P1

A2.01

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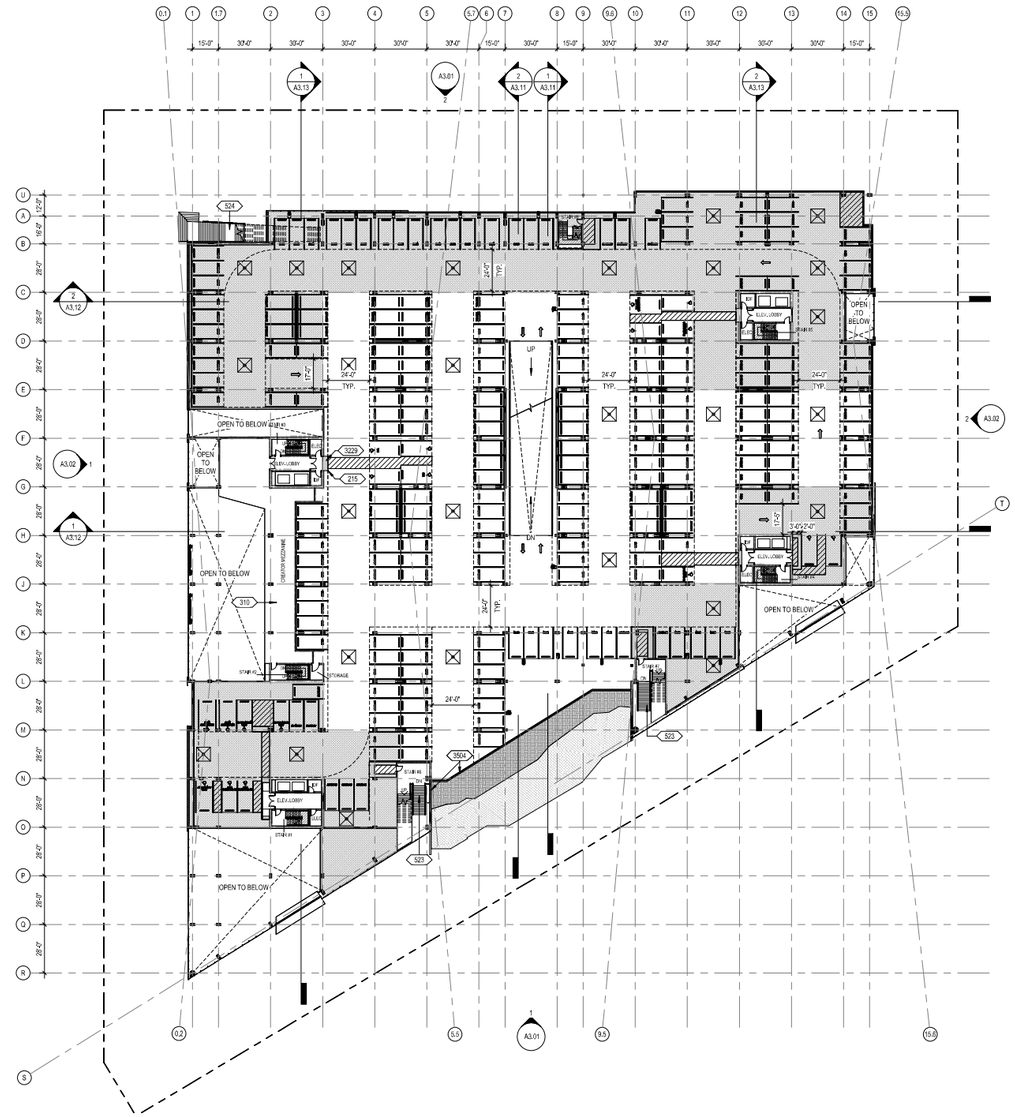

1 FLOOR PLAN - LEVEL 1/P2 — 1/32" = 1'-0"

PROJECT NORTH

AD1A	PARTITION TAG
GW 0X0	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

FLOOR PLAN LEGEND

0000 KEYNOTE TAG

215	
310	CONCRETE SLAB FOR FUTURE MEZZANINE, S.S.D. RAILING AND FLOOR FINISH BY TENANT.
523	CONCRETE FILLED STEEL STAIRS
524	STEEL STAIR WITH PRECAST CONCRETE STAIR TREADS.
3229	DETECTABLE WARNINGS
3504	CONCRETE WALL WITH HOT RUBBERIZED ASPHALTIC WATERPROOFING, S.S.D. LANDSCAPE AND FOAM BUILDUP ON STEPPED CONCRETE STRUCTURE, S.L.D.

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	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

FLOOR PLAN - LEVEL 1/P2

A2.01.2

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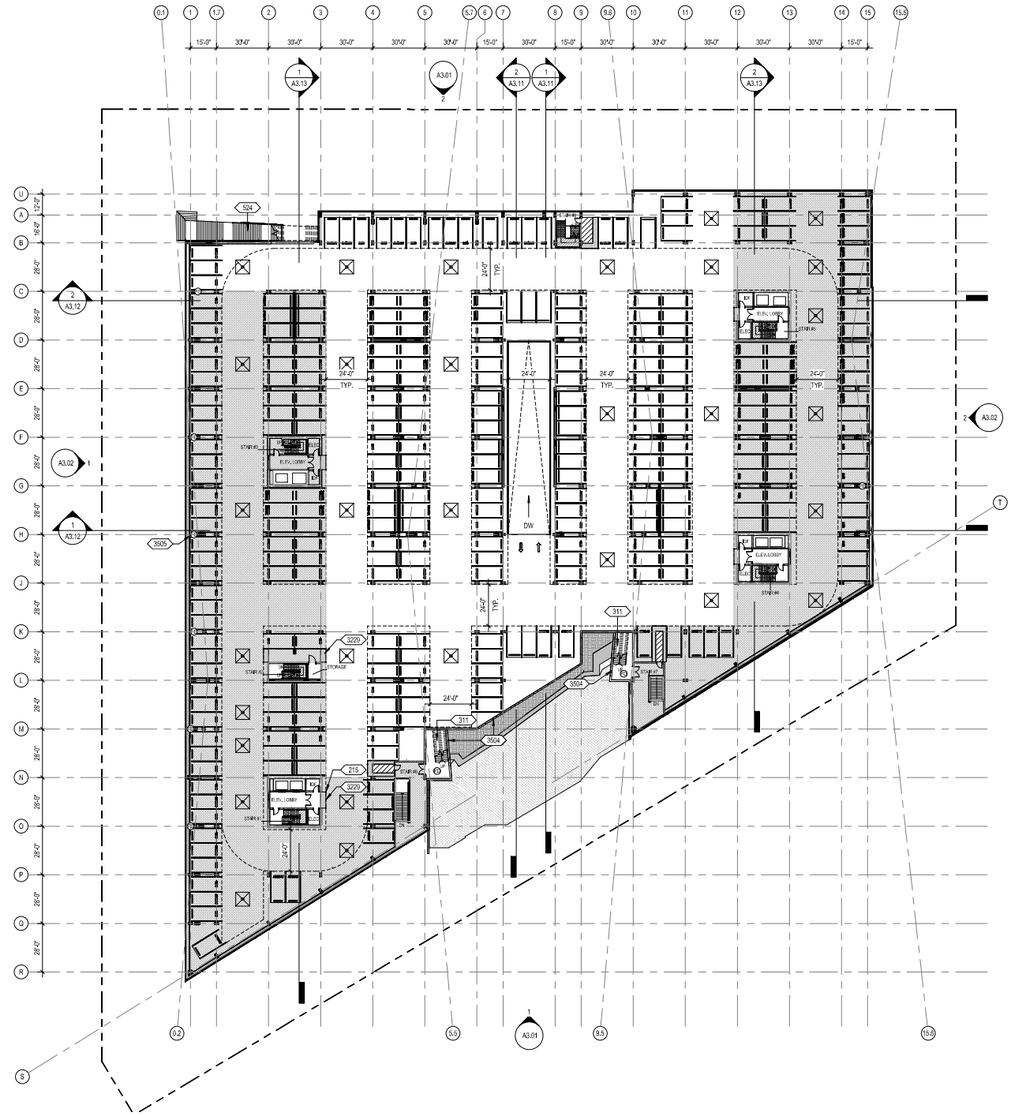

PROJECT NORTH

1 A2.01.3 FLOOR PLAN - LEVEL 1/P3 — 1/32" = 1'-0"

A01A	PARTITION TAG
CW 000	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

FLOOR PLAN LEGEND

0006 KEYNOTE TAG

215	
311	GALVANIZED STEEL STAIRS WITH PRECAST CONCRETE STAIR TREADS, S.L.D.
524	STEEL STAIR WITH PRECAST CONCRETE STAIR TREADS.
3220	DETECTABLE WARNINGS
3504	CONCRETE WALL WITH HOT RUBBERIZED ASPHALTIC WATERPROOFING, S.S.D. LANDSCAPE AND FOAM BUILDUP ON STEPPED CONCRETE STRUCTURE, S.L.D.
3505	SLOPED CONCRETE TO DRAIN, 2" DROP, S.S.D.

KEYNOTE LEGEND

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	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

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project number: 22-387
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FLOOR PLAN - LEVEL 1/P3

A2.01.3

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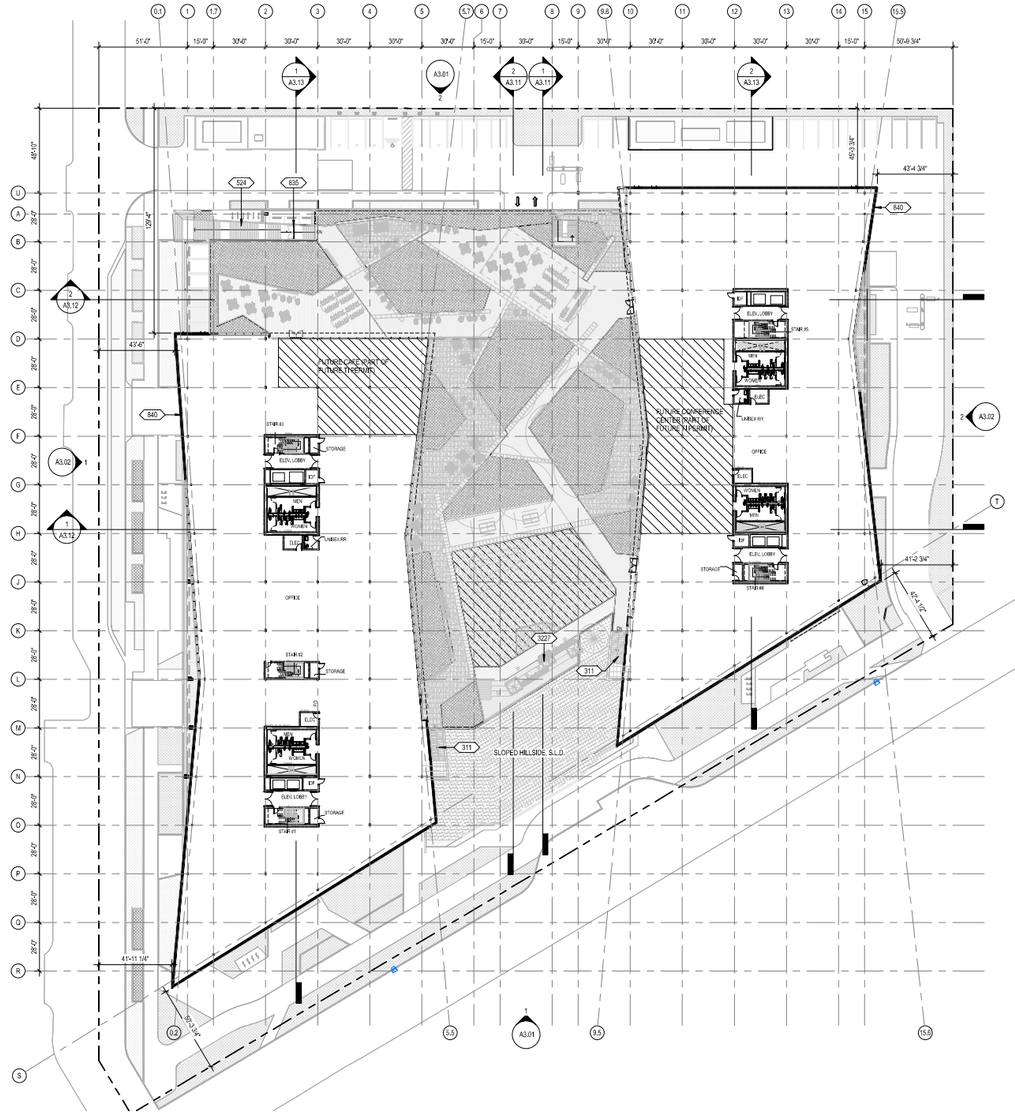

1 FLOOR PLAN - LEVEL 2 — 1/32" = 1'-0"

FLOOR PLAN LEGEND	
A01A	PARTITION TAG
CW 001	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

KEYNOTE LEGEND	
00.00	KEYNOTE TAG
311	GALVANIZED STEEL STAIRS WITH PRECAST CONCRETE STAIR TREADS, S.L.D.
524	STEEL STAIR WITH PRECAST CONCRETE STAIR TREADS.
835	8FT TALL SECURITY GATES
840	GLASS CURTAIN WALL, SEE ELEVATIONS FOR GLASS TYPE
3227	WOOD DECK AND TIERED SEATING, S.L.D.

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	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

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FLOOR PLAN - LEVEL 2

A2.02

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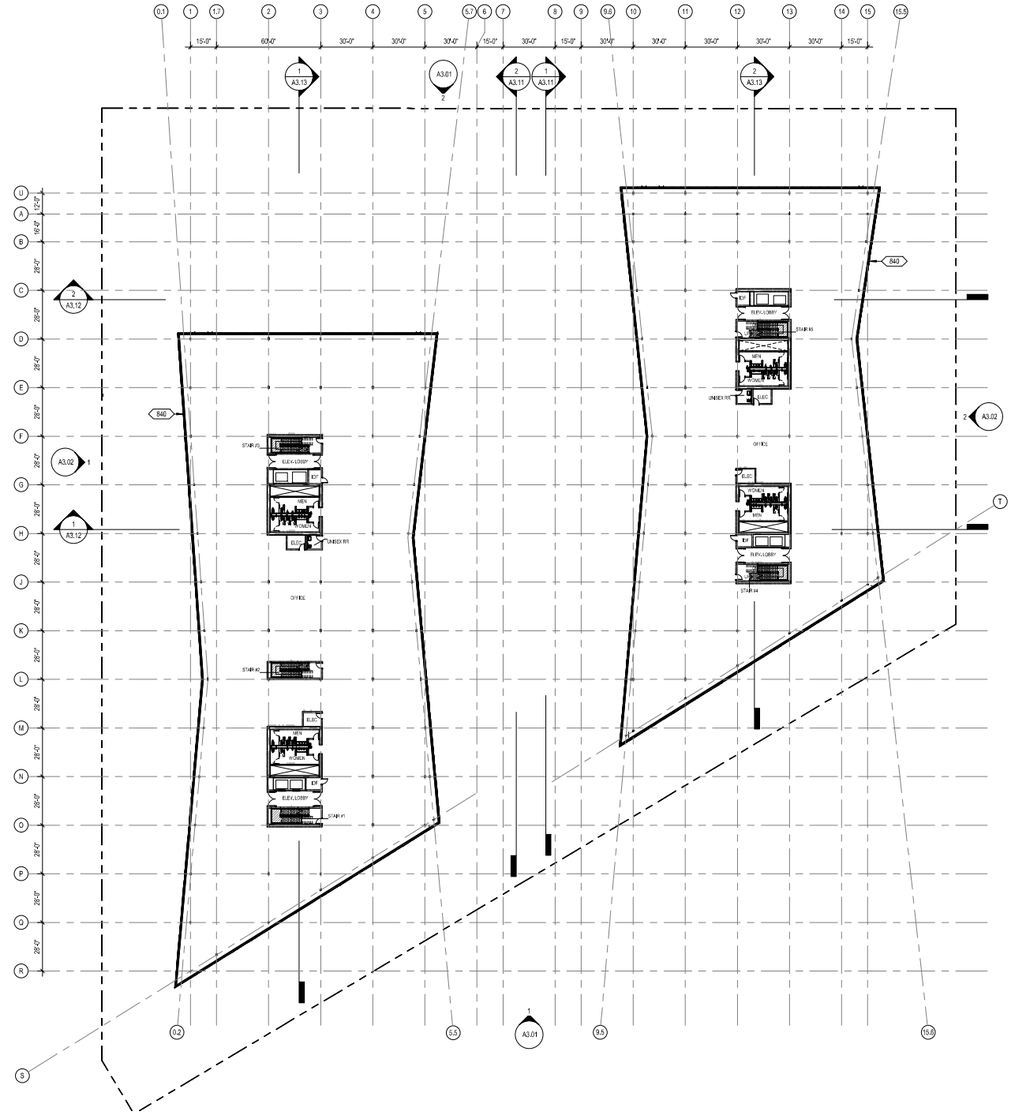

1 FLOOR PLAN - LEVEL 4 1/32" = 1'-0"

FLOOR PLAN LEGEND	
A01A	PARTITION TAG
CW 000	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

KEYNOTE LEGEND	
0000	KEYNOTE TAG
840	GLASS CURTAIN WALL, SEE ELEVATIONS FOR GLASS TYPE

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	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

FLOOR PLAN - LEVEL 3

A2.03

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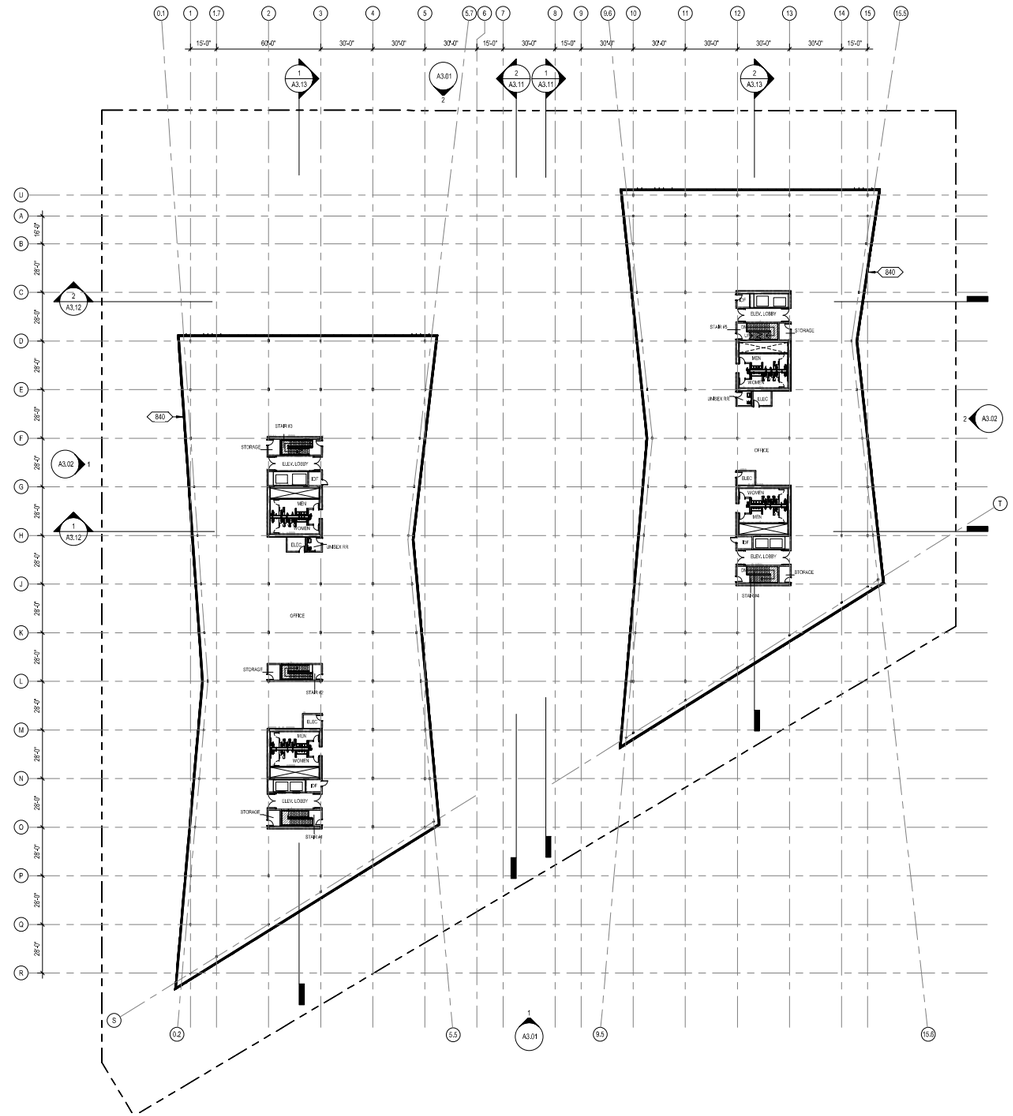

1 FLOOR PLAN - LEVEL 5 1/32" = 1'-0"

PROJECT NORTH

FLOOR PLAN LEGEND	
A01A	PARTITION TAG
CW 000	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

KEYNOTE LEGEND	
0000	KEYNOTE TAG
840	GLASS CURTAIN WALL, SEE ELEVATIONS FOR GLASS TYPE

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	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

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FLOOR PLAN - LEVEL 4

A2.04

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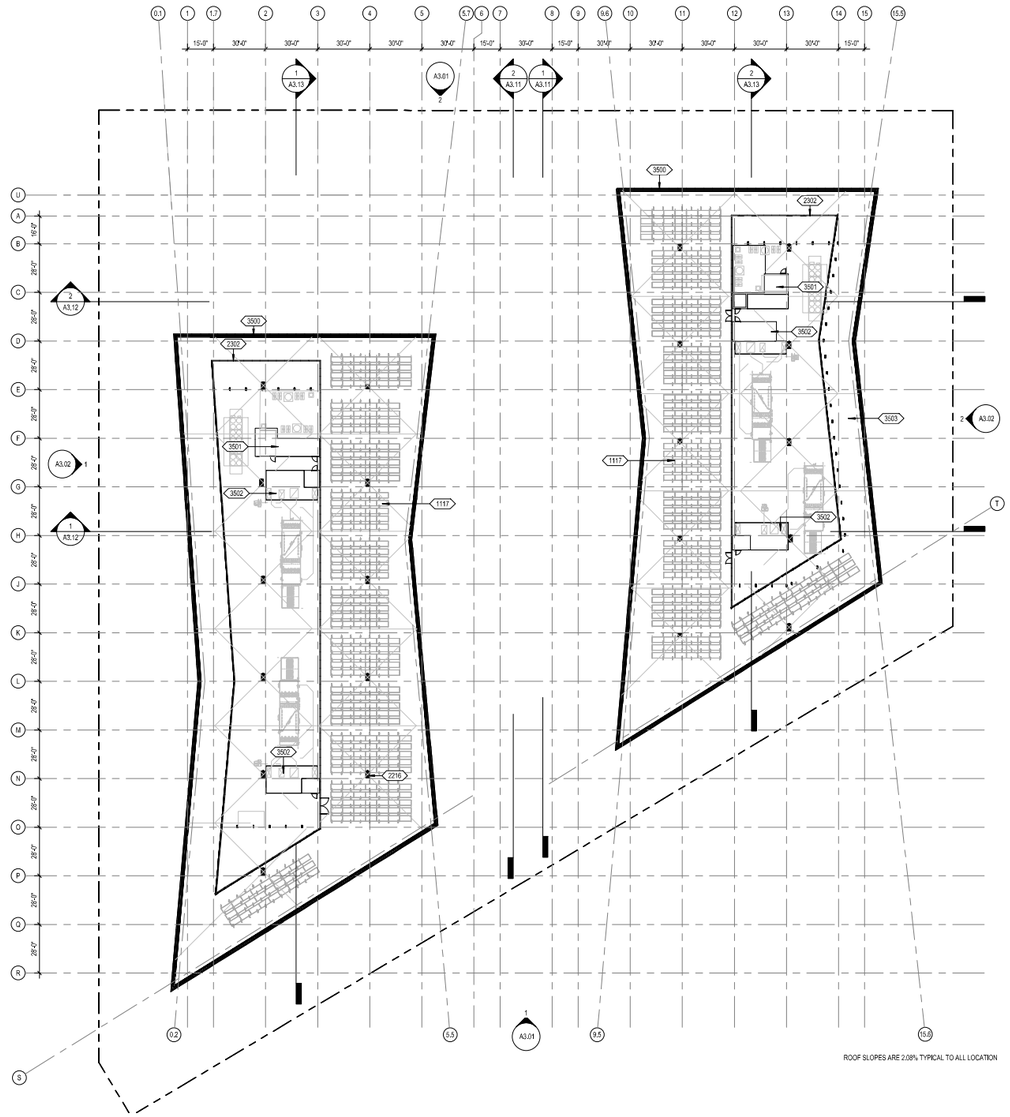

1 FLOOR PLAN - ROOF LEVEL

1/32" = 1'-0"

A01A	PARTITION TAG
CW 001	CURTAIN WALL TAG
	TRUNCATED DOMES
	CONCRETE WALL
	1 HR. FIRE RATED WALL CONSTRUCTION
	2 HR. FIRE RATED WALL CONSTRUCTION
FEC	FIRE EXTINGUISHING CABINET, SEE FEC TABLE
FD	FLOOR DRAIN
	AREA DRAIN
FD	LINEAR DRAIN
	ROOF DRAIN
	TRAFFIC COATING AREA

FIRE EXTINGUISHER CABINET TYPES

FEC-A	SURFACED MOUNTED
FEC-B	SEMI-RECESS MOUNTED
FEC-C	RECESS MOUNTED

FLOOR PLAN LEGEND

0000 KEYNOTE TAG

1117	SOLAR PANEL ARRAY, SEE ELECTRICAL. NARRATIVE FOR REQUIREMENTS. GC TO INCLUDE ALL COMPONENTS OF SOLAR ARRAY INCLUDING STRUCTURAL SUPPORTS AND ELECTRICAL EQUIPMENT INFRASTRUCTURE
2216	ROOF DRAIN & OVERFLOW, S.P.D.
2302	CORRUGATED METAL PANEL MECHANICAL SCREEN (10' TALL) ON PAINTED GALVANIZED STEEL STRUCTURE
3500	TOP OF CURTAIN WALL AND RECESSED PARAPET, SEE DETAILS ON A4.0X
3501	TOP OF STAIR, ELECTRICAL AND EQUIPMENT ROOMS: CORRUGATED METAL PANEL WALLS, PARAPET AND CAPS, SINGLE-PLY ROOFING TO TOP OF ROOMS
3502	TOP OF ELEVATOR OVERRUN AND MECHANICAL SHAFT: SINGLE PLY ROOFING AND WALLS
3503	SINGLE PLY ROOFING, WITH PMMA TO STRUCTURAL PENETRATIONS. PROVIDE 1 ROOF DRAIN AND OVERFLOW PER STRUCTURAL BAY. 2.08% MIN SLOPE TO DRAIN, TYPICAL. ROOF DRAINS ARE STANDARD B&LEVEL ROOF DRAINS.

KEYNOTE LEGEND

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	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

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FLOOR PLAN - ROOF DECK

A2.06

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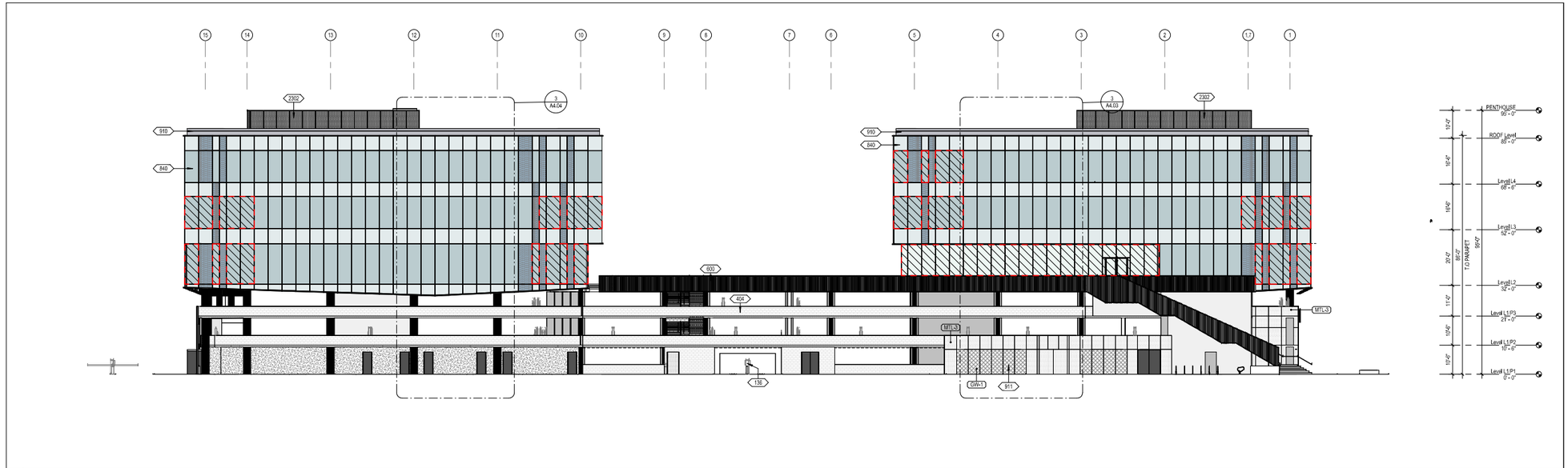
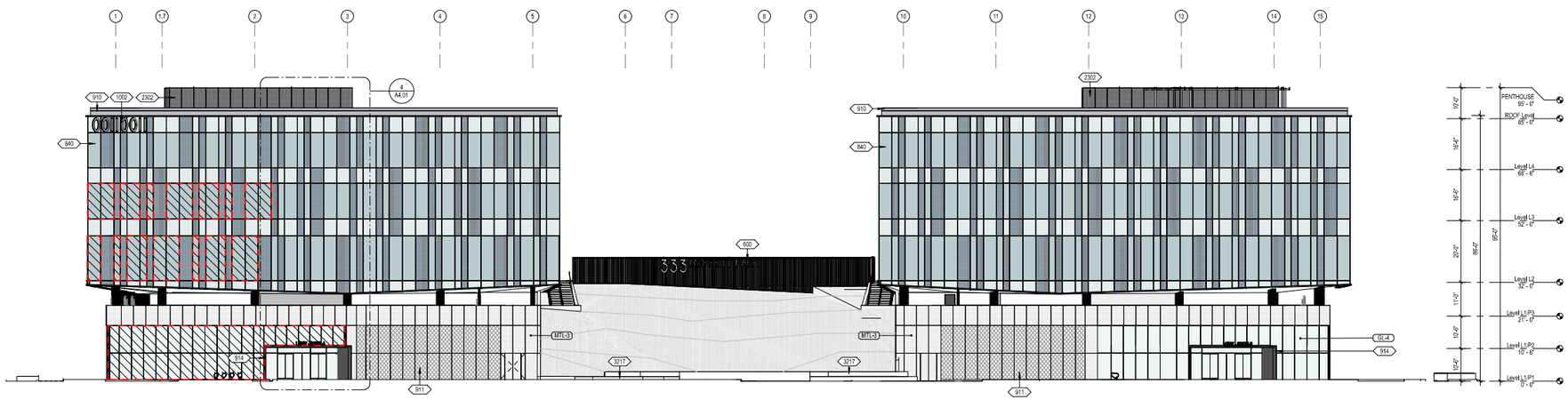
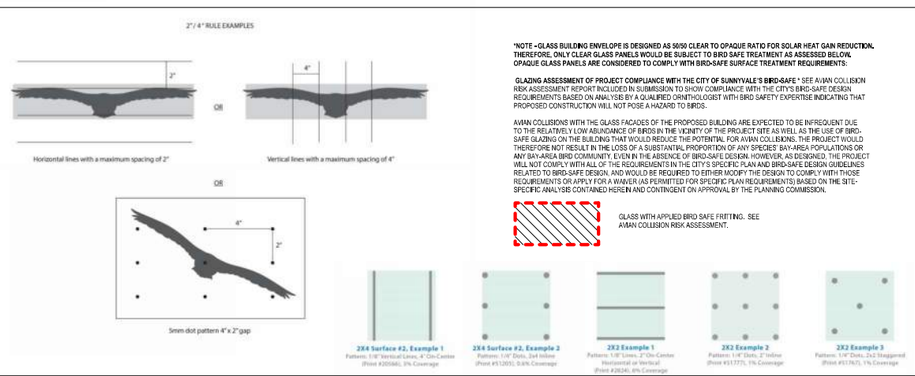


2 NORTH ELEVATION 1/16" = 1'-0"



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



BIRD SAFE GLAZING COMPLIANCE AND GLAZING PATTERN EXAMPLES

***NOTE - GLASS BUILDING ENVELOPE IS DESIGNED AS 50/50 CLEAR TO OPAQUE RATIO FOR SOLAR HEAT GAIN REDUCTION. THEREFORE, ONLY CLEAR GLASS PANELS WOULD BE SUBJECT TO BIRD SAFE TREATMENT AS ASSESSED BELOW. OPAQUE GLASS PANELS ARE CONSIDERED TO COMPLY WITH BIRD-SAFE SURFACE TREATMENT REQUIREMENTS:**

GLAZING ASSESSMENT OF PROJECT COMPLIANCE WITH THE CITY OF SUNNYVALE'S BIRD-SAFE * SEE AVIAN COLLISION RISK ASSESSMENT REPORT INCLUDED IN SUBMISSION TO SHOW COMPLIANCE WITH THE CITY'S BIRD-SAFE DESIGN REQUIREMENTS BASED ON ANALYSIS BY A QUALIFIED ORNITHOLOGIST WITH BIRD SAFETY EXPERTISE INDICATING THAT PROPOSED CONSTRUCTION WILL NOT POSE A HAZARD TO BIRDS.

AVIAN COLLISIONS WITH THE GLASS FACADES OF THE PROPOSED BUILDING ARE EXPECTED TO BE INFREQUENT DUE TO THE RELATIVELY LOW ABUNDANCE OF BIRDS IN THE VICINITY OF THE PROJECT SITE AS WELL AS THE USE OF BIRD-SAFE GLAZING ON THE BUILDING THAT WOULD REDUCE THE POTENTIAL FOR AVIAN COLLISIONS. THE PROJECT WOULD THEREFORE NOT RESULT IN THE LOSS OF A SUBSTANTIAL PROPORTION OF ANY SPECIES' BAY-AREA POPULATIONS OR ANY BAY-AREA BIRD COMMUNITY. EVEN IN THE ABSENCE OF BIRD-SAFE DESIGN, HOWEVER, AS DESIGNED, THE PROJECT WILL NOT COMPLY WITH ALL OF THE REQUIREMENTS IN THE CITY'S SPECIFIC PLAN AND BIRD-SAFE DESIGN GUIDELINES RELATED TO BIRD-SAFE DESIGN, AND WOULD BE REQUIRED TO EITHER MODIFY THE DESIGN TO COMPLY WITH THOSE REQUIREMENTS OR APPLY FOR A WAIVER (AS PERMITTED FOR SPECIFIC PLAN REQUIREMENTS) BASED ON THE SITE-SPECIFIC ANALYSIS CONTAINED HEREIN AND CONTINGENT ON APPROVAL BY THE PLANNING COMMISSION.

GLASS WITH APPLIED BIRD SAFE FRITTING. SEE AVIAN COLLISION RISK ASSESSMENT.

MATERIAL TAG

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM, PTD.
MTL-2	CORRUGATED METAL PANEL, PTD.
MTL-3	ALUMINUM MESH, PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

MATERIAL LEGEND

KEYNOTE TAG

136	PARKING ACCESS CONTROL ARMS/ GATES
404	CMU CRASH WALL, PAINTED BLACK
600	WOOD SLAT RAILING O/METAL FRAME GUARDRAIL.
840	GLASS CURTAIN WALL, SEE ELEVATIONS FOR GLASS TYPE
910	FRAMED PARAPET WALL WITH METAL PANEL, FINISH TO MATCH MULLION PAINT
911	CABLE NET PLANTING WALL
914	METAL PANEL ENTRY PORTAL, FINISH TO MATCH CURTAIN WALL MULLION FINISH
1002	TENANT SIGNAGE
2302	CORRUGATED METAL PANEL MECHANICAL SCREEN (10' TALL) ON PAINTED GALVANIZED STEEL STRUCTURE
3217	CONCRETE BENCH, S.L.D.

KEYNOTE LEGEND

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	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
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NORTH / SOUTH ELEVATION

A3.01

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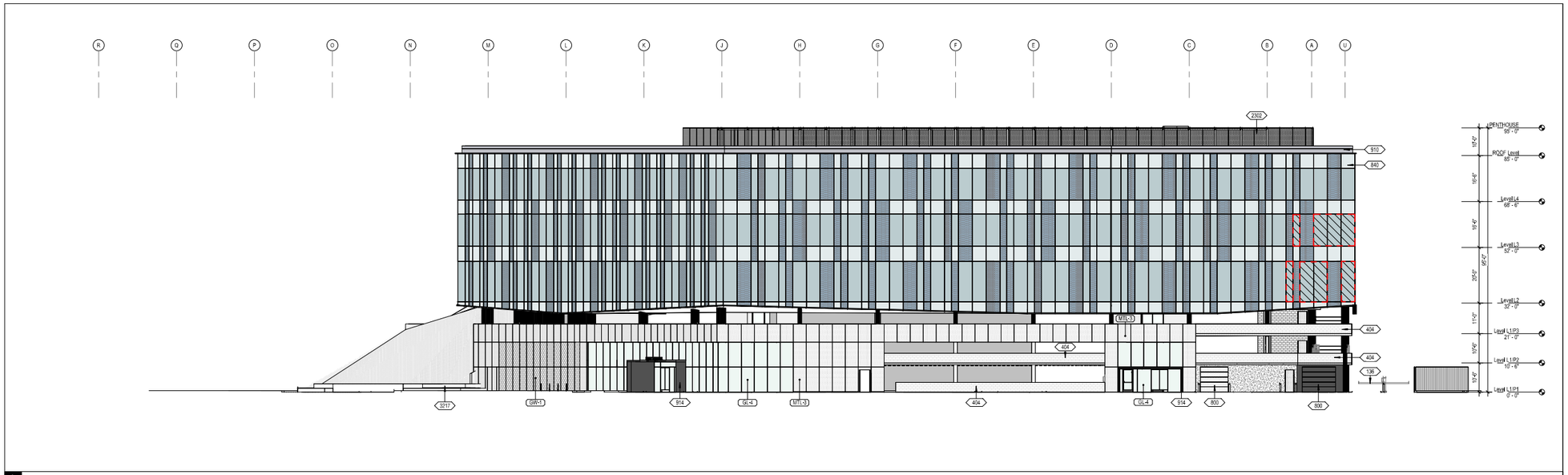
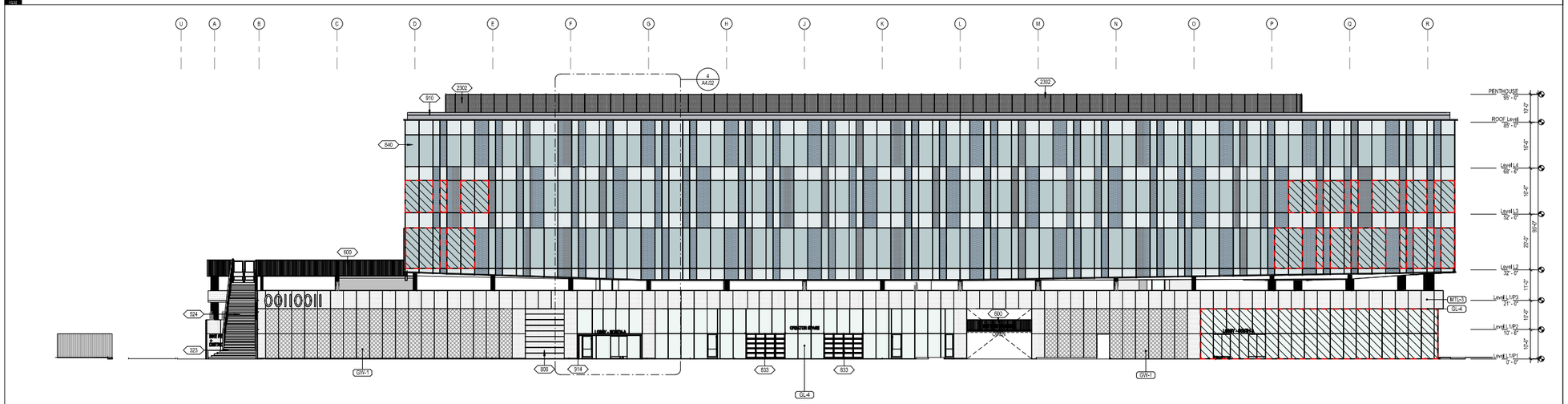
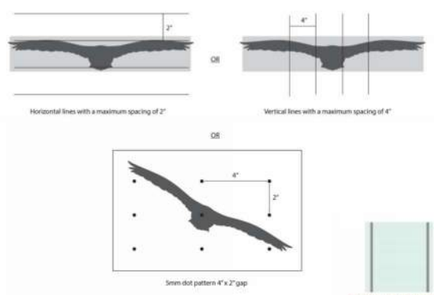


2 EAST ELEVATION 1/16" = 1'-0"



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



"NOTE - GLASS BUILDING ENVELOPE IS DESIGNED AS 50/50 CLEAR TO OPAQUE RATIO FOR SOLAR HEAT GAIN REDUCTION. THEREFORE, ONLY CLEAR GLASS PANELS WOULD BE SUBJECT TO BIRD SAFE TREATMENT AS ASSESSED BELOW, OPAQUE GLASS PANELS ARE CONSIDERED TO COMPLY WITH BIRD-SAFE SURFACE TREATMENT REQUIREMENTS:

GLAZING ASSESSMENT OF PROJECT COMPLIANCE WITH THE CITY OF SUNNYVALE'S BIRD-SAFE " SEE AVIAN COLLISION RISK ASSESSMENT REPORT INCLUDED IN SUBMISSION TO SHOW COMPLIANCE WITH THE CITY'S BIRD-SAFE DESIGN REQUIREMENTS BASED ON ANALYSIS BY A QUALIFIED ORNITHOLOGIST WITH BIRD SAFETY EXPERTISE INDICATING THAT PROPOSED CONSTRUCTION WILL NOT POSE A HAZARD TO BIRDS.

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GLASS WITH APPLIED BIRD SAFE FRITTING. SEE AVIAN COLLISION RISK ASSESSMENT.

BIRD SAFE GLAZING COMPLIANCE AND GLAZING PATTERN EXAMPLES

7 MATERIAL TAG

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM, PTD.
MTL-2	CORRUGATED METAL PANEL, PTD.
MTL-3	ALUMINUM MESH, PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

MATERIAL LEGEND

0000 KEYNOTE TAG

136	PARKING ACCESS CONTROL ARMS/ GATES
323	PRECAST CONCRETE STAIR
404	CMU CRASH WALL, PAINTED BLACK
524	STEEL STAIR WITH PRECAST CONCRETE STAIR TREADS.
600	WOOD SLAT RAILING O/METAL FRAME GUARDRAIL.
800	ROLL-UP DOOR
833	VERTICALLY OPERATING ALUMINUM AND IGU GARAGE DOOR, FINISH TO MATCH CURTAIN WALL FINISH.
840	GLASS CURTAIN WALL, SEE ELEVATIONS FOR GLASS TYPE
910	FRAMED PARAPET WALL WITH METAL PANEL, FINISH TO MATCH MULLION PAINT
914	METAL PANEL ENTRY PORTAL, FINISH TO MATCH CURTAIN WALL MULLION FINISH
2302	CORRUGATED METAL PANEL MECHANICAL SCREEN (10' TALL) ON PAINTED GALVANIZED STEEL STRUCTURE
3217	CONCRETE BENCH, S.L.D.

KEYNOTE LEGEND

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	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

EAST / WEST ELEVATION

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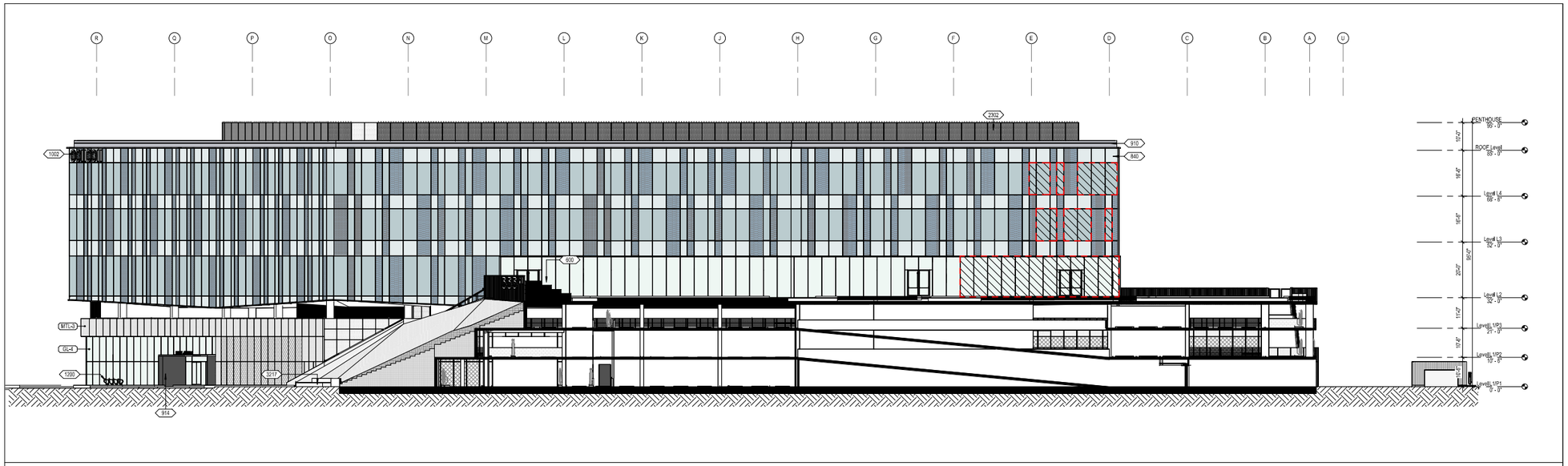
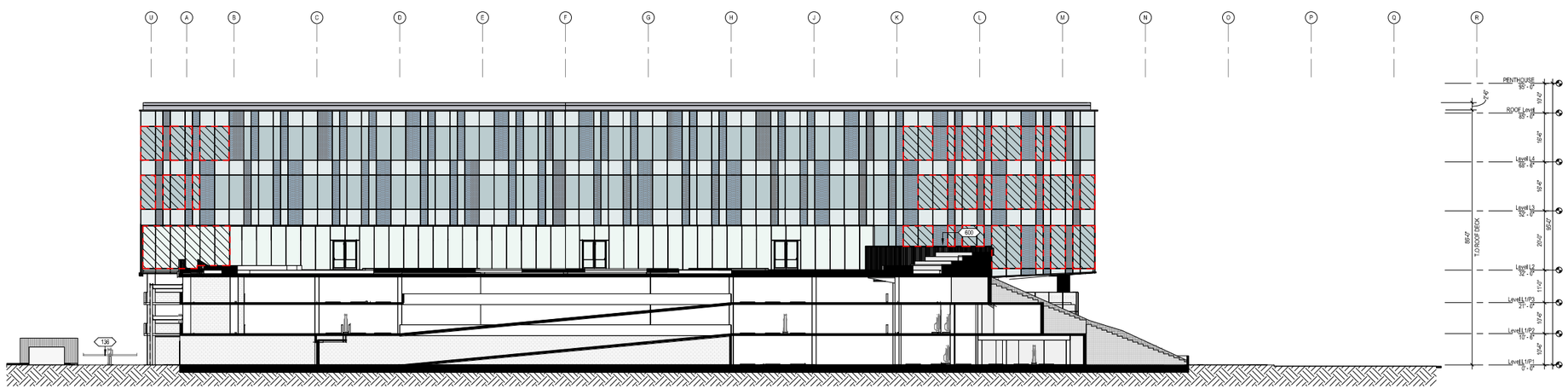


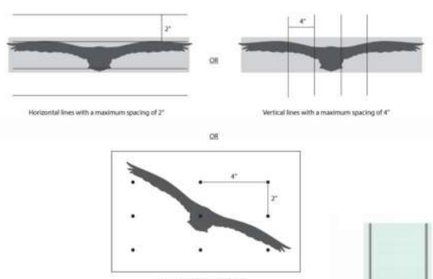
1 BUILDING SECTION THROUGH PLAZA

1/16" = 1'-0"



BIRD SAFE GLAZING COMPLIANCE AND GLAZING PATTERN EXAMPLES

2" / 4" RULE EXAMPLES



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GLASS WITH APPLIED BIRD SAFE FRITTING. SEE AVIAN COLLISION RISK ASSESSMENT.

MATERIAL LEGEND

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS (WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM. PTD.
MTL-2	CORRUGATED METAL PANEL. PTD.
MTL-3	ALUMINUM MESH. PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

KEYNOTE LEGEND

136	PARKING ACCESS CONTROL ARMS/ GATES
600	WOOD SLAT RAILING ON METAL FRAME GUARDRAIL.
840	GLASS CURTAIN WALL. SEE ELEVATIONS FOR GLASS TYPE
910	FRAMED PARAPET WALL WITH METAL PANEL. FINISH TO MATCH MULLION PAINT
914	METAL PANEL ENTRY PORTAL. FINISH TO MATCH CURTAIN WALL MULLION FINISH
1002	TENANT SIGNAGE
1200	BIKE RACK. S.L.D.
2302	CORRUGATED METAL PANEL MECHANICAL SCREEN (10' TALL) ON PAINTED GALVANIZED STEEL STRUCTURE
3217	CONCRETE BENCH. S.L.D.

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	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV - 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

BUILDING SECTIONS

A3.11

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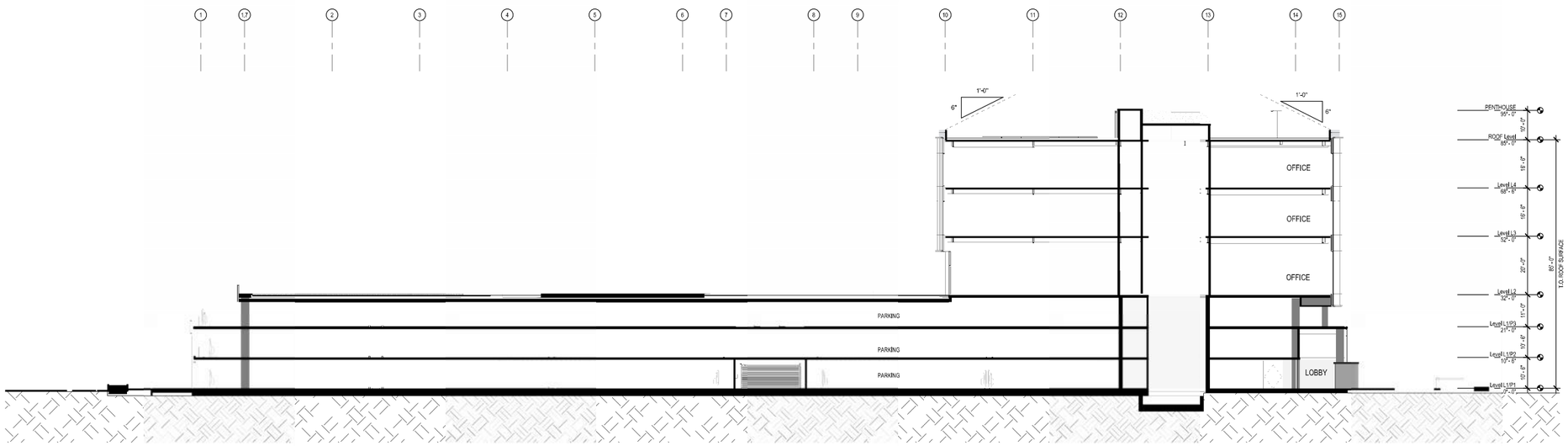

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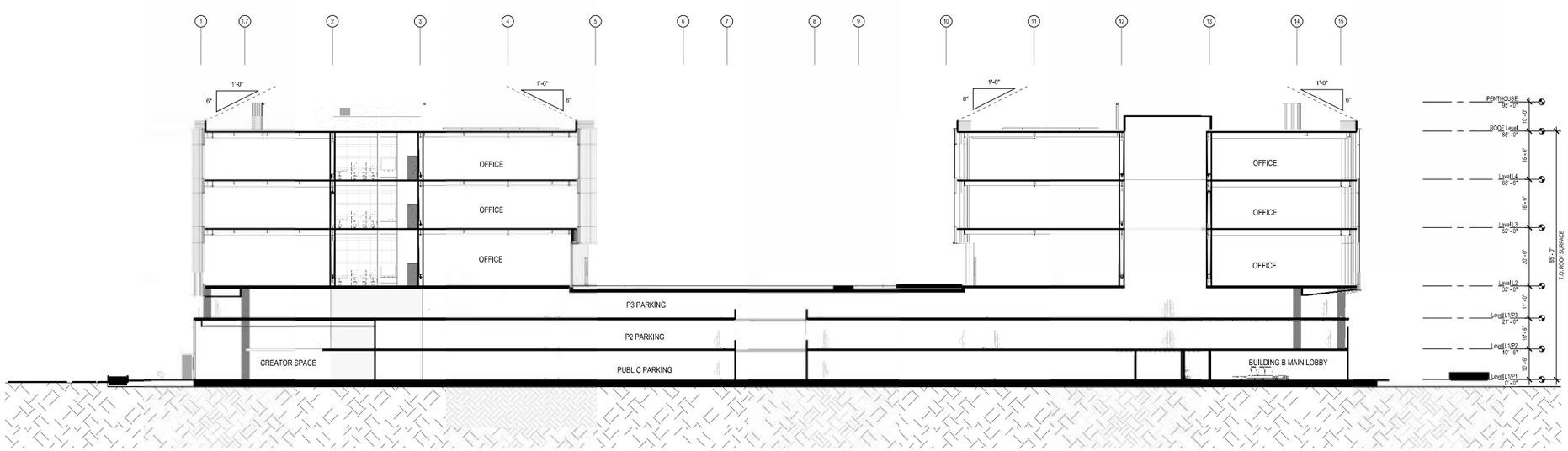

1 BUILDING SECTION W-E BETWEEN GRIDS H & I — 1/16" = 1'-0"

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	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

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BUILDING SECTIONS

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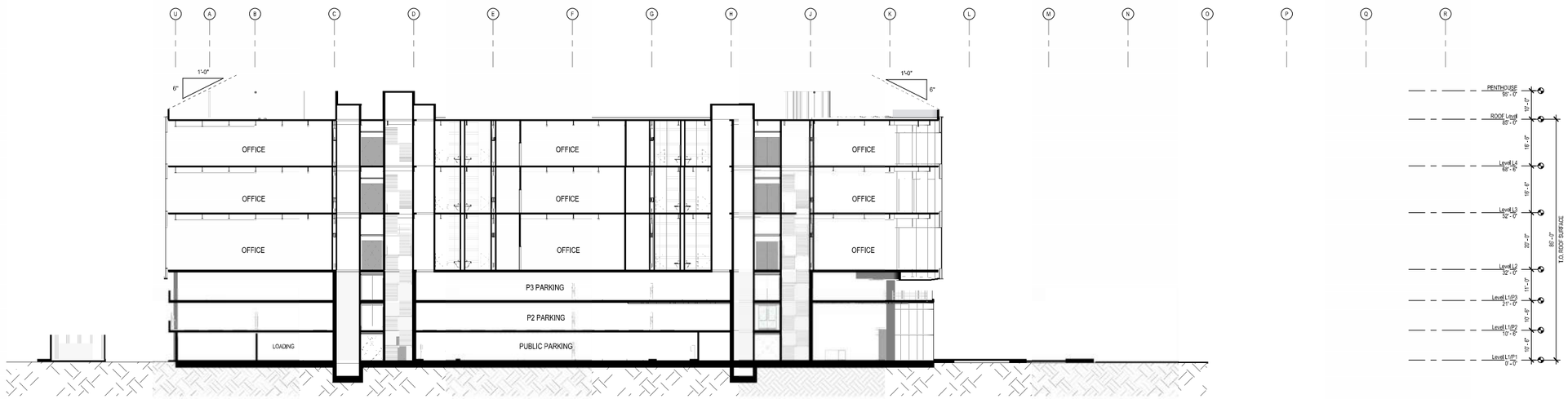

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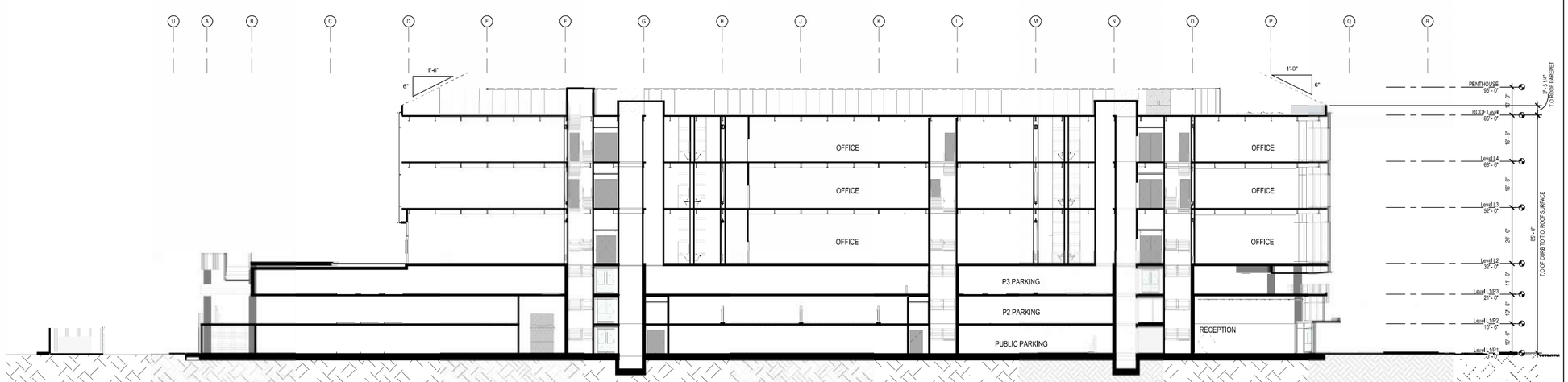

1 BUILDING SECTION N-S BETWEEN GRIDS 2 & 3 — 1/16" = 1'-0"

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	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

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BUILDING SECTIONS

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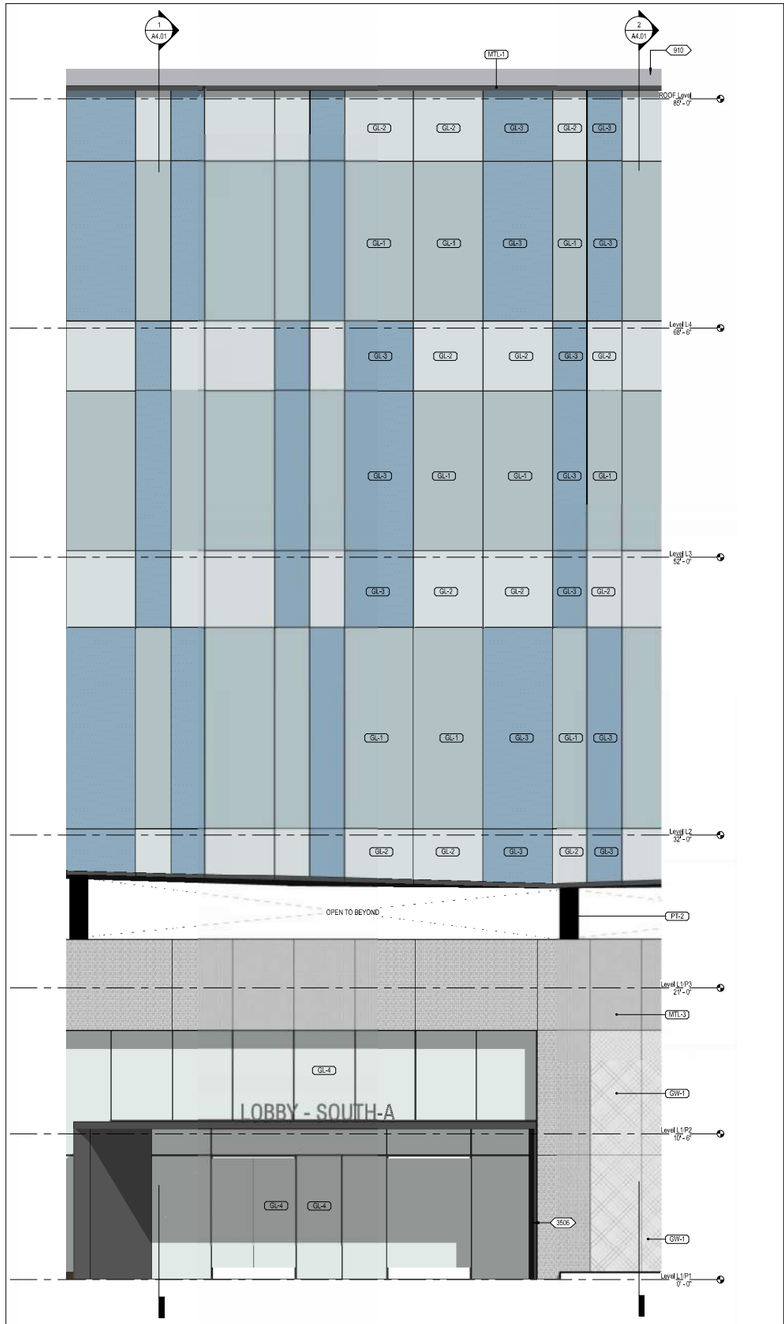
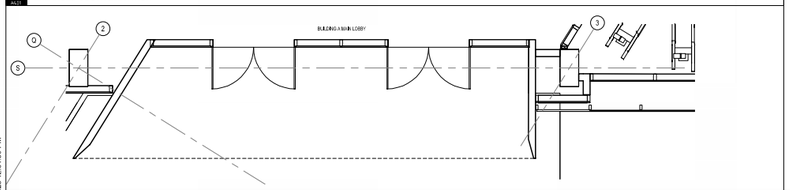
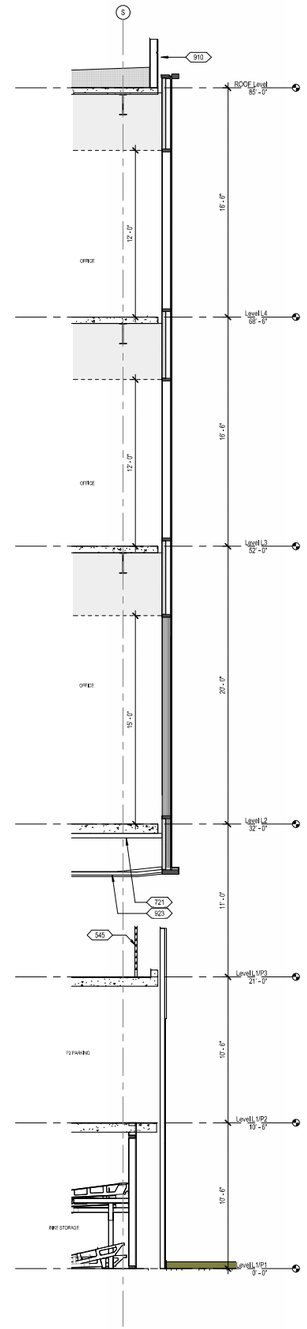


4 ENLARGED SOUTH ELEVATION 1/4" = 1'-0"



3 ENLARGED PLAN - BLDG A SOUTH WALL 1/4" = 1'-0"



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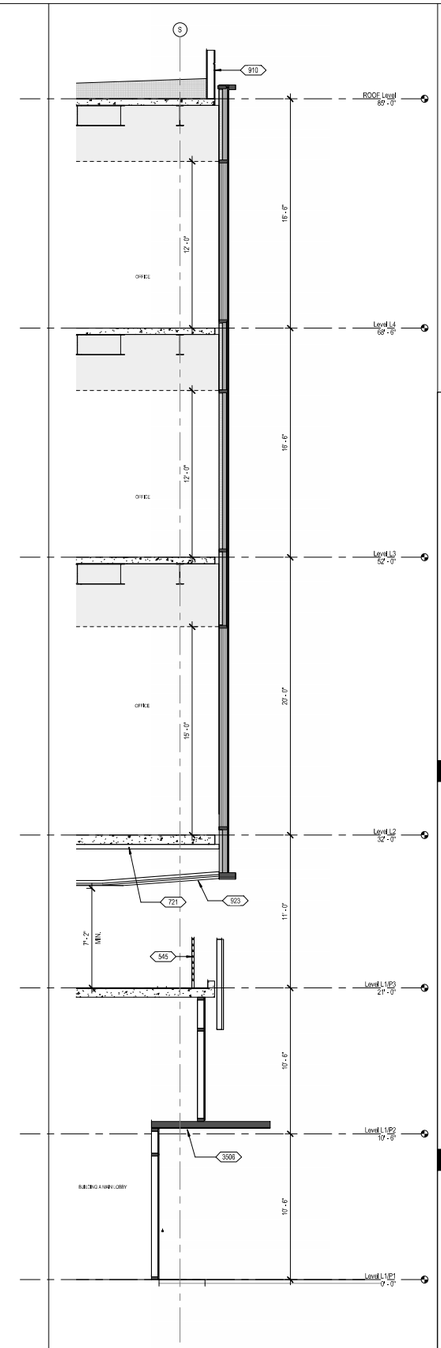


1 WALL SECTION - BLDG. A SOUTH WALL 1/4" = 1'-0"

XXXX KEYNOTE TAG

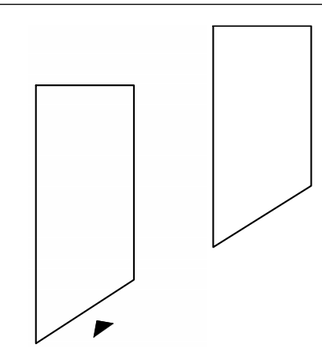
545	CRASH RATED CABLE RAIL
721	RIGID INSULATION
910	FRAMED PARAPET WALL WITH METAL PANEL FINISH TO MATCH MULLION PAINT
923	WOOD TONE METAL PLANK SOFFIT
3506	METAL PANEL ENTRY CANOPY AND SIDES ON STRUCTURAL STEEL FRAME. FINISH TO MATCH CURTAIN WALL FINISH. WET JOINED METAL PANEL

KEYNOTE LEGEND 1/4" = 1'-0"

? MATERIAL TAG

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM, PTD.
MTL-2	CORRUGATED METAL PANEL, PTD.
MTL-3	ALUMINUM MESH, PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

MATERIAL LEGEND



KEYPLAN 1/4" = 1'-0"

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	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
	2023.10.12	SITE MASTER PLAN SUBMITTAL

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project number: 22-387
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ENLARGED ELEVATION, SECTIONS & PLANS

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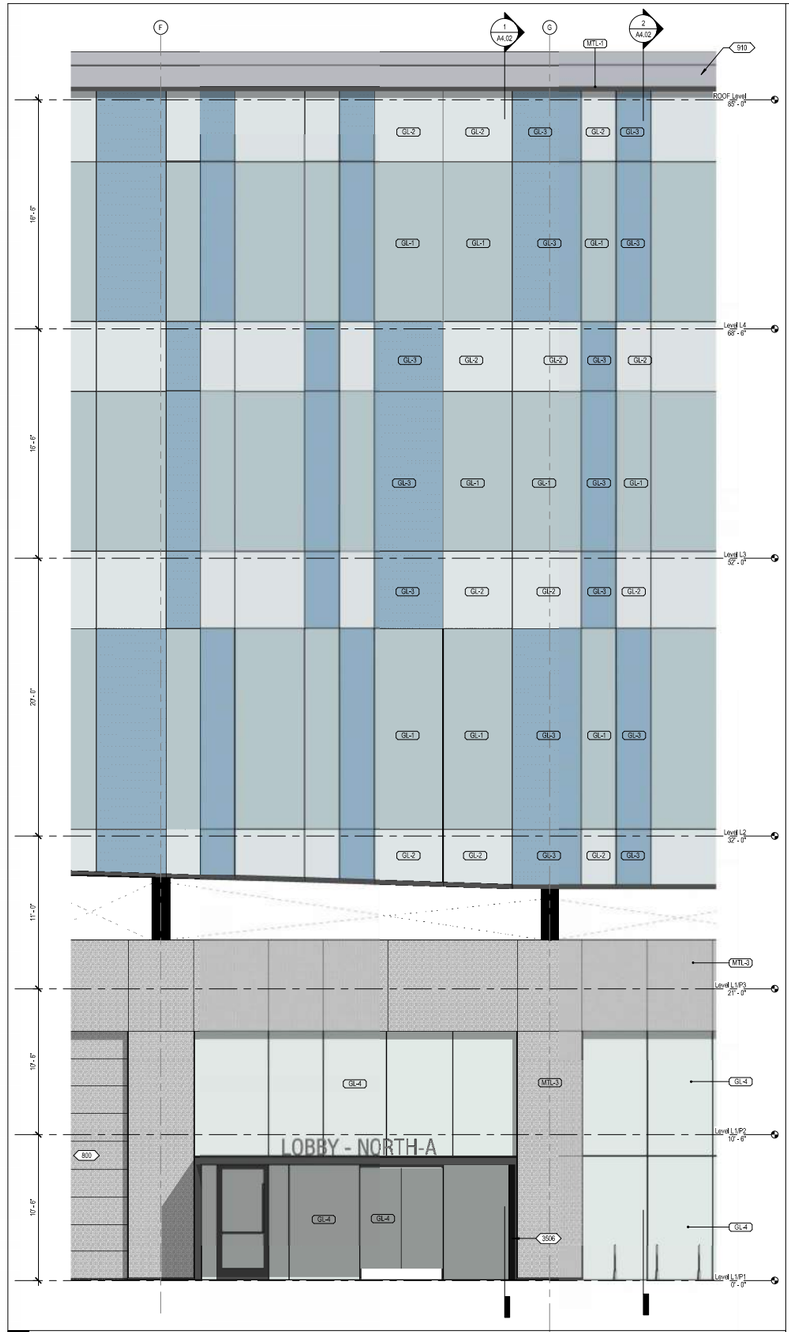

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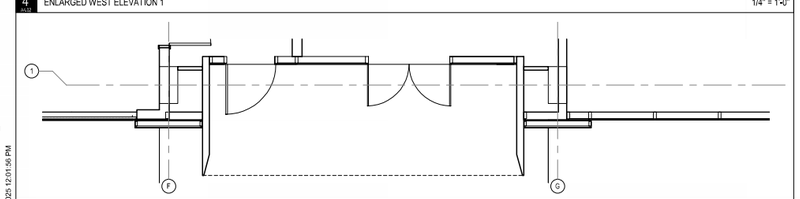
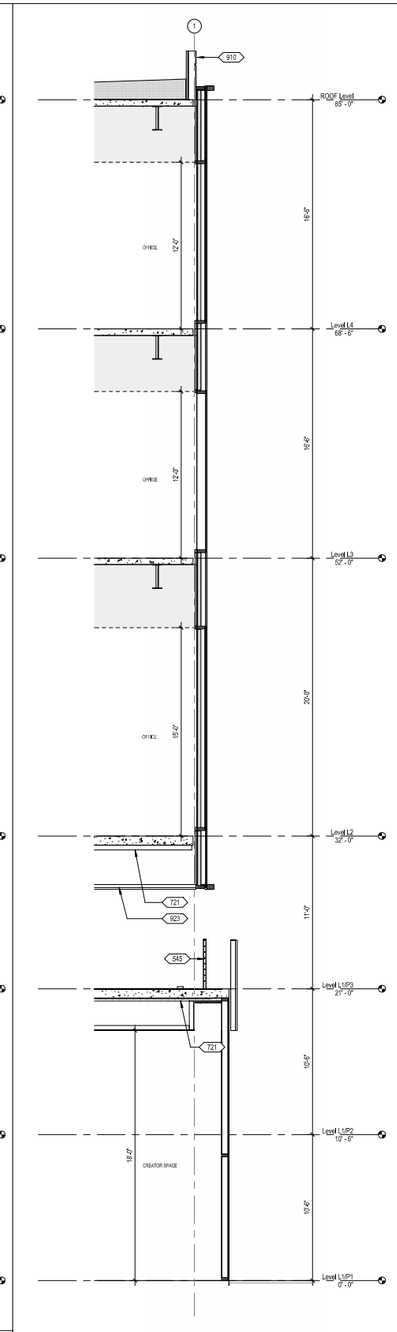


3 ENLARGED PLAN - BLDG A WEST WALL — 1/4" = 1'-0"



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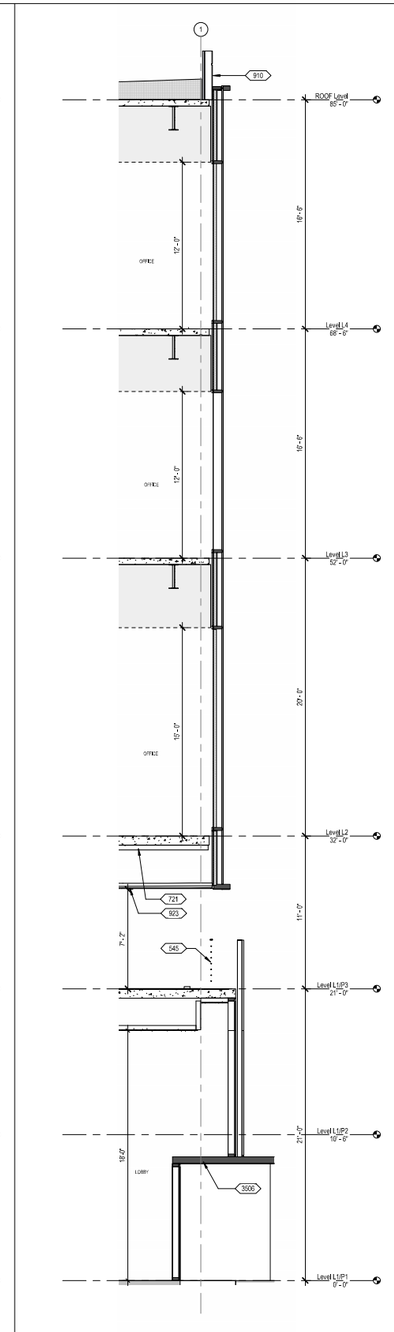


1 WALL SECTION - BLDG.A WEST WALL — 1/4" = 1'-0"

3000 KEYNOTE TAG

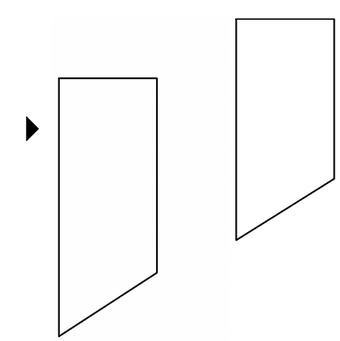
545	CRASH RATED CABLE RAIL
721	RIGID INSULATION
800	ROLL-UP DOOR
910	FRAMED PARAPET WALL WITH METAL PANEL, FINISH TO MATCH MULLION PAINT
922	CEILING, N.I.C.
923	WOOD TONE METAL PLANK SOFFIT
3506	METAL PANEL ENTRY CANOPY AND SIDES ON STRUCTURAL STEEL FRAME, FINISH TO MATCH CURTAIN WALL FINISH. WET JOINED METAL PANEL

KEYNOTE LEGEND — 1/4" = 1'-0"

7 MATERIAL TAG

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM, PTD.
MTL-2	CORRUGATED METAL PANEL, PTD.
MTL-3	ALUMINUM MESH, PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

MATERIAL LEGEND



KEYPLAN — 1/4" = 1'-0"

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	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
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ENLARGED ELEVATION, SECTIONS & PLANS

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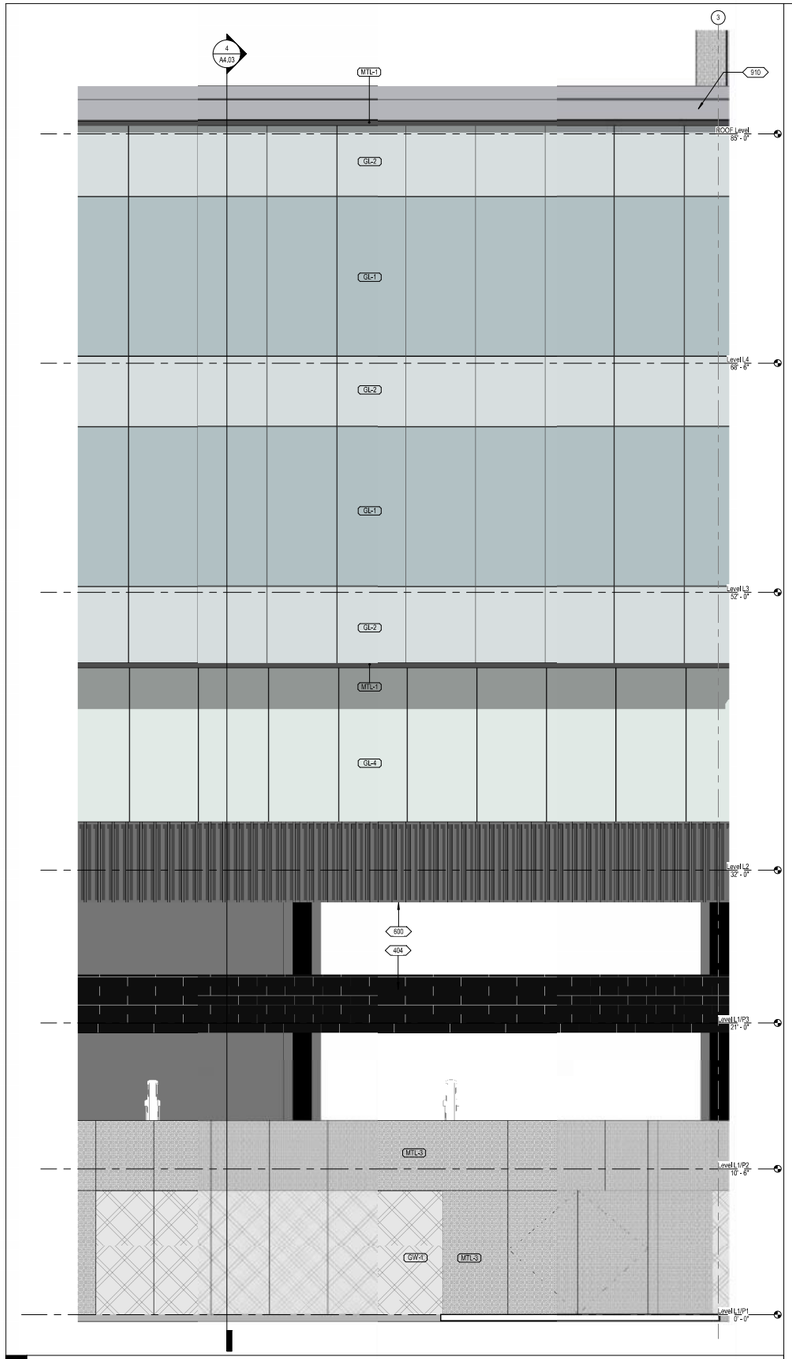

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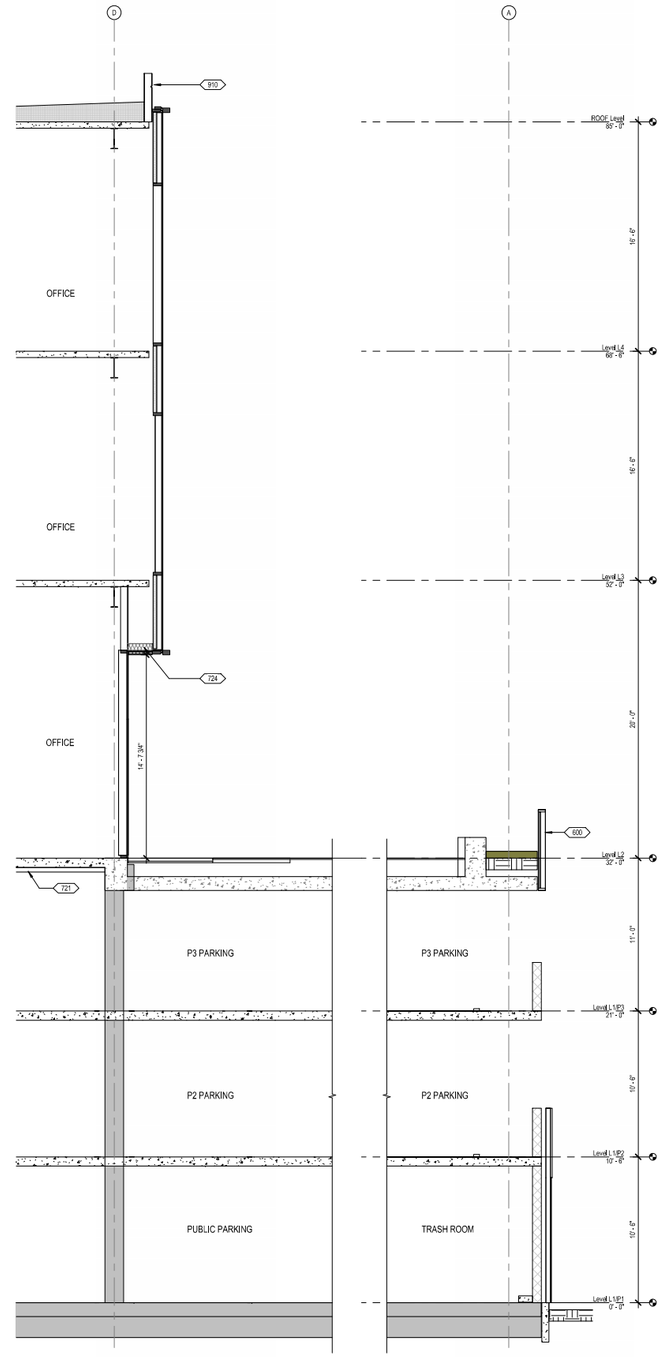
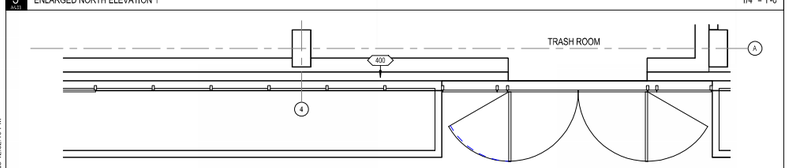




2 ENLARGED PLAN - BLDG A NORTH WALL — 1/4" = 1'-0"

910 KEYNOTE TAG

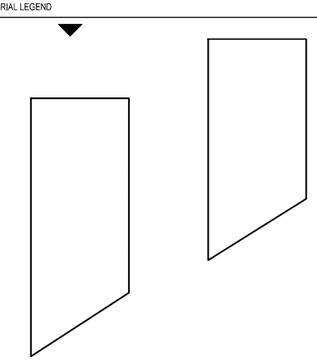
400	CONCRETE MASONRY UNIT (CMU), S.S.D.
404	CMU CRASH WALL, PAINTED BLACK
600	WOOD SLAT RAILING O/METAL FRAME GUARDRAIL.
721	RIGID INSULATION
724	BATT INSULATION
910	FRAMED PARAPET WALL WITH METAL PANEL, FINISH TO MATCH MULLION PAINT

KEYNOTE LEGEND — 1/4" = 1'-0"

7 MATERIAL TAG

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM PTD.
MTL-2	CORRUGATED METAL PANEL, PTD.
MTL-3	ALUMINUM MESH, PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

MATERIAL LEGEND



KEYPLAN — 1/4" = 1'-0"

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	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

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project number: 22-387
date: 2025.01.15

ENLARGED ELEVATION, SECTIONS & PLANS

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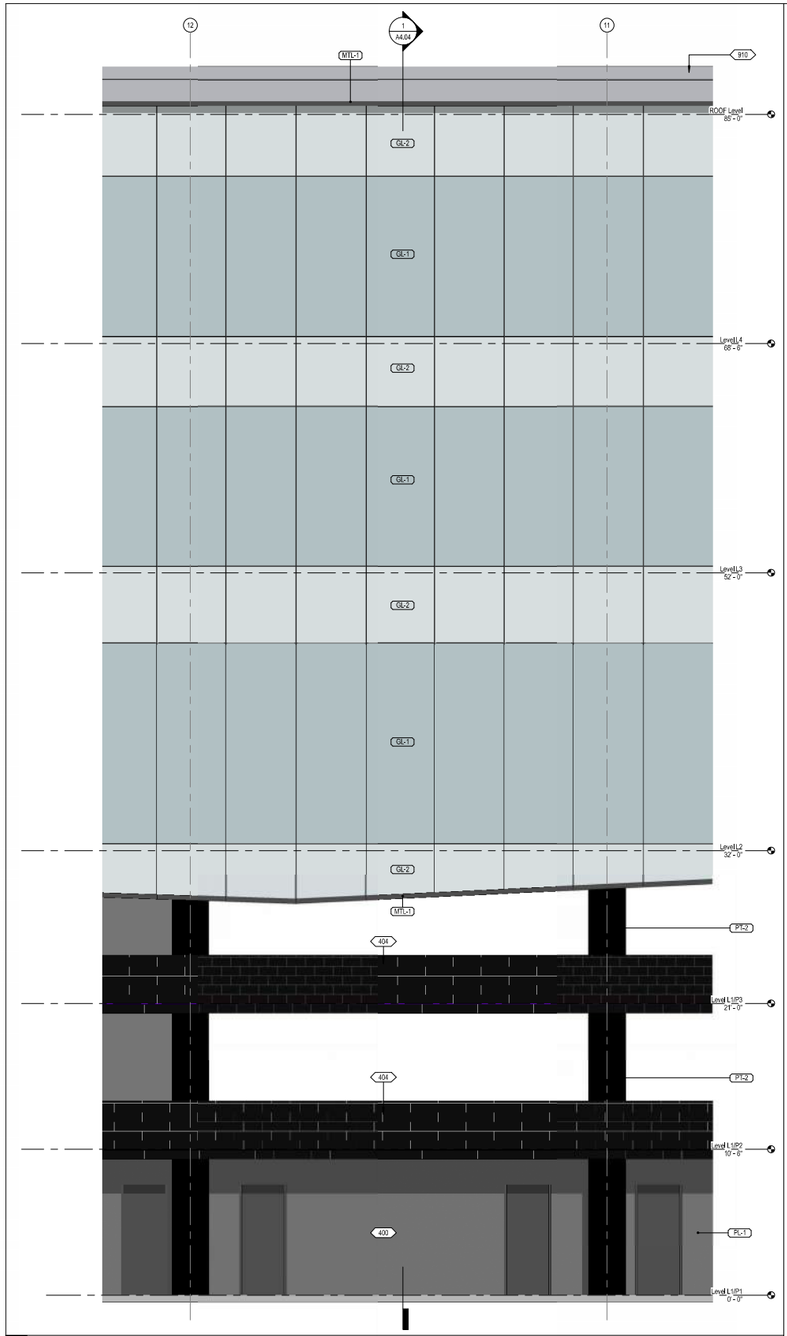
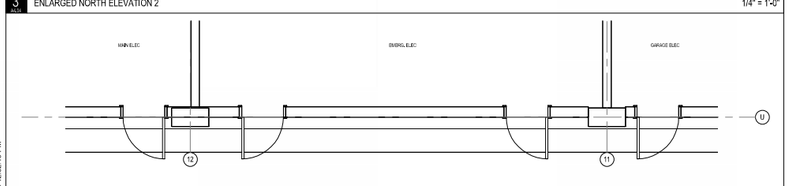
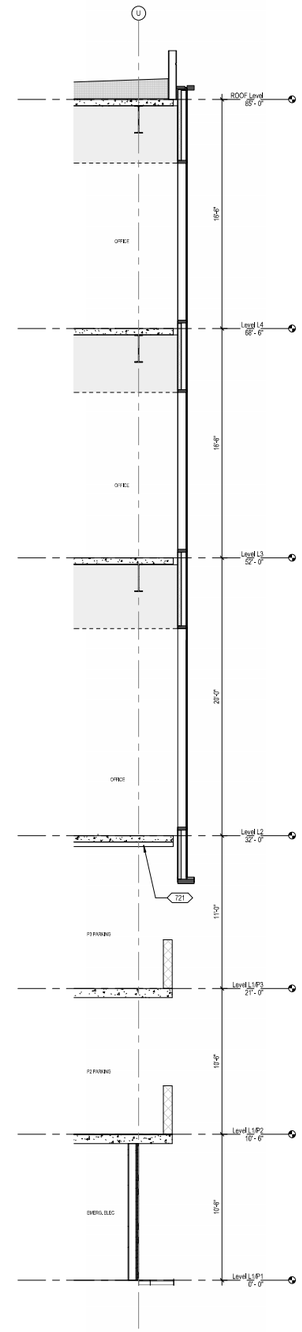


3 ENLARGED NORTH ELEVATION 2 1/4" = 1'-0"



2 ENLARGED PLAN - BLDG B NORTH WALL 1/4" = 1'-0"



1 WALL SECTION - BLDG. B NORTH WALL 1/4" = 1'-0"

KEYNOTE TAG

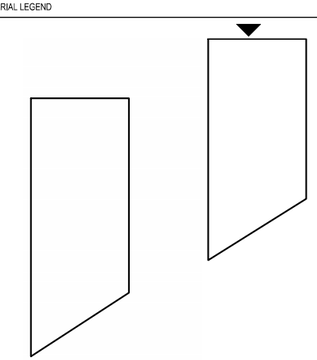
400	CONCRETE MASONRY UNIT (CMU), S.S.D.
404	CMU CRASH WALL, PAINTED BLACK
721	RIGID INSULATION
910	FRAMED PARAPET WALL WITH METAL PANEL, FINISH TO MATCH MULLION PAINT

KEYNOTE LEGEND 1/4" = 1'-0"

MATERIAL TAG

CM-1	CONCRETE MASONRY UNIT, TYPE 1
GL-1	1" IGU VISION GLASS - REFER TO BOD
GL-2	1" IGU VISION GLASS WITH SHADOW BOX AND INSULATION - REFER TO BOD
GL-3	1" IGU SIMULATED ETCHED GLASS AND INSULATION - REFER TO BOD
GL-4	1" IGU VISION ULTA CLEAR GLASS - REFER TO BOD
GW-1	CABLE NET FOR GREEN WALL
MTL-1	ALUMINUM, PTD.
MTL-2	CORRUGATED METAL PANEL, PTD.
MTL-3	ALUMINUM MESH, PTD.
MTL-4	METAL PANEL ON CONCRETE STEM WALL - PAINT TO MATCH
PL-1	DARK STUCCO ON METAL FRAMED WALL
PT-2	BLACK PAINT AT EXPOSED COLUMNS ON P3 LEVEL, LOBBIES AND PERIMETER

MATERIAL LEGEND



KEYPLAN 1/4" = 1'-0"

brick.

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#	date	revision description

#	date	issue description
2	2023.06.29	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

ENLARGED ELEVATION, SECTIONS & PLANS

A4.04

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Dero Decker

Submittal Sheet

CAPACITY	4 Bikes per unit
MATERIALS	**Uprights:** 4" ftg square tube **Upright base:** 1/4" plate **Cantilevers:** ftg plate **Cantilever base:** 1/4" plate **Trays:** ftg plate
FINISHES	☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option. ☐ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat
MOUNT OPTIONS	**Surface only** Each upright has one 1/4" plate feet that accept 1/2" wedge anchors
E-BIKE CHARGING	☐ **Add Electrical Outlets** For lower trays only (fat bike trays recommended). Wiring must be performed by a licensed electician. Racks with electrical outlets must be installed in an area protected from rain and on a GFI circuit. The outlets provided are IP54 weatherproof and UL, CE certified. Consult local electrical codes for more detail.
FAT BIKE TRAYS	☐ **Fat Bike Tray Option (Lower Level Only)** Fat bike trays accommodate tires up to 5" wide. Standard trays accommodate tires up to 2.25" wide.
CANE STOPS	☐ **Add cane stops** Available in galvanized or powder coat finish

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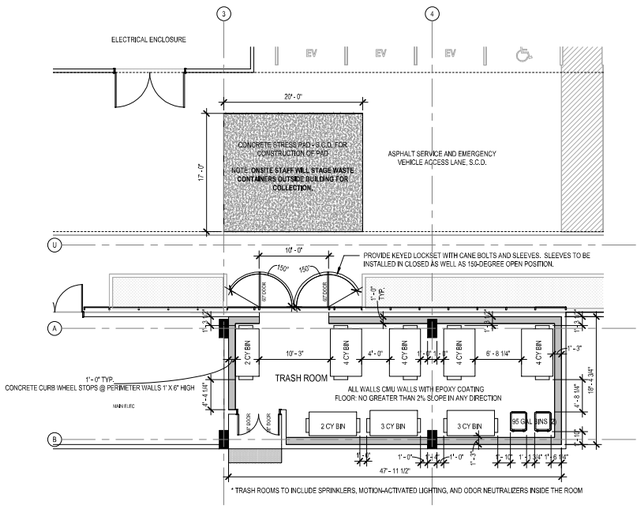
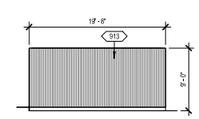
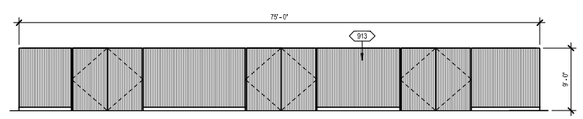
5 BICYLE RACK SPECIFICATION



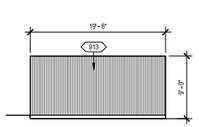
2 FLOOR PLAN - BUILDING A TRASH ROOM 1/8" = 1'-0"



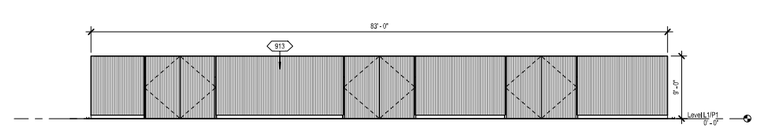
6 WEST TRANSFORMER ROOM - WEST ELEV EAST ELEV SIM 1/8" = 1'-0"



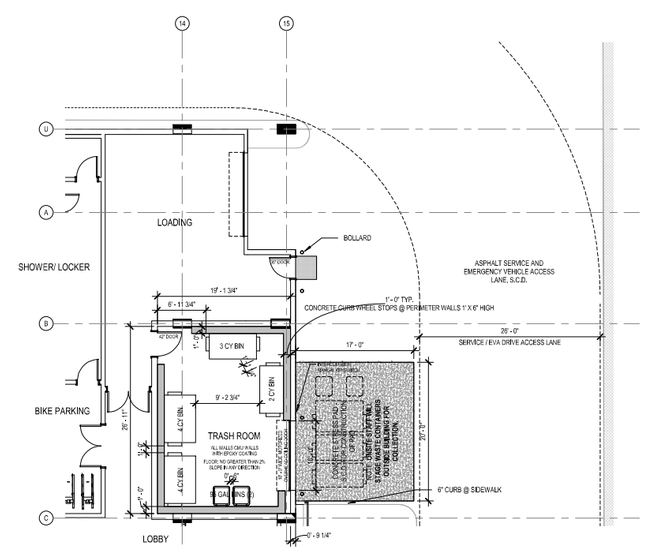
5 WEST TRANSFORMER ROOM - SOUTH ELEV NORTH ELEV SIM - NO DOORS TO NORTH ELEVATION 1/8" = 1'-0"



4 EAST TRANSFORMER ROOM - WEST ELEV EAST ELEV SIM 1/8" = 1'-0"



3 EAST TRANSFORMER ROOM - SOUTH ELEV NORTH ELEV SIM - NO DOORS TO NORTH ELEVATION 1/8" = 1'-0"



1 FLOOR PLAN - BUILDING B TRASH ROOM 1/8" = 1'-0"

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#	date	issue description
	2025.07.29	SMP SUBMITTAL REV-03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV-02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

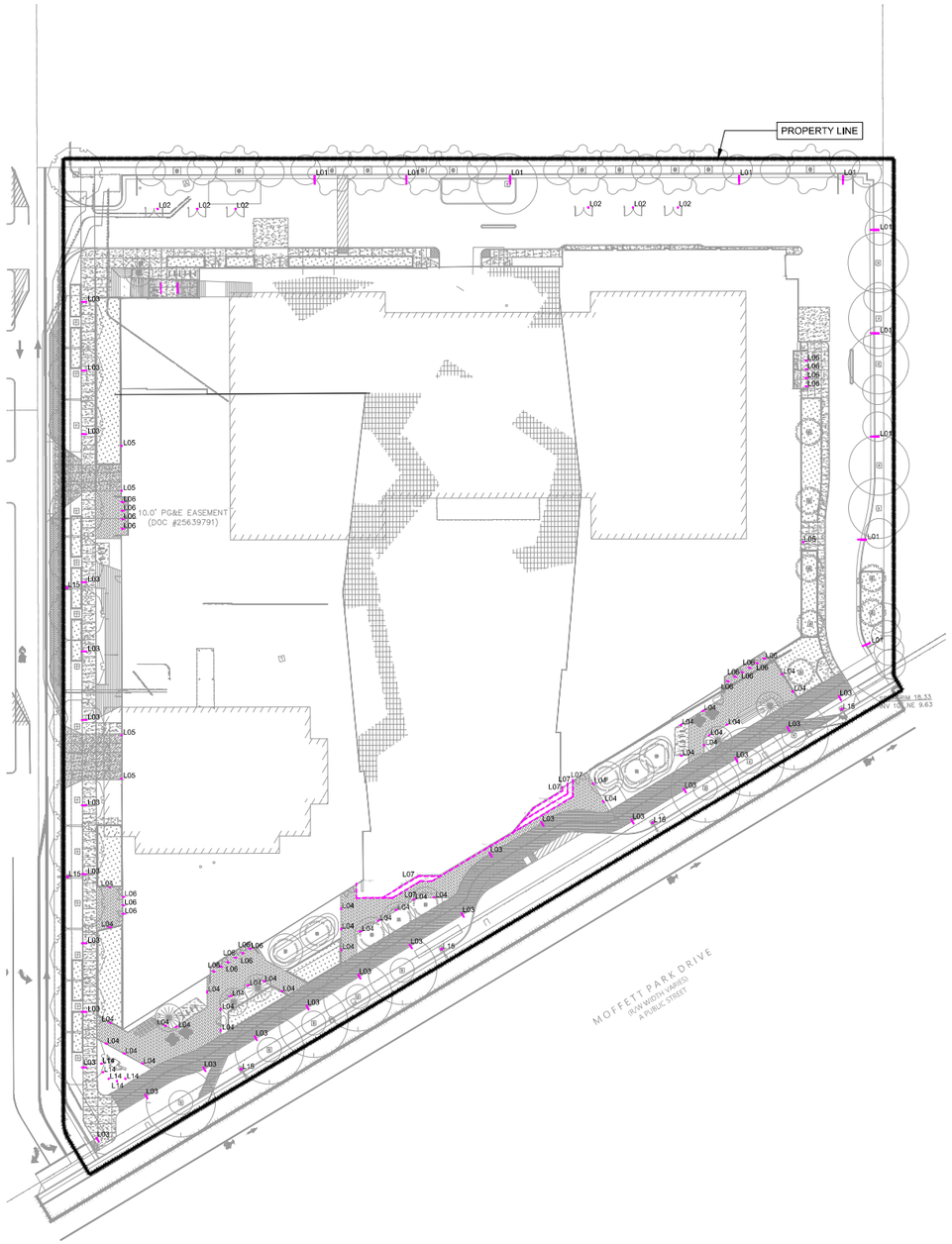
333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2025.01.15

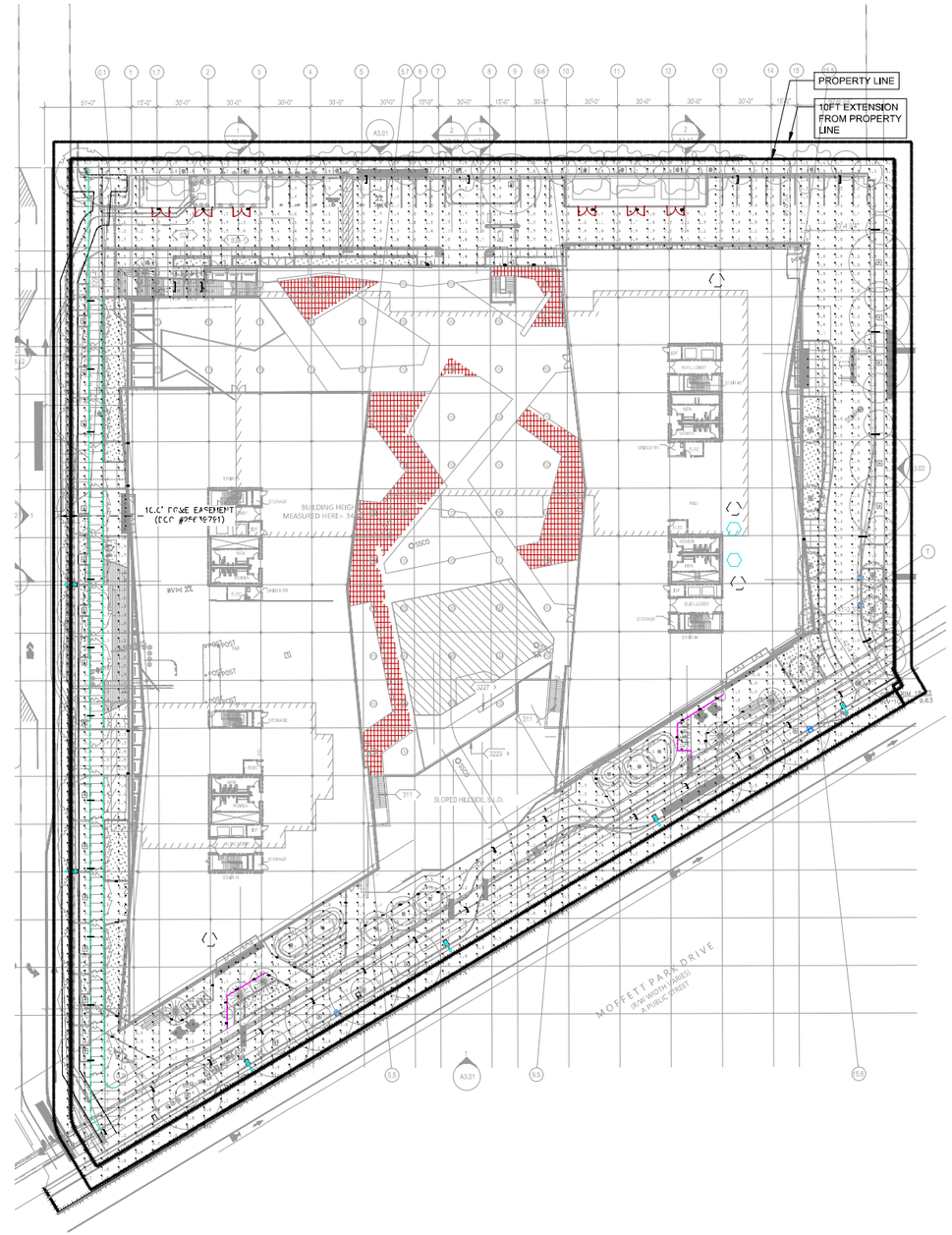
ENLARGED TRASH ROOMS - STAGING & ACCESS - TRANSFORMER ENCLOSURE ELEVATIONS

A6.01



1 GROUND LEVEL LIGHTING PLAN

Scale: 1/32" = 1'-0"



2 GROUND LEVEL LIGHT LEVELS

Scale: 1/32" = 1'-0"

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Client - Line 2
Client - Line 3
Client - Line 4
Client - Line 5

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GROUND LEVEL LIGHTING PLAN AND LIGHT LEVEL CALCULATION RESULTS

#	date	issue description
	2025.07.29	SMP SUBMITTAL REV- 03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
1	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

SUNNYVALE, CA 94089

project number: 22-387
date: 2024.12.20

LT1.00

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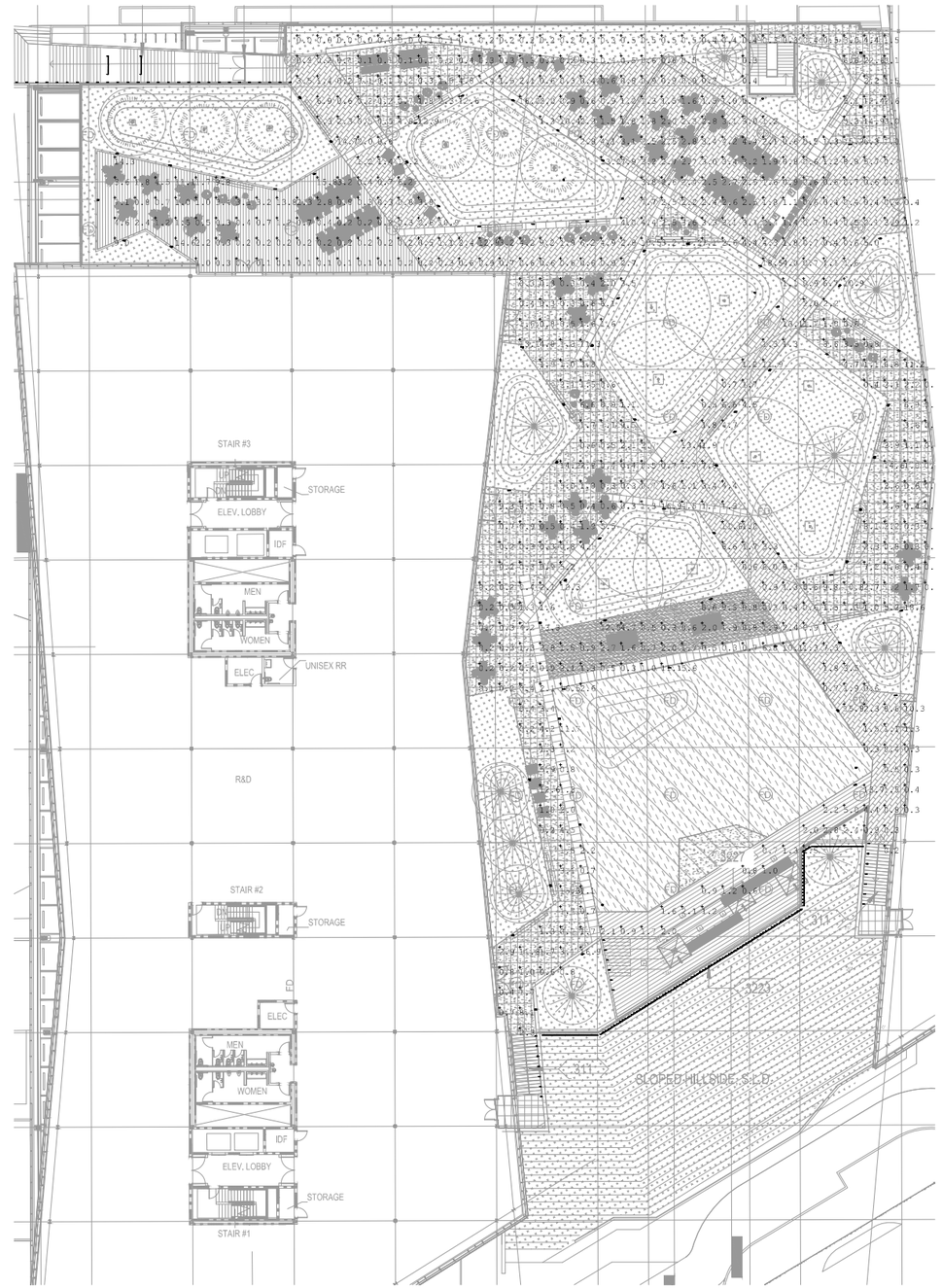
1 PODIUM LEVEL LIGHTING PLAN

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



2 PODIUM LEVEL LIGHT LEVELS

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

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Client - Line 3
Client - Line 4
Client - Line 5

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CONSULTANT
creo landscape architecture
[illegible]

PODIUM LEVEL LIGHTING PLAN AND LIGHT LEVEL CALCULATION RESULTS

#	date	issue description
	2025.07.29	SMP SUBMITTAL REV- 03
	2025.07.29	MSDP SUBMITTAL REV-02
	2025.04.30	SMP SUBMITTAL REV- 02
	2025.04.30	MSDP SUBMITTAL REV-01
	2025.01.20	SMP/ MSDP SUBMITTAL
	2023.11.03	90% SCHEMATIC DESIGN
#	2023.10.12	SITE MASTER PLAN SUBMITTAL

333-385 MOFFETT PARK DRIVE

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project number: 22-387
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ELECTRIC LIGHT

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[illegible] Street • Suite 400 | San Francisco, CA 94107
T 415.896.5335 | www.electriclight.com

Luminaire Schedule
LIFE SAFETY | EXTERIOR
*The schedule data is for reference only and is not an official issuance.

DATE	
DRAWN	

TAG	Image	Description	Location	Manufacturer	Model	Lamp Type	Mounting	Finish	Watts	CRI	CCT	Voltage	Dimming	Fixture Finish	Qty	Notes	Notes
L01		Pole mounted parking area light	Pole	Lumenpulse	Lumenblade Medium BLEM	BLEM-M-14-NW-UNV-MP00-MDW-CW-BLEM-BMS-FINISH-TBD-TBD-AORGBTD-AS/BZ10-	TBD	TBD	115	2000K	80+	TBD	0	RAL10-60	0-10V	1. Dimming and control type to be determined by the electrical consultant. 0-10V or Lumenwalk are the two options. 2. Finish to be determined by the architect. 3. Pole type and the other necessary mounting accessories to be specified and by the manufacturer and the installer.	Detailed Info https://www.lumenpulse.com/en-ca/product/lumenblade-medium-blem-area-and-roadway-luminaire Specification sheet link https://www.lumenpulse.com/en-ca/product/lumenblade-medium-blem-area-and-roadway-luminaire/download/lumenblade-medium-blem-area-and-roadway-luminaire.pdf
L02		Wall mounted parking light	Wall	Lumenpulse	Lumenblade Nano BLUN	BLUN-M14-TBD-CSL-MB1E-3-UV-TWBRTTBD-DMM-AORGBTD-AS/BLUN	MA	TBD	17	3000K	90+	TBD	90	BJ-UA-BL	0-10V	1. Finish to be determined by the architect. 2. All required mounting accessories to be purchased by the installer.	Detailed Info https://www.lumenpulse.com/en-ca/product/lumenblade-nano-blun-area-and-roadway-luminaire Specification sheet link https://www.lumenpulse.com/en-ca/product/lumenblade-nano-blun-area-and-roadway-luminaire/download/lumenblade-nano-blun-area-and-roadway-luminaire.pdf
L03		Pathway bollards	Pole	Lumenpulse	Lumenblade Small BLDS	BLDS-S2-TBD-CSL-MB1E-SDY-UDYN-AORGBLB-FINISHTBD-DOWNOPTTBD-AORGBTD-AS/BZ10	MA	TBD	7W	4000K	87+	TBD	52	BJ-UA-BL	0-10V	1. Finish to be determined by the architect. 2. Dimming type and protocol to be determined by the electrical engineer. 3. Pole type and required mounting accessories to be purchased by the installer.	Detailed Info https://www.lumenpulse.com/en-ca/product/lumenblade-small-blds-area-and-roadway-luminaire Specification sheet link https://www.lumenpulse.com/en-ca/product/lumenblade-small-blds-area-and-roadway-luminaire/download/lumenblade-small-blds-area-and-roadway-luminaire.pdf
L04		Bollard	Bollards	Lumenpulse	Lumenblade Bollard BLBD	BLBD-M-TBD-CSL-MB1E-SDY-UDYN-AORGBTD-DMM-AORGBTD-AS/BZ10	TBD	TBD	8W	4000K	90	TBD	86	RAL10-60	TBD	1. Control and dimming type will be determined per project requirements. 2. Finish to be determined by the architect.	Detailed Info https://www.lumenpulse.com/en-ca/product/lumenblade-bollard-blbd-area-and-roadway-luminaire Specification sheet link https://www.lumenpulse.com/en-ca/product/lumenblade-bollard-blbd-area-and-roadway-luminaire/download/lumenblade-bollard-blbd-area-and-roadway-luminaire.pdf
L05		Building mounted wall sconce	Wall	Lumenpulse	Lumenblade Nano BLUN	BLUN-M14-TBD-CSL-MB1E-3-UV-MWBRTTBD-DMM-AORGBTD-AS/BZ10	MA	TBD	11	3000K	90+	TBD	97	BJ-UA-BL	0-10V	1. Finish to be determined by the architect. 2. All required mounting accessories to be purchased by the installer.	Detailed Info https://www.lumenpulse.com/en-ca/product/lumenblade-nano-blun-area-and-roadway-luminaire Specification sheet link https://www.lumenpulse.com/en-ca/product/lumenblade-nano-blun-area-and-roadway-luminaire/download/lumenblade-nano-blun-area-and-roadway-luminaire.pdf
L06		Recessed downlight at canopy	Recessed	Lucifer	Alumen 2	A2RD-F-6-TWBRTTBD-DMM-ELECTBD-FD-TBD-RFFTBD-3000K-90-4-WD	TBD	TBD	22	3000K	90	TBD	57	BJ-UA-BR	TBD	1. Flange and baffle finish to match the canopy. 2. Driver type, dimming protocol and line voltage to be determined.	Detailed Info https://www.lucifer.com/en-us/product/alumen-2-recessed-downlight-for-wet-locations-with-flange-and-baffle-trim-and-tilting-lens-for-ceiling-applications-with-a-maximum-of-2-inch-thick-ceiling-and-wall-thickness-with-a-maximum-of-2-inch-thick-insulation-and