<u> </u>			LECEND AND	A DDDE\/	IATIONS		
			LEGEND AND (NOTE: THIS IS A MASTER SYMBOL LIST AND NOT A				
	LIGHTING FIXTURES		EQUIPMENT		SINGLE LINE AND SCHEMATICS		ABBREVIATIONS
¤-o-¤	COBRA FIXTURES		SWITCHBOARD	I _AF	CIRCUIT BREAKER:	A, AMP	AMPERES
- 0-1	FLUORESCENT: OPEN STRIP		PANELBOARD — SURFACE MOUNTED	AT	AF = AMP FRAME AT = AMP TRIP	AFF	ABOVE FINISHED FLOOR
0	CEILING SURFACE OR RECESSED DOWNLIGHT		PANELBOARD — FLUSH MOUNTED	AIC	AIC P = POLE		AMPERES INTERRUPTING CAPACITY AUTOMATIC TRANSFER SWITCH
₽ 9	WALL MOUNTED FIXTURE OR SCONCE		TRANSFORMER	FUSIBLE SWITCH:		ATS A/V	AUDIO/VISUAL
	WALL WASHER	®	RELAY	_/3	_/3 = SWITCH SIZE AND POLES	BMS	BUILDING MANAGEMENT SYSTEM
Å	UPLIGHTS	©	CONTACTOR	FV FV	= FUSE SIZE	С	CONDUIT: WITH PULLCORD IF OTHERWISE EMPTY
0	BOLLARD LUMINAIRE		MAGNETIC STARTER	<u> </u>		CB, C/B	CIRCUIT BREAKER
Å⊞⊡⊕®			COMBINATION MAGNETIC STARTER/DISCONNECT	AF _AF	DRAWOUT CIRCUIT BREAKER:	CLG	CEILING
•	EMERGENCY LIGHTING UNIT: MOUNT AT LOWER OF +96" AFF OR 12" BELOW CEILING		NON-FUSIBLE DISCONNECT SWITCH	_AT _P	AF = AMP FRAME $AT = AMP TRIP$	DPDT	DOUBLE POLE DOUBLE THROW
XX	STEP LIGHTS		FUSIBLE DISCONNECT SWITCH	_AIC	P = POLE AIC = AMPERES INTERRUPTING CAPACITY	DPST	DOUBLE POLE SINGLE THROW
● 🗟 💆	EXIT LIGHT: FACES AND ARROWS AS INDICATED ON	VFD	VARIABLE FREQUENCY DRIVE	A	DRAWOUT FUSIBLE SWITCH:	(E)	EXISTING TO REMAIN
፟ , ETC.	PLANS LOW LEVEL EXIT LIGHT: MOUNT AT RETWEEN ±6" & ±8" A F.E.	<u> </u>	JUNCTION BOX — SIZE AS REQUIRED BY NEC	_/3	_/3 = SWITCH SIZE AND POLES	EC	EMPTY CONDUIT
	LOW LEVEL EXIT LIGHT: MOUNT AT BETWEEN +6" & +8" A.F.F TO BOTTOM OF FIXTURE; & 4" MAX. FROM EDGE OF FIXTURE TO LATCH SIDE OF DOOR OR EXIT WAY OPENING.	i i	PLUG MOLD SURFACE RACEWAY AND DEVICES	FV FV	= FUSE SIZE	EM	ELECTRIC METALLIC TUBING
	RECEPTACLES	TP	TELEPOWER POLE	<u> *</u>		EMT FACP	FIRE ALARM CONTROL PANEL
Φ	SINGLE: 20A, 125V, NEMA 5-20R, +15" AFF TO BOTTOM UON	Р	POWER POLE		NORMALLY OPEN CONTACT	FBO	FURNISHED BY OTHERS
Φ	DUPLEX: 20A, 125V, NEMA 5-20R, +15" AFF TO BOTTOM UON		CIRCUITING	#	NORMALLY CLOSED CONTACT	FLUOR	FLUORESCENT
<u>"</u>	SINGLE: 30A, 250V, NEMA 6-30R, +15" AFF TO BOTTOM UON		IN WALL OR ABOVE CEILING	<u> </u>	CONTACTOR COIL	FU	FUSE: DUAL-ELEMENT, TIME DELAY
<u></u>	DOUBLE DUPLEX: 20A, 125V, NEMA 5-20R, +15" AFF TO		IN FLOOR OR BELOW GRADE	R	RELAY COIL	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	BOTTOM UON	— P —	CIRCUITING TYPE: T = TELEPHONE C = CONTROL S = SECONDARY TV = TELEVISION P = PRIMARY		I I IIVANSIEN SWICH		GROUND
•	HALF SWITCHED DUPLEX: 20A, 125V, NEMA 5-20R, +15" AFF TO BOTTOM UON (TOP HALF SWITCHED)		OH = OVERHEAD SERVICE FO = FIBER OPTIC		(AUTOMATIC OR MANUAL PER PLANS)	НОА	HAND-OFF-AUTOMATIC
Φ	DUPLEX GFCI: 20A, 125V, GFCI, NEMA 5-20R GFCI, +15"		STUB OUT: MARK AND CAP	<u></u>			HIGH INTENSITY DISCHARGE
GFCI	AFF TO BOTTOM UON		CIRCUITING UP CIRCUITING DOWN	\mathfrak{m}{\tau_{\text{\ti}\\\ \text{\ti}\}}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\etx{\text{\tin}\}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}}\\ \tint\}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\\ \ti}\\\ \\ \tittitent{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi{\text{\text{\text{\text{\text{\texi}\}\text{\text{\texi}\text{\text{\ti}\}\til\text{\text{\text{\texi{\text{\tin}\}\tittt{\texi}\text{\texi}\text{\texi}\text{\text{\ti}\}\til\tiint	TRANSFORMER	HP	HORSEPOWER
Ŷ	DUPLEX I.G.: 20A, 125V, ISO. GND., NEMA 5-20R IG, +15" AFF TO BOTTOM UON (ORANGE DEVICE AND FACEPLATE)		TICS = No. OF #12 WIRES IF MORE THAN TWO			HPS	HIGH PRESSURE SODIUM
∞	SPECIAL RECEPTACLE - AS INDICATED ON PLANS, +15" AFF		// = NUMBER OF PHASE WIRES / = GROUND WIRE	PANEL —	PANEL - SEE PANEL SCHEDULE FOR DETAILS	IG	ISOLATED GROUND
Ψ	TO BOTTOM UON	6 111	/ = NEUTRAL WIRE			INCAND	INCANDESCENT
Φ	CLOCK HANGER: MOUNTED AT +80" AFF UON	A-1,3,5	HOMERUN = 1/2" C. UON, 4-#12, 1-#12G TO PANEL 'A', CIRCUIT No.s 1,3 AND 5		PANEL WITH MAIN BREAKER — SEE PANEL SCHEDULE FOR	Kcmil KW	THOUSAND CIRCULAR MILS (1in. = 1000MILS) KILOWATT
	SIGNAL OUTLETS		FIRE ALARM	PANEL	DETAILS	KVA	KILOWATT KILOVOLT AMPS
V	TELEPHONE OUTLET: 1-LINK, CAT6; +15" AFF TO BOTTOM UON	FACP	FIRE ALARM CONTROL PANEL: SURFACE MOUNTED UON			LPS	LOW PRESSURE SODIUM
∇	TEL/DATA OUTLET: 3-LINKS, CAT6; +15" AFF TO BOTTOM UON	FATC	FIRE ALARM TERMINAL CABINET: SURFACE MOUNTED UON	<u> </u>	MOTOR STARTER: NUMBER=NEMA STARTER SIZE	LTG	LIGHTING
▼	DATA OUTLET: 2-LINKS, CAT6; +15" AFF TO BOTTOM UON	FARA	FIRE ALARM REMOTE ANNUNCIATOR: FLUSH MOUNTED UON	1		LV	LOW VOLTAGE
	TELEVISION OUTLET: +15" AFF TO BOTTOM UON	F	MANUAL PULL STATION: AT +48" TO TOP UON] }	MOTOR OVERLOADS	MCB	MAIN CIRCUIT BREAKER
	CAMERA OUTLET	(5)	FIRE SPRINKLER WATER FLOW SWITCH	,	WOTON OVENEDADS	MCC	MOTOR CONTROL CENTER
<u>M</u>	MICROPHONE OUTLET	(13)	FIRE SPRINKLER TAMPER SWITCH	(MCP	MOTOR CIRCUIT PROTECTOR
	VOLUME CONTROL OUTLET	(SD)	SMOKE DETECTOR: CEILING MOUNTED		CURRENT TRANSFORMERS		MINIMUM POINT OF ENTRY FOR TEL/DATA SERVICES
 (S)	SPEAKER: CEILING MOUNTED UON	HD	HEAT DETECTOR: CEILING MOUNTED				NEW
CR	CARD READER: +48" AFF UON	DD	DUCT SMOKE DETECTOR	₩			NON-ADJUSTABLE CIRCUIT BREAKER
DS	DOOR SECURITY: SYSTEM POWERED AND CONTROLLED, UON	X	HORN: WALL MOUNT		INDICATOR LIGHT		NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
			AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON	Ø	A=AMBER G=GREEN	N,NEUT NIC	NEUTRAL NOT IN CONTRACT
<u>ф</u>	SWITCHES		CHIME: WALL MOUNT AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON		R=RED	NL NL	NIGHT LIGHT
φ ₋	SINGLE POLE: 20A, 120V OR 277V, +48" AFF TO TOP UON	A	SPEAKER: WALL MOUNT AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON	GFR	GROUND FAULT RELAY	NTS	NOT TO SCALE
\$2 \$3	DOUBLE POLE: 20A, 120V OR 277V, +48" AFF TO TOP UON THREE WAY: 20A, 120V OR 277V, +48" AFF TO TOP UON	\triangle	STROBE: WALL MOUNT	<u>(ST)</u>	SHUNT TRIP UNIT	OC	ON CENTER
—————————————————————————————————————	FOUR WAY: 20A, 120V OR 277V, +48" AFF TO TOP UON	F	AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON	(A) (V)	AMMETER	PNL	PANEL
\$т	TIMER SWITCH: 20A, 120V OR 277V, +48" AFF TO TOP UON	<u> </u>	HORN AND STROBE: WALL MOUNT AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON	(PF)	POWER FACTOR METER	PVC	POLYVINL CHLORIDE CONDUIT
\$P \$k	'P' = PILOT LIGHT SWITCH (LIGHTED WHEN "ON"), +48" AFF TO TOP UON 'K' = KEY OPERATED SWITCH, +48" AFF TO TOP UON	O	CHIME AND STROBE: WALL MOUNT	AS	AMMETER SWITCH	(R)	EXISTING TO BE RELOCATED
⊅к \$м	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD:		AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON	vs	VOLTMETER SWITCH	RGS	RIGID GALVANIZED STEEL
∀ M	20A, 120V OR 277V		SPEAKER STROBE: WALL MOUNT AT LOWER OF 80" AFF OR 6" BELOW CEILING, UON		METHODS	SPDT	SINGLE POLE DOUBLE THROW
\$мс	MOMENTARY CONTACT: 20A, 120V OR 277V, SPDT CENTER NORMALLY OFF UON, +48" TO TOP UON	₿	BUILDING MOUNTED ALARM BELL PER LOCAL CODE		OFFICE AND OFFICE OF EMERICATION A OFF	SPST	SINGLE POLE SINGLE THROW
\$ D	DIMMER: 600 WATT UON, ELECTRONIC SLIDER, WITH	DH	MAGNETIC DOOR HOLDER: SYSTEM POWERED AND CONTROLLED, UON	⊢⊕ ⊢ ⊕	NIGHT LIGHT 'NL' CIRCUIT	TYP	TYPICAL LINDER OPENING
φυ	ON/OFF TOGGLE, +48" TO TOP UON (PLANS SHALL INDICATE TYPE: FLUOR, INCAND OR LOW-VOLTAGE)	▼ FP	FIREFIGHTERS TELEPHONE OUTLET: MOUNTED AT +48" TO TOP UON	Q,b O	LETTERS INDICATE FIXTURE CONTROLLED BY SWITCHES 'a' & 'b'.	UG	UNDER GROUND UNSWITCHED
LV	LOW VOLTAGE SWITCH — WALL MOUNTED AT +48"			\$\$P	DEVICES MOUNTED IN A MULTIGANG BOX UNDER COMMON COVER	UON	UNLESS OTHERWISE NOTED
	TO TOP UON	FSD	FIRE SMOKE DAMPER		MAXIMUM HEIGHT ON WALL SHALL BE +48" TO TOP UON	UPS	UNINTERRUPTABLE POWER SUPPLY
os	MOTION/OCCUPANCY SENSOR SWITCH WITH OFF-AUTO		DESIGNATIONS	₽▼▽	DEVICES MOUNTED IN OR ABOVE BACKSPLASH: MAXIMUM HEIGHT ON WALLS SHALL BE +48" TO TOP UON	V	VOLTS
	SELECTOR - WALL MOUNTED AT +48" TO TOP UON	- (F1)	LIGHTING FIXTURE: F1 = TYPE, 3 = QTY., TYP = TYPICAL TYPES:	\$	FLUSH FLOOR MOUNTED WIRING DEVICES	WP	WEATHER PROOF (NEMA 3R)
<u>os</u>	MOTION/OCCUPANCY SENSOR SWITCH WITH OFF-AUTO SELECTOR - CEILING MOUNTED	1	SHEET NOTE	(⊅) ▼IJ	FLUSH FLOOR MOUNTED WIRING DEVICES IN SINGLE MULTI-	(X)	EXISTING TO BE REMOVED
(P)	PHOTOCELL ELECTRIC SWITCH: 1600VA UON	(1)	SHEEL NOTE		COMPARTMENT BOX	XFMR	TRANSFORMER
	MISCELLANEOUS	AC 1	MECHANICAL EQUIPMENT	⊕ Φ	RECEPTACLE MOUNTED IN CASEWORK	ΧP	EXPLOSION PROOF
	THERMOSTAT: MOUNT AT +48' TO TOP UON		EFFDED AIRCUITTY 710	₩Φ0	RECEPTACLE OR JUNCTION BOX MOUNTED IN CEILING		
① 	(PER MECHANICAL PLANS)	XXX X1	FEEDER CIRCUITRY TAG X1 = CONDUIT	# EP	FINE DASHING INDICATES EXISTING EQUIPMENT AND DEVICES TO BE REMOVED		_
√F/	EXHAUST FAN: FRACTIONAL HORSEPOWER	X2 X3	X2 = FEEDER X3 = GROUND			-	_
1	MOTOR: NUMBER = HORSEPOWER	X	DETAIL CALLOUT ON PLANS			· <u></u>	_
EPO	EMERGENCY POWER OFF PUSH BUTTON	XX	X= DETAIL NUMBER XX= SHEET NUMBER				
×	GROUND ROD						
~	g						1

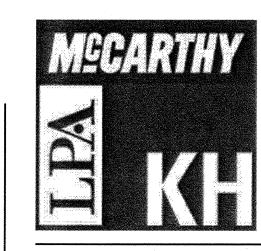
GROUND WELL

Riext (Riext)

				L PKG.			4
SHEET	DESCRIPTION	ISSUED FOR 100% DD DATE: 06/12/08		50% CD SITE ELECTRICAL DATE: 08/29/08	90% CD SUBMITTAL DATE: 09/19/08	DSA FINAL DATE: 04/09/09	REV TITLE
E0.01	LEGEND, ABBREVIATIONS, DRAWING SCHEDULE & PHOTOMETRIC SUMMARY		•	•	•	•	F
E0.02	TITLE 24 COMPLIANCE FORMS				•	•	t
E0.03	LIGHTING FIXTURE SCHEDULE		0	•		•	T
E0.04	ELECTRICAL DETAILS		0	0	•	•	
E0.05	ELECTRICAL DETAILS		•	•	•	•	
E0.06	NOT USED						
E2.00	ELECTRICAL SITE PLAN-OVERALL KEY PLAN	•	•	•	0	•	T
E2.01	ELECTRICAL PLAN	•	•	•	•	•	Γ
E2.02	NOT USED						
E2.03	ELECTRICAL PLAN	•	•	•	• .	•	Γ
E2.04	ELECTRICAL PLAN	•	•	•	•	•	Γ
E2.05	ELECTRICAL PLAN	0	•	•	•	•	L
E2.06	ELECTRICAL PLAN	•	•	•	•	•	L
E2.07	ELECTRICAL PLAN	•	0	•	•	•	L
E2.08	ELECTRICAL PLAN	0	0	0	0	•	-
E2.09	ELECTRICAL PLAN	0	6	•	6	•	-
E2.10	ELECTRICAL PLAN		6			•	-
E2.11 E2.12	ELECTRICAL PLAN ELECTRICAL PLAN	6	6	•	•	•	
E4.01	LIGHTING EXTENDED PHOTOMETRIC CALC.		•	(©	•	
E4.02	NOT USED	†	<u> </u>			<u> </u>	\vdash
E4.03	LIGHTING EXTENDED PHOTOMETRIC CALC.		0	6	6	•	l
E4.04	LIGHTING EXTENDED PHOTOMETRIC CALC.		6	0	6	•	
E4.05	LIGHTING EXTENDED PHOTOMETRIC CALC.		0	0	0	0	T
E4.06	LIGHTING EXTENDED PHOTOMETRIC CALC.		0	0	0	*	
E4.07	LIGHTING EXTENDED PHOTOMETRIC CALC.		0	0	•	•	
E4.08	LIGHTING EXTENDED PHOTOMETRIC CALC.		0	0	•	•	
E4.09	LIGHTING EXTENDED PHOTOMETRIC CALC.		0	0	•	•	
E4.10	LIGHTING EXTENDED PHOTOMETRIC CALC.	<u> </u>	•	0	0	•	_
E4.11	LIGHTING EXTENDED PHOTOMETRIC CALC.		•	0	. 6	•	L
E4.12	LIGHTING EXTENDED PHOTOMETRIC CALC.		•	•	•	•	
E6.01	ELECTRICAL - SITE UTILITY PLAN			•		•	
E6.02	ELECTRICAL - SITE UTILITY PLAN			0	•	•	
E6.03	ELECTRICAL - SITE UTILITY PLAN		· .	0	0	•	_
E6.04	ELECTRICAL — SITE UTILITY PLAN				•	•	_
E6.05	ELECTRICAL - SITE UTILITY PLAN	-		0	0	•	_
E6.06	CINCLE LINE DIACDAM, CHIEFT MOTEC AND GENERAL MOTEC	 				•	-
E6.05	SINGLE LINE DIAGRAM, SHEET NOTES AND GENERAL NOTES ELECTRICAL — SITE UTILITY DETAILS	 		***	0	•	-
E6.08	ELECTRICAL — SITE UTILITY DETAILS ELECTRICAL — EQUIPMENT SEISMIC MOUNTING DETAILS				***	•	
SEC.0.00	CENEDAL MOTES SYMBOLS ADDDENIATION LEGEND AND DRAWING INDEX			•		•	
SEC.1.01	GENERAL NOTES, SYMBOLS, ABBREVIATION, LEGEND AND DRAWING INDEX SECURITY SYSTEM CCTV BLOCK DIAGRAM			•		•	
SEC.2.00	SECURITY SYSTEM SITE DEVICE LAYOUT PLAN — OVERALL				•	•	
SEC.2.01	SECURITY SYSTEM SITE DEVICE LAYOUT PLAN — CAMERA NO. 1			•	0	•	
SEC.2.03	SECURITY SYSTEM SITE DEVICE LAYOUT PLAN - CAMERA NO. 2			•	•	•	
SEC.2.05	SECURITY SYSTEM SITE DEVICE LAYOUT PLAN - CAMERA NO. 3, 4 & 5			•	0	•	
SEC.2.08	SECURITY SYSTEM SITE DEVICE LAYOUT PLAN - CAMERA NO. 6 & 7			0	0	•	
SEC.2.12	SECURITY SYSTEM SITE DEVICE LAYOUT PLAN - CAMERA NO. 8			•	6	•	
SEC.3.01	SECURITY SYSTEM CAMERA DETAILS			•	•	•	

PHOTOMETRIC CALCUI	LATION SUMMARY		
Project: CSM Site		-	Sheet No.
Label	Required Average Foot Candles	Avg	
Parking Lot Bldg 10+12	0.5 Fc	3.75	E4.07 & E4.12
Pool Area Building 5N	10.0 Fc	11.98	E4.05
Path Areas	1.0 Fc	2.48	E4.05, E4.06, E4.08, E4.09, E4.11, & E4.12
Cobra Parking Lot 2	0.5 Fc	1.87	E4.04
Cobra Buildings 10 +12	Fc	1.95	E4.12
Cobra 4-way Stop	0.5 Fc	1.32	E4.03
Student Center Plaza @ Bldg. 10N	1.0 Fc	1.84	E4.07
Cobra Lot 1 + Roadway	0.5 Fc	1.58	E4.03 & E4.04

PHOTOMETRIC REQUIREMENTS
ATH OF EGRESS = AVERAGE LIGHT LEVEL 1 FOOT—CANDLE.
DADWAYS = AVERAGE LIGHT LEVEL (.5) FOOT—CANDLE.



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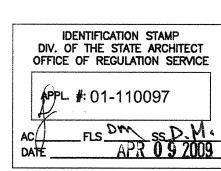
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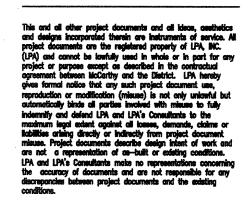
CORPORATE HEADQUARTERS
SAN JOSE FIGNEFRING
2702 Orchard Plays
SAN JOSE, CA (408) 288-2800

Arizona California Nevada New Mexico Oregon



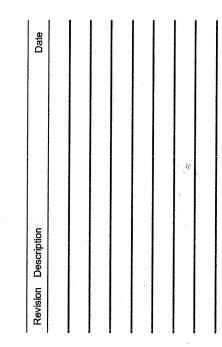


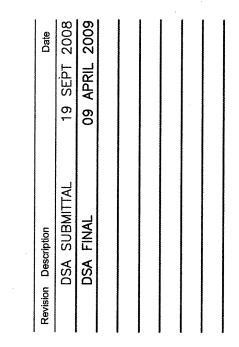
FILE NUMBER:



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San Mateo, CA





Job. No. 300085

Date 09 APRIL 2009

Drawn by REI CAD TEAM

Checked by TH/SF/RW

Scale AS SHOWN

Legend & Abbreviations
Drawing Schedule &
Photometric Summary

E0.01