



FIXTURE SCHEDULE (1)								
FIXTURE CALLOUT (2-A-100) DENOTES: 2 = CIRCUIT NUMBER, A = FIXTURE TYPE, 100 = FIXTURE WATTAGE (INCLUDING BALLAST WHERE APPLICABLE). ALL 48" FLUORESCENT LAMPS SHALL BE SUPER TB, WITH A COLOR TEMPERATURE OF 4000K AND A COLOR RENDERING INDEX OF 90 MINIMUM - G.E. OR EQUAL. ALL FILAMENT LAMPS SHALL BE INSIDE FROSTED, 120V - G.E. OR EQUAL. ALL FLUORESCENT BALLASTS SHALL BE SOLID STATE ELECTRONIC TYPE WITH REDUCED HARMONICS, ADVANCE HIGH EFFICIENCY (14-TI BALLAST FACTOR) OR EQUAL. ALL HIGH INTENSITY DISCHARGE BALLASTS SHALL BE HIGH POWER FACTOR, REGULATED TYPE. REFER TO DIVISION 16 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.								
TYPE	WATTAGE	LAMPS	VOLTAGE	MOUNTING	DESCRIPTION	MANUFACTURER	CATALOG #	NOTES
A	48	2-F032 TB	120	SURFACE	1' X 4' SURFACE MOUNTED FLUORESCENT	METALUX	MCA-232-A125-INV-EBB1	(2)
B	33	2-F011 TB	120	SURFACE	1' X 2' SURFACE MOUNTED FLUORESCENT	METALUX	CR-211-A-INV-EBB1	(2)
S	64	2-32W 4 PIN CFL	120	SURFACE	SURFACE MOUNTED WALL PAK	COOPER	WKP-64-CF-E-W-FL-BZ-EM	(2)
X	5	PER MFG. RECOMM.	120	SURFACE	ILLUMINATED EXIT SIGN WITH EMERGENCY BATTERY BACK UP SYSTEM	COOPER	LPXTSD	

**LIGHTING MANDATORY MEASURES: NONRESIDENTIAL LTG-MM**

Indoor Lighting Measures	
§131(d): Shut-Off Controls	1. For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of §119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting. 2. Override for Building Lighting Shut-off: The automatic building shut-off system is provided with a manual, accessible override switch within sight of the lights. The area of override is not to exceed 5000 square feet.
§119(h): Automatic Control Devices Certified:	All automatic control devices specified are certified, all alternate shall be certified and installed as directed by the manufacturer.
§111: Fluorescent Ballast and Luminaires Certified:	All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
§131(a): Individual Room/Area Control:	Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
§131(b): Uniform for Individual Rooms:	All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting load shall be controlled with bi-level switching for uniform reduction of the lighting within the room.
§131(c): Daylight Area Control:	All rooms with windows and skylights that are greater than 250 square feet and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylight area controlled by a separate switch; or the effective use of daylighting cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of the year is included on the plans.
§131(a): Display lighting:	Display lighting shall be separately switch on circuits that are 20 amps or less.
Outdoor Lighting Measures	
§130(c)1:	Mandatory lighting power determination for medium base sockets without permanently installed ballasts.
§132(a):	All permanently installed luminaires with rated over 100 watts either have a lamp efficacy of at least 60 lumens per Watt or are controlled motion sensor.
§132(b):	All luminaires with lamps rated greater than 175 Watts in hardscape area, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements.
§130(c)1:	All permanently installed outdoor lighting meets the control requirements listed.
§132(c):	Building facades, parking lots, garages, canopies and outdoor sales areas meet the Multi-Level Lighting Requirements listed.

2008 Nonresidential Compliance Forms August 2009

**ELECTRICAL SYMBOL SCHEDULE**

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED. NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT.

SYMBOL	DESCRIPTION	NOTES
(2-A-100)	DENOTES LIGHTING FIXTURE CIRCUIT, FIXTURE TYPE AND FIXTURE WATTAGE	
E	DENOTES EXISTING TO REMAIN, NO WORK UNLESS OTHERWISE NOTED	
R	DENOTES EXISTING TO BE REMOVED OR REPLACED PER PLANS	
O.G.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	
U.G.	DENOTES UNDERGROUND INSTALLATION	
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	
A.F.F.	DENOTES ABOVE FINISHED FLOOR	
F.B.O.	DENOTES FURNISHED BY OTHERS	
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	
Ⓚ	ELECTRICAL KEYNOTE: DENOTES KEYNOTE # OF NOTES ON SAME SHEET.	
Ⓚ	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4", MINIMUM, U.O.N.	
—	CONDUIT IN ATTIC/WALL: DENOTES 1/2" - 2 #12 AWG CU THIN + 1 #12 CU GND	
—	CONDUIT IN FLOOR/UG: DENOTES 1/2" - 2 #12 AWG CU THIN + 1 #12 CU GND (1)	
—	CONDUIT RUN: DENOTES 1/2" - 3 #12 AWG CU THIN + 1 #12 CU GND (1)	
—	CONDUIT RUN: DENOTES 3/4" - 4 #12 AWG CU THIN + 1 #12 CU GND	
—	CONDUIT RUN: DENOTES 3/4" - 5 #12 AWG CU THIN + 1 #12 CU GND	
—	CONDUIT RUN: DENOTES 1" - 6 #12 AWG CU THIN + 1 #12 CU GND	
—	CONDUIT RUN - STUBBED, CAPPED AND LABELED.	
Ⓚ	UNDERGROUND SYSTEMS PULL BOX PER PLANS.	
Ⓚ	BATTERY OPERATED EMERGENCY LIGHTING FIXTURE	
Ⓚ	ILLUMINATED EXIT SIGN MOUNTED ON WALL	
Ⓚ	ILLUMINATED EXIT SIGN MOUNTED ON CEILING	
Ⓚ	LOW LEVEL ILLUMINATED EXIT SIGN MOUNTED ON WALL PER PLANS	
Ⓚ	WALL MOUNTED LIGHTING FIXTURE	
N	WALL MOUNTED NIGHT LIGHTING FIXTURE	
EN	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK PER PLANS	
Ⓚ	CEILING MOUNTED LIGHTING FIXTURE	
N	CEILING MOUNTED NIGHT LIGHTING FIXTURE	
EN	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK PER PLANS	
Ⓚ	RECESSED DOWNLIGHT FIXTURE	
N	RECESSED DOWNLIGHT NIGHT LIGHTING FIXTURE	
EN	RECESSED DOWNLIGHT FIXTURE WITH EMERGENCY BATTERY PACK PER PLANS	
Ⓚ	RECESSED FLUORESCENT LIGHTING FIXTURE	
Ⓚ	SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE	
Ⓚ	LIGHTING FIXTURE EQUIPPED WITH EMERGENCY BATTERY PACK, PER PLANS	
Ⓚ	SURFACE MOUNTED FLUORESCENT STRIP LIGHTING FIXTURE	
Ⓚ	SINGLE POLE AC SNAP SWITCH @ 140", U.O.N.	(b)
Ⓚ	SINGLE POLE AC SNAP SWITCH @ 140", U.O.N. (LOWER CASE SUBSCRIPT DENOTES CONTROLLING SWITCHES OF CIRCUIT.	(b)
Ⓚ	THREE WAY AC SNAP SWITCH @ 140", U.O.N.	(b)
Ⓚ	KEY OPERATED AC LOCK SWITCH @ 140", U.O.N.	(b)
Ⓚ	PHOTO CELL CONTROL MOUNTED ON ROOF	
Ⓚ	TIME SWITCH, FLUSH MOUNTED	
Ⓚ	ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL	(3)
Ⓚ	ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL	
Ⓚ	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N.	(4)
Ⓚ	DUPLEX RECEPTACLE IN WALL @ 15", U.O.N.	(b)
Ⓚ	DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE IN WALL @ 15", U.O.N.	(b)
Ⓚ	DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ 15", U.O.N.	(b)
Ⓚ	QUADRUPLX RECEPTACLE IN WALL @ 15", U.O.N.	(b)
Ⓚ	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	
Ⓚ	FUSIBLE DISCONNECT SWITCH	
Ⓚ	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER	
Ⓚ	ELECTRIC MOTOR	
Ⓚ	EXHAUST FAN	
Ⓚ	TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL	(2)
Ⓚ	TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL	
Ⓚ	TELEPHONE OUTLET IN WALL @ 15", U.O.N.	(5)/(6)/(b)
Ⓚ	COMPUTER/DATA OUTLET IN WALL @ 15", U.O.N.	(5)/(6)/(b)
Ⓚ	TELEVISION OUTLET IN WALL @ 15", U.O.N.	(b)
Ⓚ	OCCUPANCY SENSOR SYSTEM MOTION SENSOR WALL MOUNTED @ 140" U.O.N.	(b)
Ⓚ	OCCUPANCY SENSOR SYSTEM MOTION SENSOR CEILING MOUNTED U.O.N.	
Ⓚ	OCCUPANCY SENSOR SYSTEM SWITCHPACK MOUNTED IN ATTIC	
Ⓚ	SECURITY SYSTEM MAGNETIC DOOR CONTACT	
Ⓚ	SECURITY SYSTEM KEYPAD	

NOTES	
(1)	ALL UNDERGROUND SITE CONDUIT SHALL BE MINIMUM 3/4". UNLESS NOTED OTHERWISE.
(2)	STUB 1/2" AND TWO 3/4" INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N. REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM TERMINAL CABINET INDICATED FLUSH MOUNTED ON SIGNAL PLAN.
(3)	STUB ONE 1/4", ONE 1/2" AND TWO 3/4" INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N. REQUIREMENT APPLIES TO EACH POWER AND LIGHTING PANEL INDICATED FLUSH MOUNTED ON POWER PLAN.
(4)	RUN 1/2" TO NEAREST WALL, THEN RISE CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N. FOR SINGLE SYSTEMS IN INDIVIDUAL FLOOR BOXES. WHERE MULTIPLE SYSTEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN TWO 1/2" PER ABOVE.
(5)	45 BACK BOX WITH SINGLE GANG TRIM AND COVER PLATE.
(6)	RUN 1/2" CONCEALED IN WALL TO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING FOR FUTURE SYSTEMS CABLING BY OTHERS, U.O.N.
(1)	REFER TO E5.01 FOR FIRE ALARM DEVICE SCHEDULE.
(b)	CONTROL SWITCH AND OUTLET HEIGHTS SHALL BE NO MORE THAN 140" TO TOP OF OUTLET BOX NOR LESS THAN 15" TO THE BOTTOM OF OUTLET BOX AS MEASURED FROM FINISH FLOOR OR WORKING PLATFORM PER CBC SECTION 11B(6)(5).

**GENERAL NOTES**

- (A) IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO COVER ALL MATERIAL AND LABOR REQUIRED TO PROVIDE COMPLETE AND OPERATING SYSTEMS. THE CONTRACTOR SHALL FURNISH LABOR, MATERIAL, EQUIPMENT AND MISCELLANEOUS SERVICES, ETC. AS REQUIRED TO ACCOMPLISH THIS INTENT. ANYTHING WHICH MAY REASONABLY BE CONSTRUED AS A NECESSARY PART OF THE INSTALLATION SHALL BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED HEREIN. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND ALL DRAWINGS OF RELATED TRADES PRIOR TO BID AND ALLOW FOR ALL WORK THAT IS NECESSARY FOR A COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEMS.
- (B) ALL EXISTING ELECTRICAL INFORMATION, POWER AND SIGNALS, SHOWN HEREIN HAS BEEN COMPILED FROM PREVIOUS STATE APPROVED CONSTRUCTION DOCUMENTS AND INFORMATION PROVIDED BY THE OWNER'S FACILITIES PERSONNEL. IT HAS NOT BEEN PHYSICALLY FIELD VERIFIED BY THIS OFFICE. USE AND APPLICATION OF THIS INFORMATION SHALL BE CONFINED TO THE PROJECT FOR WHICH IT IS INTENDED.
- (C) REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHTING FIXTURES. THE CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS AND FRAMES ARE COMPATIBLE WITH THE CEILING SYSTEM THEY ARE INTENDED TO BE INSTALLED TO.
- (D) ALL LIGHTING CIRCUITS SHALL BE HOME RUN VIA LIGHTING CONTROL PANEL FOR WHOLE BUILDING SHUT OFF PER CALIFORNIA ENERGY COMMISSION TITLE 24 ENERGY EFFICIENCY STANDARDS REQUIREMENTS.
- (E) THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING MECHANICAL DRAWINGS, DETAILS AND SPECIFICATIONS AND FOR PROVIDING ALL POWER WIRING AND CONNECTIONS AS SHOWN ON THE MECHANICAL DRAWINGS, BUT NOT NECESSARILY AS SHOWN ON THE ELECTRICAL DRAWINGS. VERIFY EXACT LOCATION OF ALL SUCH EQUIPMENT PRIOR TO INSTALLATION OF SERVING CONDUIT. REFER TO THE MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
- (F) ALL LINE AND LOW VOLTAGE CONDUIT AND WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT CONTROLS IS TO BE PROVIDED AND INSTALLED BY THE DIVISION 15 CONTROLS CONTRACTOR.
- (G) VERIFY EXACT LOCATION OF ALL FLOOR BOXES AND RESPECTIVE UNDERGROUND TRENCHING AND BACKFILLING FOR EACH WITH ARCHITECT PRIOR TO THE BEGINNING OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
- (H) COORDINATE ELECTRICAL PANEL AND TERMINAL CABINET LOCATIONS AND ROUTING OF UNDERGROUND CONDUITS WITH FRAMING CONTRACTOR PRIOR TO BEGINNING ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
- (J) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK IMPACTS PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF CONTRACTOR PROVIDING SUCH EQUIPMENT.
- (K) FOR ALL ELECTRICAL EQUIPMENT BEING REMOVED, PROVIDE OWNER WITH THE FIRST RIGHT OF REFUSAL. IF OWNER EXERCISES FIRST RIGHT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT COMPLETE IN A PROPER MANNER.
- (L) AT ANY WALL RECEIVING A NEW TACKBOARD OR GYPSUM BOARD SURFACE, THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE BOX EXTENSION(S) FOR ALL FLUSH MOUNTED ELECTRICAL DEVICES AND EQUIPMENT. AT WALLS RECEIVING A NEW TACKBOARD, GYPSUM BOARD OR VINYL SURFACE, THE CONTRACTOR SHALL REMOVE AND REINSTALL ANY SURFACE MOUNTED ELECTRICAL DEVICES AND EQUIPMENT. REFER TO ARCHITECTURAL DRAWINGS FOR WALL TREATMENT.
- (M) REMOVE ALL ELECTRICAL DEVICES IN OR ON ANY WALL BEING REMOVED. REROUTE AND RECONNECT ANY FEED THROUGH CIRCUITS AS REQUIRED, PULL OUT ANY IDLE WIRING, AND REMOVE ANY EMPTY, EXPOSED CONDUIT.
- (N) WHEN AN ELECTRICAL DEVICE IS REMOVED FROM A WALL THAT IS TO REMAIN, PULL OUT ANY IDLE WIRING, RECONNECT ANY FEED THROUGH CIRCUITS AS REQUIRED AND PROVIDE AN APPROPRIATE BLANK COVERPLATE. WHERE SUCH DEVICE OCCURRED IN A FIRE RATED ASSEMBLY, FIRE STOP OPENING PER C.E.C. 300.21.
- (P) WHEN AN EXISTING RECEPTACLE IS SHOWN TO REMAIN, PROVIDE A NEW DEVICE AND COVERPLATE.
- (Q) WHEN NEW CEILINGS OR CEILING FINISHES ARE PROVIDED, RELOCATE AND RECONNECT ALL ELECTRICAL DEVICES IN OR ON THE OLD CEILING OR CEILING FINISH TO THE NEW CEILING OR CEILING FINISH AS REQUIRED. ANY DEVICE LOCATED ON THE WALL BELOW THE OLD CEILING SHALL BE RELOCATED TO BELOW THE NEW CEILING, MAINTAINING SIMILAR CEILING CLEARANCE, AND RECONNECTED.
- (R) ALL CONDUIT THAT CROSS FOOTINGS SHALL RUN PERPENDICULAR TO THE LINE OF THE FOOTING. MULTIPLE CONDUITS CROSSING OVER THE TOPS OF THE FOOTINGS SHALL NOT BE LOCATED BELOW SHEER WALLS, BEARING WALLS, POSTS, OR COLUMNS. SEE STRUCTURAL DETAILS FOR CONDUITS PENETRATING THROUGH OR BELOW THE FOOTINGS.

**ELECTRICAL DRAWING INDEX**

SHEET NUMBER	SHEET TITLE
E1.00	CODES, SYMBOLS, NOTES AND INDEX
E1.01	SITE ELECTRICAL PLAN
E2.01	ELECTRICAL DEMOLITION AND POWER PLANS
E3.01	LIGHTING AND FIRE ALARM PLANS
E4.01	SINGLE LINE DIAGRAM AND DETAILS
E5.01	FIRE ALARM SINGLE LINE DIAGRAM AND DETAILS
E6.01	TITLE 24 COMPLIANCE DOCUMENTATION

**APPLICABLE CODES AND STANDARDS**

APPLICABLE CODES AS OF JANUARY 1, 2011:	
2010	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2010	CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2004 INTERNATIONAL BUILDING CODE VOLUMES 1-2 OF THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS, WITH CALIFORNIA AMENDMENTS)
2010	CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. 2008 NATIONAL ELECTRICAL CODE (NEC)
2010	CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R. 2004 UNIFORM MECHANICAL CODE (UMC)
2010	CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. 2004 UNIFORM PLUMBING CODE (UPC)
2010	CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2010	CALIFORNIA ELEVATOR SAFETY CODE OF REGULATIONS, TITLE 8, C.C.R.
2010	CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 C.C.R.
2010	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. 2004 INTERNATIONAL FIRE CODE (IFC)
2010	CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R. 2004 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2010	TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2010	CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 C.C.R.
PARTIAL LIST OF APPLICABLE STANDARDS: REFERENCE CBC CHAPTER 35	
2010	NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
2010	NFPA 13, STANDPIPE SYSTEMS
2002	NFPA 17, STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS
2002	NFPA 17A, STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS
2010	NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2010	NFPA 24, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES
2010	NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE (WITH CALIFORNIA AMENDMENTS)
2004	NFPA 2001, STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

**C.E.C. TITLE 24 COMPLIANCE**

THE CURRENT CALIFORNIA ENERGY COMMISSION ENERGY EFFICIENCY STANDARDS FOR RESIDENTIAL AND NONRESIDENTIAL BUILDINGS HAVE BEEN REVIEWED. THE BUILDING LIGHTING SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS AS SET FORTH.

**CODES, RULES & REGULATIONS**

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, TITLE 24, 2010 CALIFORNIA CODE OF REGULATIONS, 2010 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

**EMERGENCY EGRESS PATHWAY LIGHTING**

AN EMERGENCY EGRESS PATHWAY LIGHTING SYSTEM COMPLYING WITH C.B.C. 1006 MEANS OF EGRESS ILLUMINATION SHALL BE INSTALLED PER PLANS AND SPECIFICATIONS. EGRESS PATHWAY LIGHTING LEVELS AS DESIGNED COMPLY WITH THE ONE (1) FC MINIMUM ILLUMINATION LEVELS REQUIRED IN C.B.C. 1006.2 THROUGHOUT THE EGRESS PATHWAY. IN ADDITION TO THE NORMAL POWER PROVIDED TO THE EGRESS PATHWAY LIGHTING SYSTEM BY THE PREMISES ELECTRICAL SUPPLY, THE LIGHTING SYSTEM DESIGN PROVIDES EMERGENCY POWER FOR A DURATION OF 90 MINUTES MINIMUM AT ALL AREAS REQUIRED IN C.B.C. 1006.3 AND COMPLIES WITH ALL PERFORMANCE AND LEVEL REQUIREMENTS OF C.B.C. 1006.4.

**CONDUIT SUPPORT NOTE**

ALL BRACING OF DUCTS AND PIPINGS SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES AS APPROVED BY D.S.A. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY D.S.A. SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT AVAILABLE AT THE PROJECT JOBSITE AT ALL TIMES. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, STRUCTURAL ENGINEER AND D.S.A. FIELD REPRESENTATIVE.

**SEISMIC ANCHORAGE REQUIREMENTS**

ALL ELECTRICAL EQUIPMENT AND CONDUIT SYSTEMS ANCHORAGE SHALL COMPLY WITH CALIFORNIA BUILDING CODE SECTION 1608A AND WITH TABLE 1601A.  
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE FIELD ENGINEER FOR THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES AND THE ELECTRICAL ENGINEER.

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