ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
Ø	DIAMETER or ROUND
<E>	EXISTING
<F>	FUTURE
AB	ANCHOR BOLT
AC	ASPHALT CONCRETE
ACOUST	ACOUSTICAL
ADA	AMERICANS WITH DISABILITIES ACT
ADD'L	ADDITIONAL
ADJ	ADJUSTABLE
AF	ACCESS FLOOR
AFF	ABOVE FINISH FLOOR
AFS	AUTOMATIC FIRE SPRINKLERS
ALUM	ALUMINUM
ARCH	ARCHITECT/ARCHITECTURAL
ATT	ATTENUATION
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKTS	BLANKETS
BU	BUILT-UP
C	CARPET
CBC	CALIFORNIA BUILDING CODE
CFC	CALIFORNIA FIRE CODE
CFS	CHANNEL FRAMING SYSTEM
CG	CORNER GUARD
CH	COAT HOOK
CLG	CEILING
CLR	CLEAR
CMC	CALIFORNIA MECHANICAL CODE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONF	CONFERENCE
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
CP	CARPET PAD
CPC	CALIFORNIA PLUMBING CODE
CR	CLEAN ROOM
CSK	COUNTERSUNK
CT	CARPET TILE
DEMO	DEMOLISH/DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EEWS	EMERGENCY EYEWASH & SHOWER
EIFS	EXTERIOR INSULATION &FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
ELEV	ELEVATOR or ELEVATION
EMERG	EMERGENCY
EPB	ELECTRIC PANEL BOARD
EQ	EQUAL
EWC	ELECTRICAL WATER COOLER
EXT	EXTERIOR
FAR	FLOOR AREA RATIO
FB	FLAT BAR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FIRE RATING/RATED
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FIRE SPRINKLER
FT	FOOT
FTGS	FOOTINGS
FURN	FURNISH or FURNITURE
FVC	FIRE VALVE CABINET
FWP	FABRIC WRAPPED PANELS
G	GROUT
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GBDW	GYPSUM BOARD DRYWALL
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS
GR	GRADE
GSM	GALVANIZED SHEET METAL
HC	HANDICAPPED
HM	HOLLOW METAL
HP	HIGH POINT
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
INCL	INCLUDING
INS	INSIDE
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
LAM	LAMINATE
LAV	LAVATORY
LP	LOW POINT or PLASTIC LAMINATE
LSD	LIQUID SOAP DISPENSER
M<E>	MATCH EXISTING
MAX	MAXIMUM
MB	MACHINE BOLT
MF	MONOLITHIC FLOORING
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
MTL	METAL
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OCC	OCCUPANT(S)
OD	OVERFLOW DRAIN
OH	OPPOSITE HAND
OPNG	OPENING
PL	PLATE
P	PAINT
P LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLWD	PLYWOOD
PT	POINT
PTD	PAPER TOWEL DISPENSER
R	RISER
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR
REFL	REFLECTED
REQD	REQUIRED
RF	RESILIENT FLOORING
RM	ROOM
RSD	RECESSED SOAP DISPENSER
RT	RESILIENT TILE
RWD	REDWOOD
RWL	RAIN WATER LEADER
SC	SEALED CONCRETE
SD	STORM DRAIN
SEC	SECTION
SF	STONE FLOORING or SQUARE FEET
SG	SPECIAL GLASS
SHT	SHEET
SIM	SIMILAR
SMS	SHEET METAL SCREW
SSM	SOLID SURFACING MATERIAL
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STSM	SELF TAPPING SHEET METAL
T	TREAD or TILE
T&B	TOP AND BOTTOM
TCV	TEMPORARY CONTROL VALVE
TI	TENANT IMPROVEMENTS
TOS	TOP OF SLAB or TOP OF STEEL
TP	TOILET PAPER
TS	TUBE SECTION
TSC	TOILET SEAT COVER
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VIF	VERIFY IN FIELD
VCT	VINYL COMPOSITION TILE
W/	WITH
W/0	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WF	WOOD FLOORING
WH	WATER HEATER
WO	WHERE OCCURS
WR	WATER RESISTANCE or WASTE RECEPTACLE
WP	WATERPROOF
WT	WINDOW TREATMENT
WV	WOOD VENEER
WWF	WELDED WIRE FABRIC

PRINT DATE: 10/30/2018 5:09:09 PM

PROJECT DESCRIPTION

THE PROPOSED PROJECT CONSISTS OF THE CONSTRUCTION OF A COVER OVER CEPHEID'S EXISTING RECYCLING AND SOLID WASTE AREAS. THIS NEW ROOF STRUCTURE WILL BE CONSIDERED PART OF 904 CARIBBEAN AND WILL BE FULLY SPRINKLERED. AN ALLOWABLE AREA ANALYSIS HAS BEEN PROVIDED TO CONFIRM THE SIZE OF THE BUILDING COMPLIES WITH THE 2016 CBC BASED ON CONSTRUCTION TYPE AND USE.

THE PROPOSED PROJECT ASLO INCLUDES MODIFICATIONS TO THE TOTAL PARKING COUNT ON THE SITE. THE REDUCTION IN PARKING STALLS WILL BE MITIGATED THROUGH AN AGREEMENT WITH TWIN CREEKS LOCATED AT 969 CARIBBEAN DRIVE TO LEASE (50) AUTOMOBILE PAIRKING SPACES FOR (6) MONTHS WITH THE AGREEMENT BEING RENEWED IN 6 - MONTH INCREMENTS THEREAFTER.

NO CHANGES ARE BEING PROPOSED TO EXISTING PARKING SPACES AND NO NEW COMPACT SPACES ARE BEING PROPOSED.

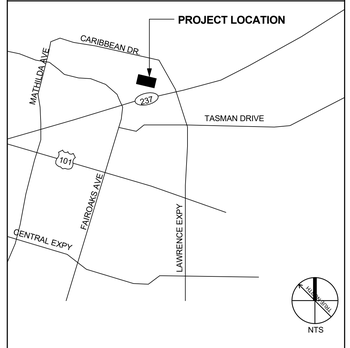
THE EXTENT/PERCENTAGE OF IMPERVIOUS TO PERVIOUS SURFACES WILL NOT BE ALTERED / CHANGED DUE TO THIS PROJECT.

NONE OF THE SITE LANDSCAPING OR IRRIGATION IS BEING DISRUPTED DUE TO THIS PROJECT.

PROJECT DATA

BUILDING AREA:	
904 CARIBBEAN DR. (INCLUDES PROPOSED COVERED AREA)	79,297 SF
918 CARIBBEAN DR.	70,400 SF
EXTERIOR AREA OF WORK:	4,521 SF
CONSTRUCTION TYPE:	
904 CARIBBEAN DR.	III-B
918 CARIBBEAN DR.	III-B
STORIES:	
904 CARIBBEAN DR.	ONE
918 CARIBBEAN DR.	ONE
OCCUPANCY:	
904 CARIBBEAN DR.	<E> B, <E> F-1, <E> A-3
918 CARIBBEAN DR.	<E> F-1, <E> B, <E> S-1
BUILDING CODE:	2016 CBC
FIRE CODE:	2016 CFC
MECHANICAL CODE:	2016 CMC
ELECTRICAL CODE:	2016 CEC
PLUMBING CODE:	2016 CPC
ENERGY CODE:	2016 CA ENERGY CODE
GREEN CODE:	2016 CAL GREEN BLDG CODE
SPRINKLERED:	
904 CARIBBEAN DR.	FULLY SPRINKLERED
918 CARIBBEAN DR.	FULLY SPRINKLERED
PARCEL NUMBER:	110-37-001
ZONING CLASSIFICATION:	MP-I

PROJECT LOCATION



DRAWING INDEX

TITLE

ARCHITECTURAL

REFERENCE

ELECTRICAL

PROJECT TITLE

Cepheid

BUILDING 1
COVERED RECYCLING AREA

904/918 CARIBBEAN DRIVE
SUNNYVALE, CA 94089

PARKING AGREEMENT

LICENSE AGREEMENT

This LICENSE AGREEMENT ("Agreement") is made as of **Sunday, August 5, 2018 ("Effective Date"), until Monday, February 4, 2019 ("End Date")** by and between **TWIN CREEKS,** having an address at 969 Caribbean Drive, Sunnyvale, CA 94089 ("Licensor") and **CEPHEID,** having an address at 904 Caribbean Drive, Sunnyvale, CA 94089. ("Licensee"). Licensee and Licensor are each a "Party" and collectively "Parties" to the Agreement. Licensor is the owner of that certain real property located in Sunnyvale, California and more commonly known as 969 Caribbean Drive, Sunnyvale, CA 94089 (the "Property"). Licensee desires to acquire a license to enter upon and use the Property for purposes more particularly described herein. Licensor has agreed to grant to Licensee a license for the purposes described herein, subject to the terms and conditions hereinafter set forth.

NOW THEREFORE, in consideration of the mutual promises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties do hereby agree as follows:

1. Licensor hereby grants to Licensee a license (the "License"), subject to the conditions described below, to enter upon the Property and for the nonexclusive use of up to 25 automobile parking spaces on the Property in the parking area (the "Vehicle Parking Area") to park in any open/available stall. Overflow parking may require Cepheid to park in dirt areas if all stalls are full for major events.

2. Licensor represents and warrants that it has the authority and permission to lease out the Vehicle Parking Area.

3. The term of this License shall commence on the Effective Date and shall be from **August 5, 2018 ("Effective Date"), until February 4, 2019 ("End Date")** for a fee of three thousand five hundred USD ($3,500). This Agreement may be renewed upon mutual agreement of the Parties in writing.

4. Licensee shall remove from the Property all automobiles that Licensee has temporarily parked in the Vehicle Parking Area on or before the close of business on February 4, 2019.

5. The License granted hereby is expressly conditioned upon the following:

   a. Licensee shall maintain the parking spaces utilized in the Vehicle Parking Area in substantially the same condition of repair and appearance existing as of the Effective Date, ordinary wear and tear and casualty excepted. The Licensee shall keep the spaces utilized in the Vehicle Parking Area clear of any hazardous debris, as required. The Licensee shall not make any alterations, additions or improvements to the Vehicle Parking Area without the prior written approval of the Licensor.

   b. Licensee shall use the Vehicle Parking Area solely for parking automobiles on a daily basis (as opposed to overnight storage of automobiles or other vehicles) and shall exercise its right of entry onto the Property solely for such purposes. Licensee's entry onto and use of the Property shall be in compliance with (a) all laws, codes and regulations applicable thereto and (b) any rules and regulations governing the use of the Property which may be promulgated by Licensor from time to time and provided in writing to Licensee.

6. In consideration for the granting of this License, Licensee shall pay to Licensor effective upon execution of this License, a minimum monthly license fee of $3,500.00 for use of 25 stalls (the license fee for any partial month at the beginning of the term of this License shall be prorated based upon the actual number of days in such month). Any stall use over the agreed 25 will be billed at $4.66 per stall per day on top of the agreed upon Fee (minimum guarantee $3,500.00). The monthly license fee is computed at the rate of $116.66 per day ($4.66) per automobile parking space. Licensee shall make payment within ninety (90) days from the receipt of Licensor's undisputed invoice.

7. Any stall use over the agreed 25 will be billed at $4.66 per stall per day on top of the agreed upon fee (minimum guarantee of $3,500.00). This will be monitored daily from **August 5, 2018 ("Effective Date"), until February 4, 2019 ("End Date")** and Twin Creeks will notify Cepheid on a weekly basis for 30 days estimated uses by Cepheid parking.

8. Licensor shall not be liable for any damage or injury to Licensee, or any other person, or to any tangible property, occurring on the Property or any part thereof, except where caused by the negligence or willful misconduct of Licensor, including its officers, directors, employees and agents.

9. As used herein, "Confidential Information" means all non-public information disclosed by a Party ("Disclosing Party") to the other Party ("Receiving Party"), whether orally, in writing, or otherwise, including this Agreement. Confidential Information shall not include any information that (i) is or becomes generally known to the public without breach of any obligation owed to the Disclosing Party, (ii) was known to the Receiving Party prior to its disclosure by the Disclosing Party without breach of any obligation owed to the Disclosing Party, (iii) is lawfully disclosed to the Receiving Party by a third party without restriction on disclosure or without breach of any obligation owed to the Disclosing Party, (iv) was independently developed by the Receiving Party, or (v) is disclosed by the Receiving Party with the Disclosing Party's prior written approval.

   Protection of Confidential Information: Except as otherwise permitted in writing by the Disclosing Party, (i) the Receiving Party shall use at least the same degree of care that it uses to protect the confidentiality of its own confidential information of like kind (but in no event less than reasonable care) not to disclose or use any Confidential Information of the Disclosing Party for any purpose outside the scope of this Agreement, and (ii) the Receiving Party shall limit access to Confidential Information of the Disclosing Party to those of its employees, contractors and agents who need such access for purposes consistent with this Agreement and who have signed confidentiality agreements with the Receiving Party containing protections no less stringent than those herein.

   Compelled Disclosure: The Receiving Party may disclose Confidential Information of the Disclosing Party if it is compelled by law to do so, provided in all cases that the Receiving Party takes reasonable and lawful actions to avoid and minimize the extent of such disclosure and gives the Disclosing Party prior written notice as far in advance of the date of such compelled disclosure as possible (to the extent legally permitted). If the Disclosing Party wishes to contest the disclosure, the Receiving Party shall provide reasonable assistance, at the Disclosing Party's cost, to prevent or limit disclosure

10. All notices requests or demands to a Party hereunder shall be in writing and shall be given or served upon the other party by personal service, by certified return receipt requested or registered mail, postage prepaid, or by Federal Express or other nationally recognized commercial courier, charges prepaid, addressed as set forth below. Any such notice, demand, request or other communication shall be deemed to have been given upon the earlier of personal delivery or upon written confirmation of delivery to the notified Party. Each Party shall be entitled to modify its address by notice given in accordance with this Paragraph 11.

If to Licensor:	If to Licensee:
Twin Creeks Sports Complex 969 E Caribbean Dr. Sunnyvale, Ca. 94089 Attn: Dave Collishaw	Cepheid 904 Caribbean Drive Sunnyvale, CA 94089 Attn: Legal Department

11. Subject to the provisions herein, this License is binding upon and inures to the benefit of the heirs, assigns and successors in interest to the Parties. Neither Party shall assign, sublicense or otherwise transfer the rights hereunder without the prior written consent of the other Party. For clarity, use of the Vehicle Parking Area by guests and/or visitors of Licensee shall not require prior written consent of Licensor.

12. No liability shall result to either Party from such Party's delay in performance or non-performance under this Lease caused by circumstances beyond such Party's control, including but not limited to acts of God, war, terrorism, riot, fire, explosion, accident, flood, sabotage, strike, lockout, injunctions, catastrophic breakage or failure of machinery or apparatus, national defense requirements or compliance with or change in applicable law. The non-performing Party shall be diligent in attempting to remove any such cause and shall promptly notify the other Party of the extent and probable duration of such cause.

13. IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR INDIRECT DAMAGES OF ANY KIND, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF USE, DATA, BUSINESS OR PROFITS) ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE USE OF OR INABILITY TO USE THE INSTRUMENT OR FOR ANY ERROR OR DEFECT IN THE INSTRUMENT OR REAGENT PRODUCTS, WHETHER SUCH LIABILITY ARISES FROM ANY CLAIM BASED UPON CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE, WHETHER ACTIVE OR PASSIVE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT CEPHEID HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

14. In the event either Party commits a material breach of its obligations under this Agreement and fails to cure such breach within thirty (30) days after receiving written notice thereof, the non-breaching Party may terminate this Agreement immediately upon written notice to the breaching party.

15. The Agreement shall be governed by and construed in accordance with the internal laws of the State of California, U.S.A.

16. If any legal action, arbitration or other proceeding is commenced to enforce or interpret any provision of this License, the Prevailing Party shall be entitled to an award of its attorneys' fees and expenses. The phrase "Prevailing Party" shall include a Party who receives substantially the relief desired whether by dismissal, summary judgment, judgment or otherwise.

17. The Parties acknowledge that each Party and its counsel have reviewed and approved this License, and the Parties hereby agree that the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting Party shall not be employed in the interpretation of this License or any amendments or exhibits hereto.

18. This License may be executed in counterparts, each of which shall constitute an original. This License shall only be effective if both Licensor and Licensee execute and deliver a counterpart.

19. No waiver by any Party of the performance or satisfaction of any covenant or condition shall be valid unless in writing and shall not be considered to be a waiver by such party of any other covenant or condition hereunder.

20. The foregoing constitutes the entire agreement between the parties and may be modified only by a writing signed by both parties.

21. Insurance: Licensee must provide an Insurance naming the County of Santa Clara, the Parks & Recreation Department, elected officials, its officers and employees, Global Sports Twin Creeks and Twin Creeks Sunnyvale, Inc. as Additional Insured. Certificate holder must have as additional insured– A) Twin Creeks Sunnyvale Inc., 969 Caribbean Drive, Sunnyvale, Ca., 94089) and County of Santa Clara, 298 Garden Hill Drive, Los Gatos, Ca., 95032.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first above written by their respective authorized representative.

Twin Creeks — Date: 8/27/18

Cepheid — Date: 8/17/18 — Frederick T. Ahern, Jr.

CAS Architects, Inc
1987 Leghorn St, Ste 101
Mountain View, CA 94043
TEL 650.967.6600
www.casarch.com
JOSE COTTO, AIA

CONSULTANT LOGO/ LICENSE STAMP

PROJECT/ CLIENT

Cepheid

BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVIEW	06.06.2018
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

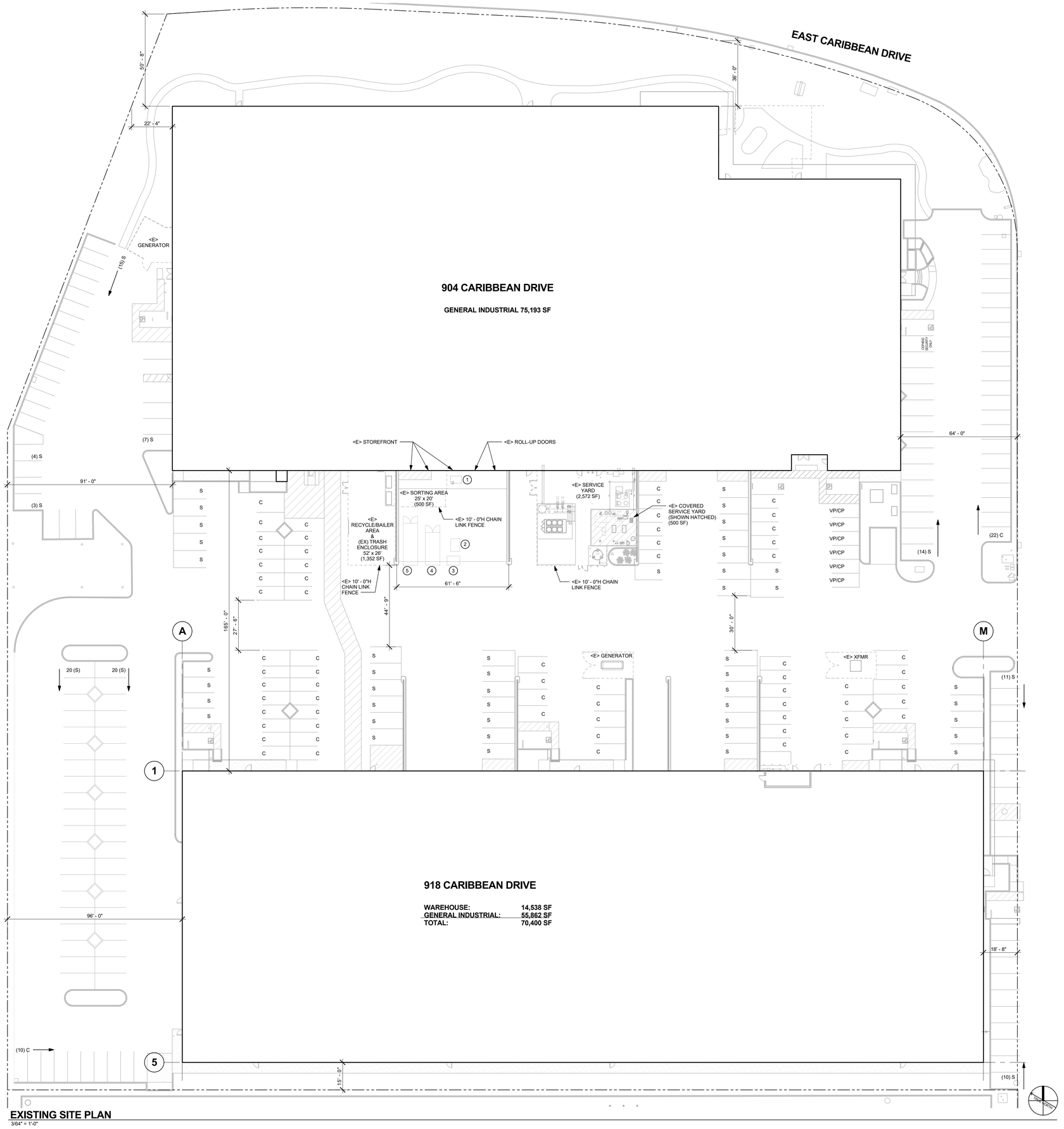
SHEET TITLE

TITLE SHEET

SHEET

T0.1

CLIENT PROJECT ID: N/A CAS JOB NO: 2017 097



EXISTING SITE PLAN
3/64" = 1'-0"

PRINT DATE: 10/30/2018 07:26 PM

<E> RECYCLE BIN CAPACITIES

1. METAL BIN - 4 CU YARDS
2. TRASH BIN (TRASH FROM BREAK ROOMS) - 4 CU YARDS
3. COMPOST BIN - 4 CU YARDS
4. TRASH BIN (TRASH/MIXED PLASTICS FROM LABS & GOWN ROOMS) - 30 CU YARDS
5. WOOD BIN - 40 CU YARDS

PARKING DATA

SITE PARKING CALCULATION

BUILDING	USE	AREA	PARKING SPACE REQUIREMENTS	PARKING SPACES
(904 CARIBBEAN)	GENERAL INDUSTRIAL	75,193	500	150
(918 CARIBBEAN)	WAREHOUSE	14,538	1000	15
	GENERAL INDUSTRIAL	55,862	500	112
	TOATAL			**277**

REQUIRED PARKING (TOTAL SITE 904 CARIBBEAN & 918 CARIBBEAN)

STANDARD/COMPACT *	270
TOTAL REQUIRED ACCESSIBLE SPACES	5
TOTAL REQUIRED ACCESSIBLE VAN SPACES	2
TOTAL REQUIRED PARKING	**277**

* MAX OF 50% OF COMPACT SPACES ALLOWED. (50% OF REQUIRED SPACES)

EXISTING PARKING (TOTAL SITE 904 CARIBBEAN & 918 CARIBBEAN)

<E> STANDARD SPACES	131
<E> COMPACT SPACES (INCLUDING CARPOOL / VANPOOL)	120
<E> ACCESSIBLE SPACES	6
<E> ACCESSIBLE VAN SPACES	2
TOTAL EXISTING PARKING	****259**
TOTAL PARKING STALL SHORTAGE	< -18 >

**** MAXIMUM PARKING ALLOWED ON SITE PER MPP PERMIT #2013_7365, 06.06.13. = 282**

SITE INFORMATION / FAR CALCULATION

ACCESSORS PARCEL NO:	110-37-01
SITE AREA (LOT SIZE):	7,367 ACRES - 320,906 SF
904 CARIBBEAN DRIVE:	75,193 SF
<E> COVERED SERVICE YARD:	* 500 SF
TOTAL	75,693 SF
918 CARIBBEAN DRIVE:	70,400 SF
EXISTING FAR:	
75,693 SF + 70,400 SF =	146,093 SF
146,093 SF / 320,906 SF =	0.455

*NOTE: <E> COVERED SERVICE YARD WAS PERMITTED UNDER PERMIT# 2011_1754 AND WAS REQUIRED AS PART OF THAT PERMIT TO BE INCLUDED IN THE FAR CALCULATION.

CAS Architects, Inc
1987 Leghorn St, Ste 101
Mountain View, CA 94043
TEL 650.967.6600
www.casarch.com
JOSE COTTO, AIA

CONSULTANT LOGO/ LICENSE STAMP

PROJECT/ CLIENT

Cepheid

BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVIEW	06.06.2018
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

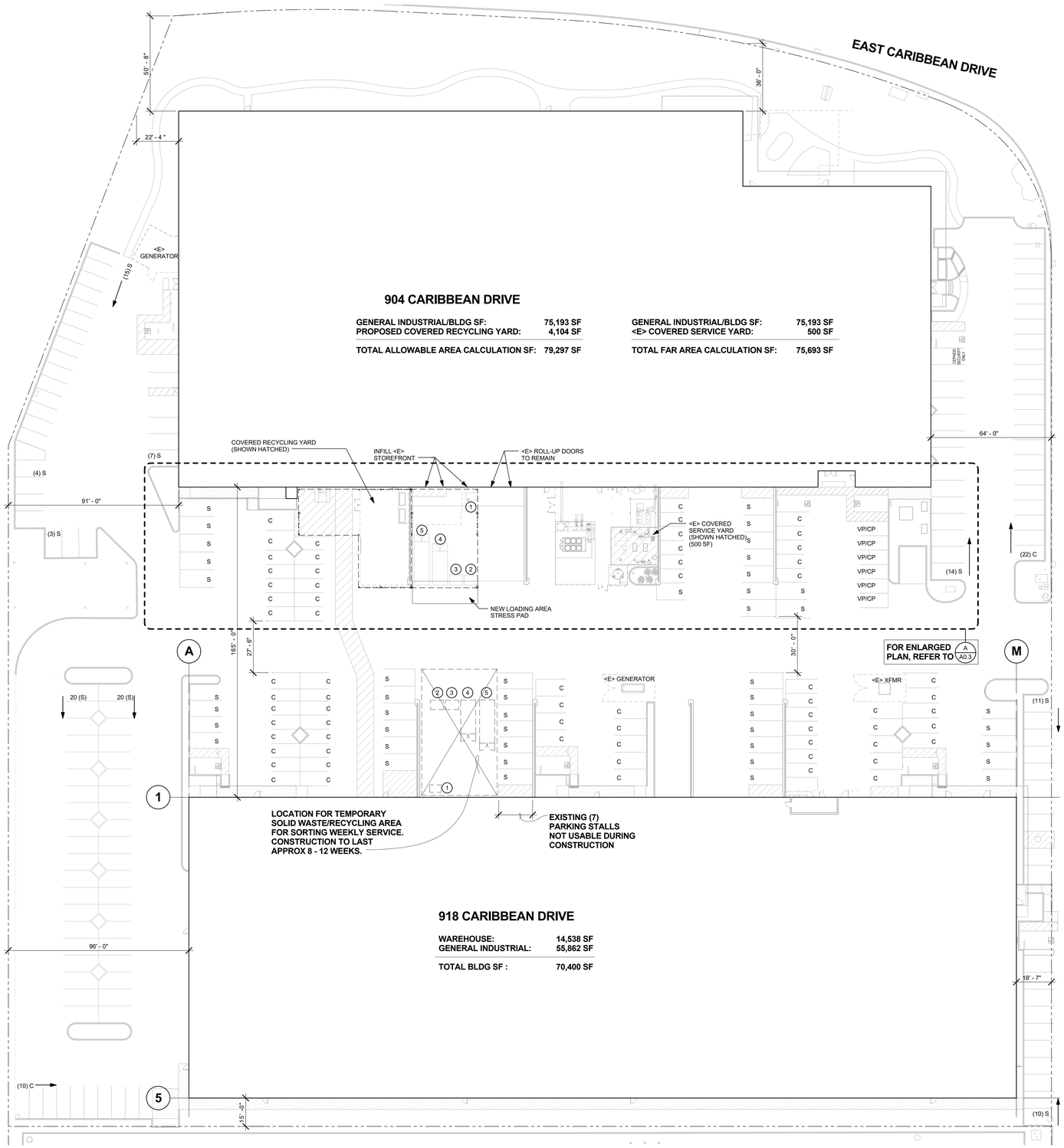
SHEET TITLE

EXISTING SITE PLAN

SHEET

A0.1

CLIENT PROJECT ID: N/A CAS JOB NO: 2017_097



PROPOSED SITE PLAN
1" = 25'-0"

ALLOWABLE AREA CALCULATIONS @ 904 CARIBBEAN DRIVE

CONSTRUCTION TYPE: IIIB — FIRE SPRINKLERS: YES

FRONTAGE INCREASE CALCULATION

2016 CBC EQUATION 5-5: If = [F/P - 0.25] W/30

F	PERIM FRONTING PUBLIC WAY	1309
P	BUILDING TOTAL PEREMETER	1309
W	WEIGHTED AVERAGE	30.00
		[1.00<=]1.00
FRONTAGE INCREASE		0.75

WEIGHTED AVERAGE CALULATION

2016 CBC EQUATION 5-4: (L1 x W1 + Ln x Wn ...)/F

PER 2106 CBC 506.3.2: Wn = 30 MAX

Ln	Wn	Ln x Wn	
300	30	9,000	
200	30	6,000	
63	30	1,898	
26	30	780	
34	30	1,020	
28	30	840	
66	30	1,980	
28	30	840	
22	30	660	
26	30	780	
216	30	6,471	
160	30	4,800	
100	30	3,000	
40	30	1,200	
1,309		39,269	TOTALS
		39,269 / 1,309	
WEIGHTED AVERAGE		30.00	

TOTAL BUILDING CALCULATION

BUILDING TOTAL 79,297 SF

2016 CBC EQUATION 5-1: Aa = At + (NS x fl)

	OCCUPANCY	A-3	B	F-1			
At	TABULAR AREA	38,000	76,000	48,000			2016 CBC TABLE 506.2: S1
NS	NON-SPRINKLERED AREA	9,500	19,000	12,000			2016 CBC TABLE 506.2
If	FRONTAGE INCREASE	0.75	0.75	0.75			2016 CBC EQUATION 5-5: (SEE CALCULATION ABOVE)
		38000+(7125)	76000+(14250)	48000+(9000)			
	TOTAL ALLOWABLE AREA	45,125	90,250	57,000			
TOTAL BUILDING AREA PER OCCUPANCY		1,328	64,064	13,905			
ALLOWABLE AREA RATIO		0.03	0.71	0.24			= 0.9832 < 1 ✓ ok

B1 Cepheid - 904 Caribbean Drive

<E> RECYCLE BIN CAPACITIES

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<E> ACCESSIBLE SPACES	6
<E> ACCESSIBLE VAN SPACES	2
TOTAL PARKING	259
CONTRACTED OFF-SITE PARKING	50
TOTAL PROPOSED PARKING	**309**

NOTE: TO MITIGATE THE PARKING SHORTAGE OF (18) STALLS DUE TO ON - SITE RECYCLING REQUIREMENTS, CEPHEID WILL ENTER INTO A FORMAL AGREEMENT WITH TWIN CREEKS (ACROSS THE STREET FROM 904 CARIBBEAN) TO LEASE 25 PARKING STALLS AS THE CURRENT SITE PARKING CANNOT BE RECONFIGURED TO ACCOMMODATE (18) ADDITIONAL PARKING STALLS.

NO CHANGES ARE BEING PROPOSED TO EXISTING PARKING SPACES AND NO NEW COMPACT SPACES ARE BEING PROPOSED.

**** MAXIMUM PARKING ALLOWED ON SITE PER MPP PERMIT #2013_7365, 06.06.13. = 282**

SITE INFORMATION / FAR CALCULATION

ACCESSORS PARCEL NO:	110-37-01
SITE AREA (LOT SIZE):	7.367 ACRES - 320,906 SF
904 CARIBBEAN DRIVE:	75,193 SF
<E> COVERED SERVICE YARD:	* 500 SF
TOTAL	75,693 SF
918 CARIBBEAN DRIVE:	70,400 SF
EXISTING FAR:	
75,693 SF + 70,400 SF =	146,093 SF
146,093 SF / 320,906 SF =	0.455

*NOTE: <E> COVERED SERVICE YARD WAS PERMITTED UNDER PERMIT# 2011_1754 AND WAS REQUIRED AS PART OF THAT PERMIT TO BE INCLUDED IN THE FAR CALCULATION.

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CONSULTANT LOGO/ LICENSE STAMP

PROJECT/ CLIENT

Cepheid

BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

DRAWING CONVENTIONS

<E> CONSTRUCTION TO REMAIN (SCREENED LINEWORK)
NEW CONSTRUCTION (SOLID LINEWORK)

LEGEND

PROPERTY LINE
DETAIL NUMBER
SHEET WHERE OCCURS (A9.1 TYP)

REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVIEW	06.06.2018
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

SHEET TITLE

PROPOSED SITE PLAN

SHEET

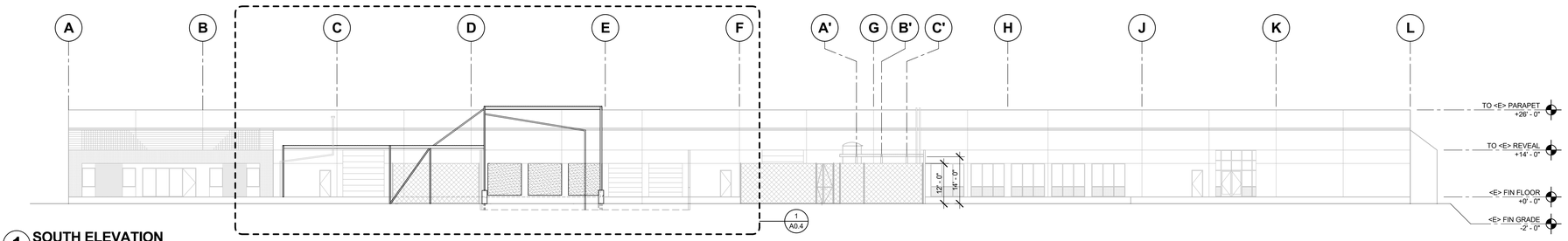
A0.2

CLIENT PROJECT ID: N/A CAS JOB NO: 2017_097

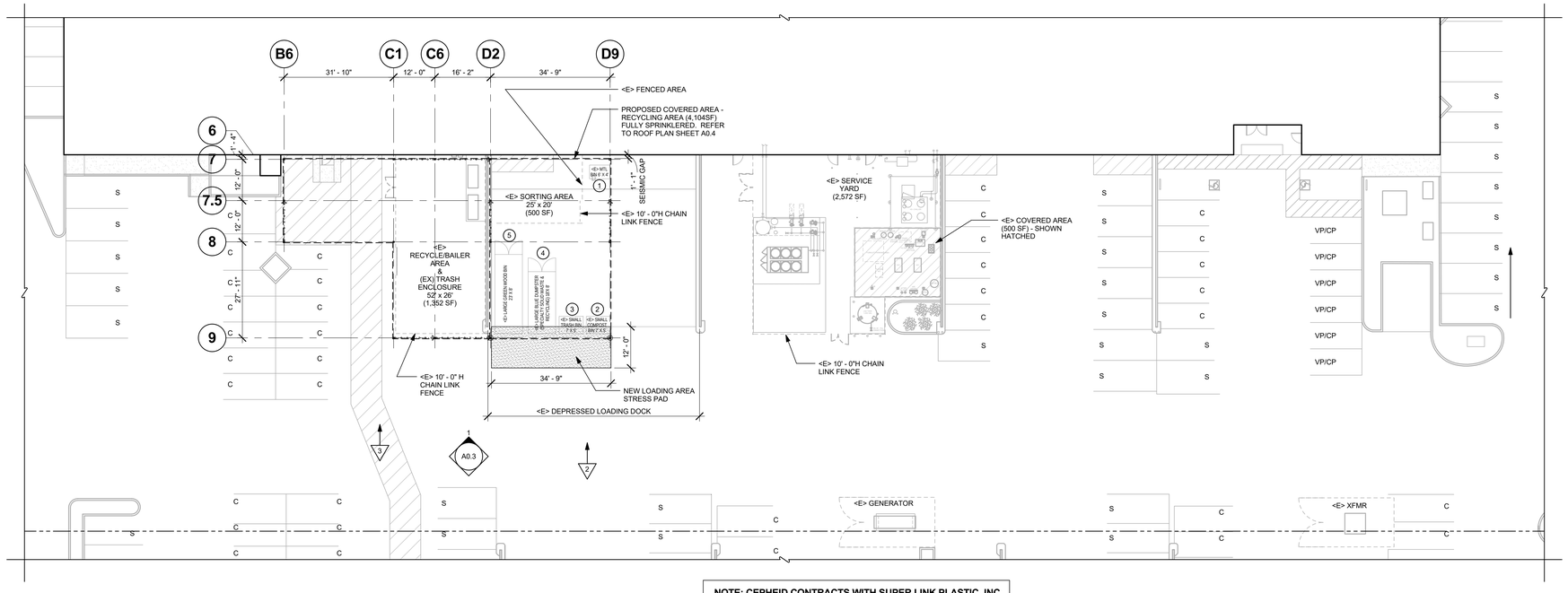
PRINT DATE: 10/29/2018 5:07:29 PM

3 PHOTO - NORTH @ RECYCLE/BAILER AREA
12" = 1'-0"

2 PHOTO - NORTH @ LOADING DOCK
12" = 1'-0"



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



NOTE: CEPHEID CONTRACTS WITH SUPER LINK PLASTIC, INC (OAKLAND, CA) TO HAUL PLASTICS AND CARDBOARD FROM THE PREMISES (REFERRED BY MARY LINDEMUTH, CITY OF SUNNYVALE ZERO WASTE COORDINATOR)

A ENLARGED SITE PLAN
1/16" = 1'-0"

PRINT DATE: 10/30/2018 5:07:37 PM

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BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

DRAWING CONVENTIONS

<E> CONSTRUCTION TO REMAIN (SCREENED LINEWORK)
NEW CONSTRUCTION (SOLID LINEWORK)

LEGEND

VIEW DIRECTION
EXTERIOR ELEVATION NUMBER
SHEET WHERE OCCURS
PHOTO REFERENCE

<E> RECYCLE BIN CAPACITIES:

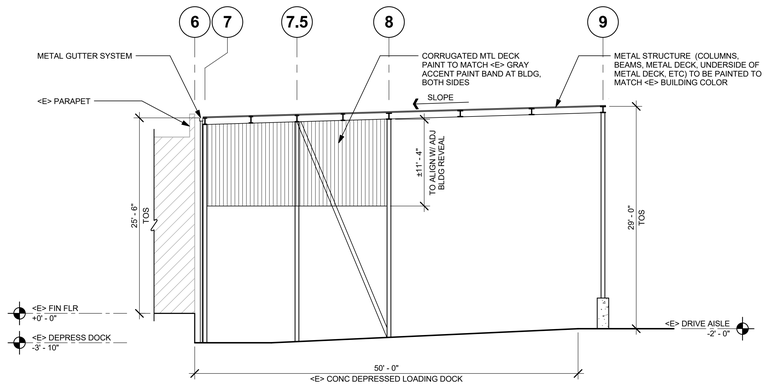
1. METAL BIN. 4 CU YARDS
2. TRASH BIN (TRASH FROM BREAK ROOMS). 4 CU YARDS
3. COMPOST BIN. 4 CU YARDS
4. TRASH BIN (TRASH/MIXED PLASTICS FROM LABS & GOWN ROOMS). 30 CU YARDS
5. WOOD BIN. 40 CU YARDS

REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVIEW	06.06.2018
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

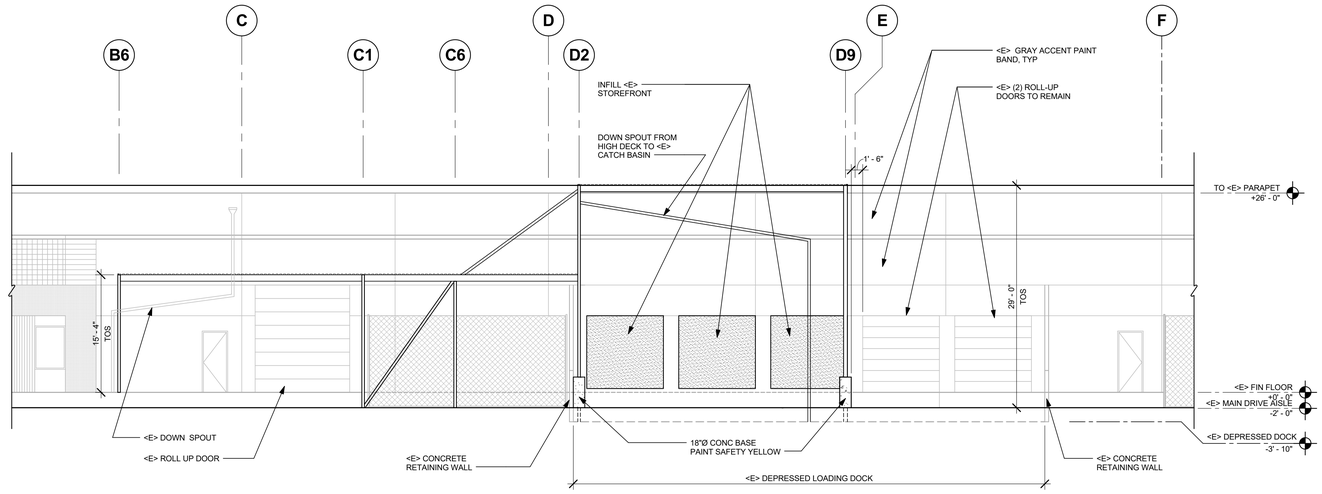
SHEET TITLE
ENLARGED PLAN, ELEVATION, AND PHOTOS

SHEET
A0.3

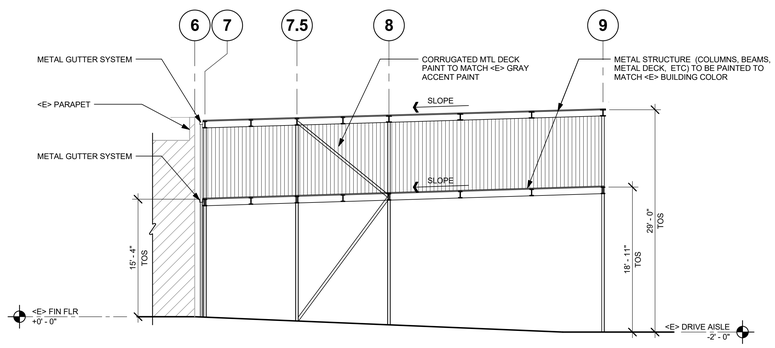
CLIENT PROJECT ID: N/A CAS JOB NO: 2017_097



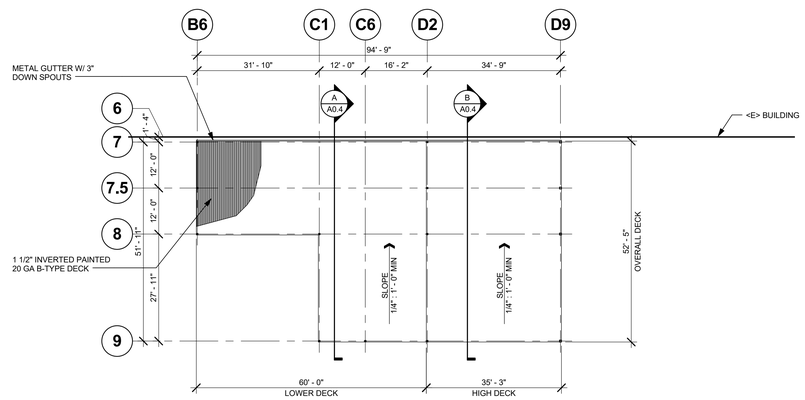
B SECTION @ RECYCLING AREA
1/8" = 1'-0"



1 PARTIAL ENLARGED ELEVATION
1/8" = 1'-0"



A SECTION @ RECYCLING AREA
1/8" = 1'-0"



RECYCLING AREA ROOF PLAN
1/16" = 1'-0"

0 4 8 16 32

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PROJECT/ CLIENT

Cepheid

BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

DRAWING CONVENTIONS

<E> CONSTRUCTION TO REMAIN (SCREENED LINEWORK)
NEW CONSTRUCTION (SOLID LINEWORK)

LEGEND

VIEW DIRECTION
SECTION NUMBER
SHEET WHERE OCCURS

REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVIEW	06.06.2018
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

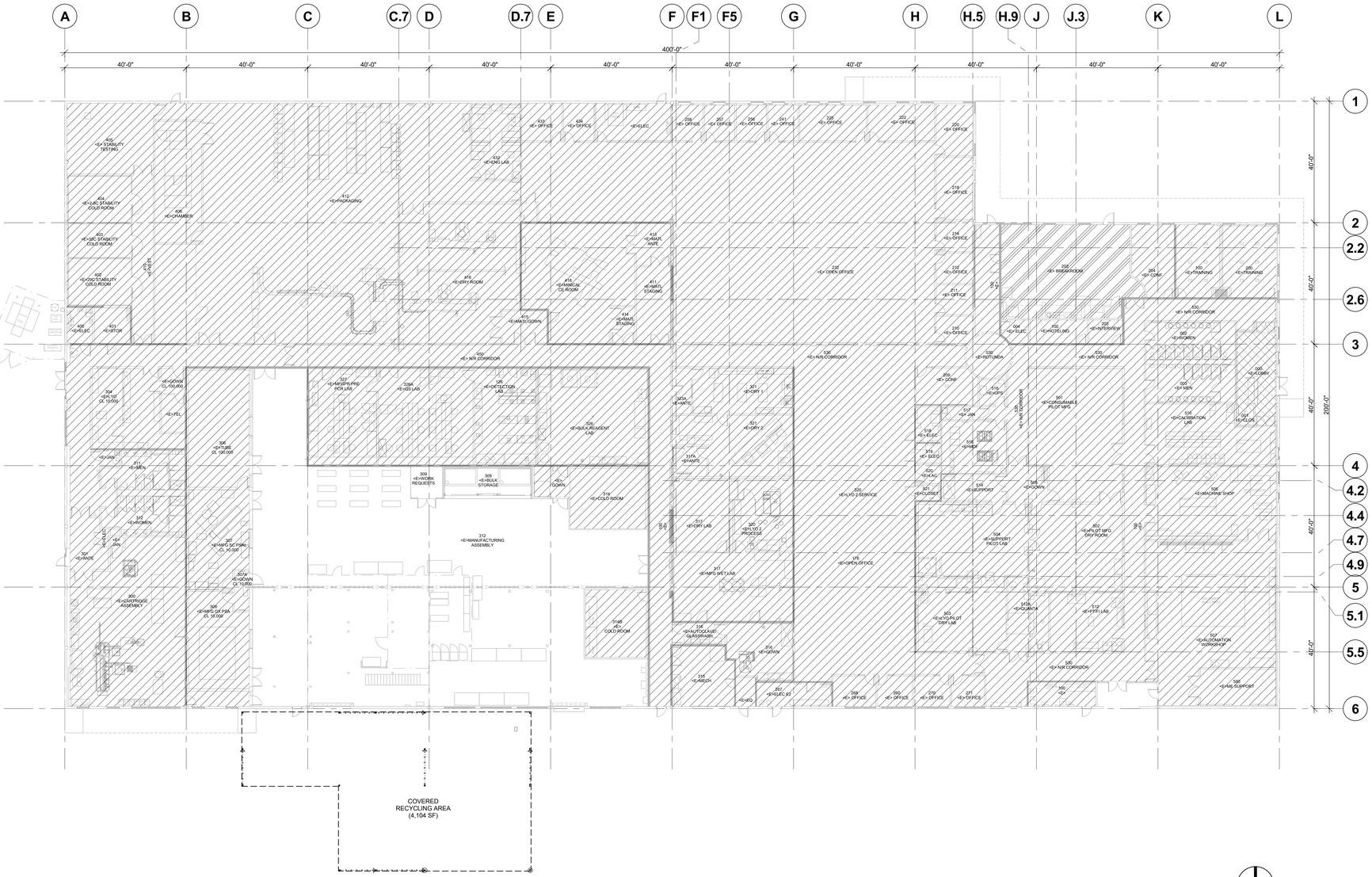
SHEET TITLE

ROOF PLAN AND SECTION

SHEET

A0.4

CLIENT PROJECT ID: N/A CAS JOB NO: 2017_007



EXISTING FLOOR PLAN- 904 CARIBBEAN

1/16" = 1'-0"

0 4 8 16 32

BUILDING USE DESCRIPTION

CEPHEID INC. IS AN AMERICAN MOLECULAR DIAGNOSTICS COMPANY THAT DEVELOPS, MANUFACTURES AND MARKETS FULLY INTEGRATED SYSTEMS FOR TESTING IN THE CLINICAL MARKET, AND FOR APPLICATION IN ITS ORIGINAL NON-CLINICAL MARKET.

904 CARIBBEAN DRIVE (B1)
THIS BUILDING IS COMPRISED OF OFFICE & OFFICE SUPPORT AREAS, R&D AREAS, TEST & RESEARCH LAB SPACES AND MANUFACTURING FUNCTIONS.

F-1 OCCUPANCY = MANUFACTURING ASSEMBLY USE

B OCCUPANCY = OFFICE, OFFICE SUPPORT, RESEARCH/TESTING LABS AND LAB SUPPORT SAPCE USES

A-3 OCCUPANCY = BREAK ROOM USE (OVER 50 OCCUPANTS)

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PROJECT/ CLIENT

Cepheid

BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

DRAWING CONVENTIONS

- <E> CONSTRUCTION TO REMAIN (SCREENED LINEWORK)
- NEW CONSTRUCTION (SOLID LINEWORK)
- FULL HEIGHT, NON-RATED WALL
- FULL HEIGHT, 1HR RATED WALL

LEGEND

- ONE-HOUR FIRE-RATED CONSTRUCTION
- F-1 OCCUPANCY (9,801 SF + 4,104 SF = 13,905 SF)
- B OCCUPANCY (64,064 SF)
- A-3 OCCUPANCY (1,328 SF)

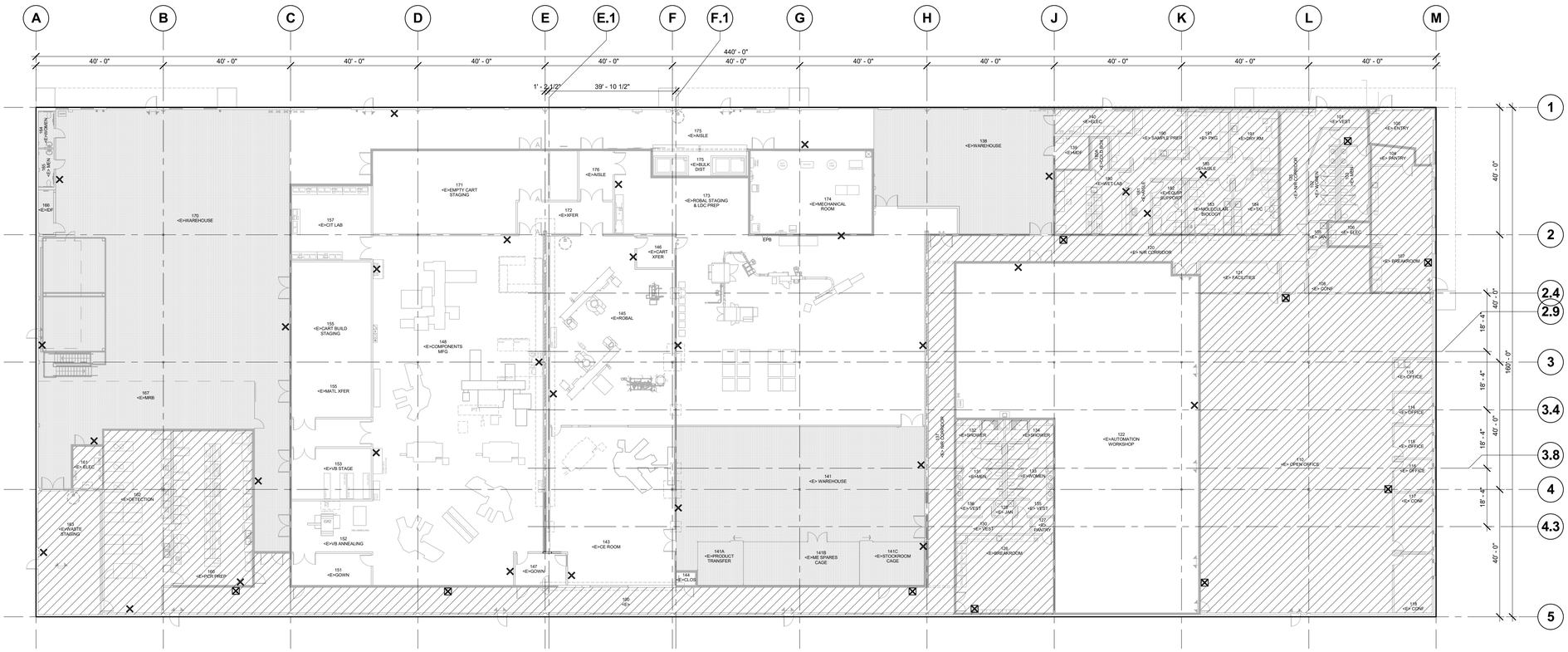
REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

SHEET TITLE
REFERENCE EXISTING PLAN @ 904 CARIBBEAN DRIVE

SHEET
RA2.1

CLIENT PROJECT ID: N/A CAS JOB NO: 2017 097

PRINT DATE: 10/30/2018 5:07:53 PM



EXISTING FLOOR PLAN- 918 CARIBBEAN

1/16" = 1'-0"

0 4 8 16 32

BUILDING USE DESCRIPTION

CEPHEID INC. IS AN AMERICAN MOLECULAR DIAGNOSTICS COMPANY THAT DEVELOPS, MANUFACTURES AND MARKETS FULLY INTEGRATED SYSTEMS FOR TESTING IN THE CLINICAL MARKET, AND FOR APPLICATION IN ITS ORIGINAL NON-CLINICAL MARKET.

<u>918 CARIBBEAN DRIVE (B6)</u>
THIS BUILDING IS COMPRISED OF MANUFACTURING & MANUFACTURING SUPPORT ROOMS, OFFICE & OFFICE SUPPORT SPACES AND WAREHOUSE FUNCTIONS.

F-1 OCCUPANCY = MANUFACTURING AND MANUFACTURING SUPPORT USES

B OCCUPANCY = OFFICE, OFFICE SUPPORT AND TESTING LABS

S-1 OCCUPANCY = WAREHOUSE AND STORAGE USES

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PROJECT/ CLIENT

Cepheid

BUILDING 1 COVERED RECYCLING AREA

904/918 CARIBBEAN DR
SUNNYVALE, CA 94089

DRAWING CONVENTIONS

- <E> CONSTRUCTION TO REMAIN (SCREENED LINEWORK)
- NEW CONSTRUCTION (SOLID LINEWORK)
- FULL HEIGHT, NON-RATED WALL
- FULL HEIGHT, 1HR RATED WALL

LEGEND

- ONE-HOUR FIRE-RATED CONSTRUCTION
- F-1 OCCUPANCY
- B OCCUPANCY
- S-1 OCCUPANCY

REV	DESCRIPTION	DATE
	MINOR USE PERMIT REVISION	09.28.2018
	MINOR USE PERMIT REVISION 2	10.31.2018

SHEET TITLE
REFERENCE EXISTING PLAN @ 918 CARIBBEAN DRIVE

SHEET
RA2.2

CLIENT PROJECT ID: N/A CAS JOB NO: 2017_097

PRINT DATE: 10/30/2018 5:08:07 PM

ELECTRICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AMPS	AMPERES
A/C	AIR CONDITIONER
AF	AMPERE FRAME / FUSE
AFF	ABOVE FINISH FLOOR
AIC	AMPERE INTERRRUPTION CURRENT
AL	ALUMINUM CONDUCTOR OR BUS
AM	AMMETER
ARCH	ARCHITECT / ARCHITECTURAL
AS	AMMETER SWITCH
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
@	AT
BC	BARE COPPER
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	CONDUIT ONLY
CTR	CENTER
CU	COPPER
DET	DETAIL
DIA	DIAMETER
DIST	DISTRIBUTION
DN	DOWN
DP	DISTRIBUTION PANEL
DWG	DRAWING
(E), <E>	EXISTING
EMERG	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE / ENCLOSED
EPO	EMERGENCY POWER OFF
EQ	EQUAL
EQUIP	EQUIPMENT
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FVNR	FULL VOLTAGE NON-REVERSING
(F), FUT	FUTURE
GALV	GALVANIZED
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HVDB	HIGH VOLTAGE DISTRIBUTION BOARD
HZ	HERTZ
IG	ISOLATED GROUND CONDUCTOR OR BUS
IBO	INSTALLED BY OTHERS
JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOURS
LCP	LIGHTING CONTROL PANEL
LPS	LOW PRESSURE SODIUM
LTG	LIGHTING
LV	LOW-VOLTAGE
LVDB	LOW-VOLTAGE DISTRIBUTION BOARD
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MFG	MANUFACTURING
MECH	MECHANICAL
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
MTG HT	MOUNTING HEIGHT
MSB	MAIN SWITCHBOARD
MSG	MAIN SWITCHGEAR
(N), <N>	NEW
N	NEUTRAL
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN, NUMBER
NTS	NOT TO SCALE
NL	NIGHT-LIGHT
OC	ON CENTER
P	POLE
PC	PHOTO-CELL
PH, Ø	PHASE
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE DUCT
PUE	PUBLIC UTILITY EASEMENT
(R), <R>	REMOVE / DEMOLITION - TO BE REMOVED
(RE), <RE>	NEW LOCATION OF RELOCATED DEVICE
(REL), <REL>	EXISTING TO BE RELOCATED
SEC	SECONDARY
SL	SECURITY LIGHT
SN	SOLID NEUTRAL
SPECS	SPECIFICATIONS
STD	STANDARD
ST	SHUNT TRIP
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TC	TIME CLOCK
TCP	TEMPERATURE CONTROL PANEL
TEL	TELEPHONE
TYP	TYPICAL
TX	TRANSFORMER
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERE
VC	VOLUME CONTROL
VFD	VARIABLE FREQUENCY DRIVE BY HVAC
VM	VOLTOMETER
VS	VOLTOMETER SWITCH
W	WATTS, WIRE
W/	WITH
WL	WALL MOUNTED
WM	WIREMOLD
WP	EQUIPMENT OF WEATHERPROOF CONSTRUCTION OR DESIGN
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK TO COMPLY WITH 2015 INTERNATIONAL BUILDING CODE, 2016 CALIFORNIA BUILDING CODE (CCR TITLE 24, PART 2).
2. ALL ELECTRICAL WORK TO COMPLY WITH 2014 NATIONAL ELECTRICAL CODE AS AMENDED BY THE 2016 CALIFORNIA ELECTRICAL CODE (CCR TITLE 24, PART 2).
3. ALL ELECTRICAL WORK TO COMPLY WITH 2016 CALIFORNIA ENERGY CODE (CCR TITLE 24, PART 6).
4. ALL ELECTRICAL WORK TO COMPLY WITH 2016 CALIFORNIA FIRE CODE (CCR TITLE 24, PART 9).
5. ALL ELECTRICAL WORK TO COMPLY WITH 2014 NEC & 2016 CEC ARTICLE 500 FOR HAZARDOUS LOCATIONS.
6. ALL ALARM SYSTEMS WILL REQUIRE A SEPARATE PERMIT AND PLAN REVIEW FROM FIRE DEPARTMENT.
7. RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEMS RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM PER CBC 1136A.1.
8. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM PER CBC 1136A.2.
9. ALL CEILING MOUNTED ELECTRICAL DEVICES AND/OR EQUIPMENT SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, NOT FROM THE CEILING TILES, PROVIDE SUPPORTS AS REQUIRED.
10. OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE PIECE STEEL AND INSTALLED IN SEPARATED (STAGGERED) STUD PENETRATIONS. FIRE WALL PENETRATIONS SHALL BE MADE IN ACCORDANCE WITH THE LATEST BUILDING AND ELECTRICAL CODES.
11. ALL WIRING SHALL BE IN APPROVED RACEWAYS. ALL CONDUCTORS SHALL BE STRANDED COPPER WITH THHN/THWN INSULATION.
12. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH ARTICLE 645 OF ELECTRICAL CODE, WIRING, DISCONNECTING MEANS, PENETRATION OF FIRE RESISTIVE BOUNDARY.
13. TRANSFORMERS EQUAL TO OR GREATER THAN 15KVA SHALL BE DOE 2016 COMPLIANT PER THE 2016 CALIFORNIA ENERGY CODE SECTION 1605.1.
14. WHERE MORE THAN ONE NOMINAL VOLTAGE SYSTEM EXISTS IN A BUILDING, EACH UNGROUNDED SYSTEM CONDUCTOR SHALL BE IDENTIFIED BY PHASE AND SYSTEM THE MEANS OF INDENTIFICATION SHALL BE PERMANANTLY POSTED AT EACH BRANCH CIRCUIT PANELBOARD PER 2016 CEC & 2014 NEC ART. 210.5(C) & 215.12. THE PHASE COLOR CODING OF THE INSULATION OF CONDUCTORS SHALL BE
    14.1. BROWN - PURPLE - YELLOW FOR 480/277 - VOLTS.
    14.2. BLACK - RED - BLUE FOR 208/120 - VOLTS.
15. WHERE GROUNDED CONDUCTORS OF DIFFERENT SYSTEMS ARE INSTALLED IN THE SAME RACEWAY, CABLE, BOX, AUXILIARY GUTTER, OR OTHER TYPE OF ENCLOSURE, EACH GROUNDED CONDUCTOR SHALL BE INDENTIFIED BY SYSTEM PER 2016 CEC & 2014 NEC ART. 200.6(D). THE COLOR CODING OF THE INSULATION OF CONDUCTORS SHALL BE:
    15.1. GRAY FOR 480/277 - VOLTS.
    15.2. WHITE FOR 208/120 - VOLTS.
16. RECESSED FIXTURES IN SUSPENDED CEILING SHALL BE SUPPORTED FROM ROOF STRUCTURES & SECURELY FASTENED TO EACH OTHER AND SHALL BE SECURELY ATTACHED TO THE BUILDING STRUCTURE AT APPROPRIATE INTERVALS. LUMINAIRES SHALL BE SECURELY FASTENED TO THE CEILING FRAMING MEMBER BY MECHANICAL MEANS SUCH AS BOLTS, SCREWS, OR RIVETS. (NEC & CEC ARTICLE 410.36(B)).
17. CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
18. A COPY OF THE LIGHTING INSTALLATION CERTIFICATION FORMS NRCI-LTI-01-E, NRCI-LTI-02-E, NRCI-LTI-03E, NRCI-LTI-04E, NRCI-LTI-05E, NRCI-LTI-06E, AS LISTED ON NRCC-LTI-01-E PAGE 2, SHALL BE COMPLETED AND SUBMITTED TO THE ELECTRICAL DEPT. PRIOR TO BUILDING FINAL APPROVAL, PER TITLE 24 130.4(b).
19. A COPY OF THE LIGHTING ACCEPTANCE CERTIFICATION FORMS NRCA-LTI-02-A, NRCA-LTI-03-A, NRCA-LTI-04A AS LISTED ON NRCC-LTI-01-E PAGE 3, SHALL BE COMPLETED AND SUBMITTED TO THE ELECTRICAL DEPT. PRIOR TO BUILDING FINAL APPROVAL, PER TITLE 24 130.4(a).
20. PROVIDE DISCONNECTING MEANS IN INDOOR LOCATIONS, OTHER THAN DWELLINGS AND ASSOCIATED ACCESSORY STRUCTURES, FLUORESCENT LUMINAIRES (FIXTURES) THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE OR BALLASTED LUMINAIRES THAT ARE SUPPLIED FROM MULTIWIRE BRANCH CIRCUITS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OR EXTERNAL TO EACH LUMINAIRE (FIXTURE), TO DISCONNECT SIMULTANEOUSLY FROM THE SOURCE OF SUPPLY ALL CONDUCTORS OF THE BALLAST, INCLUDING THE GROUNDED CONDUCTOR IF ANY. THE LINE SIDE TERMINALS OF THE DISCONNECTING MEANS SHALL BE GUARDED. THE DISCONNECTING MEANS SHALL LOCATED SO AS TO BE ACCESSIBLE TO QUALIFIED PERSONS BEFORE SERVICING OR MAINTAINING THE BALLAST PER 2016 CEC SECTION 410.130(G).
21. ALL EMERGENCY LIGHTING FIXTURES ILLUMINATION LEVELS SHALL BE IN ACCORDANCE WITH 2016 CBC ART. 1006.3.
22. ALL ELECTRICAL PANELS AND SERVICE EQUIPMENT TO BE ANCHORED PER NEC & CEC ARTICLE 110.13 AND HAVE ACCESS AS PER NEC & CEC 110.26.
23. ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL HAVE A UL DESIGN LISTING/NUMBER. ANY EQUIPMENT NOT LISTED WILL BE REQUIRED TO BE FIELD TESTED AND CERTIFIED BY AN APPROVED TESTING AGENCY OR THIRD PARTY. IT IS THE RESPONSIBILITY OF THE OWNER AND HIS DESIGN/ CONSTRUCTION TEAM TO NOTIFY THE BUILDING DEPARTMENT IF FIELD TESTING IS REQUIRED FOR ANY EQUIPMENT WITHOUT A UL OR EQUIVALENT LISTED LABEL APPROVED BY THE BUILDING DEPARTMENT. PROOF OF EQUIPMENT CERTIFICATION WILL NEED TO BE SUBMITTED AND APPROVED BEFORE A CERTIFICATE OF OCCUPANCY CAN BE ISSUED.
24. NO MORE THAN 25 FEET OF SECONDARY CONDUCTOR TRANSFORMER SECONDARY CONDUCTORS SHALL BE LOCATED ON THE SECONDARY SIDE OF THE TRANSFORMER BEFORE TERMINATING ON THE AN OVERCURRENT DEVICE.
25. ALL SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED WARNING QUALIFIED PERSONAL OF THE POTENTIAL ARC FLASH HAZARDS AND THE APPROPRIATE PPE REQUIRED PER NEC ART. 110.16 AND NFPA-70E-2015.
26. ALL GROUNDING SHALL BE IN ACCORDANCE PER NEC & CEC ARTICLE 250.
    26.1. A GROUNDING ELECTRODE SHALL BE BONDED TO THE GROUNDING ELECTRODE CONDUCTOR, THE GROUNDED SERVICE ENTRANCE CONDUCTOR, THE GROUNDED SERVICE RACEWAYS, OR ANY GROUNDED SERVICE ENCLOSURE. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE INSTALLED UNSPLICED BETWEEN THE SERVICE DISCONNECT ENCLOSURE AND THE ELECTRODE, THE INTERIOR METAL WATER PIPING LOCATED NOT MORE THAN 5 FEET FROM THE POINT OF ENTRANCE TO THE BUILDING SHALL BE BONDED TO THE GROUNDING ELECTRODE AND THE GROUNDING ELECTRODE CONDUCTOR.
    26.2. EXPOSED INTERIOR STRUCTURAL STEEL THAT IS INTERCONNECTED TO FORM STEEL BUILDING FRAME SHALL BE BONDED TO THE SERVICE EQUIPMENT ENCLOSURE, THE GROUNDED CONDUCTOR AT THE SERVICE, THE GROUNDING ELECTRODE CONDUCTOR WHERE OF SUFFICIENT SIZE, OR TO THE ONE OR MORE GROUNDING ELECTRODES USED. THE BONDING JUMPER SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-66 OF THE 2014 NATIONAL ELECTRICAL CODE & 2016 CEC. THE POINT OF ATTACHMENT OF THE BONDING JUMPER SHALL BE ACCESSIBLE.
    26.3. WHERE THERE IS SEPARATELY DERIVED SYSTEM USING A GROUNDING ELECTRODE, THE NEAREST AVAILABLE POINT ON THE INTERIOR METAL WATER PIPING SYSTEM IN THE SEPARATELY DERIVED SYSTEM SHALL BE BONDED TO THE GROUNDED CONDUCTOR OF THE SEPARATELY DERIVED SYSTEM.
26. ALL UPS (UNINTERRUPTED POWER SUPPLY) WITH STATIONARY BATTERY SYTEMS WITH MORE THAN 50 GALLONS OF ELECTROLYTE, SHALL BE IN ACCORDANCE WITH ARTICLE 608.1 & 608.7-608.9 OF THE 2016 CFC. PROVIDE SIGNAGE FOR UPS BATTERIES PER 2016 CFC SECTION 608.7.1.
27. PROVIDE SIGN FOR UPS BATTERIES PER 2016 CFC SECTION 608.7.1.
28. ALL SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED WARNING QUALIFIED PERSONAL OF THE POTENTIAL ARC FLASH HAZARDS AND THE APPROPRIATE PPE REQUIRED PER 2016 CEC ART 110.16 AND NFPA-70E-2015.
29. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO INSTALLATION OF CONDUITS AND CONNECT AS REQUIRED.
30. ALL ELECTRICAL DEVICES AND EQUIPMENT OF ROOF & OUTDOORS SHALL BE WEATHERPROOF WITH USE IN COVERS. A WP-GFCI WEATHER-PROOF PROTECTED RECEPTACLE SHALL BE INSTALLED WITHIN 25'-0" OF ALL NEW HVAC AND VENTILATING EQUIPMENT ON THE ROOF.
31. ALL DISCONNECT SWITCHES FOR PACKAGED MECHANICAL EQUIPMENT SHALL BE WITH DUAL ELEMENT FUSES AND SHALL BE SIZED BY UNIT LABEL, AND SHALL BE WITHIN SIGHT OF EQUIPMENT OR AS APPROVED BY BUILDING INSPECTOR.
32. ALL NON-THERMALLY PROTECTED MOTORS TO HAVE THERMAL OVERLOAD PROTECTION.
33. ALL DISCONNECTS FOR MOTORS TO BE LOCATED WITHIN SIGHT OF THE APPROPRIATE MOTOR AND SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION. THE OPEN POSITION SHALL BE CLEARLY INDICATED. ALL MOTOR DISCONNECTS SHALL BE READILY ACCESSIBLE PER NEC & CEC ARTICLE 430.102, 430.104 & 430.107.
34. ALL MOTOR STARTERS TO HAVE APPROPRIATE SIZE HEATER ELEMENTS INSTALLED AND ALL FUSES TO BE DUAL ELEMENT. OVERCURRENT TO BE TIME DELAY TYPE.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	WALL SCONCE LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	RECESSED DOWN-LIGHT FIXTURE
	RECESSED WALL-WASHER LIGHT FIXTURE
	2'x4' RECESSED LIGHT FIXTURE
	2'x2' RECESSED LIGHT FIXTURE
R	2'x4' RELOCATED RECESSED LIGHT FIXTURE
EM	2'x4' EMERGENCY RECESSED LIGHT FIXTURE W/ BATTERY BACKUP
	2'x4' TANDEM WIRED RECESSED LIGHT FIXTURE
	2'x4' RECESSED INDIRECT/DIRECT LIGHT FIXTURE
	2'x2' RECESSED INDIRECT/DIRECT LIGHT FIXTURE
EM	2'x4' EMERGENCY RECESSED INDIRECT/DIRECT LIGHT FIXTURE
	4' STRIP LIGHT FIXTURE
	8' STRIP LIGHT FIXTURE
	TRACK LIGHT FIXTURE
	4' WRAP-AROUND LIGHT FIXTURE
	4' HI-BAY LIGHT FIXTURE
	8' STRIP LIGHT FIXTURE W/ REFLECTOR
	1'x4' ACRYLIC LIGHT FIXTURE STRUT SURFACE MOUNT W/ (2)17W T8 LAMP & ELECTRONIC BALLAST
	WALL PACK LIGHT FIXTURE
	8' STRIP LIGHT FIXTURE W/ WIREGUARD
	PAGING SPEAKER - WALL MOUNT
S	PAGING SPEAKER - FLUSH CEILING MOUNT
PC	PHOTO-CELL
	EMERGENCY RED STROBE LIGHT FIXTURE
	BLDG. STD. EXIT SIGN - LED; LIGHT SHADE INDICATES ILLUMINATED FACE, INTEGRAL 90-MIN. BATTERY BACKUP
	CEILING MOUNTED OCCUPANCY / MOTION SENSOR
OSD	WALL MOUNTED OCCUPANCY / MOTION SENSOR, DIGITAL DIMMER SWITCH (SINGLE CIRCUIT)
D	WALL MOUNTED DIGITAL DIMMER SWITCH
WOS	WALL MOUNTED OCCUPANCY / MOTION SENSOR
	DUAL-HEAD EMERGENCY LED LIGHT FIXTURE, INTEGRAL 90-MIN. BATTERY BACKUP
	COMBINATION DUAL-HEAD EMERGENCY LED LIGHT FIXTURE & EXIT SIGN WITH INTEGRAL 90-MIN. BATTERY BACKUP
RC	CEILING SINGLE RELAY ROOM CONTROLLER, 0-10V DIMMING
S	SINGLE POLE LIGHT SWITCH
S3	3-WAY LIGHT SWITCH
S4	4-WAY LIGHT SWITCH
SD	SINGLE POLE DIMMER LIGHT SWITCH
SWP	SINGLE POLE SWITCH, WEATHERPROOF
SY	SENTRY LIGHT SWITCH
SLV	LOW-VOLTAGE LIGHT SWITCH
DLV	DIGITAL LOW VOLTAGE LIGHT SWITCH
OLO	CEILING MOUNTED OPEN LOOP DIGITAL PHOTOSENSOR, WATTSTOPPER LMLS-500
CLO	CEILING MOUNTED CLOSED LOOP DIGITAL PHOTOSENSOR, WATTSTOPPER LMLS-400
	CORNER MOUNT DIGITAL PIR / ULTRASONIC OCCUPANCY / MOTION SENSOR, WATTSTOPPER LMDX-100
	CEILING DIGITAL ULTRASONIC OCCUPANCY / MOTION SENSOR, WATTSTOPPER LMUC-100
	CEILING DIGITAL PIR OCCUPANCY / MOTION SENSOR, WATTSTOPPER LMPC-100
	CEILING DIGITAL DUAL TECHNOLOGY (PIR & ULTRASONIC) OCCUPANCY / MOTION SENSOR, WATTSTOPPER LMDC-100
1	WALL MOUNTED 1-BUTTON DIGITAL DIMMER SWITCH, WATTSTOPPER LMDM-101 (SINGLE-GANG)
4	WALL MOUNTED 4-BUTTON DIGITAL DIMMER SWITCH, WATTSTOPPER LMSW-104 (SINGLE GANG)
5	WALL MOUNTED 5-BUTTON DIGITAL DIMMER SWITCH, WATTSTOPPER LMSW-105 (SINGLE-GANG)
8	WALL MOUNTED 8-BUTTON DIGITAL DIMMER SWITCH, WATTSTOPPER LMSW-108 (SINGLE-GANG)
2	WALL MOUNTED 0-10V 2-BUTTON DIMMER SWITCH W/ OCCUPANCY SENSOR, WATTSTOPPER PW-311 (SINGLE-GANG)
2	WALL MOUNTED 1-BUTTON DIGITAL DIMMER SWITCH W/ OCCUPANCY SENSOR, WATTSTOPPER LMDW-102 (SINGLE-GANG)
1	WALL MOUNTED SINGLE RELAY LIGHT SWITCH W/ OCCUPANCY SENSOR, WATTSTOPPER PW-301
2	WALL MOUNTED DUAL RELAY LIGHT SWITCH W/ OCCUPANCY SENSOR, WATTSTOPPER PW-302
RC111 RC112	CEILING 1- OR 2-RELAY ROOM CONTROLLER, 0-10V DIMMING, 10A RATED, WATTSTOPPER LMRC-111 / LMRC-112
RC211 RC212 RC213	CEILING 1-,2-, OR 3-RELAY ROOM CONTROLLER, 0-10V DIMMING, 20A RATED, WATTSTOPPER LMRC-211 / LMRC-212 / LMRC-213
RC222 RC222	CEILING 1- OR 2-RELAY ROOM CONTROLLER, UNIVERSAL DIMMING, 20A RATED, WATTSTOPPER LMRC-221 / LMRC-222
LMBC	CEILING DLM DIGITAL NETWORK BRIDGE, LMBC-300
SM205 SM603	CEILING DLM SEGMENT MANAGER, LMSM-201/ LMSM-603
	CAT 5E CABLE (LIGHTING CONTROL)
	MSTP CABLE (LIGHTING CONTROL BACKBONE)
A	LIGHT FIXTURE ANNOTATION TAG

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
P	POWER POLE
J	FLOOR FLUSH MOUNTED JUNCTION BOX
J	CEILING FLUSH MOUNTED JUNCTION BOX
BF	BASE-FEED BOX
	DUPLEX RECEPTACLE 15A 120V +18" A.F.F.
	DUPLEX RECEPTACLE 20A 120V +18" A.F.F.
D	DEDICATED DUPLEX RECEPTACLE 20A 120V +18" A.F.F.
C	CONTROLLED DUPLEX RECEPTACLE 15A 120V (1 OUTLET CONTROLLED, 1 OUTLET UNCONTROLLED) +18" A.F.F.
C	CONTROLLED DUPLEX RECEPTACLE 20A 120V (1 OUTLET CONTROLLED, 1 OUTLET NON-CONTROLLED) +18" A.F.F.
G	DUPLEX RECEPTACLE WITH ISOLATED GROUND 20A 120V +18" A.F.F.
GFI	RECEPTACLE W/ GFCI - GROUND FAULT CIRCUITRY PROTECTION 20A 120V +18" A.F.F.
GFI WP	RECEPTACLE W/ WP - WEATHERPROOF IN-USE COVER AND GFCI - GROUND FAULT CIRCUITRY PROTECTION 20A 120V +18" A.F.F.
	DOUBLE DUPLEX RECEPTACLE (2) 20A 120V +18" A.F.F.
C	CONTROLLED DOUBLE DUPLEX RECEPTACLE (2) 20A 120V - (2-GANG, (1) CONTROLLED DUPLEX & (1) NON-CONTROLLED DUPLEX) +18" A.F.F.
	DOUBLE-DUPLEX CORD-DROP RECEPTACLE (2) 20A 120V
	DUPLEX CORD-DROP RECEPTACLE 20A 120V
2	2-CKT CORD-DROP RECEPTACLE
	L6-15, 15A 208V 1Ø RECEPTACLE + 18" A.F.F.
	L5-20, 20A 120V 1Ø RECEPTACLE + 18" A.F.F.
	L6-20, 20A 208V 1Ø RECEPTACLE +18" A.F.F.
	L14-20, 20A 120/208V 1Ø RECEPTACLE +18" A.F.F.
	L15-20, 20A 208V 3Ø RECEPTACLE +18"A.F.F.
	L21-20, 20A 120/208V 3Ø RECEPTACLE +18" A.F.F.
	L5-30, 30A 120V 1Ø RECEPTACLE +18" A.F.F.
	L6-30, 30A 208V 1Ø RECEPTACLE +18" A.F.F.
	L14-30, 30A 120/208V 1Ø RECEPTACLE +18" A.F.F.
	L15-30, 30A 208V 3Ø RECEPTACLE +18" A.F.F.
	L21-30, 30A 120/208V 3Ø RECEPTACLE +18" A.F.F.
SPX	SPECIAL RECEPTACLE +18" A.F.F.
#12 #12 #12	PHASE CONDUCTORS NEUTRAL CONDUCTORS CONTROLLED CIRCUIT CONDUIT WITH WIRES, CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES IF MORE THAN (2); "#8" INDICIATES WIRE SIZE IF OTHER THAN #12 AWG. GROUND WIRE NOT SHOWN, BUT SHALL BE INSTALLED AND SIZED PER 250.122.
PL101 PL201	SINGLE RELAY DIGITAL PLUG LOAD CONTROLLER, WATTSTOPPER LMPL-101 OR LMPL-201
RIB	SINGLE RELAY IN BOX (PLUG LOAD CONTROL), FUNCTIONAL DEVICES RIB2421B
	EPO BUTTON
	DISCONNECT, FUSED OR NON-FUSED
	COMBINATION MOTOR STARTER
	VFD - VARIABLE FREQUENCY DRIVE (STANDALONE OR WITH DISCONNECT)
	MOTOR RATED SWITCH, 2-POLE
WM4000, WM6000	WIREMOLD RACEWAY, 4000 OR 6000 & VERTICAL WIREMOLD RACEWAY
AV	MULTI-DEVICE ELECTRICAL & TELECOM FLUSH FLOOR BOX (STANDALONE OR WITH AV)
	MULTI-DEVICE ELECTRICAL & TELECOM FLUSH CEILING BOX
	TELECOM VOICE-TELEPHONE & DATA FLUSH FLOOR BOX
	TELECOM VOICE-TELEPHONE & DATA OUTLET + 18" A.F.F.
	TELECOM VOICE-TELEPHONE & DATA CEILING BOX
	TELECOM SECURITY CAMERA LOCATION
EQP W	EQUIPMENT TAG (SEE MECHANICAL EQUIPMENT SCHEDULE)

DRAWING INDEX

PROJECT SCOPE

<THE PURPOSE OF THIS PROJECT IS TO INSTALL (N) RECEPTACLES AND LUMINAIRES FOR A FIRST AND SECOND FLOOR LOBBY TENANT IMPROVEMENT.>

CONSULTANT LOGO/ LICENSE STAMP

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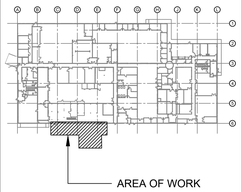
PROJECT/ CLIENT

Cepheid

BUILDING 1 RECYCLING

918 CARIBBEAN DRIVE
SUNNYVALE, CA 94089



KEY PLAN

REV	DESCRIPTION	DATE
	PROGRESS UPDATE	05/31/18
1	MINOR USE PERMIT REVISION	09/28/18

SHEET TITLE

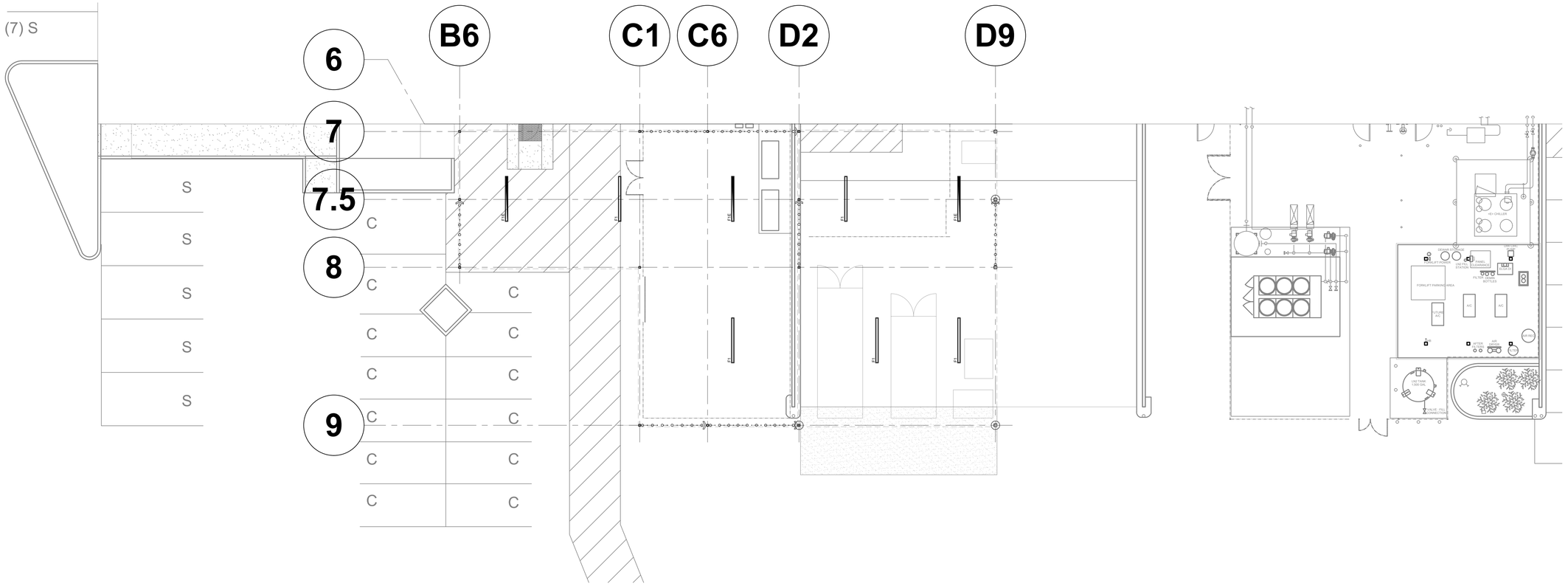
ELECTRICAL SYMBOLS, ABBREVIATIONS, GENERAL NOTES, DRAWING INDEX & PROJECT SCOPE

SHEET

E0.0

CLIENT PROJECT ID: N/A JOB NO: 20XX_YY/

PROJ. #180054



ELECTRICAL LIGHTING PLAN - RECYCLING AREA

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

PHILIPS
Day-Brite
CFI

Industrial

Vaporlume LED V2

8' sealed industrial, 10,200 or 14,000 lumens

Project:	Cepheid
Location:	B1 Recycling Area
Cat.No:	
Type:	F1
Lamps:	Qty: 9
Notes:	

The Philips Day-Brite / Philips CFI Vaporlume LED sealed industrial V2 is a specialized wet location, IP rated product designed for use in both indoor and outdoor environments. It is a wet location listed, non-corrosive luminaire available in both fluorescent and LED light sources.

for EM fixtures

Ordering guide Example: V2WAES1L840-8-UNV MD360W

Family	Application	Lens	Hubs Installed	Lumen Package[1]	Color Temp.	Length	Voltage	Driver	Options
V2	W – Wet Location	A – DR Acrylic P – Polycarbonate L – Enhanced LED Acrylic	E	S1L – 10,200 nominal lumens (23°C ambient) S1LH – 10,200 nominal lumens (40°C ambient) 70L – 14,000 nominal lumens (25°C ambient)	830 – 80 CRI, 3000K 835 – 80 CRI, 3500K 840 – 80 CRI, 4000K 850 – 80 CRI, 5000K	8 – 8'	UNV – Universal Voltage, 120-277 volt 347 – 347 volt 480 – 480 volt	blank – 0-10V dimming SDIM[3] – Step dimming to 40% Input power	MD360W – Wet location occupancy sensor, external WHP – Wide Beam Optic EMLED[4] – Integral Emergency IP67 – Protection against effects of immersion GLR – Fusing, fast blow TR – Torx T-15 tamper resistant stainless steel latches (TPDTH tamper proof driver required)

Footnotes

1 Lumen package codes are for 4' units. 8' units produce double the lumen output (as shown in the descriptors).
2 All 347V and 480V models available only for (-20°C to 23°C) ambient. Not available for use with 1SLH or SDIM options.
3 Step dim (SDIM) option not available on 1SLH and 70L.
4 EMLED option not available on 347V or 480V models. 1SL is fully illuminated, and 70L is half illuminated to 1100lm nominal.

Accessories (order separately)

- **TBK –** Stainless Steel Top Bracket Kit (pair of brackets plus hardware)
- **EBK –** Stainless Steel End Bracket Kit (pair of brackets plus hardware)
- **WBK –** Stainless Steel Wraparound Bracket Kit (pair of brackets)
- **FKR-126 –** Chain Hanger Set (requires TBK)
- **TPDTH –** Tamper proof driver, Torx T-15 head pin drive and handle (required with TR option)

V2 Vaporlume LED sealed industrial

8', 10,200 or 14,000 lumens

Application

- Ideally suited for use in refrigerated cold storage, industrial, parking garage, and canopy applications.
- Acceptable for outdoor as well as indoor installations.
- Can be surface (wall/ceiling) or suspended mounted unless otherwise specified.
- Wet Location – Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or nonflammable liquid.
- Excellent for applications such as garages, stairwells, storage areas, horizontal shelf-mount refrigerated cases, and cold storage.
- Mounting brackets available, order separately.
- IP65 rating standard. IP67 configuration available.
- LED sources provide excellent low temperature performance. This product can replace a fluorescent model in cold environments with significant energy savings.
- S1LH model listed for use in -35°C to 40°C ambient; 50,000 hour L70 lumen maintenance.
- S1L/70L models listed for use in -20°C to 25°C ambient. L70 lumen maintenance is 100,000 hours for S1L model, and 50,000 hours for 70L.
- NSF Certified for Non-Food Zone Installations.
- EMLED 1100lm nominal in DC mode
- WHP wide optic is an acrylic lens factory installed on the LED arrays, provides compliance to DLC requirements for parking garage luminaires
- Vaporlume LED luminaires are Designlights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL.

Construction/Finish

- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White one piece, molded fiberglass reinforced polyester body. No rusting, no oxidation, and no corrosion.
- Standard acrylic lens (A) is stippled sheet of .130" nominal thickness.
- Optional LED lens (L) designed specifically to further reduce pixilated glare from LED's. Linear rib profile.
- Optional polycarbonate lens (P) will not be yellowed by LED sources because they do not produce UV.
- Continuous compressible closed cell gasket provides tight seal between plastic enclosure and luminaire body.
- Stainless steel cam action latches.
- Lighting channel painted after fabrication with polyester powder coating.
- Two gasketed threaded (½" trade size) wet location hubs installed on ends.

Electrical

- High efficiency LEDs provide up to 100,000 hour rated life (L70, defined as 70% lumen maintenance @ rated maximum ambient).
- Dimming to 5% on 0–10V controls standard. Step dim (SDIM) option available, 100/40% levels.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Combinations are available providing as much as 121 delivered lumens per Watt.
- Nominal lumen packages are 10,200 and 14,000 nominal, providing flexibility to optimize light levels for a specific application.
- LED sources provide full illumination in low temperature applications, unlike fluorescent sources that provide reduced light levels in very cold environments.
- LED sources can be frequently switched with no negative impact on life.
- Minimum 80 CRI provides smooth color rendering that rivals or exceeds performance of fluorescent lamps.
- Light output from the luminaire contains no infrared or ultraviolet energy, so the light won't heat or fade the objects being lit.
- Available motion sensor further increases energy savings in areas where occupancy is not continuous.

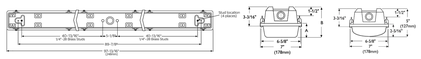
Labels

- cETLus listed to UL 1598. Suitable for use in wet locations.
- Five year luminaire limited warranty including LED boards and driver.
- Certain luminaire components may be adversely affected by contaminants. If sulfur, chlorine, or petroleum based solutions, or other contaminants will be in the area of operation, please consult factory as damage caused by these contaminants are not covered under our limited warranty.

V2 Vaporlume LED sealed industrial

8', 10,200 or 14,000 lumens

Dimensions



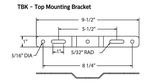
Shallow acrylic (A) and polycarbonate (P) lens

Enhanced LED acrylic lens (L)

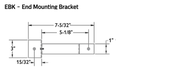
	Acrylic	Polycarbonate
A	2 1/8"	3"
B	5 3/16"	6 1/16"

Mounting Brackets

TBK – Top Mounting Bracket



EBK – End Mounting Bracket



WBK – Wraparound Mounting Bracket

EBK – End Mounting Bracket

Energy Data

Model	Initial Delivered Lumens @ 25°C Ambient	Input Power	Lumens per Watt	Application notes
V2WAES1L840-8-UNV	10,790	89W	121 LPW	• Equivalent to high ballast factor 2 lamp tandem F32T8 at room temperature. 15% energy savings.
V2WAE70L840-8-UNV	14,660	130W	113 LPW	• Equivalent to 3 lamp tandem F32T8 at room temperature. 30% energy savings.

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Philips Lighting Canada Ltd.
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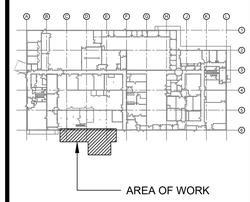
LIGHTING LEGEND

F1	(N) 8' SURFACE MOUNT LED LIGHT FIXTURE, 178W, 20,400 LUMENS, 40K, 0-10V DIM, WET LOCATION RATED, PHILIPS VAPORLUME V2-W-A-E-51LH-840-8-UNV
F1E	(N) 8' SURFACE MOUNT LED LIGHT FIXTURE W/ 90-MIN BATT BACKUP, 178W, 20,400 LUMENS, 40K, 0-10V DIM, WET LOCATION RATED, PHILIPS VAPORLUME V2-W-A-E-51LH-840-8-UNV-EMLED



KEY PLAN

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PROJECT/ CLIENT

Cepheid

BUILDING 1 RECYCLING

918 CARIBBEAN DRIVE
SUNNYVALE, CA 94089

REV	DESCRIPTION	DATE
	PROGRESS UPDATE	05/31/18
1	MINOR USE PERMIT REVISION	09/28/18

SHEET TITLE

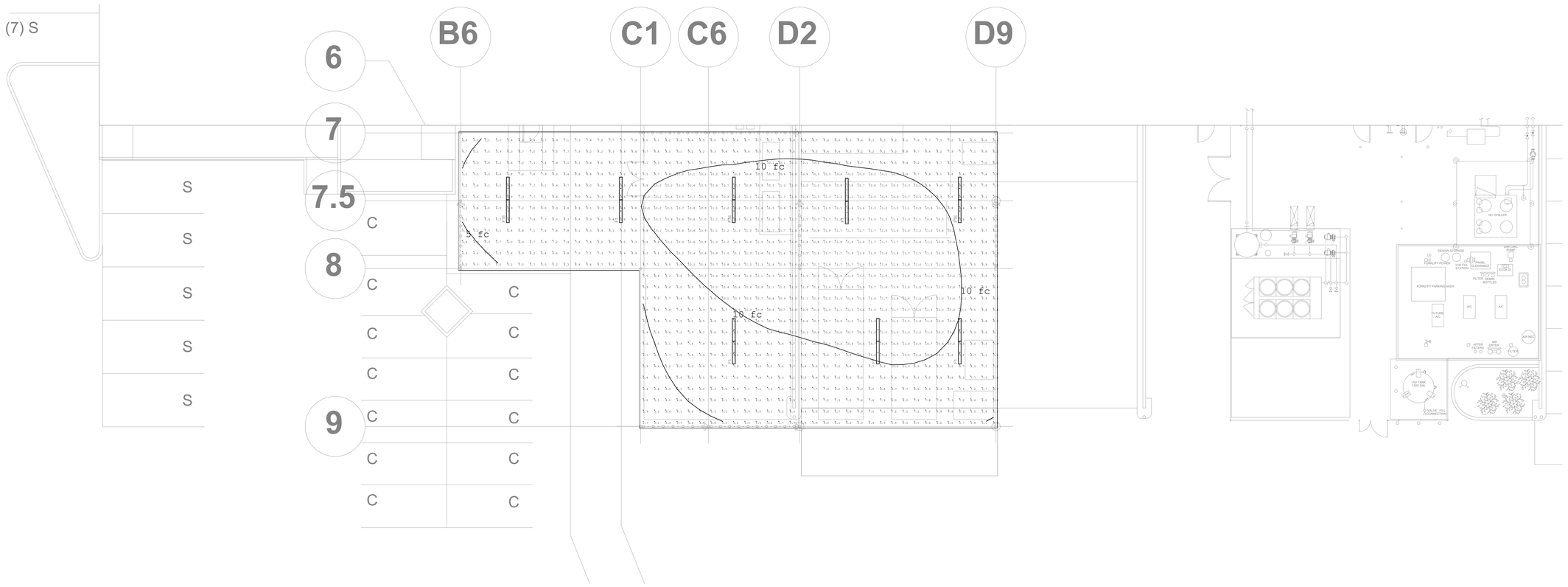
ELECTRICAL LIGHTING PLAN

SHEET

E1.0

CLIENT PROJECT ID: N/A JOB NO: 20XX_YYY

PROJ. #180054



ELECTRICAL LIGHTING PHOTOMETRIC PLAN - RECYCLING AREA

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

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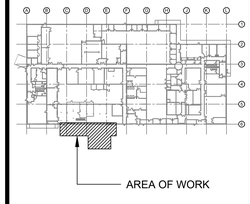

KEY PLAN

REV	DESCRIPTION	DATE
	PROGRESS UPDATE	05/31/18
1	MINOR USE PERMIT REVISION	09/28/18

SHEET TITLE

ELECTRICAL LIGHTING PHOTOMETRIC PLAN

SHEET

E1.1

CLIENT PROJECT ID: N/A JOB NO: 20XX_YYY

PROJ. #180054