



ARCHITECTURAL REVIEW BOARD PLANS

FOR

STANFORD SHOPPING CENTER

OPTION 1
180 EL CAMINO REAL
PALO ALTO, CA 94304



VICINITY MAP
SCALE: NTS
NORTH

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PROJECT TEAM

OWNER/DEVELOPER
MATT KLINZING
SIMON PROPERTIES
228 WEST WASHINGTON STREET
INDIANAPOLIS, IN 46204
(317) 263–7106
MKLINZING@SIMON.COM

ARCHITECT
JOHN GALWAA
GH+A DESIGN STUDIO
409 E. JEFFERSON AVE, 6TH FLOOR
DETROIT, MI 48226
(248) 374–2360
JGALWAA@GHADESIGN.COM

ARCHITECT
GEORGE MASIE
NELSON
6000 LOMBARDO CENTER, SUITE 500
CLEVELAND, OH 44131
(216) 830–1555
GMASIE@NELSON.COM

SURVEYOR
BKF ENGINEERS
1730 N. FIRST STREET, SUITE 600
SAN JOSE, CA 95112
(408) 467–9100

CIVIL ENGINEER
MIKE MOWERY, PE
KIMLEY–HORN AND ASSOCIATES, INC.
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
(925) 398–4852
MIKE.MOWERY@KIMLEY–HORN.COM

LANDSCAPE
MATTHEW MORGAN, PLA, ASLA
KIMLEY–HORN AND ASSOCIATES, INC.
100 SAN FERNANDO STREET, SUITE 250
PLEASANTON, CA 94588
(408) 785–3518
MATTHEW.MORGAN@KIMLEY–HORN.COM

ELECTRICAL
ANTHONY BASDEN
GAUSMAN & MOORE
1700 HIGHWAY 36 WEST, SUITE 700
ROSEVILLE, MN 55113
(651) 604–3175
ABASDEN@GAUSMAN.COM

PROJECT INFORMATION

ADDRESS	**660 STANFORD SHOPPING CENTER, PALO ALTO, CA 94304**
APN	**142-01-009**
ZONING CLASSIFICATION	**(CC) COMMUNITY COMMERCIAL**
PARCEL AREA	**51.72 AC**
SITE AREA	**3.29 AC**
LOT COVERAGE	
REQUIRED	**N/A**
PROPOSED	**0.53**
FAR	
REQUIRED	**N/A**
PROPOSED	**0.62**
SETBACKS (REQUIRED)	
FRONT	N/A
REAR	N/A
SIDE	N/A

PROPOSED BUILDING SUMMARY

PROPOSED BUILDING SUMMARY

	CONSTRUCTION TYPE	OCCUPANCY GROUP	BUILDING HEIGHT	BUILDING AREA
BUILDING EE	Type IIB, Unrated noncombustible construction	"M" Mercantile	36'-1.5"	7,503 (SF)
RESTORATION HARDWARE	Type IIB, Unrated noncombustible construction	"M" Mercantile, Retail Center - home furnishings and accessories - one tenant only	50'-0"	41,850 (SF)

GFA For Parking

Building	GFA
C-North	36,524
C-South	37,717
D	76,106
E	42,491
F	63,995
G	0
H	22,059
J	9,493
L	26,645
M	68,540
N	20,717
P	9,955
V	64,140
W	11,778
AA	29,305
BB	52,148
CC	16,492
DD	33,647
EE	7,503
Sub-Total	**629,255**
DEPARTMENT STORES AND OUTPARCELS	
Nordstrom	180,000
Neiman Marcus	120,000
Restoration Hardware	41,850
Macy's	225,830
Bloomingdales	123,678
The Container Store	38,301
Crate and Barrel	39,173
Bank of America	4,185
Flemings (including outdoor patio gfa)	8,511
Sub-Total	781,528
Total GFA For Parking	1,410,783

PARKING SUMMARY

City of Palo Alto Parking Requirements:	Number of Spaces Req'd	Parking Ratio
Parking Required at 1/ 275 of GFA	5131	3.64
Macy's Redevelopment EV charger ready spaces required*	15	
Macy's Redevelopment EV conduit only spaces required	57	

* These spaces are being provided in the parking garage

VEHICULAR PARKING SUMMARY

Parking Provided by Space Type	REGULAR	ADA	DEDICATED	EV (chargers)	EV (conduit only)	TOTAL
EXISTING						
Existing parking spaces (as of 3/27/19)	5,220	101		29	96	5,446
ShakeShack (18PLN-00054) parking modification			2			
Tesla (16PLN-00040) parking modification			6			
Total existing parking spaces deducting the dedicated spaces						5,438
PROPOSED						
Parking spaces added/(removed) as part of redevelopment	-242	10	0	0	57	
Total parking space by type post redevelopment	4,978	111	8	29	153	**5,279**
Excess number of spaces						**148**

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM

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STANFORD SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

COVER SHEET
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
G0.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:G0.1 COVER SHEET November 06, 2019 04:31:30pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\G000 Cover Sheet.dwg
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SAND HILL ROAD

SAND HILL ROAD

BIORETENTION

BIORETENTION

BIKE RACK

PRIVATE OPEN SPACE

PRIVATE OPEN SPACE

RH
ARCHITECTURE | DESIGN

PROP. BLDG
41,850 SQ FT

PRIVATE OPEN SPACE

PRIVATE OPEN SPACE

BENCH

SITE LIGHTING

LOADING ZONE

SHOPPING CENTER WAY

MODULAR PANELS WITH VINE SCREENING OF UTILITIES

EV CHARGING ELECTRICAL EQUIPMENT

TRANSFORMER(TYP)

ADA COMPLIANT TREE GRATES (TYP)

COLOR ENHANCED CONCRETE PAVEMENT

PROPOSED BUILDING PAD

PROP. BLDG
3120 SQ FT

EE

PROP. BLDG
3120 SQ FT

EX. BLDG.

EX. BLDG.

REFER TO CIVIL SHEET C2 FOR SITE PLAN DIMENSIONS AND LS100 FOR PLANT INFORMATION

PISTACHE PLACE

PUBLIC PEDESTRIAN AMENITIES

RAISED CROSSWALK, INTEGRAL COLOR ENHANCED CONCRETE WITH EXPOSED AGGREGATE

EL CAMINO REAL

NORTH

GRAPHIC SCALE IN FEET
0 12 24 48

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Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM

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ILLUSTRATIVE SITE PLAN
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

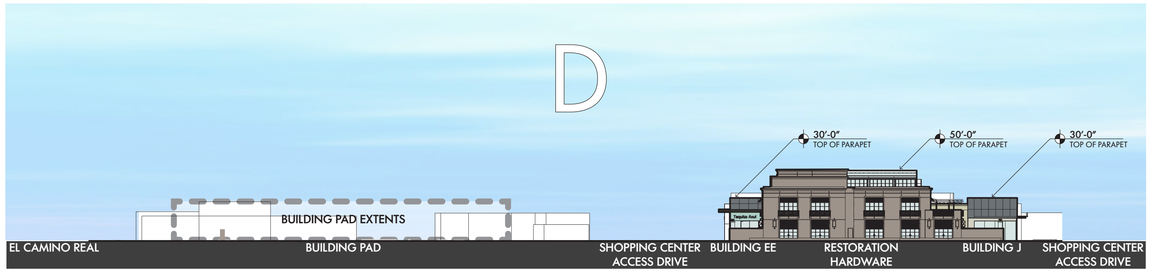
DATE
NOVEMBER 06, 2019

SHEET NUMBER
G1.1

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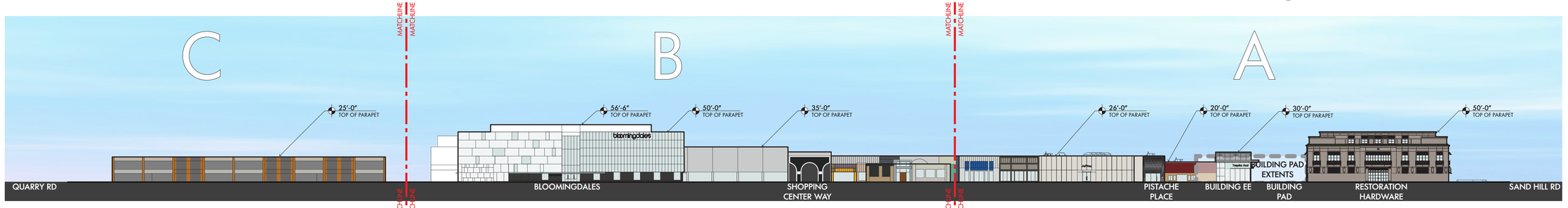
1 PROJECT NORTH ELEVATION (ALONG SAND HILL ROAD) WITH TREES
SCALE: 1" = 50'-0"



2 PROJECT NORTH ELEVATION (ALONG SAND HILL ROAD)
SCALE: 1" = 50'-0"



3 PROJECT EAST ELEVATION (ALONG EL CAMINO REAL) WITH TREES
SCALE: 1" = 50'-0"



4 PROJECT EAST ELEVATION (ALONG EL CAMINO REAL)
SCALE: 1" = 50'-0"

0' 25' 50' 100'

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409 E. Jefferson Ave. 6th Floor,
Detroit, MI, United States 48226
T: 248.374.2360
www.ghadesign.com

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CONTEXT ELEVATIONS

OPTION 1

PLANNING APPLICATION NO.
PAB-19PLN-00110

DATE
OCTOBER 25, 2019

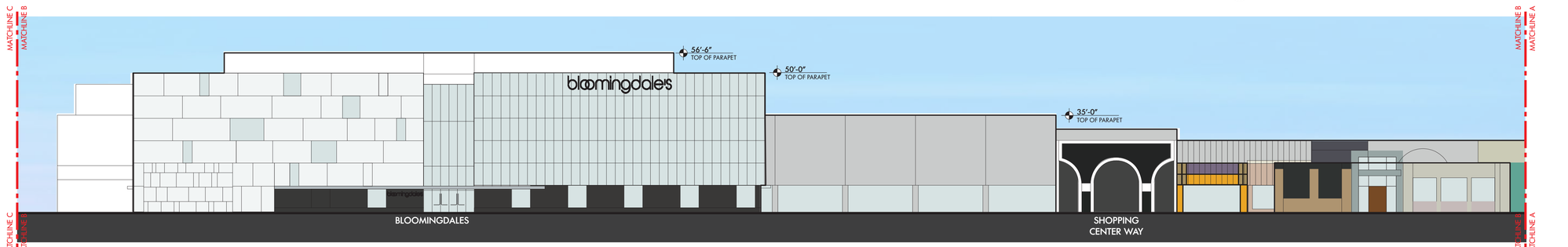
SHEET NUMBER
A2

OPTION 1

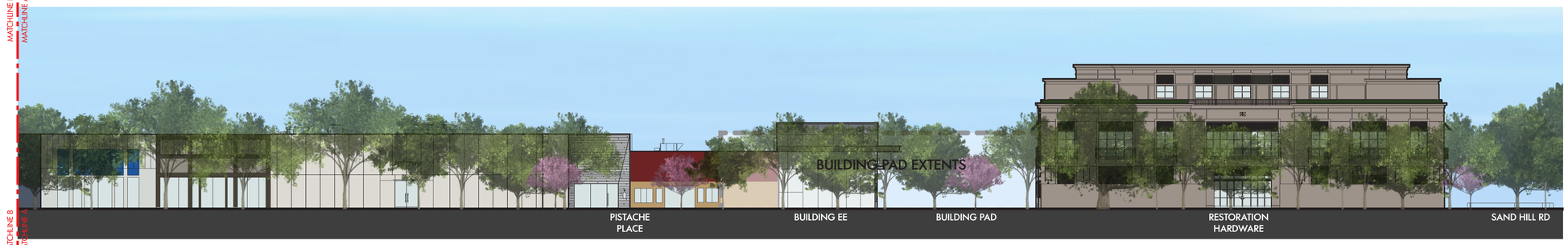
Plotted By:John Galvao Sheet Set:Rho Layout:ELEV_CONTEXT_24X36 October 25, 2019 01:46:40pm P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\121137.005 - Wikes Bashford Study\01_CAD\SSC_WB_EL.dwg
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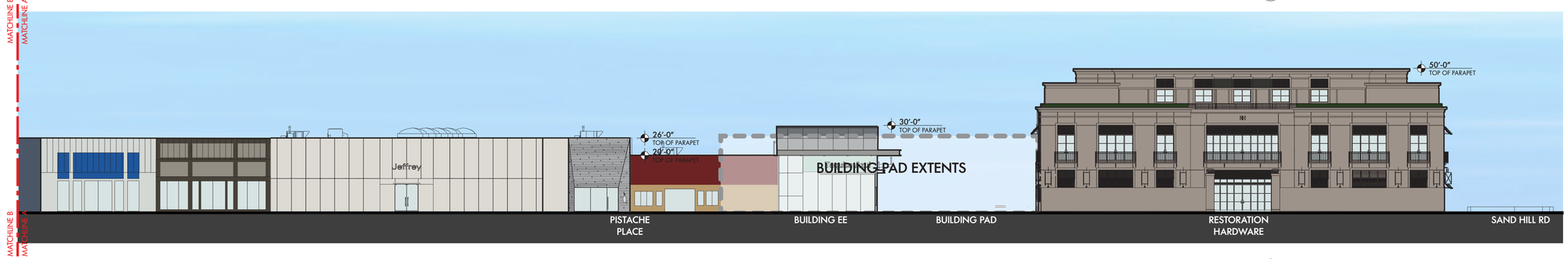
1 AREA B ENLARGED EAST ELEVATION (ALONG EL CAMINO REAL) WITH TREES
SCALE: 1" = 20'-0"



2 AREA B ENLARGED EAST ELEVATION (ALONG EL CAMINO REAL)
SCALE: 1" = 20'-0"



3 AREA A ENLARGED EAST ELEVATION (ALONG EL CAMINO REAL) WITH TREES
SCALE: 1" = 20'-0"



4 AREA A ENLARGED EAST ELEVATION (ALONG EL CAMINO REAL)
SCALE: 1" = 20'-0"

0' 10' 20' 40'

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ENLARGED CONTEXT ELEVATIONS

OPTION 1

PLANNING APPLICATION NO.
PAB-19PLN-00110

DATE
OCTOBER 25, 2019

SHEET NUMBER
A3

OPTION 1

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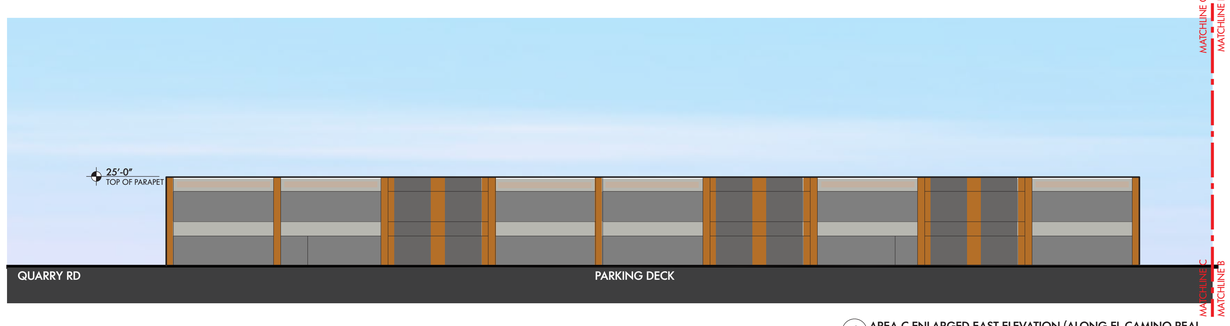
1 AREA D ENLARGED NORTH ELEVATION (ALONG SAND HILL ROAD) WITH TREES
SCALE: 1" = 20'-0"



2 AREA D ENLARGED NORTH ELEVATION (ALONG SAND HILL ROAD)
SCALE: 1" = 20'-0"



3 AREA C ENLARGED EAST ELEVATION (ALONG EL CAMINO REAL) WITH TREES
SCALE: 1" = 20'-0"



4 AREA C ENLARGED EAST ELEVATION (ALONG EL CAMINO REAL
SCALE: 1" = 20'-0"

0' 10' 20' 40'

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ENLARGED CONTEXT ELEVATIONS

OPTION 1

PLANNING APPLICATION NO. PAB-19PLN-00110

DATE
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SHEET NUMBER
A4

OPTION 1

Plotted By:Christianne Dowis Sheet Set:Kha Layout:A1 May 09, 2019 04:42:43pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA, Palo Alto\01-Design\04-AOR\basefiles\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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MAIN ENTRY

No.	REVISIONS	DATE	BY

RH

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RENDERING

PLANNING
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DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH1

Plotted By:Christianne Davis Sheet Set:Kha Layout:A2 May 09, 2019 04:52:27pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA_ Palo Alto\01--Design\04--AGR\baseffles\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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SOUTHWEST VIEW FROM SHOPPING CENTER WAY

No.	REVISIONS	DATE	BY

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RENDERING

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DATE
NOVEMBER 06, 2019

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A - RH2

Plotted By:Christianne Dawis Sheet Set:Kha Layout:A3 May 09, 2019 04:52:42pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA, Palo Alto\01-Design\04-AGR\baseflies\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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NORTHWEST VIEW FROM SAND HILL ROAD

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NOVEMBER 06, 2019

SHEET NUMBER
A - RH3

APPLICABLE CODES

2016 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS
(2015 INTERNATIONAL BUILDING CODE (IBC) WITH AMENDMENTS)
2016 CALIFORNIA FIRE CODE, (2015 INTERNATIONAL FIRE CODE (IBC) WITH AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (WITH AMENDMENTS)
2006 INTERNATIONAL CODE COUNCIL ELECTRICAL CODE ADMINISTRATIVE PROVISIONS AS A SUPPLEMENT
2016 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (WITH AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE
2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS

2016 CALIFORNIA REFERENCED STANDARDS CODE (PARTS 2, 2.5, 3, 4, 5, 6, 8, 10, 11, AND 12 OF THE 2016 CALIFORNIA BUILDING STANDARDS CODE)
2016 CALIFORNIA REFERENCE STANDARDS CODE.

2013 Ed. of NFPA (MARIN COUNTY FIRE AUTHORITY ORDINANCES OR REQUIREMENTS DO NOT SUPERSEDE NFPA 13.)

BUILDING CODE DATA

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION			REFERENCE
USE GROUP:	"M" MERCANTILE, RETAIL CENTER - HOME FURNISHINGS AND ACCESSORIES - ONE TENANT ONLY		SECTION 309.1
ACCESSORY USES:	"A-2" ASSEMBLY, CAFETERIA AND KITCHEN		SECTION 303.3
	"B" BUSINESS, OFFICES		SECTION 304.1
	"S-1" STORAGE, STORAGE CLOSETS		SECTION 311.2
CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS			
THE BUILDING IS PERMITTED TO BE CONSTRUCTED AS TYPE IIB, UNRATED NONCOMBUSTIBLE CONSTRUCTION FOR A-2 OCCUPANCY			TABLE 504.3
	REQUIRED	PROPOSED	
ALLOWABLE HEIGHT WITHOUT AREA INCREASE:	75 FEET	50 FEET	TABLE 504.3
ALLOWABLE NUMBER OF STORIES WITHOUT AREA INCREASE:	3 STORIES	3 STORIES	TABLE 504.4
ALLOWABLE BUILDING AREA PER STORY WITHOUT ANY FRONTAGE INCREASE:	28,500 S.F.	MAX. 17,920 S.F. AT LEVEL 1	TABLE 506.2
MIXED OCCUPANCIES ARE NON-SEPARATED	**USE GROUP A-2 REQUIREMENTS** WHICH IS MORE RESTRICTIVE THAN GROUP M		SECTION 508.3
INCIDENTAL USES		NONE	SECTION 509
CHAPTER 6 - TYPE OF CONSTRUCTION TYPE			
TYPE IIB, UNRATED NONCOMBUSTIBLE CONSTRUCTION			
FIRE-RESISTANCE-RATED REQUIREMENTS:	REQUIRED		TABLE 601
• PRIMARY STRUCTURAL FRAME	0 HOUR		
• BEARING WALLS	0 HOUR		
• NON-BEARING WALLS	0 HOURS		
• FLOORS	0 HOUR		
• ROOF	0 HOURS		
• EXTERIOR WALLS	NOT REQUIRED (SEPARATION DISTANCE OF 30'-0" OR GREATER ALL SIDES)		SECTION 602
• ALL COMBUSTIBLE MATERIALS SHALL COMPLY WITH REQUIREMENTS ESTABLISHED IN SECTION 603.			
CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES			
AREA OF EXTERIOR WALL OPENINGS	NOT REQUIRED (SEPARATION DISTANCE OF 30'-0" OR GREATER ALL SIDES)		TABLE 705.8
FIRE WALLS	NOT REQUIRED		SECTION 706
ENCLOSED EXIT STAIRS	1 HOUR FIRE RATED W/ 60 MINUTES OPENING PROTECTIVES		SECTION 713
SHAFT ENCLOSURES	1 HOUR FIRE RATED DUE TO THE NUMBER OF STORIES (3)		SECTION 713.4
CHAPTER 8 - FIRE PERFORMANCE CLASSIFICATIONS			
INTERIOR WALL AND CEILING FINISH FOR A-2 OCCUPANCY IN SPRINKLERED BUILDING			TABLE 803.11
• EXIT STARIWAYS, RAMPS AND PASSAGEWAYS	CLASS B		
• EXIT CORRIDORS AND ACCESS STAIRWAYS AND RAMPS	CLASS B		
• ROOMS AND ENCLOSED SPACES	CLASS C		
ROOF (CHAPTER 15; TABLE 1505.1)	CLASS B		
CHAPTER 9 - FIRE PROTECTION SYSTEMS			
AUTOMATIC SPRINKLER PROTECTION			SECTION 903.3.1.1
ALL INTERIOR PORTIONS OF THIS BUILDING WILL BE PROTECTED BY HYDRAULICALLY DESIGNED, ELECTRICALLY SUPERVISED SPRINKLER SYSTEM, IN ACCORDANCE WITH NFPA 13. IF THERE ARE ANY CANOPIES OR AWNINGS PROPOSED, FURTHER REVIEW IS NECESSARY TO DETERMINE SPRINKLER REQUIREMENTS.			
FIRE DEPARTMENT HOSE OUTLETS			SECTION 905.3.1 EXCEPTION 1
SINCE THE HIGHEST STORY WITHIN RH EXCEEDS 30 FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS, A CLASS I MANUAL WET STANDPIPE SYSTEM IS REQUIRED ALL STANDPIPE SYSTEMS IN ACCORDANCE WITH NFPA 14			
PORTABLE FIRE EXTINGUISHERS			SECTION 906
PORTABLE FIRE EXTINGUISHERS WILL BE LOCATED THROUGHOUT THE BUILDING IN ACCORDANCE WITH THE NFPA 10.			
FIRE ALARM SYSTEM/ SMOKE DETECTION SYSTEM			SECTION 907.2.1 SECTION 907.2.7
OCCUPANT NOTIFICATION APPLIANCES (AUDIBLE/ VISUAL) ARE REQUIRED IN MERCANTILE BUILDINGS WITH AN OCCUPANT LOAD EXCEEDING 500 OCCUPANTS AND/OR AN ASSEMBLY OCCUPANCY EXCEEDING 300 OCCUPANTS. THEREFORE THE BUILDING WILL PROVIDE A HORN/STROBE OCCUPANT NOTIFICATION SYSTEM.			
SMOKE DETECTION SYSTEM			SECTION 907.3
DUCT SMOKE DETECTORS WILL BE PROVIDED WHERE REQUIRED IN THE MECHANICAL CODE. SMOKE DETECTORS ASSOCIATED WITH THE MECHANICAL HVAC SYSTEMS WILL ANNUNCIATE A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL PANEL SINCE THESE DEVICES ARE INSTALLED FOR THE PURPOSE OF EQUIPMENT SHUTDOWN, A SUPERVISORY SIGNAL IS APPROPRIATE. A SINGLE MANUAL PULL STATION WILL BE PROVIDED AT THE FIRE ALARM CONTROL PANEL AS WELL AS A SPOT DETECTOR AND AUXILIARY POWER SUPPLY ONLY.			
SMOKE EXHAUST SYSTEM			SECTION 910
THE CODE REQUIRES SMOKE CONTROL WHEN A 3 STORY OR MORE ATRIUM EXISTS. IN THE PROPOSED RH BUILDING, THERE ARE NO ATRIUMS, THUS SMOKE CONTROL IS NEITHER REQUIRED NOR PROPOSED.			
EMERGENCY POWER/EGRESS LIGHTING			
THE BUILDING WILL PROVIDE A CODE COMPLYING EMERGENCY POWER SYSTEM FOR ALL EMERGENCY LIGHTING, EXIT SIGNAGE, AND FIRE ALARM SYSTEM AND DEVICES.			
FIRE DEPARTMENT RADIO COVERAGE			
PER SECTION 510 IN THE FIRE CODE, ALL NEW BUILDINGS MUST HAVE APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING. FURTHER DISCUSSION WITH THE FIRE DEPARTMENT MAY BE NECESSARY TO DETERMINE TO WHAT EXTENT FIRE DEPARTMENT RADIO COVERAGE WILL BE REQUIRED IN THE BUILDING.			

CHAPTER 10 - MEANS OF EGRESS	
REFER TO OCCUPANT CHART ON SHEET A-RH5 FOR THE CALCULATED OCCUPANT LOAD AND EXIT CAPACITY AT EACH LEVEL	TABLE 1004.1.2.
THE EXIT CAPACITY OF VERTICAL EGRESS COMPONENTS IS BASED ON 0.3 INCHES/OCCUPANT. THE EXIT CAPACITY OF HORIZONTAL EGRESS COMPONENTS IS BASED ON 0.2 INCHES/OCCUPANT	SECTION 1005.3.1 SECTION 1005.3.1
ON LEVEL ONE, IN ADDITION TO THE TWO EXIT STAIR DISCHARGES, THERE IS ALSO ONE MAIN ENTRANCE/ EXIT IN THE WEST AND EAST COURTYARDS. MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50% OF THE REQUIRED CAPACITY.	SECTION 1005.5
DOORS WHEN FULLY OPENED MUST NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7". DOORS IN ANY POSITION MUST NOT REDUCE THE REQUIRED WIDTH BY MORE THAN ONE HALF.OTHER NONSTRUCTURAL PROJECTIONS SUCH AS TRIM AND SIMILAR DECORATIVE FEATURES MAY NOT PROJECT INTO REQUIRED WIDTH 1-1/2" ON EACH SIDE.	SECTION 1005.7.1
EMERGENCY POWER/EGRESS LIGHTING THE BUILDING WILL PROVIDE A CODE COMPLYING EMERGENCY POWER SYSTEM FOR ALL EMERGENCY LIGHTING, EXIT SIGNAGE, AND FIRE ALARM SYSTEM AND DEVICES.	SECTION 1006
WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS MUST BE PLACED A DISTANCE APART TO NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS (IN A FULLY SPRINKLERED BUILDING).	SECTION 1007.1.1 EXCEPTION 2
WHERE ACCESS TO THREE OR MORE EXITS IS REQUIRED, AT LEAST TWO EXIT DOORS OR EXIT ACCESS DOORWAYS MUST BE ARRANGED AS OUTLINED ABOVE. EACH LEVEL REQUIRES A MINIMUM OF 2 EXITS, SPACED REMOTELY FROM ONE ANOTHER. (2) EXIT STAIRS WITH 1 HOUR RATED ENCLOSURE ARE PROVIDED ON EACH LEVEL AND DISCHARGE AT GRADE (LEVEL 1).	
TRAVEL DISTANCE WITHIN BUILDING IS LIMITED TO 250 FEET IN A MERCANTILE AND ASSEMBLY OCCUPANCIES REFER TO SHEET A-020 FOR MAXUMUM TRAVEL DISTANCE.	TABLE 1017.2
THE CENTRAL STAIR WILL BE DESIGNED TO BE AN UNENCLOSED EXIT ACCESS STAIRWAYS (SEE SHEET A-020) THE OPENING IS REQUIRED TO BE PROTECTED BY A DRAFT STOP/ WATER CURTAIN.	SECTION 1019.3, ITEM 4
DEAD ENDS IN ASSEMBLY OCCUPANCIES ARE LIMITED TO 20 FEET DEAD ENDS IN MERCANTILE OCCUPANCIES ARE LIMITED TO 50 FEET.	SECTION 1020.4

BUILDING AREA

GROSS BUILDING AREA PER CBC 2016 DEFINITION
GROSS FLOOR AREA: THE FLOOR AREA WITHIN THE INSIDE OF THE EXTERIOR WALLS OF THE BUILDING UNDER CONSIDERATION, EXCLUSIVE OF VENT SHAFT AND COURTS, WITHOUT DEDUCTION FOR CORRIDOR, STAIRWAYS, RAMPS, CLOSETS,THE THICKNESS OF INTERIOR WALLS, COLUMNS OR OTHER FEATURES.

FIRST FLOOR:	16,005 SF
SECOND FLOOR:	13,349 SF
THIRD FLOOR:	7,347 SF
TOTAL GROSS:	36,701 SF
OUTDOOR AREAS	
SECOND FLOOR:	1,822 SF
THIRD FLOOR:	4,296 SF
TOTAL OUTDOOR GROSS:	6,118 SF
TOTAL:	42,819 SF

OCCUPANTS — CALCULATIONS PER CBC 2016; CHAPTER 10; TABLE 1004.1.2

FIRST FLOOR:	
MERCANTILE	15,037 SF
BUSINESS	137 SF
STORAGE	830 SF
TOTAL:	16,004 SF
SECOND FLOOR:	
MERCANTILE*	14,484 SF
BUSINESS	175 SF
STORAGE	512 SF
TOTAL:	15,171 SF
THIRD FLOOR:	
MERCANTILE*	5,164 SF
ASSEMBLY	2,793 SF
KITCHEN	3,420 SF
STORAGE	266 SF
TOTAL:	11,643 SF
TOTAL:	
MERCANTILE*	34,685 SF
ASSEMBLY	2,793 SF
KITCHEN	3,420 SF
BUSINESS	312 SF
STORAGE	1,608 SF
TOTAL:	42,818 SF

*INCLUDE EXTERIOR RETAIL SPACES

LEVEL	MERCANTILE 60SF/OCC OTHER LEVELS	STORAGE 300SF/OCC	ASSEMBLY 15SF/OCC	KITCHEN 200SF/OCC	BUSINESS 100SF/OCC	TOTAL
LEVEL 1	251	3	-	-	1	255
LEVEL 2	244	2	-	-	2	248
LEVEL 3	86	1	186	17	-	290
TOTAL	581	5	186	17	3	793

COORDINATE ACTUAL OCCUPANCY LOADS WITH LIFE SAFETY PLANS ON SHEET RH0
*INCLUDES EXTERIOR MERCANTILE

EXITING — CALCULATIONS PER CBC 2016; CHAPTER 10

DESIGN OCCUPANT LOAD (SECTION 1004): 793

QUANTITY OF EXITS REQUIRED (SECTION 1006.3.1): 2 (MAX. OCCUPANCY = 290)

QUANTITY OF ACCESSIBLE EXITS REQUIRED (SECTION 1009.1): 2

COMMON PATH OF EGRESS TRAVEL, A-2 OCCUPANCY TYPE (TABLE 1006.2.1): 75'-0"

ARRANGEMENT OF EXITS (SECTION 1007.1.1 EXCEPTION 2): NOT LESS THAN 1/3 OVERALL DIAGONAL DISTANCE.

EXIT ACCESS TRAVEL DISTANCE, A-2 OCCUPANCY TYPE (TABLE 1017.2): 250'-0"

MINIMUM CORRIDOR WIDTH: 44"

MINIMUM STAIRWAY WIDTH: 48.5"

MINIMUM DOOR CLEAR WIDTH: 33"

REQUIRED EXIT CAPACITY FACTORS BASED ON OCCUPANT LOAD (SECTION 1005.3):
STAIRWAYS: 0.3" ALL OTHER EGRESS COMPONENTS: 0.2"

LEVEL	OCC LOAD	TYPE	REQUIRED WIDTH	PROVIDED WIDTH
LEVEL 1:	255	DOOR (0.2")	27.9" = (279 / 2) x 0.2"	33" MINIMUM AT EACH EXIT
LEVEL 2:	248	STAIR (0.3") DOOR (0.2")	42" = (280 / 2) x 0.3" 28" = (280 / 2) x 0.2"	48.5" MINIMUM AT EACH EXIT 33" MINIMUM AT EACH EXIT
LEVEL 3:	290	STAIR (0.3") DOOR (0.2")	46.95" = (313 / 2) x 0.3" 31.3" = (313 / 2) x 0.2"	48.5" MINIMUM AT EACH EXIT 33" MINIMUM AT EACH EXIT
TOTAL:	793			

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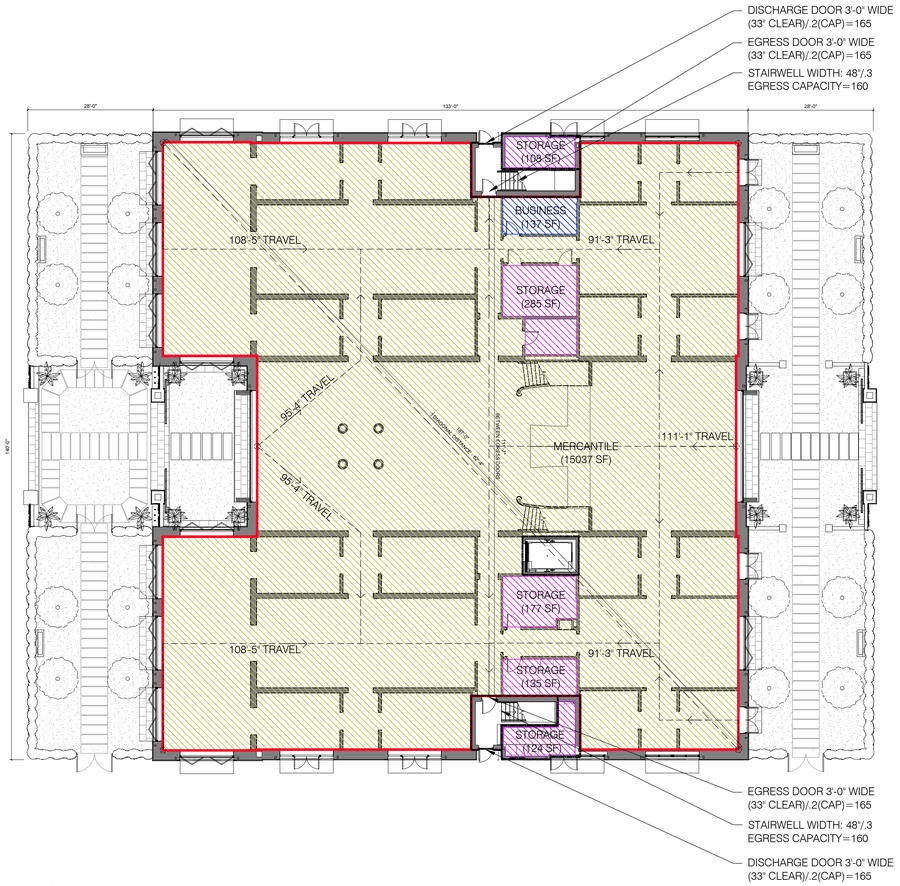
BUILDING CODE ANALYSIS

PLANNING APPLICATION NO.
19PLN - 00110

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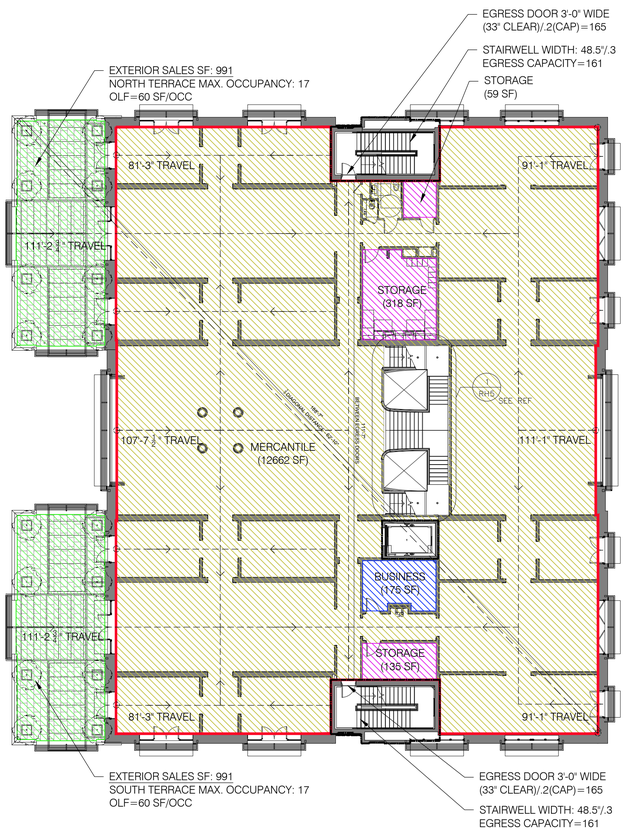
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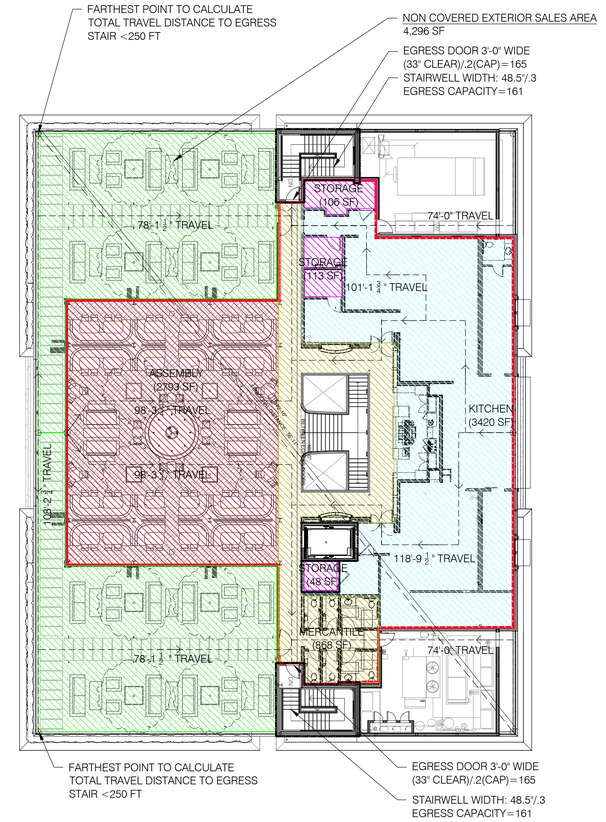
C1 / A-201 A-101 FIRST FLOOR PLAN

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



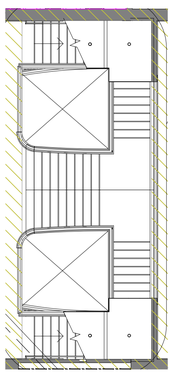
C1 / A-201 A-101 SECOND FLOOR PLAN

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



C1 / A-201 A-101 THIRD FLOOR PLAN

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



Section 1019.3 - In other than Group I-2, I-2.1, I-3, and R-2.1 occupancies, floor openings containing exit access stairways or ramps that do not comply with one of the conditions listed in this section shall be enclosed with a shaft enclosure constructed in accordance with Section 713

Exceptions:

4. Exit access stairways and ramps in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, where the area of the vertical opening between stories does not exceed twice the horizontal projected area of the stairway or ramp and the opening is protected by a draft curtain and closely spaced sprinklers in accordance with NFPA 13. In other than Group B and M occupancies, this provision is limited to openings that do not connect more than four stories.

Area of vertical opening: 548 SF
Projected area of stairway: 455 SF
2 x 455 = 910 > 548 THEREFORE OK

1 / A-201 A-101 GRAND STAIR PROJECTION AREA

SCALE - 1/8" = 1'-0"

LEVEL 1 EGRESS SUMMARY

OCCUPANT LOAD	255 OCCUPANTS	
MERCANTILE	15037 SF	
OLF	60 SF/OCC	**(251)**
STORAGE	830 SF	
OLF	300 SF/OCC	**(3)**
BUSINESS	137 SF	
OLF	100 SF/OCC	**(1)**

EXIT CAPACITY: 330 OCCUPANTS

LEVEL 2 EGRESS SUMMARY

OCCUPANT LOAD	248 OCCUPANTS	
MERCANTILE	12662 SF	
N. TERRACE	991 SF	
S. TERRACE	991 SF	
	14644 SF	
OLF	60 SF/OCC	**(244)**
STORAGE	512 SF	
OLF	300 SF/OCC	**(2)**
BUSINESS	175 SF	
OLF	100 SF/OCC	**(2)**

EXIT CAPACITY: 322 OCCUPANTS

LEVEL 3 EGRESS SUMMARY

OCCUPANT LOAD	290 OCCUPANTS	
MERCANTILE	868 SF	
TERRACE MERCANTILE	4296 SF	
	5164 SF	
OLF	60 SF/OCC	**(86)**
STORAGE	266 SF	
OLF	300 SF/OCC	**(1)**
ASSEMBLY	2793 SF	
OLF	15 SF/OCC	**(186)**
KITCHEN	3420 SF	
OLF	200 SF/OCC	**(17)**

EXIT CAPACITY: 322 OCCUPANTS

LEGEND

- 1-HR FIRE RATING
- GROSS FLOOR AREA
- MERCANTILE
- OUTDOOR SALES/MERCANTILE
- STORAGE
- BUSINESS
- KITCHEN
- ASSEMBLY

MAX PERMITTED EGRESS DISTANCE =250 FT

ROOF TERRACE OPERATIONS STATEMENT

THE INTENT OF THE ROOF DESIGN IS TO PROVIDE RH CUSTOMERS WITH AN IMMERSIVE DINING EXPERIENCE IN A GLASS CONSERVATORY STRUCTURE, SURROUNDED BY AN OUTDOOR GARDEN TERRACE FILLED WITH OLIVE TREES.

THE OUTDOOR ROOF TERRACE WILL OPERATE AS A MERCANTILE SPACE DISPLAYING OUTDOOR FURNITURE FOR SALE. NO FOOD OR DINING EXPERIENCE WILL OCCUR IN THE OUTDOOR ROOF TERRACE GARDEN. RESTAURANT DINING WILL BE CONTAINED WITHIN THE GLASS STRUCTURE. CUSTOMERS WILL BE ALLOWED TO WALK AND BROWSE ALONG PAVED AREAS AND GRAVEL AREAS WHERE OUTDOOR FURNITURE IS DISPLAYED.

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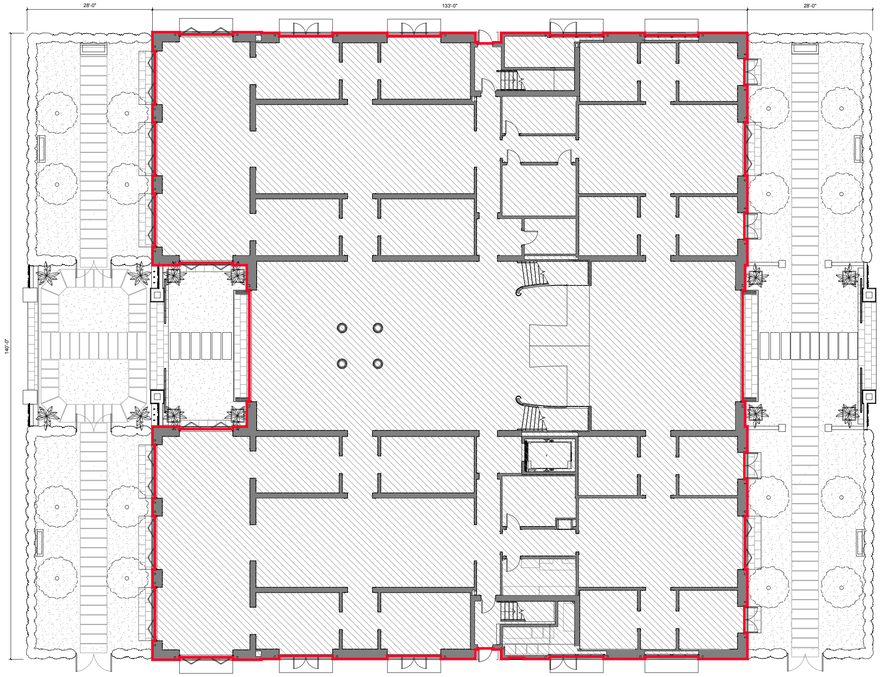
LIFE SAFETY PLAN

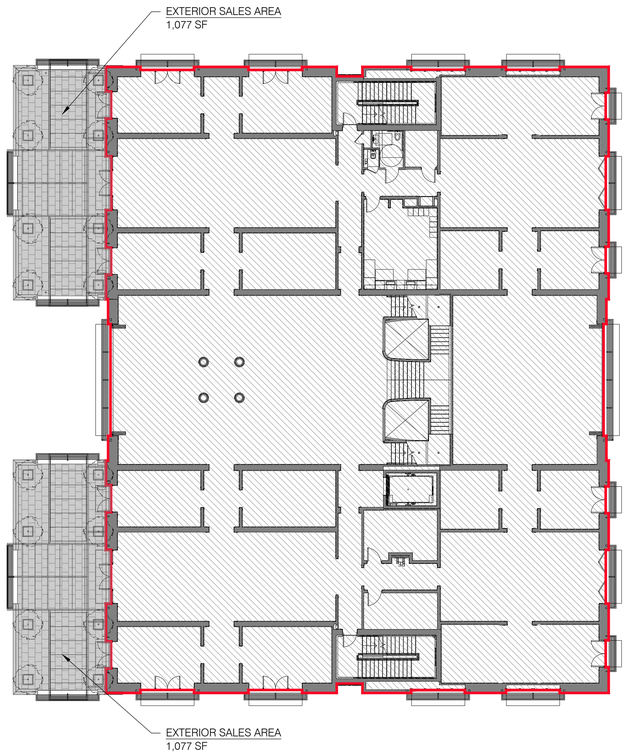
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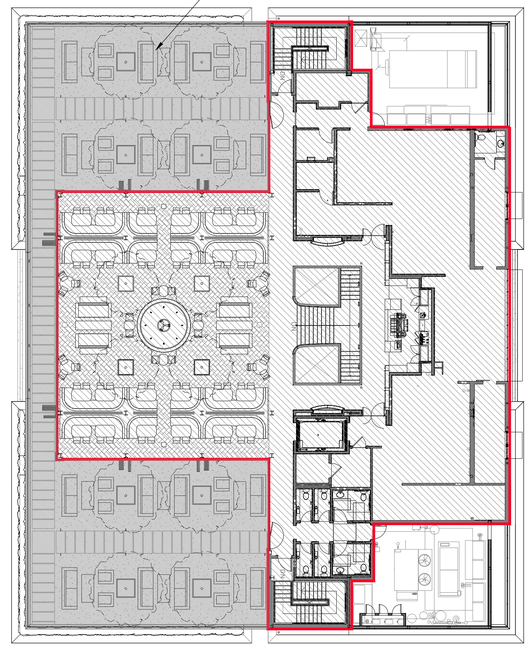
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SHEET NUMBER
A - RH5

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C1 / A-201 A-101 FIRST FLOOR PLAN
SCALE - 1/16" = 1'-0"

C1 / A-201 A-101 SECOND FLOOR PLAN
SCALE - 1/16" = 1'-0"

C1 / A-201 A-101 THIRD FLOOR PLAN
SCALE - 1/16" = 1'-0"

PROPOSED BUILDING FLOOR AREA:

FIRST FLOOR:	17,713 SQFT
SECOND FLOOR:	15,524 SQFT
THIRD FLOOR:	8,613 SQFT
TOTAL:	41,850 SQFT

PROPOSED MERCANTILE EXTERIOR FLOOR AREA:
(NO OUTDOOR DINING USE)

SECOND FLOOR:	
THIRD FLOOR:	2,154 SQFT
	4,541 SQFT
TOTAL:	6,695 SQFT

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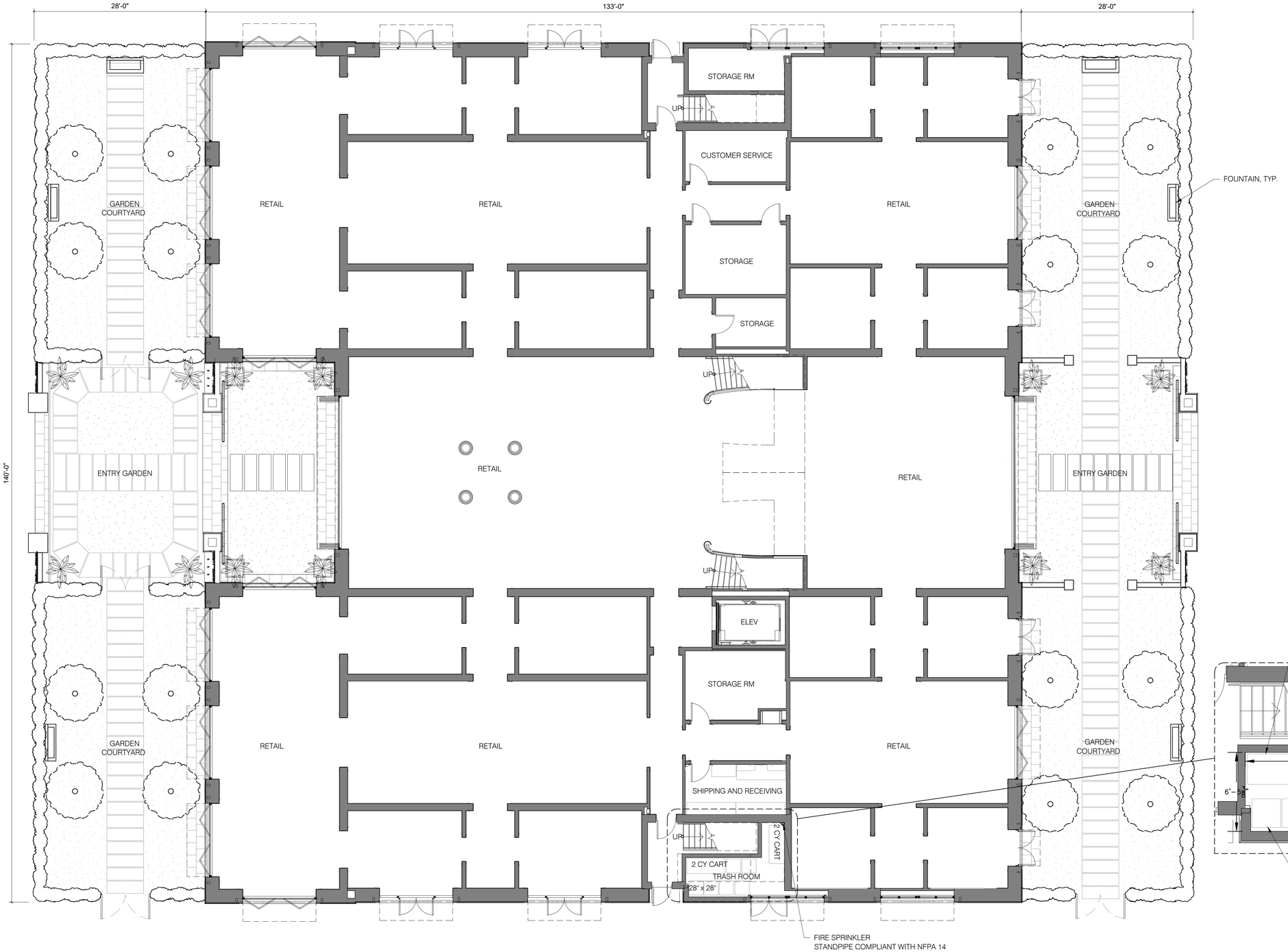
GROSS FLOOR AREA CALCULATION

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SHEET NUMBER
A - RH6

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LEVEL 1 FLOOR PLAN

SCALE - 1/8" = 1'-0"

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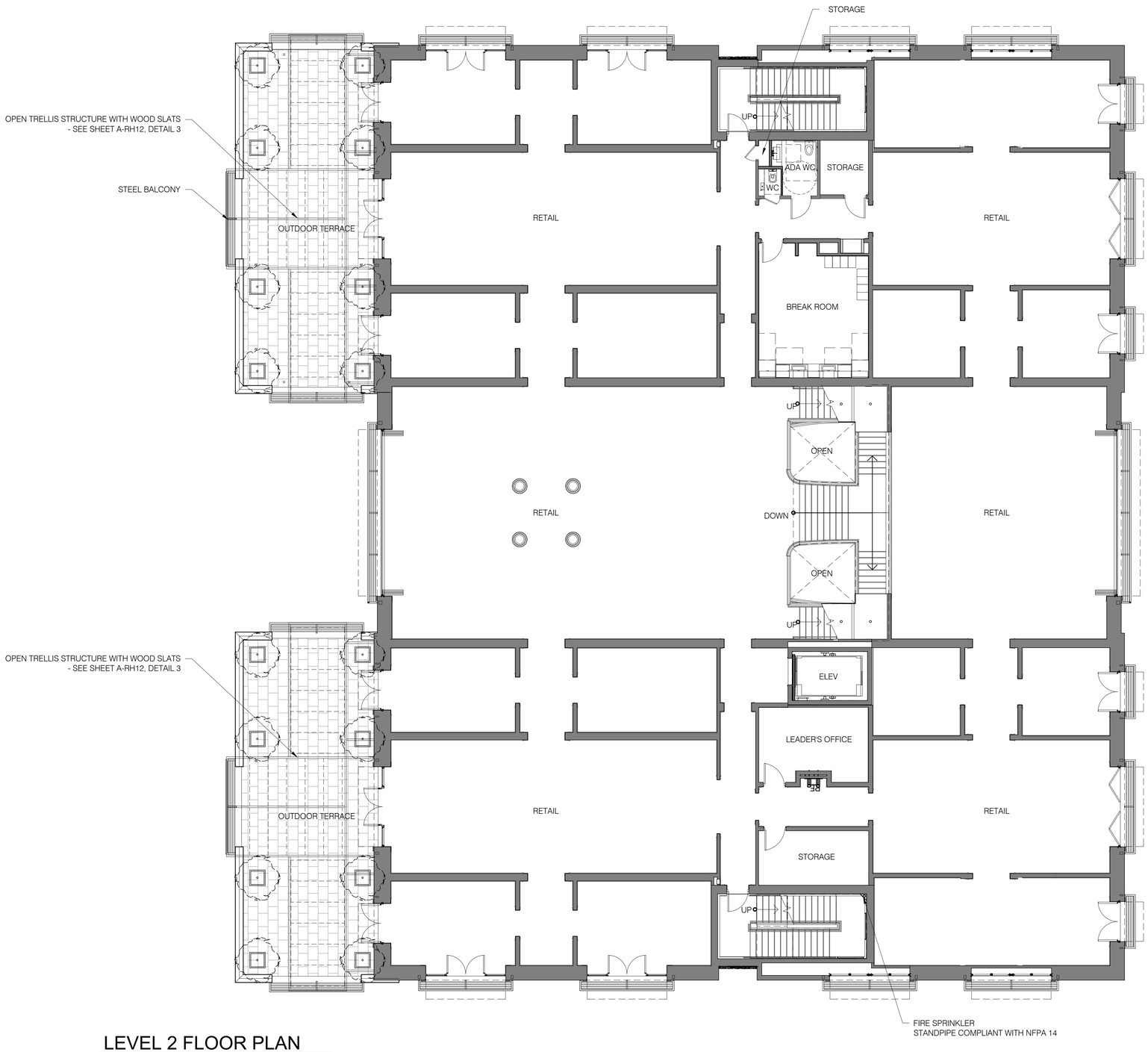
LEVEL 1 FLOOR PLAN

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SHEET NUMBER A - RH7

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LEVEL 2 FLOOR PLAN

SCALE - 1/8" = 1'-0"

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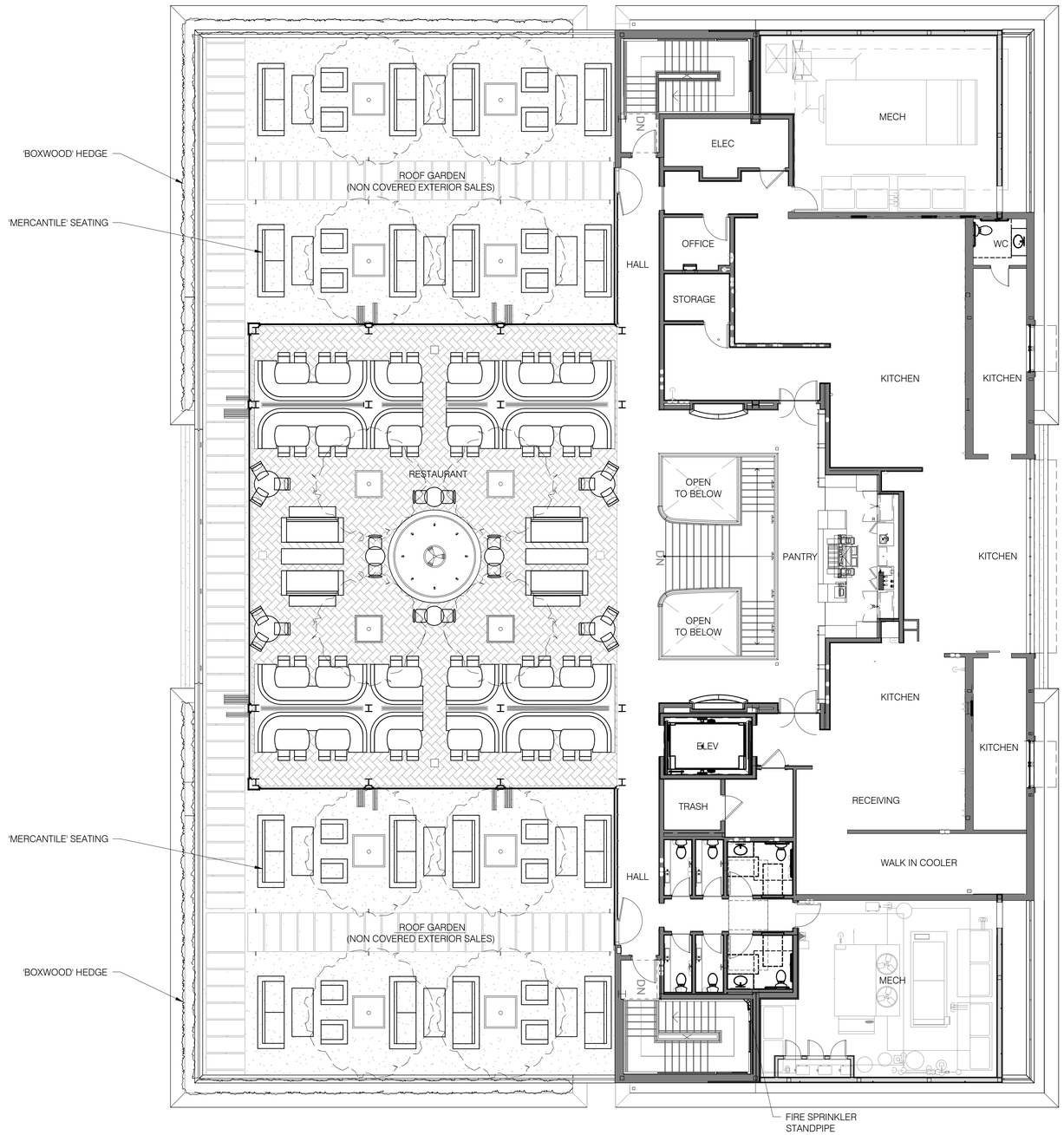
LEVEL 2 FLOOR PLAN

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LEVEL 3 FLOOR PLAN

SCALE - 1/8" = 1'-0"

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LEVEL 3 FLOOR PLAN

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A - RH9

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(A) DEDICATED OUTSIDE AIR SYSTEM

MANUFACTURER	MODEL NUMBER
AAON	RH-031-8-0-E619

CABINET SOUND POWER LEVELS*								
OCTAVE BANDS	63	125	250	500	1000	2000	4000	8000
DISCHARGE LW (dB)	92	90	91	93	89	87	84	80
RETURN (dB)	87	82	77	73	77	77	76	75

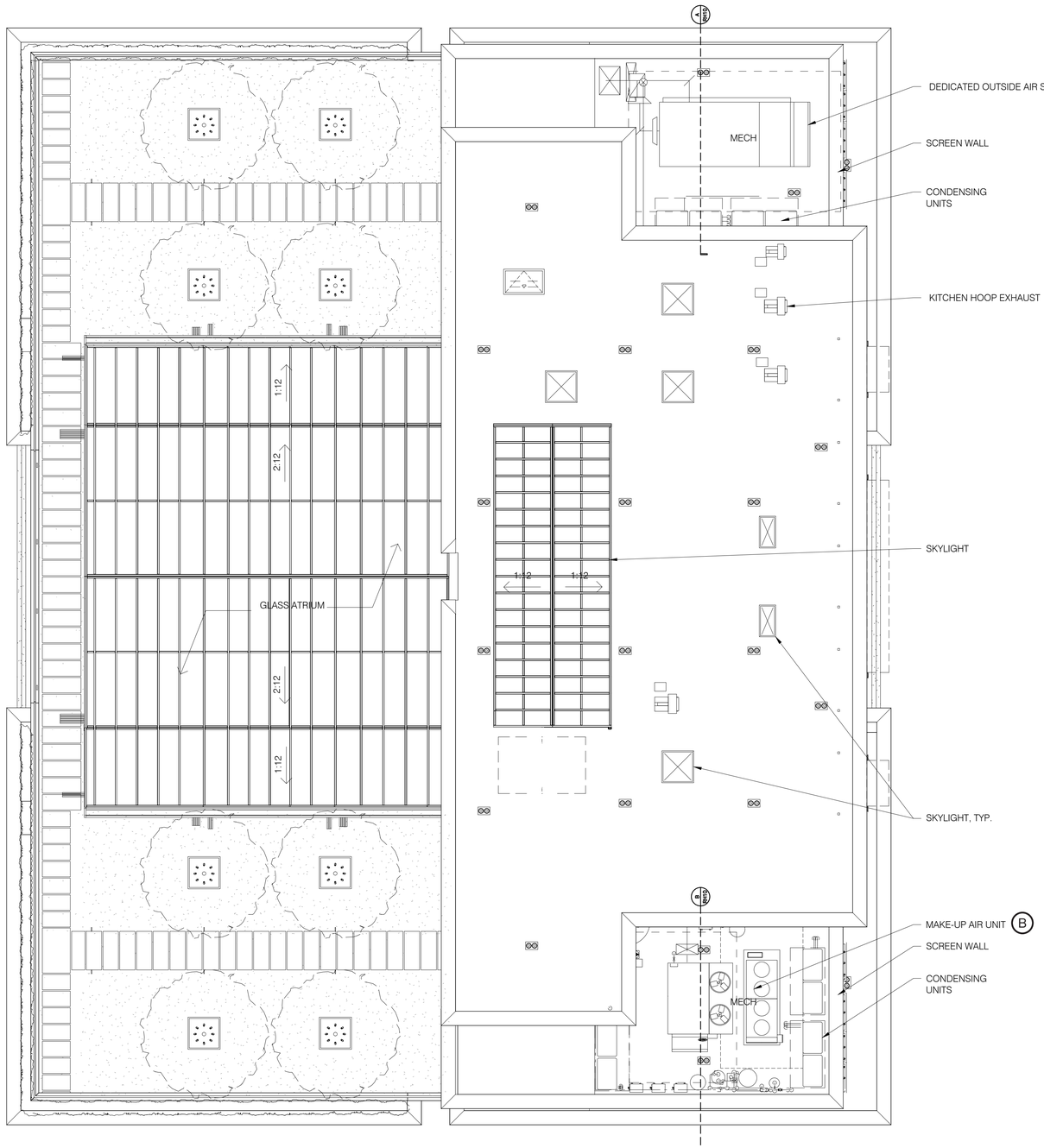
*SOUND POWER LEVELS ARE GIVEN FOR INFORMATION PURPOSES ONLY. THE SOUND LEVELS ARE NOT GUARANTEED.

(B) MAKE-UP AIR UNIT

MANUFACTURER	MODEL NUMBER
AAON	RNA-016-C-0-8-DB1L0

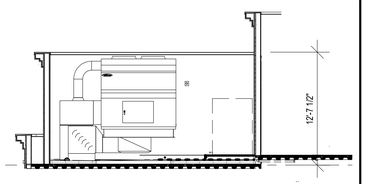
CABINET SOUND POWER LEVELS*								
OCTAVE BANDS	63	125	250	500	1000	2000	4000	8000
DISCHARGE LW (dB)	90	87	90	84	77	77	71	65
RETURN (dB)	79	73	75	66	62	57	51	39

*SOUND POWER LEVELS ARE GIVEN FOR INFORMATION PURPOSES ONLY. THE SOUND LEVELS ARE NOT GUARANTEED.



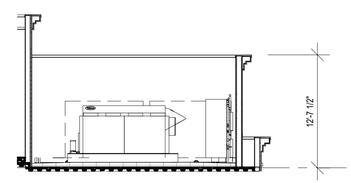
ROOF PLAN

SCALE - 1/8" = 1'-0"



SECTION A

SCALE - 1/8" = 1'-0"



SECTION B

SCALE - 1/8" = 1'-0"

No.	REVISIONS	DATE	BY

RH

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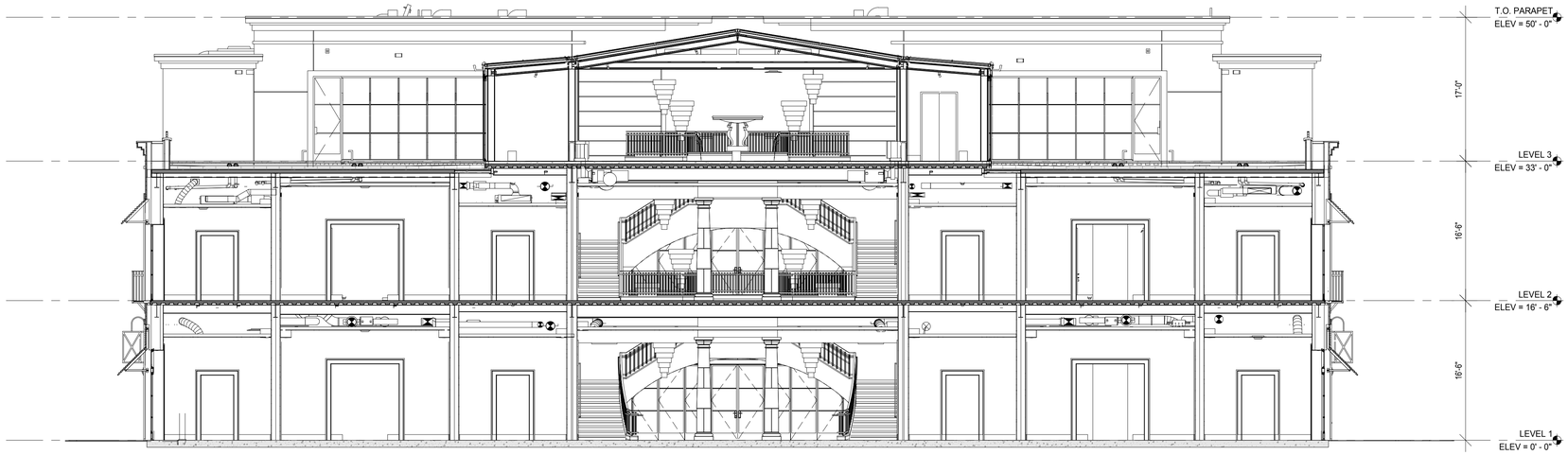
ROOF PLAN

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

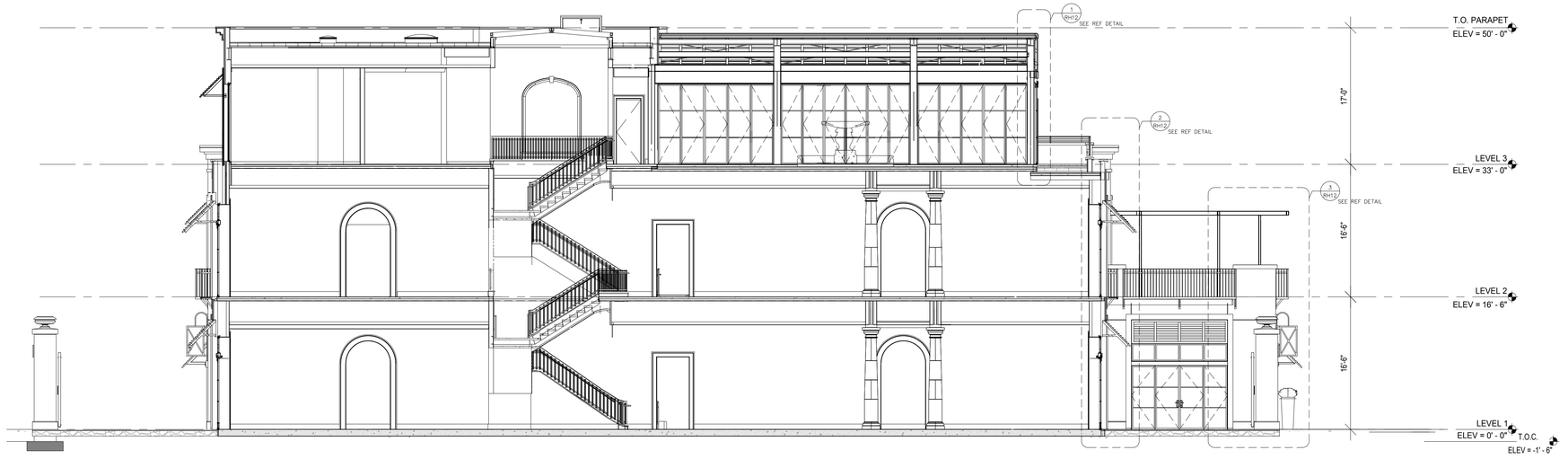
SHEET NUMBER
A - RH10

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N/S SECTION THRU CAFE

SCALE - 1/8" = 1'-0"



E/W SECTION THRU CAFE

SCALE - 1/8" = 1'-0"

No.	REVISIONS	DATE	BY

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BUILDING SECTIONS

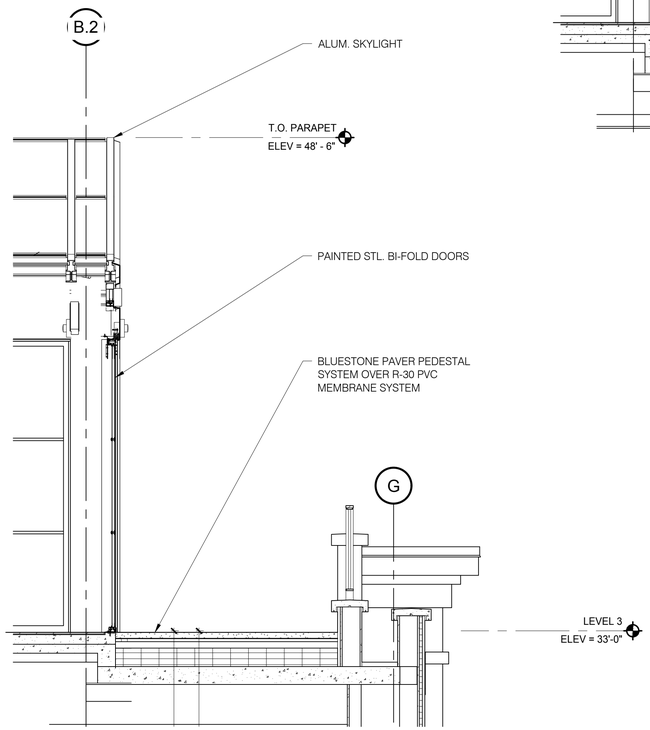
PLANNING APPLICATION NO. 19PLN - 00110

DATE

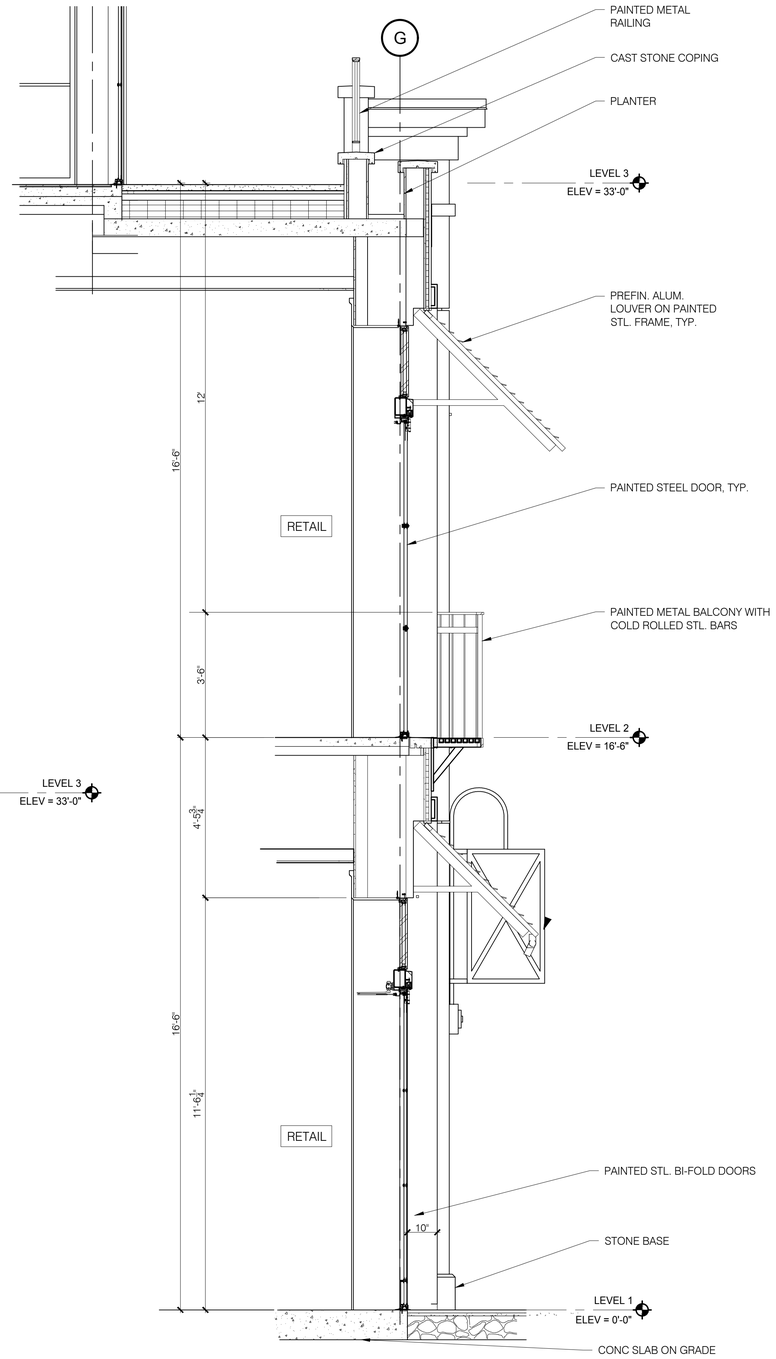
NOVEMBER 06, 2019

SHEET NUMBER

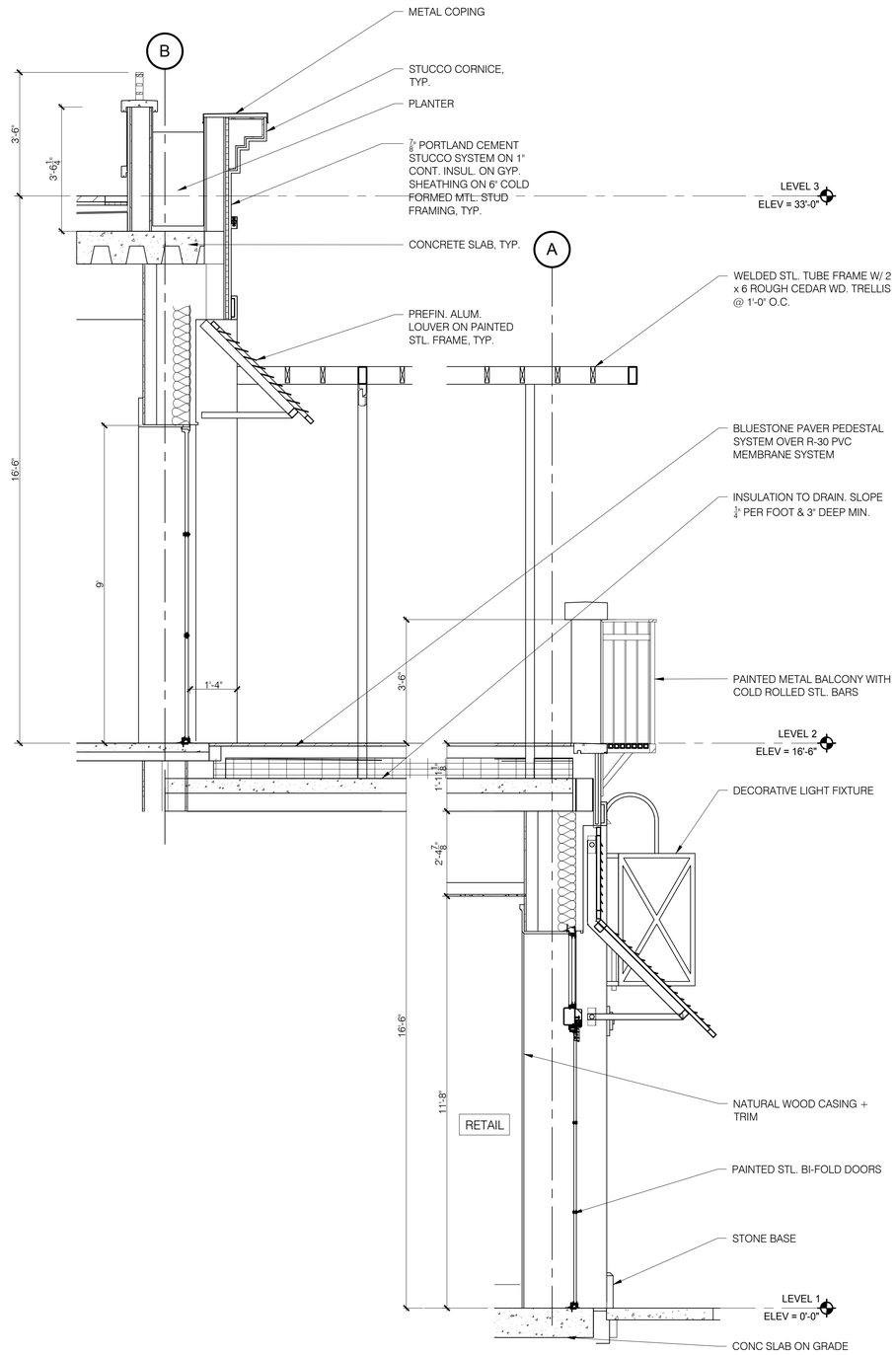
A - RH11



1 WALL SECTION @ 3RD FLR. CAFE
SCALE - 1/2" = 1'-0"



2 WALL SECTION @ ENTRY
SCALE - 1/2" = 1'-0"



3 WALL SECTION @ LOGGIA
SCALE - 1/2" = 1'-0"

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DETAILED WALL SECTIONS

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19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH12



EAST ELEVATION

SCALE - 1/8" = 1'-0"



WEST ELEVATION

SCALE - 1/8" = 1'-0"

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BUILDING ELEVATIONS

PLANNING
APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH13

Plotted By:Christianne Davis Sheet Set:Kha Layout:A13 May 09, 2019 04:44:40pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA, Palo Alto\01-Design\04-AOR\baseFiles\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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SOUTH ELEVATION

SCALE - 1/8" = 1'-0"



NORTH ELEVATION

SCALE - 1/8" = 1'-0"

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BUILDING ELEVATIONS

PLANNING APPLICATION NO.
19PLN - 00110

DATE
1 NOVEMBER 06, 2019

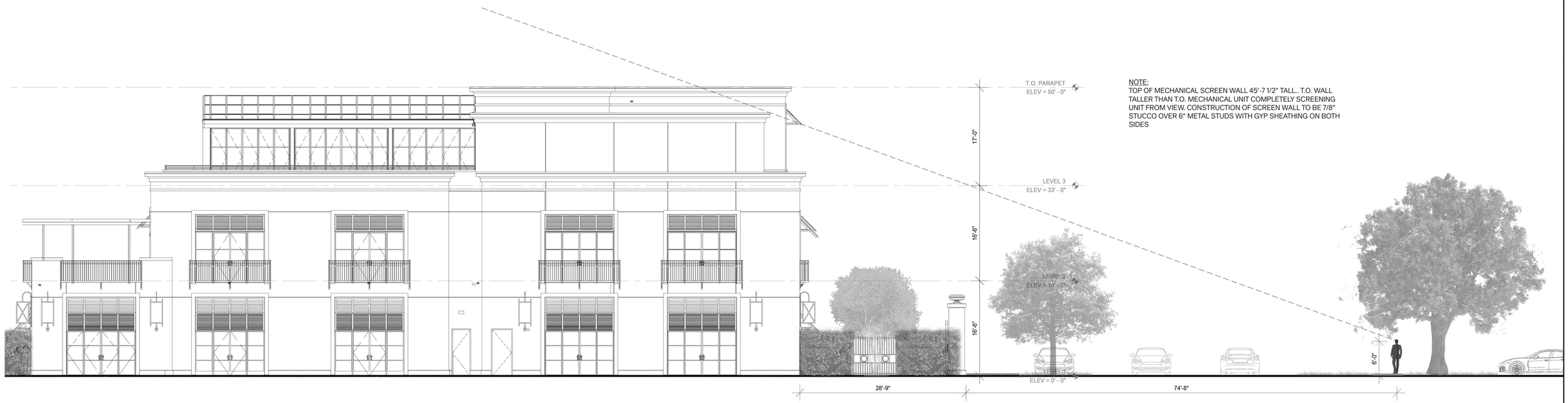
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WEST ELEVATION

SCALE - 1/8" = 1'-0"



NOTE:
TOP OF MECHANICAL SCREEN WALL 45'-7 1/2" TALL.. T.O. WALL TALLER THAN T.O. MECHANICAL UNIT COMPLETELY SCREENING UNIT FROM VIEW. CONSTRUCTION OF SCREEN WALL TO BE 7/8" STUCCO OVER 6" METAL STUDS WITH GYP SHEATHING ON BOTH SIDES

SOUTH ELEVATION

SCALE - 1/8" = 1'-0"

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MECHANICAL SIGHT LINE DIAGRAMS

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

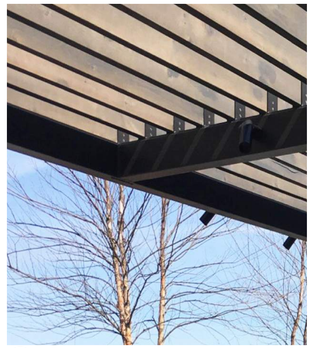
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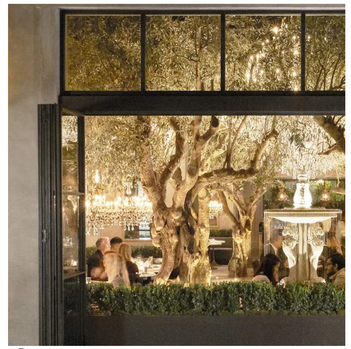
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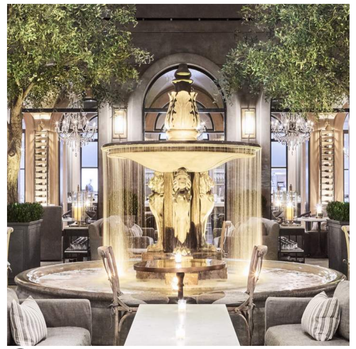

A


B


C

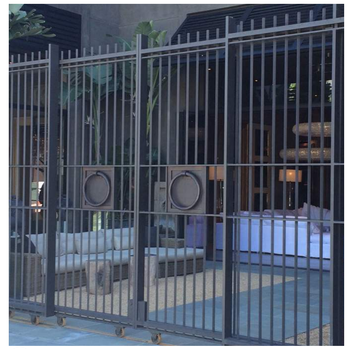

D


E

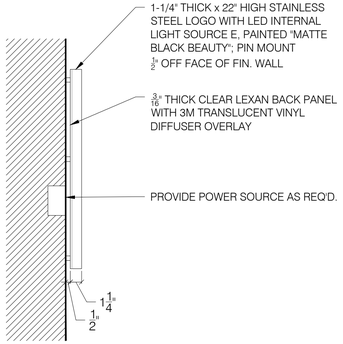

F


G

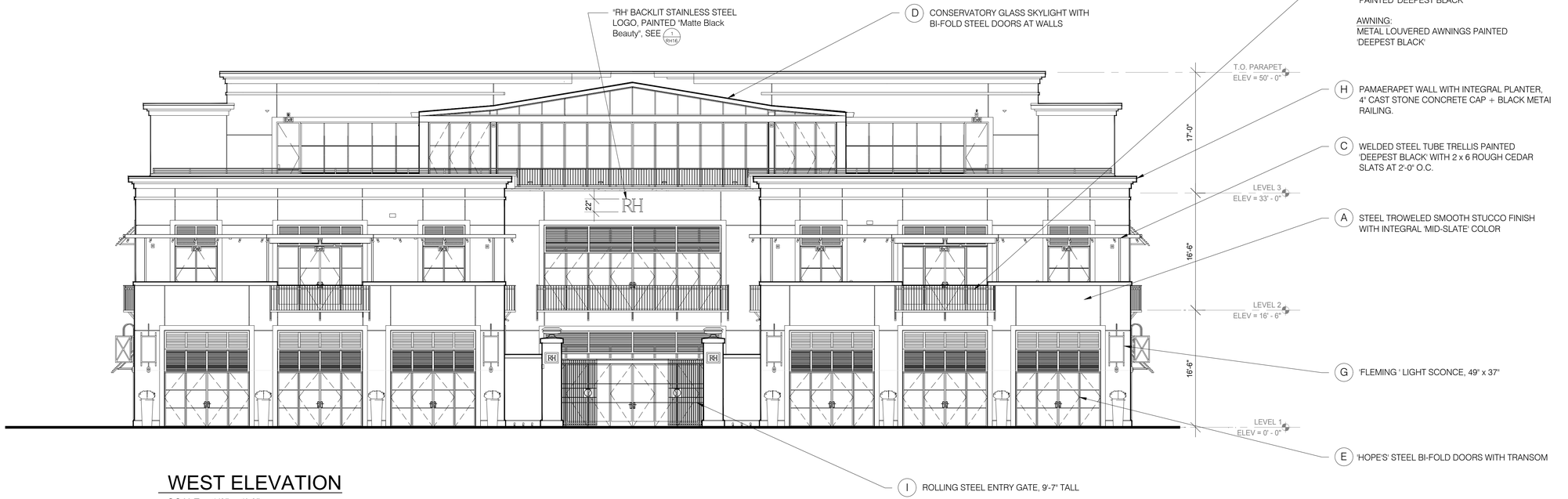

H


I


J



1 SIGNAGE DETAIL
SCALE - 1 ½" = 1'-0"



WEST ELEVATION
SCALE - 1/8" = 1'-0"

No.	REVISIONS	DATE	BY

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SCHEMATIC DETAILS

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH16



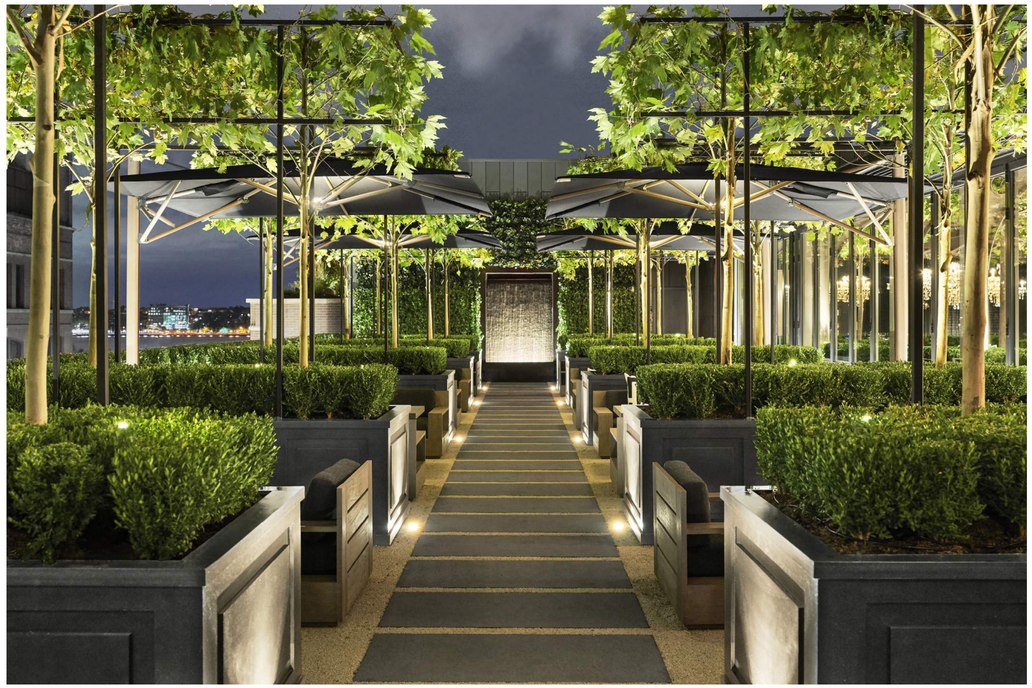
RH MELROSE



RH WEST PALM BEACH



RH PORTLAND



RH NEW YORK

No.	REVISIONS	DATE	BY

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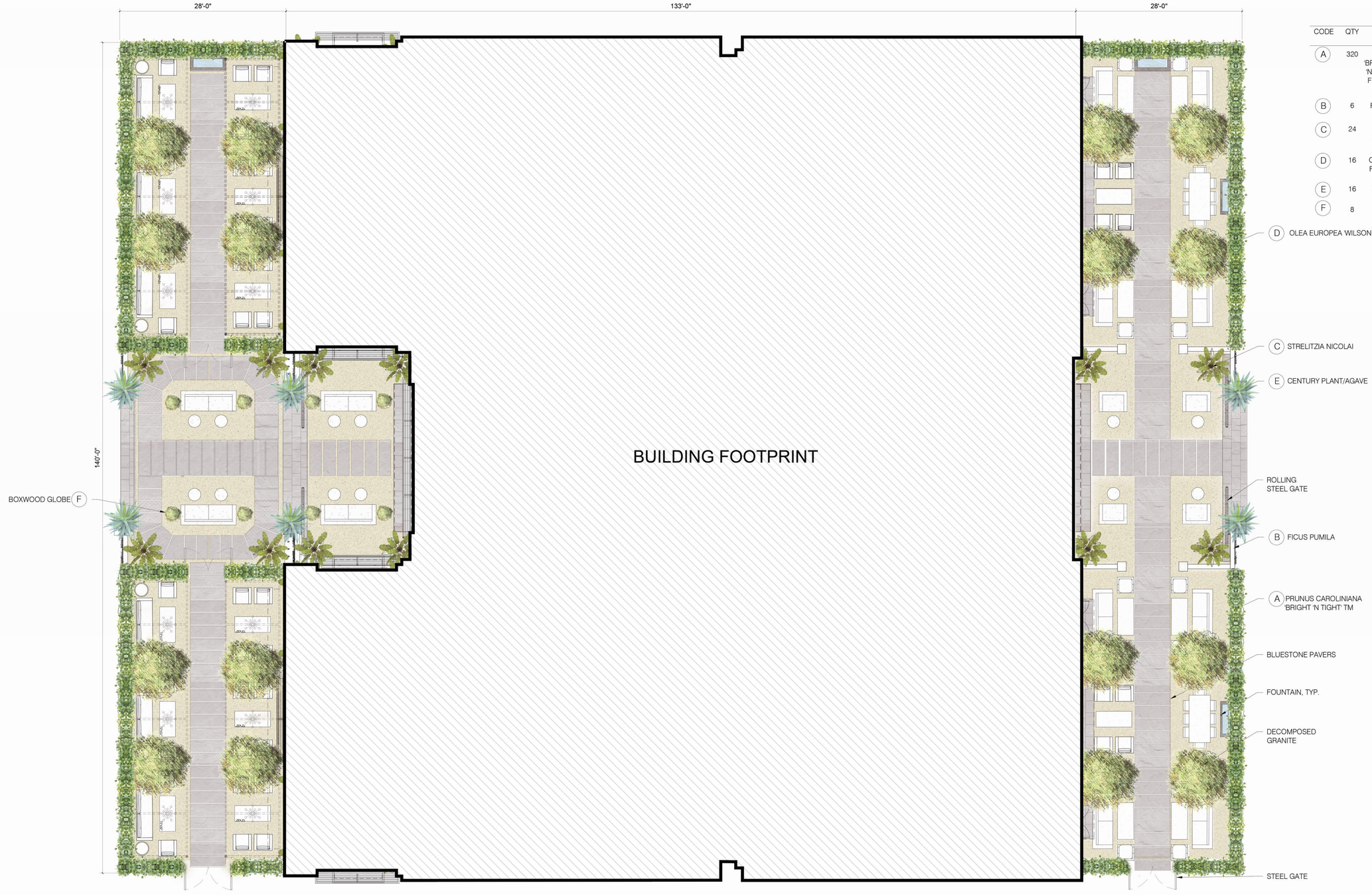
ROOFTOP DESIGN PRECEDENTS

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH17

Plotted By:Christianne Davis Sheet Set:Kha Layout:A17 May 09, 2019 04:45:25pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA, Palo Alto\01-Design\04-AGR\baseflies\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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LANDSCAPE LEGEND

CODE	QTY	BOTANICAL NAME/ COMMON NAME	HEIGHT/SPREAD
A	320	PRUNUS CAROLINIANA 'BRIGHT 'N TIGHT' TM/BRIGHT 'N TIGHT CAROLINA LAUREL FULL TO BASE, CONTRACT GROWN HEDGE	24" O.C. BOX
B	6	FICUS PUMILA/CREEPING FIG	18" O.C.
C	24	STRELITZIA NICOLAI/GIANT BIRD OF PARADISE	6'-8" H x 3'-5" SPR.
D	16	OLEA EUROPEA 'WILSONI'/ FRUITLESS WILSON OLIVE MULTI - TRUNK	12'-15" H, 8'-10" SPR.
E	16	CENTURY PLANT/AGAVE	3'-5" SPR.
F	8	BOXWOOD GLOBE	12" DIA.

SITE LANDSCAPE PLAN

SCALE - 1/8" = 1'-0"

No.	REVISIONS	DATE	BY

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SITE LANDSCAPE PLAN

PLANNING APPLICATION NO. 19PLN - 00110

DATE NOVEMBER 06, 2019

SHEET NUMBER A - RH18

Plotted By:Christianne Davis Sheet Set:Kha Layout:A1B May 09, 2019 04:45:35pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA, Palo Alto\01-Design\04-AOR\baseFiles\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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LANDSCAPE LEGEND

CODE	QTY	BOTANICAL NAME/ COMMON NAME	HEIGHT/SPREAD
A	200	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET/HUNTINGTON CARPET ROSEMARY	18" O.C. BOX
B	16	STRELITZIA NICOLAI/GIANT BIRD OF PARADISE	6'-8" H x 3'-5" SPR.
C	8	OLEA EUROPEA 'WILSONI'/ FRUITLESS WILSON OLIVE MULTI - TRUNK	12'-15" H, 8'-10" SPR.

NOTE:

THE INTENT OF THE ROOF DESIGN IS TO PROVIDE RH CUSTOMERS WITH AN IMMERSIVE DINING EXPERIENCE IN A GLASS CONSERVATORY STRUCTURE, SURROUNDED BY AN OUTDOOR GARDEN TERRACE FILLED WITH OLIVE TREES.

THE OUTDOOR ROOF TERRACE WILL OPERATE AS A MERCANTILE SPACE DISPLAYING OUTDOOR FURNITURE FOR SALE. NO FOOD OR DINING EXPERIENCE WILL OCCUR IN THE OUTDOOR ROOF TERRACE GARDEN. RESTAURANT DINING WILL BE CONTAINED WITHIN THE GLASS STRUCTURE. CUSTOMERS WILL BE ALLOWED TO WALK AND BROWSE ALONG PAVED AREAS AND GRAVEL AREAS WHERE OUTDOOR FURNITURE IS DISPLAYED.

BUILDING LANDSCAPE PLAN

SCALE - 1/8" = 1'-0"

No.	REVISIONS	DATE	BY

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BUILDING LANDSCAPE PLAN

PLANNING APPLICATION NO. 19PLN - 00110

DATE

NOVEMBER 06, 2019

SHEET NUMBER

A - RH19

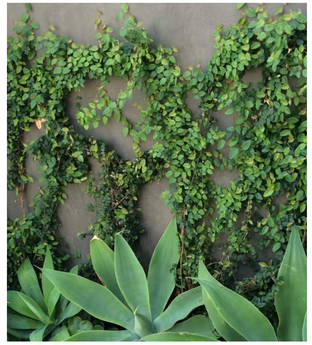
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SITE LANDSCAPE PLAN PLANT PALETTE DETAILS



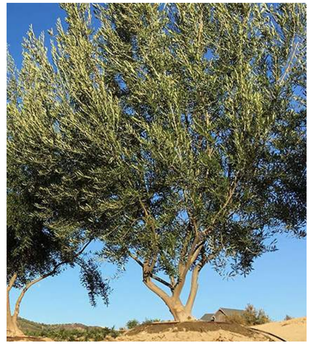
A PRUNUS CAROLINIANA / 'BRIGHT 'N TIGHT' TM / BRIGHT 'N TIGHT CAROLINA LAUREL, FULL TO BASE, CONTRACT GROWN HEDGE



B FICUS PUMILA / CREEPING FIG



C STRELITZIA NICOLAI / GIANT BIRD OF PARADISE



D OLEA EUROPEA 'WILSONI' / FRUIT



E CENTURY PLANT / AGAVE



F BOXWOOD GLOBE

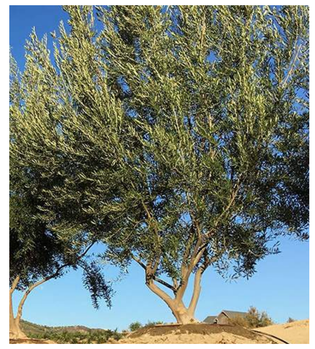
BUILDING LANDSCAPE PLAN PLANT PALETTE DETAILS



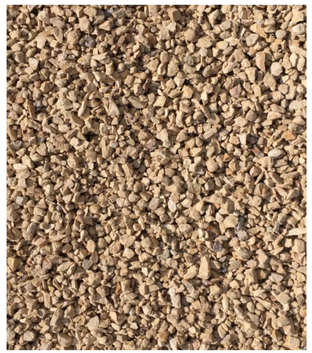
A ROSMARINUS OFFICINALIS / 'HUNTINGTON CARPET'/ ROSEMARY HUNTINGTON CARPET



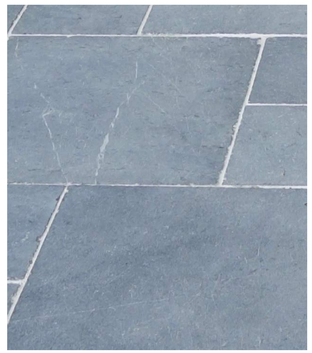
B STRELITZIA NICOLAI / GIANT BIRD OF PARADISE



C OLEA EUROPEA 'WILSONI' / FRUIT

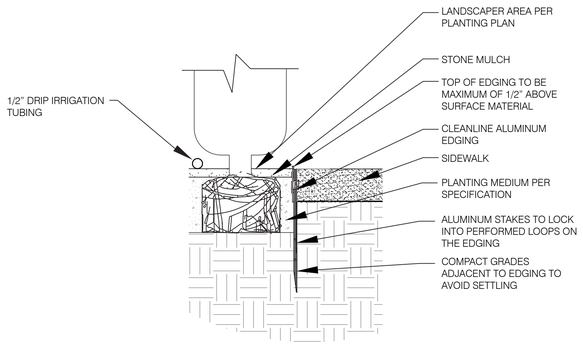


DECOMPOSED GRANITE



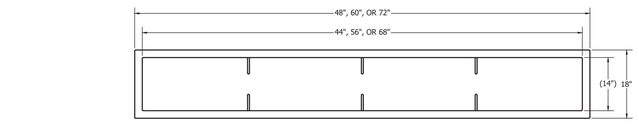
BLUESTONE PAVER

SITE LANDSCAPE IRRIGATION DETAILS



SECTION AT HEDGE

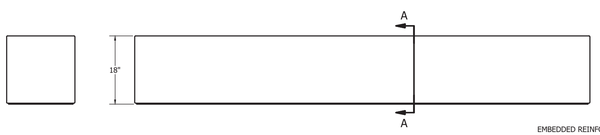
GREEN WALL DETAILS



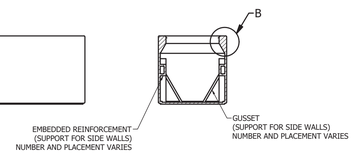
PLAN



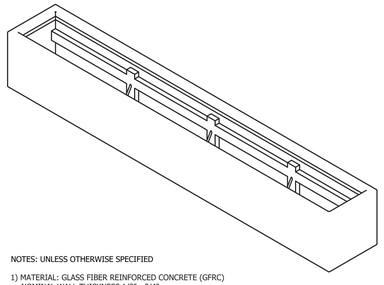
DETAIL B



ELEVATION



SECTION

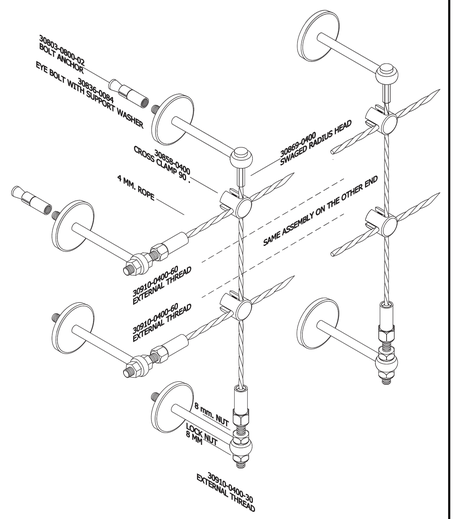


NOTES: UNLESS OTHERWISE SPECIFIED

1) MATERIAL: GLASS FIBER REINFORCED CONCRETE (GFRC) NOMINAL WALL THICKNESS 1/2" - 3/4"
2) ALL DIMENSIONS ARE NOMINAL, ACTUAL SIZE MAY VARY.

COLOR: SMOKE (PMS 420)

TEXTURE: T-0



No.	REVISIONS	DATE	BY

RH

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LANDSCAPE DETAILS

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH20

					Plan Sheet, Spec or Attachment Reference	Compliance Path Verification							
						Plan Check		Rough GB Inspection IVR # 152		Final Inspection IVR # 153			
										Part 1	Part 1	Part 2	Part 2
5.1 Planning and Design		**Code Section**	**Y**	**N**		CORR	INITIAL	CORR	INITIAL	CORR	INITIAL	CORR	INITIAL
Mandatory	**Mandatory**	Storm water pollution prevention	5.106.1	X		□							
	Mandatory	Local storm water pollution prevention	PAMC 16.14.290/ 5.106.1.1	X		□							
	Mandatory	Best management practices	5.106.1.2	X		□							
	Mandatory	Bicycle parking	PAMC 18.54.060/ 5.106.4	X									
	Mandatory	Short term bicycle parking	5.106.4.1.1	X		□				□		□	
	Mandatory	Long term bicycle parking	5.106.4.1.2	X		□				□		□	
	Mandatory	(Bicycle) Parking stall markings	5.106.5.2.1	X									
	Tier 2 Mand.	Designated parking - 12% of Parking Capacity	A5.106.5.1.2	X						□		□	
	Tier 2 Mand.	Electric Vehicle (EV) Charging for Non-Residential Structures (EVSE) [N]- New Construction, Shall provide Conduit Only, EVSE-Ready Outlet, or EVSE Installed for at least 25% of parking spaces, among which at least 5% (and no fewer than one) shall be EVSE Installed.	PAMC 16.14.430/ A5.106.5.3.2	X				See EVSE Checklist					
	Mandatory	Light pollution reduction	PAMC 16.14.295/ 5.106.8	X		□				□		□	
	Mandatory	Grading and paving (exception for additions and alterations not altering the drainage path)	5.106.10	X		□		PW					
	Tier 2 Mand.	Cool roof for reduction of heat island effect: SRI of 82 ≤ 2:12 and SRI of 27 > 2:12	A5.106.11.2	X		□				□			
Electives (choose 3)	**Electives**	Community connectivity	A5.103.1		X	□							
	Electives	Brownfield or greyfield site redevelopment or infill area development	A5.103.2		X	□							
	Electives	Reduce development footprint and optimize open space	A5.104.1	X		□							
	Electives	Existing building structure (75%)	A5.105.1.1		X	□							
	Electives	Existing non-structure elements (50%)	A5.105.1.2		X	□							
	Electives	Salvage	A5.105.1.3		X	□							
	Electives	Storm water runoff rate and quantity	A5.106.2.1			□							
	Electives	Storm water runoff quality	A5.106.2.2			□							
	Electives	Low impact development (LID)	A5.106.3			□							
	Electives	Greyfield or infill site	A5.106.3.2			□							
	Electives	Changing rooms	A5.106.4.3	X		□							
	Electives	Parking capacity	A5.106.6			□							
	Electives	Reduce parking capacity	A5.106.6.1			□							
	Electives	Exterior wall shading: Fenestration- East and west walls	A5.106.7.1.1	X		□							
	Electives	Exterior wall shading: Fenestration- South walls	A5.106.7.1.2	X		□							
	Electives	Exterior wall shading: Opaque wall areas	A5.106.7.2			□							
	Electives	Heat island effect: Hardscape alternatives and cool roof reduction	A5.106.11			□							
	Electives	Heat island effect: Cool roof for reduction of heat island	A5.106.11.2										
	Electives	Heat island effect: Solar reflectance	A5.106.11.2.1			□							
	Electives	Heat island effect: Thermal emittance	A5.106.11.2.2			□							
	Electives	Heat island effect: Solar reflectance index alternative	A5.106.11.2.3			□							
PAMC 16.17 Energy Reach Code													
Mandatory	**Mandatory or**	Option 1: Performance approach specified within the 2016 California Energy Code shall be used to demonstrate that the TDV Energy of proposed non-residential construction is at least: Ten percent less than TDV energy of the Standard Design if the proposed building does not include a photovoltaic system or includes a photovoltaic system smaller than 5kW.	PAMC 16.17.050/ Title 24, Part 6			□		See Energy Ace Checklist					
	Mandatory	Option 2: Performance approach specified within the 2016 California Energy Code shall be used to demonstrate that the TDV Energy of proposed non-residential construction is at least: Equal to the TDV Energy of the Standard Design if the proposed building includes a 5kW or greater photovoltaic system.	PAMC 16.17.050/ Title 24, Part 6			□		See Energy Ace Checklist					
	Mandatory	Energy Star portfolio manager- All new construction or renovation projects greater than $100,000 in value	PAMC 16.14.380/ 5.410.4.6							□	□	□	□
	Mandatory	Performance Review- For projects over 10,000 SF	PAMC 16.14.390/ 5.410.4.7			□				□	□	□	□
5.3 Water Efficiency and Conservation													
Mandatory	**Mandatory**	Meters	5.303.1	X		□		□					
	Mandatory	New buildings or additions in excess of 50,000 square feet	5.303.1.1		X	□		□					
	Mandatory	Excess consumption (Submeters for additions that consume over 1,000 gal/ day)	5.303.1.2		X	□		□					
	Tier 2 Mand.	Water Reduction- 20% savings over the "water use baseline" Table A5.303.2.3.1	A5.303.2.3.2	X						□		□	
	Mandatory	Indoor Water Use: Water closets (shall not exceed 1.28 gallons per flush)	5.303.3.1		X	□				□		□	
	Mandatory	Indoor Water Use: Wall-mounted urinals (0.125gpf)	5.303.3.2.1		X								
	Mandatory	Indoor Water Use: Floor-mounted urinals (0.5 gpf)	5.303.3.2.2		X	□				□		□	
	Mandatory	Indoor Water Use: Single showerhead (1.8 gpm at 80 psi)	5.303.3.3.1		X	□				□		□	
	Mandatory	Indoor Water Use: Multiple showerheads serving one shower (flow rate of 1.8 gpm at 80 psi)	5.303.3.3.2	X		□				□		□	
	Mandatory	Indoor Water Use: Nonresidential lavatory faucets (0.5 gpm at 60 psi)	5.303.3.4.1	X		□				□		□	
	Mandatory	Indoor Water Use: Kitchen faucets (1.8 gpm at 60 psi)	5.303.3.4.2	X		□				□		□	
	Mandatory	Indoor Water Use: Wash fountains (1.8 gpm at 60 psi)	5.303.3.4.3	X		□				□		□	
	Mandatory	Indoor Water Use: Metering faucets (0.2 gallons/ cycle)	5.303.3.4.4	X		□				□		□	
	Mandatory	Indoor Water Use: Metering faucets for wash fountains (0.2 gallons/ cycle)	5.303.3.4.5	X		□				□		□	
	Mandatory	Commercial kitchen equipment	5.303.4	X									
	Mandatory	Food waste disposers	5.303.4.1	X		□				□		□	
	Mandatory	Indoor water use: Areas of addition or alteration	5.303.5	X		□							
	Mandatory	Dual plumbing	PAMC 16.14.300/ 5.303.5	X		□				□		□	
	Mandatory	Indoor Water Use: Standards for plumbing fixtures and fittings (2016 Cal Plumbing Code)	5.303.6	X		□				□		□	
	Mandatory	Outdoor Water Use : Landscape areas ≥ 500 SF	Title 23, Chapter 2.7/ 5.304.1	X		□				□		□	
	Mandatory	Outdoor Water Use : Rehabilitated landscape projects ≥ 2,500 SF	Title 23, Chapter 2.7/ 5.304.3		X	□				□		□	
	Mandatory	Outdoor Water Use: Landscape areas of ≤ 2,500 SF	5.304.4	X		□				□		□	
	Mandatory	Outdoor Water Use: Graywater or Rainwater Use: Landscape areas ≤ 2,500 SF	5.304.5	X		□				□		□	
	Mandatory	Potable water elimination	PAMC 16.14.350/ 5.304.5	X		□				□		□	
	Mandatory	New construction; recycled water use for irrigation (See recycled water ordinance # 5002, of PAMC 16.12)	PAMC 16.12.030	X		□				□		□	
	Mandatory	Invasive species prohibited	PAMC 16.14.360/ 5.304.6	X		□				□		□	
	Mandatory	Non-residential enhanced water budget	5.305.1	X		□				□		□	
Electives (3)	**Electives**	Indoor water use: 25% reduction	A5.303.2.3.3		X								
	Electives	Nonpotable water systems for indoor water use	A5.303.2.3.4		X								
	Electives	Appliances and fixtures for commercial application	A5.303.3	X		□				□		□	
	Electives	Nonwater supplied urinals	A5.303.4.1		X								
	Electives	Outdoor Water Use: Restoration of areas disturbed by construction	A5.304.6		X	□							
	Electives	Outdoor Water Use: Previously developed sites: restore or protect 50 % of site area	A5.304.7		X								
	Electives	Outdoor Water Use: Graywater irrigation system	A5.304.8	X		□				□		□	
	Electives	Nonpotable water systems	A5.305.1		X								
	Electives	Irrigation system	A5.305.2	X		□				□		□	
5.4 Material Conservation and Resource Efficiency													
Mandatory	**Tier 2 Mand.**	Recycled content: Use materials with a total recycled content of 15%	A5.405.4	X		□				□			
	Mandatory	Weather protection	5.407.1	X		□		See Foundation inspection checklist					
	Mandatory	Moisture control: Sprinklers	5.407.2.1	X		□				□			
	Mandatory	Moisture control: Entries + Openings	5.407.2.2	X		□				□			
	Mandatory	Moisture control: Exterior door protection	5.407.2.2.1	X		□				□			
	Mandatory	Moisture control: Flashing	5.407.2.2.2	X		□				□			
	Mandatory	Construction waste management	5.408.1	X		□							
	Mandatory	Construction waste management plan	5.408.1.1	X		□							
	Mandatory	Waste management company	5.408.1.2	X		□							
	Mandatory	Waste stream reduction alternative	5.408.1.3	X		□							
	Mandatory	Documentation: Construction waste management plan, waste management company, waste stream reduction alternative	5.408.1.4	X		□							
	Mandatory	Excavated soil and land clearing debris (100% reuse or recycle)	5.408.3	X		□							
	Tier 2 Mand.	Enhanced construction waste reduction (80% diversion rate for projects exceeding $25,000 in value; 65% diversion rate for projects less than $25,000)	PAMC 16.14.370/ A5.408.3.1.1	X				See www.greenhalosystems.com					
	Mandatory	Recycling by occupants	5.410.1	X		□							
	Mandatory	Commissioning (≥ 10,000 SF) [N]	5.410.2	X		□		□		□			
	Mandatory	Commissioning plan [N]	5.410.2.3	X		□							
	Mandatory	Functional performance testing [N]	5.410.2.4	X									
	Mandatory	Documentation and Training: Systems manual	5.410.2.5	X									
	Mandatory	Documentation and Training: Systems operations training [N]	5.410.2.5.2	X									
	Mandatory	Commissioning report [N]	5.410.2.6	X									
	Mandatory	Testing and adjusting for [N] buildings < 10,000 SF or new systems that serve additions or alterations [AA]	5.410.4	X		□				□			
	Mandatory	Testing and adjusting for systems: HVAC, lighting, water heating, renewable energy, landscape irrigation, and water	5.410.4.2	X		□				□			
	Mandatory	Testing and adjusting: Procedures	5.410.4.3	X		□				□			
	Mandatory	Testing and adjusting: HVAC balancing	5.410.4.3.1	X		□				□			
	Mandatory	Testing, adjusting and balancing: Reporting for HVAC balancing	5.410.4.4	X		□				□			
	Mandatory	Operation and maintenance (O&M) manual	5.410.4.5	X									
	Mandatory	Performance reviews- Water (sites > 1 acre)	PAMC 16.14.400/ 5.410.4.8	X		□				□			
	Mandatory	Inspection and reports [AA] + [N] < 10,000 SF	5.410.4.5.1	X		□				□			

					Plan Sheet, Spec or Attachment Reference	Compliance Path Verification							
						Plan Check		Rough GB Inspection IVR # 152		Final Inspection IVR # 153			
										Part 1	Part 1	Part 2	Part 2
5.4 Material Conservation and Resource Efficiency, continued		**Section**	**Y**	**N**		CORR	INITIAL	CORR	INITIAL	CORR	INITIAL	CORR	INITIAL
Electives (choose 3)	**Electives**	Wood Framing: Structural or fire-resistance integrity	A5.404.1.1	X		□							
	Electives	Wood Framing: Framing specifications	A5.404.1.2	X									
	Electives	Regional materials	A5.405.1	X		□				□			
	Electives	Bio-based materials: Certified wood	A5.405.2.1	X		□							
	Electives	Bio-based materials: Rapidly renewable materials	A5.405.2.2	X		□							
	Electives	Reused materials	A5.405.3	X		□							
	Electives	Alternate method for concrete	A5.405.4.5	X									
	Electives	Cement and concrete: Cement	A5.405.5.1	X		□							
	Electives	Cement and concrete: Concrete	A5.405.5.2	X		□							
	Electives	Additional means of compliance- Cement: Alternative fuels	A5.405.5.3.1.1	X		□							
	Electives	Additional means of compliance- Cement: Alternative power	A5.405.5.3.1.2	X									
	Electives	Additional means of compliance- Concrete: Alternative energy	A5.405.5.3.2.1	X									
	Electives	Additional means of compliance- Concrete: Recycled aggregate	A5.405.5.3.2.2	X									
	Electives	Additional means of compliance- Concrete: Mixing water	A5.405.5.3.2.3	X									
	Electives	Additional means of compliance- Concrete: High strength concrete	A5.405.5.3.2.4	X									
	Electives	Choice of materials: Service life	A5.406.1.1	X		□							
	Electives	Choice of materials: Reduced maintenance	A5.406.1.2	X		□				□			
	Electives	Choice of materials: Recyclability	A5.406.1.3		X	□				□			
	Electives	Life Cycle Assessment shall be ISO 14044 compliant	A5.409.1		X	□				□			
	Electives	Whole building life cycle assessment	A5.409.2		X								
	Electives	Materials and system assemblies	A5.409.3		X	□				□			
	Electives	Substitution of prescriptive standards	A5.409.4		X	□				□			
	Electives	Verification of compliance	A5.409.5		X	□				□			
5.5 Environmental Quality													
Mandatory	**Mandatory**	Fireplaces	5.503.1	X		□				□		□	
	Mandatory	Woodstoves	5.503.1.1	X		□				□		□	
	Mandatory	Temporary ventilation (MERV 8)	5.504.1.3	X		□		□		□			
	Mandatory	Covering of duct openings and protection of mechanical equipment during construction	5.504.3	X		□		□		□			
	Mandatory	Adhesives, sealants and caulks: Comply with VOC limits (Table 5.504.4.1 and 5.504.4.2)	5.504.4.1	X		□				□			
	Mandatory	Paints and Coatings: Comply with VOC Limits (Table 5.504.4.3)	5.504.4.3	X									
	Mandatory	Aerosol paints and coatings	5.504.4.3.1	X									
	Mandatory	Verification, for paints and coatings	5.504.4.3.2	X									
	Mandatory	Carpet systems: Carpet cushion	5.504.4.4.1	X		□							
	Mandatory	Carpet systems: Carpet adhesive	5.504.4.4.2	X		□				□			
	Mandatory	Composite wood products: Formaldehyde limits (Table 5.504.4.5)	5.504.4.5	X		□				□			
	Mandatory	Composite wood products: Documentation	5.504.4.5.3	X		□				□			
	Tier 2 Mand.	Resilient Flooring system, 100%	A5.504.4.7.1	X		□				□			
	Tier 2 Mand.	No added formaldehyde- Tier 2 level	A5.504.4.8.1	X									
	Tier 2 Mand.	Thermal Insulation	A5.504.4.8.1	X									
	Tier 2 Mand.	Filters (MERV 13)	A5.504.5.3.1.1	X		□				□		□	
	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7	X		□							
	Mandatory	Outside air delivery (For Indoor Air Quality)	5.506.1	X		□				□			
	Mandatory	Carbon dioxide (CO2) monitoring (For Indoor Air Quality)	5.506.2	X		□				□		□	
	Mandatory	Acoustical control (STC Values per ASTM E90 and ASTM E413)	5.507.4	X		□							
	Mandatory	Exterior noise transmission, prescriptive method	5.507.4.1	X		□							
	Mandatory	Exterior noise transmission, performance method	5.507.4.2	X		□							
	Mandatory	Interior sound transmission	5.507.4.3	X		□							
	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1	X									
	Mandatory	Chlorofluorocarbons	5.508.1.1	X		□							
	Mandatory	Halons	5.508.1.2	X		□							
	Mandatory	Supermarket refrigerant leak reduction	5.508.2		X	□				□			
	Mandatory	Refrigerant piping	5.508.2.1		X	□				□			
	Mandatory	Refrigerant piping valves	5.508.2.2		X	□				□			
	Mandatory	Refrigerant piping access valves	5.508.2.2.2		X	□				□			
	Mandatory	Refrigerated service case	5.508.2.3		X	□				□			
	Mandatory	Refrigerant receivers	5.508.2.4		X	□				□			
	Mandatory	Pressure testing	5.508.2.5		X	□				□			
	Mandatory	Evacuation (after pressure testing)	5.508.2.6		X	□				□			
Electives (Choose 3)	**Electives**	Indoor air quality (IAQ) during constructions: Temporary ventilation	A5.504.1.1	X		□		□					
	Electives	Indoor air quality (IAQ) during constructions: Additional IAQ measures	A5.504.1.2		X	□		□					
	Electives	IAQ postconstruction	A5.504.2		X	□				□			
	Electives	IAQ testing	A5.504.2.1		X	□				□			
	Electives	Entryway systems (to control pollutants)	A5.504.5.1		X	□				□			
	Electives	Isolation of pollutant sources (to control pollutants)	A5.504.5.2		X	□							
	Electives	Lighting and thermal comfort controls: Single occupant spaces- Lighting and Thermal Comfort	A5.507.1.1.1 / A5.507.1.1.2		X	□	□						
	Electives	Lighting and thermal comfort controls: Multi-occupant spaces	A5.507.1.2		X	□							
	Electives	Daylight: Toplighting and sidelighting	A5.507.2		X	□							
	Electives	Views: Direct line of sign to outdoors	A5.507.3.1		X	□							
	Electives	Views- Multi-occupant spaces	A5.507.3.2		X								
	Electives	Hydro-chlorofluorocarbons (HCFCs) (for HVAC and refrigeration equipment)	A5.508.1.3		X	□							
	Electives	Hydro-fluorocarbons (HFCs) (for HVAC, refrigeration and fire suppression equipment)	A5.508.1.4		X	□							
Required Additional Electives (Choose 3 additional Electives from any category)		**A5.601.3.1**											
Mand.	**Tier 2 Mand.**		A5.601.3.1	X		□							
	Tier 2 Mand.		A5.601.3.1	X		□							
	Tier 2 Mand.		A5.601.3.1	X		□							

Legend:
Y - Yes; the measure is selected as mandatory
N - No; the measure is not selected as an elective
[N] - New Construction

Instructions:

The Green Building Survey is a required project submittal. The survey can be found at the following link. The survey shall be completed on Survey Monkey and a screenshot shall be included on a separate page in this plan set. Please indicate the reference page here _____.

The Energy Star Benchmark Portfolio profile is a required project submittal. The profile can be found at the following link. The portfolio profile shall be opened and a screenshot shall be included on a separate page in this plan set. Please indicate the reference page here _____.

SCHEDULE A GREEN BUILDING INCREMENTAL VERIFICATION (IVR#152) DURING ROUGH INSPECTION

Schedule a Green Building Incremental Verification (IVR#152) if any of the following CALGreen provisions or PAMC Sections are marked with an "X" under the "Y" column of this sheet.

- CALGreen 5.303.1.1 Separate Meters
- CALGreen 5.303.1.2 Separate Meters
- PAMC 16.14.190 Recycled Water Interior Infrastructure
- PAMC 16.14.230 Recycled Water for Irrigation
- CALGreen 5.504.1.3 Temporary Ventilation
- CALGreen 5.504.3 Duct & HVAC Protection
- CALGreen A5.504.1 IAQ During Construction

SECTION TO BE COMPLETED AFTER CONSTRUCTION

In order to schedule a final building inspection with the Building Department, follow the procedures below.

☐ Schedule a **two-part** Final Green Building Inspection with the City Green Building Personnel in accordance with the Palo Alto Non-Residential Green Building Inspection Guideline.

☐ At Part 1 of the Final Green Building Inspection prepare all submittals and supporting documentation for the items identified with a "X" under the "Y" column of this sheet in accordance with the Green Building Inspection Guideline.

☐ At Part 2 of the Final Green Building Inspection prepare for a field inspection for the items identified with a "X" under the "Y" column of this sheet in accordance with the Green Building Inspection Guideline.

I certify that:

☐ There have been no alterations that have impacted the energy report for the project, unless the new report is provided.

☐ All mandatory CALGreen measures and required electives noted in the checklist have been implemented, unless a new checklist is provided along with support for alternative electives claimed.

☐ Within six months (6) from the date of final inspection I will provide the City with the project's Commissioning Report (only required for new projects over 10,000 SF) and execute compliance with landscaping measures, unless completed at the time of final inspection.

Signature (Owner)	Signature (Contractor)
Sign only after construction is completed.	
Print Name	Print Name
Date	Date

Plotted By:Christianne Dowla Sheet Set:Kha Layout:A21 May 09, 2019 06:31:17pm Z:\Planning & Pre-Development\Real Estate Developments\California\CA, Palo Alto\01-Design\04-AOR\baseFiles\CURRENT\19_0506_CAD\19_0506_TITLE BLOCKS ONLY.dwg
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No.	REVISIONS	DATE	BY

RH

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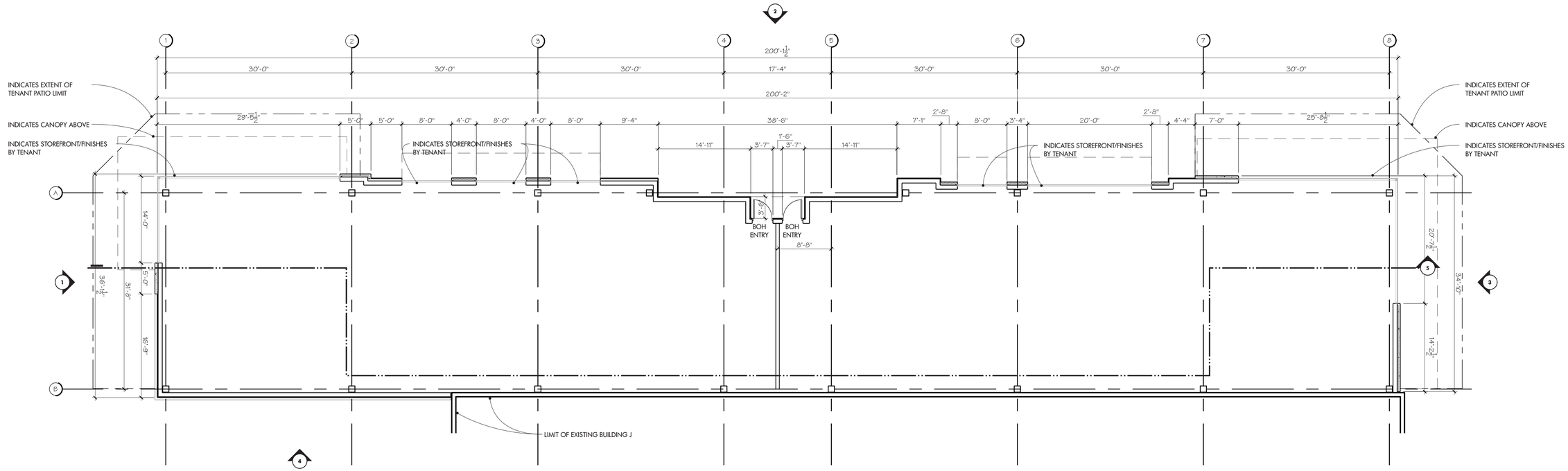
CALGREEN + TIER 2 CHECKLIST

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A - RH21

Plotted By:John Calleo Sheet Set:Kha Layout:FP_24X36 March 27, 2019 11:20:48am P:\0 PROJECTS FOLDERS\Development\Simon Property Group - 280\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_FP.dwg
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1 GROUND LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

No.	REVISIONS	DATE	BY

GH+A design studios
409 E. Jefferson Ave. 6th Floor,
Detroit, MI, United States 48226
T: 248.374.2360
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GROULD LEVEL FLOOR PLAN

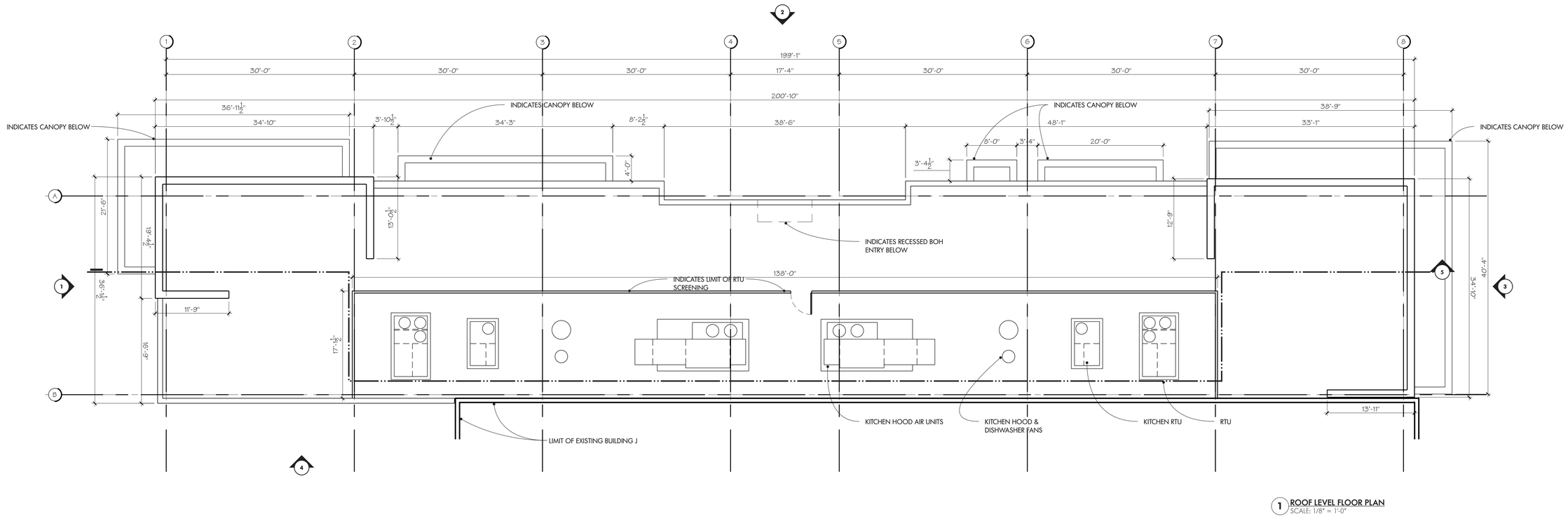
OPTION 1

PLANNING APPLICATION NO. PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE1

OPTION 1



1 ROOF LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

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BUILDING EE

ROOF LEVEL FLOOR PLAN
OPTION 1

PLANNING APPLICATION NO. PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE2
OPTION 1

Plotted By:John Calvao Sheet Set:Kha Layout:RP_24X36 August 08, 2019 03:41:24pm P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_RP.dwg
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BRICK
BRICK TECH
OCHRE BUFF - L4



CAST STONE
MATCH SAMPLE



GREEN WALL
TBD
TBD



HIGH PRESSURE LAMINATE
TRESPA WOOD LOOK
LIGHT MAHOGANY NW18



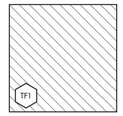
METAL
MATCH SAMPLE



STUCCO
SHERWIN WILLIAMS
SONG THRUSH SW9112

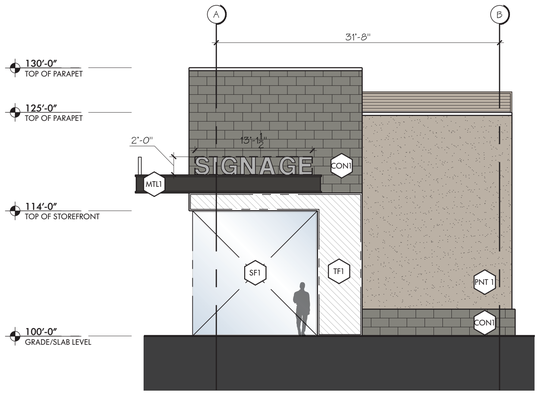


STOREFRONT SYSTEM
KAWNEER
CLEAR #17
CLEAR GLASS

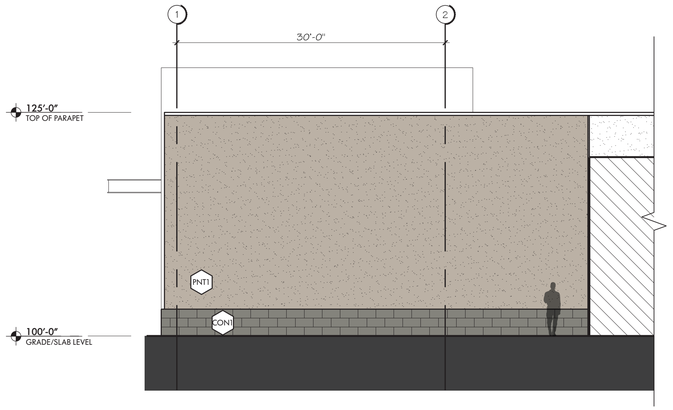


STOREFRONT FINISH
BY TENANT TBD

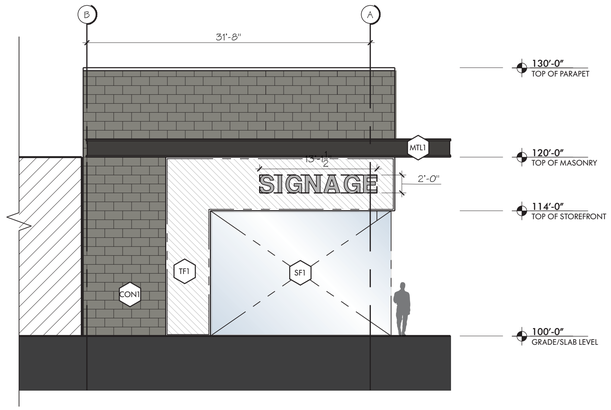
TENANT FACADE GENERAL NOTES
STOREFRONT SYSTEM (SF1) AND STOREFRONT FINISH (TF1) ARE TENANT SPECIFIC FINISH MATERIALS INTENDED FOR 2 SEPERATE TENANTS TO OCCUPY EACH END OF BUILDING EE EXPANSION. THE TENANTS WOULD DESIGN THE AREAS DENOTED WITH SF1 AND TF1 AND WOULD EACH BE SUBJECT TO FUTURE ARB REVIEW



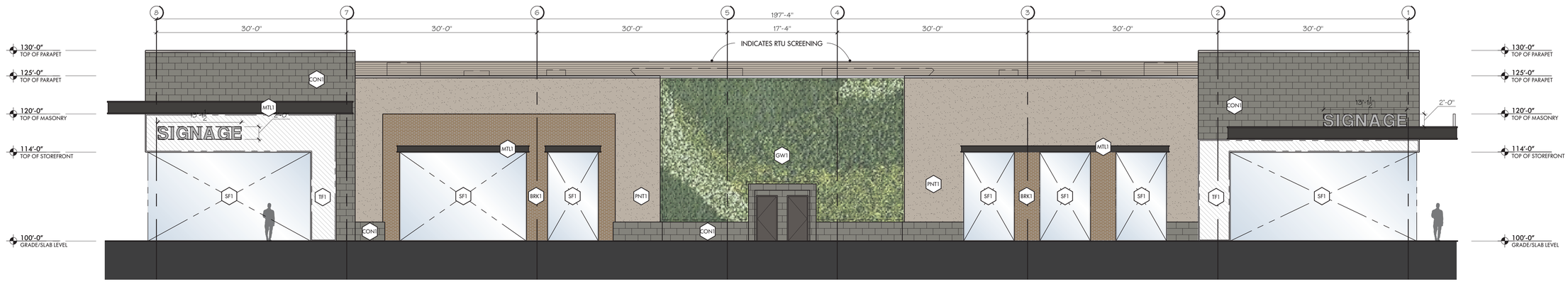
1 PROJECT WEST ELEVATION
SCALE: 1/8" = 1'-0"



4 PROJECT SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



3 PROJECT EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 PROJECT NORTH ELEVATION
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

No.	REVISIONS	DATE	BY

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BUILDING EE

ELEVATIONS
OPTION 1

PLANNING
APPLICATION NO.
PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE3
OPTION 1

Plotted By:John Colaco Sheet Set:Kha Layout:ELEV_24x36 August 08, 2019 04:22:33pm P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_EL.dwg
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Plotted By:John Colosa Sheet Set:Kha Layout:SECT_24x36 August 06, 2019 04:21:04pm P:\0 PROJECTS FOLDERS\00evelopment\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_SECT.dwg
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5 BUILDING SECTION
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

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SECTION
OPTION 1

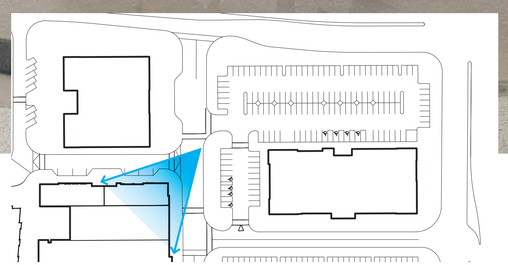
PLANNING
APPLICATION NO.
PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE4
OPTION 1

Plotted By:John Galeoa Sheet Set:Kha Layout:FP_24X36 March 21, 2019 10:11:56am P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\21137.005 - Wiles Boanford Study\01_CAD\SSC_WB_FP.dwg
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1 VIEW OF CORNER TENANT
SCALE: NTS

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BUILDING EE BUILDING

PERSPECTIVE TABLETOP
OPTION 1

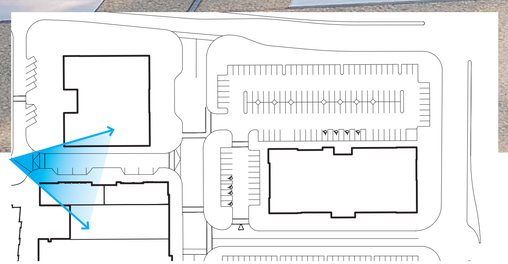
PLANNING APPLICATION NO.
PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE7
OPTION 1

Plotted By:John Calvao Sheet Set:Kha Layout:FP_24X36 March 21, 2019 10:11:56am P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\21137.005 - Wilkes Bosnford Study\01_CAD\SSC_WB_FP.dwg
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1 VIEW DOWN VEHICULAR DRIVE
SCALE: NTS

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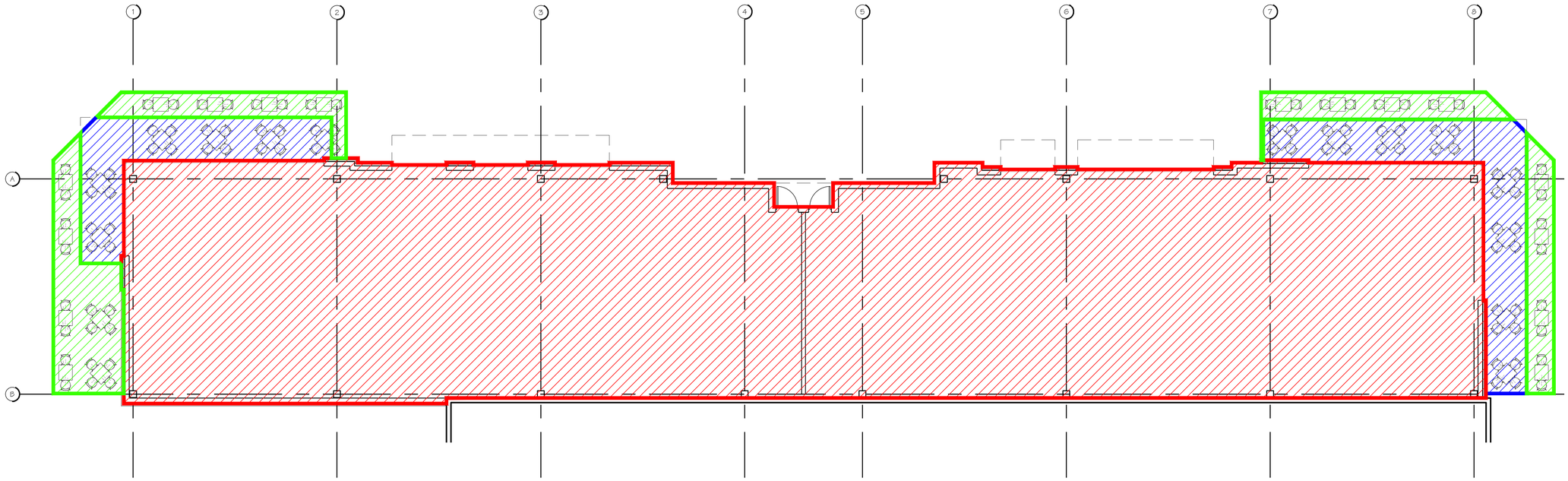
BUILDING EE BUILDING

PERSPECTIVE TABLETOP
OPTION 1

PLANNING APPLICATION NO.
PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE8
OPTION 1



1 GROUND LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

PROPOSED BUILDING FLOOR AREA	
GROUND LEVEL	6,749 SF
TOTAL BUILDING FLOOR AREA	6,749 SF

PROPOSED DINING PATIO AREA	
COVERED WEST PATIO	315 SF
COVERED EAST PATIO	439 SF
OPEN AIR WEST PATIO	421 SF
OPEN AIR EAST PATIO	292 SF
TOTAL DINING PATIO AREA	1,467 SF

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BUILDING EE

GROSS FLOOR AREA CALCULATION
OPTION 1

PLANNING APPLICATION NO.
PAB-19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
A-EE9

OPTION 1

Plotted By:John Calvao Sheet Set:Kha Layout:GFA_24x36 October 29, 2019 11:03:03am P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_FP.dwg
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						Plan Sheet, Spec or Attachment Reference	Compliance Path Verification							
							Plan Check		Rough GB Inspection IVR # 152		Final Inspection IVR # 153			
											Part 1	Part 1	Part 2	Part 2
5.1 Planning and Design		**Code Section**	**Y**	**N**			CORR	INITIAL	CORR	INITIAL	CORR	INITIAL	CORR	INITIAL
Mandatory	Mandatory	Storm water pollution prevention	5.106.1	X		**Civil Improvement Plan submittal.**	☐							
Mandatory	Mandatory	Local storm water pollution prevention	PAMC 16.14.290/ 5.106.1	X		**Civil Improvement Plan submittal.**	☐							
Mandatory	Mandatory	Best management practices	5.106.1.2	X		**Civil Improvement Plan submittal.**	☐							
Mandatory	Mandatory	Bicycle parking	PAMC 18.54.060/ 5.106.4	X		**Major ARB Submittal, Sheet P3.**	☐				☐		☐	
Mandatory	Mandatory	Short term bicycle parking	5.106.4.1.1	X		**Major ARB Submittal, Sheet P3.**	☐				☐		☐	
Mandatory	Mandatory	Long term bicycle parking	5.106.4.1.2	X		**Major ARB Submittal, Sheet P3.**	☐				☐		☐	
Mandatory	Mandatory	(Bicycle) Parking stall markings	5.106.5.2.1	X		**Major ARB Submittal, Sheet P3.**	☐				☐		☐	
Mandatory	Tier 2 Mand.	Designated parking - 12% of Parking Capacity	A5.106.5.1.2				☐				☐		☐	
Mandatory	Tier 2 Mand.	Electric Vehicle (EV) Charging for Non-Residential Structures (EVSE) [N]- New Construction, Shall provide Conduit Only, EVSE-Ready Outlet, or EVSE Installed for at least 25% of parking spaces, among which at least 5% (and no fewer than one) shall be EVSE Installed.	PAMC 16.14.430/ A5.106.5.3.2	X		**EVSE ready provided is nearby parking lo**	☐		See EVSE Checklist					
Mandatory	Mandatory	Light pollution reduction	PAMC 16.14.295/ 5.106.8	X			☐				☐		☐	
Mandatory	Mandatory	Grading and paving (exception for additions and alterations not altering the drainage path)	5.106.10	X		**Civil Improvement Plan submittal.**	☐		PW					
Mandatory	Tier 2 Mand.	Cool roof for reduction of heat island effect: SRI of 82 ≤ 2:12 and SRI of 27 > 2:12	A5.106.11.2				☐				☐			
Electives (choose 3)	Electives	Community connectivity	A5.103.1	X			☐							
Electives (choose 3)	Electives	Brownfield or greyfield site redevelopment or infill area development	A5.103.2		X		☐							
Electives (choose 3)	Electives	Reduce development footprint and optimize open space	A5.104.1		X		☐							
Electives (choose 3)	Electives	Existing building structure (75%)	A5.105.1.1		X		☐							
Electives (choose 3)	Electives	Existing non-structure elements (50%)	A5.105.1.2		X		☐							
Electives (choose 3)	Electives	Salvage	A5.105.1.3				☐							
Electives (choose 3)	Electives	Storm water runoff rate and quantity	A5.106.2.1		X		☐							
Electives (choose 3)	Electives	Storm water runoff quality	A5.106.2.2	X		**Civil Improvement Plan submittal.**	☐							
Electives (choose 3)	Electives	Low impact development (LID)	A5.106.3	X		**Civil Improvement Plan submittal.**	☐							
Electives (choose 3)	Electives	Greyfield or infill site	A5.106.3.2		X		☐							
Electives (choose 3)	Electives	Changing rooms	A5.106.4.3		X		☐							
Electives (choose 3)	Electives	Parking capacity	A5.106.6				☐							
Electives (choose 3)	Electives	Reduce parking capacity	A5.106.6.1	X			☐							
Electives (choose 3)	Electives	Exterior wall shading: Fenestration- East and west walls	A5.106.7.1.1				☐							
Electives (choose 3)	Electives	Exterior wall shading: Fenestration- South walls	A5.106.7.1.2				☐							
Electives (choose 3)	Electives	Exterior wall shading: Opaque wall areas	A5.106.7.2				☐							
Electives (choose 3)	Electives	Heat island effect: Hardscape alternatives and cool roof reduction	A5.106.11		X		☐							
Electives (choose 3)	Electives	Heat island effect: Cool roof for reduction of heat island	A5.106.11.2				☐							
Electives (choose 3)	Electives	Heat island effect: Solar reflectance	A5.106.11.2.1				☐							
Electives (choose 3)	Electives	Heat island effect: Thermal emittance	A5.106.11.2.2				☐							
Electives (choose 3)	Electives	Heat island effect: Solar reflectance index alternative	A5.106.11.2.3				☐							
PAMC 16.17 Energy Reach Code														
Mandatory	Mandatory or	Option 1: Performance approach specified within the 2016 California Energy Code shall be used to demonstrate that the TDV Energy of proposed non-residential construction is at least: Ten percent less than TDV energy of the Standard Design if the proposed building does not include a photovoltaic system or includes a photovoltaic system smaller than 5kW.	PAMC 16.17.050/ Title 24, Part 6				☐		See Energy Ace Checklist					
Mandatory	Mandatory	Option 2: Performance approach specified within the 2016 California Energy Code shall be used to demonstrate that the TDV Energy of proposed non-residential construction is at least: Equal to the TDV Energy of the Standard Design if the proposed building includes a 5kW or greater photovoltaic system.	PAMC 16.17.050/ Title 24, Part 6				☐		See Energy Ace Checklist					
Mandatory	Mandatory	Energy Star portfolio manager- All new construction or renovation projects greater than $100,000 in value	PAMC 16.14.380/ 5.410.4.6								☐	☐	☐	
Mandatory	Mandatory	Performance Review- For projects over 10,000 SF	PAMC 16.14.390/ 5.410.4.7				☐				☐	☐	☐	
5.3 Water Efficiency and Conservation														
Mandatory	Mandatory	Meters	5.303.1	X			☐		☐					
Mandatory	Mandatory	New buildings or additions in excess of 50,000 square feet	5.303.1.1		X		☐		☐					
Mandatory	Mandatory	Excess consumption (Submeters for additions that consume over 1,000 gal/ day)	5.303.1.2	X			☐		☐					
Mandatory	Tier 2 Mand.	Water Reduction- 20% savings over the "water use baseline" Table A5.303.2.3.1	A5.303.2.3.2		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Water closets (shall not exceed 1.28 gallons per flush)	5.303.3.1		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Wall-mounted urinals (0.125gpf)	5.303.3.2.1		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Floor-mounted urinals (0.5 gpf)	5.303.3.2		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Single showerhead (1.8 gpm at 80 psi)	5.303.3.3.1		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Multiple showerheads serving one shower (flow rate of 1.8 gpm at 80 psi)	5.303.3.3.2		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Nonresidential lavatory faucets (0.5 gpm at 60 psi)	5.303.3.4.1		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Kitchen faucets (1.8 gpm at 60 psi)	5.303.3.4.2		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Wash fountains (1.8 gpm at 60 psi)	5.303.3.4.3		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Metering faucets (0.2 gallons/ cycle)	5.303.3.4.4		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Metering faucets for wash fountains (0.2 gallons/ cycle)	5.303.3.4.5		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Commercial kitchen equipment	5.303.4		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Food waste disposers	5.303.4.1		X	**Shell building submittal only.**	☐				☐		☐	
Mandatory	Mandatory	Indoor water use: Areas of addition or alteration	5.303.5		X		☐				☐		☐	
Mandatory	Mandatory	Dual plumbing	PAMC 16.14.300/ 5.303.5		X	**Recycled Water Not Available**	☐				☐		☐	
Mandatory	Mandatory	Indoor Water Use: Standards for plumbing fixtures and fittings (2016 Cal Plumbing Code)	5.303.6	X			☐				☐		☐	
Mandatory	Mandatory	Outdoor Water Use : Landscape areas ≥ 500 SF	Title 23, Chapter 2.7/ 5.304.1	X			☐				☐		☐	
Mandatory	Mandatory	Outdoor Water Use : Rehabilitated landscape projects ≥ 2,500 SF	Title 23, Chapter 2.7/ 5.304.3		X	**Landscape Improvement Plan Submittal**	☐				☐		☐	
Mandatory	Mandatory	Outdoor Water Use: Landscape areas of ≤ 2,500 SF	5.304.4	X			☐				☐		☐	
Mandatory	Mandatory	Outdoor Water Use: Graywater or Rainwater Use: Landscape areas ≤ 2,500 SF	5.304.5	X			☐				☐		☐	
Mandatory	Mandatory	Potable water elimination	PAMC 16.14.350/ 5.304.5			**Recycled Water Not Available**	☐				☐		☐	
Mandatory	Mandatory	New construction; recycled water use for irrigation (See recycled water ordinance # 5002, of PAMC 16.12)	PAMC 16.12.030	X		**Recycled Water Not Available**	☐				☐		☐	
Mandatory	Mandatory	Invasive species prohibited	PAMC 16.14.360/ 5.304.6		X	**Landscape Improvement Plan Submittal**	☐				☐		☐	
Mandatory	Mandatory	Non-residential enhanced water budget	5.305.1		X	**Recycled Water Not Available**	☐				☐		☐	
Electives (3)	Electives	Indoor water use: 20% reduction	A5.303.2.3.3		X	**Shell building submittal only.**								
Electives (3)	Electives	Nonpotable water systems for indoor water use	A5.303.2.3.4		X	**Shell building submittal only.**								
Electives (3)	Electives	Appliances and fixtures for commercial application	A5.303.3		X	**Shell building submittal only.**	☐				☐		☐	
Electives (3)	Electives	Nonwater supplied urinals	A5.303.4.1		X	**Shell building submittal only.**								
Electives (3)	Electives	Outdoor Water Use: Restoration of areas disturbed by construction	A5.304.6		X		☐							
Electives (3)	Electives	Outdoor Water Use: Previously developed sites: restore or protect 50 % of site area	A5.304.7		X	**Landscape Improvement Plan Submittal**								
Electives (3)	Electives	Outdoor Water Use: Graywater irrigation system	A5.304.8	X			☐							
Electives (3)	Electives	Nonpotable water systems	A5.305.1		X	**Shell building submittal only.**								
Electives (3)	Electives	Irrigation system	A5.305.2		X	**Landscape Improvement Plan Submittal**	☐				☐		☐	
5.4 Material Conservation and Resource Efficiency														
Mandatory	Tier 2 Mand.	Recycled content: Use materials with a total recycled content of 15%	A5.405.4	X			☐						☐	
Mandatory	Mandatory	Weather protection	5.407.1	X			☐		See Foundation inspection checklist.					
Mandatory	Mandatory	Moisture control: Sprinklers	5.407.2.1	X			☐						☐	
Mandatory	Mandatory	Moisture control: Entries + Openings	5.407.2.2	X			☐						☐	
Mandatory	Mandatory	Moisture control: Exterior door protection	5.407.2.2.1	X			☐						☐	
Mandatory	Mandatory	Moisture control: Flashing	5.407.2.2.2	X			☐						☐	
Mandatory	Mandatory	Construction waste management	5.408.1	X			☐							
Mandatory	Mandatory	Construction waste management plan	5.408.1.1	X			☐							
Mandatory	Mandatory	Waste management company	5.408.1.2	X			☐							
Mandatory	Mandatory	Waste stream reduction alternative	5.408.1.3	X			☐							
Mandatory	Mandatory	Documentation: Construction waste management plan, waste management company, waste stream reduction alternative	5.408.1.4	X			☐							
Mandatory	Mandatory	Excavated soil and land clearing debris (100% reuse or recycle)	5.408.3	X			☐							
Mandatory	Tier 2 Mand.	Enhanced construction waste reduction (80% diversion rate for projects exceeding $25,000 in value; 65% diversion rate for projects less than $25,000)	PAMC 16.14.370/ A5.408.1.1						See www.greenhalosystems.com					
Mandatory	Mandatory	Recycling by occupants	5.410.1	X			☐							
Mandatory	Mandatory	Commissioning (≥ 10,000 SF) [N]	5.410.2	X			☐		☐		☐			
Mandatory	Mandatory	Commissioning plan [N]	5.410.2.3	X			☐							
Mandatory	Mandatory	Functional performance testing [N]	5.410.2.4	X										
Mandatory	Mandatory	Documentation and Training: Systems manual	5.410.2.5	X										
Mandatory	Mandatory	Documentation and Training: Systems operations training [N]	5.410.2.5.2	X										
Mandatory	Mandatory	Commissioning report [N]	5.410.2.6	X										
Mandatory	Mandatory	Testing and adjusting for [N] buildings < 10,000 SF or new systems that serve additions or alterations [AA]	5.410.4	X			☐				☐			
Mandatory	Mandatory	Testing and adjusting for systems: HVAC, lighting, water heating, renewable energy, landscape irrigation, and water reuse	5.410.4.2	X		**Site lighting only.**	☐				☐			
Mandatory	Mandatory	Testing and adjusting: Procedures	5.410.4.3	X			☐				☐			
Mandatory	Mandatory	Testing and adjusting: HVAC balancing	5.410.4.3.1	X			☐				☐			
Mandatory	Mandatory	Testing, adjusting and balancing: Reporting for HVAC balancing	5.410.4.4	X			☐				☐			
Mandatory	Mandatory	Operation and maintenance (O&M) manual	5.410.4.5	X			☐							
Mandatory	Mandatory	Performance reviews- Water (sites > 1 acre)	PAMC 16.14.400/ 5.410.4.8	X										
Mandatory	Mandatory	Inspection and reports [AA] + [N] < 10,000 SF	5.410.4.5.1	X			☐				☐			

						Plan Sheet, Spec or Attachment Reference	Compliance Path Verification							
							Plan Check		Rough GB Inspection IVR # 152		Final Inspection IVR # 153			
											Part 1	Part 1	Part 2	Part 2
5.4 Material Conservation and Resource Efficiency, continued		**Section**	**Y**	**N**			CORR	INITIAL	CORR	INITIAL	CORR	INITIAL	CORR	INITIAL
Electives (choose 3)	Electives	Wood Framing: Structural or fire-resistance integrity	A5.404.1.1		X		☐						☐	
Electives (choose 3)	Electives	Wood Framing: Framing specifications	A5.404.1.2		X		☐							
Electives (choose 3)	Electives	Regional materials	A5.405.1		X		☐						☐	
Electives (choose 3)	Electives	Bio-based materials: Certified wood	A5.405.2.1	X			☐							
Electives (choose 3)	Electives	Bio-based materials: Rapidly renewable materials	A5.405.2.2		X		☐							
Electives (choose 3)	Electives	Reused materials	A5.405.3		X		☐							
Electives (choose 3)	Electives	Alternate method for concrete	A5.405.4.5		X									
Electives (choose 3)	Electives	Cement and concrete: Cement	A5.405.5.1		X		☐							
Electives (choose 3)	Electives	Cement and concrete: Concrete	A5.405.5.2		X									
Electives (choose 3)	Electives	Additional means of compliance- Cement: Alternative fuels	A5.405.5.3.1.1		X									
Electives (choose 3)	Electives	Additional means of compliance- Cement: Alternative power	A5.405.5.3.1.2		X									
Electives (choose 3)	Electives	Additional means of compliance- Concrete: Alternative energy	A5.405.5.3.2.1		X									
Electives (choose 3)	Electives	Additional means of compliance- Concrete: Recycled aggregate	A5.405.5.3.2.2		X									
Electives (choose 3)	Electives	Additional means of compliance- Concrete: Mixing water	A5.405.5.3.2.3	X										
Electives (choose 3)	Electives	Additional means of compliance- Concrete: High strength concrete	A5.405.5.3.2.4		X									
Electives (choose 3)	Electives	Choice of materials: Service life	A5.406.1.1	X			☐							
Electives (choose 3)	Electives	Choice of materials: Reduced maintenance	A5.406.1.2		X		☐				☐			
Electives (choose 3)	Electives	Choice of materials: Recyclability	A5.406.1.3		X		☐				☐			
Electives (choose 3)	Electives	Life Cycle Assessment shall be ISO 14044 compliant	A5.409.1		X		☐				☐			
Electives (choose 3)	Electives	Whole building life cycle assessment	A5.409.2		X									
Electives (choose 3)	Electives	Materials and system assemblies	A5.409.3		X		☐				☐			
Electives (choose 3)	Electives	Substitution of prescriptive standards	A5.409.4		X		☐				☐			
Electives (choose 3)	Electives	Verification of compliance	A5.409.5		X		☐							
5.5 Environmental Quality														
Mandatory	Mandatory	Fireplaces	5.503.1		X		☐				☐		☐	
Mandatory	Mandatory	Woodstoves	5.503.1.1		X									
Mandatory	Mandatory	Temporary ventilation (MERV 8)	5.504.1.3		X	**No Permanent HVAC in Shell Project**	☐		☐		☐			
Mandatory	Mandatory	Covering of duct openings and protection of mechanical equipment during construction	5.504.3		X	**No Permanent HVAC in Shell Project**	☐		☐		☐			
Mandatory	Mandatory	Adhesives, sealants and caulks: Comply with VOC limits (Table 5.504.4.1 and 5.504.4.2)	5.504.4.1	X			☐				☐			
Mandatory	Mandatory	Paints and Coatings: Comply with VOC Limits (Table 5.504.4.3)	5.504.4.3	X										
Mandatory	Mandatory	Aerosol paints and coatings	5.504.4.3.1	X										
Mandatory	Mandatory	Verification, for paints and coatings	5.504.4.3.2	X										
Mandatory	Mandatory	Carpet systems: Carpet cushion	5.504.4.4.1		X	**No Scope Building Shell Only**	☐							
Mandatory	Mandatory	Carpet systems: Carpet adhesive	5.504.4.4.2		X	**No Scope Building Shell Only**	☐				☐			
Mandatory	Mandatory	Composite wood products: Formaldehyde limits (Table 5.504.4.5)	5.504.4.5	X			☐				☐			
Mandatory	Mandatory	Composite wood products: Documentation	5.504.4.5.3	X			☐							
Mandatory	Tier 2 Mand.	Resilient Flooring system, 100%	A5.504.4.7.1		X	**No Scope Building Shell Only**	☐				☐			
Mandatory	Tier 2 Mand.	No added formaldehyde- Tier 2 level	A5.504.4.8.1		X		☐							
Mandatory	Tier 2 Mand.	Thermal Insulation	A5.504.4.8.1	X			☐							
Mandatory	Tier 2 Mand.	Filters (MERV 13)	A5.504.5.3.1		X	**No Scope Building Shell Only**	☐				☐		☐	
Mandatory	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7		X	**No Scope Building Shell Only**	☐							
Mandatory	Mandatory	Outside air delivery (For Indoor Air Quality)	5.506.1		X	**No HVAC in Shell Project**	☐				☐			
Mandatory	Mandatory	Carbon dioxide (CO2) monitoring (For Indoor Air Quality)	5.506.2		X	**No HVAC in Shell Project**	☐				☐		☐	
Mandatory	Mandatory	Acoustical control (STC Values per ASTM E90 and ASTM E413)	5.507.4		X	**No Scope Building Shell Only**	☐							
Mandatory	Mandatory	Exterior noise transmission, prescriptive method	5.507.4.1	X			☐							
Mandatory	Mandatory	Exterior noise transmission, performance method	5.507.4.2	X										
Mandatory	Mandatory	Interior sound transmission	5.507.4.3		X	**No Scope Building Shell Only**	☐							
Mandatory	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1	X										
Mandatory	Mandatory	Chlorofluorocarbons	5.508.1.1	X			☐							
Mandatory	Mandatory	Halons	5.508.1.2	X			☐							
Mandatory	Mandatory	Supermarket refrigerant leak reduction	5.508.2		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Refrigerant piping	5.508.2.1		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Refrigerant piping valves	5.508.2.2		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Refrigerant piping access valves	5.508.2.2.2		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Refrigerated service case	5.508.2.3		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Refrigerant receivers	5.508.2.4		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Pressure testing	5.508.2.5		X	**Shell building submittal only.**	☐				☐			
Mandatory	Mandatory	Evacuation (after pressure testing)	5.508.2.6		X	**Shell building submittal only.**	☐				☐			
Electives (choose 3)	Electives	Indoor air quality (IAQ) during constructions: Temporary ventilation	A5.504.1.1		X	**Shell building submittal only.**	☐		☐					
Electives (choose 3)	Electives	Indoor air quality (IAQ) during constructions: Additional IAQ measures	A5.504.1.2		X	**Shell building submittal only.**	☐		☐					
Electives (choose 3)	Electives	IAQ postconstruction	A5.504.2		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	IAQ testing	A5.504.2.1		X	**Shell building submittal only.**	☐						☐	
Electives (choose 3)	Electives	Maximum levels of contaminants	A5.504.2.1.1		X	**Shell building submittal only.**								
Electives (choose 3)	Electives	Test protocols	A5.504.2.1.2		X	**Shell building submittal only.**								
Electives (choose 3)	Electives	Noncomplying building areas	A5.504.2.1.3		X	**Shell building submittal only.**								
Electives (choose 3)	Electives	No added formaldehyde- Tier 2 requirement	A5.504.4.5.1		X	**Shell building submittal only.**								
Electives (choose 3)	Electives	Acoustical ceiling and wall panels	A5.504.4.9		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Hazardous particulates and chemical pollutants	A5.504.5	X			☐							
Electives (choose 3)	Electives	Entryway systems (to control pollutants)	A5.504.5.1		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Isolation of pollutant sources (to control pollutants)	A5.504.5.2		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Lighting and thermal comfort controls: Single occupant spaces- Lighting and Thermal Comfort	A5.507.1.1.1 A5.507.1.1.2		X	**Shell building submittal only.**	☐	☐						
Electives (choose 3)	Electives	Lighting and thermal comfort controls: Multi-occupant spaces	A5.507.1.2		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Daylight: Toplighting and sidelighting	A5.507.2		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Views: Direct line of sign to outdoors	A5.507.3.1		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Views- Multi-occupant spaces	A5.507.3.2		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Hydro-chlorofluorocarbons (HCFCs) (for HVAC and refrigeration equipment)	A5.508.1.3		X	**Shell building submittal only.**	☐							
Electives (choose 3)	Electives	Hydro-fluorocarbons (HFCs) (for HVAC, refrigeration and fire suppression equipment)	A5.508.1.4		X	**Shell building submittal only.**	☐							
Required Additional Electives (Choose 3 additional Electives from any category)			**A5.601.3.1**											
Mand.	Tier 2 Mand.		A5.601.3.1				☐							
Mand.	Tier 2 Mand.		A5.601.3.1				☐							
Mand.	Tier 2 Mand.		A5.601.3.1				☐							

Legend:
Y - Yes; the measure is selected as mandatory
N - No; the measure is not selected as an elective
[N] - New Construction

Instructions:

The Green Building Survey is a required project submittal. The survey can be found at the following link. The survey shall be completed on Survey Monkey and a screenshot shall be included on a separate page in this plan set. Please indicate the reference page here _____.

The Energy Star Benchmark Portfolio profile is a required project submittal. The profile can be found at the following link. The portfolio profile shall be opened and a screenshot shall be included on a separate page in this plan set. Please indicate the reference page here _____.

SCHEDULE A GREEN BUILDING INCREMENTAL VERIFICATION (IVR#152) DURING ROUGH INSPECTION

Schedule a Green Building Incremental Verification (IVR#152) if any of the following CALGreen provisions or PAMC Sections are marked with an "X" under the "Y" column of this sheet.

- CALGreen 5.303.1.1 Separate Meters
- CALGreen 5.303.1.2 Separate Meters
- PAMC 16.14.190 Recycled Water Interior Infrastructure
- PAMC 16.14.230 Recycled Water for Irrigation
- CALGreen 5.504.1.3 Temporary Ventilation
- CALGreen 5.504.3 Duct & HVAC Protection
- CALGreen A5.504.1 IAQ During Construction

SECTION TO BE COMPLETED AFTER CONSTRUCTION

In order to schedule a final building inspection with the Building Department, follow the procedures below.

☐ Schedule a **two-part** Final Green Building Inspection with the City Green Building Personnel in accordance with the Palo Alto Non-Residential Green Building Inspection Guideline.

☐ At Part 1 of the Final Green Building Inspection prepare all submittals and supporting documentation for the items identified with a "X" under the "Y" column of this sheet in accordance with the Green Building Inspection Guideline.

☐ At Part 2 of the Final Green Building Inspection prepare for a field inspection for the items identified with a "X" under the "Y" column of this sheet in accordance with the Green Building Inspection Guideline.

I certify that:

☐ There have been no alterations that have impacted the energy report for the project, unless the new report is provided.

☐ All mandatory CALGreen measures and required electives noted in the checklist have been implemented, unless a new checklist is provided along with support for alternative electives claimed.

☐ Within six months (6) from the date of final inspection I will provide the City with the project's Commissioning Report (only required for new projects over 10,000 SF) and execute compliance with landscaping measures, unless completed at the time of final inspection.

Signature (Owner)	Signature (Contractor)
Sign only after construction is completed.	
Print Name	Print Name
Date	Date

2016 CALIFORNIA GREEN BUILDING CODE - TIER 2 PATH CHECKLIST

Project Address:

CITY OF PALO ALTO

2016 NONRESIDENTIAL GREEN BUILDING APPLICATION **CALGREEN + TIER 2**

Version 07/18

Title 24, Part 11, California Green Building Code (CALGreen) http://www.bsc.ca.gov/Home/CALGreen.aspx
City of Palo Alto Green Building Ordinance 5393 (PAMC 16.14 Amendments) https://www.cityofpaloalto.org/civicax/filebank/documents/56976
City of Palo Alto Development Center Green Building Requirements http://www.cityofpaloalto.org/gov/depts/dsi/green_building/default.asp
Updated Model Water Efficient Landscape Ordinance- Effective February 1, 2016 http://www.water.ca.gov/wateruseefficiency/landscapeordinance/docs/Title%2023%20extract%20-%20Official%20CCR%20pages.pdf

Application: This plan sheet is for use by nonresidential new construction or additions of 1,000 SF or greater.

GB-1

TIER 2

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM

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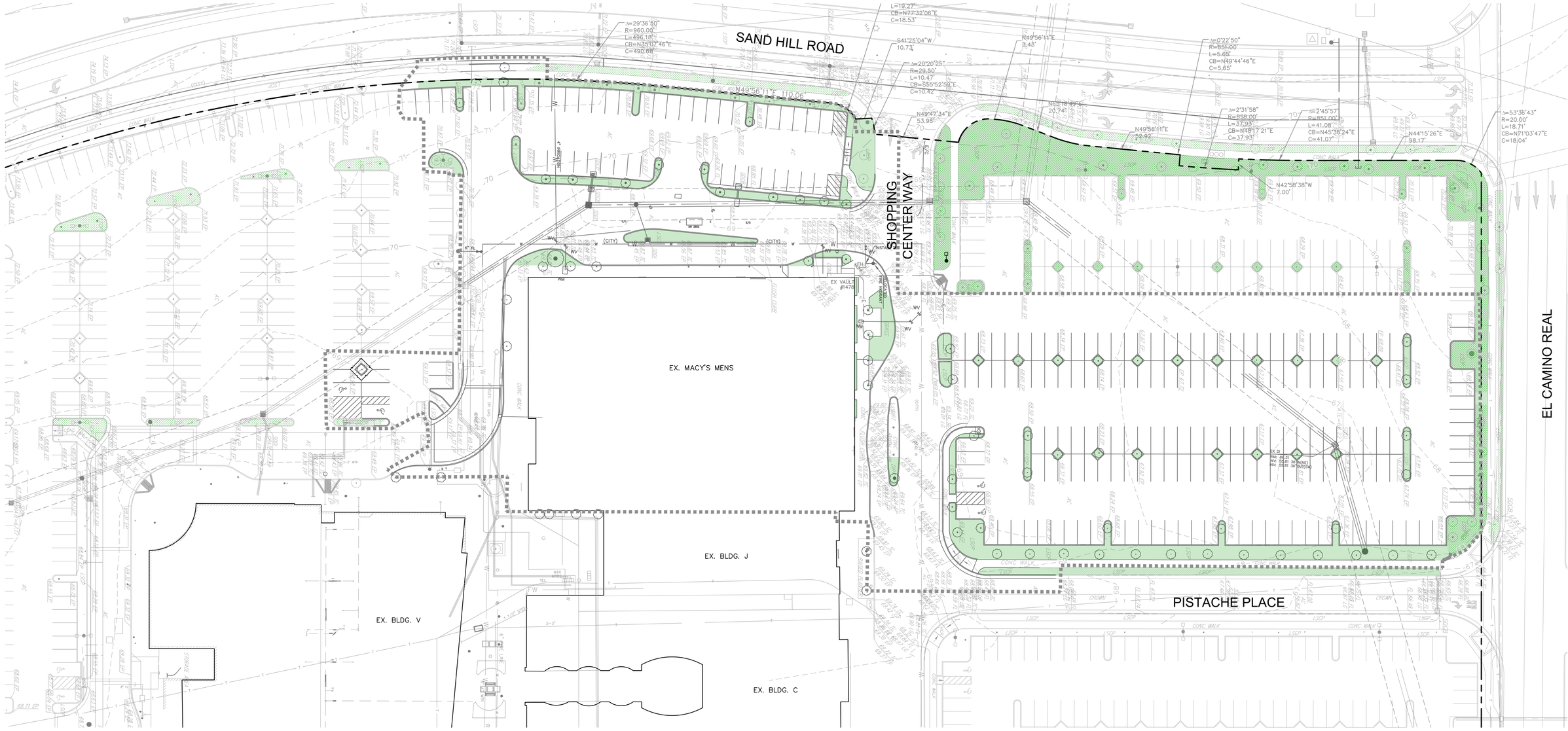
CALGREEN+TIER 2 CHECKLIST (SITE, BUILDING EE)
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
GB1.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:GB1.1 CALGREEN + TIER 2 CHECKLIST (BUILDING EE) October 25, 2019 01:12:04pm K:\BAY_LDEV\197145002 — Simon — Stanford Mall — MCM\08 CADD\Plan Sheets\ARB — Option 1\GB1.dwg
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NOTES

1. DIMENSIONS MEASURED TO FACE OF CURB AND FACE OF BUILDING.
2. UTILITY EQUIPMENT. REFER TO SHEET C8.

LEGEND

- PROPERTY LINE
- PROJECT AREA
- EXISTING LANDSCAPE AREA

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM

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EXISTING CONDITIONS

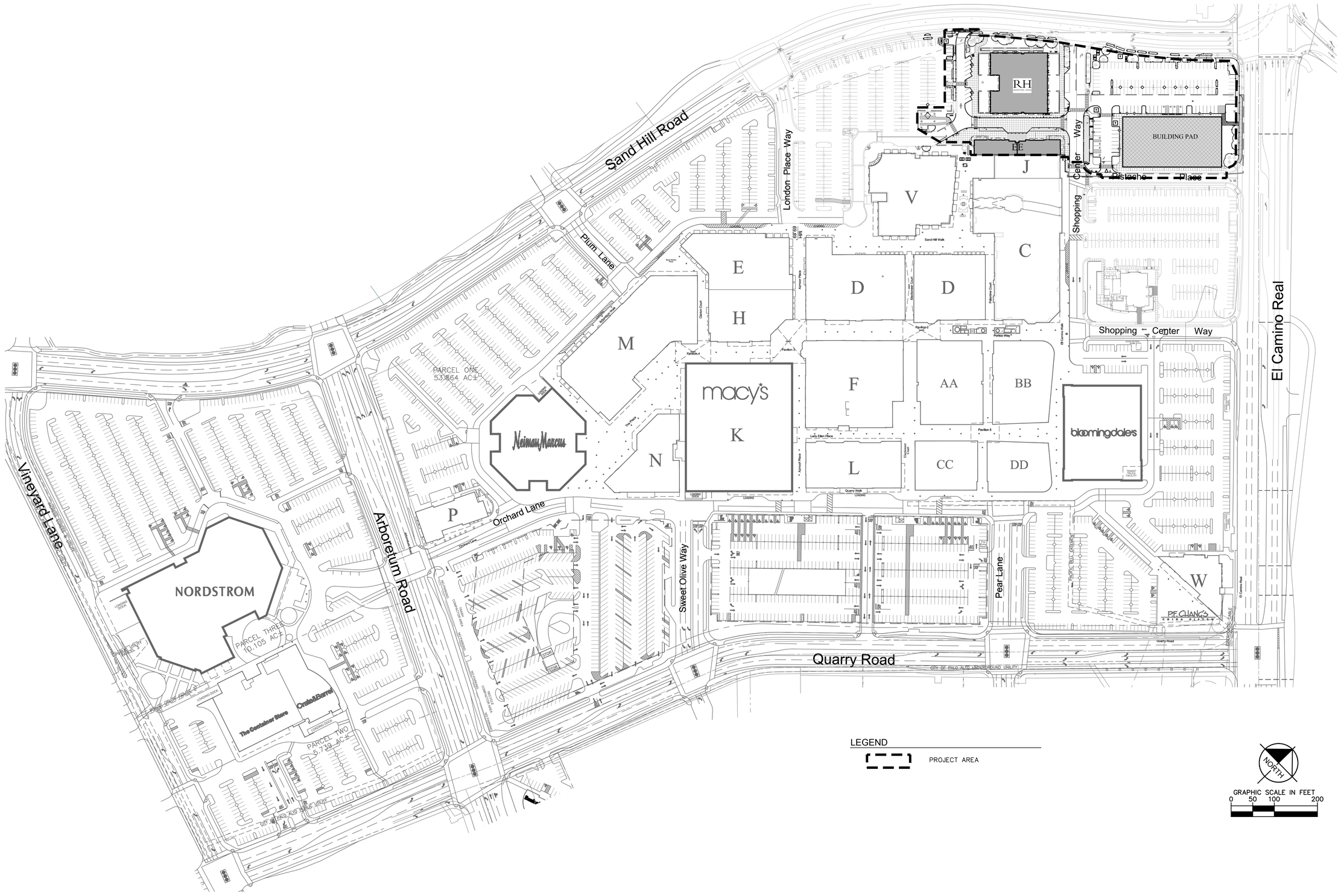
PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C0

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C0 EXISTING CONDITIONS November 06, 2019 04:11:39pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\C0 EXISTING CONDITIONS.dwg
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Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C1.1 SHOPPING CENTER LOCATION MAP November 06, 2019 04:11:57pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\C100 Key Map.dwg
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LEGEND

PROJECT AREA

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
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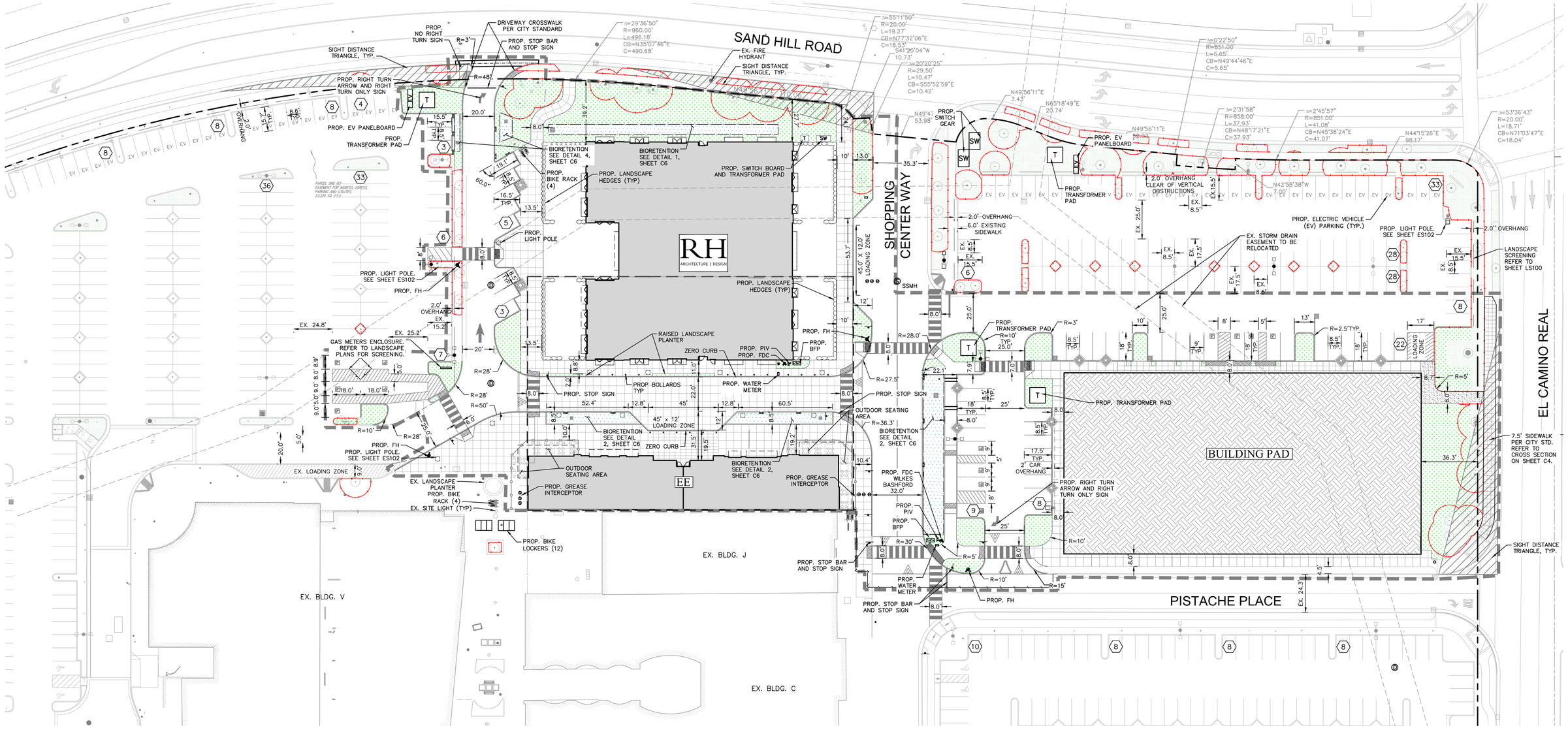
STANFORD
SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

SHOPPING CENTER LOCATION MAP

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C1.1



LEGEND

- PROPERTY LINE
- PROJECT LIMITS
- EV — ELECTRIC VEHICLE READY
- PROP. SIGN
- BACKFLOW PREVENTER
- PROP. FIRE HYDRANT (FH)
- PROP. FIRE DEPARTMENT CONNECTION (FDC)
- PROP. DRAIN INLET
- ## — PARKING COUNT
- PROPOSED SITE LIGHT – BD1B
- PROPOSED SITE LIGHT – A
- PROPOSED SITE LIGHT – AC
- PROPOSED SITE LIGHT – BD
- PROPOSED BIORETENTION AREA
- PROPOSED LANDSCAPE AREA
- PROPOSED DECOMPOSED GRANITE
- PROPOSED VEHICULAR CONCRETE, INTEGRAL COLOR STAMPED TO MIMIC PAVER
- EXISTING LANDSCAPE AREA
- TREE PROTECTION ZONE
- PROPOSED BUILDING
- PROPOSED BUILDING PAD

NOTES

1. DIMENSIONS MEASURED TO FACE OF CURB AND FACE OF BUILDING.
2. UTILITY EQUIPMENT. REFER TO SHEET C8.
3. ALL 2' CAR OVERHANG AREAS SHALL BE CLEARED OF ANY VERTICAL OBSTRUCTIONS.
4. REFER TO LANDSCAPE PLANS FOR SCREENING AROUND ABOVE GROUND UTILITY EQUIPMENT.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM
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SITE PLAN

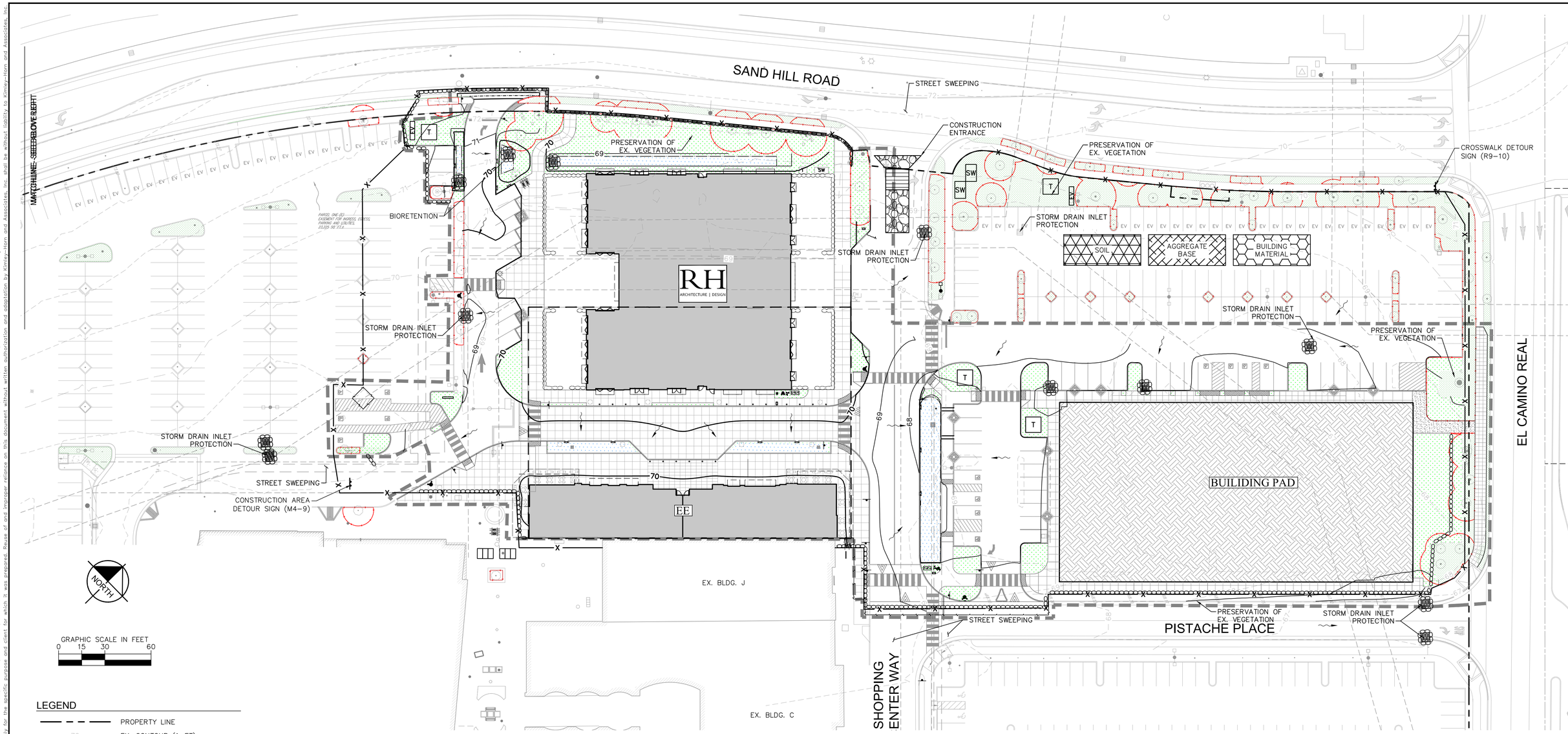
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C2.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C2.1 SITE PLAN November 06, 2019 04:12:12pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 1\C30D Site Plan.dwg
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY LINE
- 70 EX. CONTOUR (1-FT)
- X TEMPORARY CONSTRUCTION FENCE
- PROP. DRAIN INLET
- GRAVEL BAG BARRIER
- INLET PROTECTION
- CONSTRUCTION DETOUR SIGN
- TREE PROTECTION ZONE (TPZ) FENCING (PER CITY OF PALO ALTO STREET TREE PROTECTION SPECIFICATIONS, SEE SHEETS T1-T4 FOR DETAILS)
- PROPOSED BIORETENTION AREA
- PROPOSED LANDSCAPE AREA
- EXISTING LANDSCAPE AREA
- PROPOSED BUILDING
- PROPOSED BUILDING PAD

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM
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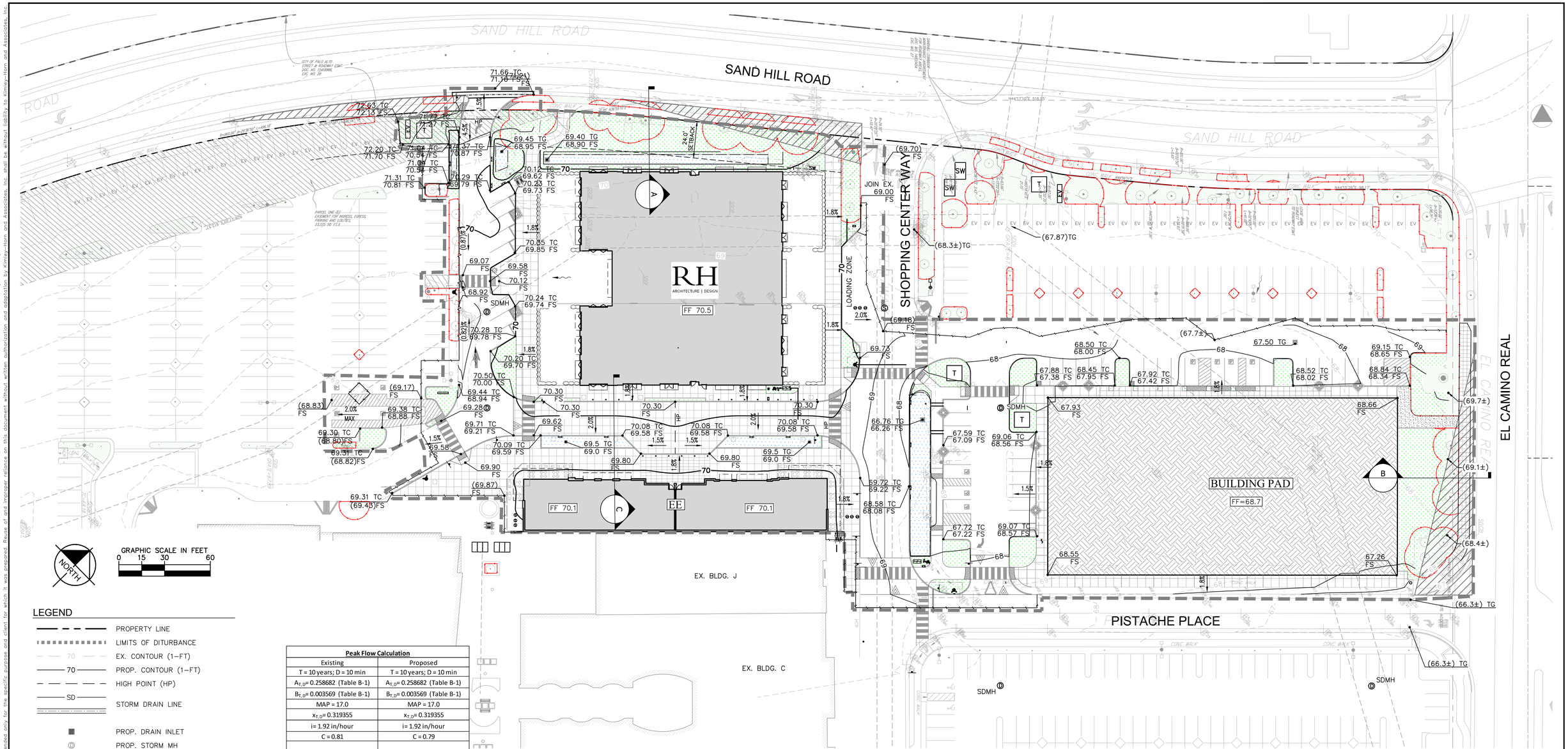
EROSION CONTROL PLAN
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C3.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C3.1 EROSION CONTROL PLAN November 06, 2019 04:12:28pm K:\BAY_LDEV\197145002 - Simon - Stanford Mall - MCM\08 CADD\Plan Sheets\ARB - Option 1\C201 Erosion Control Plan.dwg
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SITE DATA

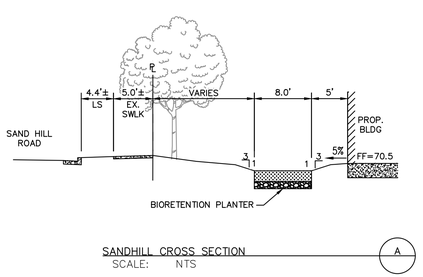
TOTAL DISTURBED AREA:	138,888 SF
IMPERVIOUS AREA:	119,920 SF
PERVIOUS AREA (LANDSCAPE):	18,968 SF

Peak Flow Calculation

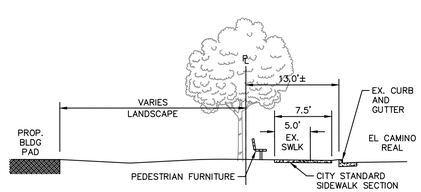
Existing	Proposed
T = 10 years; D = 10 min	T = 10 years; D = 10 min
$A_{T,D}$= 0.258682 (Table B-1)	$A_{T,D}$= 0.258682 (Table B-1)
$B_{T,D}$= 0.003569 (Table B-1)	$B_{T,D}$= 0.003569 (Table B-1)
MAP = 17.0	MAP = 17.0
$x_{T,D}$= 0.319355	$x_{T,D}$= 0.319355
i= 1.92 in/hour	i= 1.92 in/hour
C = 0.81	C = 0.79
Q_{pre} = 0.81 * 1.92 * 3.29	Q_{post} = 0.78 * 1.92 * 3.29
Q_{pre} = 5.11 cfs	Q_{post} = 4.99 cfs

These values were calculated using the Rational Method. The coefficients were determined using the Santa Clara County guidelines (Table 3-1 and B-1).

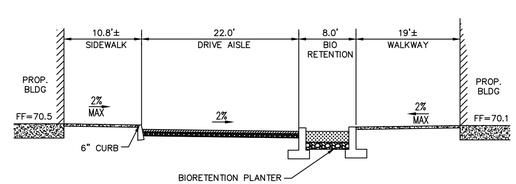
Existing Conditions			
Ground Cover	Area (ac)	Runoff Factor C	
Urban Open Space	0.25	0.35	8%
Paved / Impervious	3.06	0.85	92%
Total Area:		3.31	
Weighted C Value:		0.81	
Proposed Conditions			
Ground Cover	Area (ac)	Runoff Factor C	
Urban Open Space	0.42	0.35	13%
Paved / Impervious	2.86	0.85	87%
Total Area:		3.29	
Weighted C Value:		0.79	



SANDHILL CROSS SECTION (A)
SCALE: NTS



EL CAMINO FRONTAGE CROSS SECTION (B)
SCALE: NTS



SITE CROSS SECTION (C)
SCALE: NTS

No.	REVISIONS	DATE	BY

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PLEASANTON, CA 94588
PHONE: 925-398-4840
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SPG CENTER, LLC

CITY OF PALO ALTO — CALIFORNIA

GRADING AND DRAINAGE PLAN

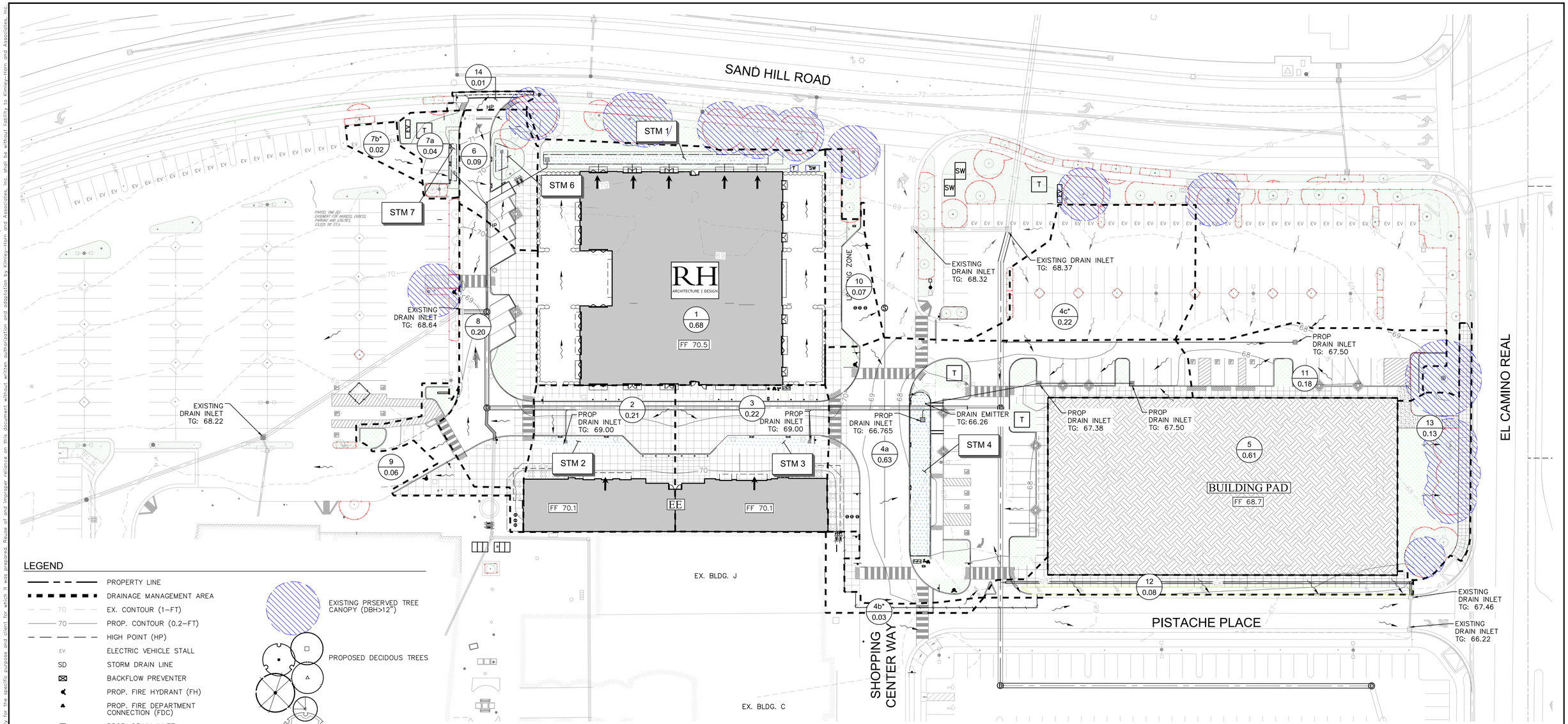
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C4.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C4.1 GRADING AND DRAINAGE PLAN November 06, 2019 04:12:51pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 1\C400 Grading Plan.dwg
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LEGEND

- PROPERTY LINE
- DRAINAGE MANAGEMENT AREA
- EX. CONTOUR (1–FT)
- PROP. CONTOUR (0.2–FT)
- HIGH POINT (HP)
- ELECTRIC VEHICLE STALL
- STORM DRAIN LINE
- BACKFLOW PREVENTER
- PROP. FIRE HYDRANT (FH)
- PROP. FIRE DEPARTMENT CONNECTION (FDC)
- PROP. DRAIN INLET
- PROP. STORM MH
- SURFACE FLOW ARROW
- ROOF DRAIN CONNECTION TO LID
- TREE PROTECTION ZONE (TPZ) FENCING (PER CITY OF PALO ALTO STREET TREE PROTECTION SPECIFICATIONS, SEE SHEETS T1–T4 FOR DETAILS)
- PROPOSED BIORETENTION AREA
- PROPOSED LANDSCAPE AREA
- EXISTING LANDSCAPE AREA
- DMA NUMBER *INDICATES IN–LIEU AREA
- DMA ACREAGE
- PROPOSED BUILDING
- PROPOSED BUILDING PAD
- EXISTING PRSERVED TREE CANOPY (DBH>12")
- PROPOSED DECIDOUS TREES
- PROPOSED EVERGREEN TREE

Tree Interceptor Credit Summary

DMA#	New Evergreen Trees	New Deciduous Trees	New Tree Credits (sf)	Existing Tree (sf)	Total Tree Credits (sf)
1	3	9	1,500	3,823	5,323
2		2	200		200
3		2	200		200
4a		21	2,100		2,100
4c*				1,924	1,924
5		4	400		400
6		1	100		100
7a		0	-		-
8		3	300		300
9			-		-
10		1	100	962	1,062
11		3	300	1,963	2,263
12		12	1,200		1,200
13		3	300	4,627	4,927
14			-	962	962

*INDICATES IN–LIEU AREA OUTSIDE OF DISTURBED PROJECT LIMITS

Project Area Treatment Areas

DMA #	DMA Area (AC)	DMA Area (SF)	Impervious: Roof Area (SF)	Impervious: Parking/Drive Aisle Area (SF)	Impervious: Sidewalk/ Hardscape Area (SF)	Impervious: Total Impervious Area (SF)	Pervious Landscape Area (SF)	Required Treatment Area (4%) (SF)	Proposed Facility Area (SF)	Treatment Location	Tree Credits Required and In-lieu area (sf)
1	0.68	29,741	17,700	0	4,855	22,555	6,257	927	929	STM 1	
2	0.21	9,242	3,374	2,384	3,031	8,789	100	352	353	STM 2	
3	0.22	9,661	3,374	2,568	3,198	9,140	154	366	367	STM 3	
4a	0.61	26,775	-	21,212	1,892	23,104	2,271	933	1400	STM 4	
4b*	0.03	1,507	-	579	791	1,370	137	55	""	STM 4	(1,370)
4c*	0.22	9,598	-	9737	0	9,511	87	381	""	STM 4	(9,511)
5	0.61	26,677		-		-	26,677	0	0	STM 5	
6	0.09	3,929	-	1,814	1,159	2,973	830	122	126	STM 6	
7a	0.04	1,798	-	566	364	930	784	40	84	STM 7	
7b*	0.02	1,015	-	1015	0	1,015	-	41	""	STM 7	(1,015)
8	0.20	8,755	-	4,900	3,358	8,258	497				8,258
9	0.06	2,554	-	1,181	957	2,138	416				2,138
10	0.07	3,132	-	1,480	1,435	2,915	217				2,915
11	0.16	7,163	-	5,360	1,227	6,587	576				6,587
12	0.08	3,635	-	249	2,248	2,497	1,138				2,497
13	0.13	5,809	-	0	1,244	1,244	4,565				1,244
14	0.01	637	-	392	245	637	-				637
Total		**151,628**	**24,448**	**53,437**	**26,004**	**103,663**	**44,706**	**3,218**	**3,259**	**-**	**12,380**

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

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Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
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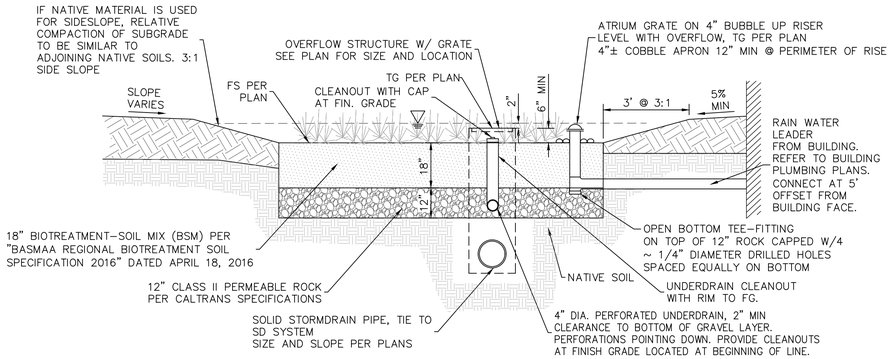
STORMWATER CONTROL PLAN
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C5.1

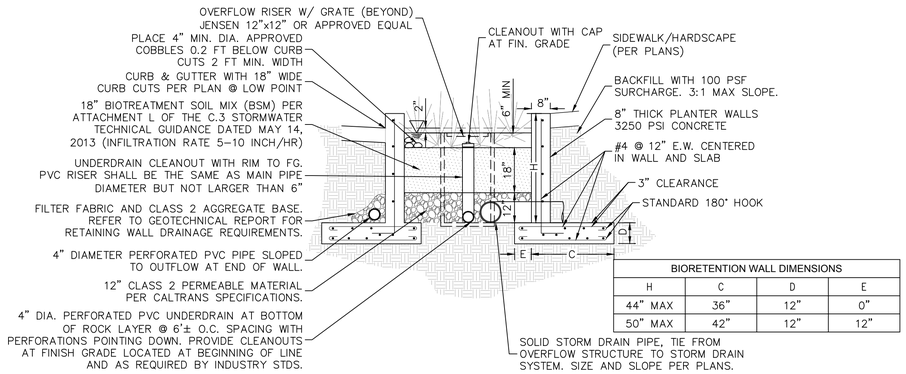
Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C5.1 STORMWATER CONTROL PLAN November 06, 2019 04:13:08pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 1\C5.1 StormwaterControlPlan.dwg
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BIORETENTION FOR RH BUILDING

N.T.S.

1

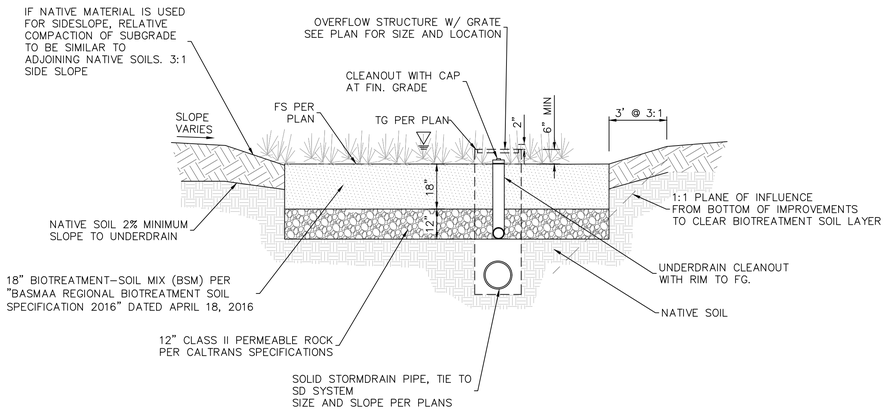


BIORETENTION WALL DIMENSIONS			
H	C	D	E
44" MAX	36"	12"	0"
50" MAX	42"	12"	12"

BIORETENTION AREA ADJ. TO SIDEWALK

N.T.S.

2



BIORETENTION TYPICAL DETAIL

N.T.S.

4

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PLEASANTON, CA 94588
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STORMWATER TREATMENT DETAILS
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C6.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C6.1 STORMWATER TREATMENT DETAILS November 06, 2019 04:13:18pm K:\BAY_LDEV\197145002 - Simon - Stanford Mall - MCM\08 CADD\Plan Sheets\ARB - Option 2\C600 Details.dwg
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POLLUTION PREVENTION—IT'S PART OF THE PLAN

Construction projects are required to implement year-round stormwater BMPs, as they apply to your project.

Runoff from streets and other paved areas is a major source of pollution to San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep construction dirt, debris, and other pollutants out of storm drains and local creeks. Following these guidelines will ensure your compliance with City of Palo Alto Ordinance requirements.








MATERIALS & WASTE MANAGEMENT

Non-Hazardous Materials

- ☐ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or when they are not in use.
- ☐ Use (but don't overuse) reclaimed water for dust control.
- ☐ Ensure dust control water doesn't leave site or discharge to storm drains.

Hazardous Materials

- ☐ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ☐ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ☐ Follow manufacturer's application instructions for hazardous materials and do not use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ☐ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ☐ Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. A plastic liner is recommended to prevent leaks. Never clean out a dumpster by hosing it down on the construction site.
- ☐ Place portable toilets away from storm drains. Make sure they are in good working order. Check frequently for leaks.
- ☐ Dispose of all wastes and demolition debris properly. Recycle materials and wastes that can be recycled, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation.
- ☐ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.
- ☐ Keep site clear of litter (e.g. lunch items, cigarette butts).
- ☐ Prevent litter from uncovered loads by covering loads that are being transported to and from site.

Construction Entrances and Perimeter

- ☐ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ☐ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

EQUIPMENT MANAGEMENT & SPILL CONTROL

Maintenance and Parking

- ☐ Designate an area of the construction site, well away from streams or storm drain inlets and fitted with appropriate BMPs, for auto and equipment parking, and storage.
- ☐ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ☐ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ☐ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ☐ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment, and do not use diesel oil to lubricate equipment or parts onsite.

Spill Prevention and Control

- ☐ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ☐ Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks. Use drip pans to catch leaks until repairs are made.
- ☐ Clean up leaks, drips and other spills immediately and dispose of cleanup materials properly.
- ☐ Use dry cleanup methods whenever possible (absorbent materials, cat litter and/or rags).
- ☐ Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- ☐ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ☐ Report any hazardous materials spills immediately! Call City of Palo Alto Communications, **(650) 329-2413**. If the spill poses a significant hazard to human health and safety, property or the environment, you must report it to the State Office of Emergency Services. **(800) 852-7550 (24 hours).**

EARTHMOVING

Grading and Earthwork

- ☐ Schedule grading and excavation work during dry weather.
- ☐ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ☐ Remove existing vegetation only when absolutely necessary, plant temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- ☐ Prevent sediment from migrating offsite and protect storm drain inlets, drainage courses and streams by installing and maintaining appropriate BMPs (e.g., silt fences, gravel bags, fiber rolls, temporary swales, etc.).
- ☐ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ☐ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
  - Unusual soil conditions, discoloration, or odor.
  - Abandoned underground tanks.
  - Abandoned wells.
  - Buried barrels, debris, or trash.
- ☐ If the above conditions are observed, document any signs of potential contamination and clearly mark them so they are not disturbed by construction activities.

Landscaping

- ☐ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ☐ Stack bagged material on pallets and under cover.
- ☐ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

CONCRETE MANAGEMENT & DEWATERING

Concrete Management

- ☐ Store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Store materials off the ground, on pallets. Protect dry materials from wind.
- ☐ Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area; (2) drain onto a bermed surface from which it can be pumped and disposed of properly; or (3) block any storm drain inlets and vacuum washwater from the gutter. If possible, sweep first.
- ☐ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will fl ow into a temporary waste pit, and make sure wash water does not leach into the underlying soil. (See CASQA Construction BMP Handbook for properly designed concrete washouts.)

Dewatering

- ☐ Reuse water for dust control, irrigation or another on-site purpose to the greatest extent possible.
- ☐ Be sure to obtain a Permit for Construction in the Public Street from Public Works Engineering before discharging water to a street, gutter, or storm drain. Call the Regional Water Quality Control Plant (RWQCP) at **(650) 329-2598** for an inspection prior to commencing discharge. Use filtration or diversion through a basin, tank, or sediment trap as required by the approved dewatering plan. Dewatering is not permitted from October to April.
- ☐ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the City inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

PAVING/ASPHALT WORK

Paving

- ☐ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ☐ Cover storm drain inlets and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- ☐ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.

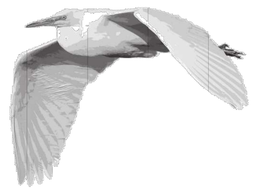
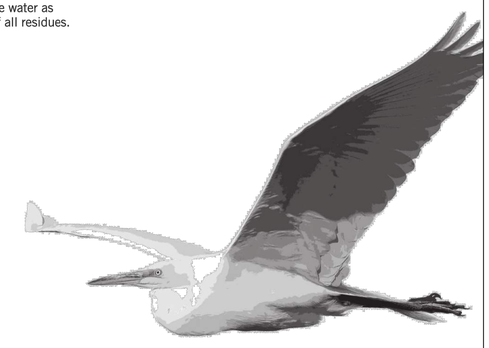
Sawcutting & Asphalt/Concrete Removal

- ☐ Protect storm drain inlets during saw cutting.
- ☐ If saw cut slurry enters a catch basin, clean it up immediately.
- ☐ Shovel or vacuum saw cut slurry deposits and remove from the site. When making saw cuts, use as little water as possible. Sweep up, and properly dispose of all residues.

PAINTING & PAINT REMOVAL

Painting Cleanup and Removal

- ☐ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ☐ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ☐ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ☐ Sweep up or collect paint chips and dust from non-hazardous dry stripping and sand blasting into plastic drop cloths and dispose of as trash.
- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state certified contractor.

STORM DRAIN POLLUTERS MAY BE LIABLE FOR FINES OF UP TO $10,000 PER DAY!

250 Hamilton Avenue
Palo Alto, CA 94301
650.329.2211
cityofpaloalto.org

CITY OF PALO ALTO

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM

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STORMWATER POLLUTION PREVENTION PLAN

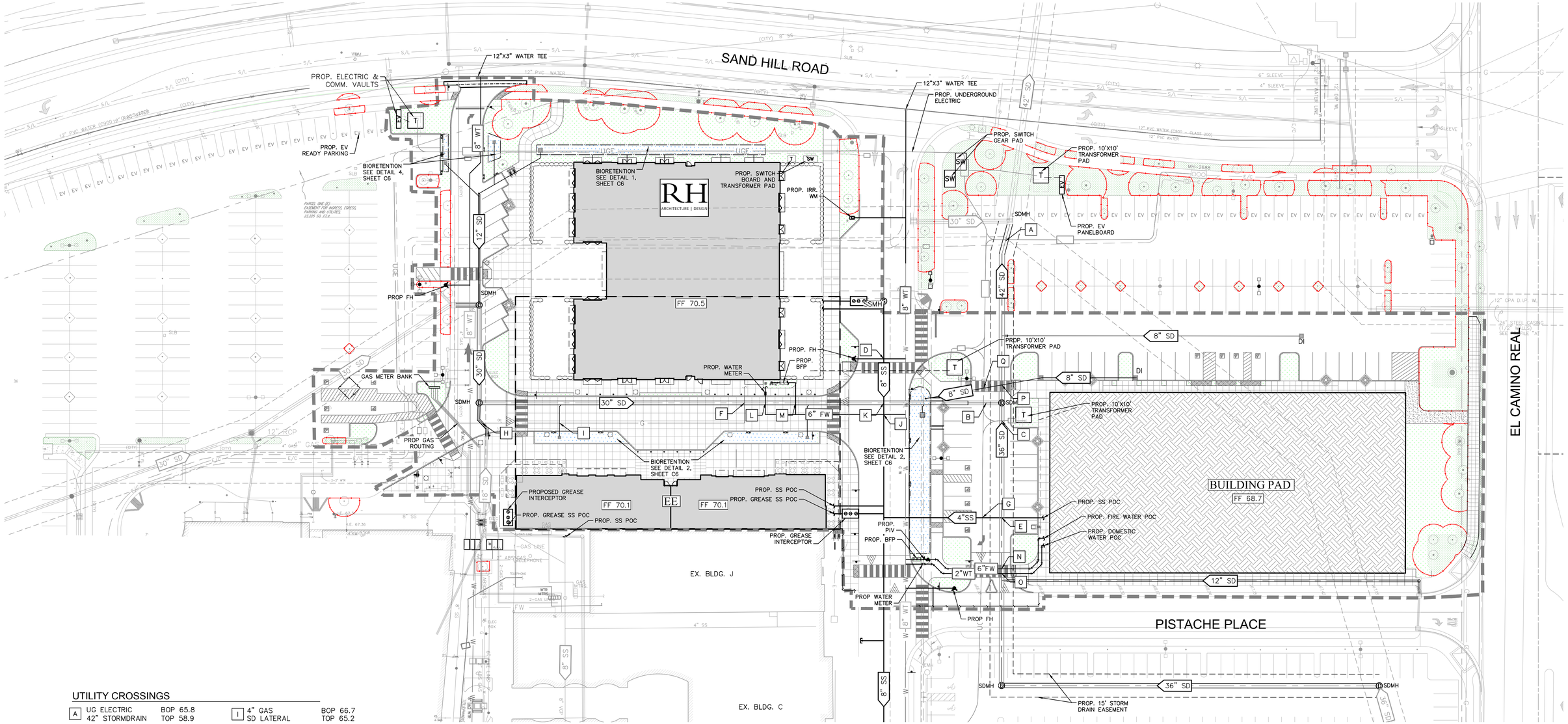
PLANNING APPLICATION NO.
19PLN - 00110

DATE
OCTOBER 25, 2019

SHEET NUMBER
C7

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:POLLUTION PREVENTION PLAN ARB October 22, 2019 07:48:58am K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\C430 StormwaterControlPlan.dwg
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UTILITY CROSSINGS

A	UG ELECTRIC 42" STORMDRAIN	BOP 65.8 TOP 58.9	I	4" GAS SD LATERAL	BOP 66.7 TOP 65.2
B	UG ELECTRIC 30" STORMDRAIN	BOP 65.8 TOP 60.5	J	6" WATER 8" S. SEWER	BOP 67.3 TOP 64.5
C	UG ELECTRIC 36" STORMDRAIN	BOP 65.8 TOP 58.6	K	8" S. SEWER 30" STORMDRAIN	BOP 65.7 TOP 58.7
D	8" S. SEWER 6" FIRE WATER	BOP 67.5 TOP 64.5	L	2" WATER 30" STORMDRAIN	BOP 67.8 TOP 61.3
E	4" S. SEWER 36" STORM DRAIN	BOP 65.6 TOP 58.6	M	6" FIRE WATER 30" STORMDRAIN	BOP 65.3 TOP 61.3
F	4" GAS 30" STORMDRAIN	BOP 65.7 TOP 61.4	N	6" FIRE WATER 36" STORMDRAIN	BOP 65.3 TOP 58.6
G	UG ELECTRIC S. SEWER LATERAL	BOP 65.8 TOP 63.7	O	2" WATER 36" STORMDRAIN	BOP 66.8 TOP 58.7
H	4" GAS 18" STORMDRAIN	BOP 66.2 TOP 58.4	P	SD LATERAL 36" STORMDRAIN	BOP 62.3 TOP 59.1
			Q	UG ELECTRICAL SD LATERAL	BOP 65.8 TOP 62.9

CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING CONNECTIONS AND CONFLICTS.

LEGEND

- PROPERTY LINE
- EV — ELECTRIC VEHICLE STALL
- BACKFLOW PREVENTER
- PROP. FIRE HYDRANT (FH)
- PROP. FIRE DEPARTMENT CONNECTION (FDC)
- PROP. DRAIN INLET
- PROP. STORM MH
- PROP. SEWER MH
- PROP. GREASE INTERCEPTOR
- 8" WT — PROP. WATER LINE
- 8" SS — PROP. SANITARY SEWER
- 36" SD — PROP. STORM DRAIN
- 36" SD — EX. STORM DRAIN
- UGE — PROP. UNDERGROUND ELEC.
- G — PROP. GAS
- PROPOSED BIORETENTION AREA
- PROPOSED LANDSCAPE AREA
- EXISTING LANDSCAPE AREA
- PROPOSED BUILDING
- PROPOSED BUILDING PAD
- TREE PROTECTION ZONE
- PROPOSED SITE LIGHT – BD1B
- PROPOSED SITE LIGHT – A
- PROPOSED SITE LIGHT – AC
- PROPOSED SITE LIGHT – BD

NOTES

1. REFER TO LANDSCAPE PLANS FOR SCREENING AROUND ABOVE GROUND UTILITY EQUIPMENT.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

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4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
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UTILITY PLAN
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C8.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C9.1 DELIVERY TRUCK TURNING MOVEMENT November 06, 2019 04:14:14pm K:\BAY_LDEV\197145002 — Simon — Stanford Mall — MCM\08 CADD\Plan Sheets\ARB — Option 1\C9.1 Delivery Truck Movement.dwg
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SAND HILL ROAD

EL CAMINO REAL

SHOPPING CENTER WAY

RH
ARCHITECTURE | DESIGN

EE

BUILDING PAD

EX. BLDG. J

EX. BLDG. C

R=48'±

R=30'±

R=34'±

R=15'±

R=2'

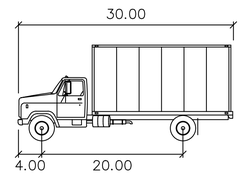
R=28'

R=50'

R=39'±

R=29'±

SU-30 SWEEP PATH



SU-30

	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 31.8

LEGEND

TRUCK SWEPT PATH

SIGHT DISTANCE TRIANGLE

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY

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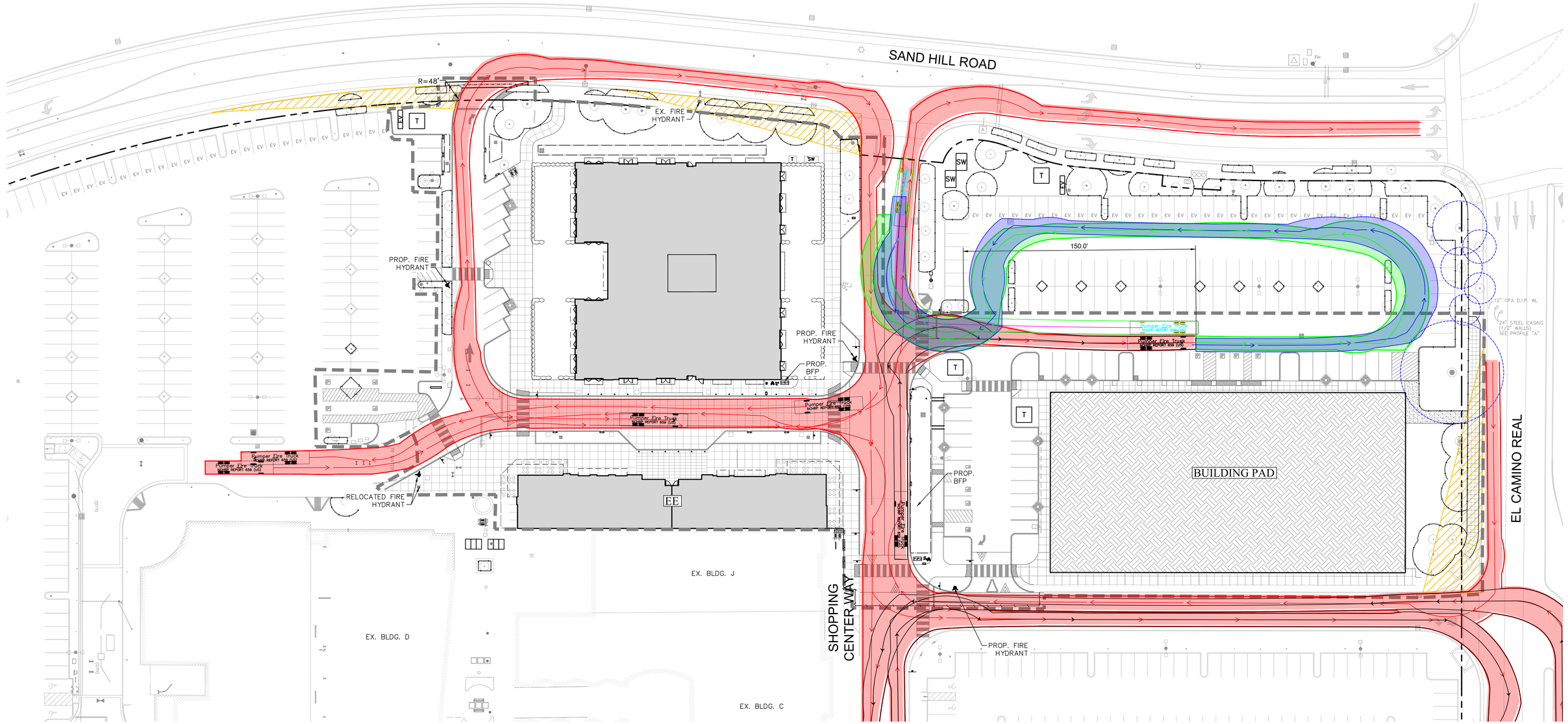
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PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

DELIVERY TRUCK TURNING MOVEMENT
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

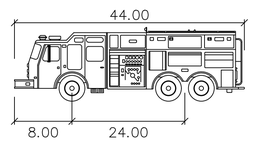
DATE
NOVEMBER 06, 2019

SHEET NUMBER
C9.1



LEGEND

- TRUCK MOVEMENT
- SIGHT DISTANCE TRIANGLE
- TRUCK TURN– AVOIDS ISLAND, CONFLICTS WITH PARKING
- TRUCK TURN– AVOIDS PARKING, CONFLICTS WITH ISLAND



Pumper Fire Truck

	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 37.8

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

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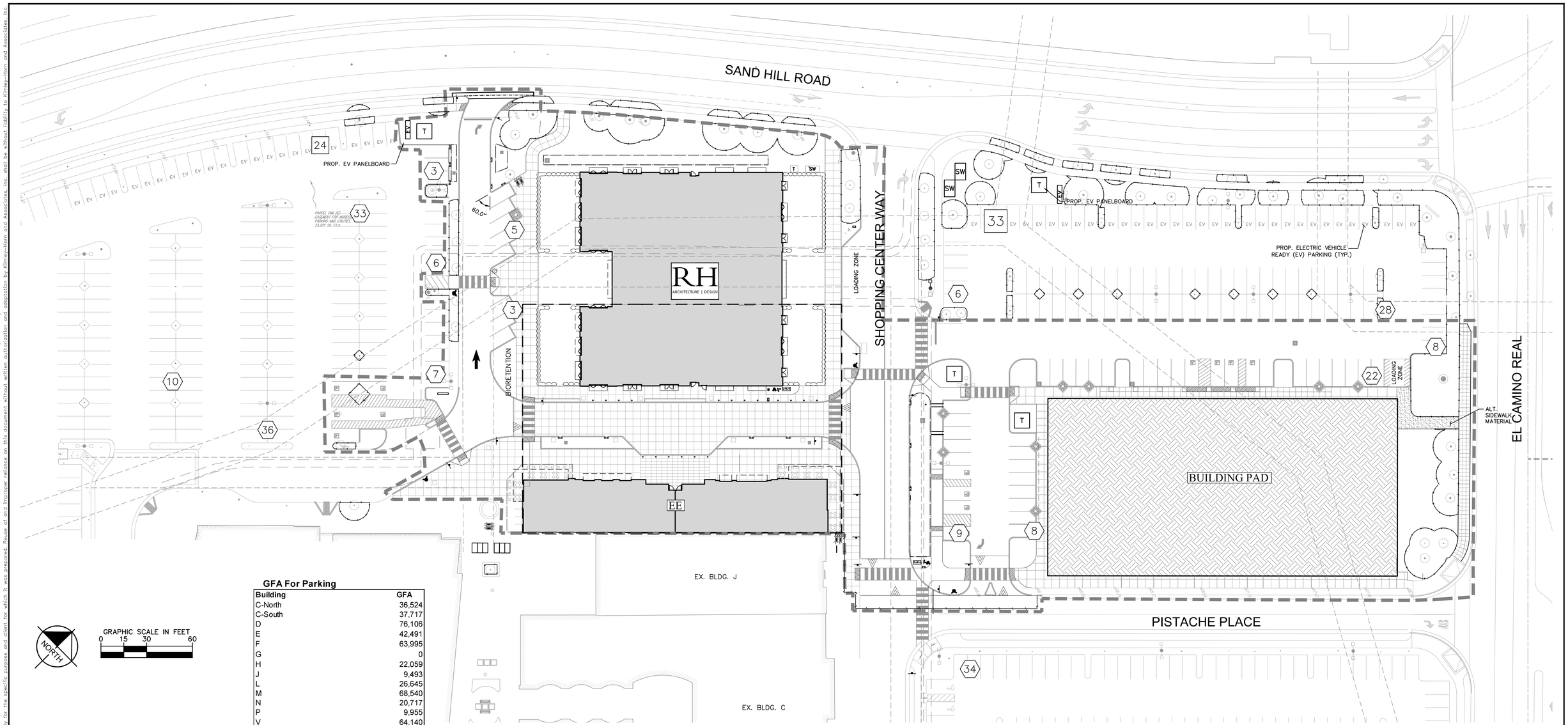
FIRE TRUCK TURNING MOVEMENT
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
C10.1

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:C10.1 FIRE TRUCK TURNING MOVEMENT November 06, 2019 04:14:32pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\C5.1 Fire Truck Movement.dwg
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GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

GFA For Parking

Building	GFA
C-North	36,524
C-South	37,717
D	76,106
E	42,491
F	63,995
G	0
H	22,059
J	9,493
L	26,645
M	68,540
N	20,717
P	9,955
V	64,140
W	11,778
AA	29,305
BB	52,148
CC	16,492
DD	33,647
EE	7,503
Sub-Total	**629,255**
DEPARTMENT STORES AND OUTPARCELS	
Nordstrom	180,000
Neiman Marcus	120,000
Restoration Hardware	41,850
Macy's	225,830
Bloomingdales	123,678
The Container Store	38,301
Crate and Barrel	39,173
Bank of America	4,185
Flemings (including outdoor patio gfa)	8,511
Sub-Total	781,528
Total GFA For Parking	1,410,783

NOTES

TOTAL PROJECT GFA:	49,353 SF
REQ. PARKING (1/275):	179 STALLS
EV CONDUIT (20%):	35
EV READY (5%):	9*

*ALL EV INSTALLED PARKING PROVIDED IN GARAGE. TESLA WORKING DIRECTLY WITH CITY STAFF ON PERMIT.

LEGEND

- PROPERTY LINE
- EV — ELECTRIC VEHICLE READY
- (#) — PARKING COUNT
- XX — EV PARKING COUNT

City of Palo Alto Parking Requirements:	Number of Spaces Req'd	Parking Ratio
Parking Required at 1/ 275 of GFA	5131	3.64
Macy's Redevelopment EV charger ready spaces required*	15	
Macy's Redevelopment EV conduit only spaces required	57	

* These spaces are being provided in the parking garage

VEHICULAR PARKING SUMMARY

Parking Provided by Space Type	REGULAR	ADA	DEDICATED	EV (chargers)	EV (conduit only)	TOTAL
EXISTING						
Existing parking spaces (as of 3/27/19)	5,220	101		29	96	5,446
ShakeShack (18PLN-00054) parking modification			2			
Tesla (16PLN-00040) parking modification			6			
Total existing parking spaces deducting the dedicated spaces						5,438
PROPOSED						
Parking spaces added/(removed) as part of redevelopment	-242	10	0	0	57	
Total parking space by type post redevelopment	4,978	111	8	29	153	**5,279**
Excess number of spaces						**148**

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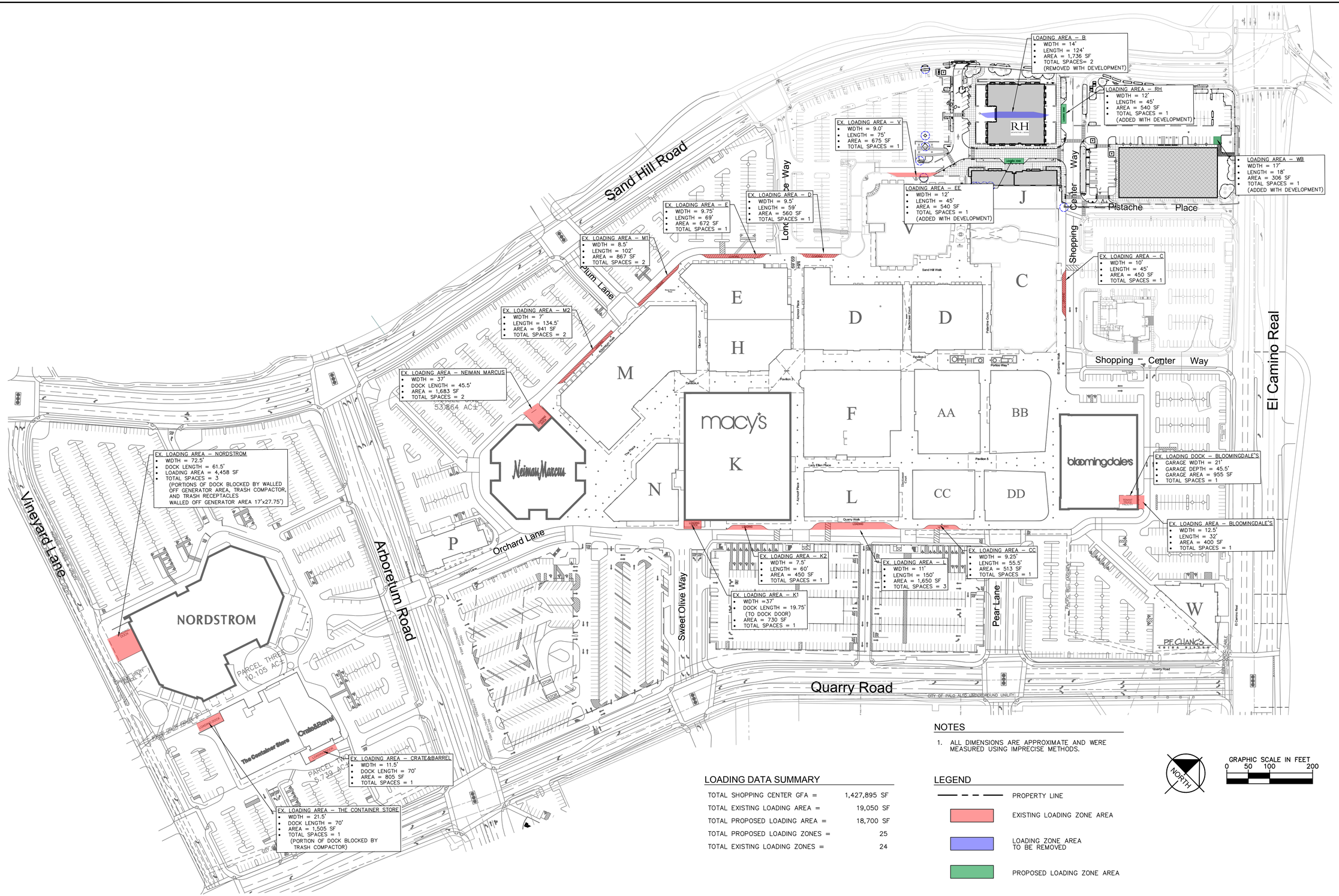
PARKING PLAN
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
P1.1

Plotted By:Brennaman, Kaitlin Sheet Set:Kha Layout:P1.1 PARKING PLAN November 06, 2019 04:14:46pm K:\BAY_LDEV\197145002 - Simon - Stanford Mall - MCM\08 CADD\Plan Sheets\ARB - Option 1\P1 Parking Plan.dwg
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NOTES

1. ALL DIMENSIONS ARE APPROXIMATE AND WERE MEASURED USING IMPRECISE METHODS.

LOADING DATA SUMMARY

TOTAL SHOPPING CENTER GFA =	1,427,895 SF
TOTAL EXISTING LOADING AREA =	19,050 SF
TOTAL PROPOSED LOADING AREA =	18,700 SF
TOTAL PROPOSED LOADING ZONES =	25
TOTAL EXISTING LOADING ZONES =	24

LEGEND

- PROPERTY LINE
- EXISTING LOADING ZONE AREA
- LOADING ZONE AREA TO BE REMOVED
- PROPOSED LOADING ZONE AREA

NORTH

GRAPHIC SCALE IN FEET
0 50 100 200

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LOADING PLAN
OPTION 1

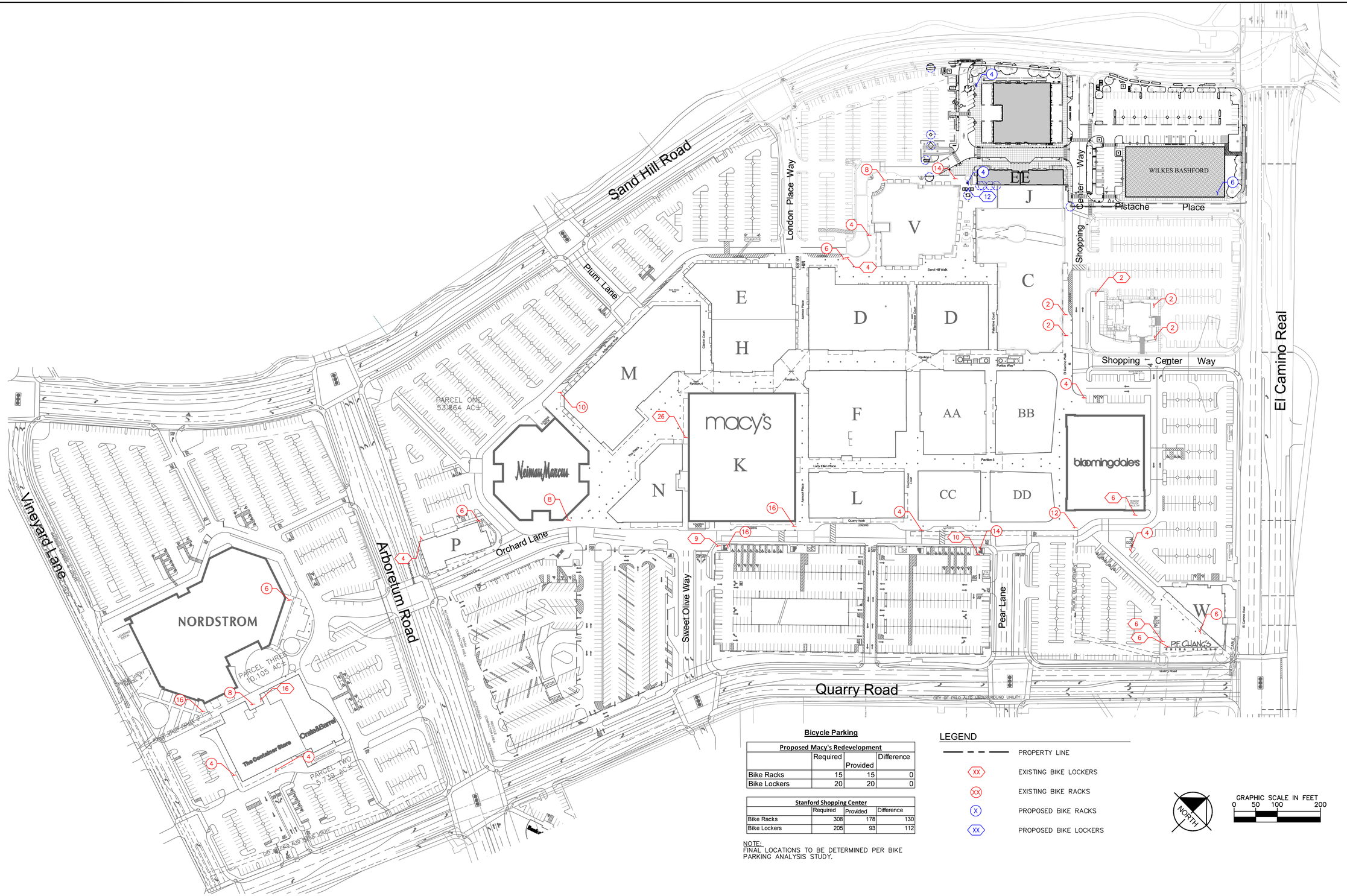
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DATE
NOVEMBER 06, 2019

SHEET NUMBER
P2.1

Plotted By:Brennemon, Kaitlin Sheet Set:Kha Layout:P2.1 LOADING PLAN November 06, 2019 04:15:03pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 1\P2 Loading Plan.dwg
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Plotted By:Brennemon, Kaitlin Sheet Set:Kha Layout:P3.1 BIKE PARKING PLAN November 06, 2019 04:15:21pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 1\P3 Bike Parking Plan.dwg
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Bicycle Parking

Proposed Macy's Redevelopment			
	Required	Provided	Difference
Bike Racks	15	15	0
Bike Lockers	20	20	0

Stanford Shopping Center			
	Required	Provided	Difference
Bike Racks	308	178	130
Bike Lockers	205	93	112

NOTE:
FINAL LOCATIONS TO BE DETERMINED PER BIKE PARKING ANALYSIS STUDY.

LEGEND

- PROPERTY LINE
- XX — EXISTING BIKE LOCKERS
- XX — EXISTING BIKE RACKS
- X — PROPOSED BIKE RACKS
- XX — PROPOSED BIKE LOCKERS

NORTH

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0 50 100 200

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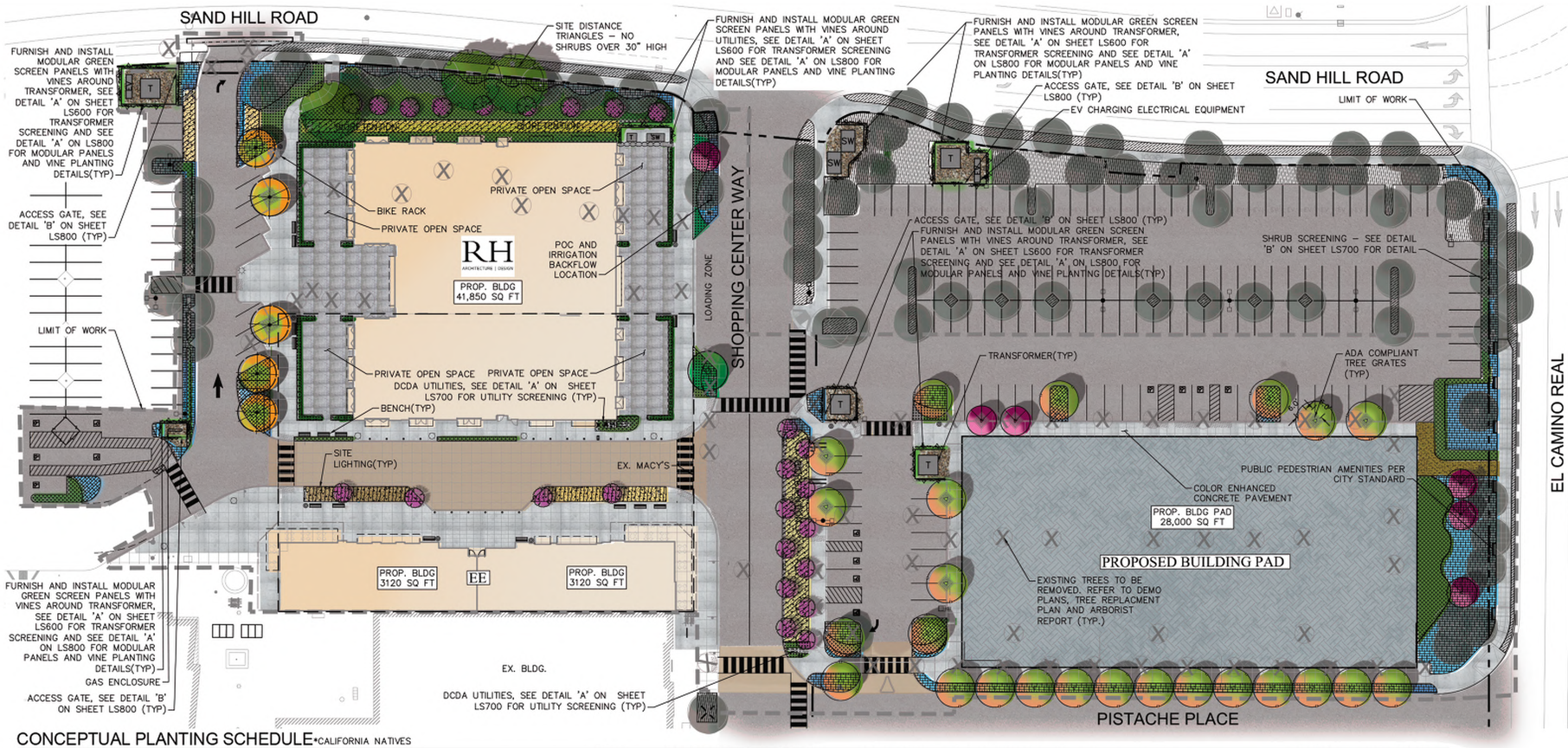
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BIKE PARKING PLAN
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
P3.1



CONCEPTUAL PLANTING SCHEDULE •CALIFORNIA NATIVES



TREES	BOTANICAL NAME / COMMON NAME	WUCOLS	MATURE SIZE
	*CERCIS OCCIDENTALIS / WESTERN REDBUD STANDARD TRUNK – BIORETENTION TREE	LOW	15' HT x 10' W
	EXISITING TREE EXISTING TREE TO REMAIN. PROTECT IN PLACE.	EXISTING	–
	EXISITING TREE EXISTING TO BE REMOVED – REFER TO DEMO PLANS AND ARBORIST REPORT (TYPICAL)	EXISTING	–
	LIRIODENDRON TULIPIFERA / TULIP TREE	MODERATE	70' HT x 40' W
	PISTACIA CHINENSIS / CHINESE PISTACHE	LOW	35' HT x 25' W
	*PLATANUS X RACEMOSA / WESTERN SYCAMORE	MODERATE	60' HT x 40' W
	PRUNUS CERASIFERA / FLOWERING PLUM	LOW	20' HT x 15' W
	PYRUS CALLERYANA / ORNAMENTAL PEAR	MODERATE	40' HT x 30' W
	*QUERCUS AGRIFOLIA / COAST LIVE OAK	LOW	60' HT x 50' W



SHRUBS	BOTANICAL NAME / COMMON NAME	WUCOLS	MATURE SIZE
	*ABUTILON PALMERI / INDIAN MALLOW	LOW	4' HT x 4' W
	*ARCTOSTAPHYLOS PAJAROENSIS 'PARADISE' / PAJARO MANZANITA	MODERATE	2' HT x 2' W
	*ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN' / HOWARD MCMINN MANZANITA	LOW	8' HT x 8' W
	BUXUS SEMPERVIRENS / AMERICAN BOXWOOD	MODERATE	2' HT x 2' W
	*SALVIA X 'GAYLE NIELSON' / GAYLE NIELSON HYBRID SAGE	LOW	4' HT x 4' W
	*CEANOTHUS THYRSIFLORUS 'VICTORIA' / CALIFORNIA LILAC 'VICTORIA'	LOW	6' HT x 8' W
	*LIMONIUM CALIFORNICUM / COASTAL STATICE	LOW	1' HT x 1' W
	*RIBES VIBURNIFOLIUM / EVERGREEN CURRANT	LOW	4' HT x 6' W
	*ROSA CALIFORNICA / CALIFORNIA WILD ROSE	LOW	4' HT x 6' W

BIORETENTION	BOTANICAL NAME / COMMON NAME (MAY ALSO BE USED AS SHRUBS)	WUCOLS	MATURE SIZE
	*BOUTELOUA GRACILIS 'BLONDE AMBITION' / BLUE GRAMA	LOW	2' HT x 2' W
	*CALAMAGROSTIS NUTKAENSIS / REED GRASS	MODERATE	3' HT x 3' W
	*JUNCUS EFFUSUS / COMMON RUSH	LOW	3' HT x 2' W
	*JUNCUS PATENS / CALIFORNIA GRAY RUSH	LOW	2' HT x 2' W
	*LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE WILD RYE	LOW	3' HT x 3' W
	*ARISTIDA PURPUREA / PURPLE THREEAWN	LOW	3' HT x 2' W
	*MUHLENBERGIA RIGENS / DEER GRASS	LOW	4' HT x 4' W

VINES	BOTANICAL NAME / COMMON NAME	WUCOLS	MATURE SIZE
	*CALYSTEGIA MACROSTEGIA / CALIFORNIA MORNING GLORY	LOW	30' HT
	*VITIS CALIFORNICA / CALIFORNIA WILD GRAPE	LOW	30' HT

GROUND COVERS	BOTANICAL NAME / COMMON NAME	WUCOLS	
	*ARCTOSTAPHYLOS X 'EMERALD CARPET' / EMERALD CARPET MANZANITA	MODERATE	1' HT x 4' W
	*ERIOGONUM ARBORESCENS / SANTA CRUZ ISLAND BUCKWHEAT	LOW	5' HT x 7' W
	*BACCHARIS PILULARIS / DWARF COYOTE BUSH	LOW	2' HT x 8' W
	*CEANOTHUS GRISEUS VAR. HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CEANOTHUS	LOW	3' HT x 8' W

EXISTING LANDSCAPE		
	EXISTING LANDSCAPE TO REMAIN	–

INERT MATERIAL		
	DECOMPOSED GRANITE	–

STATEMENT OF DESIGN INTENT

THE SELECTION OF PLANT MATERIAL IS BASED ON EXISTING LANDSCAPE WITHIN THE SITE, AESTHETIC, AND MAINTENANCE CONSIDERATIONS. ALL PLANTING AREAS SHALL RECEIVE SIMILAR LANDSCAPE TREATMENT AS THOSE SURROUNDING AREAS AND BE PREPARED WITH APPROPRIATE SOIL AMENDMENTS, FERTILIZERS AND APPROPRIATE SUPPLEMENTS BASED UPON A SOILS REPORT FROM AN AGRICULTURAL SUITABILITY SOIL SAMPLE TAKEN FROM THE SITE. WOOD MULCH LOCALLY SUPPLIED SHALL FILL IN BETWEEN SHRUBS TO SHIELD THE SOIL FROM THE SUN, EVAPOTRANSPIRATION, AND RUN-OFF. ALL SHRUB BEDS SHALL BE MULCHED TO A 3" DEPTH TO HELP CONSERVE WATER, LOWER SOIL TEMPERATURE, AND REDUCE WEED GROWTH. THE SHRUBS SHALL BE ALLOWED TO GROW IN THEIR NATURAL FORMS. ALL LANDSCAPE IMPROVEMENTS SHALL FOLLOW THE GUIDELINES SET FORTH BY THE CITY OF PALO ALTO MUNICIPAL CODE.

IRRIGATION NOTE

AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED TO PROVIDE 100% COVERAGE FOR ALL PLANTING AREAS SHOWN ON THE PLAN. THE WATER SUPPLY FOR THIS SITE IS A POTABLE WATER CONNECTION FROM AN EXISTING DEDICATED IRRIGATION METER. LOW VOLUME EQUIPMENT SHALL PROVIDE SUFFICIENT WATER FOR PLANT GROWTH WITH NO WATER LOSS DUE TO WATER CONTROLLERS, AND OTHER NECESSARY IRRIGATION EQUIPMENT. ALL POINT SOURCE SYSTEM SHALL BE ADEQUATELY FILTERED AND REGULATED PER THE MANUFACTURER'S RECOMMENDED DESIGN PARAMETERS. ALL IRRIGATION IMPROVEMENTS SHALL FOLLOW THE GUIDELINES SET FORTH BY THE CITY OF PALO ALTO MUNICIPAL CODE.

LANDSCAPE NOTES

1. THE DESIGN SHALL MEET ALL ADA AND APPLICABLE STATE AND LOCAL CODES..
2. PLANT SCHEDULE QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
3. ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE ENGINEER IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY ENGINEER BEFORE PLANTING CAN BEGIN.
4. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO ALL EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ANY REPAIRS REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE ENGINEER.
5. PROTECT EXISTING TREES AND PLANTS TO REMAIN.
6. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
7. CONTRACTOR SHALL REPAIR ANY DAMAGES TO EXISTING IRRIGATION LINES NOT SPECIFICALLY CALLED OUT ON LANDSCAPE AND IRRIGATION PLANS FOR REMOVAL AT NO ADDITIONAL COST TO THE OWNER.
8. MULCH: 3" DEPTH WOOD MULCH (SEE SPECIAL PROVISIONS) IN ALL LANDSCAPE BED AREAS.
9. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN PLANTED AREAS BY MEANS OF CONTINUOUS WATERING, PRUNING, RAISING TREE ROOT BALLS WHICH SETTLE BELOW GRADE, APPLICATION OF SPRAYS WHICH ARE NECESSARY TO KEEP THE PLANTINGS FREE OF INSECTS AND DISEASES, FERTILIZING, WEEDING, MOWING, EDGING AND/OR OTHER OPERATIONS NECESSARY FOR PROPER CARE AND UPKEEP.
10. LANDSCAPE CONTRACTOR TO TAG AND HOLD ALL PLANT MATERIAL A MINIMUM OF 30 DAYS PRIOR TO DATE OF INSTALLATION. ALL PLANT MATERIAL SUBSTITUTIONS MADE WITHIN THE 30 DAYS PRIOR TO INSTALLATION TO BE THE NEXT SIZE LARGER AT NO ADDITIONAL COST TO THE CITY.
11. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL LANDSCAPING DISTURBED OR INSTALLED BY THE PROJECT FROM THE TIME THE LANDSCAPING IS DISTURBED OR MATERIAL IS BROUGHT ON SITE THROUGH END OF PLANT ESTABLISHMENT PERIOD ACCEPTANCE BY ENGINEER.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY

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LANDSCAPE PLAN
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LS100.1

Plotted By:Bouchard, Eden Sheet Set:Xno Layout:LS100 November 06, 2019 08:08:24pm \\pistp01\CA_PLS\Project\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\Landscape Plan\LS100 Schematic Landscape Plan.dwg
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TREES PROPOSED AROUND MALL PROPERTY=+/-35

TREES PROPOSED IN REDEVELOPMENT=64

PROPOSED BUILDING PAD

NOTES

1. ALL DIMENSIONS ARE APPROXIMATE AND WERE MEASURED USING IMPRECISE METHODS.

LEGEND

PROPERTY LINE

GRAPHIC SCALE IN FEET
0 50 100 200

TREE REPLACEMNT SUMMARY

TOTAL REQUIRED REPLACEMENT TREES =	225 TREES
TOTAL TREES PROPOSED IN REDEVELOPMENT SITE =	64 TREES
TOTAL TREES PROPOSED WITH IN MALL PROPERTY (APPROX.) =	35 TREES
TOTAL TREES TO BE A PAYMENT TO A TREE FUND (APPROX.) =	126 TREES

No.	REVISIONS	DATE	BY

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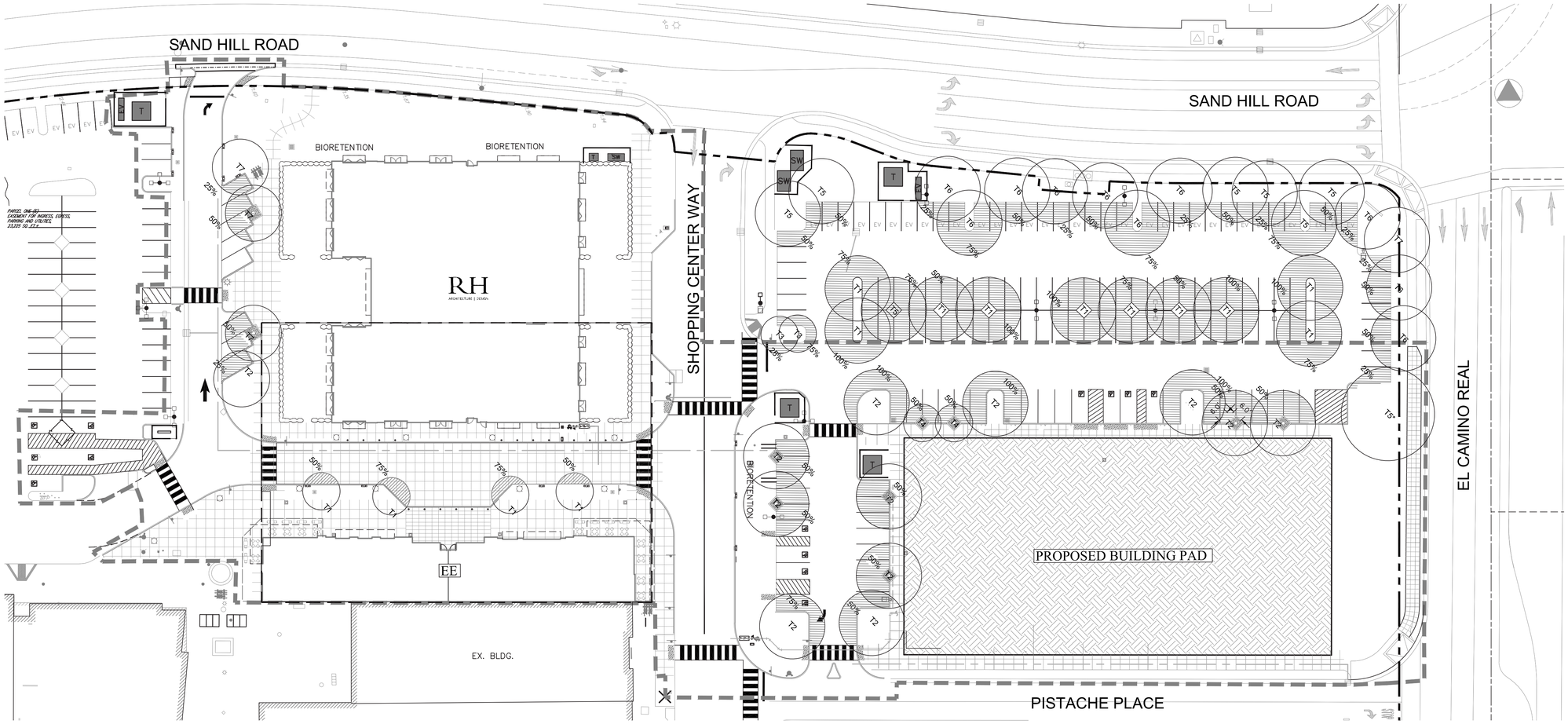
TREE REPLACEMENT PLAN
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LS200.1

Plotted By:Bouchard, Eden Sheet Set:Kha Layout:LOADING PLAN November 05, 2019 05:10:52pm \\plsfp01\CA_PLS\Project\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\LS200 Tree Replacement Plan.dwg
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SHADE SUMMARY

PARKING AREA: (INCLUDES ALL PARKING STALLS, DRIVE AISLES, AND MANEUVERING AREAS)	47,665 S.F.
50% SHADING REQUIRED FOR UNCOVERED AREAS:	23,832.5 S.F.
PARKING AREA SHADED BY TREES:	25,644 S.F. (54%)
TOTAL SHADE AREA NEEDED TO MEET CODE:	0 S.F.

TREE SHADE CALCULATIONS

PARKING AREA SHADED BY TREES

SYM / CANOPY SQ.FT	BOTANICAL NAME / COMMON NAME	FULL SQ FT	3/4 SQ FT	1/2 SQ FT	1/4 SQ FT	TOTAL SQ FT
T1 / (35'/962)	*Celtis occidentalis / Hackberry	5@962	3@722	2@481		7,938 SF
T1 (20'/962)	Cercis occidentalis / Western Redbud		2@236	2@157		786 SF
T2 / (35'/706)	Pistacia chinensis / Chinese Pistache	3@962	1@722	7@481		6,975 SF
T3 / (20'/314)	*Prunus cerasifera / Purple Leaf Plum		1@236		2@79	394 SF
T4 / (20'/314)	Prunus cerasifera / Purple Leaf Plum			2@157	1@79	393 SF
T5 / (35'/962)	*Quercus agrifolia / Coast Live Oak		2@722	4@481	2@241	3,850 SF
T6 / (35'/962)	*Quercus lobata / Valley Oak		2@722	4@481	4@241	4,332 SF
T7 / (30'/962)	*Platanus racemosa/ California Sycamore			2@354	3@177	1,239 SF
---------	----------					
---------	----------					
				TOTAL TREE SHADE=		25,907 SF
				TOTAL PAVED AREA=		47,665 SF
				PERCENT SHADE=		54%

*Note: existing tree shown at standard canopy diameter (15 year maturity) if smaller and shown at current size if larger than standard canopy diameter.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY

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CITY OF PALO ALTO CALIFORNIA

PARKING LOT TREE SHADE PLAN
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LS300.1

Plotted By:Bouchard, Eden Sheet Set:Kha Layout:LS300 November 05, 2019 05:14:12pm \\pleifp01\CA_PLS\Project\BAY_LDE\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\Landscape Plan\LS100 Schematic Landscape Plan.dwg
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TREES



Cercis occidentalis // Western Redbud

H: 15’ x SP: 10’
CA Native Low Water, Showy Fall Color. Ornamental Tree.



Liriodendron tulipifera // Tulip Tree

H: 50’ x SP: 30’
Low Water, Fast Grower, Broad Canopy Shade Tree, Showy Fall Color. Great Shade Tree.



Pistachia chinensis // Chinese Pistache

H: 30’-35’ x SP: 25’-30’
Low Water, Ornamental, Dependable.



**Platanus x racemosa* Western Sycamore

H: 30’ - 80’ x SP: 20’-50’
Moderate Water, Fast Grower, Heat and Wind Tolerant, Great Shade Tree.



Prunus cerasifera // Flowering Plum

H: 20’ x SP: 15’
Moderate Water, Moderate Grower, Ornamental Tree, Showy Flowering. Great Accent Tree.



Pyrus calleryana // Ornamental Pear

H: 25’ - 35’ x SP: 15’ - 25’
Moderate Water, Moderate Grower, Thornless Variety, , Showy Flowering. Great Accent Tree.

TREES



**Quercus agrifolia* // Cork Oak

H: 40’ - 70’ x SP: 40’ - 70’
CA Native, Drought Tolerant, Broad Canopy Shade Tree

SHRUBS



**Abutilon palmeri* // Indian Mallow

H: 3’ - 8’ x SP: 3’ - 5’
CA Native Evergreen. Serrated, Bluish Green and Wooly. Orange, Yellow Flower.



**Arctostaphylos pajaroensis ‘Paradise’*// Pajaro Manzanita

H: 2’ - 3’ x SP: 3’ - 5’
CA Native, Spreading Evergreen. Pink Flowers, Moderate Water Needs



**Arctostaphylos densiflora “Howard McMinn”* // Howard McMinn Manzanita

H: 3’ x SP: 6’
CA Native Evergreen, Mounding, Spreading Growth Habit.



Buxus sempervirens // American Boxwood

H: 5’ - 15’ x SP: 5’ - 15’
Broadleaf Evergreen. Insignificant Flowering. Nice Winter Interest.



**Salvia x’Gayle Nielson’*// Gayle Nielsen Hybrid Sage

H: 4’ x SP: 4’
CA Native, Versatile, Fragrant, Drought Tolerant. Violet Flowers.

SHRUBS



**Ceanothus Thyrsiflorus ‘Victoria’* // Victoria California Lilac

H: 6’-9’ x SP: 10’-12’
CA Native Broadleaf Evergreen. Bold



**Limonium californicum*// Coastal Statice

H: 18” x SP: 2’ - 3’
CA Native, Large Clustering Flowers. Great Color Accent.



**Ribes viburnifolium* // Evergreen Currant

H: 2’- 3’ x SP: 8’
CA Native, Fragrant Evergreen. Spreading, Weeping Habit.



**Rosa californica* // California Wild Rose

H: 4’ x SP: 6’
CA Native, Popular Rose Bush.
Stunning in Mass Planting, Low Water Needs

BIO-RETENTION



**Bouteloua gracilis ‘Blonde Ambition’* // Blue Grama

H: 3’ x SP: 3’
CA Native, Hardy Grass. Striking, Flag-Like, Golden Flowers.



**Calamagrostis nutkaensis* // Reed Grass

H: 3’ x SP: 3’
CA Native, Popular Ornamental Grass. Clumping Habit. Plant for Hydric Zones.



**Juncus effuses*// Common Rush

H: 3’- 4’ x SP: 2’ - 3’
CA Native, Dense, Basal Clumps. Dark Green, Smooth Stems.



**Juncus patens* // California Gray Rush

H: 1’ - 3’ x SP: 3’
CA Native Hydric Grass. Gray, Green Stems with Brown Flower.



**Leymus condensatus ‘Canyon Prince’*// Canyon Prince Wild Rye

H: 3’ x SP: 3’
CA Native Clump Forming

BIO-RETENTION



**Aristida purpurea*// Purple Threeawn

H: 3” x SP: 2’
CA Native, Fine Texture. Upright Form, Drought Resistant



**Muhlenbergia rigens* // Deer Grass

H: 4’ - 5’ x SP: 4’
CA Native Versatile, Evergreen Grass. Upright, Fountain habit.

VINES



**Calystegia macrostegia* // California Morning Glory

H: 30’
CA Native, Quick Climbing Vine. Leathery, Bold White Flowers.



**Vitis californica* //California Wild Grape

H: 30’
CA Native, Easy Growing Vine. Great Fall Interest.

GROUNDCOVER



**Arctostaphylos x ‘Emerald Carpet’* // Emerald Carpet Manzanita

H: 1’ x SP: 3’ - 5’
CA Native Compact, Dense Evergreen.
White Bloom in Spring.



**Eriogonum arborescens*// Santa Cruz Island Buckwheat

H: 4’-5” x SP: 7’
CA Native, Sturdy, Spreading, White to Reddish Brown Flowers.



**Ceanothus griseus var. horizontalis ‘Yankee Point’*// Yankee Point Ceanothus

H: 3’ x SP: 8’
CA Native, Durable, Blue Flowers



**Baccharis pilularis* // Dwarf Coyote Bush

H: 1’ - 2’ x SP: 6’ - 8’
CA Native Groundcover.

*= CA Native

No.	REVISIONS	DATE	BY

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PLANT PALLET DETAILS
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LS400.1

Plotted By:Cameron, Corey Sheet Set:Kina Layout:LS400 November 04, 2019 03:47:22pm \\sjcfp01\CA_SJC\Project\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\Landscape Plan\LS100 Schematic Landscape Plan.dwg
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INTERGRAL COLOR ENHANCED CONCRETE AND BANDING



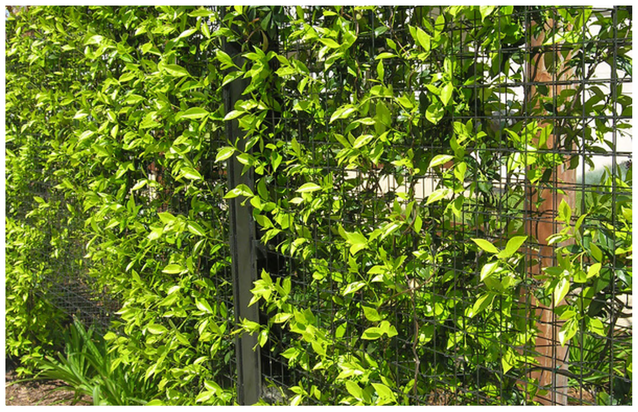




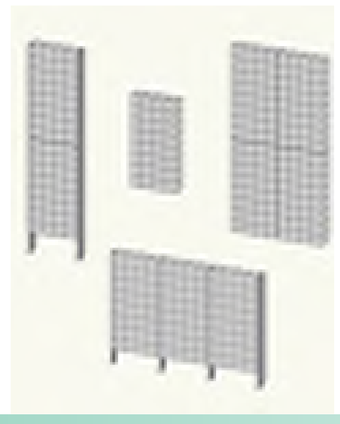




SITE FURNISHINGS











GREEN SCREEN TRELLIS

SEE DETAILS ON SHEET LS800

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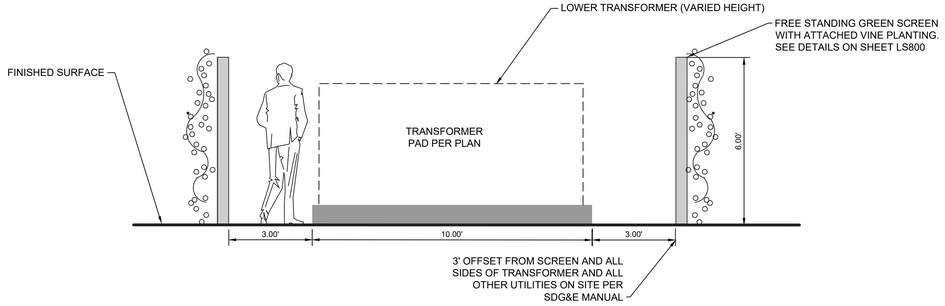
MATERIALS PALETTE
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

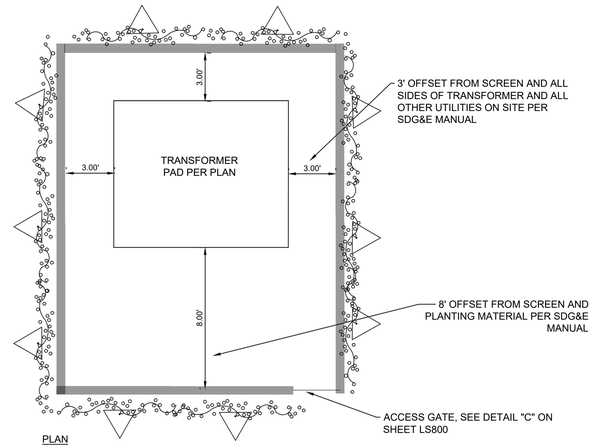
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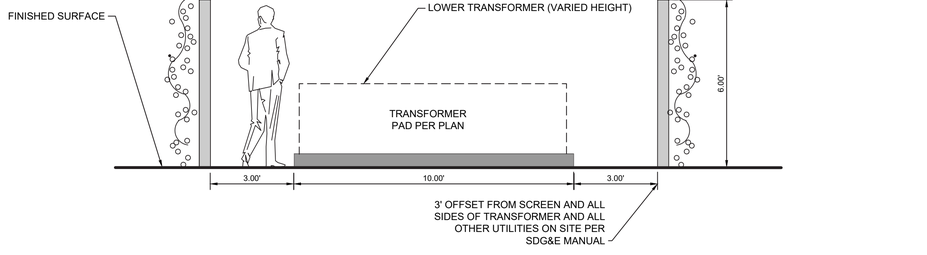


ELEVATION

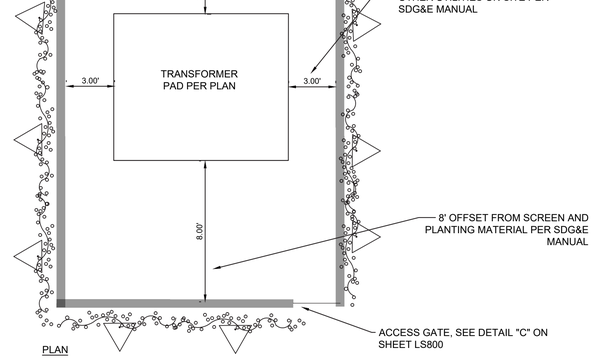


PLAN

(A) TRANSFORMER SCREENING (TALLER HEIGHT)
NTS



ELEVATION



PLAN

(A.1) TRANSFORMER SCREENING (LOWER HEIGHT)
NTS

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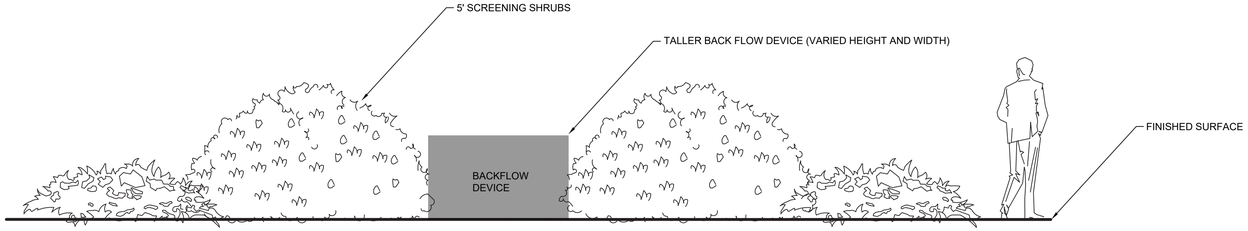
TRANSFORMER SCREENING
OPTION 1

PLANNING
APPLICATION NO.
19PLN - 00110

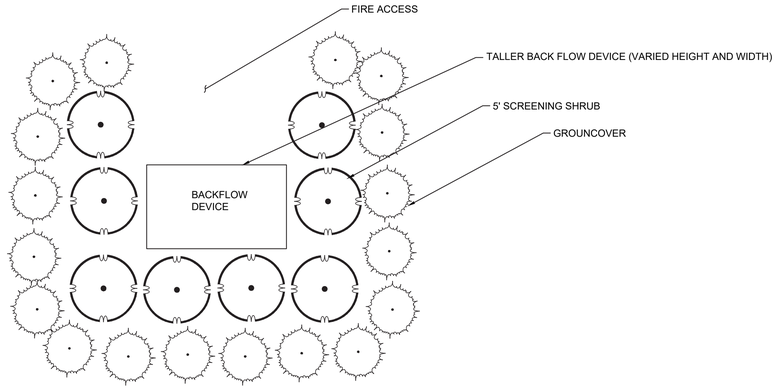
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ELEVATION



PLAN

A DCDA SCREENING (TALLER HEIGHT)
NTS

ELEVATION

PLAN

A.1 DCDA SCREENING (LOWER HEIGHT)
NTS

SECTION

B SHRUB PLANTING TO SCREEN PARKING AREA
NTS

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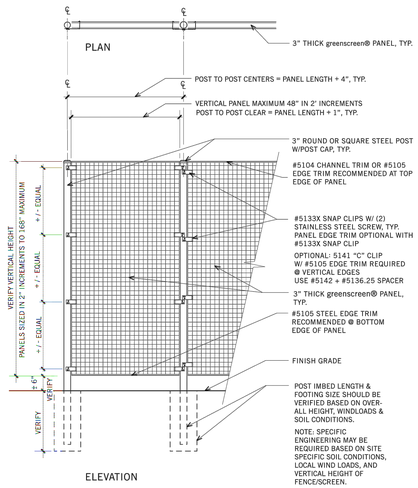
FIRE UTILITY AND PARKING SCREENING
OPTION 1

PLANNING APPLICATION NO.
19PLN - 00110

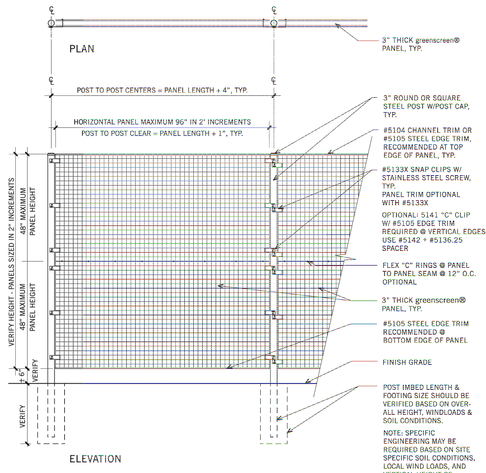
DATE
NOVEMBER 06, 2019

SHEET NUMBER
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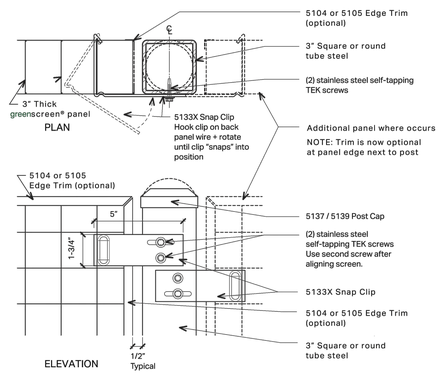
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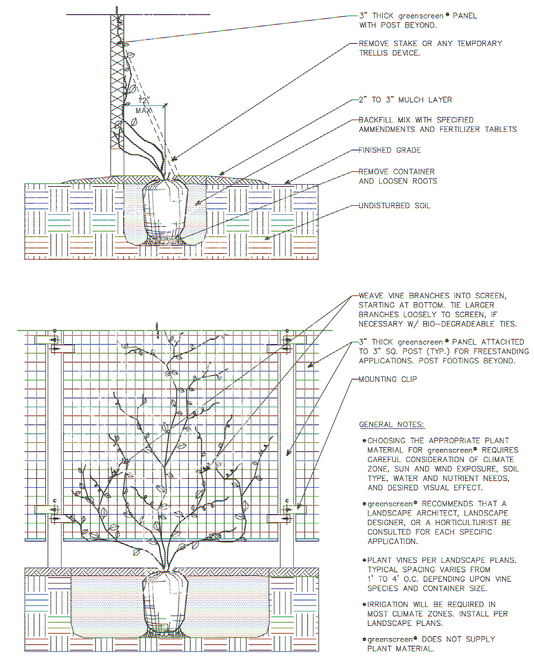
A FREESTANDING VERTICAL GREEN SCREEN/FENCE
NTS



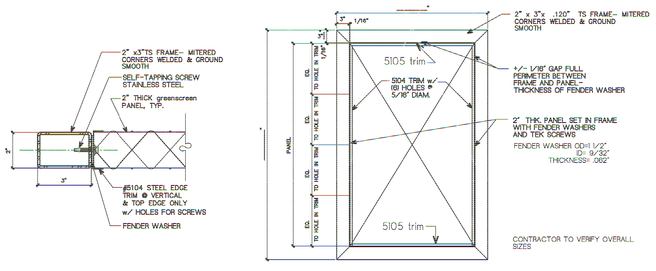
A.1 FREESTANDING HORIZONTAL GREEN SCREEN/FENCE
NTS



A.2 SNAP CLIP CONNECTION
NTS



A.3 VINE PLANTING ON SCREEN
NTS



B GREEN SCREEN GATE
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MODULAR GREEN SCREEN AND VINE PLANTING DETAILS
OPTION 1

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LS800.1

Plotted By:Cameron, Corey Sheet Set:Kha Layout:LS800 November 04, 2019 03:49:32pm \\sjcfp01\CA_SJC\Project\BAY_LDEV\197145002 - Simon - Stanford Mall - MCM\08 CADD\Plan Sheets\Landscape Plan\LS100 Schematic Landscape Plan.dwg
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City of Palo Alto
Tree Protection - It's Part of the Plan!

Make sure your crews and subs do the job right!

Fenced enclosures around trees are essential to protect them by keeping the foliage canopy and branching structure clear from contact by equipment, materials and activities, preserving roots and soil conditions in an intact and non-compacted state, and identifying the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved. **An approved tree protection report must be added to this sheet when project activity occurs within the TPZ of a regulated tree.**
For detailed information on Palo Alto's regulated trees and protection during development, review the **City Tree Technical Manual** (TTM) found at www.cityofpaloalto.org/trees/.

TREE DISCLOSURE STATEMENT

CITY OF PALO ALTO
Planning Division, 250 Hamilton Avenue
Palo Alto, CA 94301
(650) 329-2441
http://www.cityofpaloalto.org

Palo Alto Municipal Code, Chapter 8.10.040, requires disclosure and protection of certain trees located on private and public property, and that they be shown on submitted and approved site plans. A completed *tree disclosure statement* must accompany all permit applications that include exterior work, all demolition or grading permit applications, or other development activity.

PROPERTY ADDRESS: 180 El Camino Real

Are there Regulated[1] trees on or adjacent to the property? (YES) **NO** (If no, proceed to Section 4)

[Sections 1- 4 MUST be completed by the applicant. Please circle and/or check where applicable.]

1. Where are the trees? Check those that apply. **(Plans must be submitted showing all trees over 4" diameter)**
   - ☒ On the property
   - ☐ On adjacent property overhanging the project site
   - ☒ In the City planter strip or right-of-way easement within 30' of property line (Street Trees)*

*Street trees **require special protection by a fenced enclosure,** per the attached instructions. Prior to receiving any permit, you must provide an authorized Street Tree Protection Verification form. Contact Public Works Operations at (650) 496-5953 for inspection of type I, II or III fencing (see attached Detail #605) required for all street trees.

2. Are there any Protected[1] or Designated[1] Trees? (YES)(Check where applicable) **NO**
   - ☒ Protected Tree (s)
   - ☐ Designated Tree (s)
   - ☐ On or overhanging the property

3. Is there activity or grading within the dripline? (radius 10 times the trunk diameter) of these trees? (YES) **NO**
*If Yes, a **Tree Preservation Report** must be prepared by an ISA certified arborist and submitted for staff review (see TTM , Section 6.25). Attach this report to Sheet T-1,"Tree Protection, its Part of the Plan!", per Site Plan Requirements.*

4. Are the Site Plan Requirements** completed? (YES) **NO**

**Plans. Protection of Regulated trees during development require the following: (1) Plans must show the measured trunk diameter and canopy dripline; (2) Plans must denote, as a bold dashed line, a fenced enclosure area out to the dripline, per Sheet T-1 and Detail #605 - http://www.cityofpaloalto.org/trees/forms.htm . (See also TTM , Section 2.15 for area to be fenced)

I, the undersigned, agree to the conditions of this disclosure. I understand that knowingly or negligently providing false or misleading information in response to this disclosure requirement constitutes a violation of the Palo Alto Municipal Code Section 8.10.040, which can lead to criminal and/or civil legal action.

Signature: _____ (Prop. Owner or Agent) Print: Matthew S Klinzing Date: September 24, 2019

FOR STAFF USE:

Protective Fencing
Sections 5-6 must be **completed by staff** for the issuance of any development permit (demolition, grading or building permit).

5. Protected Trees. The specified tree fencing is in place. A written statement is attached verifying that protective fencing is correctly in place around protected and/or designated trees. **YES NO**
(N/A if there are no protected trees, check here ☐)

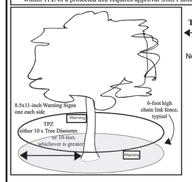
6. Street Trees. A signed Public Works Street Tree Protection Verification form is attached. **YES NO**
(N/A if there are no street trees, check here ☐).

[1] Regulated Trees – a) Street trees – trees on public property; b) Protected trees – Coast Live Oaks or Valley Oaks which are 11.5" in diameter or larger, Coast Redwoods which are 18" in diameter or larger, when measured 54" above natural grade; and Heritage trees are trees designated by City Council; and c) Designated Trees – commercial or non-residential property trees, which are part of an approved landscape plan.
[2] Palo Alto Tree Technical Manual (TTM) contains instructions for all requirements on this form, available at www.cityofpaloalto.org/trees/technical-manual.html

S:\PLAN\PLADM\Advance Planning\Arborist\Tree Program Information\Tree Disclosure Statement[TDS]\Tree Disclosure StatementFinal_.207.doc Revised 03/04/07

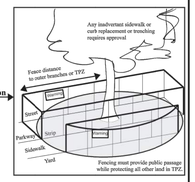
For written specifications associated with illustrations below, see Public Works Specifications Section 31
Detailed specifications are found in the Palo Alto Tree Technical Manual (TTM) (www.cityofpaloalto.org/trees/)

Tree Protection Zone (TPZ) shown in gray (radius of TPZ equals 10-times the diameter of the tree or 10-feet, whichever is greater).
- Restricted activity area – see Tree Technical Manual Sec 2.15(E).
- Restricted trenching area – see Tree Technical Manual Sec 2.20(C-D), any proposed trench or form work within TPZ of a protected tree requires approval from Public Works Operations. Call 650-496-5953.

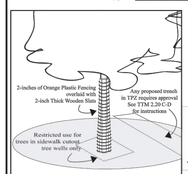


Type I Tree Protection — For all Ordinance Protected and Designated trees, as detailed in the site specific tree preservation report (TPR) prepared by the applicant's project arborist as diagramed on the plans.

Note: Ordinance Protected & Designated Trees. Issuance of a permit requires applicant's project arborist written verification Type I is installed correctly according to the plans and Tree Preservation Report



Type II Tree Protection



Note: Street Trees. Issuance of a permit requires Public Works Operations inspection and signed approval on the Street Tree Verification (STV) form provided.

Type III Tree Protection
(to be used only with approval of Public Works Operations)

Tree fencing is required and shall be erected before demolition, grading or construction begins.

Rev	By	Date		
0	DWH	12/14/92	Tree Protection During Construction	Approved by: Dave Dockter
01	D.D.	08/04/04		PE No.
02	D.D.	08/10/06		Date 2006
			City of Palo Alto Standard	Dwg No. 605

Scale: NTS

APPENDIX J

PALO ALTO
STREET TREE PROTECTION INSTRUCTIONS
–SECTION 31–

31-1 General
a. **Tree protection has three primary functions**, 1) to keep the foliage canopy and branching structure clear from contact by equipment, materials and activities; 2) to preserve roots and soil conditions in an intact and non-compacted state and 3) to identify the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved.
b. **The Tree Protection Zone (TPZ)** is a restricted area around the base of the tree with a radius of ten-times the diameter of the tree's trunk or ten feet; whichever is greater, enclosed by fencing.

31-2 Reference Documents
a. **Detail 605** – Illustration of situations described below.
b. **Tree Technical Manual (TTM) Forms** (http://www.cityofpaloalto.org/trees/)
1. Trenching Restriction Zones (TTM, Section 2.20(C))
2. Arborist Reporting Protocol (TTM, Section 6.30)
3. Site Plan Requirements (TTM, Section 6.35)
4. Tree Disclosure Statement (TTM, Appendix J)
c. **Street Tree Verification (STV) Form** (http://www.cityofpaloalto.org/trees/forms)

31-3 Execution
a. **Type I Tree Protection:** The fence shall enclose the entire TPZ of the tree(s) to be protected throughout the life of the construction project. In some parking areas, if fencing is located on paving or concrete that will not be demolished, then the posts may be supported by an appropriate grade level concrete base, if approved by Public Works Operations.
b. **Type II Tree Protection:** For trees situated within a planting strip, only the planting strip and yard side of the TPZ shall be enclosed with the required chain link protective fencing in order to keep the sidewalk and street open for public use.
c. **Type III Tree Protection:** To be used only with approval of Public Works Operations. Trees situated in a tree well or sidewalk planter pit, shall be wrapped with 2-inches of orange plastic fencing from the ground to the first branch and overlaid with 2-inch thick wooden slats bound securely (slats shall not be allowed to dig into the bark). During installation of the plastic fencing, caution shall be used to avoid damaging any branches. Major limbs may also require plastic fencing as directed by the City Arborist.
d. **Size, type and area to be fenced.** All trees to be preserved shall be protected with six (6') foot high chain link fences. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing. Fencing shall extend to the outer branching, unless specifically approved on the STV Form.
e. **"Warning" signs.** A warning sign shall be weather proof and prominently displayed on each fence at 20-foot intervals. The sign shall be minimum 8.5-inches x 11-inches and clearly state in half inch tall letters: "WARNING - Tree Protection Zone - This fence shall not be removed and is subject to a fine according to PAMC Section 8.10.110."
f. **Duration.** Tree fencing shall be erected before demolition; grading or construction begins and remain in place until final inspection of the project, except for work specifically allowed in the TPZ. Work or soil disturbance in the TPZ requires approval by the project arborist or City Arborist (in the case of work around Street Trees). Excavations within the public right of way require a Street Work Permit from Public Works.
g. **During construction**
1. All neighbors' trees that overhang the project site shall be protected from impact of any kind.
2. The applicant shall be responsible for the repair or replacement plus penalty of any publicly owned trees that are damaged during the course of construction, pursuant to Section 8.04.070 of the Palo Alto Municipal Code.
3. The following tree preservation measures apply to all trees to be retained:
   a. No storage of material, topsoil, vehicles or equipment shall be permitted within the TPZ.
   b. The ground under and around the tree canopy area shall not be altered.
   c. Trees to be retained shall be irrigated, aerated and maintained as necessary to ensure survival.

END OF SECTION

City of Palo Alto 2004 Standard Drawings and Specifications
Street Tree Verification of Protection, PWE, Section 31 Revised 08/06

Table 2-2 Palo Alto Tree Technical Manual

CONTRACTOR & ARBORIST INSPECTION SCHEDULE

Reference the Palo Alto Tree Technical Manual is available at www.cityofpaloalto.org/environment/

ALL CHECKED ITEMS APPLY TO THIS PROJECT:

1. ☑ **Inspection of Protective Tree Fencing**. For Public Trees, the Street Tree Verification Form shall be signed by the City Arborist. For Protected Trees, the project site arborist shall provide an initial Monthly Tree Activity Report form with a photograph verifying that he has conducted a field inspection of the trees and that the correct type of protective fencing is in place around the designated tree protection zone (TPZ) prior to issuance of a demolition, grading, or building permit. (See TTM, Verification of Tree Protection, Section 1.39).
2. ☑ **Pre-Construction Meeting**. Prior to commencement of construction, the applicant or contractor shall conduct a pre-construction meeting to discuss tree protection with the job site superintendent, grading operators, project site arborist, City Arborist, and, if a city maintained irrigation system is involved, the Parks Manager (Contact 650-496-6962).
3. ☑ **Inspection of Rough Grading or Trenching**. Contractor shall ensure the project site arborist performs an inspection during the course of rough grading or trenching adjacent to or within the TPZ to ensure trees will not be injured by compaction, cut or fill, drainage and trenching, and if required, inspect aeration systems, tree wells, drains and special paving. The contractor shall provide the project arborist at least 24 hours advance notice of such activity.
4. ☑ **Monthly Tree Activity Report Inspections**. The project site arborist shall perform a minimum monthly activity inspection to monitor and advise on conditions, tree health and retention or, immediately if there are any revisions to the approved plans or protection measures. The Tree Technical Manual Monthly Tree Activity Report format shall be used and sent to the Planning Dept. landscape review staff no later than 14 days after issuance of building permit date. Fax to (650) 329-2154. (See TTM, Monthly Tree Activity Inspection Report, Addendum 11 & section 1.17).
5. ☑ **Special activity within the Tree Protection Zone**. Work in the TPZ area (see also #7 below) requires the direct onsite supervision of the project arborist (see TTM, Trenching, Excavation & Equipment, Section 2.20 C).
6. ☐ **Landscape Architect Inspection**. For discretionary development projects, prior to temporary or final occupancy the applicant or contractor shall arrange for the Landscape Architect to perform an on site inspection of all plant stock; quality of the materials and planting (see TTM, Planting Quality, Section 5.20.1 A) and that the irrigation is functioning consistent with the approved construction plans. The Planning Dept. landscape review staff shall be in receipt of written verification of Landscape Architect approval prior to scheduling the final inspection, unless otherwise approved.
7. ☐ **List Other** (please describe as called out in the site Tree Preservation Report, Sheet T-1, T-2, etc.)
   - _____
   - _____

City of Palo Alto
Tree Technical Manual

To purchase the Tree Technical Manual

June, 2001 First Edition

View by section:

- Table of Contents (PDF, 87KB)
- Intent and Purpose (PDF, 1.05MB)
- Introduction – Use of Manual (PDF, 1.05MB)
- Section 1.0 - Definitions (PDF, 96KB)
- Section 2.0 - Protection of Trees During Construction (PDF, 259KB)
- Section 3.0 - Removal, Replacement & Planting of Trees (PDF, 117KB)
- Section 4.0 - Hazardous Trees (PDF, 105KB)
- Section 5.0 - Tree Maintenance Guidelines (PDF, 110KB)
- Section 6.0 - Tree Reports (PDF, 84KB)

View ALL sections:

- Tree Technical Manual - Full (PDF, 1.84MB)

APPENDICES
A. Palo Alto Municipal Code Chapter 8.10, Tree Preservation & Management Regulations
B: Tree City – USA
C: ISA Hazard Evaluation Form
D: List of Inherent Failure Patterns for Selected Species (Reference source)
E: ISA Tree Pruning Guidelines (PDF, 1.85MB)
F: Tree Care Safety Standards, ANSI Z133.1-1994 (Reference source)
G: Pruning Performance Standards, ANSI A300-1995 (Reference source) H: Tree Planting Details, Diagram 504 & 505
I: Tree Disclosure Statement
J: Palo Alto Standard Tree Protection Instructions

City of Palo Alto
Tree Department
Public Works Operations
PO Box 10250 Palo Alto, CA 94303
650/496-5953 FAX: 650/852-0289
treeprotection@CityofPaloAlto.org

Verification of Street Tree Protection

Applicant Instructions: Complete upper portion of this form. Mail or FAX this form along with signed Tree Disclosure Statement to Public Works Dept. Public Works Tree Staff will inspect and notify applicant.

APPLICATION DATE:	
ADDRESS/LOCATION OF STREET TREES TO BE PROTECTED:	
APPLICANT'S NAME:	
APPLICANT'S ADDRESS:	
APPLICANT'S TELEPHONE & FAX NUMBERS:	

This section to be filled out by City Tree Staff

1. The Street Trees at the above address(es) are adequately protected. The type of protection used is:	YES ☐ NO* ☐ * If NO, go to #2 below
Inspected by:	
Date of Inspection:	
2. The Street Trees at the above address are **NOT** adequately protected. The following modifications are required: Indicate how the required modifications were communicated to the applicant.	

Subsequent Inspection

Street trees at above address were found to be adequately protected:	YES ☐ NO* ☐ * If NO, indicate in "Notes" below the disposition of case.
Inspected by:	
Date of Inspection:	
Notes: List City street trees by species, site, condition and type of tree protection installed. Also note if pictures were taken. Use back of sheet if necessary.	

Return approved sheet to Applicant for demolition or building permit issuance.
S:\PWO\PSF\TreeSTDS\TreePrtvrf 5/1706

City of Palo Alto Tree Technical Manual — ADDENDUM 11

Arborist Firm Data Here — email: — ISA/TSA Certified Arborist #WE-000 — Contact Cell #:

Monthly Tree Activity Report- *Construction Site*

Inspection Date: _____ **Inspection #**_____	**Site address:** _____ Palo Alto, CA	**Contractor- Main Site Contact Information**	#1 Job site superintendent Company: Email: Job site Office: Cell: Mail:
		Also present:	• _____ • _____
Distribution:	1. City of Palo Alto 2. Others	**Attn: Dave Dockter**	Dave.dockter@cityofpaloalto.org 650-329-2440

Provide the requested minimum information with each report, customize as necessary. To be completed by project site arborist. Send monthly to city arborist at above address until project completion. Use additional sheets as needed.

1. Assignment Activity (Demolition/grading/sewer/trenching/foundation/list relevant visits)
   a. Pre-construction meeting requirement with sub-contractors
   b. Inspect to verify that tree protection measures are in place
   c. Determine if field adjustments, watering or plan revisions may be needed
2. Field Observations (general site-wide and list by individual tree number)
   a. Tree Protection Fences (TPF) are …
   b. Trenching has/will occur …
3. Action Items (list site-wide, by tree number and date to be satisfied) and Date Due
   a. Tree Protection Fence (TPF) needs adjusting (tree # x, x, x)
   b. Root zone buffer material (wood chips) can be installed next
   c. Schedule sewer trench, foundation dig with …
4. Photographs (use often)
5. Tree Location Map (mandatory 8.5 x 11 sheet)
6. Recommendations, notes or monitor items for project/staff/schedule
   •
7. Past visits (list carry-over items satisfied/still outstanding)
   •

Respectfully submitted,

Project site arborist
Consultant contact information (Include email, cell#, and mailing)
Cc:

Enter Date — CPA Monthly Tree Activity Report: Type site address here — Page #1 of 1

---WARNING---
Tree Protection Zone

This fencing shall not be removed without City Arborist approval (650-496-5953)

Removal without permission is subject to a $500 fine per day*

Palo Alto Municipal Code Section 8.10.110

City of Palo Alto Tree Protection Instructions are located at http://www.city.palo-alto.ca.us/trees/technical-manual.html

SPECIAL INSPECTIONS — PLANNING DEPARTMENT

TREE PROTECTION INSPECTIONS MANDATORY

PAMC 8.10 PROTECTED TREES. CONTRACTOR SHALL ENSURE PROJECT SITE ARBORIST IS PERFORMING REQUIRED TREE INSPECTION AND SITE MONITORING. PROVIDE WRITTEN MONTHLY TREE ACTIVITY REPORTS TO THE PLANNING DEPARTMENT LANDSCAPE REVIEW STAFF BEGINNING 14 DAYS AFTER BUILDING PERMIT ISSUANCE.

BUILDING PERMIT DATE: _____

DATE OF 1ST TREE ACTIVITY REPORT: _____

CITY STAFF: _____

REPORTING DETAILS OF THE MONTHLY TREE ACTIVITY REPORT SHALL CONFORM TO SHEET T-1 FORMAT, VERIFY THAT ALL TREE PROTECTION MEASURES ARE IMPLIMENTED AND WILL INCLUDE ALL CONTRACTOR ACTIVITY, SCHEDULED OR UNSCHEDULED, WITHIN A TREE PROTECTION ROOT ZONE. NON-COMPLIANCE IS SUBJECT TO VIOLATION OF PAMC 8.10.080. REFERENCE: PALO ALTO TREE TECHNICAL MANUAL, SECTION 2.00 AND ADDENDUM 11.

Apply Tree Protection Report on sheet(s) T-2

Use addtional "T" sheets as needed

Project Data

T-1

All other tree-related reports shall be added to the space provided on this sheet (adding as needed)
Include this sheet(s) on Project Sheet Index or Legend Page.
A copy of T-1 can be downloaded at
http://www.cityofpaloalto.org/civica/filebank/blobdload.asp?BlobID=6460

Special Tree Protection Instruction Sheet
City of Palo Alto

T-1

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM

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STANFORD SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

TREE PROTECTION PLAN

PLANNING APPLICATION NO. 19PLN - 00110

DATE
OCTOBER 25, 2019

SHEET NUMBER
T1

Plotted By:Brennemon, Kaitlin Sheet Set:Kha Layout:TREE PROTECTION PLAN October 22, 2019 07:50:49am K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\TREE PROTECTION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

- Cork oak #138 has an underground electrical utility running through its Tree Protection Zone approximately 4 feet from the tree. In order to maintain this location, trenching should not occur within the Tree Protection Zone or within 10 feet of the Tree Protection Fencing. I recommend boring underneath the tree and infrastructure so that at least 24" of soil and roots are left intact to avoid severe root loss from the trenching. The total length of the boring should be at least 25 feet in length to avoid roots outside of the Tree Protection Fencing.

Seventy (70) trees should not be impacted by construction. Root pruning may be required for some trees such as #67-70 which likely have roots on the El Camino side of the sidewalk where excavation will be required to widen the sidewalk. Crown pruning may be required for some trees for construction equipment clearance, but none is currently planned. But many trees will be given more growing space. For example, coast live oak #39 will have a larger area for root growth once construction is complete. It will be important to protect trees being preserved from construction impacts. Impacts to trees being preserved can be minimized by following the **Tree Preservation Guidelines** (below).

The ownership has chosen to retain nine trees in poor condition. These trees are away from the hardscape construction areas, but I recommend monitoring these trees annually to manage for risk and pruning or removing trees requiring management.

Appraisal of Value

The City of Palo Alto requires establishing the value of all assessed trees. To accomplish this, I used the standard methods found in *Guide for Plant Appraisal*, 9th edition (published in 2000 by the International Society of Arboriculture, Champaign IL). In addition, I referred to *Species Classification and Group Assignment* (2004), a publication of the Western Chapter of the International Society of Arboriculture. These two documents outline the methods employed in tree appraisal.

The value of landscape trees is based upon four factors: size, species, condition and location. Size is measured as trunk diameter, normally 54" above grade. The species factor considers the adaptability and appropriateness of the plant in the south bay area. The *Species Classification and Group Assignment* lists recommended species ratings and evaluations. Condition reflects the health and structural integrity of the individual, as noted in the **Tree Assessment**. Location considers the site, placement and contribution of the tree in its surrounding landscape.

The appraised value the 162 trees assessed in this report is **$323,700**. The appraised value of the 86 trees to be removed is **$88,600**, and the appraised value of the 76 trees to be preserved is **$235,100**. The appraised value of each tree is shown in the **Tree Appraisal** Exhibits.

Tree Preservation Guidelines

The goal of tree preservation is not merely tree survival during development but maintenance of tree health and beauty for many years. Trees retained on sites that are either subject to extensive injury during construction or are inadequately maintained become a liability rather than an asset. The response of individual trees will depend on the amount of excavation and grading, the care with which demolition is undertaken, and the construction methods. Coordinating any construction activity inside the **Tree Protection Zone** can minimize these impacts.

The following recommendations will help reduce impacts to trees from development and maintain and improve their health and vitality through the clearing, grading and construction phases.

Tree Protection Zone

1. **A Tree Protection Zone** shall be identified for each tree to be preserved. The **Tree Protection Zone** for each tree shall be the dripline of the tree up to the edge of construction.

2. Fence all trees to be retained to completely enclose the **Tree Protection Zone** prior to demolition, grubbing or grading. Fences shall be 6 ft. chain link with posts sunk into the ground or equivalent as approved by the City. Figure 1 shows the location of the Tree Protection Fencing.



Figure 1 – Tree Protection Fencing (red) shall protect the dripline of each tree up to the perimeter fence or edge of construction.

3. Fences must be installed prior to beginning demolition and must remain until construction is complete. The Project Arborist shall inspect Tree Protection Fencing prior to demolition or construction activities.
4. No grading, excavation, construction or storage or dumping of materials shall occur within the **Tree Protection Zone**.
5. No underground services including utilities, sub-drains, water or sewer shall be placed in the **Tree Protection Zone**.

Design recommendations

1. Any changes to the plans affecting the trees should be reviewed by the consulting arborist with regard to tree impacts. These include, but are not limited to, site plans, improvement plans, utility and drainage plans, grading plans, landscape and irrigation plans, and demolition plans.
2. Plan for tree preservation by designing adequate space around trees to be preserved. This is the **Tree Protection Zone**. No grading, excavation, construction or storage of materials should occur within that zone. Route underground services including utilities, sub-drains, water or sewer around the **Tree Protection Zone**.
3. Consider the vertical clearance requirements near trees during design. Avoid designs that would require pruning more than 20% of a tree's canopy.
4. All plans affecting trees shall be reviewed by the Consulting Arborist with regard to tree impacts. These include, but are not limited to, demolition plans, grading plans, drainage plans, utility plans, and landscape and irrigation plans.
5. Irrigation systems must be designed so that no trenching severs roots larger than 1" in diameter will occur within the **Tree Protection Zone**.
6. **Tree Preservation Guidelines** prepared by the Consulting Arborist, which include specifications for tree protection during demolition and construction, should be included on all plans.
7. Any herbicides placed under paving materials must be safe for use around trees and labeled for that use.
8. Do not lime the subsoil within 50' of any tree. Lime is toxic to tree roots.
9. As trees withdraw water from the soil, expansive soils may shrink within the root area. Therefore, foundations, footings and pavements on expansive soils near trees should be designed to withstand differential displacement.
10. Ensure adequate but not excessive water is supplied to trees; in most cases occasional irrigation will be required. Avoid directing runoff toward trees.

Pre-demolition and pre-construction treatments and recommendations

1. The demolition and construction superintendents shall meet with the Consulting Arborist before beginning work to review all work procedures, access routes, storage areas, and tree protection measures.
2. Fence all trees to be retained to completely enclose the Tree Protection Zone prior to demolition, grubbing or grading. Fences shall be 6 ft. chain link. Fences are to remain until all grading and construction is completed. The Tree Protection Fencing is shown in Figure 1.
3. When infrastructure requires demolition within the Tree Protection Fencing, the fencing should only be removed under direction of the Project Arborist. The Project Arborist may

recommend wattling or straw bales to protect the tree during demolition and will be present during demolition in these areas.

4. Apply and maintain 4-6" wood chip mulch within the **Tree Protection Zone**. Keep the mulch 2' from the base of tree trunks.
5. Branches extending into the work area that can remain following demolition shall be tied back and protected from damage.
6. Fences are to remain until all grading and construction is completed. Where demolition must occur close to trees, such as removing curb and pavement, install trunk protection devices such as winding silt sock wattling around trunks or stacking hay bales around tree trunks.
7. Prune trees to be preserved to clean the crown of dead branches 1" and larger in diameter, raise canopies as needed for construction activities.
   a. All pruning shall be done by a State of California Licensed Tree Contractor (C61/D49). All pruning shall be done by Certified Arborist or Certified Tree Worker in accordance with the Best Management Practices for Pruning (International Society of Arboriculture, 2002) and adhere to the most recent editions of the American National Standard for Tree Care Operations (Z133.1) and Pruning (A300).
   b. The Consulting Arborist will provide pruning specifications prior to site demolition.
   c. Branches extending into the work area that can remain following demolition shall be tied back and protected from damage.
   d. While in the tree the arborist shall perform an aerial inspection to identify any defects, weak branch and trunk attachments and decay not visible from the ground. Any additional work needed to mitigate defects shall be reported to the property owner.
8. Tree(s) to be removed that have branches extending into the canopy of tree(s) or located within the **Tree Protection Zone** of tree(s) to remain shall be removed by a Certified Arborist or Certified Tree Worker and not by the demolition contractor. The Certified Arborist or Certified Tree Worker shall remove the trees in a manner that causes no damage to the tree(s) and understory to remain. Stumps shall be ground below grade.
9. Trees to be removed shall be felled so as to fall away from **Tree Protection Zone** and avoid pulling and breaking of roots of trees to remain. If roots are entwined, the Consulting Arborist may require first severing the major woody root mass before extracting the trees, or grinding the stump below ground.
10. All down brush and trees shall be removed from the **Tree Protection Zone** either by hand, or with equipment sitting outside the **Tree Protection Zone**. Extraction shall occur by lifting the material out, not by skidding across the ground. Brush shall be chipped and spread beneath the trees within the **Tree Protection Zone**
11. Structures and underground features to be removed within the **Tree Protection Zone** shall use equipment that will minimize damage to trees above and below ground, and operate from outside the **Tree Protection Zone**. The back branches and wrap trunks with protective materials to protect from injury as directed by the Project arborist. The Project arborist shall be on-site during all operations within the **Tree Protection Zone** to monitor demolition activity.
12. All tree work shall comply with the Migratory Bird Treaty Act as well as California Fish and Wildlife code 3503-3513 to not disturb nesting birds. To the extent feasible tree pruning and removal should be scheduled outside of the breeding season. Breeding bird surveys should be conducted prior to tree work. Qualified biologists should be involved in establishing work buffers for active nests.

Recommendations for tree protection during construction

1. Any approved grading, construction, demolition or other work within the **Tree Protection Zone** should be monitored by the Consulting Arborist.
2. No trenching shall occur within the Tree Protection Zone of tree #138 to install the underground electrical utilities. Within the Tree Protection Zone, the construction crew will bore underneath the tree and infrastructure so that no soil is disturbed within 24" of the surface. The total length of the boring shall be at least 25 feet in length to avoid roots outside of the Tree Protection Fencing.
3. All contractors shall conduct operations in a manner that will prevent damage to trees to be preserved.
4. Tree protection devices are to remain until all site work has been completed within the work area. Fences or other protection devices may not be relocated or removed without permission of the Consulting Arborist.
5. Construction trailers, traffic and storage areas must remain outside **Tree Protection Zone** at all times.
6. Any root pruning required for construction purposes shall receive the prior approval of and be supervised by the Project Arborist. Roots should be cut with a saw to provide a flat and smooth cut. Removal of roots larger than 2" in diameter should be avoided.
7. If roots 2" and greater in diameter are encountered during site work and must be cut to complete the construction, the Project Arborist must be consulted to evaluate effects on the health and stability of the tree and recommend treatment.
8. Any brush clearing required within the **Tree Protection Zone** shall be accomplished with hand-operated equipment.
9. All down brush and trees shall be removed from the **Tree Protection Zone** either by hand, or with equipment sitting outside the **Tree Protection Zone**. Extraction shall occur by lifting the material out, not by skidding across the ground.
10. Prior to grading or trenching, trees may require root pruning outside the **Tree Protection Zone**. Any root pruning required for construction purposes shall receive the prior approval of, and be supervised by, the Project Arborist.
11. Spoil from trench, footing, utility or other excavation shall not be placed within the **Tree Protection Zone**, neither temporarily nor permanently.
12. All grading within the dripline of trees shall be done using the smallest equipment possible. The equipment shall operate perpendicular to the tree and operate from outside the **Tree Protection Zone**. Any modifications must be approved and monitored by the Consulting Arborist.
13. All trees shall be irrigated on a schedule to be determined by the Consulting Arborist (every 3 to 6 weeks is typical). Each irrigation shall wet the soil within the **Tree Protection Zone** to a depth of 30".
14. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Consulting Arborist so that appropriate treatments can be applied.
15. No excess soil, chemicals, debris, equipment or other materials shall be dumped or stored within the **Tree Protection Zone**.
16. Any additional tree pruning needed for clearance during construction must be performed by a Certified Arborist and not by construction personnel.
17. Trees that accumulate a sufficient quantity of dust on their leaves, limbs and trunk as judged by the Consulting Arborist shall be spray-washed at the direction of the Project Arborist.

Maintenance of impacted trees

Our procedures included assessing trees for observable defects in structure. This is not to say that trees without significant defects will not fail. Failure of apparently defect-free trees does occur, especially during storm events. Wind forces, for example, can exceed the strength of defect-free wood causing branches and trunks to break. Wind forces coupled with rain can saturate soils, reducing their ability to hold roots, and blow over defect-free trees. Although we cannot predict all failures, identifying those trees with observable defects is a critical component of enhancing public safety.

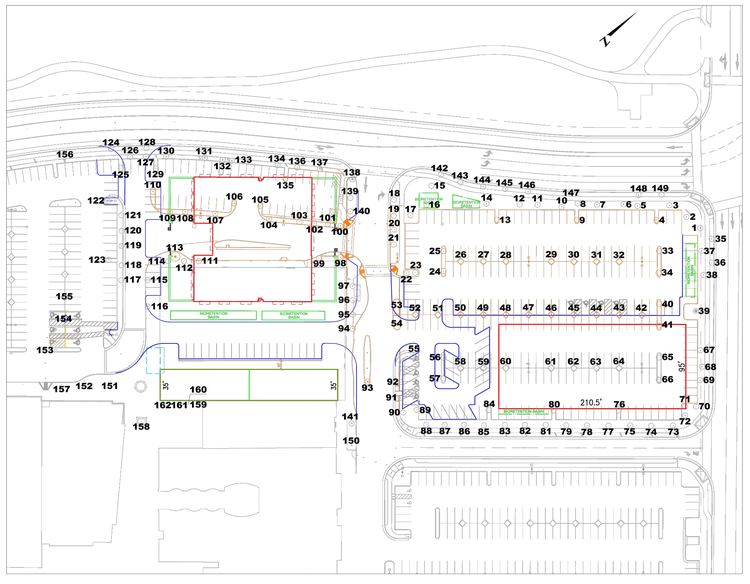
Furthermore, trees change over time. Our inspections represent the condition of the tree at the time of inspection. As trees age, the likelihood of failure of branches or entire trees increases. Annual tree inspections are recommended to identify changes to tree health and structure. In addition, trees should be inspected after storms of unusual severity to evaluate damage and structural changes. Initiating these inspections is the responsibility of the client and/or tree owner.

Preserved trees will experience a physical environment different from that pre-development. As a result, tree health and structural stability should be monitored. Occasional pruning, fertilization, mulch, pest management, replanting and irrigation may be required. In addition, provisions for monitoring both tree health and structural stability following construction must be made a priority.

If you have any questions about my observations or recommendations, please contact me.

HortScience | Bartlett Consulting

Ryan Gilpin, M.S.
Certified Arborist #WE-10268A



City of Palo Alto
Tree Protection - It's Part of the Plan!

Make sure your crews and subs do the job right!

Fenced enclosures around trees are essential to protect them by keeping the foliage canopy and branching structure clear from contact by equipment, materials and activities, preserving roots and soil conditions in an intact and non-compacted state, and identifying the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved. **An appoved tree protection report must be added to this sheet when project activity occurs within the TPZ of a regulated tree.**
For detailed information on Palo Alto's regulated trees and protection during development, review the **City Tree Technical Manual** (TTM) found at www.cityofpaloalto.org/trees/.

Tree Assessment Plan

Stanford Shopping Center
Palo Alto, CA

Prepared for:
Kimley Horn
Pleasanton, CA

July 2018
October 2019 (trees #150-162 added)

No Scale

Notes:
Base map provided by:
Kimley Horn
Pleasanton, CA

Driplines and numbered tree locations are approximate.

HORT SCIENCE BARTLETT CONSULTING
325 Ray Street
Pleasanton, CA 94566
Phone 925.484.0211
www.hortscience.com

Project Data

T-2

All other tree-related reports shall be added to the space provided on this sheet (adding as needed)
Include this sheet(s) on Project Sheet Index or Legend Page.
A copy of T-1 can be downloaded at
http://www.cityofpaloalto.org/civica/filebank/blobdload.asp?BlobID=6460

Special Tree Protection Instruction Sheet
City of Palo Alto

T-2

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM
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STANFORD SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

TREE PROTECTION PLAN

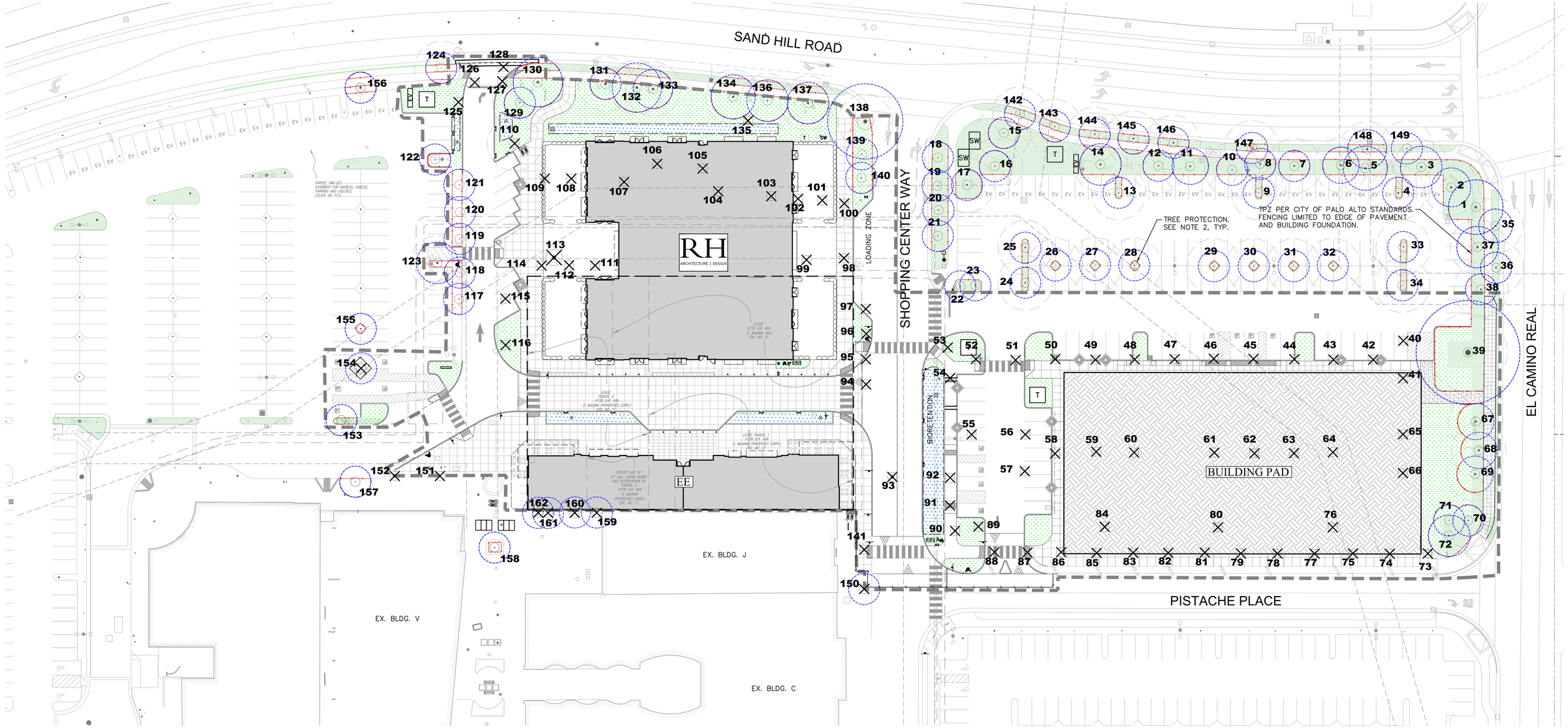
PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
T2

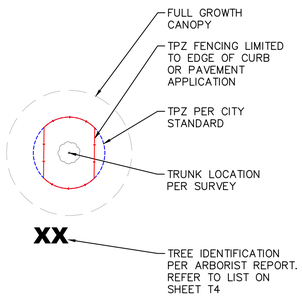
Plotted By:Whaley, Tyler Sheet Set:Kha Layout:T2 TREE PROTECTION PLAN November 06, 2019 01:51:08pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 2\TREE PROTECTION PLAN.dwg
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Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:T3.1 TREE DISPOSITION PLAN November 06, 2019 04:15:55pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\ARB – Option 1\Tree Demolition Plan.dwg
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LEGEND

- TREE TO BE REMOVED DUE TO CONSTRUCTION
- TREE PROTECTION ZONE (TPZ) FENCING (PER CITY OF PALO ALTO STREET TREE PROTECTION SPECIFICATIONS)
- PROPOSED BUILDING
- PROPOSED BUILDING PAD



NOTES

1. SEE SHEET T4 FOR TREE TABLE.
2. TREES LOCATED IN TREE WELLS TO BE PROTECTED PER CITY OF PALO ALTO STREET TREE PROTECTION SPECIFICATIONS.
3. SEE SHEET T1 FOR TREE PROTECTION ZONE (TPZ) DETAILS.
4. ARBORIST TO BE PRESENT FOR CONSTRUCTION WITHIN THE TPZ, SPECIFICALLY FOR SIDEWALK CONSTRUCTION ALONG EL CAMINO REAL.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM
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STANFORD SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

TREE DISPOSITION PLAN

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
T3.1

TREE NO.	TREE SPECIES	TRUNK DIAMETER (IN.)	PROTECTED TREE?	DISPOSITION	COMMENTS	TREE PROTECTION TYPE (SIZE)
1	GINKGO	21	NO	PRESERVE	NO CHANGE	TYPE 2 (17.5 FT)
2	VALLEY OAK	15	YES	PRESERVE	NO CHANGE	TYPE 2 (12.5 FT)
3	COAST LIVE OAK	16	YES	PRESERVE	NO CHANGE	TYPE 2 (13.34 FT)
4	COAST LIVE OAK	12	YES	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
5	COAST LIVE OAK	17	YES	PRESERVE	NO CHANGE	TYPE 2 (14.17 FT)
6	COAST LIVE OAK	14	YES	PRESERVE	NO CHANGE	TYPE 2 (11.67 FT)
7	VALLEY OAK	11	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
8	VALLEY OAK	11	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
9	VALLEY OAK	5	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
10	VALLEY OAK	7	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
11	VALLEY OAK	14	YES	PRESERVE	NO CHANGE	TYPE 2 (11.67 FT)
12	VALLEY OAK	10	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
13	VALLEY OAK	6	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
14	VALLEY OAK	16	YES	PRESERVE	13' FROM UTILITIES	TYPE 2 (13.34 FT)
15	COAST LIVE OAK	7	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
16	COAST LIVE OAK	8	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
17	COAST LIVE OAK	12	YES	PRESERVE	12' FROM UTILITIES	TYPE 2 (10 FT)
18	PURPLELEAF PLUM	7	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
19	PURPLELEAF PLUM	6	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
20	PURPLELEAF PLUM	7	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
21	PURPLELEAF PLUM	6	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
22	PURPLELEAF PLUM	8	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
23	PURPLELEAF PLUM	8	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
24	HACKBERRY	8	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
25	HACKBERRY	8	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
26	COAST LIVE OAK	1	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
27	HACKBERRY	4	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
28	HACKBERRY	8	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
29	HACKBERRY	5	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
30	HACKBERRY	5	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
31	HACKBERRY	5	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
32	HACKBERRY	6	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
33	HACKBERRY	8	NO	PRESERVE	NO CHANGE	TYPE 3 (10 FT)
34	COAST LIVE OAK	1	NO	REMOVE	DEAD	N/A
35	LONDON PLANE	13	YES	PRESERVE	NO CHANGE	TYPE 2 (10.84 FT)
36	LONDON PLANE	11	YES	PRESERVE	18' FROM SIDEWALK	TYPE 2 (10 FT)
37	VALLEY OAK	16	YES	PRESERVE	NO CHANGE	TYPE 2 (13.34 FT)
38	VALLEY OAK	11	NO	PRESERVE	WIDENING SIDEWALK AWAY FROM TREE	TYPE 2 (10 FT)
39	COAST LIVE OAK	40	YES	PRESERVE	WIDENING SIDEWALK AWAY FROM TREE	TYPE 2 (33.34 FT)
40	HACKBERRY	8	NO	REMOVE	WITHIN PARKING LOT	N/A
41	HACKBERRY	9	NO	REMOVE	WITHIN BUILDING	N/A
42	COAST LIVE OAK	1	NO	REMOVE	WITHIN PARKING LOT	N/A
43	HACKBERRY	5	NO	REMOVE	WITHIN PARKING LOT	N/A
44	HACKBERRY	7	NO	REMOVE	WITHIN PARKING LOT	N/A
45	HACKBERRY	7	NO	REMOVE	WITHIN PARKING LOT	N/A
46	HACKBERRY	3	NO	REMOVE	WITHIN PARKING LOT	N/A
47	HACKBERRY	8	NO	REMOVE	WITHIN PARKING LOT	N/A
48	HACKBERRY	9	NO	REMOVE	WITHIN PARKING LOT	N/A
49	HACKBERRY	9	NO	REMOVE	WITHIN PARKING LOT	N/A
50	HACKBERRY	8	NO	REMOVE	WITHIN PARKING LOT	N/A
51	HACKBERRY	5	NO	REMOVE	WITHIN PARKING LOT	N/A
52	HACKBERRY	13	NO	REMOVE	WITHIN HARDSCAPE	N/A
53	PURPLELEAF PLUM	8	NO	REMOVE	ADJACENT TO HARDSCAPE	N/A
54	PURPLELEAF PLUM	8	NO	REMOVE	WITHIN HARDSCAPE	N/A
55	PURPLELEAF PLUM	8	NO	REMOVE	WITHIN PARKING LOT	N/A
56	HACKBERRY	7	NO	REMOVE	WITHIN PARKING LOT	N/A
57	HACKBERRY	8	NO	REMOVE	WITHIN PARKING LOT	N/A
58	HACKBERRY	5	NO	REMOVE	WITHIN HARDSCAPE	N/A
59	HACKBERRY	9	NO	REMOVE	WITHIN BUILDING	N/A
60	HACKBERRY	9	NO	REMOVE	WITHIN BUILDING	N/A
61	HACKBERRY	8	NO	REMOVE	WITHIN BUILDING	N/A
62	HACKBERRY	7	NO	REMOVE	WITHIN BUILDING	N/A
63	HACKBERRY	9	NO	REMOVE	WITHIN BUILDING	N/A
64	HACKBERRY	3	NO	REMOVE	WITHIN BUILDING	N/A
65	HACKBERRY	7	NO	REMOVE	WITHIN BUILDING	N/A
66	COAST LIVE OAK	2	NO	REMOVE	WITHIN BUILDING	N/A
67	COAST LIVE OAK	14	YES	PRESERVE	WIDENING SIDEWALK AWAY FROM TREE	TYPE 2 (11.67 FT)
68	COAST LIVE OAK	14	YES	PRESERVE	WIDENING SIDEWALK AWAY FROM TREE	TYPE 2 (11.67 FT)
69	COAST LIVE OAK	14	YES	PRESERVE	WIDENING SIDEWALK AWAY FROM TREE	TYPE 2 (11.67 FT)
70	COAST LIVE OAK	8	NO	PRESERVE	WIDENING SIDEWALK AWAY FROM TREE	TYPE 2 (10 FT)
71	COAST LIVE OAK	6	NO	PRESERVE	18' FROM BUILDING	TYPE 2 (10 FT)
72	COAST LIVE OAK	16	YES	PRESERVE	18' FROM BUILDING	TYPE 2 (13.34 FT)
73	CHINESE PISTACHE	6	NO	REMOVE	WITHIN HARDSCAPE	N/A
74	CHINESE PISTACHE	2	NO	REMOVE	WITHIN BUILDING	N/A
75	CHINESE PISTACHE	8	NO	REMOVE	WITHIN BUILDING	N/A
76	HACKBERRY	3	NO	REMOVE	WITHIN BUILDING	N/A
77	CHINESE PISTACHE	8	NO	REMOVE	WITHIN BUILDING	N/A
78	CHINESE PISTACHE	6	NO	REMOVE	WITHIN BUILDING	N/A
79	CHINESE PISTACHE	5	NO	REMOVE	WITHIN BUILDING	N/A
80	HACKBERRY	7	NO	REMOVE	WITHIN BUILDING	N/A
81	CHINESE PISTACHE	4	NO	REMOVE	WITHIN BUILDING	N/A
82	CHINESE PISTACHE	5	NO	REMOVE	WITHIN BUILDING	N/A
83	CHINESE PISTACHE	5	NO	REMOVE	WITHIN BUILDING	N/A
84	HACKBERRY	4	NO	REMOVE	WITHIN BUILDING	N/A
85	CHINESE PISTACHE	6	NO	REMOVE	WITHIN BUILDING	N/A
86	CHINESE PISTACHE	6	NO	REMOVE	WITHIN BUILDING	N/A
87	CHINESE PISTACHE	6	NO	REMOVE	WITHIN HARDSCAPE	N/A
88	CHINESE PISTACHE	4	NO	REMOVE	WITHIN PARKING LOT	N/A
89	PURPLELEAF PLUM	4	NO	PRESERVE	4' FROM HARDSCAPE CHANGES	TYPE 2 (10 FT)
90	PURPLELEAF PLUM	6	NO	REMOVE	WITHIN HARDSCAPE	N/A
91	PURPLELEAF PLUM	5	NO	REMOVE	WITHIN HARDSCAPE	N/A
92	PURPLELEAF PLUM	6	NO	REMOVE	WITHIN HARDSCAPE	N/A
93	COAST LIVE OAK	23	YES	REMOVE	WITHIN PARKING LOT	N/A
94	GLOSSY PRIVET	9	NO	REMOVE	WITHIN PARKING LOT	N/A
95	GLOSSY PRIVET	10	NO	REMOVE	WITHIN PARKING LOT	N/A
96	GLOSSY PRIVET	11	NO	REMOVE	ADJACENT TO HARDSCAPE	N/A
97	GLOSSY PRIVET	13	NO	REMOVE	WITHIN HARDSCAPE	N/A
98	TULIP TREE	14	NO	REMOVE	WITHIN HARDSCAPE	N/A
99	TULIP TREE	9	NO	REMOVE	WITHIN HARDSCAPE	N/A

TREE NO.	TREE SPECIES	TRUNK DIAMETER (IN.)	PROTECTED TREE?	DISPOSITION	COMMENTS	TREE PROTECTION TYPE (SIZE)
100	LONDON PLANE	12	NO	REMOVE	WITHIN HARDSCAPE	N/A
101	LONDON PLANE	9	NO	REMOVE	WITHIN HARDSCAPE	N/A
102	LONDON PLANE	11	NO	REMOVE	ADJACENT TO BUILDING	N/A
103	LONDON PLANE	13	NO	REMOVE	WITHIN BUILDING	N/A
104	LONDON PLANE	15	NO	REMOVE	WITHIN BUILDING	N/A
105	LONDON PLANE	13	NO	REMOVE	WITHIN BUILDING	N/A
106	LONDON PLANE	13	NO	REMOVE	WITHIN BUILDING	N/A
107	LONDON PLANE	17	NO	REMOVE	WITHIN BUILDING	N/A
108	LONDON PLANE	17	NO	REMOVE	WITHIN HARDSCAPE	N/A
109	LONDON PLANE	17	NO	REMOVE	WITHIN HARDSCAPE	N/A
110	LONDON PLANE	16	NO	REMOVE	ADJACENT TO HARDSCAPE	N/A
111	GLOSSY PRIVET	7	NO	REMOVE	WITHIN HARDSCAPE	N/A
112	GLOSSY PRIVET	6	NO	REMOVE	WITHIN HARDSCAPE	N/A
113	TULIP TREE	31	NO	REMOVE	WITHIN HARDSCAPE	N/A
114	GLOSSY PRIVET	7	NO	REMOVE	WITHIN HARDSCAPE	N/A
115	TULIP TREE	4	NO	REMOVE	WITHIN PARKING LOT	N/A
116	TULIP TREE	10	NO	REMOVE	ADJACENT TO PARKING LOT	N/A
117	CRABAPPLE	6	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
118	CRABAPPLE	4	NO	POTENTIAL PRESERVE	3' FROM FIRE HYDRANT	N/A
119	CRABAPPLE	5	NO	POTENTIAL PRESERVE	4' FROM HARDSCAPE	N/A
120	CRABAPPLE	3	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
121	CRABAPPLE	6	NO	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
122	CRABAPPLE	6	NO	POTENTIAL PRESERVE	CHANGING SHAPE OF ISLAND	N/A
123	LONDON PLANE	16	NO	PRESERVE	11' FROM FIRE HYDRANT	TYPE 2 (13.34 FT)
124	SOUTHERN LIVE	6	YES	PRESERVE	20' FROM DRIVEWAY	TYPE 2 (10 FT)
125	COAST LIVE OAK	7	NO	REMOVE	ADJACENT TO HARDSCAPE	N/A
126	COAST LIVE OAK	10	NO	REMOVE	WITHIN DRIVEWAY	N/A
127	COAST LIVE OAK	4	NO	REMOVE	WITHIN DRIVEWAY	N/A
128	COAST LIVE OAK	5	YES	REMOVE	WITHIN DRIVEWAY	N/A
129	COAST LIVE OAK	11	NO	POTENTIAL PRESERVE	9' FROM BIORETENTION	N/A
130	COAST LIVE OAK	19	YES	POTENTIAL PRESERVE	18' FROM DRIVEWAY	N/A
131	COAST LIVE OAK	9	NO	PRESERVE	23' FROM BIORETENTION	TYPE 2 (10 FT)
132	COAST LIVE OAK	19	YES	PRESERVE	20' FROM BIORETENTION	TYPE 2 (15.84 FT)
133	COAST LIVE OAK	15	YES	PRESERVE	20' FROM BIORETENTION	TYPE 2 (12.5 FT)
134	COAST LIVE OAK	17	YES	PRESERVE	14' FROM BIORETENTION	TYPE 2 (14.17 FT)
135	COAST LIVE OAK	9	NO	REMOVE	ADJECENT TO BIORETENTION	N/A
136	COAST LIVE OAK	16	YES	PRESERVE	11' FROM BIORETENTION	TYPE 2 (13.34 FT)
137	COAST LIVE OAK	16	YES	PRESERVE	14' FROM BIORETENTION	TYPE 2 (13.34 FT)
138	CORK OAK	29	NO	POTENTIAL PRESERVE	4' FROM UNDERGROUND ELECTRIC	N/A
139	PURPLELEAF PLUM	6	NO	PRESERVE	5' FROM SIDEWALK REPLACEMENT	TYPE 2 (10 FT)
140	PURPLELEAF PLUM	10	NO	PRESERVE	5' FROM SIDEWALK REPLACEMENT	TYPE 2 (10 FT)
141	TULIP TREE	16	NO	REMOVE	WITHIN HARDSCAPE	N/A
142	COAST LIVE OAK	10	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
143	COAST LIVE OAK	6	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
144	COAST LIVE OAK	10	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
145	COAST LIVE OAK	11	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
146	COAST LIVE OAK	12	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
147	COAST LIVE OAK	1	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
148	COAST LIVE OAK	15	YES	PRESERVE	NO CHANGE	TYPE 2 (12.5 FT)
149	COAST LIVE OAK	8	YES	PRESERVE	NO CHANGE	TYPE 2 (10 FT)
150	TULIP TREE	18	NO	REMOVE	9' FROM HARDSCAPE	N/A
151	TULIP TREE	9	NO	REMOVE	WITHIN HARDSCAPE	N/A
152	TULIP TREE	14	NO	REMOVE	WITHIN HARDSCAPE	N/A
153	CRABAPPLE	4	NO	PRESERVE	POOR CONDITION	TYPE 2 (10 FT)
154	LONDON PLANE	12	NO	REMOVE	WITHIN HARDSCAPE	N/A
155	LONDON PLANE	11	NO	PRESERVE	19' FORM HARDSCAPE CHANGES	TYPE 2 (10 FT)
156	COAST LIVE OAK	15	YES	PRESERVE	25' FORM HARDSCAPE CHANGES	TYPE 2 (12.5 FT)
157	TULIP TREE	7	NO	PRESERVE	26' FORM HARDSCAPE CHANGES	TYPE 2 (10 FT)
158	VICTORIAN BOX	8	NO	PRESERVE	INSTALLING BIKE RACKS IN HARDSCAPE	TYPE 2 (10 FT)
159	JAPANESE MAPLE	4,4,2,2,2	NO	REMOVE	5' FROM BLDG DEMO AND CONSTRUCTION	N/A
160	EVERGREEN PEAR	15	NO	REMOVE	5' FROM BLDG DEMO AND CONSTRUCTION	N/A
161	EVERGREEN PEAR	17	NO	REMOVE	5' FROM BLDG DEMO AND CONSTRUCTION	N/A
162	FLOWERING DOGWOOD	2	NO	REMOVE	3' FROM BLDG DEMO AND CONSTRUCTION	N/A

NOTE: TREE PROTECTION TYPES PER CITY OF PALO ALTO STANDARD DRAWING NO. 605.

No.	REVISIONS	DATE	BY

Kimley»Horn
4637 CHABOT DRIVE, SUITE 300
PLEASANTON, CA 94588
PHONE: 925-398-4840
WWW.KIMLEY-HORN.COM
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SHOPPING CENTER
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SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

TREE TABLE

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
T4

Plotted By:Brenneman, Kaitlin Sheet Set:Kha Layout:T4 TREE TABLE November 06, 2019 04:36:14pm K:\BAY_LDEV\197145002 – Simon – Stanford Mall – MCM\08 CADD\Plan Sheets\T3.1 TREE DISPOSITION PLAN.dwg
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PROPOSED SPEED TABLE
SEE CIVIL DWG'S

CONCRETE VEHICULAR
PAVEMENT - SEE CIVIL DWG'S

PEDESTRIAN LIGHT POLE
TYP.

PROPOSED SPEED TABLE
SEE CIVIL DWG'S

BIORETENTION

BIORETENTION

LOADING ZONE

PROPOSED CURB RAMP
TYP.

CONTROL JOINT
TYP.

PROPOSED BENCH
TYP.

PROPOSED TRASH RECEPTACLE
TYP.

COLOR ENHANCED
CONC. PAVEMENT

COLOR ENHANCED
CONC. PAVEMENT

OUTDOOR
SEATING

COLOR ENHANCED
CONC. PAVEMENT

OUTDOOR
SEATING

BUILDING CANOPY
TYP.

PROPOSED TRASH RECEPTACLE
TYP.

PROPOSED BENCH TYP.

PROPOSED
HARDSCAPE

EXISTING
PAVEMENT
TO REMAIN

EE

EXISTING LANDSCAPE
PLANTER

PROPOSED BIKE RACKS
TYP.

PROPOSED BIKE LOCKERS
TYP.

EXISTING LIGHT POLE
TYP.

EXISTING
PAVEMENT
TO REMAIN

PROPOSED BIKE RACKS
TYP.

PROPOSED
SPEED TABLE
TYP.

0 5 10 20
1" = 10'

SHOPPING CENTER WAY

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BUILDING EE

HARDSCAPE PLAN

PLANNING
APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
HS - EE

Plotted By: Vik Singh Sheet Set: Kho Layout: HS-EE_ARB November 05, 2019 05:36:43pm U:\Pro\Simon Property Group – Indianapolis\CA\18.02616.00-Stanford\DRAWINGS\ARCH\3_CD\HS-XX.dwg
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SAND HILL ROAD

LANDSCAPE AREA

BIORETENTION

BIORETENTION

EXISTING PAVEMENT TO REMAIN

PROPOSED HARDSCAPE

T

S.W.

PROPOSED BIKE RACKS TYP.

COURTYARD SEE ARCH DWG'S

CONCRETE PEDESTRIAN PAVEMENT

PROPOSED CURB RAMP TYP.

PROPOSED TREE WELL TYP.

EXPANSION JOINT TYP.

CONTROL JOINT TYP.

RH

RESTORATION HARDWARE

COURTYARD SEE ARCH DWG'S

SHOPPING CENTER WAY

LANDSCAPE AREA TYP.

PROPOSED CURB RAMP

LANDSCAPE AREA TYP.

CONC. PEDESTRIAN PAVEMENT

PED. LIGHT POLE TYP.

PROPOSED SPEED TABLE SEE CIVIL DWG'S

0 5 10 20

1" = 10'

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SPG CENTER, LLC

RESTORATION HARDWARE

HARDSCAPE PLAN

PLANNING APPLICATION NO.

19PLN - 00110

DATE

NOVEMBER 06, 2019

SHEET NUMBER

HS - RH

Plotted By: Vik Singh Sheet Set: Kha Layout: HS-WB.1_ARB November 05, 2019 05:29:08pm U:\Proj\Simon Property Group - Indianapolis\CA\18.02616.00-Stanford\DRAWINGS\ARCH\3_CD\HS-XX.dwg
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LANDSCAPE AREA TYP.

PROPOSED TREE WELL TYP.

PROPOSED TREE WELL TYP.

PROPOSED CURB RAMP TYP.

COLOR ENHANCED CONC. PAVEMENT

DECOMPOSED GRANITE

PROP. TRANSFORMER PAD SEE CIVIL PLANS.

PROP. TREE WELL TYP.

PARKING LOT LIGHT POLE

LANDSCAPE AREA

COLOR ENHANCED CONC. PAVEMENT

EXPANSION JOINT TYP.

CONTROL JOINT TYP.

EXIST. PVMT. TO REMAIN

EXISTING LANDSCAPE AREA

PROPOSED SPEED TABLE SEE CIVIL DWG'S

PISTACHE PLACE

EL CAMINO REAL

0 5 10 20

1" = 10'

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WILKES BASHFORD

HARDSCAPE PLAN OPTION 1

PLANNING APPLICATION NO.

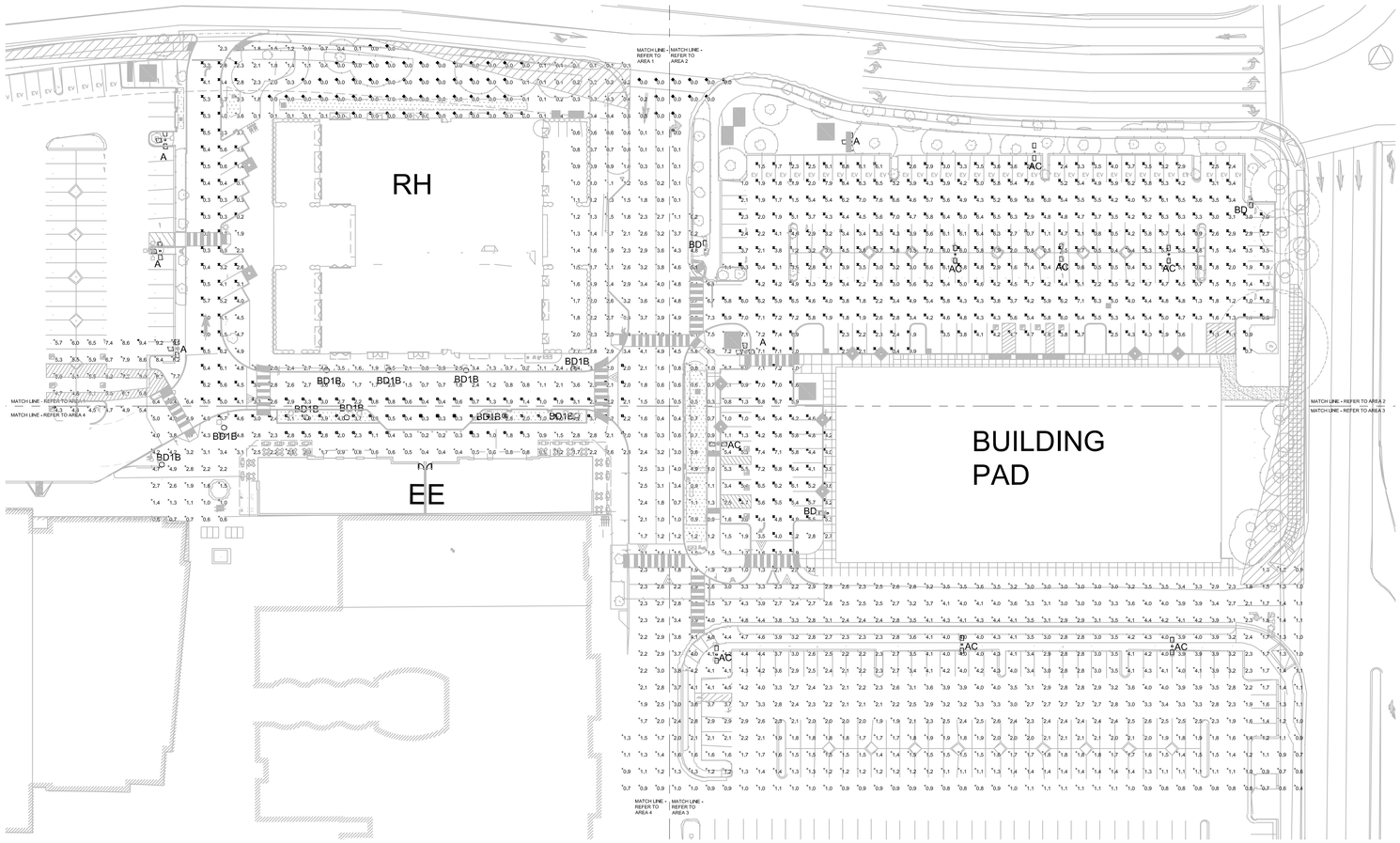
19PLN - 00110

DATE

NOVEMBER 06, 2019

SHEET NUMBER

HS - WB.1



1 SITE LIGHTING CALCULATIONS PLAN

SCALE: 0' 40'

Luminaire Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	AC	11	Lithonia Lighting	DSX2 LED P4 30K T5M MVOLT	DSX2 LED P4 30K T5M MVOLT	LED	1	AC_DSX2_LED_P4_30K_T5M_MVOLT.ies	32178.22	0.9	540
	BD1B	8	Simes S.p.A.	S3983LED.14	MINISLOT DISK LED Citizen CLU044 1300 mA White Warm 3000K	LED Citizen CLU044 1212B8 1300 mA White Warm 3000K	1	BD1B_S3983LED_002.ies	2446.246	0.85	42.3
	A	1	Lithonia Lighting	DSX2 LED P4 30K T5M MVOLT	DSX2 LED P4 30K T5M MVOLT	LED	1	A_DSX2_LED_P4_30K_T5M_MVOLT.ies	32178.22	0.9	810
	BD	5	Lithonia Lighting	DSX2 LED P4 30K T5M MVOLT	DSX2 LED P4 30K T5M MVOLT	LED	1	AC_DSX2_LED_P4_30K_T5M_MVOLT.ies	32178.22	0.9	270

NORTH OF BUILDING EE

Average	1.9 fc
Maximum	4.9 fc
Minimum	0.3 fc
Max/Min	16.3:1
Average/Min	6.3:1

WB NORTH AND WEST LOTS

Average	4.1 fc
Maximum	8.8 fc
Minimum	0.3 fc
Max/Min	29.3:1
Average/Min	13.7:1

WEST OF RH

Average	3.5 fc
Maximum	7.0 fc
Minimum	0.1 fc
Max/Min	70.0:1
Average/Min	35.0:1

WEST LOT LIGHT MOVE

Average	6.5 fc
Maximum	9.4 fc
Minimum	4.3 fc
Max/Min	2.2:1
Average/Min	1.5:1

No.	REVISIONS	DATE	BY

Gausman & Moore
Mechanical and Electrical Engineers
700 Rosedale Towers
1700 West Highway 36
Roseville, Minnesota 55113
(651)639-9606 FAX 639-9618
Project No. 86299
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SPG CENTER, LLC

OVERALL SITE LIGHTING CALCULATIONS PLAN
OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
ES-101.1

Plotted By:Anthony Bosden Sheet Set:Kha Layout:ES--101 October 25, 2019 03:15:44pm P:\86299\21_ELEC\00_ACTIVECAD\ES--101 & 102 -- Option 1 WB Pad.dwg
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Plotted By:Anthony Basden Sheet Set:Kha Layout:ES-102 October 25, 2019 03:16:19pm P:\86299\21_ELEC\00_ACTIVECAD\ES-101 & 102 - Option 1 WB Pad.dwg
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RH

EE

BUILDING PAD

AC

A

BD

BD1B

1 SITE LIGHTING LOCATIONS PLAN
SCALE: 0' 25'

No.	REVISIONS	DATE	BY

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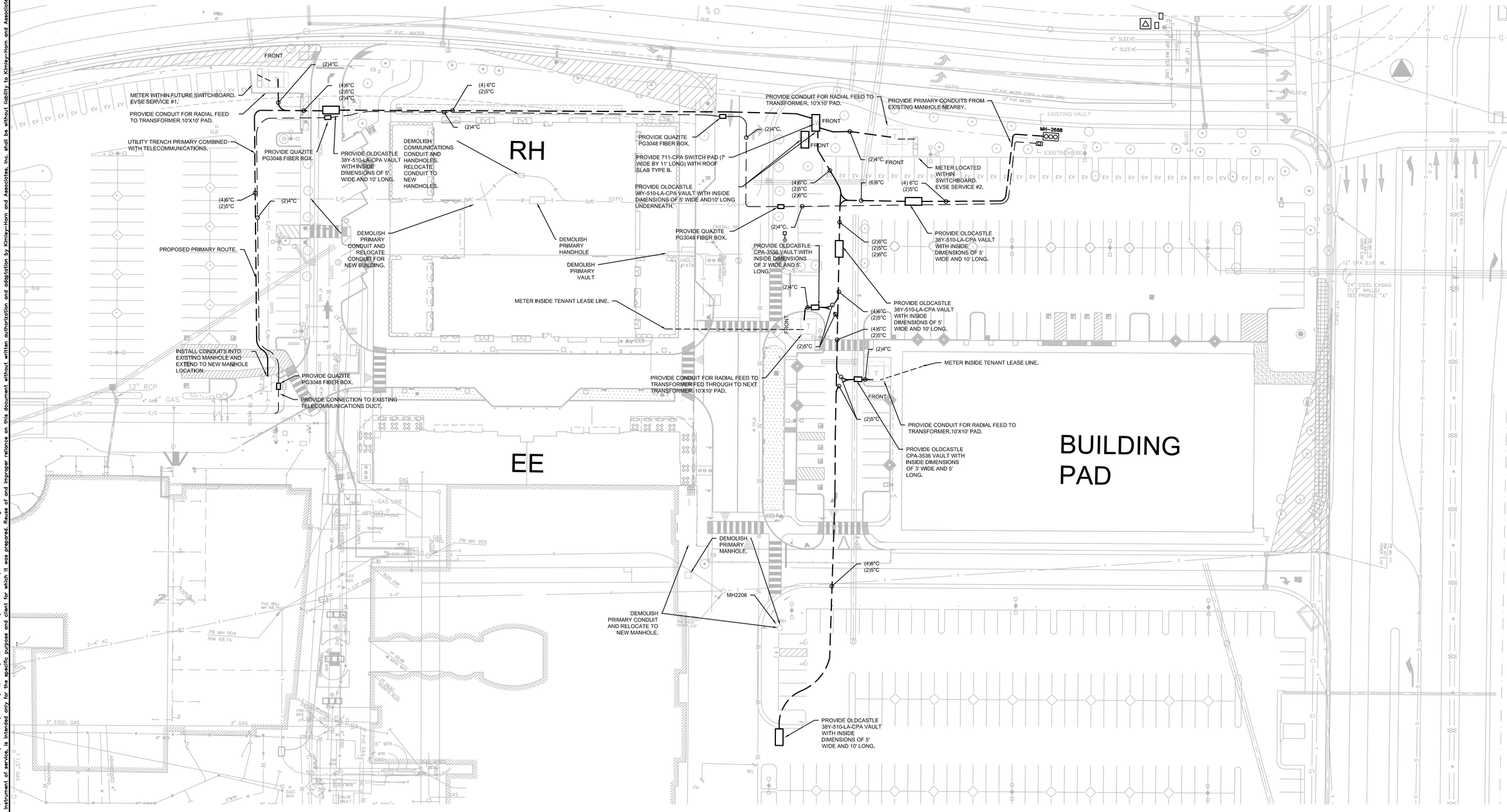
SITE LIGHTING LOCATIONS PLAN
OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
ES-102.1

Plotted By:Anthony Basden Sheet Set:Kha Layout:ES-103 October 25, 2019 03:15:25pm P:\86299\21_ELEC\00_ACTIVECAD\ES-103 - Option 1 WB Pad.dwg
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LEGEND

- PRIMARY ROUTE.
- PROPOSED SECONDARY. CONDUITS VARY BY BUILDING AND ARE NOT INDICATED ON THIS PLAN. CONCRETE ENCASED UNDER ROADWAYS AND PARKING LOTS.
- PROPOSED UNDERGROUND FIBER.

GENERAL NOTES:

1. ALL 5'X10' VAULTS TO BE OLDCASTLE CPAU STANDARD BOXES

1 SITE UNDERGROUND ELECTRICAL PLAN

SCALE: 0' 30'

No.	REVISIONS	DATE	BY

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SITE UNDERGROUND ELECTRICAL PLAN

OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO. 19PLN - 00110

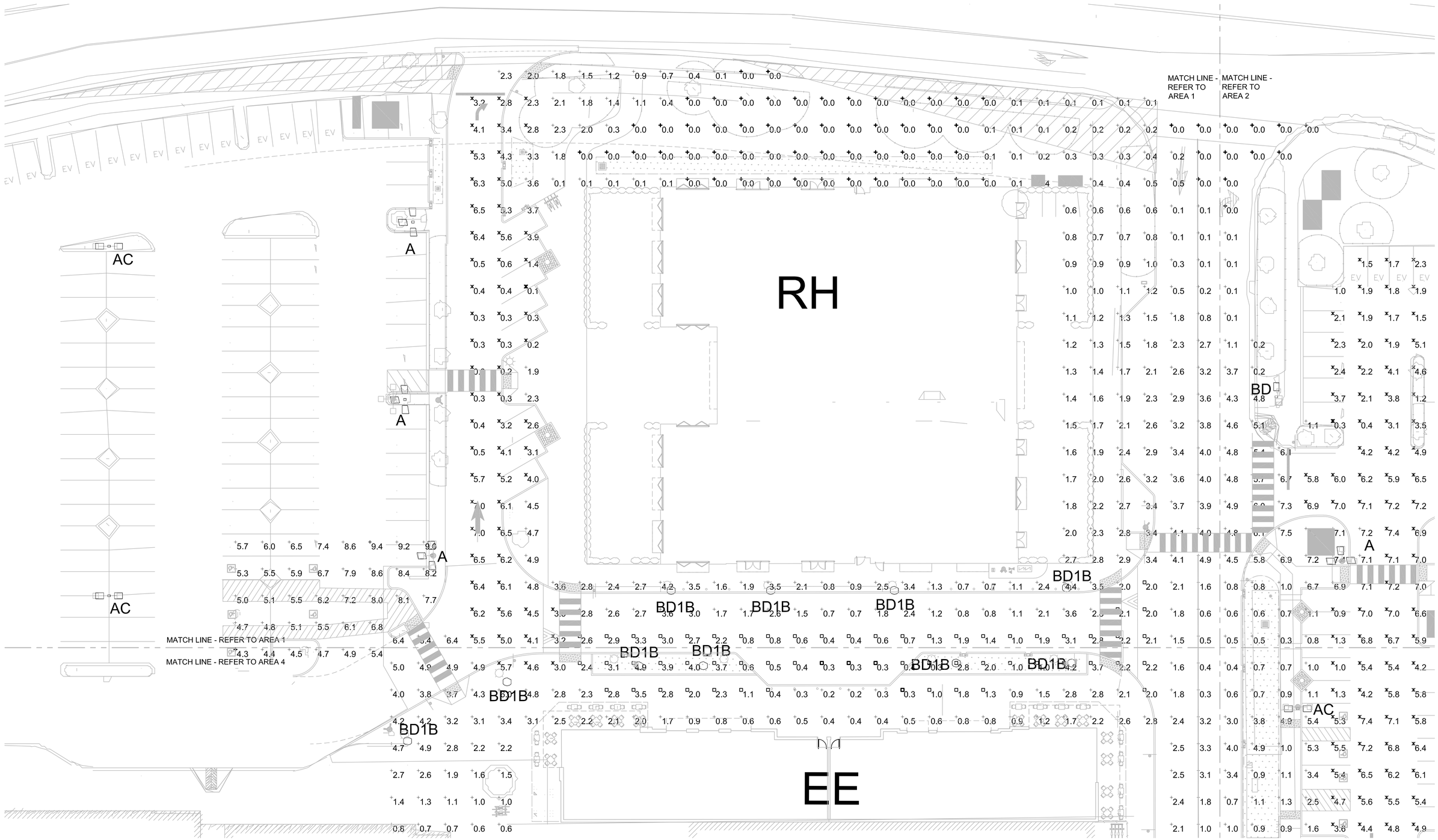
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SHEET NUMBER

ES-103.1

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1 SITE LIGHTING CALCULATIONS PLAN - AREA 1
SCALE: 0' 16'

No.	REVISIONS	DATE	BY

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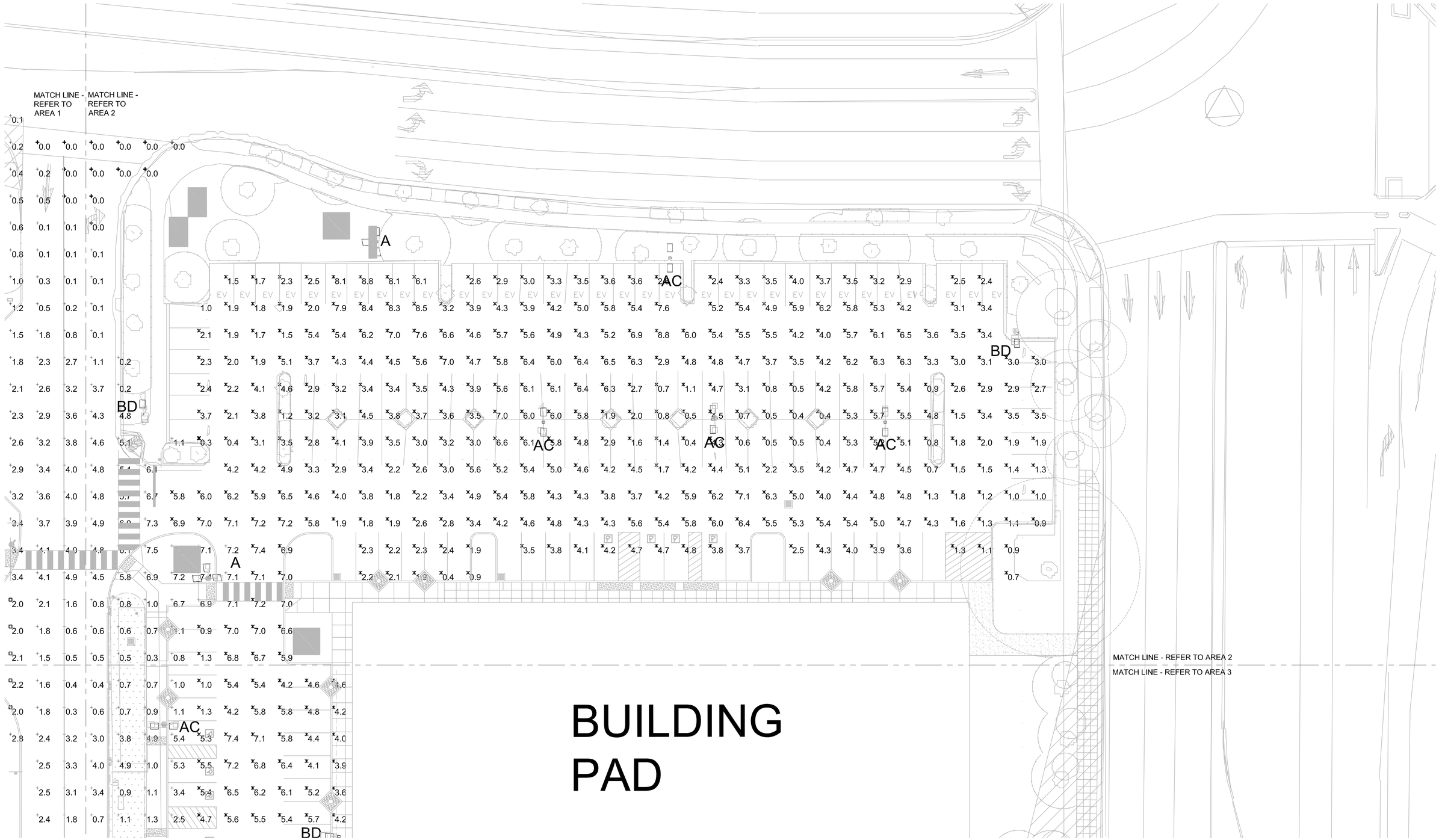
ENLARGED SITE LIGHTING CALCULATIONS PLAN - AREA 1 OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
ES-111.1

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BUILDING PAD

1 SITE LIGHTING CALCULATIONS PLAN - AREA 2
SCALE: 0' 16'

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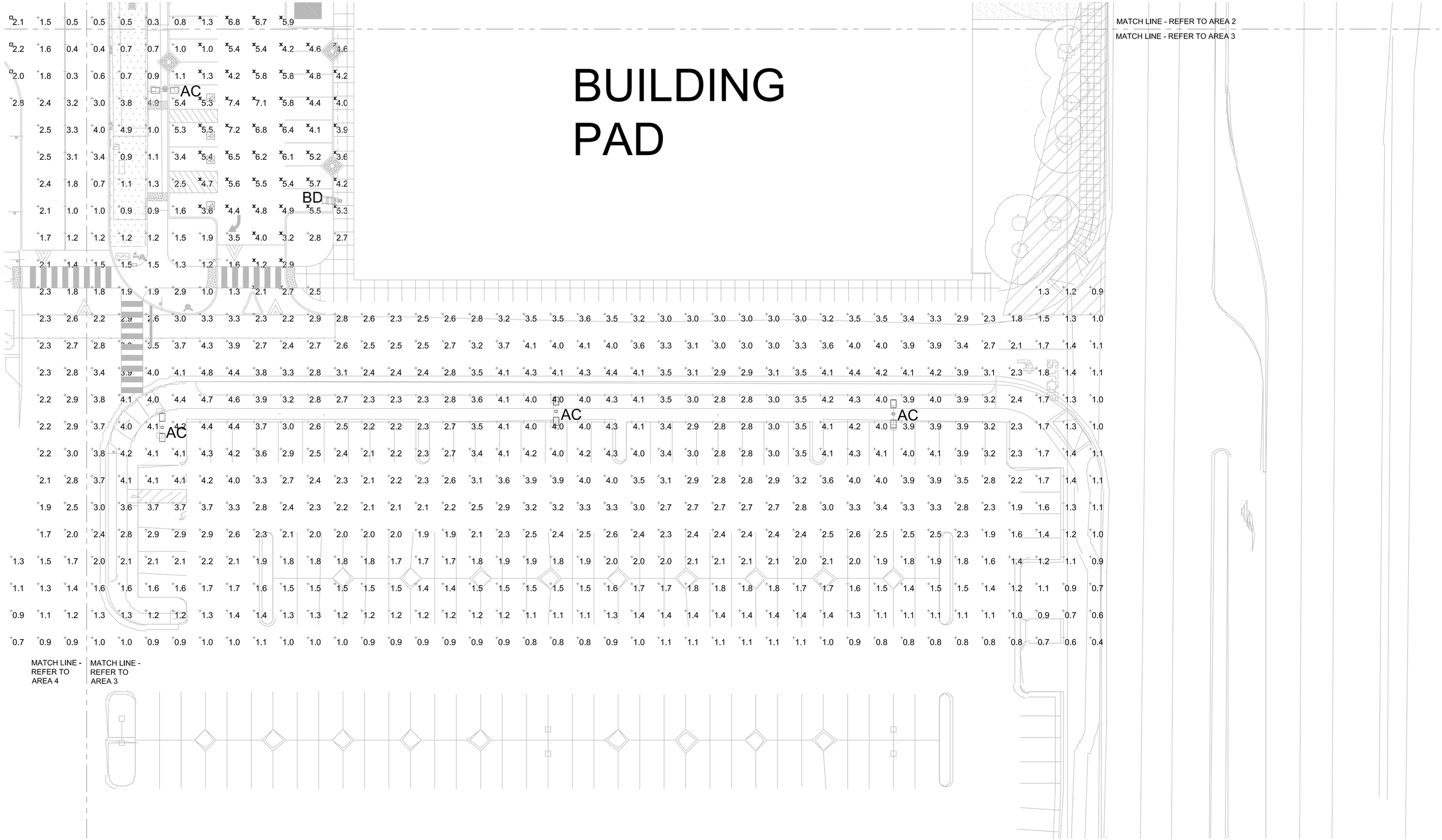
ENLARGED SITE LIGHTING CALCULATIONS PLAN - AREA 2
OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
ES-112.1

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1 SITE LIGHTING CALCULATIONS PLAN - AREA 3
SCALE: 0' 16'

No.	REVISIONS	DATE	BY

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ENLARGED SITE LIGHTING CALCULATIONS PLAN - AREA 3 OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO.
19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
ES-113.1

Plotted By:Anthony Basden Sheet Set:Kha Layout:ES-114 October 25, 2019 03:18:29pm P:\86299\21_ELEC\00_ACTIVECAD\ES-101 & 102 - Option 1 WB Pad.dwg
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1 SITE LIGHTING CALCULATIONS PLAN - AREA 4
SCALE: 0' 16'

No.	REVISIONS	DATE	BY

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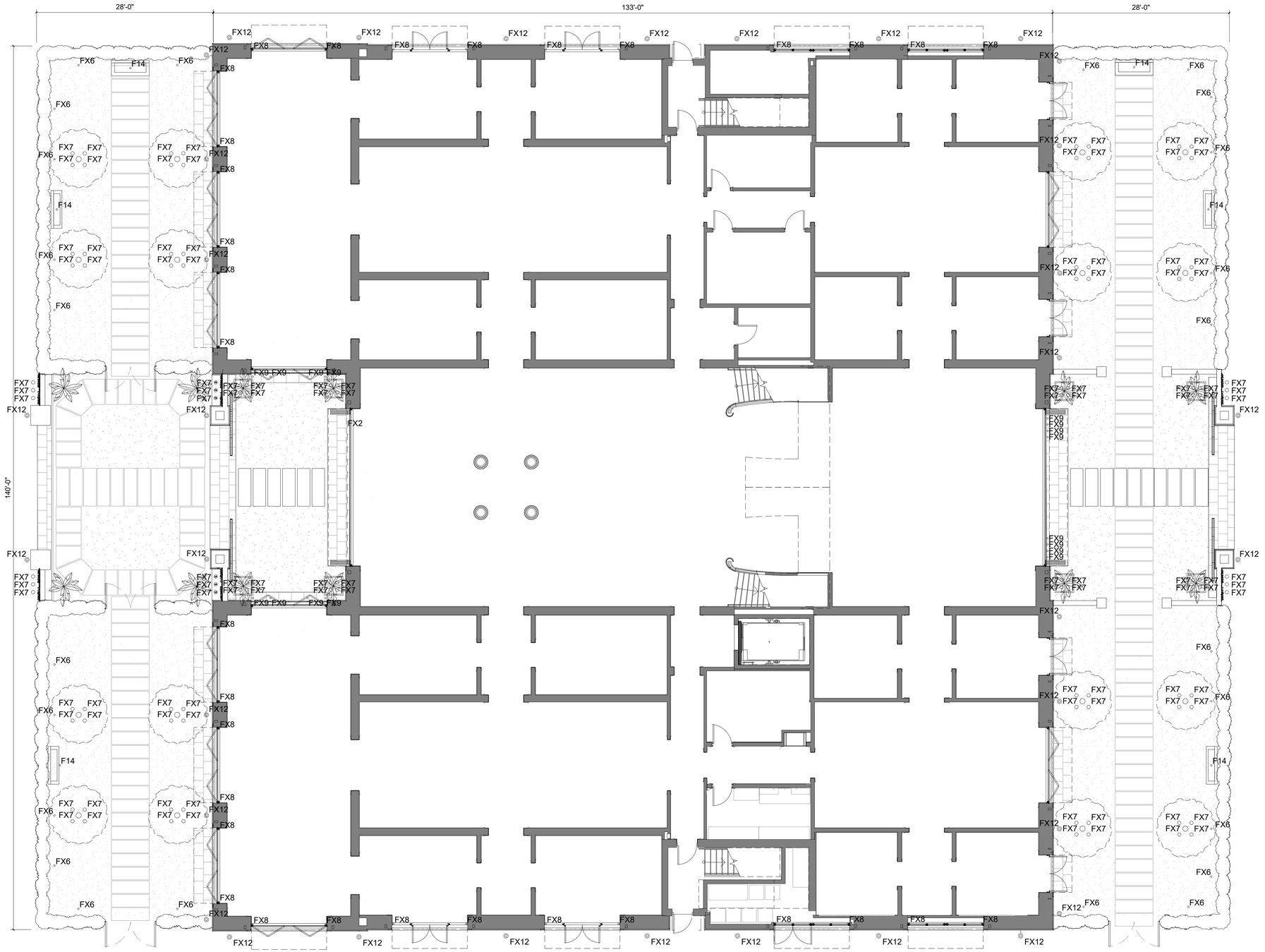
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ENLARGED SITE LIGHTING CALCULATIONS PLAN - AREA 4 OPTION 1 - BUILDING PAD

PLANNING APPLICATION NO. 19PLN - 00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
ES-114.1



LEVEL 1 EXTERIOR LIGHTING PLAN

SCALE - 1/8" = 1'-0"

No.	REVISIONS	DATE	BY

RH

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CITY OF PALO ALTO CALIFORNIA

EXTERIOR LIGHTING PLAN

PROJECT NO.
19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LT - RH1

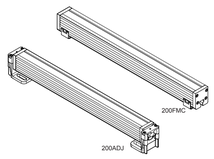
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FX2

winonaLED Project: _____ Qty: _____ Type: _____

winline surface linear 207W/209W/211W wet



The **Winline 200 Series** are small scale linear LED luminaires designed to be powerful, reliable, and easiest to implement linear LED solution available. The model WSL207W/209W/211W is a high performance luminaire suitable for exterior illumination.

Beam Spreads: Winline WSL207W/209W/211W is available in beam spreads of 15, 30, 60 and 100 degrees. See page 4 for photometric data.

Color & Light Output: The 200 Series utilizes Nichia 757 white LEDs in four standard color temperatures. Model WSL207W/209W/211W features (16) LEDs/ft.

200 Series	Model WSL207W		Model WSL209W		Model WSL211W	
Color Temperature	lm/ft	W/ft	lm/ft	W/ft	lm/ft	W/ft
ANSI 2700K White	191	1.9	189	3.8	703	7.3
ANSI 3000K White	197	1.9	402	3.8	725	7.3
ANSI 3500K White	228	1.9	46	3.8	841	7.3
ANSI 4000K White	228	1.9	486	3.8	877	7.3

Results based on test ISFS4230, ISFS4242, ISFS4303 in 100" beam spread.
Note: LM79 Tests - see page 4.

Power: The Winline 200 series operates on 24VAC using magnetic transformers. A wide range of remote transformers are available in 120V and 277V primary.

Dimming: Used with remote mounted 24VAC magnetic transformers which can be dimmed with commonly available low voltage magnetic dimming equipment.

Mounting & Adjusting: Both fixed and adjustable mounts combined with an integral wire tray allows the 200 Series to be used almost anywhere. The installer locates and fastens the mount clip, runs power feed lines, connects the fixture's wire leads to the feed lines and snaps the fixture in place. The low profile fixed mount is only 1.81" high and the adjustable mount allows for 300 degree rotation around the centerline of the fixture. See pages 2-3 for more mounting and adjustment information.

Any application of this product should also take into consideration air flow and ventilation to ensure performance and reliability.

Weight:

12" - .57 lbs	36" - 1.53 lbs
18" - .79 lbs	42" - 1.78 lbs
24" - 1.04 lbs	48" - 2.03 lbs
30" - 1.29 lbs	

Listing: Winline WSL207W/209W/211W is ETL listed for wet location. Complies with UL Standard 2108

Warranty: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

RoHS COMPLIANT

Ordering Information

EXAMPLE: WSL211W LCB 21FT MSL4 200ADJ 60DEG LLP5A 35K 24 200SEA NAA

Series	Linear Plan	Run Length	Maximum Section Length	Mounting Accessory	Distribution
WSL207W Winline Surface Linear Wet WSL209W Winline Surface Linear Wet WSL211W Winline Surface Linear Wet	LCB Linear Center Balance LLP Linear Lengnet Flexible LSL Linear Same Length	____ Total Run Length offered in 6" increments from 6" (.5FT) to as .25FT6 = 2FT 6IN *See page 2 for maximum run lengths*	MSL1 19 section length MSL1/6 19 6in section length MSL2 25 section length MSL2/6 25 6in section length MSL3 35 section length MSL3/6 35 6in section length MSL4 45 section length	200ADJ adjustable mount (standard) 200FMC fixed mount (200 series)	15DEG 15 degrees 30DEG 30 degrees 60DEG 60 degrees 100DEG 100 degrees

Source	Color Temperature	Voltage	Electrical Option		Finish		Special
LLP4A (WSL207W) LED Linear 4 Lumen LLP5A (WSL207W) LED Linear 5 Lumen LLP6A (WSL211W) LED Linear 6	27K 2700 Kelvin 30K 3000 Kelvin 35K 3500 Kelvin 40K 4000 Kelvin	24 24 volt	200LSEA Back to Back Feed (200ADJ) 200EOEF Back to Back Feed (200FMC) 200SEA Surface End Feed (200ADJ) 200EAF Right Angle Feed (200FMC)	200RSEF Recessed Bottom Feed (200FMC) 200SEA Surface End Feed (200ADJ) NOBOX No Box Required or Ordered Separately	NAA natural (type III) anodized aluminum SVM semi gloss black paint SGW semi gloss white paint CPT custom paint finish	MOD* Modification / Consult Factory

WINONA LIGHTING | ACUITY BRANDS | **Acuity**brands.

Winona Lighting • 3700 West Fourth Street • Winona, MN 55987 • 888.834.5684 • www.winonalighting.com

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Rev. 03/12/18
WSL_207W_209W_211W

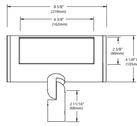
FX6

YOSEMITE™ SERIES (YO)

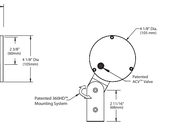
PROJECT: _____

TYPE: _____

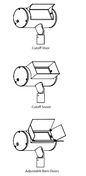
FRONT VIEW



SIDE VIEW



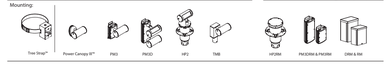
ACCESSORIES



All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

Accessories *(Configure separately)*

Mounting:



Driver Housings *(Configure separately)*

SPECIFICATIONS

GreenSource Initiative™
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy. Designed for disassembly and recyclability. Packaging is free of chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials
Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body
Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum heat dissipation. Cast body is free of porosity, mechanical strength, high temperature, silicone 'O' Ring provides water-tight seal.

Knuckle
'Aim and Lock' knuckle is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a mating taper and exterior, machined threads. Interlocking taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High compressive resistance to maintain fixture position. Design allows for 360° of horizontal rotation without sacrificing decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap
Fully machined. Accommodates (1) lens or louver media. Choose from 45° cutoff ('A' or 'D'), 7° deep bezel with 90° cutoff ('B' or 'E'), flush lens ('C') cap styles, or 1° deep cutoff ('F') cap style. Accommodates (1) accessory visor, lens cap or louver media. 'A' and 'B' cap include weep hole for water and debris drainage. 'D' and 'E' caps exclude weep hole and are for interior use only.

Lens
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®
Integrated solid state system with 'A' technology is scalable for field upgrade. Modular design with electrical quick disconnect allows for easy removal. Driver is mounted forward three source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-temperature and short circuit protected. Inrush current limited to <250mA (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Dimming
Utilizes voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BK50,™ Power of 'A' technology fault should be loaded to 25% of the transformer VA (watts) rated value.

Optics
Interchangeable OPTIX™ modules permit field changeable beam spreads. Choose from (3) beam spread reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Adjust-a-Lume® (Pat. Pending)
Allows for optimization of dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output internally.

Installation
Available for installation in three distinct mounting conditions:

Anchor Base (Standard)
Machined anchor base with 7/8"dia. slip conduit hole and (3) 3/16" dia. anchor bolt holes (hardware by others).

Lens
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.

Knuckle
Patented 360HD™ Mounting System features a mechanical taper-lock, which allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design allows for 360° of horizontal rotation and withstands 73 lb. static load prior to movement to ensure decades of optical alignment. ½" pipe thread for mounting. Biaxial source control additionally provides 360° horizontal rotation in addition to vertical adjustment. Design of knuckle and cap allows precision adjustment without the redundant tightening and loosening of knuckle screw.

Wiring
XLPE coated wire, 18AWG, 600V, 150° C rated and certified to UL 1569 standard.

Water Management
Patented Anti-Condensation Valve (ACV™) vacuum seals optical chamber and eliminates internal condensation. Spring loaded exterior mounted ACV™ allows for automatic re-sealing over the life of the fixture. System re-initializes vacuum seal through normal fixture operation.

Hardware
Tamper-resistant, stainless steel hardware. Fixture hardware is keyed to maintain optical alignment during LED service. 360HD™ Knuckle hardware is additionally black oxided.

Finish
Standard, our exclusive RoHS compliant, 15 stage chromate-free pretreatment and electrostatic powder coating provides chemical-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

Warranty
5-year limited warranty.

Listings
UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP65 rated. Suitable for installation within 4° of the ground. Wet Rated. Made in USA.

Lens
Shock resistant, tempered, clear glass lens is factory adhered to fixture body and provides hermetically sealed optical compartment.

BKSSL®
Integrated solid state system with "A" technology is scalable for field upgrade. Modular design with electrical quick disconnect allows for easy removal. Stainless steel hardware. Optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability.

Wall Mount Canopy (Optional)
Optional 5" dia. machined canopy permits mounting to junction box (gasket by others). 6" maximum base height for canopy-mounted brass or stainless steel fixture.

Remote Transformer
For use with 12VAC **BK**ESSL remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Wiring
Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware
Tamper-resistant, stainless steel hardware. Knuckle vertical adjustment screw is additionally black oxide treated for additional corrosion resistance.

Finish
StarGuard®, our exclusive RoHS compliant, 15 stage chromate-free pretreatment and electrostatic powder coating provides prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty
5 year limited warranty.

Certification and Listing
ETL tested to ECNA-LM-79, UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4° of the ground. IP68 Rated. Made in USA.

RoHS 2011/65/EU*
*Pb-free is engineered to meet all of Europe's requirements.
**Energy Star is a registered trademark of the United States Environmental Protection Agency.

Power Pipe™ (Optional)
Provides a clean transition from wiring system to fixture. Schedule 80, 1/8" PVC housing for direct burial into soil or concrete. Length: 12" (305mm). Finish: Stainless steel. Stainless steel hardware. Optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability.

Universal Ring (Optional)
Mounting in recessed housing; can be driven over by vehicles with pneumatic tyres. Load: 50kN.
Dimming with external dimmers possible (trailing-edge).
Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.
Weight: 4.47kg

Technical data

Luminous flux of the luminaire	1274lm
Connected load	20W
Luminous efficacy	64lm/W
Colour deviation	SDCM<2
Colour rendition index	CRI>90
Lumen maintenance	L80/B10 50000h
LED failure rate	0.1% 50000h
Dimming range	10%-100%
Dimming method	CCR
DALI	no
Energy efficiency class	EEI A+
Temperature on the light aperture	38°C

B-K LIGHTING 40439 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

FX7

SPECIFICATIONS

DESCRIPTION:
Compact adjustable LED accent fixture.
Suitable for wet/damp/dry location installations.

MATERIAL:
Standard overall material is 6061 aluminum.
HL-360-xLED: Machined Aluminum
HL-360-xLED-ZB: - Machined Brass

FINISH:
AA - Anodized Satin Aluminum
AP - Powder Coat Aluminum
BK - Powder Coat Black
BZ - Powder Coat Bronze
WT - Powder Coat White
N - Natural, for Brass

LED OPTIONS
Integral high output LED, warm white (3000K CCT) standard, others available.
3LED - 3W LED - 180 lumens
BLED - 8W LED - 300 lumens
BLED-E - 8.4W LED - 565 lumens

OPTICS
3LED and BLED:
SP - Spot, 12°
NF - Narrow Flood, 24°
FL - Flood, 36°
WF - Wide Flood
SP - Spot, 14° (4.5" overall fixture length)
NF - Narrow Flood, 25°
NF - Narrow Flood, 30°
FL - Flood, 40°

VOLTAGE:
12 - 12 VAC output transformer required, not included.

MOUNTING:
Fixture is designed with a 1/2-NPS adjustable mounting stem.

OPTIONS:
Glare shields
GL-10 - Short Angled, aluminum
GL-11 - Angled, brass
GL-12 - Angled, brass
GL-13 - Straight, aluminum
GL-14 - Straight, brass
Lenses/Louvers/Color Filters
LA-1 - Prismatic lens (Black)
LA-2 - Prismatic lens
LA-3 - Linear spread lens
LA-4 - Soft focus lens (diffused)
LA-5 - Moonlight lens
LA-6 - Blue lens
See fixture accessories for more information.

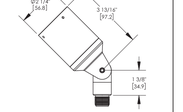
SAMPLE ORDER SPECIFICATION:
HL-360-S-BLED-E-BZ-NF-12-GL-12

RATING:
Wet/damp/dry location.

ETL Intertek

MADE IN THE USA





ORDER SPECIFICATION: _____ Fixture - _____ Finish - _____ Optics - _____ Voltage - _____ Options/Access.

PROJECT:

APPROVED:

NOTE:

TYPE:

HEVI LITE, INC.
9714 Vanel Ave, Chatsworth, CA 91311
Tel., (818) 341-8091 - Fax (818) 998-1986
Web Site http://www.hevilite.com

CATALOG NUMBER
HL-360-LED

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FX8

HK USA Lighting Group

ZXGi-RH-LED

In Grade // ZXG Series



PROJECT _____

FIXTURE TYPE _____

Characteristics

Listed

Standard

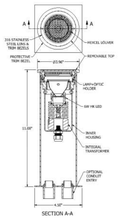
- Stylish contemporary design with modernist edge. • Stainless steel outer housing, lens, bezel, and protective trim bezel. • Ozone, aging and weather resistant silicone gaskets are used to hermetically seal and protect the fixture. • Stainless Steel hardware. • Indoor/Outdoor application. • Includes louver. • Concrete pour bottom flange option available.

Technical Data

Material	Stainless Steel (NSS) Stainless steel (SS304) hardware
Lamp	HK LED
Dimmability	MLV
Voltage	120V
Wattage	6W
Reflector	27°, 42°
Color Temp	2.7K, 3K, 4K
Power Supply	Integral transformer

Ordering Guide

Series	ZXGi-RH-LED
Voltage	120V
Wattage	6W
Lamp	HK LED
Reflector	27° 42°
Color Temp	2.7K 3K 4K



HK USA Lighting Group 3529 Old Conejo Road #118 Newbury Park CA 91320 TEL 805 480 4881 FAX 805 480 4811 sales@hklightinggroup.com

FX9

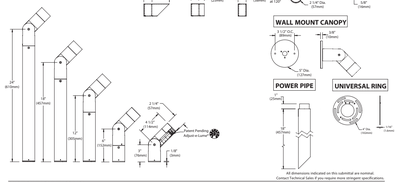
ArchStar™ Remote Transformer

ARTISTAR™

PROJECT: _____

TYPE: _____

ANCHOR BASE STANDARD MOUNT | "A/D" CAP | "B/E" CAP | "C" CAP | STANDARD BASE



WALL MOUNT CANOPY | POWER PIPE | UNIVERSAL RING

All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy. Designed for disassembly and recyclability. Packaging is free of chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials
Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body
Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum heat dissipation. Cast body is free of porosity, mechanical strength, high temperature, silicone 'O' Ring provides water-tight seal.

Knuckle
'Aim and Lock' knuckle is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a mating taper and exterior, machined threads. Interlocking taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High compressive resistance to maintain fixture position. Design allows for 360° of horizontal rotation without sacrificing decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap
Fully machined. Accommodates (1) lens or louver media. Choose from 45° cutoff ('A' or 'D'), 7° deep bezel with 90° cutoff ('B' or 'E'), flush lens ('C') cap styles, or 1° deep cutoff ('F') cap style. Accommodates (1) accessory visor, lens cap or louver media. 'A' and 'B' cap include weep hole for water and debris drainage. 'D' and 'E' caps exclude weep hole and are for interior use only.

Lens
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®
Integrated solid state system with 'A' technology is scalable for field upgrade. Modular design with electrical quick disconnect allows for easy removal. Stainless steel hardware. Optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability.

Wall Mount Canopy (Optional)
Optional 5" dia. machined canopy permits mounting to junction box (gasket by others). 6" maximum base height for canopy-mounted brass or stainless steel fixture.

Remote Transformer
For use with 12VAC **BK**ESSL remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Wiring
Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware
Tamper-resistant, stainless steel hardware. Knuckle vertical adjustment screw is additionally black oxide treated for additional corrosion resistance.

Finish
StarGuard®, our exclusive RoHS compliant, 15 stage chromate-free pretreatment and electrostatic powder coating provides prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Power Pipe™ (Optional)
Provides a clean transition from wiring system to fixture. Schedule 80, 1/8" PVC housing for direct burial into soil or concrete. Length: 12" (305mm). Finish: Stainless steel. Stainless steel hardware. Optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability.

Universal Ring (Optional)
Mounting in recessed housing; can be driven over by vehicles with pneumatic tyres. Load: 50kN.
Dimming with external dimmers possible (trailing-edge).
Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.
Weight: 4.47kg

Technical data

Luminous flux of the luminaire	1274lm
Connected load	20W
Luminous efficacy	64lm/W
Colour deviation	SDCM<2
Colour rendition index	CRI>90
Lumen maintenance	L80/B10 50000h
LED failure rate	0.1% 50000h
Dimming range	10%-100%
Dimming method	CCR
DALI	no
Energy efficiency class	EEI A+
Temperature on the light aperture	38°C

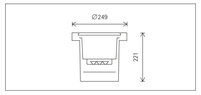
B-K LIGHTING 40439 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

FX12

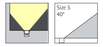
ERCO Tesis In-ground luminaire

Uplight

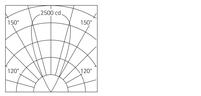








IP 68 3m



LED 18W 1890lm 3000K warm white

33025.000
LED 18W 1890lm 3000K warm white
Dimmable
Version 8
Flush mounting detail
Spherosilt lens, wide flood

Product description
Housing: polymer, black.
Electronic control gear, dimmable. Longitudinally watertight cable 3x1.5mm², L 800mm.
LED module: high-power LEDs on metal-core PCB. SDCM<2. CRI>90. 1800 lm, 3000K. Collimating lens made of optical polymer.
Optical cut-off 40°.
Screw-fastened cover ring with flush safety glass: stainless steel. Safety glass: 15mm, clear.
Installation with separate connection sleeve.
Mounting in recessed housing: can be driven over by vehicles with pneumatic tyres. Load: 50kN.
Dimming with external dimmers possible (trailing-edge).
Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.
Weight: 4.47kg

η(m)	Eff(x)	Qlm(y)	
5	93	4.34	
4	144	3.40	
3	256	2.55	
2	576	1.70	
1	2303	0.85	

ERCO Lighting Ltd.
38 Dover Street
London W1S 4NL
Great Britain
Tel.: +44 20 7344 4900
Fax: +44 20 7409 1530
info.uk@erco.com

ERCO Lighting Pte. Ltd.
Representative Office
349 Pacific Highway
North Sydney NSW 2060
Australia
Tel.: +61 2 9004 8801
Fax: +61 2 9004 8805
info.au@erco.com

ERCO GmbH
Brockhauser Weg 80-82
58507 Lüdenscheid
Germany
Tel.: +49 2351 551 0
Fax: +49 2351 551 300
info@erco.com

Technical Region: 220V-240V/50Hz
We reserve the right to make technical and design changes.
Edition: 26.01.2016
Current version under
www.erco.com/33025.000

Erzeugt mit dem DocScape Publisher, Regelwerk §Rev: 32153 §, am 2016-1-27 um 00:44

F14

HUNZA PURE OUTDOOR LIGHTING

Pond Lite / Pond Lite Weighted Base

PROJECT: _____

TYPE: _____

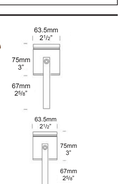
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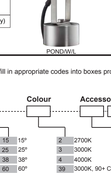
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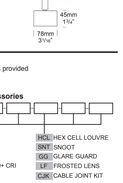
PURELED SPECIFICATIONS CE

LED Chip	Cree XHP-50-2 Plug and Play field replaceable LED board
Luminaire Output	600 Lumens @ 1050mA (6 watts). 420 Lumens @ 700mA (4 watts). 240 Lumens @ 350mA (2 watts). delivered from luminaire with unobstructed beam
Lumens Per Watt	100 Lumens @ 6 watts minimum, delivered from luminaire with unobstructed beam
CRI (3000K)	85+ Standard, 90+ Optional
Colour Temperatures	2700K, 3000K, 4000K
Beam Angles	15, 25, 38, 60
Ingress Protection	IP68
Warranty	Electronics = 5 years Body Corr/ SS = 10 years Body Aluminium = 5 years
Standards	AS/NZS 61046, UL676 (12 volt only)









PRODUCT CONFIGURATION

Please fill in appropriate codes into boxes provided

Cat. No. POND/L or POND/WL

Luminaire	Power	Material/ Finish	Beam	Colour	Accessories
POND/L POND/WL	S SERIES, REMOTE DRIVER D3 12VAC, 2W INTEGRAL D7 12VAC, 4W INTEGRAL D10 12VAC, 6W INTEGRAL	EBK BLACK EBZ BRONZE EOGR OLIVE GREEN EWHI WHITE EWBI WHITE BIRCH EDG DARK GREY ESIL SILVER STAR ECOR CORTEN COPP SOLID COPPER SS STAINLESS STEEL	15 15° 25 25° 38 38° 60 60°	2 2700K 3 3000K 4 4000K 39 3000K, 90+ CRI	HCL HEX CELL LOUVRE SNT SNOOT GG GLARE GUARD LEI FROSTED LENS CJK CABLE JOINT KIT

SERIES, REMOTE DRIVER REQUIRED:
Constant current driver
Individual fixtures require 6vdc @ 1050mA maximum

12VAC INTEGRAL DRIVER:
Hunza integrated plug and play driver (included)
Input:9-15VAC.
Output: 6vdc @ D3=350mA, D7=700mA, D10=1050mA
(1050mA limited to ≤ 40°C (104°F) ambient temperature in stainless steel)

OTHER LAMP OPTIONS:
POND/H or POND/W/H - MR16 Halogen 12V Lamp
POND/SL or POND/W/SL - MR16 LED Retrofit 12V Lamp (lamps vary by market - please refer to supplier for details)
POND/GUH or POND/W/GUH - GU10 120/240V Halogen Lamp (body length increases for all GU10 lamps)
POND/GUSL or POND/W/GUSL - GU10 LED Retrofit 120/240V Lamp (lamps vary by market - please refer to supplier for details)

Please click for Remote Power Supply Guidance Charts:

USA (page 5)
Rest of the World (page 5)

HUNZA PURE OUTDOOR LIGHTING

HUNZA FACTORY: 130 Felton Matthew Ave, Saint Johns, Auckland 2161, New Zealand
PH: +64-9-528 0471
Fax: +64-9-528 9361
sales@hunzalighting.com
www.hunzalighting.com

INTERNATIONAL CONTACTS:
http://www.hunzalighting.com/contact.php

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No.	REVISIONS		DATE	BY

RH

SIMON®

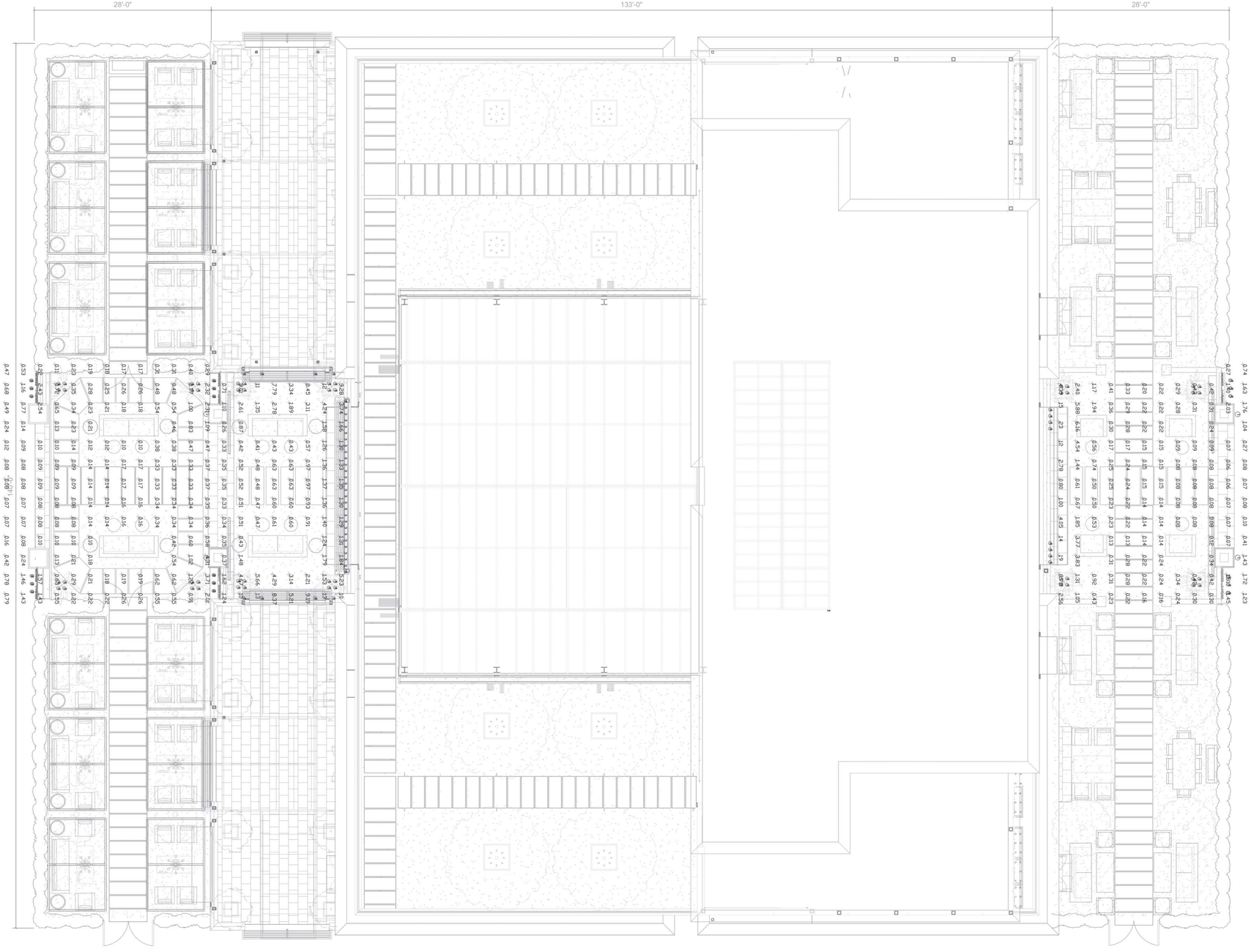
STANFORD
SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC
CITY OF PALO ALTO CALIFORNIA

EXTERIOR LIGHTING SPECIFICATIONS

PROJECT NO.
19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LT-RH2



COURTYARD PHOTOMETRIC PLAN

N.T.S.

No.	REVISIONS	DATE	BY

RH

SIMON®

STANFORD
SHOPPING CENTER

PREPARED FOR
SPG CENTER, LLC

CITY OF PALO ALTO CALIFORNIA

PHOTOMETRIC PLAN

PROJECT NO.
19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LT-RH3

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TYPE L1



TYPE L2



TYPE L3

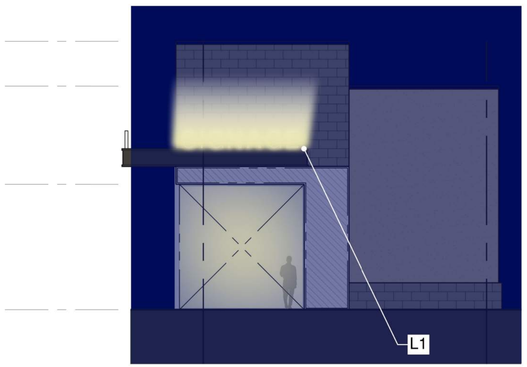


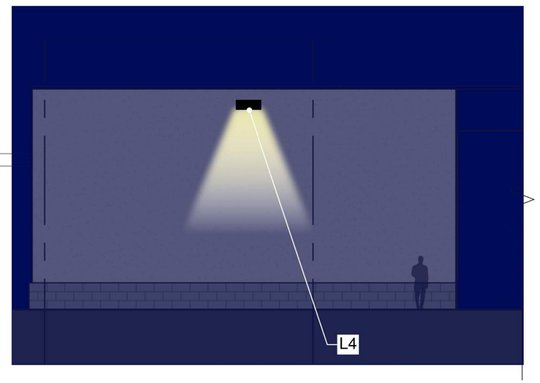
TYPE L4



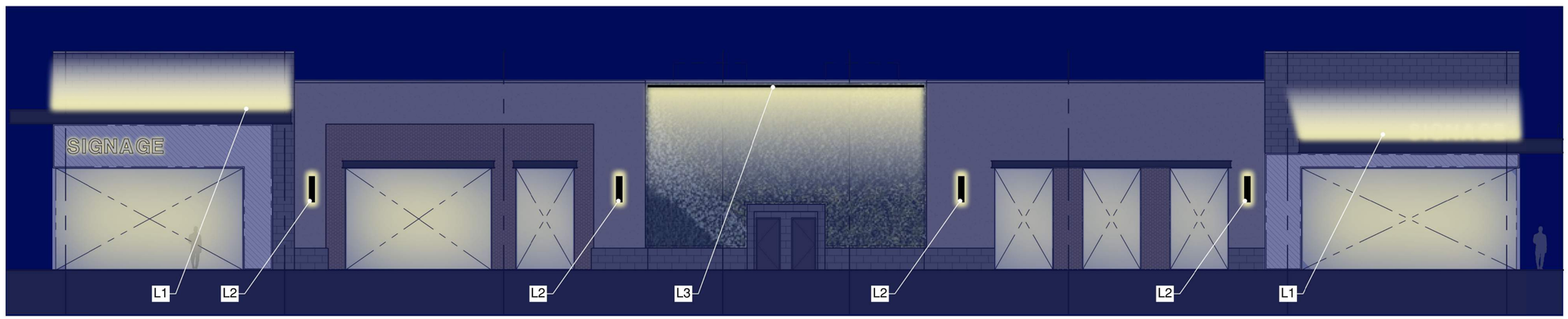












0' 4' 8' 16'

No.	REVISIONS	DATE	BY

GH+A design studios
409 E. Jefferson Ave. 6th Floor,
Detroit, MI, United States 48226
T: 248.374.2360
www.ghadesign.com

the lighting practice

SIMON®

STANFORD
SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC

BUILDING EE
LIGHTING ELEVATIONS

PROJECT NO.
19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LT-EE1

Plotted By:John Galeoo Sheet Set:Kha Layout:ELEV_24x36 May 04, 2019 09:52:51am P:\@ PROJECTS FOLDERS\@Development\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_EL.dwg
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ECOSENSE

TROV

OVERVIEW • SPECIFICATIONS • ORDERING

INTERIOR + EXTERIOR | **L50 GRAZE**

DATE	PROJECT	FIRM	TYPE

THE L50 INCLUDES PATENTED OPTICAL DESIGN THAT DELIVERS THE WIDEST RANGE OF BEAM ANGLE OPTIONS FOR PRECISE COVE, WALL GRAZING, WALL WASHING OR LINE OF LIGHT APPLICATIONS. EXCLUSIVE FLIP TO FLAT™ HINGE DESIGN PROVIDES FLEXIBILITY WHEN MANAGING SMALL COVE DETAILS. TROV OFFERS SMOOTH, FLICKER FREE DIMMING DOWN TO 0%.



FEATURES :

- DIM TO 0%, ELV REVERSE PHASE
- 24 BEAM ANGLES
- MULTI-VOLT
- FLIP TO FLAT™
- 6 CCT OPTIONS
- 80+ AND 90+ CRI OPTIONS
- IP54 INTERIOR AND IP65 EXTERIOR OPTIONS

MODEL/ SIZE	INTERIOR/ EXTERIOR	LENGTH	POWER	CCT	CRI	VOLTAGE	OPTICS
L50	I E	12" 48"	02 04 06 08 10 12	**WHITE CCT** 22 27 30 35 40 50	**MONO COLOR** GR**** BL AM RD***	80 90* Blank For Color	MULT (120-277V)	**GRAZING** 9 x 5 9 x 17 9 x 29 9 x 53 13 x 15 13 x 29 13 x 53 **COVE** Asym Sym **LINE OF LIGHT** LOL	**WASHING** 21 x 23 23 x 33 23 x 53 25 x 73 59 x 5 59 x 29 40 x40 40 x 68 40 x 80 40 x 80 59 x 29 70 x 70

EXAMPLE L50-I-48-10-27-90-MULT-15x65 *90 CRI not available in 2200K or 5000K ****120 is only available with Exterior option. See L-35 spec sheet for interior cove options. ***Red is not available in 12W or 10W. ****Green is not available in 12W.

PERFORMANCE	WATTS	OPTIC	LUMEN OUTPUT	EFFICACY
	2W	9° x 29°	110 lm/LF (361 lm/m)	55 lm/W
	4W	9° x 29°	302 lm/LF (1,037 lm/m)	76 lm/W
	6W	9° x 29°	482 lm/LF (1,614 lm/m)	80 lm/W
	8W	9° x 29°	675 lm/LF (2,224 lm/m)	84 lm/W
	10W	9° x 29°	785 lm/LF (2,644 lm/m)	79 lm/W
	12W	9° x 29°	923 lm/LF (3,109 lm/m)	77 lm/W

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX	80+, 90+
COLOR CONSISTENCY	2-STEP MACADAM ELLIPSE
LUMEN DEPRECIATION / RATED LIFE	WATTS L70 @ 25C L70 @ 50C L90 @ 25C L90 @ 50C 2W-12W >150,000 >70,000 >50,000 >25,000

*SAUCIA ATOM FIXTURES FUTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

* CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

ELECTRICAL	
POWER CONSUMPTION	2W/LF (6.6W/M) ; 4W/LF (13.2W/M) ; 6W/LF (19.8W/M) ; 8W/LF (26.4W/M) ; 10W/LF (33W/M) ; 12W/ft (39.6W/M)
MAX FIXTURE RUN LENGTH	* 5W/LF (9.9W/M) at 220V -277V

	2W/LF		4W/LF		6W/LF		8W/LF		10W/LF		12W/LF	
Volts	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:	Max Run: # of:
120	214	214	186	186	152	152	114	114	91	91	76	76
220	374	382	340	340	277	277	209	209	95	167	95	139
277	374	494	374	438	349	349	263	263	95	190	95	175

POWER FACTOR	4W, 6W, 8W, 10W, 12W >0.9, 2W>0.9
OPERATING VOLTAGE	MULTIVOLT 110-277VAC, 50/60 Hz
DRIVER	INTEGRAL TO FIXTURE, DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS
STARTUP TEMPERATURE	-40° F TO 122° F (-40° C TO 50° C)
OPERATING TEMPERATURE	-40° F TO 122° F (-40° C TO 50° C)
STORAGE TEMPERATURE	-40° F TO 176° F (-40° C TO 80° C)

ECOSENSE LIGHTING INC.
837 NORTH SPRING STREET
SUITE 103
LOS ANGELES, CA 90012

P • 310.496.6255
F • 310.496.6256
T • 855.632.6736
855.6.ECOSEN

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ECOSENSELIGHTING.COM

Catalog No:

Date:12/10/2018

Fixture Type:

L1

Lamp Type: LEDs BY MANUFACTURER

ECOSENSE

TROV

OVERVIEW • SPECIFICATIONS • ORDERING

INTERIOR + EXTERIOR | **L50 GRAZE**

DATE	PROJECT	FIRM	TYPE

CONTROL	**DIMMING**	110-277VAC, ELV TYPE 0.07%-100%, REVERSE PHASE, TRAILING EDGE ETC control systems require 0-10V control using EcoSense LDCM. TROV will not work with ETC phase dimmers.
PHYSICAL	**DIMENSIONS** **HOUSING /LENS** **WEIGHT** **CONNECTORS** **ENVIRONMENT** **BEAM ANGLE** **MOUNTING OPTIONS**	W 1.6" x H 2" x L 12"/48" - (41.6mm x 65.5mm x 304.7mm/1220mm) EXTRUDED ALUMINUM, UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS, PLASTIC ENDCAPS, RUBBER GROMMED FOR CABLE ASSEMBLY 1.52LBS / 0.69KG (12"); 4.95LBS / 2.25KG (48") INTEGRAL MALE/ FEMALE CONNECTORS INDOOR + ETL CERTIFIED FOR DRY/DAMP LOCATIONS IP54 OUTDOOR + ETL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 GRAZING, WASHING, COVE, ASYMMETRIC, LINE OF LIGHT INTEGRAL MOUNTING AND ADJUSTABLE AIMING FROM 0°-180° IN 15° INCREMENTS
FIXTURE RATING & CERTIFICATIONS	**CE, ETL CERTIFIED** **RoHS COMPLIANT** **ENERGY STAR COMPLIANT** **DLC COMPLIANT** **RCM CERTIFIED**	
LIMITED WARRANTY	**5 YEARS**	

WIRING OPTIONS (MVOLT): 110-277VAC

Power Cable Assembly, TROV, Leader/Jumper, 10 foot CBL-3P-L-UNV-10*
Power Cable Assembly, TROV, Leader/Jumper, 50 foot CBL-3P-L-UNV-50*
Power Cable Assembly, TROV, Jumper, 5 foot CBL-3P-L-UNV-05**
Power Cable Assembly, TROV, Jumper, 1 foot CBL-3P-L-UNV-01**
Power Cable Assembly, TROV, Adjustable Jumper, 0" to 7" CBL-3P-L-UNV-ADJ
Power Cable Assembly, TROV, Male and Female terminator caps CBL-3P-L-UNV-CAPS
*Two (2) terminators are included with the 10' and 50' power cable. One Leader need per circuit/fixture run. Cables are not plenum rated.
** Using the 1 or 2 power cable assembly as a leader to power a run one set of CBL-3P-L-UNV-CAPS will also be need per cable.

0-10V CONTROL OPTIONS

100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated LDCM-PL-120-277-010V-GR
All products come integrated with ELV dimming capabilities. 0-10V control options required for operation at 0-10V.

OPTIONAL ACCESSORIES

Housing

Mounting Track and Clips Set, 48 Inch Track, 8 Clips ..... MNT-L-TRKCLIP-48 ..... 48" track and clips set will work with one 48" fixture or four 12" fixtures.
Mounting Track and Clips Set, 12 Inch Track, 2 Clips ..... MNT-L-TRKCLIP-12 ..... 12" track will not work with 48" fixtures.
Mounting Track Clip, TROV, Set of 2 ..... MNT-L-CLIP ..... Clips needed = 12" fixtures need 1 set of 2 and 48" fixture needs 2 sets of 2.
T-CONNECTOR, TROV, Set of 2 ..... **MNT-L-TBRKT** ..... Brackets needed = 12" fixtures need 1 set of 2 and 48" fixtures need 1 set of 2.
Angle Locking Clip, TROV, Pack of 10 ..... MNT-L-ANGLOCK ..... Angle Locks needed = 12" fixtures need 1 and 48" fixtures need 2. (Must order separately)
Mounting, Fine Adjustment Bracket, TROV ..... MNT-L-FAB ..... Fine Adjustment Brackets needed = 12" fixtures need 1 and 48" fixtures need 2.
*Fine Adjustment Bracket is highly recommended for Grazing Optics.
Mounting, Fine Adjustment L-Bracket, TROV ..... MNT-L-LFAB ..... Fine Adjustment L-Brackets needed = 12" fixtures need 1 and 48" fixtures need 2.
*Fine Adjustment L-Bracket is recommended for Asymetric Optics when aiming is needed.

Snap-on Lenses

Snap-on Lens, Frosted, 12 inch, L50 ..... LENS-L50-FROST-12 ..... Snap-on Lenses need = One 12" lens is needed per 12" fixture and one 48" lens
Snap-on Lens, Frosted, 48 inch, L50 ..... LENS-L50-FROST-48 ..... is needed per 48" fixture. Snap on Lenses will not work with the asymmetric
Snap-on Lens, Clear, 12 inch, L50 ..... LENS-L50-CLEAR-12 ..... fixture. Clear lenses can be used to hold colored filters to customize the output
Snap-on Lens, Clear, 48 inch, L50 ..... LENS-L50-CLEAR-48 ..... color of any TROV fixture, except the ASYM. Color filters supplied by others.

Wall Mount Arm

Wall Mount Arm, 6 inch, TROV WMA-L-CA-06
Wall Mount Arm, 12 inch, TROV WMA-L-CA-12
Wall Mount Arm, 18 inch, TROV WMA-L-CA-18
Wall Mount Arm, 24 inch, TROV WMA-L-CA-24
Wall Mount Arm End Plate Set, TROV, Includes Left and Right ..... WMA-L-END
Wall Mount Arm Joiner Plate, TROV ..... WMA-L-JNR

Wall Mount Arms needed = For individual fixture installations two arms and one end set will be needed per fixture. For continuous run installation one endset will be needed per run. Each end set contains one left and one right end plate. One joining set will be needed per joint. One arm per fixture will be need plus one extra arm to complete the run. For example: A 10ft run made with two 4ft and two 1ft fixtures will contain; 1 x WMA-L-END, 3 x WMA-L-JNR, and 5 x WMA-L-CA-12. Leader cables are not included with wall mount arms, end sets, or joiners sets.

Louvers

Louver, Asymmetric, 12 inch, L50 ..... LV-L50-ASYM-12 ..... Louvers Needed = One 12" louver is needed per 12" fixture and one 48" louver is
Louver, Asymmetric, 48 inch, L50 ..... LV-L50-ASYM-48 ..... needed per 48" fixture. 48" louver is made up of four 12" louvers.
Louver, Symmetric, 12 inch, L50 ..... LV-L50-SYM-12 ..... Louvers cannot be used with the asymmetric fixture
Louver, Symmetric, 48 inch, L50 ..... LV-L50-SYM-48
Louver, Honeycomb, 12 inch, L50 ..... LV-L50-HCOMB-12
Louver, Honeycomb, 48 inch, L50 ..... LV-L50-HCOMB-48

ECOSENSE LIGHTING INC.
837 NORTH SPRING STREET
SUITE 103
LOS ANGELES, CA 90012

P • 310.496.6255
F • 310.496.6256
T • 855.632.6736
855.6.ECOSEN

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PATENT - PLAN SHEET / PATENTED TO CONCEPT / PATENT PLAN TO PLAT LOT / PATENTED PLAT TO ASSEMBLE TO CONCEPT

ECOSENSELIGHTING.COM

Catalog No:

Date:12/10/2018

Fixture Type:

L1

Lamp Type: LEDs BY MANUFACTURER

ECOSENSE

TROV

OVERVIEW • SPECIFICATIONS • ORDERING

INTERIOR + EXTERIOR | **L50 GRAZE**

DATE	PROJECT	FIRM	TYPE

OPTIONAL ACCESSORIES

Masking Plates

Masking Plate, 3 inch high, 12 inch, L50 & L35 ..... MP-L50-3H-12 ..... Masking Plates needed = One 12" lens is needed per 12" fixture and one 48" lens
Masking Plate, 3 inch high, 48 inch, L50 & L35 ..... MP-L50-3H-48 ..... is needed per 48" fixture.

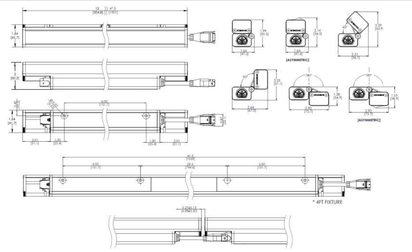
Landscape Stake

Landscape Stake, 6 inch, TROV, Set of 2 ..... LS-L-STK-06 ..... Landscape Stakes needed = 12" and 48" fixtures both need one set of 2.
Landscape Stake, 12 inch, TROV, Set of 2 ..... LS-L-STK-12
Landscape Stake, 18 inch, TROV, Set of 2 ..... LS-L-STK-18

Wire Box

Conduit Connection, Wire Box, TROV, Interior Only, L50 ..... CC-L-WIREBOX ..... Wire box can be used instead of a leader cable to start a run. 1/2" conduit fitting can attach directly to the box on one end and the fixture to the other.

DIMENSIONS + MOUNTING


12" (FIT 304MM)
48" (FIT 1219MM)
1.6" 41MM
2" 51MM
0.5" 13MM
0.75" 19MM
1.25" 32MM
1.5" 38MM
2.5" 64MM
3.5" 89MM
4.5" 114MM
5.5" 140MM
6.5" 165MM
7.5" 191MM
8.5" 216MM
9.5" 241MM
10.5" 267MM
11.5" 292MM
12.5" 318MM
13.5" 343MM
14.5" 368MM
15.5" 394MM
16.5" 419MM
17.5" 445MM
18.5" 470MM
19.5" 495MM
20.5" 521MM
21.5" 546MM
22.5" 572MM
23.5" 597MM
24.5" 622MM
25.5" 648MM
26.5" 673MM
27.5" 699MM
28.5" 724MM
29.5" 749MM
30.5" 775MM
31.5" 800MM
32.5" 826MM
33.5" 851MM
34.5" 876MM
35.5" 902MM
36.5" 927MM
37.5" 953MM
38.5" 978MM
39.5" 1003MM
40.5" 1029MM
41.5" 1054MM
42.5" 1080MM
43.5" 1105MM
44.5" 1130MM
45.5" 1156MM
46.5" 1181MM
47.5" 1207MM
48" 1219

Plotted By:John Goleeo Sheet Set:Rho Layout:ELEV_24x36 May 04, 2019 09:52:51am P:\0 PROJECTS FOLDERS\0Development\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_EL.dwg
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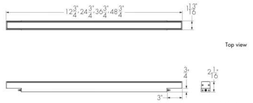
Specification Sheet

lumenfacade nano
LOGN
WHITE AND STATIC COLORS

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



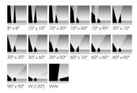


Photometric Summary

4ft, 4 W/ft, 4000K	Delivered output (lm)	Intensity (peak cd)
8"x8"	1,530	41,352
10"x10"	1,456	32,262
10"x30"	1,435	9,126
10"x60"	1,427	4,867
10"x90"	1,424	2,551
30"x10"	1,439	9,098
30"x30"	1,767	4,079
30"x60"	1,713	2,581
30"x90"	1,726	1,865
60"x10"	1,426	5,647
60"x30"	1,730	1,279
60"x90"	1,719	1,540
90"x90"	1,690	1,045
W (120°)	864	N/A
WW	1,524	7,393

Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Description

The Lumenfacade Nano White and Static Colors is a high-efficiency linear LED luminaire that goes where no facade lighting has gone before. Available in 12 in, 24 in, 36 in or 48 in sections, the Lumenfacade Nano is the right fit for general urban structures, historical buildings and those hardest to reach places. The Lumenfacade Nano packs all the bells and whistles of the larger members of the Lumenfacade family and can be configured with a wide number of options, including: optics for grazing, floodlighting or wall-washing; a choice of outputs; various color temperatures or static colors; various mounting options, finishes, accessories and controls. The Lumenfacade Nano is also available with a unique asymmetric distribution, providing exceptional uniformity and brightness for walls and signage.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Length (nominal)	12 in, 24 in, 36 in, 48 in
Optics	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
Options	Corrosion-resistant coating for hostile environments
Power Consumption	2 W/ft, 4 W/ft
Warranty	5-year limited warranty

lumenpulse™ 1220 Marie-Victorin Blvd., Longueuil, QC J4G 2M9 CA | T United States 617 307 5700 | Canada 1 877 937 3003 | 514 937 3003 | F 514 937 6289
info@lumenpulse.com www.lumenpulse.com www.lumenpulse.com/products/1576/lumenfacade-nano

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MG - R4

Catalog No:

Date:05/09/2019

the lighting practice

Lamp Type: LEDs BY MANUFACTURER

Fixture Type:

L3

Specification Sheet

lumenfacade nano
LOGN
WHITE AND STATIC COLORS

Colors and Color Temperatures

2200K 2700K 3000K 3500K 4000K

Red Green Blue

Controls

ON/OFF UCTL

Ratings

IP66 IK08

Certifications

Performance

Delivered Output	884 lm (2 W/ft, 48 in fixture, 4000K, 30° x 30°, UCTL), 1,767 lm (4 W/ft, 48 in fixture, 4000K, 30° x 30°, UCTL)
Delivered Intensity	20,676 cd at nadir (2 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL), 41,352 cd at nadir (4 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL)
Illuminance at Distance	Minimum 1 fc at 144 ft (2 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL), Minimum 1 fc at 203 ft (4 W/ft, 48 in fixture, 4000K, 8° x 8°, UCTL)
Color Consistency	3 SDCM (2 SDCM for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 60° x 10°, W and WW optics)
Color Rendering	CRI 80+
Lumen Maintenance	L70 >90,000 hrs

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	1.4 lbs (12 in), 2.9 lbs (24 in), 4.4 lbs (36 in), 6 lbs (48 in)

Electrical and control

Voltage	48 VDC
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Control	On/Off control, Universal control (compatible with 0-10V, DALI or DMX/RDM systems)

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66
Impact Resistance Rating	IK08 (IK09 for 48 in fixtures)

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the lighting practice

Lamp Type: LEDs BY MANUFACTURER

Fixture Type:

L3

Specification Sheet

lumenfacade nano
LOGN
WHITE AND STATIC COLORS

How to order

1	2	3	4	5	6	7	8

9	10	11	12

1 . Housing

LOGN	Lumenfacade™ Nano

2 . Wattage

2W	2 W/ft [1]
4W	4 W/ft

[1] Not available for static red, green or blue color options.

3 . Voltage

48V	48 VDC

4 . Length

12	12 3/4 in (1.4 lbs)
24	24 3/4 in (2.9 lbs)
36	36 3/4 in (4.4 lbs)
48	48 3/4 in (6 lbs)

5 . Color and Color Temperature [2]

22K	2200K
27K	2700K
30K	3000K
35K	3500K
40K	4000K
RD	Red [2]
GR	Green [2]
BL	Blue [2]

[1] Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.

[2] Static colors made to order 8-10 weeks.

6 . Optics

8x8	8° x 8°
10x10	10° x 10°
10x30	10° x 30°
10x60	10° x 60°
10x90	10° x 90°
30x10	30° x 10°
30x30	30° x 30°
30x60	30° x 60°
30x90	30° x 90°
60x10	60° x 10°
60x60	60° x 60°
60x90	60° x 90°
90x90	90° x 90
W	Wide 120°
WW	Asymmetric Wallwash

7 . Lens

CL	Clear lens [1]
FR	Frosted lens [2]
HFR	Half-frosted lens [3]

[1] Not available for 8x8, 10x10, W or WW optics.

[2] Not available for WW optic.

[3] Available for 8x8, 10x10 or WW optics only.

8 . Mounting Options [1]

SANN	Slim Adjustable Mounting Nano
UMPN	Fixed Mounting Nano
UMASN	Universal Adjustable Mounting Nano
WAMN2	Adjustable Wall Mounting Nano 2 in
WAMN6	Adjustable Extended Arm Mounting Nano 6 in
WAMN12	Adjustable Extended Arm Mounting Nano 12 in
WAMN18	Adjustable Extended Arm Mounting Nano 18 in

[1] One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.

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Catalog No:

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the lighting practice

Lamp Type: LEDs BY MANUFACTURER

Fixture Type:

L3

Specification Sheet

lumenfacade nano
LOGN
WHITE AND STATIC COLORS

9 . Finish

BK	Black Sandtex®
BRZ	Bronze Sandtex®
SI	Silver Sandtex®
WH	Smooth white
CC	Custom color and finish (please specify RAL color) [1]

[1] Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

10 . Control [2]

NO	On/Off control
UCTL	Universal control (compatible with 0-10V, DALI or DMX/RDM systems)

[1] A Lumivillage Control Box (CBX) or Lumivillage Splitter Box (CBXS) and Lumeo® (LED) must be specified.

11 . Options

CRC	Corrosion-resistant coating for hostile environments [1]

[1] Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure.

12 . Certification

UL	UL compliant
CE	CE compliant

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Catalog No:

Date:05/09/2019

the lighting practice

Lamp Type: LEDs BY MANUFACTURER

Fixture Type:

L3



WST LED
Architectural Wall Sconce

Catalog Number

Notes

Type

Hit the tab key or mouse over the page to see all interactive elements

Specifications

Luminaire

Height: 8-1/2" (21.59 cm)

Width: 17" (43.18 cm)

Depth: 10-3/16" (25.9 cm)

Weight: 20 lbs (9.1 kg)

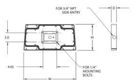


Optional Back Box (PBBW)

Height: 4" (10.2 cm)

Width: 5-1/2" (14.0 cm)

Depth: 1-1/2" (3.8 cm)

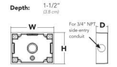


Optional Back Box (BBW)

Height: 4" (10.2 cm)

Width: 5-1/2" (14.0 cm)

Depth: 1-1/2" (3.8 cm)



Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

LITHONIA LIGHTING One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com

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WST LED
Rev. 11/01/17

Catalog No:

Date:02/15/2018

the lighting practice

Lamp Type: LEDs BY MANUFACTURER

Fixture Type:

L4

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED							
Series	**Performance Package**	**Color temperature**	**Distribution**	**Voltage**	**Mounting**		
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 277 120 347 [1] 208 480 [1] 240	**Shipped included** (blank) Surface mounting bracket **Shipped separately** BBW Surface-mounted back box [2] PBBW Premium surface-mounted back box [2]		

Options				Finish (required)	
PE	Photoelectric cell, button type [3]	E7WC	Emergency battery backup, Non-CEC compliant (cold, 7W) [4]	DDBXD	Dark bronze
PER	NEMA twist-lock receptacle only (controls ordered separate) [4]	E7WHR	Remote emergency battery backup, Non-CEC compliant (remote 7W) [4]	DBLXD	Black
PERS	Five-wire receptacle only (controls ordered separate) [4]	E20WH	Emergency battery pack 18W constant power, CEC compliant [4]	DNAXD	Natural aluminum
PERT	Seven-wire receptacle only (controls ordered separate) [4]	E20WC	Emergency battery pack -20°C 18W constant power, CEC compliant [4,5]	DWHXD	White
PIR	Motion/Ambient Light Sensor, 8-15' mounting height [3]	E20WHC	Emergency battery pack -20°C 18W constant power, CEC compliant [4,5]	DSSXD	Sandstone
PIRFC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 3fc [3]	E23WHR	Remote emergency battery backup, Non-CEC compliant (remote 20W) [4,5,6]	DDBTXD	Textured dark bronze
PIRH	180° motion/ambient light sensor, 15-30' mounting height [3]			DBLBXD	Textured black
PIRHFC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 3fc [3]			DNATXD	Textured natural aluminum
SF	Single fuse (120, 277, 347V) [7]			DWHGXD	Textured white
DF	Double fuse (208, 240, 480V) [7]			DSTTXD	Textured sandstone
DS	Dual switching [8]				
E7WH	Emergency battery backup, Non-CEC compliant (7W) [4]				

Shipped separately	
RBPW	Retrofit back plate [9]
VG	Vandal guard [10]
WG	Wire guard [11]

Accessories

Ordered and shipped separately.

WSTAUPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3. Also available as a separate accessory; see accessories information.
4. Top conduit entry standard.
5. Need to specify 120, 208, 240 or 277 voltage.
6. Not available with E20WH, E20WC or E20WHC. Requires one item from Acuity Brands Controls, Sterling Cee included.
7. Not available with VG or WG. See PER Table.
8. Reference Motion Sensor table.
9. Not available with Emergency options, PE or PER options.
10. Not available with 347/480V.
11. Not available with 480V or for -20° to 40°C.
12. Comes with PBBW.
13. Warranty period is 3 years.
14. Not available with BBW.
15. Must order with fixture; not an accessory.

Emergency Battery Operation

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.
All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 356.16.
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.
The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

LITHONIA LIGHTING One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com

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WST LED
Rev. 11/01/17

Catalog No:

Date:02/15/2018

the lighting practice

Lamp Type: LEDs BY MANUFACTURER

Fixture Type:

L4

No.	REVISIONS	DATE	BY

GH+A design studios
409 E. Jefferson Ave. 6th Floor.
Detroit, MI, United States 48226
T: 248.374.2360
www.ghadesign.com

the lighting practice

SIMON®

STANFORD
SHOPPING CENTER
PREPARED FOR
SPG CENTER, LLC

BLDG EE
LIGHTING CUTSHEETS

PROJECT NO.
19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LT-002

Plotted By:John Goleeo Sheet Set:Rno Layout:ELEV_24x36 May 04, 2019 09:52:51am P:\0 PROJECTS FOLDERS\0Development\Simon Property Group - 290\Stanford Shopping Center\121522.001_Bldg J_Expansion\01_CAD\SSC_BLDG J_EL.dwg
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LineLED LL Series Wet Tube | IP65 & IP67 rated Linear LED strip - 24V

luminii



LL18 LL30 LL36 LL54

LineLED Wet Tube is a new small profile, more energy efficient LED strip for wet locations. The LineLED Wet Tube has superior light output, a durable but flexible circuit board and it is very easy to install.
Due to the sealing bond needed to guarantee the wetrating, exact lengths are required to order the lineLED Wet Tube. Extending and tuning corners in the field require custom production.
LineLED Wet Tube is not suitable for applications where LEDs can become submerged. For extended period of time.

Applications: outdoor / wet location, above cabinet, cove lighting, counter accent, architectural accents, under banisters, decks, gazebos. barbeque stations and wet bars.

Mounting
LED strip is equipped with 3M™ VHB™ adhesive transfer tape.

Approvals
IP65 & IP67 rated

Beam Angle
120°

Operating voltage
24 VDC

Average life
50,000 hours

Warranty
3 years

Technical information

MODEL	LL18 WET	LL30 WET	LL36 WET	LL54 WET
LEDS/ft	18	30	36	54
Light output 3000K	121 lum/ft	190 lum/ft	244 lum/ft	333 lum/ft
Average power consumption (for 1.5' section)	1.5 W/ft	2.5 W/ft	3.0 W/ft	4.5 W/ft
Cutting increment	4.00"	2.50"	2.00"	1.3"
Maximum run length (in series)	100 ft	48 ft	39 ft	26 ft
Profile Dimensions W/connector dimensions, see line drawing	0.47" W 0.24" H	0.47" W 0.24" H	0.47" W 0.24" H	0.47" W 0.24" H

CCT INFO/LUMEN MULTIPLIER — **TM-30-15**

Color temperature	Multiplier (referenced from 3000K)	CRI	R_f	R_g
2700K	0.81	98	95	101
3000K	1.00	92	90	99
3500K	1.05	94	90	99

SECTION START/END OPTIONS

72" Soldered leads (SL65)



72" Soldered leads (SL67)



Female quick connect end (F)



Male quick connect end (M)



No connector (NC) IP65 model only



No connector (NC) IP67 model only



Ordering code

MODEL	ENCLOSURE	COLOR TEMPERATURE	SECTION START	SECTION END	LENGTH
LL18WET	T	27K	SL67	NC	
LL18WET LL30WET *LL36WET *LL54WET	T - Tube	**27K** - 2700K **30K** - 3000K **35K** - 3500K ****Temperature** - Custom	SL65 - IP65 Soldered lead wires (72") SL67 - IP67 Soldered lead wires (72") **F** - Female connector **M** - Male connector **NC** - No connector	SL65 - IP65 Soldered lead wires (72") SL67 - IP67 Soldered lead wires (72") **F** - Female connector **M** - Male connector **NC** - No connector	view table above for increment options and maximum run limits.

* TAA-24 Compliant
** Other color temperature are available for special order

Catalog No:
Date:05/09/2019
Fixture Type:
Lamp Type: LEDs BY MANUFACTURER
L5
Page: 1 of 1

LED wall luminaire - light output on one side

BEGA

Application
This LED wall mounted luminaire has light output on one side. Thick-walled crystal glass characterizes the design of this distinctive luminaire. Arranged individually or in groups, this is a great design element for a host of lighting applications.
Materials
Luminaire housing constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Crystal glass, inside white
High temperature silicone gasket
Mechanically captive stainless steel fasteners
NRTL listed to North American Standards, suitable for wet locations
Protection class IP64
Weight: 3.1 lbs
Electrical

Controllability	
Color rendering index	Ra > 80
Luminaire lumens	420 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 50° C	137,000 h (L70)

LED color temperature
☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☐ 3000K - Product number + **K3**
☐ 2700K - Product number + **K27**
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details
Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.
Available colors: ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:
BEGA Product:
Project:
Modified:





LED wall luminaire | light output on one side

	LED	A	B	C
33449	8.2W	4½	5½	5½

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com
Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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Catalog No:
Date:05/09/2019
Fixture Type:
Lamp Type: LEDs BY MANUFACTURER
L6
Page: 1 of 1

ADONIS IP67 Static White/Tunable White/RGB

LED LINEAR™ lighting solutions | Member of the Hayford Group

24V, IP67 protected and IK10 certified, linear surface-mounted LED luminaire with small form factor. Full polyurethane encapsulation with an opal polyurethane top layer offering a premium water proof sealing, UV resistance, chemical stability and protection against abrasion. Extruded H-shaped aluminum body powder coated in white with cable runway on the back. Delivered with male/female mini IP67 connectors and translucent end caps for a perfect light continuity. Ideal solution for facades accent or general lighting in outdoor or humid environments. Light source assembled using Reel to Reel (R2R) production process supporting LED Linear™ TJ Away® thin flexible circuit board technology. Outstanding lifetime of >60.000 hrs L80/B10 (>30,000 hrs R5B). Embeds high quality japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of 9Kmx120 ensuring exceptional color consistency over the rated lifetime. Premium color rendition with CRI up to 95 and TM-30-15 up to Rf = 91 / Rg = 101. Consistent light intensity all along the luminaire length. Fully PWM dimmable. Engineered and produced in Germany.



Project name
Fixture type
Phase
Specifier
Date

Static White | Tunable White | RGB | ETL Listed

3 yrs Color	5 YEARS Driver	Push In Wire Protection	3 Zones Thermal Management	Rear Box Entry	L70 Lifetime	4 Step Photometric Code	IEC LM-79	IEC LM-80
No Color Shift	Up to 700 mA Programmable Constant Current	High Quality Solder Free Wire	Exceptional Thermal Dissipation	3 Wire Inlet up to 18 GA	120,000+ HOURS R5/ 24,000 HOURS R10	Mcad 3 SDCM	LM79 compliant	LM80 Compliant

Ordering Process

Step 1



Luminaire (Page 3)

Step 2



Mounting Accessories (Page 4)

Step 3



Cables and Connectors (Page 5)

Step 4



Drivers and Controllers (Page 6)

Luminaire Order Code

Product	Model	Lumen package*	Color rendering	Color temperature	Standard length*	Ingress
ADONIS TC		lm/m lm/ft	W...	...	mm ft	IP67
	HYBRA - Static white	HD06=120 lm/ft	W8=80CRI	20=2000K	30=3000K	639=2 ft
		HD10=200 lm/ft	W9=90CRI*	27=2700K	35=3500K	957=3 ft
		HD15=320 lm/ft		25=2500K	40=4000K	1264=4 ft
		HD25=520 lm/ft		27=2700K	50=5000K	1514=5 ft
		HD36=750 lm/ft				1827=6 ft
	2DV ATON - Tunable white	HD12=150 lm/ft	-	-		
		HD24=310 lm/ft	-	-		
	RGB - 622nm (R) 532nm (G) 466nm (B)	HD20=140 lm/ft	-	-		

* Lumen Values represent 5000K (W850) * Only available with HD06 and HD10 lumen packages with 2700K, 3000K, 3500K and 4000K

* Values represent nominal lengths. For exact lengths, see mechanical details on page 2

		HD6		HD10		HD15		HD25		HD36	
	Color temperature*	Lumen/ft	W/ft*	Lumen/ft	W/ft*	Lumen/ft	W/ft*	Lumen/ft	W/ft*	Lumen/ft	W/ft*
STATIC WHITE	WW20	2,000 K	70	1.8	120	3.0	190	4.7	300	7.6	450	11
	WW22	2,200 K	80	1.8	130	3.0	220	4.7	350	7.6	510	11
	WW25	2,500 K	90	1.8	150	3.0	250	4.7	400	7.6	580	11
	WW27/W8CRI	2,700 K	80	1.8	140	3.0	260	4.7	420	7.6	620	11
	WW30/W9CRI	3,000 K	80	1.8	140	3.0	280	4.7	450	7.6	660	11
	WW35/W9IS	3,500 K	90	1.8	160	3.0	290	4.7	470	7.6	690	11
	WW40/W9HE	4,000 K	90	1.8	160	3.0	300	4.7	480	7.6	700	11
	W850	5,000 K	120	1.8	200	3.0	320	4.7	520	7.6	750	11

* CCT Tolerances occur in IP67 products due to the encapsulation of the fixtures.
* The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Catalog No:
Date:05/09/2019
Fixture Type:
Lamp Type: LEDs BY MANUFACTURER
L7
Page: 1 of 2

ADONIS IP67 Static White/Tunable White/RGB

LED LINEAR™ lighting solutions | Member of the Hayford Group

Mechanical Details



Inground Channel (Accessory)



Mounting

Easy and clean installation due to internal mounting clips. ADONIS / RASTPRO housing also acts as cable raceway. Therefore you do not see any clips or cables from the outside.





Technical Details

	Static White	Tunable White	RGB
Voltage	24 Volt (23 V_{min}, 25 V_{max})	24 Volt (23 V_{min}, 25 V_{max})	24 Volt (23 V_{min}, 25 V_{max})
Case temperature*	T_{min} = -20°F, T_{max} = specific, see Table below	T_{min} = -13°F, T_{max} = specific, see Table below	T_{min} = -13°F, T_{max} = specific, see Table below
Storage temperature	T_{min} = -22°F, T_{max} = 185°F	T_{min} = -22°F, T_{max} = 185°F	T_{min} = -22°F, T_{max} = 185°F
Ambient temperature	T_{Amb} = -13°F, T_{Amb} = specific, see Table below	T_{Amb} = -13°F, T_{Amb} = 104°F	T_{Amb} = -13°F, T_{Amb} = 104°F

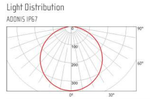
* The position of the Tc-point is marked on each strip of the LED strip. The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

	Static White					Tunable White		RGB
	HD6	HD10	HD15	HD25	HD36	HD12	HD24	HD20
Power (W/ft)*	1.8	3.0	4.7	7.6	11	3.7	7.3	6.7
Efficacy (lm / W)* @ W850	65	65	69	68	68	40	42	21
CRI / R9 @ 3000 K	95 / 70	95 / 70	85 / 30	85 / 30	85 / 30	85 / 20	85 / 20	-
Max serial run length (ft / m)	16.4 / 5	16.4 / 5	13.1 / 4	9.8 / 3	6.6 / 2	16.4 / 5	13.1 / 4	13.1 / 4
Case temperature Tc-point (T_{max})*	158°F	158°F	158°F	167°F	185°F	158°F	158°F	158°F
Max ambient temperature (T_{Amb})	122°F	122°F	122°F	113°F	95°F	122°F	122°F	122°F

* The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Light Distribution

ADONIS IP67



Catalog No:
Date:05/09/2019
Fixture Type:
Lamp Type: LEDs BY MANUFACTURER
L8
Page: 2 of 2

LED wall luminaire - light output on two sides

BEGA

Application
This LED wall mounted luminaire has light output on two sides. Thick-walled crystal glass characterizes the design of this distinctive luminaire. Arranged individually or in groups, this is a great design element for a host of lighting applications.
Materials
Luminaire housing constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Crystal glass, inside white
High temperature silicone gasket
Mechanically captive stainless steel fasteners
NRTL listed to North American Standards, suitable for wet locations
Protection class IP64
Weight: 1.4 lbs
Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	5.8 W
System wattage	8 W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	290 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 40° C	254,000 h (L70)

LED color temperature
☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☐ 3000K - Product number + **K3**
☐ 2700K - Product number + **K27**
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details
Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.
Available colors: ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:
BEGA Product:
Project:
Modified:





LED wall luminaire | light output on two sides

	LED	A	B	C	Required wiring box
33505	5.8W	3½	4½	4	**19538**

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Lamp Type: LEDs BY MANUFACTURER
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409 E. Jefferson Ave. 6th Floor.
Detroit, MI, United States 48226
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LIGHTING CUTSHEETS

PROJECT NO.
19PLN-00110

DATE
NOVEMBER 06, 2019

SHEET NUMBER
LT-003