

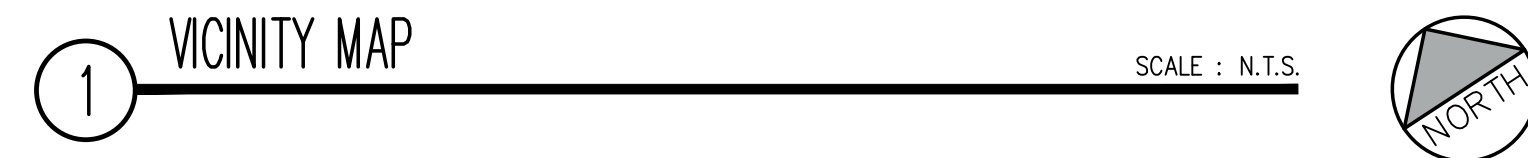
900 Fallon St.  
Oakland, CA 94607

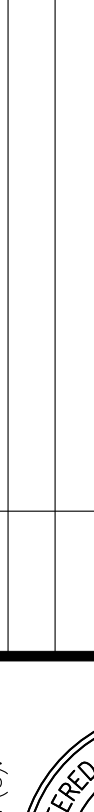


STRUCTURAL DETAILS AND CALCULATION PACKAGE FOR THE (N) REPLACEMENT  
POLE AND (N) CONC. PIER.

SEE E0.1

THIS PROJECT HAS BEEN DETERMINED BY DISTRICT TO NOT BE SUBJECT TO  
DSA REVIEW PER DSA IR A-22 SECTION 1.3.1 – MAINTENANCE WORK PER  
CAC SECTION 4-315 AS DEFINED IN CAC SECTION 4-314.



PROJECT TITLE: <b>LANEY COMMUNITY COLLEGE</b> 900 FALLON ST., OAKLAND, CA 94607						PROFESSIONAL STAMP(S): 					
PROJECT OWNER: <b>PERALTA COMMUNITY COLLEGE DISTRICT</b> 333 E. 8TH ST., OAKLAND, CA 94606						<b>Vektor Engineering &amp; Consulting Services, Inc.</b> <i>"Where engineering and technology drive innovation"</i> 2603 Camino Ramon, Suite 417 San Ramon, CA 94583 +1 (866) VEKTOR1 (835-8671)					
DRAWING TITLE: <b>COVER SHEET</b>											
DATE:		02/23/2023		REVISIONS		REV.		DATE		CHK BY	
SCALE:		AS NOTED		0		PERMIT SET		09/15/23		SVK	
DRAWN BY:		S. PAREDES		REVISIONS		DESCRIPTION					
JOB NO.		HLP2022--001		SHEET NO.		G0.1		REV.		0	



ANSI D (22.00 x 34.00 INCHES)

ELECTRICAL SHEET INDEX:

G0.1	COVER SHEET
E0.1	ELECTRICAL SHEET INDEX, SCOPE, SYMBOLS AND ABBREVIATIONS
E0.2	ELECTRICAL SHORTHAND SPECIFICATIONS
E0.3	ELECTRICAL GENERAL NOTES
E0.5	ELECTRICAL EQUIPMENT AND FEEDER SCHEDULES
E1.1	SITE PLAN PARKING LOT A – SHEET 1 OF 2
E1.2	SITE PLAN PARKING LOT A – SHEET 2 OF 2
E1.3	SITE PLAN B.E.S.T. CENTER & EAGLE VILLAGE
E1.4	SITE PLAN FIELD HOUSE
E5.1	PANEL SCHEDULES
E6.1	ELECTRICAL DETAILS
E6.2	ELECTRICAL DETAILS

DESIGN TEAM:

SARA PAREDES (SDP) – BIM TECHNICIAN  
GREG LIGHT (GWL) – PROJECT COORDINATOR  
SERGEY KOROLEV, P.E. (SVK) – ELECTRICAL ENGINEER

CONTACT US:

INFO@VEKTORENGINEERINGINC.COM  
+1 (925) 835-8671

VENDOR INFO:

CODE BLUE / TMG REP. GRP:

PETER PRIOR  
PETE@TMGREPGROUP.COM  
(925) 822-2095

JEROME ISIP  
JEROME@TMGREPGROUP.COM

REFERENCE & BOM TMG/CODE BLUE QUOTE # SLQT231031

ELECTRICAL SYMBOLS:

	HELP POINT
	INTEGRATED POWER CENTER
	GROUND CONNECTION
	SURFACE & FLUSH MOUNTED PANEL BOARD

SHEET ANNOTATION SYMBOLS:

	LINE CONTINUE BREAK
	DETAIL REFERENCE: TOP DESIGNATES DETAIL NUMBER BOTTOM DESIGNATES SHEET NUMBER "–" FOR SHEET NUMBER INDICATES CURRENT SHEET
	KEY NOTE DESIGNATION
	EQUIPMENT DESIGNATION: TOP DESIGNATES EQUIPMENT ABBREVIATION BOTTOM DESIGNATES EQUIPMENT NUMBER
	PLAN CONTINUATION DESIGNATION AS REFERENCED BY MATCH LINE
	REVISION NUMBER DESIGNATION
	ROOM NUMBER DESIGNATION
	SECTION REFERENCE: TOP DESIGNATES SECTION NUMBER BOTTOM DESIGNATES SHEET NUMBER "–" FOR SHEET NUMBER INDICATES CURRENT SHEET

ABBREVIATIONS:

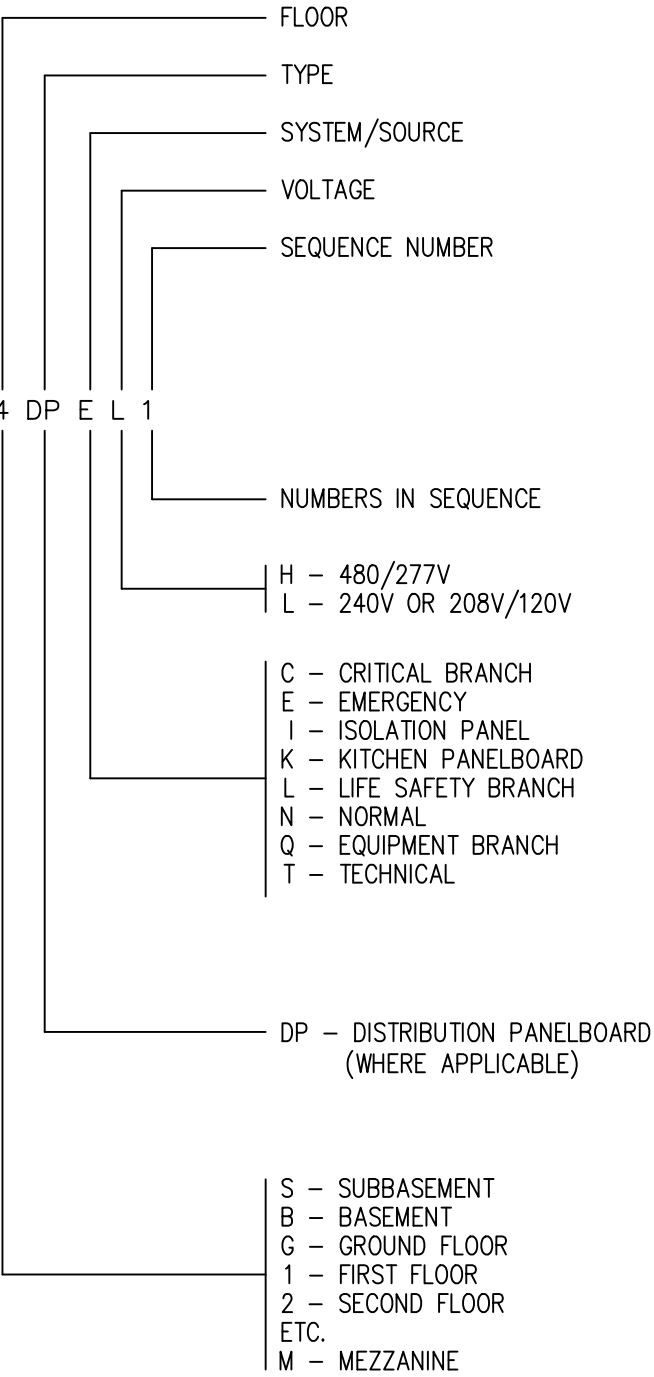
(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY ON DRAWINGS)

A	AMPERE	LCP	LIGHTING CONTROL PANEL
A/C	AIR CONDITIONER	LTG	LIGHTING
AC	ALTERNATING CURRENT	LV	LOW VOLTAGE
ADJ	ADJACENT	M	METER
AIC	MINIMUM AMPERE INTERRUPTING CAPACITY	MAX	MAXIMUM
AF	AMPERE FRAME OR FUSE	MBJ	MAIN BONDING JUMPER
AF/AT	AMP FRAME/AMP TRIP	MBS	MANUAL BY-PASS SWITCH
AFC	AVAILABLE FAULT CURRENT	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPACITY
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT BREAKER
AFS	AUTOMATIC FIRE SPRINKLER	MCC	MOTOR CONTROL CENTER
AHJ	AUTHORIZES HAVING JURISDICTION	MCM	THOUSAND CIRCULAR MILS
AHU	AIR HANDLING UNIT	MDF	MAIN DATA FRAME
AMP	AMPERE	MECH	MECHANICAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MFD	MULTI-FUNCTION DEVICE (TYP. PRINTER/SCANNER)
APPROX	APPROXIMATE	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MGB	MAIN GROUND BAR
AS	AMPERE SWITCH	MIN	MINIMUM
AS/AF	AMP SWITCH/AMP FUSE	MISC	MISCELLANEOUS
ASSY	ASSEMBLY	ML0	MAIN LUG(S) ONLY
AT	AMPERE TRIP	MOCP	MAXIMUM OVER CURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	MSG	MAIN SWITCHGEAR
AUX	AUXILIARY	MSB	MAIN SWITCHBOARD
A/V	AUDIO/VISUAL	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	MV	MEDIUM VOLTAGE
BAS	BUILDING AUTOMATION SYSTEM	(N)	NEW
BD	BOARD	N	NEUTRAL CONDUCTOR
BJ	BONDING JUMPER	NC	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRICAL CODE
BOF	BOTTOM OF FIXTURE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
BMS	BUILDING MANAGEMENT SYSTEM	NETA	INTERNATIONAL ELECTRICAL TESTING ASSOCIATION
C	CONDUIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CAT	CATEGORY	NIC	NOT IN CONTRACT
CATV	CABLE TELEVISION	NO	NORMALLY OPEN
CAB	CABINET	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	OC	ON CENTER
CBG	CALIFORNIA BUILDING CODE	OFCl	OWNER FURNISHED CONTRACTOR INSTALLED
CCTV	CLOSED CIRCUIT TELEVISION	OFOI	OWNER FURNISHED OWNER INSTALLED
CFC	CALIFORNIA FIRE CODE	OFR	OVER FLOOR RACEWAY
CKT	CIRCUIT	OH	OVERHEAD
CL	CENTER LINE	OL	OVERLOAD
CLG	CEILING	PA	POLE
CNLT	CONTROL	PA	PUBLIC ADDRESS
CO	CONDUIT ONLY	PB	PULL BOX
COAX	COAXIAL CABLE	PC	PHOTOCELL
CONT	CONTINUATION	PH,Ø	PHASE
CP	CONTROL PANEL	PIV	POST INDICATOR VALVE
CT	CURRENT TRANSFORMER	PM	PLUG MOLD
CU	COPPER	PNL	PANEL
CWP	COLD WATER PIPE	POC	POINT OF CONNECTION
COL	COLUMN	PSF	POUNDS PER SQUARE FEET
COMM	COMMUNICATIONS	PT	POTENTIAL TRANSFORMER
CONC	CONCRETE	PV	PHOTOVOLTAIC
CONT	CONTINUOUS	PVC	POLYVINYL CHLORIDE DUCT
CDP	CONDENSATE DRAIN PUMP	PWR	POWER
DC	DIRECT CURRENT	RAD	RADIUS
DCW	DOMESTIC COLD WATER	RAP	REMOTE ANNUNCIATOR PANEL
DEMO	DEMOLITION	RCOP	RELAY CONTROL PANEL
DIA	DIAMETER	REC	RECESSED
DISC	DISCONNECT	RECEPT	RECEPTACLE
DIST	DISTRIBUTION	REF	REFERENCE
DN	DOWN	RGS	RIGID GALVANIZED STEEL
DWG	DRAWING	RM	ROOM
(E)	EXISTING	RSC	RIGID STEEL CONDUIT
EA	EACH	RTU	ROOF TOP UNIT
EBJ	EQUIPMENT BONDING JUMPER	SAD	SEE ARCHITECTURAL DOCUMENTS
EC	ELECTRICAL CONTRACTOR	SBJ	SYSTEM BONDING JUMPER
EF	EXHAUST FAN	SSD	SEE STRUCTURAL DOCUMENTS
EGC	EQUIPMENT GROUNDING CONDUCTOR	SEC	SECURITY
EJ	EXPANSION JOINT	SECT	SECTION
EL	ELEVATION	SF	SUPPLY FAN
ELECT/ELEC	ELECTRICAL	SHT	SHEET
EMERG	EMERGENCY	SLD	SEE LANDSCAPE DRAWINGS
EMS	ENERGY MANAGEMENT SYSTEM	SM	SINGLE-MODE
EMT	ELECTRICAL METALLIC TUBING	SMD	SEE MECHANICAL DRAWINGS
EOL	END OF LINE	SPECS	SPECIFICATIONS
EQUIPT	EQUIPMENT	SPKR	SPEAKER
EQUIV	EQUIVALENT	SPST	SINGLE POLE SINGLE THROW
FA	FIRE ALARM	SSBJ	SUPPLY SIDE BONDING JUMPER
FAAP	FIRE ALARM ANNUNCIATOR PANEL	STBY	STANDBY
FACP	FIRE ALARM CONTROL PANEL	STC	SIGNAL TERMINAL CABINET
FAPS	FIRE ALARM POWER SUPPLY	SW	SWITCH
FATC	FIRE ALARM TERMINAL CABINET	SWBD	SWITCHBOARD
FBO	FURNISHED BY OTHER DIV. OF WORK	SWGR	SWITCHGEAR
FC	FAN COIL	SYM	SYMBOL
FDR	FEEDER	SYS	SYSTEM
FF	FINISHED FLOOR	T	TRANSFORMER
FIXT	FIXTURE	TBB	TELEPHONE BACKBOARD
FL	FLOOR	TELE	TELEPHONE
FLA	FULL LOAD AMPS	TEMP	TEMPERATURE
FLASH'G	FLASHING	THERM	THERMOSTAT
FLEX	FLEXIBLE	TOP	TOP OF PANEL
FP	FIRE PROTECTION	TRANSF	TRANSFORMER
FPL(S)	FIRE ALARM POWER LIMITED (SHIELDED)	TS	TAMPER SWITCH
FS	FLOW SWITCH	TTB	TELEPHONE TERMINAL BOARD
FSD	FIRE SMOKE DAMPER	TV	TELEVISION
FT	FEET/FOOT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
FTC	FIRE ALARM TERMINAL CABINET	TX	TRANSFORMER
G	GROUND	TYP	TYPICAL
GC	GROUNDED CONDUCTOR	UC	UNDER COUNTER
GE	GROUNDING ELECTRODE CONDUCTOR	UGPS	UNDERGROUND PULL SECTION
GFC (GFCI)	GROUND FAULT CIRCUIT INTERRUPTER	UG	UNDERGROUND
GND	GROUND	UL	UNDERWRITERS LABORATORIES
GRS	GALVANIZED RIGID STEEL CONDUIT	UMC	UNIFORM MECHANICAL CODE
GYP	GYPJUM	UON	UNLESS OTHERWISE NOTED
HACR	HEATING, AIR CONDITIONING AND REFRIGERATION	UPS	UNINTERRUPTED POWER SUPPLY
HH	HANDHOLE	V	VOLT/VOLTAGE
HID	HIGH INTENSITY DISCHARGE	VA	VOLT AMPERE(S)
HOA	HAND OFF AUTOMATIC	VAV	VARIABLE AIR VOLUME
HP	HORSE POWER, HEAT PUMP	VDC	VOLTAGE DIRECT CURRENT
HT	HEIGHT	VERT	VERTICAL
HV	HIGH VOLTAGE	VFD	VARIABLE FREQUENCY DRIVE
HZ	HERTZ	VIF	VERIFY IN FIELD
IBC	INTERNATIONAL BUILDING CODE	VM	VOLT METER
IC	INTERRUPTING CAPACITY	W	WATT
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS	WAP	WIRELESS ACCESS POINT
ICC	INTERNATIONAL CODE COUNCIL	WAO	WORK AREA OUTLET
IDF	INTERMEDIATE DISTRIBUTION FRAME	W/	WITH
IMC	INTERMEDIATE METALLIC CONDUIT	W/O	WITHOUT
ISC	SHORT CIRCUIT CURRENT	WH	WATER HEATER
JB	JUNCTION BOX	WM	WIRE MOLD
KCMIL	THOUSAND CIRCULAR MILS	WP	WEATHERPROOF
KVA	KILOVOLT AMPERES	WT	WEIGHT
KW	KILOWATT	WW	WIRE WAY
		XFMR	TRANSFORMER

CONDUIT & GROUNDING SYMBOLS:

	CONDUIT WITH CONDUCTORS CONCEALED IN CEILING OR WALL, 3/4" GALV. EMT CONDUIT, USE COMPRESSION FITTINGS, W/(2) #12AWG + (1) #12AWG GND., U.O.N. – CONCEAL CONDUITS AS MUCH AS POSSIBLE, SURFACE MOUNTED RACEWAYS ARE EXPLICITLY CALLED OUT ON THE RESPECTIVE DRAWINGS
	CONDUIT WITH CONDUCTORS OR CABLE CONCEALED UNDER FLOOR OR GROUND, 3/4" RPVC CONDUIT W/(2) #12AWG + (1) #12AWG GND., U.O.N.
	CABLE OR CONDUIT TURNING DOWN
	CABLE OR CONDUIT TURNING UP
	BRANCH CIRCUIT HOMERUN TO PANEL "A" CKT. "13" IN 3/4" GALV. EMT CONDUIT, USE COMPRESSION FITTINGS, W/(2) #12AWG + (1) #12AWG GND., U.O.N. NOTE: HOMERUN "TAIL" ONLY SHOWN FOR BRANCH CIRCUITS CONTAINING MULTIPLE DEVICES, HOMERUN ALL BRANCH CIRCUITS WHETHER A "TAIL" IS SHOWN OR NOT
	FLEXIBLE CONDUIT OR MC CABLE, 3/4" USE WATER TIGHT FOR EXTERIOR OR WET LOCATIONS, LAST 6" OF CONDUIT RUN TO EASE PLACEMENT, E.G. LIGHTS OR MOTORS
	END OF MAJOR CONDUIT RUN, PROVIDE FINAL CONNECTION, COORDINATE WITH RESPECTIVE DISCIPLINES FOR FINAL CONNECTION REQUIREMENTS
	CONNECTION TO PHYSICAL EARTH, SIZE GEC PER NEC
	COPPER CLAD GROUND ROD, 3/4" DIA. x 10'-0" LONG
	COPPER GROUND BUS BAR, 4" WIDE x 24" LONG IN THICK MIN., U.O.N.
	NO HASH MARK INDICATES 3/4" CONDUIT W/(2) #12AWG + (1) #12AWG GND., HASH MARKS ON CONDUIT INDICATES NUMBER OF UNGROUNDED CONDUCTORS AND HOOK INDICATES GND. CONDUCTORS, NUMBER BELOW INDICATES AWG SIZE OF UNDERGROUND CONDUCTORS, SIZE EGC AND OTHER GND. CONDUCTORS PER NEC

ELECTRICAL PANEL LABEL LOGIC:

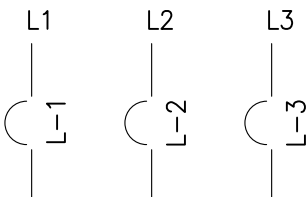


TYP. USA WIRE COLOR CODE:

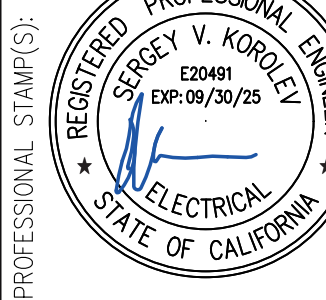
TYPE	120/208/240VAC	277/480VAC	208VAC OR 480VAC (L–L)
L1	BLACK	BROWN	BLACK
L2	RED	ORANGE	RED
L3	BLUE	YELLOW	–
NEUT.	WHITE	GREY	–
GND.	GREEN, GREEN/YELLOW, BARE	GREEN, GREEN/YELLOW, BARE	–

NOTES:

- IF CONDUCTORS DO NOT HAVE INSULATION OF APPROPRIATE COLOR OR ARE ONLY AVAILABLE IN BLACK INSULATION, THEN WRAP ELECTRICAL TAPE AT BOTH ENDS TO COLOR CODE, USE AT LEAST 10 WRAPS MINIMUM AT EITHER END.
- TYPICAL CKT. BREAKER ORIENTATION:



- MEASURED PHASE ROTATION ONLY SPECIFIES THE ROTATION OF THE PHASES "CW" OR "CCW" IN RELATION TO THE CHANNELS OF THE PHASE ROTATION METER AND HOW THEY WERE ARE ATTACHED TO THE PHASES CONNECTED TO THE ACTUAL EQUIPMENT, TAKE CARE WHEN MEASURING.



**Vektor** Engineering & Consulting Services, Inc.  
"Where engineering and technology drive innovation"  
2603 Camino Ramon, Suite 417  
San Ramon, CA 94583  
+1 (866) VEKTOR1 (835-8671)

PROJECT TITLE:  
**LANEY COMMUNITY COLLEGE**  
900 FALLON ST., OAKLAND, CA 94607  
PROJECT OWNER:  
**PERALTA COMMUNITY COLLEGE DISTRICT**  
333 E. 8TH ST., OAKLAND, CA 94606  
DRAWING TITLE:  
**SHEET INDEX, SCOPE, SYMBOLS AND ABBREVIATIONS**

DATE: 02/23/2023

SCALE: AS NOTED

DRAWN BY: S. PAREDES

JOB NO. HLP2022--001

SHEET NO. REV.

**E0.1** 0



SHORTHAND ELECTRICAL SPECIFICATIONS:										
PART 1 – GENERAL:										
1.01 FURNISH ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION, SUPERINTENDENCE, SERVICES, EQUIPMENT, FACILITIES AND TEMPORARY CONSTRUCTION REQUIRED AND NECESSARY TO PROVIDE ALL ELECTRICAL SYSTEMS INDICATED ON THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS TO COMPLETELY UNDERSTAND THE SCOPE OF WORK, AND ACCOUNT FOR ALL ADDITIONAL RESOURCES AND EQUIPMENT NOT SPECIFICALLY INDICATED, BUT INFERRED AND IMPLIED, FOR A COMPLETE AND FUNCTIONAL INSTALLATION INCLUDING, BUT NOT LIMITED TO, ALL ACCESSORIES AND APPURTENANCES REQUIRED FOR TESTING AND COMMISSIONING THE VARIOUS SYSTEMS. ALL ELECTRICAL SYSTEMS MENTIONED IN THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE AND SHALL BE INSTALLED AS COMPLETE, FUNCTIONAL AND FULLY OPERATIONAL SYSTEMS.	THE OWNER, REPLACE OR REPAIR MATERIALS AND EQUIPMENT IN THIS SCOPE OF WORK AND ANY DAMAGE RESULTING THEREFROM.					INSULATION FOR WET LOCATIONS, U.O.N.				
	1.09 VERIFY ELECTRICAL RATING, LOAD, CIRCUIT REQUIREMENTS, AND CONNECTIONS FOR ALL EQUIPMENT SHOWN ON CONSTRUCTION DRAWINGS, AND FURNISHED BY OTHER DISCIPLINES PRIOR TO ROUGH IN, NOTIFY ELECTRICAL ENGINEER OF RECORD AND THE ENGINEER OF RECORD OF THE RESPECTIVE DISCIPLINE OF THIS CHANGE.					F. ALL BARE GROUNDING SYSTEM OR RING CONDUCTORS SHALL BE STRANDED COPPER #4AWG MIN. U.O.N.				
	1.10 PROVIDE WIRING TEST UPON COMPLETION OF WORK AND MAKE ADJUSTMENTS AS NECESSARY FOR SATISFACTORY OPERATION OF ALL ELECTRICAL SYSTEMS AS DETERMINED BY CONSTRUCTION MANAGEMENT TEAM.					G. ALL BARE GROUNDING ELECTRODE CONDUCTORS SHALL BE STRANDED COPPER #6AWG.				
	1.11 DEFINITIONS					H. UNGROUNDED AND NEUTRAL CONDUCTORS #1/0AWG THROUGH #4/0AWG SHALL HAVE XHHW (55 MILS) INSULATION OR THICKER AND MORE DURABLE.				
	A. "CONNECT": CONSTRUED TO MEAN MAKE FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE INSTALLATION OF A FULLY OPERATING PIECE OF EQUIPMENT WITH NECESSARY ACCESSORIES.					I. UNGROUNDED AND NEUTRAL CONDUCTORS #250MCM (KCMIL) AND LARGER SHALL HAVE XHHW (65 MILS) INSULATION OR THICKER AND MORE DURABLE.				
	B. "AS DIRECTED": AS COMMUNICATED BY THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE.					J. ALL INSULATION SHALL HAVE A TEMPERATURE RATING OF 75 DEG. C MINIMUM.				
	C. "WORK": CONSTRUED TO MEAN ALL LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES, AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION TO REALIZE INTENDED FUNCTION OF THE EQUIPMENT TO BE INSTALLED.					K. #8AWG AND LARGER SHALL BE STRANDED COPPER CONDUCTORS. SOLID CONDUCTORS MAY BE USED FOR #10AWG AND SMALLER WHERE VIBRATION IS PRESENT OR SPECIAL FLEXIBILITY IS REQUIRED; HOWEVER, ELECTRICAL ENGINEER OF RECORD SHALL APPROVE USE OF ANY SOLID CONDUCTORS PRIOR TO INSTALLATION.				
	D. "WIRING": RACEWAY, FITTINGS, CONDUCTORS, CABLE, BOXES AND OTHER ITEMS REQUIRED FOR A PROPER AND COMPLETE ELECTRICAL CONNECTION.					L. ALL SPLICES SHALL HAVE IN–LINE COLD SHRINK CONNECTION INSULATORS.				
	E. "CONCEALED": HIDDEN FROM SIGHT AS OBSERVED BY A REGULAR USER OF THE FACILITY OR PREMISES.					M. WIRING CONNECTORS:				
	F. "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.					1. #8AWG AND SMALLER INTERIOR WIRING SHALL BE CONNECTED WITH CONNECTORS HAVING INSULATED PRESSURE TYPE LIVE SPRING, WITH INSULATION RATED FOR 600V, 105 DEG. C MIN., USE INSULATION RATING OF 1000V, 105 DEG. C MIN. FOR LIGHTING BRANCH CIRCUITS.				
G. ALL OTHER DEFINITIONS AS PER THE ACCEPTED DEFINITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA).					2. #6AWG AND LARGER SHALL BE CONNECTED WITH COMPRESSION TYPE CONNECTORS WITH #33+ OR SUPERIOR ELECTRICAL TAPE TO COVER PER INDUSTRY STANDARDS.					
1.12 SAFETY AND INDEMNITY:					N. GROUNDING SHALL COMPLY WITH CEC REQUIREMENTS.					
A. SAFETY: THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. SEE ALSO THOSE REQUIREMENTS DESCRIBED BY THE GENERAL NOTES ON E0.3 AND SCOPE OF WORK ON E0.1.					2.04 PANELS:					
B. NO ACT, SHOP DRAWING REVIEW OR CONSTRUCTION REVIEW BY THE OWNER, THE ENGINEERS OR THEIR CONSULTANTS IS INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURE, IN, ON, OR NEAR THE CONSTRUCTION SITE.					A. ENCLOSURES SHALL BE SINGLE DOOR, DEAD FRONT OF CODE GAUGE STEEL WITH TRIM AND DOOR OF 12 GAUGE STRETCHER–LEVELED STEEL. ENCLOSURES SHALL BE 20" (MIN.) WIDE BY 5–3/4" DEEP (MAX.), U.O.N. ALL PANELS FOR THIS PROJECT SHALL BE MANUFACTURED BY THE SAME MANUFACTURER.					
C. INDEMNITY: THE CONTRACTOR SHALL HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THEIR CONSULTANTS AND EACH OF THEIR OFFICERS, EMPLOYEES AND AGENTS, FROM ANY AND ALL LIABILITY CLAIMS, LOSSES OR DAMAGE ARISING OR ALLEGED TO ARISE FROM THE PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, AND THEIR CONSULTANTS, AND EACH OF THEIR OFFICERS, EMPLOYEES AND AGENTS.					1. FINISH SHALL CONSIST OF ONE COAT RUST RESISTANT PRIMER, ONE COAT GRAY ENAMEL INSIDE AND OUT.					
1.13 SUBMITTALS:					2. ENCLOSURES SHALL BE LOCKABLE WITH FLUSH TYPE COMBINATION LATCH, AND TWO KEYS SHALL BE FURNISHED. NO PLASTIC PARTS IN THE LATCH AND LOCK MECHANISM ARE PERMITTED.					
ELECTRICAL CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS FOR MATERIALS AND EQUIPMENT, AND RESPECTIVE SPECIFICATION SHEETS (IN A SINGLE COMPLETE SUBMITTAL) FOR REVIEW BY ELECTRICAL ENGINEER OF RECORD, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:					3. PANEL RATING AND BUS CAPACITIES PER RESPECTIVE PANEL SCHEDULES. BUSES SHALL BE MADE OF 98% CONDUCTIVITY OR BETTER COPPER BARS SIZED FOR CURRENT DENSITY OF 1,000 AMP/SQ. INCH OF CROSS SECTION (OR EQUIVALENT CURRENT DENSITY RATING TIN PLATED ALUMINUM).					
A. LIGHTING FIXTURES.					4. CIRCUIT BREAKERS SHALL BE BOLT ON ONLY.					
B. LIGHTING CONTROL SYSTEM AND DEVICES.					2.05 WIRING DEVICES:					
C. WIRING DEVICES.					A. ALL WIRING DEVICES AND COVER PLATES SHALL BE COORDINATED TO MATCH FINISHES PROPOSED BY ARCHITECT PRIOR TO BEING FURNISHED AND INSTALLED.					
D. WIRE, CONDUCTORS AND CABLES.					B. ASIDE FROM THE ENLIGHTED LIGHTING CONTROL DEVICES, SWITCHES, RECEPTACLES, PLATES, ETC. SHALL BE PURCHASED FROM THE SAME MANUFACTURER.					
E. CONDUIT, RACEWAYS, PULL BOXES, BOXES, FITTINGS, HANGERS AND SUPPORTS.					2.06 BOXES:					
F. TRANSFORMERS, PANELS AND DISCONNECTS.					A. OUTLET BOXES SHALL BE 4 INCH SQUARE BY 1–1/2 INCH DEEP (OR LARGER) GALVANIZED SHEET STEEL KNOCK–OUT TYPE WITH PLASTER RING AND COVER FOR GENERAL INTERIOR USE, AND CAST METAL, FERRIS STANDARD OR SHALLOW, OR FERRIS BOX DEEP WITH MATCHING SCREW COVERS FOR EXTERIOR LOCATIONS OR LOCATIONS EXPOSED TO WATER, PROVIDE GASKETED COVERS IN EXTERIOR, WET OR DAMP LOCATIONS.					
G. OTHER MAIN EQUIPMENT AS PART OF THIS WORK.					B. COVERS FOR WEATHER PROOF EXTERIOR SERVICE OR CONVENIENCE RECEPTACLES NEAR HVAC EQUIPMENT SHALL BE IN–USE WEATHER PROOF.					
1.14 PROJECT CLOSEOUT:					C. NEW BRANCH CIRCUIT JUNCTION BOXES SHALL USE THE SAME TYPE OF BOX AS THOSE USED FOR NEW RECEPTACLES, COORDINATE TYPE WITH OTHER DISCIPLINES.					
A. SEE REQUIREMENTS ON E0.3.					D. ALL EXTERIOR PULL BOXES SHALL BE OF TRAFFIC RATED CONSTRUCTION AND SHALL HAVE A TRAFFIC RATED COVER. COVER SHALL HAVE PRE–CAST OR ENGRAVED SIGN INDICATING TYPE OF CONDUCTORS OR CABLEING INSIDE, E.G. "ELECTRIC" OR "COMMS".					
1.15 CLEAN–UP AND DEMOBILIZATION:					2.07 CONDUIT HANGERS (SEE SUPPORT AND ANCHORAGE REQUIREMENTS ON E0.3):					
A. REMOVE AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS, TRASH AND DEBRIS DURING CONSTRUCTION AND TOWARDS COMPLETION OF THE PROJECT. LEAVE THE PREMISES AND SURROUNDING AREA IN A CLEAN AND ORDERLY CONDITION AS DIRECTED BY THE CONSTRUCTION MANAGEMENT TEAM. ALL MATERIALS AND EQUIPMENT SHALL BE DISPOSED OF PER GOVERNMENT REGULATIONS.					A. INDIVIDUAL CONDUIT RUNS 1 INCH AND SMALLER SHALL BE ATTACHED TO STRUCTURAL MEMBERS DIRECTLY USING CONDUIT CLAMPS WITH FASTENERS ON BOTH SIDES OF THE CLAMP. USE ROD HANGERS WHEN CONDUIT RUN NEEDS TO BE EXTENDED LOWER THAN THE DIRECT ATTACHMENT TO STRUCTURAL MEMBERS ALLOWS.					
PART 2 – BASIC MATERIALS AND METHODS:					B. INDIVIDUAL CONDUIT RUNS 1–1/4 INCH AND LARGER, OR MULTIPLE PARALLEL RUNS OF CONDUIT, SHALL BE ATTACHED TO STRUCTURAL MEMBERS USING A GALVANIZED METAL CHANNEL WITH MULTIPLE FASTENERS AS REQUIRED TO SUPPORT THE ASSEMBLY AND AN APPROPRIATELY SIZED CONDUIT CLAMP SPECIFIED FOR THE SIZE CONDUIT BY MANUFACTURER OF THE METAL CHANNEL.					
2.01 GENERAL:					C. CONTRACTOR SHALL USE METAL CHANNEL TRAPEZE TYPE CONDUIT SUPPORT FOR CONDUIT RUNS THAT REQUIRE CONDUIT RUNS 1–1/4 INCH AND LARGER, OR MULTIPLE PARALLEL RUNS OF CONDUIT, WHERE CONDUIT RUNS NEED TO BE EXTENDED LOWER THAN THE DIRECT ATTACHMENT TO STRUCTURAL MEMBERS ALLOWS.					
A. MATERIALS AND EQUIPMENT SHALL BE NEW, CURRENT MODELS THAT ARE SUPPORTED BY MANUFACTURER'S, AND SHALL BEAR COMPLETE IDENTIFICATION AND LABELS. PANELS AND DISCONNECT SHALL BEAR SHORT CIRCUIT CURRENT STUDY LABELS IDENTIFYING APPROACH DISTANCES AND P.P.E. REQUIRED.					D. CONDUIT SUPPORT SYSTEMS SHALL BE DESIGNED FOR A MAXIMUM DEFLECTION NOT GREATER THAN 1/8 INCH.					
2.02 CONDUITS:					E. DIAMETER OF HANGER ROD SHALL NOT BE LESS THAN 3/8 INCH.					
A. ELECTRICAL METALLIC TUBING (EMT) SHALL BE GALVANIZED WITH COMPRESSION STYLE FITTINGS, COUPLINGS, FITTINGS AND CONNECTORS SHALL BE INSULATED THROAT TYPE AND GALVANIZED. SETSCREW TYPE FITTINGS ARE NOT PERMITTED.					2.08 LIGHTING AND RECEPTACLE COMPLIANCE:					
B. RIGID (RMC) OR INTERMEDIATE METAL CONDUIT (IMC) SHALL BE GALVANIZED WITH THREADED STYLE FITTINGS. COUPLINGS AND CONNECTORS SHALL BE INSULATED THROAT TYPE AND GALVANIZED.					A. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONING LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY COMMISSION TITLE 24 REQUIREMENTS.					
C. FLEXIBLE CONDUIT SHALL BE STEEL METAL STRIP INTERLOCK CONSTRUCTION, ZINC COATED OR WITH EXTERNAL PLASTIC ARMOR, INCLUDING SUITABLE ACCESSORIES. AND SHALL BE WATER TIGHT IN WET OR EXTERIOR LOCATIONS.					B. CONTRACTOR SHALL PROVIDE ADDITIONAL LIGHTING CONTROL DEVICES AND COMMISSIONING TO ACCOMMODATE OCCUPANCY CONTROL OF VARIOUS RECEPTACLES THROUGHOUT.					
D. ALL EXTERIOR CONDUITS SHALL BE GALVANIZED RIGID (GALV. RMC) OR GALVANIZED INTERMEDIATE METAL CONDUIT (GALV. IMC). LAST 6' MAY BE FLEXIBLE CONDUIT TO EASE DEVICE PLACEMENT.					2.09 LIGHTING					
E. ALL UNDERGROUND CONDUIT SHALL BE RIGID PVC SCHEDULE 80.					A. INSTALL EMERGENCY EGRESS LIGHTING FIXTURES AS INDICATED ON RESPECTIVE PLANS ALONG THE EGRESS PATH IDENTIFIED BY ARCHITECT. PROVIDE EMERGENCY EGRESS LIGHTING FIXTURE CONTROL AND COMPLY WITH REQUIREMENTS OF UL924. PROVIDE A UL924 COMPLIANT CENTRAL LIGHTING INVERTER WITH 90–MINUTE BATTERY CAPACITY.					
F. ALL INTERIOR BRANCH CIRCUIT CONDUIT SHALL BE ELECTRICAL METAL TUBING (EMT) 3/4" MIN.					B. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
G. ALL CONDUIT FITTINGS IN WET LOCATIONS, AND FOR EXTERIOR OR UNDERGROUND CONDUIT SHALL BE WATER TIGHT TYPE SPECIFIED FOR THE TYPE OF CONDUIT TO BE INTERCONNECTED AT THOSE LOCATIONS.					PART 3 – EXECUTION:					
2.03 CONDUCTORS AND CABLE:					3.01 GENERAL:					
A. ALL CONDUCTORS AND CABLE SHALL BE COPPER. ALUMINUM CONDUCTORS ARE NOT PERMITTED.					A. ELECTRICAL CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND SHALL BE USED AS CLOSELY AS POSSIBLE AS ACTUAL CONSTRUCTION OF OTHER TRADES WILL PERMIT. VERIFY EXACT ROUTING OF CONDUITS AND RACEWAYS IN FIELD. EXACT LOCATIONS, DISTANCES, DIMENSIONS SHALL BE TAKEN FROM FIELD MEASUREMENTS. REPORT ALL MAJOR DEVIATIONS AND DISCREPANCIES THAT RESULT IN A 15% INCREASE IN ROUTE LENGTH TO ELECTRICAL ENGINEER OF RECORD.					
B. CONDUCTORS: PROVIDE SOFT DRAWN, ANNEALED COPPER WIRE 98% CONDUCTIVITY OR BETTER, BARING THE UL LABEL, WITH 600V MIN. ELECTRICAL INSULATION RATING, #12AWG MINIMUM (USE #10AWG FOR BRANCH CIRCUIT RUNS OVER 100' OR AS INDICATED ON RESPECTIVE CONSTRUCTION DRAWINGS).					B. CONTRACTOR SHALL VERIFY ALL SCALED DIMENSIONS AND REPORT CONFLICTS TO ELECTRICAL ENGINEER OF RECORD.					
C. CONDUCTORS #1AWG AND SMALLER USED IN DRY LOCATIONS SHALL HAVE THHN TYPE INSULATION, U.O.N.					C. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
D. CONDUCTORS #1AWG AND SMALLER USED IN WET LOCATIONS SHALL HAVE THWN TYPE INSULATION, U.O.N.					PART 3 – EXECUTION:					
E. INSULATED EQUIPMENT GROUNDING CONDUCTORS, EQUIPMENT OR SYSTEM BONDING JUMPERS, AND OTHER INSULATED GROUNDING CONDUCTORS SHALL HAVE THHN TYPE INSULATION FOR DRY LOCATIONS AND THWN					3.01 GENERAL:					
A. ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS SPECIFICATION AND/OR CONSTRUCTION DRAWINGS SHALL BE GUARANTEED BY CONTRACTOR IN WRITING FOR A PERIOD OF AT LEAST (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. CONTRACTOR SHALL APPLY FOR ALL REQUIRED EQUIPMENT AND MATERIAL WARRANTIES WITH RESPECTIVE MANUFACTURER'S AND REMAIN DIRECTLY RESPONSIBLE FOR FULFILLING THE MANUFACTURER WARRANTY OBLIGATIONS FOR THE FULL DURATION LISTED BY EACH MANUFACTURER FOR THE RESPECTIVE MATERIALS OR EQUIPMENT.					A. ELECTRICAL CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND SHALL BE USED AS CLOSELY AS POSSIBLE AS ACTUAL CONSTRUCTION OF OTHER TRADES WILL PERMIT. VERIFY EXACT ROUTING OF CONDUITS AND RACEWAYS IN FIELD. EXACT LOCATIONS, DISTANCES, DIMENSIONS SHALL BE TAKEN FROM FIELD MEASUREMENTS. REPORT ALL MAJOR DEVIATIONS AND DISCREPANCIES THAT RESULT IN A 15% INCREASE IN ROUTE LENGTH TO ELECTRICAL ENGINEER OF RECORD.					
B. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY MATERIAL OR EQUIPMENT OR SECTIONS OF THE ELECTRICAL SYSTEM, DURING THE WARRANTY PERIOD, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENT AND CORRECTIONS PROMPTLY AND WITHOUT EXPENSE OR INCONVENIENCE TO					B. CONTRACTOR SHALL VERIFY ALL SCALED DIMENSIONS AND REPORT CONFLICTS TO ELECTRICAL ENGINEER OF RECORD.					
C. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					C. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
D. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					D. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
E. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					E. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
F. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					F. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
G. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					G. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
H. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					H. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
I. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					I. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
J. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					J. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
K. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					K. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
L. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					L. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
M. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					M. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
N. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					N. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
O. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					O. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
P. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					P. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
Q. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					Q. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
R. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					R. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
S. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					S. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
T. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					T. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
U. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					U. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
V. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					V. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
W. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					W. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
X. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					X. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
Y. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					Y. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
Z. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					Z. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AA. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AA. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AB. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AB. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AC. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AC. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AD. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AD. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AE. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AE. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AF. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AF. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AG. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AG. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AH. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AH. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AI. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AI. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AJ. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AJ. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AK. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AK. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AL. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AL. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AM. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AM. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AN. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AN. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AO. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AO. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AP. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AP. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AQ. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AQ. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AR. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AR. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AS. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AS. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AT. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AT. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AU. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AU. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AV. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AV. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AW. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AW. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AX. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AX. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AY. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AY. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
AZ. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					AZ. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
BA. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					BA. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					
BB. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES TO BE RE–USED.					BB. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION MANAGEMENT TEAM FOR ACCESS, QUANTITY, TRANSPORTATION AND STORAGE OF THE EXIT SIGNS, LIGHTING FIXTURES					



1

2

3

4

5

6

7

8

9

10

GENERAL NOTES:

1. EVERYONE'S SAFETY IS ALWAYS THE TOP PRIORITY! BE RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE; INCLUDING, BUT NOT LIMITED TO, THE SAFETY OF ALL PERSONS AND PROPERTY DURING PROJECT PLANNING AND CONSTRUCTION, AND WORK THAT IS PERFORMED OUTSIDE OF NORMAL WORKING HOURS.

2. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER UPON DISCOVERY OF CONFLICTS, ADVERSE SITE CONDITIONS OR DISCREPANCIES. ALL QUESTIONS REGARDING THIS PROJECT AND THE CONSTRUCTION DOCUMENTS, INCLUDING THOSE ADDRESSED TO THE ENGINEER OF RECORD FOR VARIOUS CONDITIONS, SOME OF WHICH ARE LISTED FURTHER IN THE GENERAL NOTES, SHALL BE COORDINATED THROUGH THE CONSTRUCTION MANAGER BY FORMAL CONSTRUCTION ADMINISTRATION PROCESS.

3. THE LATEST EDITION OF THE OWNER'S AND OR ARCHITECT'S GENERAL, SPECIAL AND SUPPLEMENTARY CONDITIONS, ESPECIALLY SPECIFICATION SECTIONS OF CONSTRUCTION SPECIFICATION INSTITUTE'S (CSI) DIVISIONS 25, 26, 27, 28 AND 48, AS WELL AS SEPARATE SPECIFICATIONS OR PROJECT MANUALS REQUIRED FOR THIS PROJECT, AND THESE CONSTRUCTION DRAWINGS, TOGETHER AS A COMPLETE SET ARE A PART OF THE CONSTRUCTION DOCUMENTS; AND, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ATTAIN, INTERPRET AND COMPLETELY UNDERSTAND THE LATEST EDITIONS OF THESE CONSTRUCTION DOCUMENTS PRIOR TO ANY PROPOSAL, BID AND EXECUTION OF WORK. THIS INCLUDES CONSTRUCTION DOCUMENTS APPLICABLE TO OTHER DIVISIONS WHICH MAY INTERFERE OR OTHERWISE AFFECT THE WORK OF THE CONTRACTOR AND THEIR DISCIPLINE AND OR THEIR SUB-CONTRACTORS AND THEIR RESPECTIVE DISCIPLINES; THIS IS ESPECIALLY IMPORTANT TO COORDINATE FOR THE CONTRACTOR AND THEIR SUB-CONTRACTORS.

4. IF ANY CONSTRUCTION DOCUMENTS ARE UNCLEAR, THEN THE CONTRACTOR SHALL NOT PROCEED WITH ANY CONSTRUCTION AFFECTED BY THE PORTION OF THE CONSTRUCTION DRAWINGS IN QUESTION. INCONSISTENCIES AND OR DISCREPANCIES IN THE CONSTRUCTION DRAWINGS OR SPECIFICATIONS SHALL BE CLARIFIED WITH THE ENGINEER OF RECORD THROUGH FORMAL CONSTRUCTION ADMINISTRATION PROCESS IMMEDIATELY UPON DISCOVERY AND PRIOR TO INSTALLATION.

5. AFTER ACHIEVING A COMPLETE UNDERSTANDING OF THE CONSTRUCTION DOCUMENTS AND THE SCOPE OF THIS PROJECT, THE CONTRACTOR SHALL VISIT THE JOBSITE PRIOR TO SUBMITTING A FINAL PROPOSAL OR BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS, AND INFORM THE ENGINEER OF RECORD OF ANY ADVERSE CONDITIONS, CONFLICTS OR INCONSISTENCIES DISCOVERED WITH THE PLANNED WORK AS DESCRIBED BY THE CONSTRUCTION DOCUMENTS THROUGH FORMAL WRITTEN CONSTRUCTION ADMINISTRATION PROCESS.

6. THESE GENERAL NOTES AND THE MINIMAL REQUIREMENTS THEY DESCRIBE FOR ELECTRICAL WORK SHALL ENCOMPASS AND SHALL ALSO BE REQUIREMENTS TO SUB-DISCIPLINES OF ELECTRICAL WORK SUCH AS FIRE ALARM, SECURITY, COMMUNICATION, AND OTHER ELECTRICAL SPECIALTY TRADES. HOWEVER, IT SHALL BE NOTED THAT, THERE MAY BE ADDITIONAL SPECIFIC REQUIREMENTS IDENTIFIED BY THESE CONSTRUCTION DOCUMENTS FOR THAT SPECIFIC SUB-DISCIPLINE AND ARE LISTED UNDER THE RESPECTIVE CONSTRUCTION DOCUMENT SECTIONS RELEVANT TO THAT SUB-DISCIPLINE OR TRADE.

7. THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR DURING CONSTRUCTION. HOWEVER, THEY DO NOT COVER ALL POSSIBLE SCENARIOS AND THE DOCUMENTS USED TO MAKE UP THE OVERALL CONSTRUCTION DOCUMENTS COME FROM MULTIPLE SOURCES. IF ANY CONFLICTS OR CONTRADICTIONS EXIST BETWEEN SPECIFICATIONS, PROJECT MANUALS, CONSTRUCTION DRAWINGS OR ANY OTHER CONSTRUCTION DOCUMENTS, THEN THE STRICTER REQUIREMENT SHALL GOVERN AS DETERMINED BY THE ENGINEER OF RECORD FOR THE BENEFIT OF THE CLIENT UNDER OVERSIGHT BY THE A/E.

8. THE SCOPE OF WORK SHALL INCLUDE LABOR, MATERIALS, EQUIPMENT, TOOLS AND OTHER SERVICES REQUIRED FOR ALL NECESSARY DEMOLITION AND COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEMS AS INDICATED AND OR SPECIFIED BY THE CONSTRUCTION DOCUMENTS.

9. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DAMAGES INCURRED TO WALLS, FLOORS, CARPET, PAVEMENT, SIDEWALK, FENCES, CEILINGS AND OR OTHER SURFACES DURING CONSTRUCTION; AND THE CONTRACTOR SHALL PATCH, REPAIR, AND PAINT DAMAGED SURFACES TO RETURN THEM TO THEIR ORIGINAL CONDITION.

10. ELECTRICAL CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL JUNCTION BOXES, PULL BOXES, OFFSETS, BENDS, ELBOWS OR OTHER SPECIFIC ELEMENTS WHICH MAY BE REQUIRED FOR PROPER INSTALLATION. SIZE, LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT IN SOME CASES, SUCH AS LARGE SCALE SITE PLANS, ETC. NOT TO SCALE TO ENSURE OVERALL CLARITY.

11. CONTRACTOR SHALL MAINTAIN HEADROOM, AND KEEP OPENINGS, ACCESS AREAS, ACCESS HATCHES OR DOORS, PATHS OF EGRESS, AND PASSAGEWAYS CLEAR DURING ALL PERIODS OF CONSTRUCTION AND ENSURE THAT THE INSTALLED EQUIPMENT AND SYSTEMS DO NOT CREATE ANY OBSTRUCTION.

12. ALL MATERIAL AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED. EQUIPMENT SHALL BE LISTED, LABELED, AND INSTALLED PER A RECOGNIZED ELECTRICAL TESTING LABORATORY ADHERING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND THE MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS OF ANSI, NEMA & NBFU. CONTRACTOR SHALL REPLACE NONCOMPLIANT, DEFECTIVE AND OR DAMAGED MATERIALS AS DETERMINED BY THE ENGINEER OF RECORD FOR THE BENEFIT OF THE CLIENT UNDER OVERSIGHT BY THE A/E.

13. DEFINITIONS:

A. "FURNISH": SUPPLY AND DELIVER TO PROJECT SITE, UNLOAD, UNPACK AND ASSEMBLE, AND PUT IN PLACE.

B. "INSTALL": OPERATIONS AT PROJECT SITE INCLUDING, TEMPORARILY STORING, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.

C. "PROVIDE": FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

D. "SHALL": USED TO QUALIFY AN ACTION WHICH IS MANDATORY.

14. CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT DEVICES, RESTRAINTS AND APPURTENANCES INCLUDING HANGERS, ANCHORS, SLEEVES, INSERTS, SEALS, FOR ELECTRICAL EQUIPMENT AND SYSTEMS REQUIRING SUCH SEISMIC SUPPORT IN ACCORDANCE WITH STATE, COUNTY, CITY, AND LOCAL CODES. SEISMIC RESTRAINTS AND ATTACHMENTS FOR ELECTRICAL EQUIPMENT AND SYSTEM COMPONENTS SHALL BE PROVIDED IN ACCORDANCE WITH CBC AND SMACNA REQUIREMENTS, SEE RESPECTIVE STRUCTURAL CONSTRUCTION DRAWINGS FOR REQUIREMENTS. SEE EQUIPMENT ANCHORAGE AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES.

15. CONTRACTOR SHALL PROVIDE MEANS TO KEEP CONSTRUCTION MATERIALS SUCH AS CONDUITS, CONDUIT OR PIPE OPENINGS, SURFACE FINISHES, CABLES, ASSEMBLIES, FIXTURES, EQUIPMENT, CONDUCTORS, ETC. PROTECTED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATTER AND EXPOSURE TO THE ELEMENTS. CONTRACTOR SHALL RESTORE OR REPLACE ANY CONSTRUCTION MATERIALS THAT ARE DAMAGED BY NEGLECTING THESE MEANS.

16. CONTRACTOR SHALL DELIVER CONSTRUCTION MATERIALS TO THE CONSTRUCTION SITE AS REQUIRED; AND, THE CONTRACTOR SHALL ENSURE THE DELIVERED CONSTRUCTION MATERIAL IS PROPERLY PACKED, CRATED AND STORED ON SITE. COORDINATE STORAGE LOCATION WITH OWNER THROUGH CONSTRUCTION MANAGER.

17. UNDERTAKE THE WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY, EXCELLENT WORKMANSHIP AND SHALL MEET THE REQUIREMENTS OF, BUT NOT LIMITED TO, THE LATEST EDITION FOR THE FOLLOWING:

A. CALIFORNIA CODE OF REGULATIONS:

- TITLE 8 – INDUSTRIAL RELATIONS (ELEVATOR SAFETY ORDERS).

- TITLE 19 – PUBLIC SAFETY.

- TITLE 22 – SOCIAL SECURITY.

- TITLE 24 – CALIFORNIA BUILDING STANDARDS CODE, (PARTS 1, 2 (CALIFORNIA BUILDING CODE), 3 (CALIFORNIA ELECTRICAL CODE), 4, 5, 6 (CALIFORNIA ENERGY CODE), 7, 8, 9, 10 & 11).

B. CALIFORNIA STATE AND LOCAL FIRE MARSHAL.

C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

D. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).

E. INSTITUTE OF CABLE ENGINEERS ASSOCIATION (ICEA).

F. NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS FOR CONSTRUCTION (NECA).

G. UNDERWRITERS LABORATORIES, INC. (UL).

H. INSTRUMENT SOCIETY OF AMERICA (ISA).

I. NFPA 70E, 70, 72, 101, 110.

J. STATE INDUSTRIAL ACCIDENT COMMISSION.

K. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

L. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA).

M. ALL AMENDMENTS TO THE ITEMS ABOVE AS ADOPTED BY AUTHORITIES HAVING JURISDICTION.

18. CONTRACTOR SHALL SECURE AND PAY FOR PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING BUT NOT LIMITED TO, CHARGES BY STATE, COUNTY, CITY, AND LOCAL GOVERNMENT AND AGENCIES. OBTAIN REQUIRED CERTIFICATES OF INSPECTION FOR THE ELECTRICAL WORK AND DELIVER THE COMPLETED DOCUMENTS TO THE OWNER BEFORE REQUESTING ACCEPTANCE AND FINAL PAYMENT FOR WORK.

19. ALL DEMOLISHED MATERIALS SHALL BE DISPOSED OF PER STATE AND FEDERAL REGULATIONS BY CONTRACTOR AND OR THEIR SUB-CONTRACTORS. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL DISPOSAL FEES APPLICABLE TO THEIR TRADE.

20. CONTRACTOR SHALL CAREFULLY LAY OUT WORK IN ADVANCE TO AVOID UNNECESSARY CUTTING, CHANNELING, CHASING OR DRILLING OF FLOORS, WALLS, PARTITIONS, CEILINGS OR OTHER SURFACES. STRUCTURAL MEMBERS SHALL NOT BE CUT OR DRILLED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD AND OWNER. HOWEVER, WHERE SUCH WORK IS NECESSARY PROVIDE CUTTING, CORING AND PATCHING OF THE CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK, PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH, AND SHALL ACCURATELY MATCH SURROUNDING WORK. AFTER COMPLETION OF WORK, CLEAN UP RESULTANT DEBRIS AND REMOVE FROM SITE.

21. EQUIPMENT, ENCLOSURES, J-BOXES, GUTTERS, ETC., INSTALLED OUTDOORS OR SUBJECT TO WEATHER SHALL BE WEATHER PROOF AND UL LISTED FOR SUCH USE. RECEPTACLES INSTALLED OUTDOORS SHALL BE GFCI TYPE WITH "IN USE" TYPE WEATHERPROOF ENCLOSURES. GFCI TYPE RECEPTACLES LOCATED ON ROOF SHALL HAVE "IN USE" TYPE WEATHER PROOF ENCLOSURES, AND MUST BE LOCATED WITHIN 25' OF ROOF MOUNTED EQUIPMENT.

22. CONTRACTOR SHALL INSTALL EXPOSED CONDUITS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS AS MUCH AS POSSIBLE.

23. CONTRACTOR SHALL PROVIDE ELECTRICAL FINAL CONNECTIONS TO ELECTRICAL EQUIPMENT AND OUTLETS FOR A COMPLETE AND OPERABLE SYSTEM UNLESS OTHERWISE SPECIFICALLY NOTED ON THE RESPECTIVE CONSTRUCTION DRAWINGS.

24. PENETRATIONS OF FLOORS, ROOF, WALLS, AND WALL MEMBRANES REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL BE PROTECTED WITH THROUGH PENETRATION FIRE STOPS SUITABLE FOR THE METHOD OF PENETRATION. THROUGH PENETRATION FIRE STOPS SHALL BE TESTED IN ACCORDANCE WITH UL AND CBC REQUIREMENTS.

25. CONTRACTOR SHALL PROVIDE ENGRAVED LAMINATED PLASTIC NAMEPLATES FOR THE FOLLOWING EQUIPMENT INCLUDING BUT NOT LIMITED TO: METERS, PANELBOARDS, SWITCHBOARDS INCLUDING EACH INDIVIDUAL DEVICE OR PIECE OF EQUIPMENT WITHIN THE SWITCHBOARD, MOTOR CONTROL CENTERS (MCC) INCLUDING EACH DEVICE WITHIN THE MCC, ENCLOSED SWITCHES, STARTERS, CONTACTORS, CIRCUIT BREAKERS AND TRANSFORMERS.

26. EQUIPMENT SHALL BE BONDED AND GROUNDED IN ACCORDANCE WITH STATE, COUNTY, CITY, AND LOCAL CODES, APPLICABLE CODES AND JURISDICTIONS. REFER TO SPECIFICATIONS FOR DETAILS. ALL FEEDERS AND BRANCH CIRCUIT CONDUITS SHALL BE PROVIDED WITH AN INSULATED EQUIPMENT GROUNDING CONDUCTOR.

27. EQUIPMENT SHALL BE FULLY RATED FOR THE MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT, REFER TO FEEDER LOAD SUMMARY AND CALCULATIONS TABLES FOR VOLTAGE DROP AND AVAILABLE FAULT CURRENT VALUES. FEEDER LENGTHS SHOWN ARE ESTIMATES FOR CALCULATION PURPOSES ONLY. CONTRACTOR SHALL DETERMINE ACTUAL LENGTHS BASED ON ROUTING AND FIELD CONDITIONS.

28. CONTRACTOR AND THEIR SUB-CONTRACTORS SHALL BE LICENSED IN THE STATE OF CALIFORNIA AND WORKERS SHALL BE CERTIFIED IN ACCORDANCE WITH THE DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF APPRENTICESHIP STANDARDS AND CALIFORNIA LABOR CODE SECTION 3099.

29. CONTRACTOR SHALL PROVIDE ADDITIONAL HARDWARE FOR CONNECTION TO DEVICES WHICH LUGS THAT DO NOT ACCEPT OVERSIZED CONDUCTORS, WHICH MAY BE REQUIRED DUE TO VOLTAGE DROP CALCULATIONS OR DUE TO OTHER REASONS. CONTRACTOR SHALL SUBMIT SPECIFICATIONS OR PROPOSAL FOR THIS ADDITIONAL HARDWARE TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL.

30. WHERE THE CONDUCTOR SIZE IS NOT SPECIFIED, CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT CONDUCTORS SIZED SO THAT VOLTAGE DROP DOES NOT EXCEED 3% TO THE LAST DEVICE BASED ON OVERALL LENGTH OF CONDUCTORS.

31. WHERE NOT SPECIFIED, BRANCH CIRCUITS WITH MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT SHALL HAVE THEIR AMPACITY DERATED PER ELECTRICAL CODE SECTION 315(B)(2), AND BASED ON THIS, THE CONTRACTOR SHALL PROVIDE APPROPRIATELY SIZED CONDUCTORS AND CONDUITS.

32. POWER RECEPTACLES SHALL BE 20A RATED, HEAVY DUTY, UNLESS OTHERWISE NOTED.

33. ELECTRICAL BOXES FOR POWER RECEPTACLES OR DATA OUTLETS SHALL NOT BE INSTALLED IN A BACK TO BACK CONFIGURATION, BUT SHALL BE INSTALLED SEPARATED HORIZONTALLY BY A MINIMUM OF 18" IN NOT FIRE RATED WALLS, AND A MINIMUM OF 24" IN FIRE RATED WALLS. WHERE THESE SEPARATIONS ARE NOT POSSIBLE TO MAINTAIN, THE CONTRACTOR SHALL PROVIDE SOUND DEADENING, FIRE RATED PADS AROUND THE BOXES, AND SEAL ALL GAPS WITH APPROPRIATE FIRE RATED SEALANT.

34. 125 VOLT, 20 AMPERE RATED, SINGLE PHASE DUPLEX RECEPTACLES WITH GROUND FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE INSTALLED OUTDOORS, WITHIN 6 FEET OF A SINK OR WET EQUIPMENT OR OTHER SOURCE OF WATER, ELEVATOR MACHINE ROOMS AND PITs, KITCHENS, AND IN SURFACE METAL RACEWAYS OR ENCLOSURES. FEED THROUGH WIRING OF GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLES SHALL NOT BE PERMITTED, UNLESS NOTED OTHERWISE.

35. ALL POWER RECEPTACLES AND DATA OUTLETS SHALL BE MOUNTED 18" A.F.F. TO THE CENTER OF THE OUTLET BOX, UNLESS OTHERWISE NOTED.

36. POWDER ACTUATED FASTENERS ARE NOT PERMITTED FOR USE ON THIS PROJECT.

37. FOR EQUIPMENT THAT DOES NOT HAVE SPECIFIC STRUCTURAL CONSTRUCTION DRAWINGS, DETAILS AND OR CALCULATIONS, THE CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR CALIFORNIA BASED PROJECTS AND PROVIDE THE REQUIRED HARDWARE NECESSARY FOR A COMPLETE INSTALLATION. SEE EQUIPMENT ANCHORAGE AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES.

38. MINIMUM CONDUIT SIZE SHALL BE 3/4" STEEL, UNLESS OTHERWISE NOTED.

39. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.

40. EXECUTION OF WORK SHALL BE COORDINATED WITH ALL TRADES TO AVOID CONFLICTS AND/OR DELAYS.

41. WHEN NECESSARY ADJUST FIXTURE PLACEMENT TO FIELD CONDITIONS, NOTIFY ARCHITECT OF PROPOSED CHANGES.

42. ALL WIRE SHALL BE STRANDED COPPER WITH 75 DEG. THHN/THWN INSULATION, UNLESS OTHERWISE NOTED, OR REQUIRED BY CODE FOR SPECIAL SYSTEMS AND APPLICATIONS, SUCH AS FIRE ALARM AND COMMUNICATION, ETC.

43. STRUCTURAL INFORMATION SHOWN IN DETAILS SHALL BE FOR REFERENCE ONLY. VERIFY STRUCTURAL DETAILS WITH STRUCTURAL CONSTRUCTION DRAWINGS, DETAILS AND CALCULATIONS, AND REQUEST CLARIFICATION FROM STRUCTURAL ENGINEER AS NEEDED.

44. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER 24 HOURS PRIOR TO PLANNED INSPECTIONS.

45. SEE SPECIFICATION SECTION 26 08 00 (IF PROVIDED, OTHERWISE SEE RESPECTIVE DRAWINGS) FOR "TITLE 24" TESTING AND SYSTEM COMMISSIONING REQUIREMENTS.

46. COMPLETE, POST, SUBMIT, OR MAKE AVAILABLE TO THE ENFORCEMENT AGENCY AND BUILDING OWNER FOR ALL APPLICABLE INSPECTIONS, DOCUMENTATION IN ACCORDANCE WITH TITLE 24 PART 6 SECTION 120 AND 130 TO INCLUDE, BUT NOT BE LIMITED TO:

A. INSTALLATION CERTIFICATE(S) IN COMPLIANCE WITH CEC SECTION 110.9, 130.0–130.5, 140.6–150.0, 150.2 AND APPENDIX NA7.

B. CERTIFICATE(S) OF ACCEPTANCE FORMS. LIGHTING AND POWER SYSTEMS AND DEVICES SHALL BE TESTED AND FORMS MUST BE FILED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN TO MEET TITLE 24 PART 1 AND PART 6 REQUIREMENTS.

C. APPROPRIATE CERTIFICATE(S) OF COMPLIANCE AND A LIST OF THE FEATURES, MATERIALS, AND COMPONENTS INSTALLED IN THE BUILDING(S) SHALL BE DELIVERED TO THE OWNER WITH INSTRUCTIONS ON HOW TO OPERATE THEM EFFICIENTLY.

D. MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION.

E. COMMISSION SUBMITTALS AND REPORT.

47. CONTRACTOR SHALL DELIVER A COMPLETE AND ACCURATE SET OF RECORD DRAWINGS DEPICTING THE COMPLETE, FULLY FUNCTIONING, AND FINAL STATE OF THE INSTALLATION, SOMETIMES REFERRED TO AS AS-BUILT DRAWINGS BY INDUSTRY TERMINOLOGY, TO BUILDING OWNER WITHIN 90 DAYS OF RECEIVING FINAL OCCUPANCY PERMIT OR FINAL INSPECTION SIGNOFF FROM THE ENFORCING AGENCY AND OR AUTHORITY HAVING JURISDICTION. IF ANY ENERGY COMPLIANCE OR EFFICIENCY CHARACTERISTICS CHANGE, THROUGH MATERIAL SUBSTITUTION OR OTHERWISE, BEFORE FINAL CONSTRUCTION AND INSTALLATION, SUCH THAT THE BUILDING NO LONGER COMPLIES WITH TITLE 24, PART 6; THE BUILDING AND OR INSTALLATION MUST BE BROUGHT BACK INTO COMPLIANCE, AND THE CHANGE SHALL BE INDICATED ON AMENDED PLANS, SPECIFICATIONS, AND CERTIFICATE(S) OF COMPLIANCE BY ENGINEER OF RECORD AND SHALL BE RE-SUBMITTED TO THE ENFORCEMENT AGENCY AND OR AUTHORITY HAVING JURISDICTION FOR VERIFICATION AND SIGNOFF, AND RE-ACCEPTED BY CONTRACTOR FOR INSTALLATION, AND RE-CERTIFIED BY THIRD PARTY FOR COMPLIANCE.

48. SEE ADDITIONAL SPECIFICATIONS AND REQUIREMENTS ON E0.2.

EQUIPMENT ANCHORAGE NOTES:

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER RESPECTIVE MOUNTING DETAILS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE LATEST EDITION OF CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7–10 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.

3. MOVEABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 LBS. ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT OR RACEWAY.

1. COMPONENTS WEIGHING LESS THAN 400 LBS. AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

2. COMPONENTS WEIGHING LESS THAN 20 LBS., OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7–10 SECTION 13.3 AS DEFINED IN ASCE 7–10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND THE LATEST EDITION OF CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

PROFESSIONAL STAMP(S):  REGISTERED PROFESSIONAL ENGINEER  SURETY V. KOROBY  E20491  Exp: 09/30/25  ELECTRICAL  STATE OF CALIFORNIA  REV.  0  PERMIT SET  09/15/23  SVK  CHK. BY  REVISION/ISSUE DESCRIPTION										
PROJECT TITLE:  LANEY COMMUNITY COLLEGE  900 FALLON ST., OAKLAND, CA 94607  PROJECT OWNER:  PERALTA COMMUNITY COLLEGE DISTRICT  333 E. 8TH ST., OAKLAND, CA 94606  DRAWING TITLE:  ELECTRICAL GENERAL NOTES										
DATE:  02/23/2023										
SCALE:  AS NOTED										
DRAWN BY:  S. PAREDES										
JOB NO.  HLP2022--001										
SHEET NO.  REV.										
E0.3  0										

ANSI D (22.00 X 34.00 INCHES)

				SVK	CHK BY
			09/15/23	DATE	
			PERMIT SET	REVISION/ISSUE DESCRIPTION	
		0	REV.		

This document, and the information contained herein, are the sole property of the Prime Consultant, any use or modifications of this document, in whole or in part, without the written consent from the Prime Consultant is strictly prohibited.

PROFESSIONAL STAMP(S):

**Vektor** Engineering & Consulting Services, Inc.

*"Where engineering and technology drive innovation"*

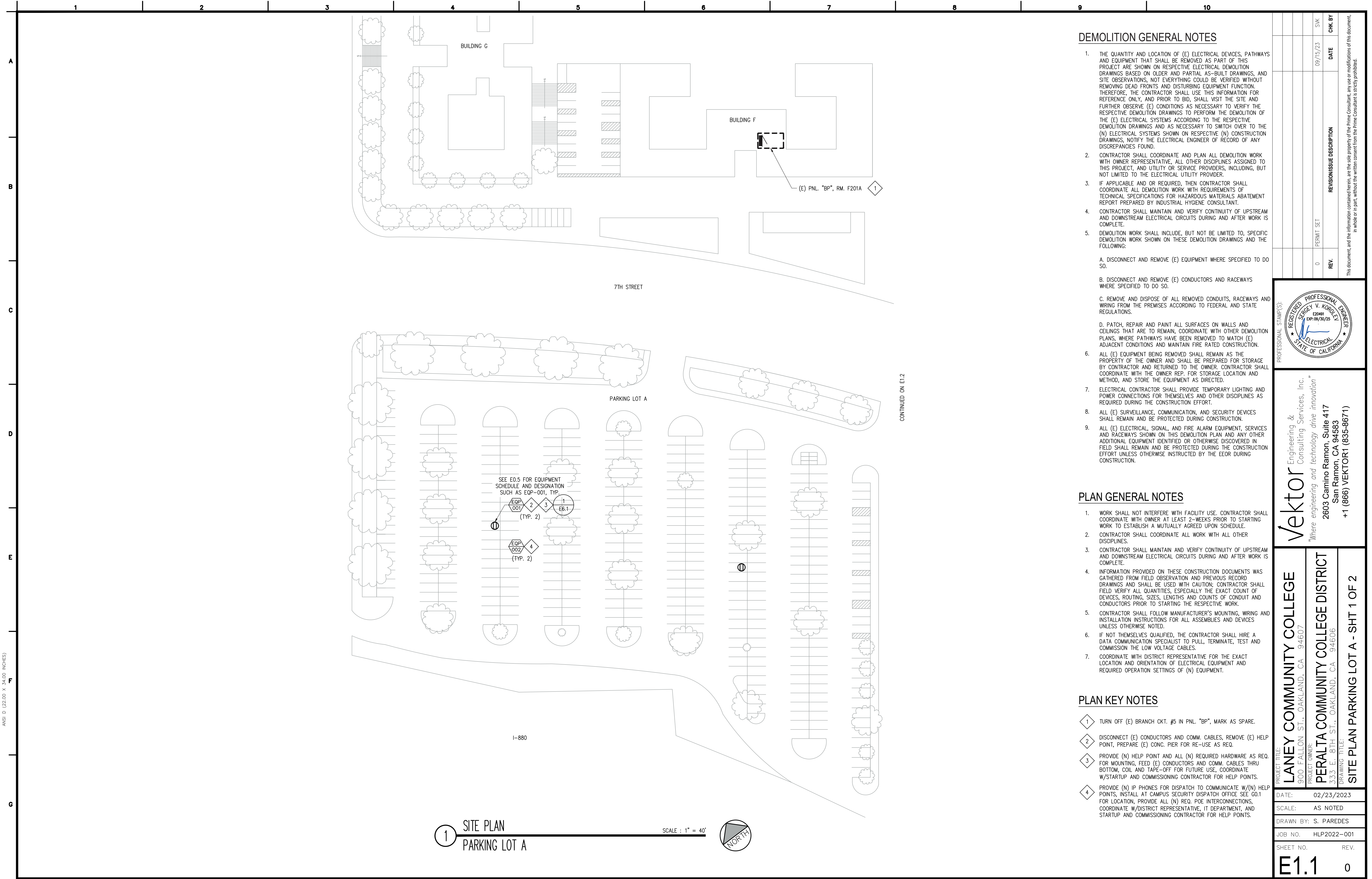
2603 Camino Ramon, Suite 417  
San Ramon, CA 94583  
+1 (866) VEKTOR1 (835-8671)

PROJECT TITLE: <b>LANEY COMMUNITY COLLEGE</b> 900 FALLON ST., OAKLAND, CA 94607 PROJECT OWNER: <b>PERALTA COMMUNITY COLLEGE DISTRICT</b> 333 E. 8TH ST., OAKLAND, CA 94606 DRAWING TITLE: <b>ELECTRICAL GENERAL NOTES</b>	DATE:	02/23/2023
	SCALE:	AS NOTED
	DRAWN BY:	S. PAREDES
	JOB NO.	HLP2022--001
	SHEET NO.	REV.
<b>E0.3</b>		0









DEMOLITION GENERAL NOTES

- 1. THE QUANTITY AND LOCATION OF (E) ELECTRICAL DEVICES, PATHWAYS AND EQUIPMENT THAT SHALL BE REMOVED AS PART OF THIS PROJECT ARE SHOWN ON RESPECTIVE ELECTRICAL DEMOLITION DRAWINGS BASED ON OLDER AND PARTIAL AS-BUILT DRAWINGS, AND SITE OBSERVATIONS, NOT EVERYTHING COULD BE VERIFIED WITHOUT REMOVING DEAD FRONTS AND DISTURBING EQUIPMENT FUNCTION. THEREFORE, THE CONTRACTOR SHALL USE THIS INFORMATION FOR REFERENCE ONLY, AND PRIOR TO BID, SHALL VISIT THE SITE AND FURTHER OBSERVE (E) CONDITIONS AS NECESSARY TO VERIFY THE RESPECTIVE DEMOLITION DRAWINGS TO PERFORM THE DEMOLITION OF THE (E) ELECTRICAL SYSTEMS ACCORDING TO THE RESPECTIVE DEMOLITION DRAWINGS AND AS NECESSARY TO SWITCH OVER TO THE (N) ELECTRICAL SYSTEMS SHOWN ON RESPECTIVE (N) CONSTRUCTION DRAWINGS, NOTIFY THE ELECTRICAL ENGINEER OF RECORD OF ANY DISCREPANCIES FOUND.
- 2. CONTRACTOR SHALL COORDINATE AND PLAN ALL DEMOLITION WORK WITH OWNER REPRESENTATIVE, ALL OTHER DISCIPLINES ASSIGNED TO THIS PROJECT, AND UTILITY OR SERVICE PROVIDERS, INCLUDING, BUT NOT LIMITED TO THE ELECTRICAL UTILITY PROVIDER.
- 3. IF APPLICABLE AND OR REQUIRED, THEN CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH REQUIREMENTS OF TECHNICAL SPECIFICATIONS FOR HAZARDOUS MATERIALS ABATEMENT REPORT PREPARED BY INDUSTRIAL HYGIENE CONSULTANT.
- 4. CONTRACTOR SHALL MAINTAIN AND VERIFY CONTINUITY OF UPSTREAM AND DOWNSTREAM ELECTRICAL CIRCUITS DURING AND AFTER WORK IS COMPLETE.
- 5. DEMOLITION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, SPECIFIC DEMOLITION WORK SHOWN ON THESE DEMOLITION DRAWINGS AND THE FOLLOWING:
  - A. DISCONNECT AND REMOVE (E) EQUIPMENT WHERE SPECIFIED TO DO SO.
  - B. DISCONNECT AND REMOVE (E) CONDUCTORS AND RACEWAYS WHERE SPECIFIED TO DO SO.
  - C. REMOVE AND DISPOSE OF ALL REMOVED CONDUITS, RACEWAYS AND WIRING FROM THE PREMISES ACCORDING TO FEDERAL AND STATE REGULATIONS.
  - D. PATCH, REPAIR AND PAINT ALL SURFACES ON WALLS AND CEILINGS THAT ARE TO REMAIN, COORDINATE WITH OTHER DEMOLITION PLANS, WHERE PATHWAYS HAVE BEEN REMOVED TO MATCH (E) ADJACENT CONDITIONS AND MAINTAIN FIRE RATED CONSTRUCTION.
- 6. ALL (E) EQUIPMENT BEING REMOVED SHALL REMAIN AS THE PROPERTY OF THE OWNER AND SHALL BE PREPARED FOR STORAGE BY CONTRACTOR AND RETURNED TO THE OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER REP. FOR STORAGE LOCATION AND METHOD, AND STORE THE EQUIPMENT AS DIRECTED.
- 7. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER CONNECTIONS FOR THEMSELVES AND OTHER DISCIPLINES AS REQUIRED DURING THE CONSTRUCTION EFFORT.
- 8. ALL (E) SURVEILLANCE, COMMUNICATION, AND SECURITY DEVICES SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- 9. ALL (E) ELECTRICAL, SIGNAL, AND FIRE ALARM EQUIPMENT, SERVICES AND RACEWAYS SHOWN ON THIS DEMOLITION PLAN AND ANY OTHER ADDITIONAL EQUIPMENT IDENTIFIED OR OTHERWISE DISCOVERED IN FIELD SHALL REMAIN AND BE PROTECTED DURING THE CONSTRUCTION EFFORT UNLESS OTHERWISE INSTRUCTED BY THE EEOB DURING CONSTRUCTION.

PLAN GENERAL NOTES

- 1. WORK SHALL NOT INTERFERE WITH FACILITY USE. CONTRACTOR SHALL COORDINATE WITH OWNER AT LEAST 2-WEEKS PRIOR TO STARTING WORK TO ESTABLISH A MUTUALLY AGREED UPON SCHEDULE.
- 2. CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER DISCIPLINES.
- 3. CONTRACTOR SHALL MAINTAIN AND VERIFY CONTINUITY OF UPSTREAM AND DOWNSTREAM ELECTRICAL CIRCUITS DURING AND AFTER WORK IS COMPLETE.
- 4. INFORMATION PROVIDED ON THESE CONSTRUCTION DOCUMENTS WAS GATHERED FROM FIELD OBSERVATION AND PREVIOUS RECORD DRAWINGS AND SHALL BE USED WITH CAUTION; CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES, ESPECIALLY THE EXACT COUNT OF DEVICES, ROUTING, SIZES, LENGTHS AND COUNTS OF CONDUIT AND CONDUCTORS PRIOR TO STARTING THE RESPECTIVE WORK.
- 5. CONTRACTOR SHALL FOLLOW MANUFACTURER'S MOUNTING, WIRING AND INSTALLATION INSTRUCTIONS FOR ALL ASSEMBLIES AND DEVICES UNLESS OTHERWISE NOTED.
- 6. IF NOT THEMSELVES QUALIFIED, THE CONTRACTOR SHALL HIRE A DATA COMMUNICATION SPECIALIST TO PULL, TERMINATE, TEST AND COMMISSION THE LOW VOLTAGE CABLES.
- 7. COORDINATE WITH DISTRICT REPRESENTATIVE FOR THE EXACT LOCATION AND ORIENTATION OF ELECTRICAL EQUIPMENT AND REQUIRED OPERATION SETTINGS OF (N) EQUIPMENT.

PLAN KEY NOTES

- 1 TURN OFF (E) BRANCH CKT. #5 IN PNL. "BP", MARK AS SPARE.
- 2 DISCONNECT (E) CONDUCTORS AND COMM. CABLES, REMOVE (E) HELP POINT, PREPARE (E) CONC. PIER FOR RE-USE AS REQ.
- 3 PROVIDE (N) HELP POINT AND ALL (N) REQUIRED HARDWARE AS REQ. FOR MOUNTING, FEED (E) CONDUCTORS AND COMM. CABLES THRU BOTTOM, COIL AND TAPE-OFF FOR FUTURE USE, COORDINATE W/STARTUP AND COMMISSIONING CONTRACTOR FOR HELP POINTS.
- 4 PROVIDE (N) IP PHONES FOR DISPATCH TO COMMUNICATE W/(N) HELP POINTS, INSTALL AT CAMPUS SECURITY DISPATCH OFFICE SEE G0.1 FOR LOCATION, PROVIDE ALL (N) REQ. POE INTERCONNECTIONS, COORDINATE W/DISTRICT REPRESENTATIVE, IT DEPARTMENT, AND STARTUP AND COMMISSIONING CONTRACTOR FOR HELP POINTS.

PROFESSIONAL STAMP(S):

Vektor Engineering & Consulting Services, Inc.  
"Where engineering and technology drive innovation"  
2603 Camino Ramon, Suite 417  
San Ramon, CA 94583  
+1 (866) VEKTOR1 (835-8671)

PROJECT TITLE:  
**LANEY COMMUNITY COLLEGE**  
900 FALLON ST., OAKLAND, CA 94607

PROJECT OWNER:  
**PERALTA COMMUNITY COLLEGE DISTRICT**  
333 E. 8TH ST., OAKLAND, CA 94606

DRAWING TITLE:  
**SITE PLAN PARKING LOT A - SHT 1 OF 2**

DATE: 02/23/2023

SCALE: AS NOTED

DRAWN BY: S. PAREDES

JOB NO. HLP2022-001

SHEET NO. REV.

E1.1

0

REVISION/ISSUE DESCRIPTION

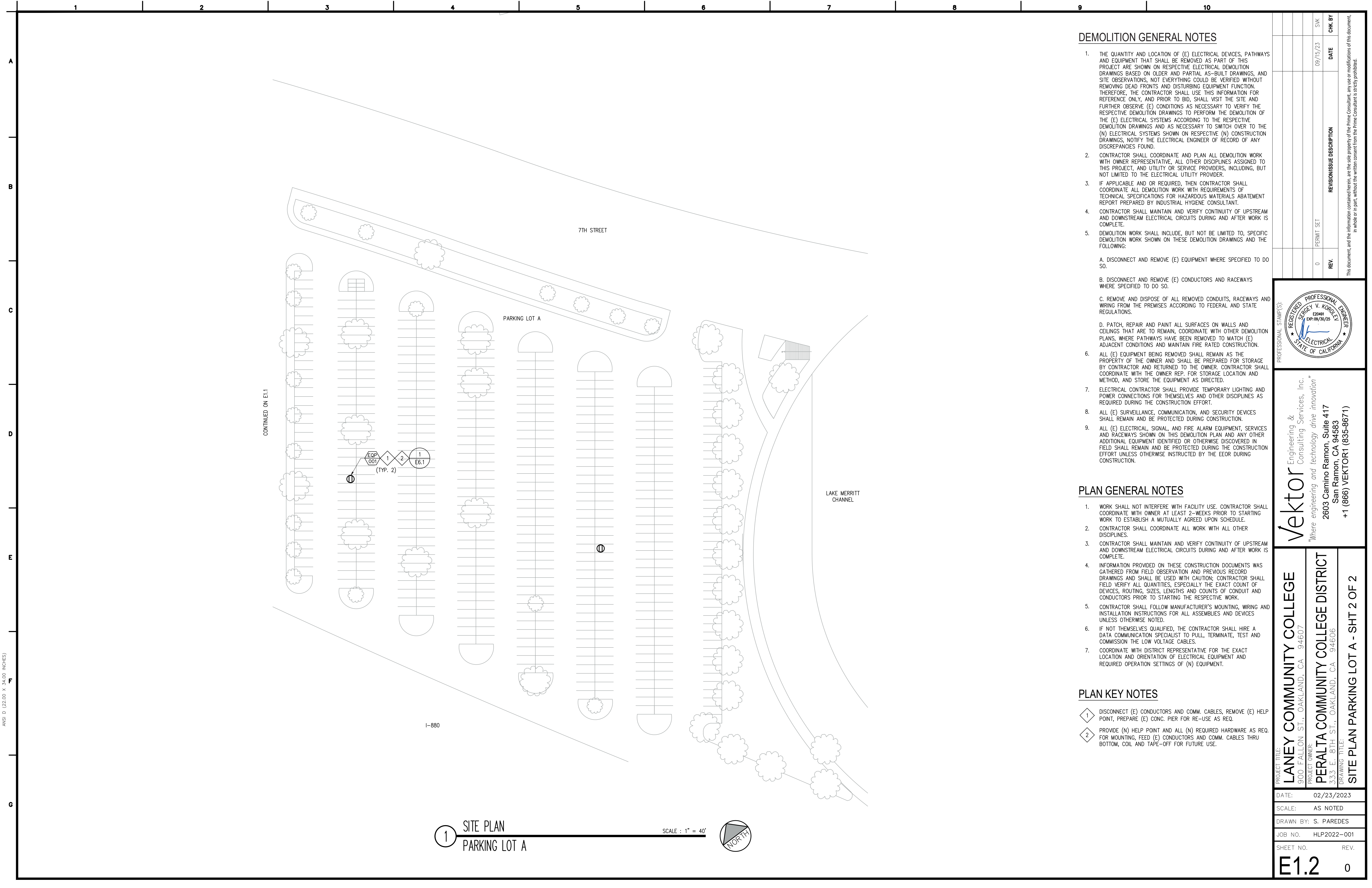
DATE

CHK BY

0	PERMIT SET	SVK	09/15/23	SVK
REV.				

This document, and the information contained herein, are the sole property of the Prime Consultant, any use or modifications of this document, in whole or in part, without the written consent from the Prime Consultant is strictly prohibited.





DEMOLITION GENERAL NOTES

- THE QUANTITY AND LOCATION OF (E) ELECTRICAL DEVICES, PATHWAYS AND EQUIPMENT THAT SHALL BE REMOVED AS PART OF THIS PROJECT ARE SHOWN ON RESPECTIVE ELECTRICAL DEMOLITION DRAWINGS BASED ON OLDER AND PARTIAL AS-BUILT DRAWINGS, AND SITE OBSERVATIONS, NOT EVERYTHING COULD BE VERIFIED WITHOUT REMOVING DEAD FRONTS AND DISTURBING EQUIPMENT FUNCTION. THEREFORE, THE CONTRACTOR SHALL USE THIS INFORMATION FOR REFERENCE ONLY, AND PRIOR TO BID, SHALL VISIT THE SITE AND FURTHER OBSERVE (E) CONDITIONS AS NECESSARY TO VERIFY THE RESPECTIVE DEMOLITION DRAWINGS TO PERFORM THE DEMOLITION OF THE (E) ELECTRICAL SYSTEMS ACCORDING TO THE RESPECTIVE DEMOLITION DRAWINGS AND AS NECESSARY TO SWITCH OVER TO THE (N) ELECTRICAL SYSTEMS SHOWN ON RESPECTIVE (N) CONSTRUCTION DRAWINGS, NOTIFY THE ELECTRICAL ENGINEER OF RECORD OF ANY DISCREPANCIES FOUND.
- CONTRACTOR SHALL COORDINATE AND PLAN ALL DEMOLITION WORK WITH OWNER REPRESENTATIVE, ALL OTHER DISCIPLINES ASSIGNED TO THIS PROJECT, AND UTILITY OR SERVICE PROVIDERS, INCLUDING, BUT NOT LIMITED TO THE ELECTRICAL UTILITY PROVIDER.
- IF APPLICABLE AND OR REQUIRED, THEN CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH REQUIREMENTS OF TECHNICAL SPECIFICATIONS FOR HAZARDOUS MATERIALS ABATEMENT REPORT PREPARED BY INDUSTRIAL HYGIENE CONSULTANT.
- CONTRACTOR SHALL MAINTAIN AND VERIFY CONTINUITY OF UPSTREAM AND DOWNSTREAM ELECTRICAL CIRCUITS DURING AND AFTER WORK IS COMPLETE.
- DEMOLITION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, SPECIFIC DEMOLITION WORK SHOWN ON THESE DEMOLITION DRAWINGS AND THE FOLLOWING:
  - DISCONNECT AND REMOVE (E) EQUIPMENT WHERE SPECIFIED TO DO SO.
  - DISCONNECT AND REMOVE (E) CONDUCTORS AND RACEWAYS WHERE SPECIFIED TO DO SO.
  - REMOVE AND DISPOSE OF ALL REMOVED CONDUITS, RACEWAYS AND WIRING FROM THE PREMISES ACCORDING TO FEDERAL AND STATE REGULATIONS.
  - PATCH, REPAIR AND PAINT ALL SURFACES ON WALLS AND CEILINGS THAT ARE TO REMAIN, COORDINATE WITH OTHER DEMOLITION PLANS, WHERE PATHWAYS HAVE BEEN REMOVED TO MATCH (E) ADJACENT CONDITIONS AND MAINTAIN FIRE RATED CONSTRUCTION.
- ALL (E) EQUIPMENT BEING REMOVED SHALL REMAIN AS THE PROPERTY OF THE OWNER AND SHALL BE PREPARED FOR STORAGE BY CONTRACTOR AND RETURNED TO THE OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER REP. FOR STORAGE LOCATION AND METHOD, AND STORE THE EQUIPMENT AS DIRECTED.
- ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER CONNECTIONS FOR THEMSELVES AND OTHER DISCIPLINES AS REQUIRED DURING THE CONSTRUCTION EFFORT.
- ALL (E) SURVEILLANCE, COMMUNICATION, AND SECURITY DEVICES SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- ALL (E) ELECTRICAL, SIGNAL, AND FIRE ALARM EQUIPMENT, SERVICES AND RACEWAYS SHOWN ON THIS DEMOLITION PLAN AND ANY OTHER ADDITIONAL EQUIPMENT IDENTIFIED OR OTHERWISE DISCOVERED IN FIELD SHALL REMAIN AND BE PROTECTED DURING THE CONSTRUCTION EFFORT UNLESS OTHERWISE INSTRUCTED BY THE EEOB DURING CONSTRUCTION.

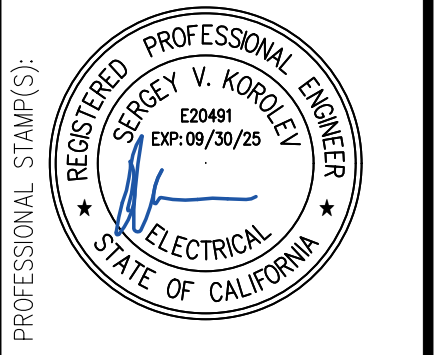
PLAN GENERAL NOTES

- WORK SHALL NOT INTERFERE WITH FACILITY USE. CONTRACTOR SHALL COORDINATE WITH OWNER AT LEAST 2-WEEKS PRIOR TO STARTING WORK TO ESTABLISH A MUTUALLY AGREED UPON SCHEDULE.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER DISCIPLINES.
- CONTRACTOR SHALL MAINTAIN AND VERIFY CONTINUITY OF UPSTREAM AND DOWNSTREAM ELECTRICAL CIRCUITS DURING AND AFTER WORK IS COMPLETE.
- INFORMATION PROVIDED ON THESE CONSTRUCTION DOCUMENTS WAS GATHERED FROM FIELD OBSERVATION AND PREVIOUS RECORD DRAWINGS AND SHALL BE USED WITH CAUTION; CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES, ESPECIALLY THE EXACT COUNT OF DEVICES, ROUTING, SIZES, LENGTHS AND COUNTS OF CONDUIT AND CONDUCTORS PRIOR TO STARTING THE RESPECTIVE WORK.
- CONTRACTOR SHALL FOLLOW MANUFACTURER'S MOUNTING, WIRING AND INSTALLATION INSTRUCTIONS FOR ALL ASSEMBLIES AND DEVICES UNLESS OTHERWISE NOTED.
- IF NOT THEMSELVES QUALIFIED, THE CONTRACTOR SHALL HIRE A DATA COMMUNICATION SPECIALIST TO PULL, TERMINATE, TEST AND COMMISSION THE LOW VOLTAGE CABLES.
- COORDINATE WITH DISTRICT REPRESENTATIVE FOR THE EXACT LOCATION AND ORIENTATION OF ELECTRICAL EQUIPMENT AND REQUIRED OPERATION SETTINGS OF (N) EQUIPMENT.

PLAN KEY NOTES

- DISCONNECT (E) CONDUCTORS AND COMM. CABLES, REMOVE (E) HELP POINT, PREPARE (E) CONC. PIER FOR RE-USE AS REQ.
- PROVIDE (N) HELP POINT AND ALL (N) REQUIRED HARDWARE AS REQ. FOR MOUNTING, FEED (E) CONDUCTORS AND COMM. CABLES THRU BOTTOM, COIL AND TAPE-OFF FOR FUTURE USE.

REVISION	DATE	DESCRIPTION
0	09/15/23	PERMIT SET
1		REV.



**Vektor** Engineering & Consulting Services, Inc.  
"Where engineering and technology drive innovation"  
2603 Camino Ramon, Suite 417  
San Ramon, CA 94583  
+1 (866) VEKTOR1 (835-8671)

PROJECT TITLE: <b>LANEY COMMUNITY COLLEGE</b> 900 FALLON ST., OAKLAND, CA 94607	PROJECT OWNER: <b>PERALTA COMMUNITY COLLEGE DISTRICT</b> 333 E. 8TH ST., OAKLAND, CA 94606
DRAWING TITLE: <b>SITE PLAN PARKING LOT A - SHT 2 OF 2</b>	
DATE:	02/23/2023
SCALE:	AS NOTED
DRAWN BY:	S. PAREDES
JOB NO.	HLP2022-001
SHEET NO.	REV.
<b>E1.2</b>	0





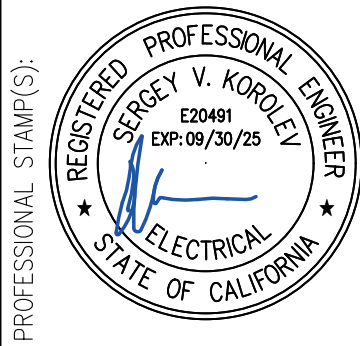
1. THE QUANTITY AND LOCATION OF (E) ELECTRICAL DEVICES, PATHWAYS AND EQUIPMENT THAT SHALL BE REMOVED AS PART OF THIS PROJECT ARE SHOWN ON RESPECTIVE ELECTRICAL DEMOLITION DRAWINGS BASED ON OLDER AND PARTIAL AS-BUILT DRAWINGS, AND SITE OBSERVATIONS, NOT EVERYTHING COULD BE VERIFIED WITHOUT REMOVING DEAD FRONTS AND DISTURBING EQUIPMENT FUNCTION. THEREFORE, THE CONTRACTOR SHALL USE THIS INFORMATION FOR REFERENCE ONLY, AND PRIOR TO BID, SHALL VISIT THE SITE AND FURTHER OBSERVE (E) CONDITIONS AS NECESSARY TO VERIFY THE RESPECTIVE DEMOLITION DRAWINGS TO PERFORM THE DEMOLITION OF THE (E) ELECTRICAL SYSTEMS ACCORDING TO THE RESPECTIVE DEMOLITION DRAWINGS AND AS NECESSARY TO SWITCH OVER TO THE (N) ELECTRICAL SYSTEMS SHOWN ON RESPECTIVE (N) CONSTRUCTION DRAWINGS, NOTIFY THE ELECTRICAL ENGINEER OF RECORD OF ANY DISCREPANCIES FOUND.
2. CONTRACTOR SHALL COORDINATE AND PLAN ALL DEMOLITION WORK WITH OWNER REPRESENTATIVE, ALL OTHER DISCIPLINES ASSIGNED TO THIS PROJECT, AND UTILITY OR SERVICE PROVIDERS, INCLUDING, BUT NOT LIMITED TO THE ELECTRICAL UTILITY PROVIDER.
3. IF APPLICABLE AND OR REQUIRED, THEN CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH REQUIREMENTS OF TECHNICAL SPECIFICATIONS FOR HAZARDOUS MATERIALS ABATEMENT REPORT PREPARED BY INDUSTRIAL HYGIENE CONSULTANT.
4. CONTRACTOR SHALL MAINTAIN AND VERIFY CONTINUITY OF UPSTREAM AND DOWNSTREAM ELECTRICAL CIRCUITS DURING AND AFTER WORK IS COMPLETE.
5. DEMOLITION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, SPECIFIC DEMOLITION WORK SHOWN ON THESE DEMOLITION DRAWINGS AND THE FOLLOWING:
  - A. DISCONNECT AND REMOVE (E) EQUIPMENT WHERE SPECIFIED TO DO SO.
  - B. DISCONNECT AND REMOVE (E) CONDUCTORS AND RACEWAYS WHERE SPECIFIED TO DO SO.
  - C. REMOVE AND DISPOSE OF ALL REMOVED CONDUITS, RACEWAYS AND WIRING FROM THE PREMISES ACCORDING TO FEDERAL AND STATE REGULATIONS.
  - D. PATCH, REPAIR AND PAINT ALL SURFACES ON WALLS AND CEILINGS THAT ARE TO REMAIN, COORDINATE WITH OTHER DEMOLITION PLANS, WHERE PATHWAYS HAVE BEEN REMOVED TO MATCH (E) ADJACENT CONDITIONS AND MAINTAIN FIRE RATED CONSTRUCTION.
6. ALL (E) EQUIPMENT BEING REMOVED SHALL REMAIN AS THE PROPERTY OF THE OWNER AND SHALL BE PREPARED FOR STORAGE BY CONTRACTOR AND RETURNED TO THE OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER REP. FOR STORAGE LOCATION AND METHOD, AND STORE THE EQUIPMENT AS DIRECTED.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER CONNECTIONS FOR THEMSELVES AND OTHER DISCIPLINES AS REQUIRED DURING THE CONSTRUCTION EFFORT.
8. ALL (E) SURVEILLANCE, COMMUNICATION, AND SECURITY DEVICES SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
9. ALL (E) ELECTRICAL, SIGNAL, AND FIRE ALARM EQUIPMENT, SERVICES AND RACEWAYS SHOWN ON THIS DEMOLITION PLAN AND ANY OTHER ADDITIONAL EQUIPMENT IDENTIFIED OR OTHERWISE DISCOVERED IN FIELD SHALL REMAIN AND BE PROTECTED DURING THE CONSTRUCTION EFFORT UNLESS OTHERWISE INSTRUCTED BY THE EEOB DURING CONSTRUCTION.

1. WORK SHALL NOT INTERFERE WITH FACILITY USE. CONTRACTOR SHALL COORDINATE WITH OWNER AT LEAST 2-WEEKS PRIOR TO STARTING WORK TO ESTABLISH A MUTUALLY AGREED UPON SCHEDULE.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER DISCIPLINES.
3. CONTRACTOR SHALL MAINTAIN AND VERIFY CONTINUITY OF UPSTREAM AND DOWNSTREAM ELECTRICAL CIRCUITS DURING AND AFTER WORK IS COMPLETE.
4. INFORMATION PROVIDED ON THESE CONSTRUCTION DOCUMENTS WAS GATHERED FROM FIELD OBSERVATION AND PREVIOUS RECORD DRAWINGS AND SHALL BE USED WITH CAUTION. CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES, ESPECIALLY THE EXACT COUNT OF DEVICES, ROUTING, SIZES, LENGTHS AND COUNTS OF CONDUIT AND CONDUCTORS PRIOR TO STARTING THE RESPECTIVE WORK.
5. CONTRACTOR SHALL FOLLOW MANUFACTURER'S MOUNTING, WIRING AND INSTALLATION INSTRUCTIONS FOR ALL ASSEMBLIES AND DEVICES UNLESS OTHERWISE NOTED.
6. IF NOT THEMSELVES QUALIFIED, THE CONTRACTOR SHALL HIRE A DATA COMMUNICATION SPECIALIST TO PULL, TERMINATE, TEST AND COMMISSION THE LOW VOLTAGE CABLES.
7. COORDINATE WITH DISTRICT REPRESENTATIVE FOR THE EXACT LOCATION AND ORIENTATION OF ELECTRICAL EQUIPMENT AND REQUIRED OPERATION SETTINGS OF (N) EQUIPMENT.

- 8 PROVIDE (N) HANDHOLE COVER W/0.125" THICK AL PLATE CUT TO FIT HANDHOLE OPENING, SPOT WELD AT EACH SIDE DO NOT EXCEED 1" BEAD LENGTH EA.
- 9 REMOVE AND BYPASS (E) GFCI PROTECTION AT (E) J-BOX.
- 10 REPLACE (E) BRANCH CIRCUIT OCDP BY PROVIDING (N) EQUIVALENT GFCI OCDP, ASSUME 20A RATED OCDP.
- 11 MODIFY AND OR REPLACE (E) CONC. SLAB AS REQ. BY PROVIDING SECTIONS OF (N), V.I.F., SEE E6.2 FOR PRELIM SHOP DWGS.
- 12 PROVIDE NON-DESTRUCTIVE GROUND PENETRATING RADAR SCAN AND PROVIDE REPORT CLEARLY IDENTIFYING ROUTES, SIZE AND DEPTH OF ALL (E) U.G. UTILITIES TO EFOR, ADJUST PLANNED (N) CONDUIT ROUTES AND DEPTH ACCORDINGLY.
- 13 PROVIDE (N) GROUND ROD IN (N) IN-GRADE ENC., PROVIDE (N) GEC TO (E) LTG. POLE W/#B BARE COPPER AND (N) IPC W/#2 AWG BARE COPPER, ROUTE INSIDE (N) CONDUITS.
- 14 PROVIDE (N) GROUND ROD IN (N) IN-GRADE ENC., PROVIDE (N) GEC TO (E) LTG. POLE W/#B BARE COPPER, ROUTE INSIDE (N) & (E) CONDUITS.

- 1 PROVIDE (N) IPC, RE-USE (E) FEEDER FROM (E) DIST. PNL. "BP" LOCATED IN XFMR. RM. B140, SEE SHEET G0.1 FOR LOCATION.
- 2 REMOVE (E) CAMERA, (E) MESH ACCESS POINT, AND ALL (E) INTERCONNECTIONS AND ALL (E) HARDWARE, COORDINATE WITH DISTRICT REPRESENTATIVE FOR STORAGE METHOD AND LOCATION. ALL (E) EQUIPMENT TO BE RE-USED AFTER INSTALLATION. REMOVE AND REMOVE AND BYPASS (E) GFCI PROTECTION AT (E) J-BOX.
- 3 PROVIDE (N) IN-GRADE ENCLOSURE, 3'-0" MAX. AWAY FROM (E) LIGHT POLE, ROUTE (N) LIGHTING BRANCH CIRCUIT THRU TO (E) POLE.
- 4 PROVIDE (N) LIGHTING BRANCH CIRCUIT, ROUTE IN TRENCH.
- 5 PROVIDE (N) IT BRANCH CIRCUIT, ROUTE IN TRENCH W/(N) LIGHTING BRANCH CIRCUIT.
- 6 PROVIDE (N) POLE, REPLACE (N) HANDHOLE COVER W/0.125" THICK AL PLATE CUT TO FIT HANDHOLE OPENING, SPOT WELD AT EACH SIDE DO NOT EXCEED 1" BEAD LENGTH EA. INSTALL ALL (E) IT EQUIPMENT THAT WAS REMOVED, PROVIDE ANY (N) REPLACEMENT HARDWARE AS REQ. FOR A FULLY FUNCTIONING SYSTEM.
- 7 INTERCONNECT (N) IT BRANCH CIRCUIT TO (E) PNL. "A1", ROUTE IN TRENCH UNDER (E) DECK. REMOVE & REP. DECK SECT. AS REQ.

SCALE : 1" = 20'

[illegible]

**vektor** Engineering & Consulting Services, Inc.  
*"Where engineering and technology drive innovation"*  
2603 Camino Ramon, Suite 417  
San Ramon, CA 94583  
+1 (866) VEKTOR1 (835-8671)

PROJECT TITLE:  
**LANEY COMMUNITY COLLEGE**  
900 FALLON ST., OAKLAND, CA 94607

PROJECT OWNER:  
**PERALTA COMMUNITY COLLEGE DISTRICT**  
333 E. 8TH ST., OAKLAND, CA 94606

DRAWING TITLE:  
SITE PLAN B.E.S.T. CENTER & EAGLE VILLAGE

DATE:	02/23/2023
SCALE:	AS NOTED
DRAWN BY:	S. PAREDES
JOB NO.	HLP2022-00
SHEET NO.	REV
<b>E1.3</b>	0

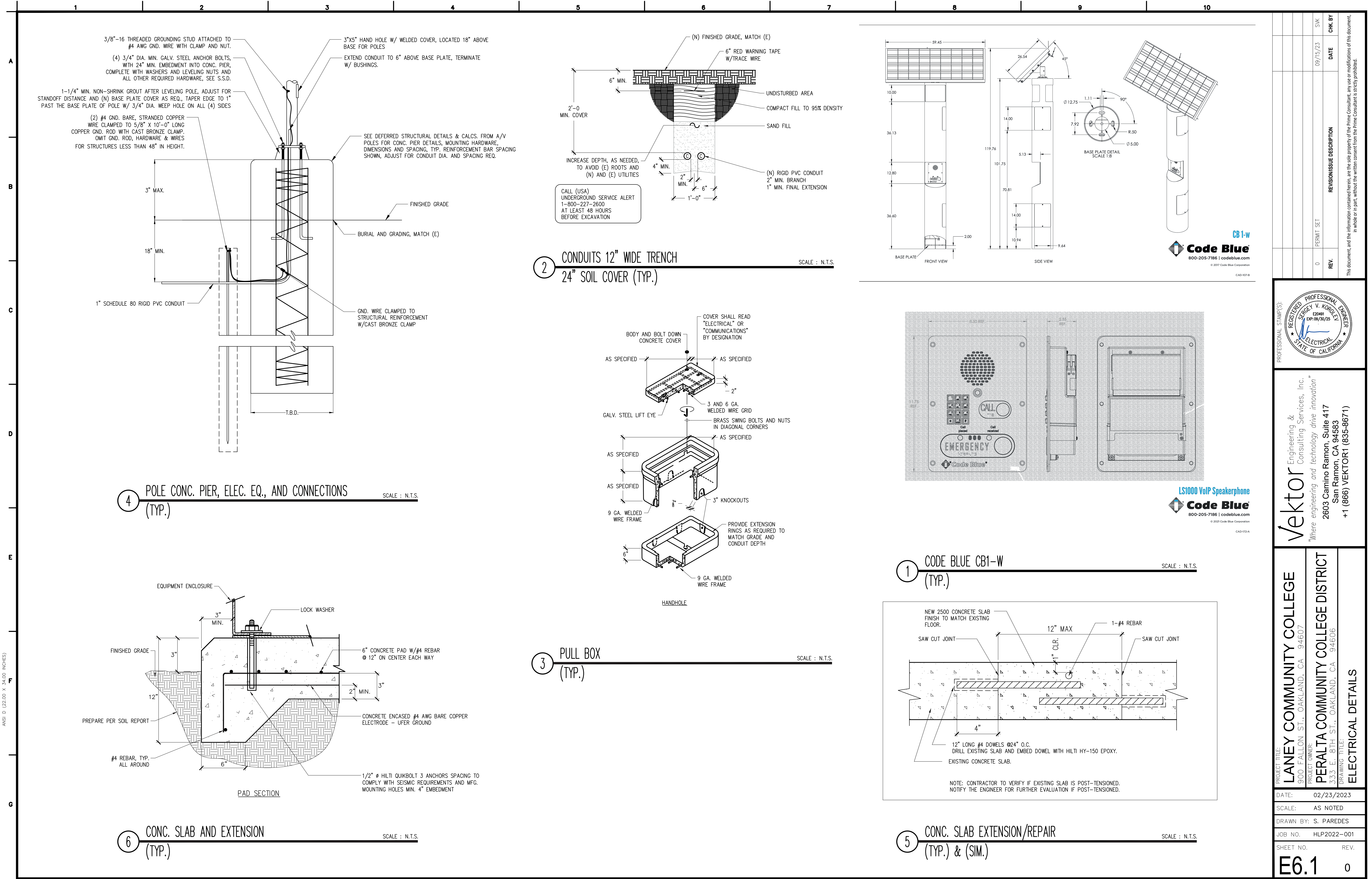




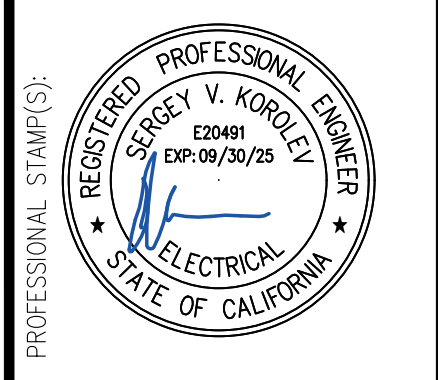








REV.	DESCRIPTION	DATE	CHK BY
0	PERMIT SET	09/15/23	SVK
1	REV.		



**Vektor** Engineering & Consulting Services, Inc.  
"Where engineering and technology drive innovation"  
2603 Camino Ramon, Suite 417  
San Ramon, CA 94583  
+1 (866) VEKTOR1 (835-8671)

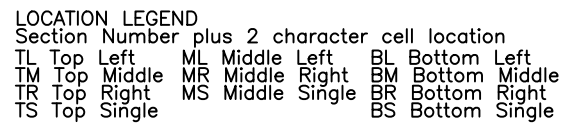
PROJECT TITLE: <b>LANEY COMMUNITY COLLEGE</b> 900 FALLON ST., OAKLAND, CA 94607	PROJECT OWNER: <b>PERALTA COMMUNITY COLLEGE DISTRICT</b> 333 E. 8TH ST., OAKLAND, CA 94606
DRAWING TITLE: <b>ELECTRICAL DETAILS</b>	

DATE:	02/23/2023
SCALE:	AS NOTED
DRAWN BY:	S. PAREDES
JOB NO.	HLP2022-001
SHEET NO.	REV.

**E6.1** 0

This document, and the information contained herein, are the sole property of the Prime Consultant, any use or modification of this document, in whole or in part, without the written consent from the Prime Consultant is strictly prohibited.





FROM  
480V225MB42CKT

480V

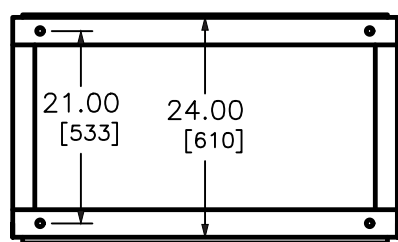
H1 H2 H3

1BS  
FDT  
2BS  
3BS

X1 X2 X3

TO  
LOAD

NO  
PH



NOTE: THESE ARE PRELIMINARY SHOP DRAWINGS AND SHALL BE REFINED THROUGH SUBMITTAL PROCESS AND ADAPTED TO SITE CONDITIONS, V.I.F. AND COORDINATE W/DESIGN TEAM.

LOCATION LEGEND      LINEUP NAMEPLATE— 75KVA/480V225MB/208225MB

Location Number plus 2 character cell location	
TL Top Left    ML Middle Left    BL Bottom Left	
TM Top Middle    MR Middle Right    BM Bottom Middle	WHITE SURFACE
TR Top Right    MS Middle Single    BR Bottom Right	BLACK LETTERS
TS Top Single    BS Bottom Single	

SCALE : N.T.S.