

A

B

C

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E

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A










































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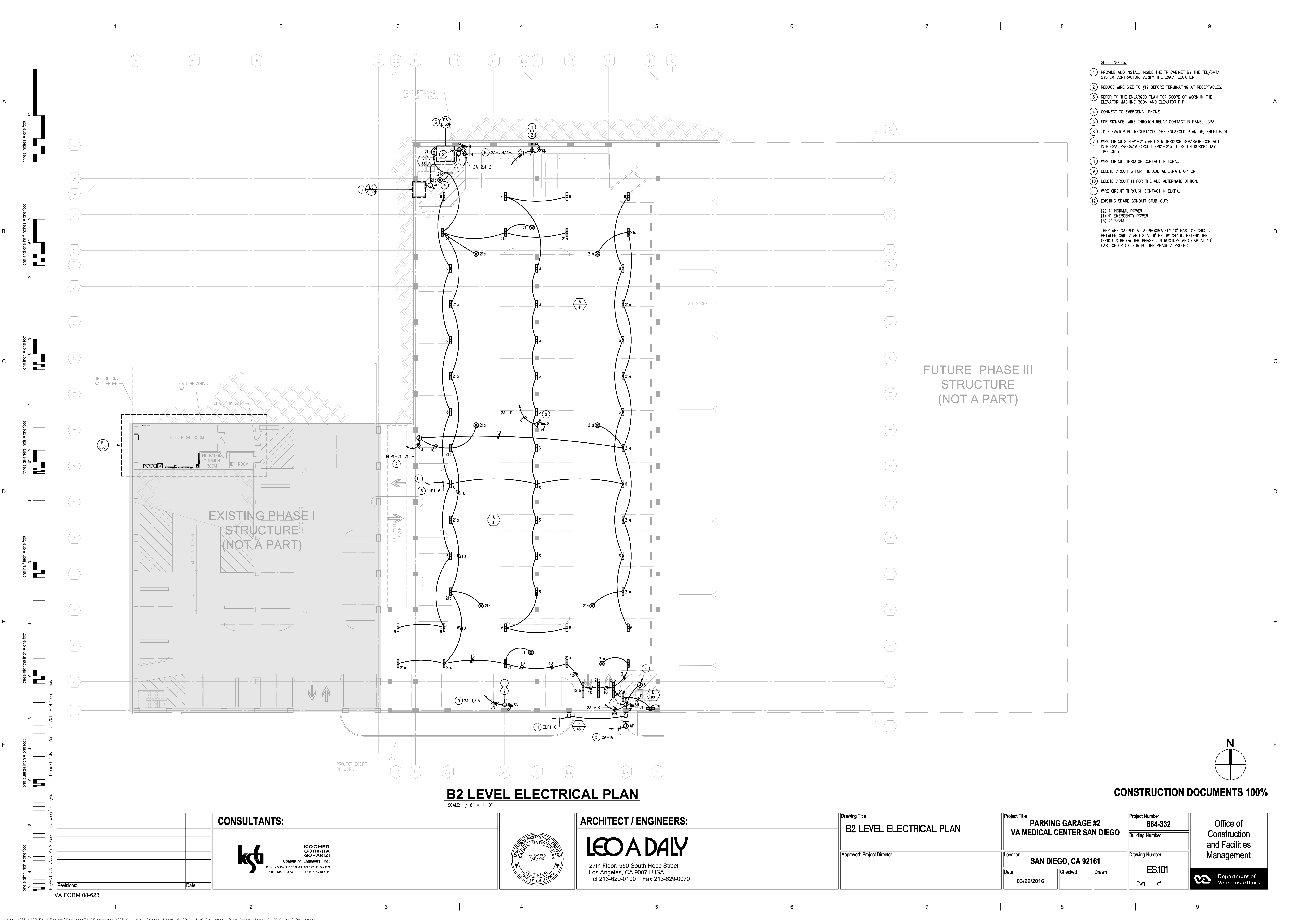
C

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E

F

ABBREVIATIONS		SYMBOLS				GENERAL NOTES	
AC AC AFF AFS AIC A AMP ANN ATS AV	ALTERNATING CURRENT AIR CONDITIONER ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AMPERES INTERRUPTING CAPACITY SYMM AMPERE FIRE ALARM ANNUNCIATOR AUTOMATIC TRANSFER SWITCH AUDIO/VISUAL	FLOOR CEILING WALL LIGHTING	                                         				



- SHEET NOTES:**
- 1 PROVIDE AND INSTALL INSIDE THE TR CABINET BY THE TEL/DATA SYSTEM CONTRACTOR. VERIFY THE EXACT LOCATION.
 - 2 REDUCE WIRE SIZE TO #12 BEFORE TERMINATING AT RECEPTACLES.
 - 3 REFER TO THE ENLARGED PLAN FOR SCOPE OF WORK IN THE ELEVATOR MACHINE ROOM AND ELEVATOR PIT.
 - 4 CONNECT TO EMERGENCY PHONE.
 - 5 FOR SIGNAGE. WIRE THROUGH RELAY CONTACT IN PANEL LCPA.
 - 6 TO ELEVATOR PIT RECEPTACLE. SEE ENLARGED PLAN D5, SHEET E501.
 - 7 WIRE CIRCUITS EDP1-21a and 21b THROUGH SEPARATE CONTACT IN ELOPA. PROGRAM CIRCUIT EDP1-21b TO BE ON DURING DAY TIME ONLY.
 - 8 WIRE CIRCUIT THROUGH CONTACT IN LCPA.
 - 9 DELETE CIRCUIT 5 FOR THE ADD ALTERNATE OPTION.
 - 10 DELETE CIRCUIT 11 FOR THE ADD ALTERNATE OPTION.
 - 11 WIRE CIRCUIT THROUGH CONTACT IN ELOPA.
 - 12 EXISTING SPARE CONDUIT STUB-OUT:
- (2) 4" NORMAL POWER
(1) 4" EMERGENCY POWER
(3) 2" SIGNAL
- THEY ARE CAPPED AT APPROXIMATELY 10' EAST OF GRID C, BETWEEN GRID 7 AND 8 AT 6' BELOW GRADE. EXTEND THE CONDUITS BELOW THE PHASE 2 STRUCTURE AND CAP AT 10' EAST OF GRID 6 FOR FUTURE PHASE 3 PROJECT.

B2 LEVEL ELECTRICAL PLAN

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

CONSULTANTS:



ARCHITECT / ENGINEERS:



27th Floor, 550 South Hope Street
Los Angeles, CA 90071 USA
Tel 213-629-0100 Fax 213-629-0070

Drawing Title
B2 LEVEL ELECTRICAL PLAN

Approved: Project Director

Project Title
**PARKING GARAGE #2
VA MEDICAL CENTER SAN DIEGO**

Location
SAN DIEGO, CA 92161

Date
03/22/2016

Checked

Drawn

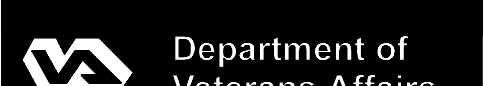
Project Number
664-332

Building Number

Drawing Number
ES.101

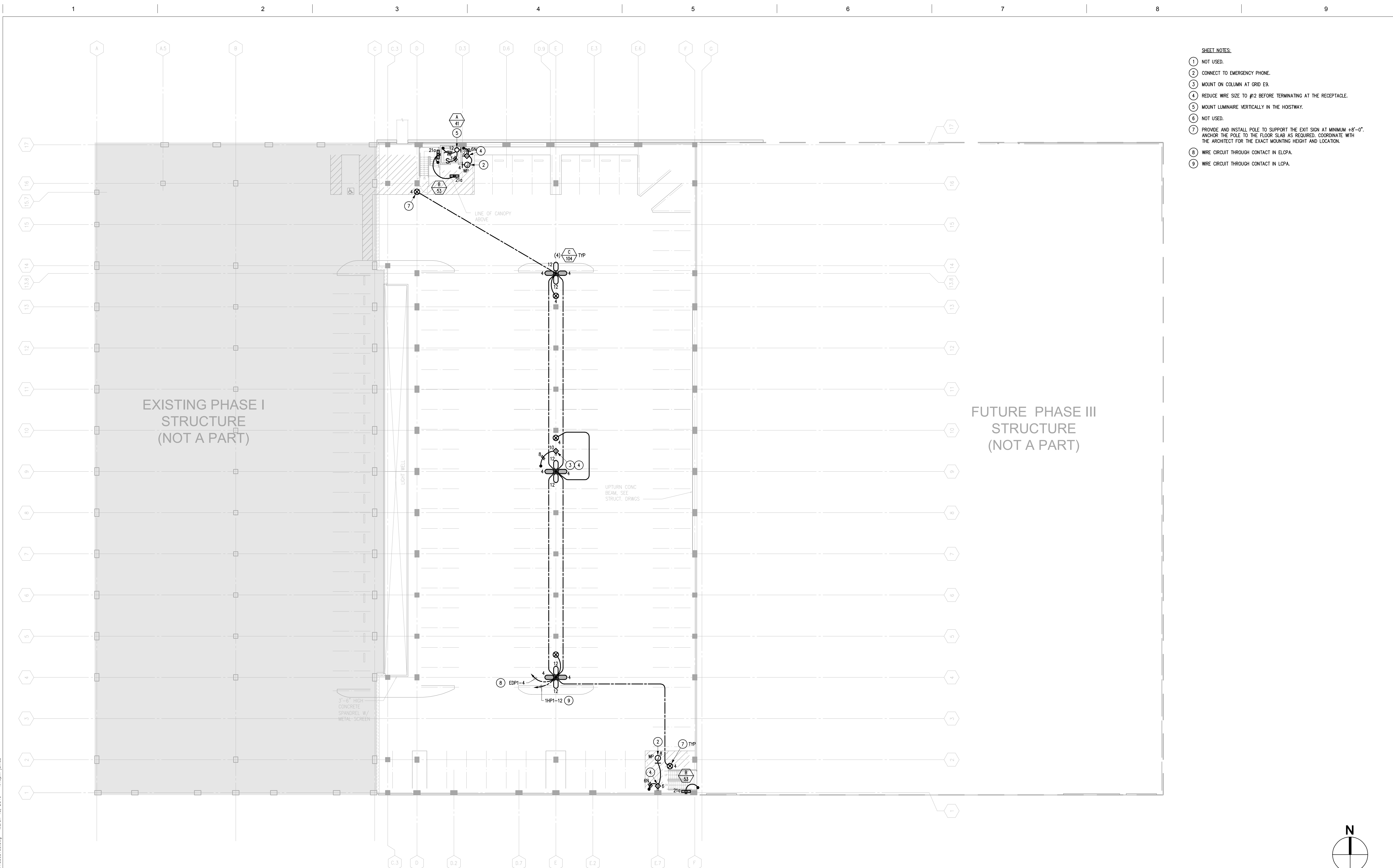
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Office of
Construction
and Facilities
Management



three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

- SHEET NOTES:
- 1 NOT USED.
 - 2 CONNECT TO EMERGENCY PHONE.
 - 3 MOUNT ON COLUMN AT GRID E9.
 - 4 REDUCE WIRE SIZE TO #12 BEFORE TERMINATING AT THE RECEPTACLE.
 - 5 MOUNT LUMINAIRE VERTICALLY IN THE HOISTWAY.
 - 6 NOT USED.
 - 7 PROVIDE AND INSTALL POLE TO SUPPORT THE EXIT SIGN AT MINIMUM +8'-0". ANCHOR THE POLE TO THE FLOOR SLAB AS REQUIRED. COORDINATE WITH THE ARCHITECT FOR THE EXACT MOUNTING HEIGHT AND LOCATION.
 - 8 WIRE CIRCUIT THROUGH CONTACT IN ELCPA.
 - 9 WIRE CIRCUIT THROUGH CONTACT IN LCPA.



FIRST (ROOF) LEVEL ELECTRICAL PLAN

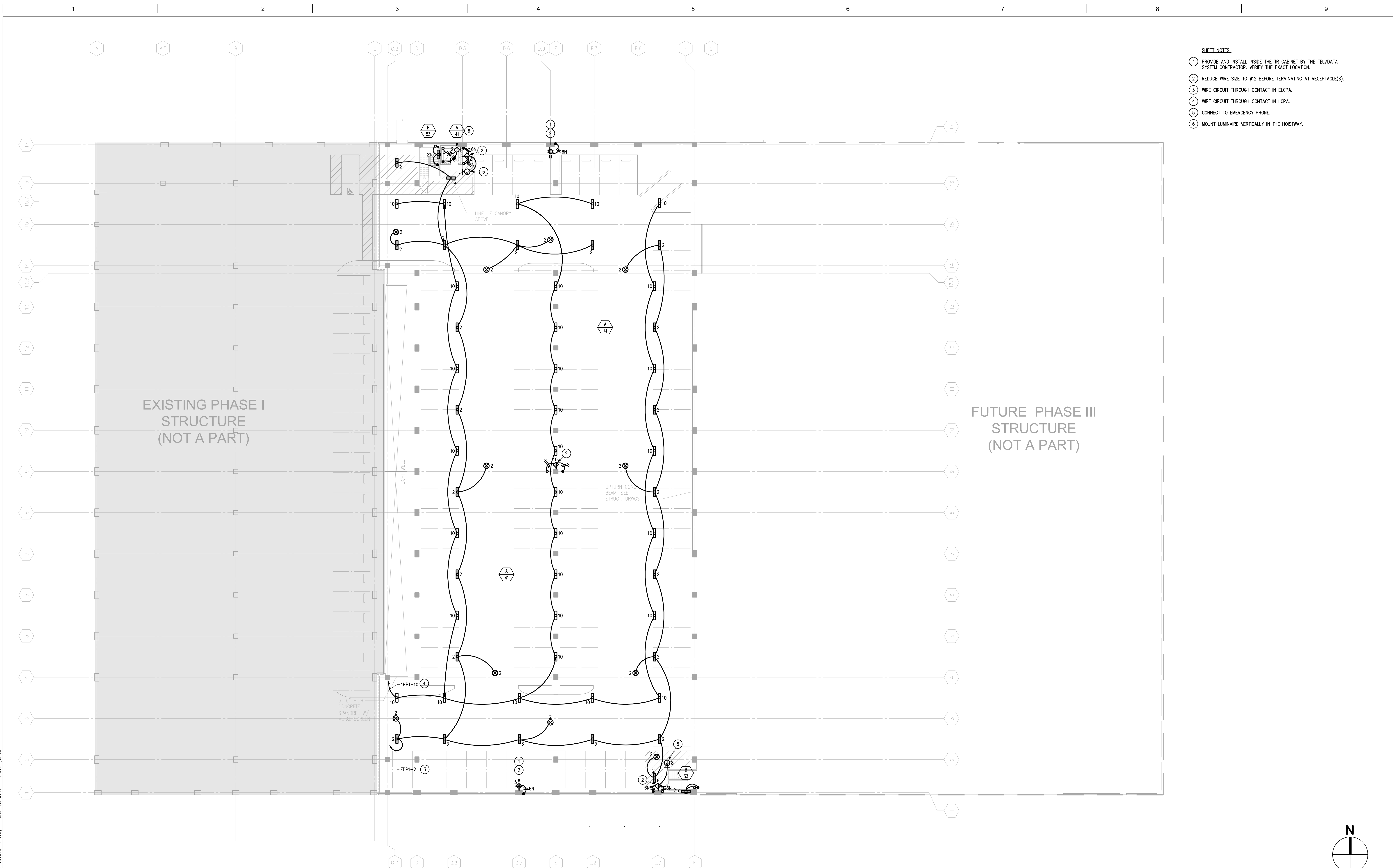
SCALE: 1/16" = 1'-0"

CONSTRUCTION DOCUMENTS 100%

CONSULTANTS: Kocher Schirra Goharizi Consulting Engineers, Inc. 111 N. JACKSON, SUITE 101 GLENDALE, CA 91201-4371 PHONE: 818.240.5630 FAX: 818.240.5144		 ARCHITECT / ENGINEERS: LEO A DALY 27th Floor, 550 South Hope Street Los Angeles, CA 90071 USA Tel 213-629-0100 Fax 213-629-0070		Drawing Title FIRST (ROOF) LEVEL ELECTRICAL PLAN Approved: Project Director		Project Title PARKING GARAGE #2 VA MEDICAL CENTER SAN DIEGO Location SAN DIEGO, CA 92161 Date 03/22/2016		Project Number 664-332 Building Number Drawing Number ES:103 Dwg. of		Office of Construction and Facilities Management 	
Revisions: VA FORM 08-6231											

three inches = one foot
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three quarters inch = one foot
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three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

- SHEET NOTES:
- 1 PROVIDE AND INSTALL INSIDE THE TR CABINET BY THE TEL/DATA SYSTEM CONTRACTOR. VERIFY THE EXACT LOCATION.
 - 2 REDUCE WIRE SIZE TO #12 BEFORE TERMINATING AT RECEPTACLE(S).
 - 3 WIRE CIRCUIT THROUGH CONTACT IN ELOPA.
 - 4 WIRE CIRCUIT THROUGH CONTACT IN LOPA.
 - 5 CONNECT TO EMERGENCY PHONE.
 - 6 MOUNT LUMINAIRE VERTICALLY IN THE HOSTWAY.



FIRST LEVEL ELECTRICAL PLAN (ADD ALTERNATE)

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

CONSTRUCTION DOCUMENTS 100%

CONSULTANTS: Kocher Schirra Goharizi Consulting Engineers, Inc. 111 N. Jackson, Suite 121, Glendale, CA 91205-4371 Phone: 818.240.5630 Fax: 818.240.5144		ARCHITECT / ENGINEERS: Leo A Daly 27th Floor, 550 South Hope Street Los Angeles, CA 90071 USA Tel 213-629-0100 Fax 213-629-0070		Drawing Title ADD ALTERNATE FIRST LEVEL ELECTRICAL PLAN		Project Title PARKING GARAGE #2 VA MEDICAL CENTER SAN DIEGO		Project Number 664-332 Building Number		Office of Construction and Facilities Management 	
Revisions:				Approved: Project Director		Location SAN DIEGO, CA 92161		Drawing Number ES.104-A1 Dwg. of			
Date						Date 03/22/2016		Checked		Drawn	

VA FORM 08-6231

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one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

- SHEET NOTES:
- 1 NOT USED.
 - 2 CONNECT TO EMERGENCY PHONE.
 - 3 MOUNT ON COLUMN AT GRID E9.
 - 4 REDUCE WIRE SIZE TO #12 BEFORE TERMINATING AT THE RECEPTACLE.
 - 5 MOUNT LUMINAIRE VERTICALLY IN THE HOISTWAY.
 - 6 NOT USED.
 - 7 PROVIDE AND INSTALL POLE TO SUPPORT THE EXIT SIGN AT MINIMUM +8'-0". ANCHOR THE POLE TO THE FLOOR SLAB AS REQUIRED. COORDINATE WITH THE ARCHITECT FOR THE EXACT MOUNTING HEIGHT AND LOCATION.
 - 8 WIRE CIRCUIT THROUGH CONTACT IN ELOPA.
 - 9 WIRE CIRCUIT THROUGH CONTACT IN LOCA.

SECOND (ROOF) LEVEL ELECTRICAL PLAN (ADD ALTERNATE)

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

CONSULTANTS:



ARCHITECT / ENGINEERS:



27th Floor, 550 South Hope Street
Los Angeles, CA 90071 USA
Tel 213-629-0100 Fax 213-629-0070

Drawing Title
ADD ALTERNATE
SECOND (ROOF) LEVEL ELECTRICAL PLAN

Approved: Project Director

Project Title
PARKING GARAGE #2
VA MEDICAL CENTER SAN DIEGO

Location
SAN DIEGO, CA 92161

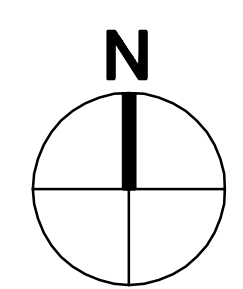
Date
03/22/2016

Project Number
664-332

Drawing Number
ES.105-A1

Dwg. of

Office of
Construction
and Facilities
Management



CONSTRUCTION DOCUMENTS 100%

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PANEL ELP1 (EXISTING)											
208/120 VOLTS			3 PHASE			40A, 3P MAIN BREAKER			40 AMP BUSSING		
3 WIRE			LOCATION			100% NEUTRAL BUS			WITHOUT IG BUS		
4 WIRE			KAICA			KSCA			WITHOUT IG BUS		
LOCATION	VA	VA	LTG	REC	MS	CIR	BKR		VA	VA	LOCATION
#A	#B	#C							#A	#B	#C
ELECTRIC ROOM RECEPTACLES	360								20-1	2	20-1
IDF ROOM RECEPTACLES	300								20-1	4	20-1
IDF ROOM RECEPTACLES	300								20-1	6	20-1
PACK	200								20-1	8	20-1
PHOTOCELL PLUG	200								20-1	10	20-1
PHASE 2 ELEV CAR		500							20-1	12	20-1
PHASE 2 ELEV MACHINE ROOM	221								20-1	14	20-1
SPACE	0								20-1	16	20-1
SPACE	0								20-1	18	20-1
SPACE	0								20-1	20	20-1
SPACE	0								20-1	22	20-1
SPACE	0								20-1	24	20-1
SPACE	0								20-1	26	20-1
SPACE	0								20-1	28	20-1
SPACE	0								20-1	30	20-1
SPACE	0								20-1	32	20-1
SPACE	0								20-1	34	20-1
SPACE	0								20-1	36	20-1
#A: 1681 VA			#B: 900 VA			#C: 1200 VA					
TOTAL CONNECTED LOAD: 3781			VA OR 10.5 AMPS @ 208 VOLTS - 3 Ø			RECEPTACLE LOAD: 0 x 180 = 0 VA			GENERAL LOAD: 3781 VA		
LCL: 0 VA x 25% = 0 VA											
FDL: 3781 VA OR 10.5 AMPS											

PANEL 1HP1 (EXISTING)											
480/277 VOLTS			3 PHASE			225A MAIN BREAKER			225 AMP BUSSING		
4 WIRE			LOCATION			100% NEUTRAL BUS			WITHOUT IG BUS		
KAICA			KSCA			WITHOUT IG BUS					
LOCATION	VA	VA	LTG	REC	MS	CIR	BKR		VA	VA	LOCATION
#A	#B	#C							#A	#B	#C
B2 LEVEL LIGHTS	1653								20-1	2	20-1
B1 LEVEL LIGHTS	1653								20-1	4	20-1
GROUND LEVEL LIGHTS	1653								20-1	6	20-1
ROOF LIGHTS	1320								20-1	8	20-1
SPACE	0								20-1	10	20-1
SPACE	0								20-1	12	20-1
SPACE	0								20-1	14	20-1
SPACE	0								20-1	16	20-1
SPACE	0								20-1	18	20-1
SPACE	0								20-1	20	20-1
SPACE	0								20-1	22	20-1
SPACE	0								20-1	24	20-1
SPACE	0								20-1	26	20-1
SPACE	0								20-1	28	20-1
SPACE	0								20-1	30	20-1
#A: 4513 VA			#B: 3069 VA			#C: 3762 VA					
TOTAL CONNECTED LOAD: 11344			VA OR 13.7 AMPS @ 480 VOLTS - 3 Ø			RECEPTACLE LOAD: 0 x 180 = 0 VA			GENERAL LOAD: 11344 VA		
LCL: 0 VA x 25% = 0 VA											
FDL: 11344 VA OR 13.7 AMPS											

PANEL EDP1 (EXISTING)											
480/277 VOLTS			3 PHASE			400A, 3P MAIN BREAKER			400 AMP BUSSING		
4 WIRE			LOCATION			100% NEUTRAL BUS			WITHOUT IG BUS		
KAICA			KSCA			WITHOUT IG BUS					
LOCATION	VA	VA	LTG	REC	MS	CIR	BKR		VA	VA	LOCATION
#A	#B	#C							#A	#B	#C
B2 LEVEL LIGHTS	1479								20-1	2	20-1
B1 LEVEL LIGHTS	1740								20-1	4	20-1
GROUND LEVEL LIGHTS	1740								20-1	6	20-1
ROOF LIGHTS	1740								20-1	8	20-1
ELECTRIC ROOM LIGHTS	1740								20-1	10	20-1
B2 ENTRY LIGHTS		310							20-1	12	20-1
B1 ENTRY LIGHTS	80								20-1	14	20-1
GROUND LEVEL ENTRY LIGHTS	80								20-1	16	20-1
EX LOADS		80							20-1	18	20-1
ELCP	300								20-1	20	20-1
PHASE II B2 LTG	1978								20-1	22	20-1
PHASE II B1 LTG	1402								20-1	24	20-1
SPACE	0								20-1	26	20-1
SPACE	0								20-1	28	20-1
SPACE	0								20-1	30	20-1
SPACE	0								20-1	32	20-1
SPACE	0								20-1	34	20-1
SPACE	0								20-1	36	20-1
SPACE	0								20-1	38	20-1
SPACE	0								20-1	40	20-1
SPACE	0								20-1	42	20-1
#A: 19001 VA			#B: 20410 VA			#C: 17622 VA					
TOTAL CONNECTED LOAD: 57033			VA OR 68.6 AMPS @ 480 VOLTS - 3 Ø			RECEPTACLE LOAD: 0 x 180 = 0 VA			GENERAL LOAD: 57033 VA		
LCL: 0 VA x 25% = 0 VA											
FDL: 57033 VA OR 68.6 AMPS											

EXISTING PANEL ELP1

NONE

B1

PANEL 2A

NONE

B4

EXISTING PANEL EDP1

NONE

B7

RELAY CABINET ELCPA ②							
LOCATION							
CONTROL	DESCRIPTION	CIRCUIT	RLY		RLY	CIRCUIT	DESCRIPTION
PC/TC	PHASE II LTG	EDP1-21a	1		2	EDP1-4	PHASE II LTG
PC/TC	PHASE II LTG	EDP1-21b	3		4	EDP1-6	PHASE II LTG
PC/TC	PHASE II LTG	EDP1-23	5		6	SPARE	PC/TC
PC/TC	PHASE II LTG	EDP1-2	7		8	SPARE	PC/TC
SM: MASTER SW: LOCAL LV SWITCH PC: PHOTOCELL TC: TIMECLOCK OS: OCCUPANCY SENSOR PH: PHONE							

RELAY CABINET LCPC ②							
LOCATION							
CONTROL	DESCRIPTION	CIRCUIT	RLY		RLY	CIRCUIT	DESCRIPTION
PC/TC	PHASE II LTG	1HP1-6	1		2	2A-16	PHASE II SIGNAGE
PC/TC	PHASE II LTG	1HP1-8	3		4	SPARE	PC/TC
PC/TC	PHASE II LTG	1HP1-10	5		6	SPARE	PC/TC
PC/TC	PHASE II LTG	1HP1-12	7		8	SPARE	PC/TC
SM: MASTER SW: LOCAL LV SWITCH PC: PHOTOCELL TC: TIMECLOCK OS: OCCUPANCY SENSOR PH: PHONE							

LUMINAIRE SCHEDULE			
TYPE	LAMPS	DESCRIPTION	REMARKS
A 41	LED 4100 LUMENS 85 CRI 4000K	SURFACE MOUNTED 4" HEAVY GAUGE STEEL HOUSING WITH POLYCARBONATE INJECTION MOLDED END CAPS, SNAP IN LED PAN, FULLY ENCLOSED 10% FROST LENS, LED DRIVER, WIRE GUARD AND DAMP LOCATION LISTED.	FOR GENERAL LIGHTING IN INDOOR SPACES.
B 53	LED 3500 LUMENS 85 CRI 4000K	SURFACE MOUNTED 4" WITH EXTRUDED ALUMINUM HOUSING, DIE CAST ROUND ALUMINUM END CAPS, EXTRUDED UV STABILIZED HIGH IMPACT POLYCARBONATE LENS AND WHITE OPAL ACRYLIC OVERLAY, SECURED BY STAINLESS STEEL SCREWS AND WET LOCATION LISTED.	FOR STAIRWELLS.
C 104	LED 10,828 LUMENS 4000K	POLE MOUNTED ONE PIECE LOW PROFILE DIE CAST ALUMINUM HOUSING LUMINAIRE WITH TYPE 4 OPTIC, INTEGRAL ARM, AVAILABLE INTEGRAL OPTICAL SHIELD TO CONTROL BACKLIGHT, INTEGRAL DRIVER AND WET LOCATION LISTED. 5" STRAIGHT SQUARE ALUMINUM POLE IS TO BE 25" HIGH.	FOR ROOF LEVEL.
D 45	16 LED 2500 LUMENS 4000K	WALL MOUNTED FULL CUTOFF LUMINAIRE HEAVY DUTY DIE-CAST ALUMINUM HOUSING WITH TEMPERED GLASS LENS, FULLY GASKETED LED, INTEGRAL ELECTRONIC DRIVER AND WET LOCATION LISTED.	PARKING ENTRY. MOUNTING HEIGHT TO MATCH PHASE I.
⊗	LED	DIE CAST ALUMINUM LONG LIFE NEOPRENE GASKETED WHITE HOUSING WITH VANDAL RESISTANT CLEAR UV STABILIZED POLYCARBONATE FACE AFFIXED WITH TAMPER RESISTANT STAINLESS STEEL SCREWS, WET LOCATION LISTED, CANOPY FOR END OR TOP MOUNTING. SINGLE OR DOUBLE FACE(S) WITH OR WITHOUT ARROW(S) AS SHOWN ON PLAN.	FOR ALL LOCATIONS. COORDINATE WITH THE ARCHITECT FOR THE MOUNTING HEIGHT.

208/120 VOLTS												PANEL 2A ②												50A, 3P MAIN BREAKER																							
3 PHASE												LOCATION												100 AMP BUSSING																							
4 WIRE												KAICA												100% NEUTRAL BUS																							
												KSCA												WITHOUT IG BUS																							
LOCATION												VA				LTG				REC				MS				CIR				BKR								VA				LOCATION			
												#A		#B		#C																															
B2 LEVEL TR CABINET												800																																			
B1 LEVEL TR CABINET												800																																			
FIRST LEVEL TR CABINET												800																																			
B2 LEVEL TR CABINET												800																																			
B1 LEVEL TR CABINET												800																																			
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