













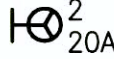







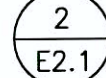







ENGRAVED NAMEPLATE FOR ELECTRICAL EQUIPMENT
SCALE: NONE

NOTE: UNLESS OTHERWISE NOTED FIXTURE VOLTAGE IS 120 VOLTS

SYMBOL	FIRE ALARM
 M1	MANUAL PULL STATION, WALL MOUNTED 48" AFF TO CENTERLINE OF STATION M1 = INDICATES DEVICE ADDRESS
 H1	COMBINATION HORN AND STROBE NOTIFICATION APPLIANCE WALL MOUNTED 80" AFF TO BOTTOM OF STROBE H1 = INDICATES DEVICE ADDRESS
 V1	STROBE NOTIFICATION APPLIANCE WALL MOUNTED 80" AFF TO BOTTOM OF STROBE V1 = INDICATES DEVICE ADDRESS
 D1	SPACE SMOKE DETECTOR, CEILING MOUNTED D1 = INDICATES DEVICE ADDRESS
 D2	HEAT DETECTOR, CEILING MOUNTED D2 = INDICATES DEVICE ADDRESS
 D3	DUCT MOUNTED SMOKE DETECTOR D3 = INDICATES DEVICE ADDRESS
 D-m	DUCT MOUNTED SMOKE DETECTOR WITH AIR SAMPLING PROBES, NEMA 3R CABINET FOR OUTDOOR LOCATION
 FACP	FIRE ALARM CONTROL PANEL WALL MOUNTED 72" AFF
 FAP	FIRE ALARM ANNUNCIATOR PANEL WALL MOUNTED 66" AFF
 MH	MAGNETIC DOOR HOLDER, WALL MOUNTED 6" BELOW THE TOP OF DOOR. PROVIDE RELAY MODULE WITHIN 3 FEET OF DOOR HOLDER.

SYMBOL	WIRING DEVICES
	DUPLEX RECEPTACLE, HALF-SWITCHED, 20A, 125V, 2-POLE, 3-WIRE GROUNDING, WALL MOUNTED 18" AFF UON
	DUPLEX RECEPTACLE, 20A, 125V, 2-POLE, 3-WIRE GROUNDING, WALL MOUNTED 18" AFF UON SUBSCRIPTS INDICATE
	15 = CIRCUIT NUMBER '15' C = MOUNTED 9" ABOVE COUNTER G, GFI = WITH GROUND FAULT INTERRUPTER D = DEDICATED CIRCUIT (USE 20A RECEPTACLE)
	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2-POLE, 3-WIRE GROUNDING, WALL MOUNTED 18" AFF UON
	D = DEDICATED CIRCUIT (USE 20A RECEPTACLE)
	DUPLEX RECEPTABLES, FLUSH FLOOR MOUNTED, POKE-THRU FIRE RATED FITTING WITH FLEX CONDUIT TO WORK STATION.
	SPECIAL PURPOSE SINGLE RECEPTACLE, RATING AS SHOWN, WALL MOUNTED 18" AFF UON
	SUBSCRIPTS INDICATE 2 = CIRCUIT NUMBER 20A = 20 AMPERE, 208V, 2-POLE, 3-WIRE GROUNDING, STRAIGHT BLADE, NEMA 6-20R
	SWITCH, TOGGLE TYPE, 15A, 125/277V, 1-POLE, WALL MOUNTED 48" AFF UON
	SUBSCRIPTS INDICATE a = CONTROLS OUTLET 'a' 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH P = WITH PILOT LIGHT WP = WEATHERPROOF TYPE
	OCCUPANCY SENSOR, WALL MOUNTED +48".
	MULTIPLE SWITCHES IN COMMON OUTLET BOX, WALL MOUNTED 48" AFF UON, NOTE: WHERE SWITCH IS SHOWN THAT IS SUPPLIED FROM STAND-BY OR EMERGENCY – PROVIDE WITH OWN OUTLET BOX.
	SWITCH WITH THERMAL OVERLOAD DEVICE, WALL MOUNTED 48" AFF UON
	LOW VOLTAGE SWITCH WALL MOUNTED 48" AFF UON
	CILING MOUNTED MOTION OCCUPANCY SENSOR WITH RELAY PACK FOR LIGHTING

SYMBOL	MISCELLANEOUS
	EQUIPMENT IDENTIFICATION (EXHAUST FAN NO. 1)
	DETAIL OR SECTION SHEET NUMBER
	NORTH ARROW (REFERENCE)
	KEYED NOTE
	OUTLET BOX FOR CARD READER, WALL MOUNTED 48" AFF
	DOOR POSITION SWITCH, SEE DETAIL 6 ON E502
	DOOR PROP ALARM

ABBREVIATIONS	
A	AMPERE
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
CO	CONDUIT ONLY
CPT	CONTROL POWER TRANSFORMER
CSFM	CALIFORNIA STATE FIRE MARSHAL
(E)	EXISTING
FA	FIRE ALARM
G	GROUND
H—O—A	HAND-OFF—AUTO
HP	HORSEPOWER
KCMIL	THOUSAND CIRCULAR MILS
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NL	NIGHT LIGHT
NO.	NUMBER
(N)	NEW
P	POLE
ø	PHASE
	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMPERE
W	WIRE


DRAWING INDEX	
E001	ELECTRICAL – LEGEND, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE AND DRAWING INDEX
E100	ELECTRICAL – SITE PLAN
E200	ELECTRICAL – BUILDING 22 GROUND FLOOR PLAN, FIRE ALARM
E201	ELECTRICAL – BUILDING 22 SECOND FLOOR PLAN, FIRE ALARM
E202	ELECTRICAL – BUILDING 22 FIRE ALARM RISER DIAGRAM
E300	ELECTRICAL – BUILDING 22 GROUND FLOOR PLAN, LIGHTING
E301	ELECTRICAL – BUILDING 22 SECOND FLOOR PLAN, LIGHTING
E400	ELECTRICAL – BUILDING 22 GROUND FLOOR PLAN, POWER AND COMMUNICATIONS
E401	ELECTRICAL – BUILDING 22 SECOND FLOOR PLAN, POWER AND COMMUNICATIONS
E501	ELECTRICAL – NEW POWER ONE LINE DIAGRAM
E502	ELECTRICAL – CABLE TV AND TELE-DATA RISER DIAGRAM

GENERAL NOTES

- 61 PLANS ARE PREPARED WITH REQUIRED BRANCH CIRCUITS INDICATED BY CIRCUIT NUMBER. PROVIDE AND INSTALL ALL CONDUITS, BOXES, MISCELLANEOUS FITTINGS FOR A COMPLETE AND OPERABLE SYSTEM (HOMERUN SHOWN). BRANCH CIRCUIT INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND NATIONAL ELECTRICAL CODE.
- 62 CONCEALED CONDUIT ROUTING SHOWN IS ESSENTIALLY DIAGRAMATIC. CONTRACTOR SHALL LAY OUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES AND OTHER TRADES. ANY EXPOSED CONDUIT ROUTING (EXCEPT IN MECHANICAL ROOMS AND EQUIPMENT ROOMS) SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- 63 INSTALL AND CONNECT A CIRCULATED INSULATED COPPER GROUNDING CONDUCTOR IN ALL CONDUITS, BRANCH CIRCUITS AND FEEDERS. INCREASE CONDUIT SIZE WHEN REQUIRED TO INCLUDE THIS WIRE. THESE GROUNDING CONDUCTORS ARE NOT INDICATED ON THE PLANS. ANY CHANGES IN SIZES SHALL BE APPROVED BY ENGINEER.
- 64 MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE. U.O.N. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- 65 ALL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC OF THE FIRE STOP. ASTM-E-814. PROVIDE A UL THROUGH PENETRATION FIRE STOP SYSTEM NUMBER PER UL FIRE RESISTANCE DIRECTORY. PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 66 CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, RECEPTACLES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
- 67 CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, HORNS, FIRE ALARMS, DEVICES, RECEPTACLES ETC. WITH CABINETS, FURNITURE, EQUIPMENT ETC. TO AVOID CONFLICT. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF WALL MOUNTED DEVICES.
- 68 ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE, NEMA 3R.
- 69 SPECIAL RECEPTACLES CONFIGURATION SHALL BE COORDINATED WITH OWNER AND EQUIPMENT MANUFACTURER.

REGISTERED PROFESSIONAL ENGINEER
 ANSELITO E. MAGALLANO
 No. E11374
 Exp. Dec. 31, 2013
 ELECTRICAL
 STATE OF CALIFORNIA

Drawing Title	LEGENDS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE, AND DRAWING INDEX
Scale:	NONE
Approved: Project Director	

Project Title VA Medical Center Seismic Replacement And Retrofit			Project Number 2941-001-00		Office of Facilities Management
Location San Francisco, CA			Building Number 22		
Drawing Number E001			 Department of Veterans Affairs		
Date 10 / 22 / 2012	Checked AEM	Drawn BAC			