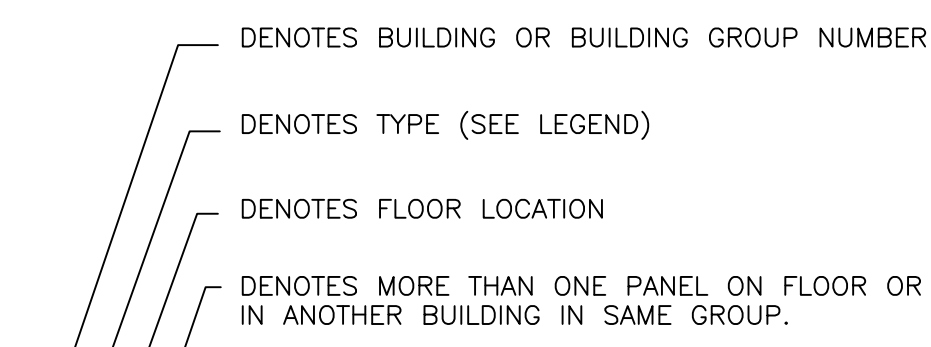


LIGHTING FIXTURE SCHEDULE			
TYPE	DETAIL	DESCRIPTION	MANUFACTURER
A2		FLUORESCENT FIXTURE WITH POLYSTYRENE PLASTIC PANELS AND LENS. FOR INSTALLATION DETAILS, SEE GENERAL NOTE 5.	BENJAMIN "CATALINA" #2100 SERIES.
A3		TYPE A2 4/40 WATT LAMPS A3 2/75 WATT LAMPS A4 4/75 WATT LAMPS	
A4			
B1		SHALLOW RECESSED FLUORESCENT FIXTURE, 1 FT. OR 2 FT. WIDE, 5" MAX. DEEP WITH MOLDED POLYSTYRENE LENS. PROVIDE PLASTER FRAME WHERE REQUIRED.	SMOOTH-HOLMAN #221 SERIES OR SUNBEAM #9200 SERIES FOR 24" WIDE UNIT
G		PORCELAIN LAMP RECEPTACLE, KEYLESS, FOR OUTLET BOX MOUNTING.	OPTIONAL
E2		OPEN LAMP FLUORESCENT STRIP LIGHT UNIT MOUNTED ON BALLAST CHANNEL. NUMBER OF LAMPS AS INDICATED (SURFACE MTD.)	SUNBEAM 201 OR 202 SERIES
L		WEATHERPROOF INCANDESCENT, SURFACE MOUNTED CYLINDRICAL DOWNRIGHT UNIT. HOUSING TO BE SPUN ALUMINUM, ANODIZED FINISHED AS DIRECTED BY ARCHITECT.	PEERLESS ELECTRIC CO. #AL. 6028-S.
N		SPECIAL FLUORESCENT UNIT WITH ACRYLIC PLASTIC DIFFUSER, MOUNTED ON EXTRUDED ALUMINUM CHANNEL. FOR USE WITH "INTEGRATED" TYPE CEILING.	TAYLOR CEILINGS #5100-C457-1
C2		INDUSTRIAL TYPE INCANDESCENT R L M DOME REFLECTOR, PENDANT-MOUNTED WITH DISCONNECTING SOCKET.	OPTIONAL
CC2		EXIT LIGHT UNIT, CEILING-MTD., 6" MIN. HEIGHT LETTERS. PROVIDE DIRECTIONAL ARROWS WHERE INDICATED. TYPE CC2, 2 LAMPS ONLY	WAGNER-WOODRUFF # F-33246/6"-277V SERIES WITH TWO SEPARATELY WIRED 277 V CIRCUITS.
NN		FLUORESCENT STRIP LIGHT UNIT WITH PLASTIC DIFFUSER. TWO LAMPS IN TANDEM WHERE INDICATED (SURFACE MTD.)	SUNBEAM #P-2800 SERIES
PP		FLUSH-MOUNTED WATER TIGHT INCANDESCENT UNIT FINISHED IN POLISHED CAST ALUMINUM WITH PRISMATIC ASYMMETRIC GLASS LENS.	McPHILBEN 93-16A SERIES

GENERAL NOTES:

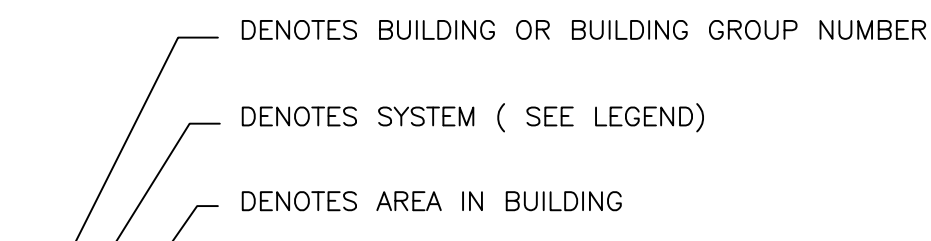
1. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN COMPLIANCE WITH EARTHQUAKE PROOFING REGULATIONS SET FORTH IN TITLE 8, CALIFORNIA ADMINISTRATIVE CODE, PARAGRAPH 2427 (b) AS FOLLOWS: "A FIXTURE WHICH WEIGHS MORE THAN SIX POUNDS OR EXCEEDS 16 INCHES IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMPHOLDER. A FIXTURE WHICH WEIGHS MORE THAN 50 POUNDS SHALL BE SUPPORTED INDEPENDENTLY OF THE OUTLET BOX. FIXTURE HANGERS SHALL PERMIT THE FIXTURE TO SWING 15' MINIMUM IN ANY DIRECTION.

2. PANEL AND TERMINAL KEY:
EXAMPLE 1 - PANEL BOARDS



LEGEND:
L - LIGHTING PANEL 277/480 V
R - RECEPTACLE PANEL 120/208 V
P - POWER PANEL
E - EMERGENCY PANEL

EXAMPLE 2 - TERMINAL CABINETS OR BOARDS



LEGEND:
T - TELEPHONE COMPANY (BACKBOARD ONLY UNLESS NOTED OTHERWISE)
S - COMMUNICATIONS (V, K, PA, ETC.)
F - FIRE ALARM SYSTEM
C - CLOCK SYSTEM
HV - HEATING AND VENTILATING

NOTE: IN MOST CASES "S", "F" AND "C" ARE IN A COMMON ENCLOSURE WITH INTERNAL SEPARATING BARRIERS UNLESS OTHERWISE NOTED.

3. DISREGARD ALL SYMBOLS WHICH DO NOT APPEAR ON PLANS.

4. MOTORS FOR MECHANICAL AND PLUMBING UNITS ARE DESIGNATED THE SAME AS ON CORRESPONDING MECHANICAL OR PLUMBING SHEETS, BY SYMBOL.

5. SURFACE-MOUNT LIGHTING FIXTURES IN GROUND AND FIRST FLOOR CLASSROOMS; SUSPEND UNITS IN SECOND FLOOR CLASSROOMS (FROM SLOPING STRUCTURE) WITH STEMS AND CANOPIES AS REQUIRED FOR MOUNTING HEIGHT OF 9'-5" ABOVE FINISHED FLOOR.

PANEL BOARD SCHEDULE							
PANEL	BRANCH NUMBER	CIRCUIT BREAKER	MAIN BUS	MAIN BREAKER	SERVICE	TRIM	REMARKS
4E2A	1-12	1P-20A	100A	NONE	277/480-V, 3ø, 4W	FLUSH	
4L1E	1-18 19-20	1P-20A 3P SPACE	100A	100A	277/480-V, 3ø, 4W	FLUSH	PROVIDE SUB-FEED LUGS OR CABLE TAP BOX ADJACENT
4L2C	1-18 19-20	1P-20A 3P SPACE	100A	100A	277/480-V, 3ø, 4W	FLUSH	PROVIDE SUB-FEED LUGS OR CABLE TAP BOX ADJACENT
4L3A	1-18 19-20	1P-20A 3P SPACE	100A	100A	277/480-V, 3ø, 4W	FLUSH	
4R1G	1-18 19-20	1P-20A 3P SPACE	100A	100A	120/208-V, 3ø, 4W	FLUSH	PROVIDE SUB-FEED LUGS OR CABLE TAP BOX ADJACENT
4R1H	1-18 19-30 31-34	1P-20A 1P-30A 3P SPACE	225A	NONE	120/208-V, 3ø, 4W	SURFACE	
4R2D	1-24 25-26 27-28 29-30	1P-20A 2P-50A 3P-20A 3P SPACE	225A	225A	120/208-V, 3ø, 4W	FLUSH	PROVIDE SUB-FEED LUGS OR CABLE TAP BOX ADJACENT
4R3A	1-18 19-20	1P-20A 3P SPACE	100A	100A	120/208-V, 3ø, 4W	FLUSH	

MOTOR CONTROL CENTER MCC-4C SCHEDULE							
MAIN BUS: 400 AMP, 3ø, 4 WIRE							
CIRCUIT NUMBER	DESCRIPTION	HO OR KVA	CIRCUIT TRIP	BREAKER POLES	CONTROL SIZE	WIRE & CONDUIT	REMARKS
1	TRANSFORMER	125	3	NONE	SEE SINGLE LINE DIAG.		PROVIDE SHUNT TRIP ON MAIN BREAKER
2	PANEL 4E2A	100	3	NONE	SEE SINGLE LINE DIAG.		
3	PANEL 4L1E	225	3	NONE	SEE SINGLE LINE DIAG.		
4	VENT UNIT M-1	15	50	3	2	3ø#3-5/4"	
5	RETURN FAN M-2	7 1/2"	30	3	1	3ø#12-1/2"	
6	EX. FAN M-3	1 1/2"	20	3	1	3ø#12-1/2"	
7	EX. FAN M-4	3/4"	20	3	1	3ø#12-1/2"	
8	CIRC. PUMP M-5	2	20	3	1	3ø#12-1/2"	
9	COOL TOWER M-6	1 1/2"	20	3	1	3ø#12-1/2"	
10	C.W. PUMP M-7	1 1/2"	20	3	1	3ø#12-1/2"	
11	A/C UNIT M-8	2	20	3	1	FUTURE	
12	SPACES	-	-	3	2	-	FUTURE UNITS
13	SPACES	-	-	3	1	-	FUTURE UNITS
14	SPACES	-	-	3	1	-	FUTURE UNITS
15	SPACES	-	-	3	1	-	FUTURE UNITS

ELECTRICAL SYMBOLS					
CEILING	WALL	DESCRIPTION	MTG. HEIGHT	DESCRIPTION	MTG. HEIGHT
○	○	OUTLET		⊙	GENERATOR
⊖	⊖	BLANKED OUTLET		⊕	MOTOR
⊖	⊖	UNIT HEATER OR COOLER		⊖	ELECTRICALLY OPERATED VALVE
⊖	⊖	NIGHT LIGHT OR EMERGENCY LIGHT		⊖	TRANSFORMER
⊖	⊖	FAN OUTLET	6'0"	⊖	CONTROLLER
⊖	⊖	JUNCTION BOX	1'0"	⊖	ISOLATING SWITCH
⊖	⊖	EXIT LIGHT OUTLET		⊖	THERMOSTAT
⊖	⊖	CLOCK OUTLET	8'0"	⊖	SECONDARY CLOCK
⊖	⊖	FLUORESCENT FIXTURE OUTLET	8'0"	⊖	PUBLIC ADDRESS OUTLET
⊖	⊖	SINGLE POLE SWITCH	4'0"	⊖	INTERCOMMUNICATION OUTLET
⊖	⊖	DOUBLE POLE SWITCH	4'0"	⊖	FUSH BUTTON
⊖	⊖	THREE WAY SWITCH	4'0"	⊖	BUZZER
⊖	⊖	FOUR WAY SWITCH	4'0"	⊖	BELL
⊖	⊖	AUTOMATIC DOOR SWITCH	9'0"	⊖	YARD GONG
⊖	⊖	KEY OPERATED SWITCH	4'0"	⊖	HORN
⊖	⊖	SWITCH AND PILOT LAMP	4'0"	⊖	ANNUNCIATOR
⊖	⊖	MOMENTARY CONTACT SWITCH	4'0"	⊖	TELEPHONE
⊖	⊖	REMOTE CONTROL SWITCH	4'0"	⊖	INTERCONNECTING TELEPHONE
⊖	⊖	LOW VOLTAGE CONTROL SWITCH	4'0"	⊖	BELL RINGING TRANSFORMER
⊖	⊖	DUPLEX CONVENIENCE OUTLET	1'0"	⊖	ELECTRIC DOOR OPENER
⊖	⊖	RANGE OUTLET	1'0"	⊖	FIRE ALARM BELL
⊖	⊖	SPECIAL PURPOSE OUTLET	1'0"	⊖	FIRE ALARM STATION
⊖	⊖	FLOOR OUTLET		⊖	CITY FIRE ALARM STATION
⊖	⊖	20A-250 V. RECEPTACLE AND PLUG	1'0"	⊖	AUTOMATIC FOR ALARM DEVICE
⊖	⊖	30A-250 V. RECEPTACLE AND PLUG	1'0"	⊖	TERMINAL CABINET
⊖	⊖	LIGHTING PANEL		⊖	INTERCONNECTION BOX
⊖	⊖	POWER PANEL		⊖	SPECIAL AUXILIARY OUTLET, SUB-SCRIPT LETTER REFERS TO PLANS OR SPECIFICATIONS.
⊖	⊖	BRANCH CIRCUIT; CONCEALED IN CEILING OR WALL		⊖	TELEPHONE CONDUIT
⊖	⊖	BRANCH CIRCUIT; CONCEALED IN FLOOR		⊖	INTERCONNECTING TELEPHONE CONDUIT
⊖	⊖	BRANCH CIRCUIT; EXPOSED		⊖	INTERCOMMUNICATING SYSTEM CONDUIT
⊖	⊖	HOMERUN TO PANEL BOARD; FIGURES AND LETTERS INDICATE CIRCUIT NUMBERS TO PANEL. 1-3-A INDICATES CIRCUIT NUMBERS 1 AND 3 TO PANEL A.		⊖	PUBLIC ADDRESS CONDUIT
⊖	⊖	NOTE: ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATED A TWO WIRE CIRCUIT. A GREATER NUMBER OF WIRES ARE INDICATED AS FOLLOWS: (3 WIRES) (4 WIRES) ETC.		⊖	CLOCK AND PROGRAM SYSTEM CONDUIT
⊖	⊖	CONDUIT STUB-UP		⊖	FIRE ALARM CONDUIT
⊖	⊖	CONDUIT RUN CAPPED		⊖	EMERGENCY LIGHTING CONDUIT
⊖	⊖	CONDUIT ONLY-NO CONDUCTORS	2/75-A	⊖	SUBSCRIPT LETTER ADJACENT INDICATES CONTROL THIS, SWITCH, CONTROLS OUTLET
⊖	⊖	FEEDER		⊖	FIGURE IN OR ADJACENT TO ANY SYMBOL INDICATES CIRCUIT NO. ON PANEL.
⊖	⊖	AUXILIARY SYSTEM CIRCUITS		⊖	BY ANY STANDARD SYMBOL INDICATES WEATHERPROOF OUTLET AND/OR DEVICE.
⊖	⊖	UNDER FLOOR DUCT AND JUNCTION BOX TRIPLE SYSTEM		⊖	NOTE: HEIGHTS TO CENTER WALL OUTLETS UNLESS OTHERWISE SPECIFIED OR NOTED.
⊖	⊖	NOTE: SINGLE AND DOUBLE SYSTEMS INDICATED BY ONE OR TWO LINES.		⊖	BRACKET LIGHT
⊖	⊖	PLUG-IN BUSWAY		⊖	BRACKET LIGHT OVER MIRROR
⊖	⊖	PLUG-IN BREAKER FOR BUSWAY		⊖	AUDIO-VISUAL CONDUIT SYSTEM 3/4" CONDUIT WITH 2/C#19 UNLESS OTHERWISE NOTED.
⊖	⊖	PLUG-IN FUSED SWITCH FOR BUSWAY		⊖	TELEVISION CONDUIT SYSTEM-1" CONDUIT UNLESS OTHERWISE NOTED.
⊖	⊖	TELEVISION OUTLET-5 GANG BOX	1'0"		
⊖	⊖	AUDIO-VISUAL OUTLET-4 11/16" BOX	1'0"		
⊖	⊖	SPEAKER OUTLET - SINGLE GANG BOX 6" FROM CORNER, UP 8'-0" EXCEPT AS NOTED.			

