SYMBOL LIST

(ALL SYMBOLS NOT NECESSARILY USED ON THESE DRAWINGS)
ALL SYMBOL DESCRIPTIONS ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS.
VERIFY EXACT LOCATIONS AND HEIGHTS OF OUTLETS WITH ARCHITECTURAL INTERIOR
ELEVATIONS PRIOR TO ROUGH-IN. SYMBOL SHOWN DASHED INDICATES EXISTING U.N.O.

- PUSH BUTTON STATION WITH 'STOP-START' PUSH BUTTONS AND RED INDICATING PILOT LIGHT ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
  - 1/2" C - 2 #12
  - 1/2" C - 3 #12
  - 3/4" C - 4 #12
  - 3/4" C - 5 #12
  - 3/4" C - 6 #12
  - 1" C - 7 #12
  - 1" C - 8 #12
  - 1 1/4" C - 9 #12
- CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.
- CONDUIT, INSTALLED EXPOSED.
- B-5,7,9 — HOMERUN TO PANEL 'B' FOR CIRCUITS 5, 7, 9 WITH COMMON NEUTRAL.
- TELEPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, +18" WITH 3/4" STUBBED INTO AN ACCESSIBLE AREA OF THE CEILING SPACE. PROVIDE INSULATED BUSHING ON CONDUIT END. SUBSCRIPT OR SUPERSCRIPT AT SIGNAL SYMBOLS INDICATES THE FOLLOWING:
  - C - OUTLET HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
  - W - OUTLET ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- VOICE/DATA OUTLET ON FLUSH FLOOR MOUNTED OUTLET BOX.
- COMBINATION TELEPHONE/DATA OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, +18" WITH 1"C.O. STUBBED INTO AN ACCESSIBLE AREA OF THE CEILING SPACE. PROVIDE INSULATED BUSHING ON CONDUIT END.
  - C - OUTLET HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
  - W - OUTLET ON FLUSH WALL MOUNTED OUTLET BOX, +48".
- R — INTERVAL TIMER CONTROL ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- CLOCK OR INTERVAL TIMER, ON FLUSH WALL MOUNTED OUTLET BOX, +90".
- TV — TELEVISION ANTENNA OUTLET WITH POWER RECEPTACLE AND TV CONTROL OUTLET, +90"
- E — INDICATES EXISTING CONDUIT.
- NURSE CALL CORRIDOR DOME LIGHT, SURFACE MOUNTED ON FLUSH WALL MOUNTED OUTLET BOX +90", CENTERED ABOVE DOOR.
- NURSE CALL CORRIDOR DOME LIGHT, SURFACE MOUNTED ON FLUSH CEILING MOUNTED OUTLET BOX, CENTERED ABOVE DOOR.
- NURSE CALL PATIENT STATION, ON FLUSH WALL MOUNTED OUTLET BOX +45".
- NURSE CALLCOMBINATION CODE BLUE CALL-IN/STAFF STATION, ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- NURSE CALL STAFF STATION, ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- NURSE CALL STAFF PRESENCE STATION ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- NURSE CALL BATH/TOILET STATION WITH PULL CHAIN, ON FLUSH WALL MOUNTED OUTLET BOX, +36". LENGTH OF CHAIN TO WITHIN 6" OF FLOOR.
- CODE BLUE CALL-IN STATION, ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- NURSE CALL ANNUNCIATOR PANEL
- M — PATIENT MONITORING SYSTEM OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, +45" WITH 3/4" STUBBED INTO AN ACCESSIBLE AREA OF THE CEILING SPACE. PROVIDE INSULATED BUSHING ON CONDUIT END.
  - PM1 - 3/4"C.
  - PM2 - 1"C.
  - PM3 - 1 1/4"C.
- P — NURSE CALL PATIENT BED INTERFACE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +18", WITH THE FOLLOWING FUNCTIONS: NURSE CALL, LIGHTING CONTROL, BED POWER, TV/RADIO. SEE DETAILS.
- EQUIPOTENTIAL ROOM REFERENCE GROUND POINT FLUSH, ON WALL MOUNTED OUTLET BOX, +90".
- N — NURSE CALL SYSTEM - 3/4"C., WITH CONDUCTORS AS SPECIFIED.
  - N2 - 1"C., WITH CONDUCTORS AS SPECIFIED.
  - N3 - 1 1/4"C., WITH CONDUCTORS AS SPECIFIED.
  - N4 - 1 1/2"C., WITH CONDUCTORS AS SPECIFIED.
- FIRE ALARM ADDRESSABLE MANUAL PULL STATION, ON FLUSH WALL MOUNTED OUTLET BOX, +48".
- 75CD — FIRE ALARM AUDIO-VISUAL INDICATING DEVICE, ON FLUSH WALL MOUNTED OUTLET BOX, +80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS GREATER. 75CD INDICATES CANDELA RATING OF VISUAL ALARM. WHERE CANDELA RATING IS NOT SHOWN PROVIDE 75 CANDELA VISUAL ALARM.
- 75CD — FIRE ALARM VISUAL INDICATING DEVICE, ON FLUSH WALL MOUNTED OUTLET BOX, +80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS GREATER. 75CD INDICATES CANDELA RATING OF VISUAL ALARM. WHERE CANDELA RATING IS NOT SHOWN PROVIDE 75 CANDELA VISUAL ALARM.
- FIRE ALARM VISUAL INDICATING DEVICE, ON FLUSH CEILING MOUNTED OUTLET BOX. 75cd INDICATES CANDELA RATING OF VISUAL ALARM.
- FIRE ALARM ADDRESSABLE SMOKE DETECTOR, ON FLUSH CEILING MOUNTED OUTLET BOX.
- FIRE ALARM ADDRESSABLE IN-DUCT TYPE SMOKE DETECTOR.
- H — FIRE ALARM HEAT DETECTOR ON SURFACE CEILING MOUNTED OUTLET BOX.
- FIRE ALARM MAGNETIC DOOR HOLDER, ON FLUSH WALL MOUNTED OUTLET BOX.
- FIRE SPRINKLER WATER FLOW SWITCH WITH WEATHERPROOF OUTLET BOX.
- FIRE SPRINKLER TAMPER SWITCH WITH WEATHERPROOF OUTLET BOX.
- SECURITY CAMERA MOUNTED ON AREA LIGHTING POLE, +20' ABOVE GRADE.
- C — CARD READER OUTLET, +45". PROVIDE 3/4"C. FROM OUTLET BOX TO ACCESSIBLE CEILING. PROVIDE INSULATED BUSHING ON CONDUIT END.
- FD — FIRE SMOKE DAMPER ON DUCT IN CEILING SPACE. PROVIDE 120V CONNECTION WITH S.P.S.T. SWITCH DISCONNECT MOUNTED IN ACCESSIBLE CEILING. CIRCUIT CONTROLLED BY FIRE ALARM ADDRESSABLE CONTROL MODULE.
- CM — FIRE ALARM ADDRESSABLE CONTROL MODULE WITH 10A, 1P RELAY CONTACT FOR CONTROL OF 24V OR 120V CIRCUITS INDICATED, IN SURFACE NEMA 1 ENCLOSURE MOUNTED IN ACCESSIBLE CEILING SPACE OR AS NOTED.
- PP — FLUSH WALL MOUNTED OUTLET BOX FOR AUTODOOR PUSHPLATE, +45". INSTALL AND CONNECT PUSHPLATE FURNISHED WITH DOOR OPERATOR.
- A.F.F. — ABOVE FINISH FLOOR
- A.S.C. — AMPERES SHORT CIRCUIT
- C — CONDUIT
- C.O. — CONDUIT ONLY.
- (N) — NEW
- (E) — EXISTING TO REMAIN.
- (ER) — EXISTING TO BE REMOVED.
- (ERR) — EXISTING TO BE REMOVED, RELOCATED, REINSTALLED AND RECONNECTED
- GRD — GROUND
- MTD — MOUNTED
- PROVIDE — FURNISH, INSTALL AND CONNECT.
- RGS — RIGID GALVANIZED STEEL
- U.N.O. — UNLESS NOTED OTHERWISE
- WP — WEATHERPROOF
- CONNECTED TO SOLID GROUND REFERENCE POINT
- C/E-2 — DETAIL CALLOUT, 'C' INDICATES DETAIL, 'E-2' INDICATES DRAWING WHERE DETAIL OCCURS.
- EF/1 — MECHANICAL EQUIPMENT CALLOUT. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL EQUIPMENT.
- +45" — MOUNTING HEIGHT TO CENTER LINE OF DEVICE FROM FINISH FLOOR OR EXTERIOR GRADE
- 1 — KEY NOTE CALLOUT. REFER TO CORRESPONDING NOTE ON DRAWING WHERE CALLOUT OCCURS.
- OS1 — OCCUPANCY SENSOR SWITCH, ONE WAY TYPE, CEILING MOUNTED WITH ABOVE CEILING OUTLET BOX, NOVITAS #01-077 WITH #13-031 SWITCHPACK MOUNTED IN OUTLET BOX. WHERE CONTROLLING BOTH NORMAL AND EMERGENCY CIRCUITS PROVIDE 2 SWITCHPACKS POWERED BY THE EMERGENCY CICUIT IN SEPARATE OUTLET BOXES.
- OS2 — OCCUPANCY SENSOR SWITCH, ONE WAY TYPE, CEILING MOUNTED WITH ABOVE CEILING OUTLET BOX, NOVITAS #01-087 WITH #13-031 SWITCHPACK MOUNTED IN OUTLET BOX. WHERE CONTROLLING BOTH NORMAL AND EMERGENCY CIRCUITS PROVIDE 2 SWITCHPACKS POWERED BY THE EMERGENCY CICUIT IN SEPARATE OUTLET BOXES.
- OCCUPANCY SENSOR SWITCH ON FLUSH WALL MOUNTED OUTLET BOX, +45". NOVITAS #01-DL400. SET FOR AUTOMATIC ON. FOR SINGLE AND DUAL LEVEL SWITCHING.
- DS — DAYLIGHT SENSOR, SEE SPECS.
- S — SPEAKER ON FLUSH WALL MOUNTED OUTLET BOX, +90".
- S — SPEAKER ON FLUSH WALL CEILING MOUNTED OUTLET BOX.
- SD — SMOKE ALARM DETECTOR ON FLUSH CEILING MOUNTED OUTLET BOX, WITH 120V PRIMARY POWER FROM BUILDING POWER AND EQUIPPED WITH A BATTERY BACKUP. PROVIDE PER CFC 907.2.6.1.
- RL — VISUAL/LIGHT INDICATOR SURFACE MOUNTED ON FLUSH WALL MOUNTED OUTLET BOX, +90" CENTER ABOVE DOOR. PROVIDE PER CFC 907.2.6.1.
- AV — REMOTE SMOKE AUDIBLE AND VISUAL ALARM INDICATOR AT STAFF PRESENCE STATIO, ON FLUSH WALL MOUNTED OUTLET BOX, +80". PROVIDE PER CFC 907.2.6.1.
- FLUORESCENT LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
- FLUORESCENT LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED ON FLUSH MOUNTED OUTLET BOX.
- FLUORESCENT STRIP OR INDUSTRIAL LIGHTING FIXTURE, SURFACE, CHAIN OR PENDANT MOUNTED ON FLUSH MOUNTED OUTLET BOX.
- LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED, ON FLUSH CEILING MOUNTED OUTLET BOX..
- LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
- LIGHTING FIXTURE, SURFACE OR FLUSH MOUNTED AS INDICATED ON FIXTURE SCHEDULE, ON WALL MOUNTED OUTLET BOX, +90". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
- OUTLET ON EMERGENCY LIGHTING CIRCUIT.
- LIGHTING FIXTURE WITH LAMPS ON NORMAL AND EMERGENCY LIGHTING CIRCUITS, PROVIDE SEPARATE LAMP BALLASTS AS REQUIRED.
- LIGHTING FIXTURE RECESSED MOUNTED WITH OUTLET BOX AND REMOTE MOUNTED JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING. PROVIDE FLEXIBLE CONDUIT CONNECTION 6 FT. MAXIMUM LENGTH, 1/2" DIAMETER MINIMUM, FROM JUNCTION BOX TO FIXTURE OUTLET. PROVIDE CONDUCTORS IN CONDUIT, QUANTITY AS REQUIRED FOR INDICATED CIRCUITS AND SWITCHING CONTROLS, #12 (AWG) MINIMUM.
- WALL WASH LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
- EXIT SIGN SINGLE FACE, ON FLUSH CEILING MOUNTED OUTLET BOX. ARROW INDICATES DIRECTIONAL ARROW ON EXIT SIGN FACE.
- EXIT SIGN DOUBLE FACE, ON FLUSH CEILING MOUNTED OUTLET BOX.
- EXIT SIGN, ON FLUSH WALL MOUNTED OUTLET BOX, +90".
- 2/100 — FIXTURE SCHEDULE DESIGNATION: '2' INDICATES FIXTURE TYPE, '100' INDICATES FIXTURE TOTAL WATTAGE.
- S 2,P a,b — SINGLE POLE TOGGLE SWITCH, ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT OR SUPERSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING:
  - 2 - DOUBLE POLE
  - 3 - THREE WAY
  - 4 - FOUR WAY
  - P - PILOT LIGHT
  - M - MANUAL MOTOR STARTERS
  - K - KEY OPERATED
  - R - SPDT MOMENTARY CONTACT RELAY SWITCH
  - V - VAPOR PROOF
  - a, b, c, d, ETC. - MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED.
- F — FLUORESCENT LIGHTING DIMMER, ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- D — INCANDESCENT LIGHTING DIMMER, ON FLUSH WALL MOUNTED OUTLET BOX +45". DIMMERS SHALL BE 2000 WATT, UNLESS NOTED OTHERWISE.
- A1 S — LOW VOLTAGE OVERRIDE CONTROL SWITCH, LETTER DESIGNATES ZONE AND NUMBER DESIGNATES SWITCH NUMBER.
- T — TIMER SWITCH
- DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
- DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL. EXCEPT CONNECTED TO EMERGENCY CIRCUIT.
- DUPLEX CONVENIENCE RECEPTACLE HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
- DUPLEX CONVENIENCE RECEPTACLE SPLIT WIRED, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
- DUPLEX CONVENIENCE RECEPTACLE ON EMERGENCY CIRCUIT, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
- DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE ON ONE FLUSH WALL MOUNTED OUTLET BOX +18".
- DOUBLE DUPLEX (FOUR PLEX) RECEPTACLE ON EMERGENCY CIRCUIT, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
- SINGLE RECEPTACLE, NEMA CONFIGURATION PER EQUIPMENT MANUFACTURER REQUIREMENTS, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
- DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18".
- DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
- DUPLEX CONVENIENCE RECEPTACLE, ON FLUSH CEILING MOUNTED OUTLET BOX.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE, ON FLUSH FLOOR MOUNTED OUTLET BOX.
- J — JUNCTION BOX, FLUSH WALL MOUNTED, +18".
- J — JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING.
- J — INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL.
- A/E-1 — PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION 'A', SEE DRAWING E-1 FOR PANEL SCHEDULE.
- TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
- FLOOR STANDING SWITCHGEAR ADJACENT BALLOON INDICATES EQUIPMENT DESIGNATION 'DBA', SEE DRAWING E-1 FOR SINGLE LINE DIAGRAM AND/OR SCHEDULE.
- CIRCUIT BREAKER STATIONARY (NON-DRAWOUT), SECONDARY VOLTAGE.
- FUSIBLE SWITCH AND FUSE DEVICE. STATIONARY SWITCH (NON- DRAWOUT) REMOVABLE FUSES, SECONDARY VOLTAGE.
- TRANSFORMER; KVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.
- FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL +45", OR ON EQUIPMENT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.
- MOTOR CONNECTION. PROVIDE FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED, WALL MOUNTED, +45" OR EQUIPMENT MOUNTED, +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.
- MCA-11 — HOME RUN TO MCA-11, INDICATES MOTOR CONTROL CENTER 'MCA' CIRCUIT NO. 11. SEE RESPECTIVE SCHEDULE FOR WIRE AND CONDUIT.
- (3) — MAGNETIC MOTOR STARTER: NUMBER INDICATES 'NEMA' SIZE '3'.
- (3) — COMBINATION MAGNETIC MOTOR STARTER: NUMBER INDICATES 'NEMA' SIZE '3'.
- FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE, VOICE AND DATA JACKS.
- FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE.
- DB — CLASSROOM DAYLIGHT SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX.
- DSC — CLASSROOM OCCUPANCY SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX.
- LIGHTING CONTROL SYSTEM PHOTOCONTROL SENSOR.
- $ab — LIGHTING CONTROL SYSTYEM LOW VOLTAGE CONTROL SWITCH ON FLUSH WALL MOUNTED OUTLET BOX, +45" SUBSCRIPT INDICATES THE FOLLOWINGS: a, b, c, d, ETC. MULTIPLE SWITCHED WITH IDENTIFICATION OF OUTLET CONTROLLED.
- $ — SWITCH FOR CONTROL OF LOW VOLTAGE LIGHTING RELAY(S), ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SEE SPECS.
- $4 — 4-SCENE WALL CONTROL STATION. SEE SPECS.
- T — VOICE/DATA CONDUIT AND WIRING, 1"C.
  - T1 — 1 1/4"C.
  - T2 — 1 1/2"C.
  - T3 — 2"C.

FIXTURE SCHEDULE

TYPE	DESCRIPTION	TOTAL WATTS	LAMP QUAN	LAMP WATTS	LAMP TYPE	MOUNTING
1	FLUORESCENT DIRECT/INDIRECT 2'X4' WITH PERFORATED BASKET. LSI #2LLC-X-3-28-RPW-SS5R	90	3	28	T5	RECESSED
1A	SAME AS TYPE 1 EXCEPT 2 LAMP.	60	2	28	T5	RECESSED
1B	SAME AS TYPE 1 EXCEPT 2'X2'	45	3	14	T5	RECESSED
1C	SAME AS TYPE 1B EXCEPT 2 LAMP	30	2	14	T5	RECESSED
2	FLUORESCENT 1 LAMP ROW PERIMETER THROUGH WITH ALUMINUM PARABOLIC LOUVER. LENGTH AS SHOWN. PRUDENTIAL #P80i-1T5-X-SPL-W-SC-X3B-	AS SHOWN	AS REQ'D	AS REQ'D	T5	RECESSED
3	FLUORESCENT 1'X4' ARCHITECTURAL WRAPAROUND WITH PRISMATIC LENS LSI #TSW11-2-28-SS5R	60	2	28	T5	RECESSED
4	FLUORESCENT 4' STRIPLIGHT WITH WIREGUARD WILLIAMS #77-4-228-WG11	60	2	28	T5	SURFACE
5	FLUORESCENT DIRECT/INDIRECT PENDANT, 2 LAMP ROW WITH WHITE CROSS BLADE, DUAL CIRCUITING, DIE-CAST END CAPS, WHITE FINISH, LENGTH AS SHOWN. SEE NOTE 10. FINELITE SERIES #S12-ID-WCB-X-2T5-DC-91W-OPEN-FA-CE	AS SHOWN	AS REQ'D	28	T5	PENDANT
6	FLUORESCENT ASYMMETRICAL WALL WASH FIXTURE, CROSS BLADE BAFFLE, 18" WALL BRACKETS, WHITE FINISH, LENGTH AS SHOWN. FINELITE SERIES #SX2-0-X-IT5-SC-96W-WM-FE	AS SHOWN	AS REQ'D	28	T5	WALL
7	FLUORESCENT 13" DIA. X 3.8"H WITH WHITE POLYCARBONATE DIFFUSER AND WHITE POLYCARBONATE HOUSING, WET LOCATION KENALL #MR13FL-PP-MW-42P-1-DV	45	1	42	PLT	SURFACE
8	FLUORESCENT 6" DIA. DOWNLIGHT WITH SELF-FLANGED SATIN GLOW REFLECTOR. WILLIAMS #PV60-132T-EB-SG	35	1	32	PLT	RECESSED
8A	SAME AS TYPE 8 EXCEPT WITH DIMMING BALLAST.	35	1	32	PLT	RECESSED
8B	SAME AS TYPE 8 EXCEPT WALL WASHER	35	1	32	PLT	RECESSED
8C	SAME TYPE 8 EXCEPT 42 WATT LAMP & DIMMING BALLAST.	45	1	42	PLT	RECESSED
9	FLUORESCENT 4.5" DIA. DOWNLIGHT WITH SELF-FLANGED SATIN GLOW REFLECTOR. PROVIDE WITH LUTRON COMPACT SE 3-WIRE DIMMING BALLAST. WILLIAMS #PV45-126T-DIM-SG	30	1	30	PLT	RECESSED
10	FLUORESCENT 22" HIGH DECORATIVE PENDANT WITH 16" DIA. ACRYLIC REFRACTOR, ACRYLIC DISK, GRAY POWER HEAD WITH DIMMING BALLAST, GRAY CANOPY WITH STRAIGHT GRAY POWER CORD AND CABLE SUSPENSION. PROVIDE WITH LUTRON COMPACT SE 3-WIRE DIMMING BALLAST. LIGHTOLIER #40431-40734X(U4MX2)-416DK-416DA	116	4	26	PLT	PENDANT
11	FLUORESCENT DOWNLIGHT WITH 1-1/8" DROPPED ACRYLIC LENS, STAINLESS STEEL TRIM RING, DAMP LOCATION APPROVED. LIGHTOLIER #SL205BT-SL205BFTEU	35	1	32	PLT	RECESSED
12	FLUORESCENT 16"H. DECORATIVE PENDANT WITH 9" DIA. WHITE GLASS SHADE, ACRYLIC DISK WITH STRAIGHT GRAY POWER CORD AND CABLE SUSPENSION. LIGHTOLIER #40471U3TM-409DKTM5-409DA-409WH	45	1	42	PLT	PENDANT
12A	SAME AS TYPE 12 EXCEPT WITH MX2 DIMMING BALLAST AND AMBER GLASS.	45	1	42	PLT	PENDANT
13	LED EDGE LIT EXIT SIGN WITH GREEN LETTERS, CAST ALUMINUM, HOUSING, 2 CIRCUIT CONCEALITE# CON-EDGE SERIES	4	-	-	LED	RECESSED
13A	SAME AS 13 EXCEPT DOUBLE-FACED WITH ARROWS AS SHOWN.	4	-	-	LED	RECESSED
13B	LED LIT EXIT SIGN WITH GREEN LETTERS, RECESSED MOUNT, LOW LEVEL. CONCEALITE# CON-X RECESSED REMOTE SERIES.	4	-	-	LED	RECESSED
14	CERMAIC METAL HALIDE 6"DIA. RECESSED DOWNLIGHT WITH PRISMATIC GLASS LENS ALUMINUM REFLECTOR AND ELECTRONIC BALLAST. WILLIAMS# CMH6D-70-T6/G12-CS-EB1	85	1	70	T6/G12	RECESSED
15	FLUORESCENT 16"W X 7 3/4"H. X 8"D. DIE-CAST WALL BRACKET UP/DOWNLIGHT NATURAL ALUMINUM PAINT FINISH, INVUE #ENV-64-UNV-CFG CUSTOM FINISH	70	2	32	PLT	WALL
16	HIGH PRESSURE SODIUM DIE-CAST ALUMINUM TYPE 4XL CUTOFF LUMINAIRE WITH HOUSE SIDE SHIELD ON 30' X 5" DIA. GALVANIZED STRAIGHT STEEL POLE. NATURAL ALUMINUM PAINT FINISH. GARDCO #G18-1-4XL-400 HPS-NP-LF-HS/SRS-30H-5-D1-FPGV-NP	190	1	150	HPS CLEAR	POLE
16A	SAME AS TYPE 16 EXCEPT TWIN FIXTURES AT 180 DEGREES, TYPE 4XL. GARDCO #G18-2-4XL-400HPS-SC-LF/SRS-30H-5-D2-FPGV-SC	380	2	150	HPS CLEAR	POLE
17	METAL HALIDE FLUSH GRADE WALL WASH FIXTURE, BRASS LENS RING, COMPOSITE HOUSING. KIM #LTV22-WW-70MH	90	1	70	ED-17	FLUSH W/GRADE
17A	SAME AS TYPE 17 EXCEPT ADJUSTABLE FLOODLIGHT.	90	1	70	ED-17	FLUSH W/GRADE
17B	METAL HALIDE FLUSH GRADE WALL WASH FIXTURE, BRASS LENS RING. COMPOSITE HOUSING. KIM #LTV722-WW-70MH	90	1	70	ED-17	FLUSH W/ GRADE
18	FLUORESCENT EXTERIOR WALL BRACKET 9.75"W X 9"H. X 8.75"D. CUTOFF TYPE. DIE-CAST HOUSING, PRISMATIC LENS. NATURAL FINISH. ALLSCAPE #BL-80-42CFT-PG-NA	45	1	42	PLT	WALL UP OR DOWNLIGHT POSITION AS NOTED ON PLANS
19	FLUORESCENT 4' INDUSTRIAL WITH 10% UPLIGHT, WIRE GUARD. WILLIAMS #82-4-228-WG11	60	2	28	T5	CHAIN HUNG
20	FLUORESCENT 4' ADJUSTABLE FLOODLIGHT WITH INTEGRAL BALLAST AND GASKETED LENS. WHITE FINISH. WINONA #P1-MSW-148T5-MS2-SG	30	1	28	T5	SURFACE WALL
20A	SAME AS TYPE 20 EXCEPT 144" LONG FULL LENGHT.	90	3	28	T5	SURFACE WALL
20B	SAME AS TYPE 20 EXCEPT 96" LONG. FINISH.	60	2	28	T5	SURFACE WALL
21	METAL HALIDE ADJUSTABLE FLOODLIGHTS, REGRESSED GLASS LENS, ASYMMETRIC DISTRIBUTION AND YOKE MOUNTING. WHITE WINONA #P2-SSW-MH39-SS3-SGW	50	1	39	T6-G12 3000K	SURFACE
22	FLUORESCENT 12" DIA. DRUM WITH WHITE POLYCARBONATE DIFFUSER. WILLIAMS #WAVR2-132T-GX24q-3-WO-O-WHT-TRST-UNV.	35	1	32	PLT	SURFACE
23	METAL HALIDE POST TOP MOUNTED FIXTURE WITH DIE-FORMED FIBER GLASS, MOLDED CLEAR POLYCARBONATE ENCLOSURE, ANTI CLARE RING, DIE CAST ALUMINUM BASE, STAINLESS STEEL STRUT AND H10 BALLAST. LOUIS POULSEN #SATT-MIN, 1/100W/MH POLE #RSA4. 5'-10'H.	130	1	100	ED-7	POLE
24	EMERGENCY LIGHTING FIXTURE WITH STEEL HOUSING, GLASS SEALED- ___ LAMPS, MAINTENANCE FREE NICKEL CADMIUM BATTERY. LITHONIA #ELT24-N-H-MT	20	2	6	HALOGEN	WALL
25	FLUORESCENT 48" LONG SOLID FRONT UNDER CABINET TASK LIGHT WITH PRISMATIC LENS AND INTEGRAL SWITCH ELECTRONIC BALLAST. WILLIAMS #1SF-48-132-EB1 OR EQUAL BY PRUDENTIAL, COLUMBIA, METALUX, LITHONIA.	35	1	32	T8	SURFACE
26	FLUORESCENT 48" LONG ANGLED WALL MOUNTED TASK LIGHT WITH OPAL ACRYLIC SHIELDING AND ELECTRONIC BALLAST. DAY-BRITE #AWB-1-32-A-EB101	35	1	32	T8	SURFACE
27	LED STEP LIGHT WITH ROUND SHAPE, DIE CAST ALUMINUM HOUSING AND COVER, POWER-PACK. NATURAL ALUMINUM PAINT. GARDCO #960-S-4-UNIV-NP	4	-	-	LED	SURFACE
28	FLOODLIGHT WITH DIECAST ALUMINUM HOUSING, UNIVERDAL SWIVEL KNUCKLE, ANODIZED REFLECTOR AND WIRE GUARD. HUBBELL# QL-505-BZ/QL-5G/QL-VS	300	1	300	HAL QTZ	SURFACE
29	LED TABLE LIGHT WITH CYLINDRICAL BODY NARROW BEAM AND WALL WASH, TRANSFORMER. EUREKA #3182	4	-	-	LED	SURFACE

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL FAMILIARIZE HIMSELF WITH ALL FEATURES OF THE SITE WHICH MAY EFFECT THE EXECUTION OF THIS PROJECT.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING MOUNTED FIXTURES, SMOKE DETECTORS, SPEAKERS & OUTLETS.
3. ALL CONDUIT PENETRATIONS OF FIRE RATED WALLS, FLOORS AND ROOF SHALL BE FIRE STOPPED. FIRE STOP MATERIALS SHALL BE TESTED ASSEMBLY APPROVED BY THE ORANGE COUNTY CITY OFFICE FIRE MARSHAL. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS.
4. ADJUST CEILING MOUNT SMOKE DETECTOR LOCATIONS IF REQUIRED TO PROVIDE 3 FOOT MINIMUM DISTANCE FROM SUPPLY AIR DIFFUSERS. CEILING MOUNT SMOKE DETECTORS AT FIRE DOORS, SHALL BE LOCATED 5 FOOT MAXIMUM FROM FIRE DOOR. CEILING MOUNTED SMOKE DETECTORS SHALL BE 4" MINIMUM FROM ADJACENT WALLS.
5. PROVIDE LOWRY FIRE RATED AND SOUND DEADENING CLAY PADS ON BACK & SIDES OF ALL OUTLETS & BACKBOXES IN COMMON WALLS OF BEDROOMS AND MEDITATION ROOM IN RATED WALLS AND WHERE INDICATED ON ARCHITECTURAL PLANS.
6. LOCATIONS OF DISCONNECT SWITCHES AND CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. VERIFY ACTUAL CONNECTION LOCATIONS WITH EQUIPMENT SHOP DRAWINGS AND LOCATE DISCONNECT SWITCHES TO PROVIDE CODE REQUIRED CLEARANCES AND ACCESS. DISCONNECT SWITCHES ON ROOF SHALL BE 30" MINIMUM ABOVE ROOF. IF MOUNTING OF DISCONNECTS DIRECTLY ON MECHANICAL EQUIPMENT IS NOT POSSIBLE, PROVIDE ANGLE IRON SUPPORT BRACKETS BOLTED TO ROOF FRAMING. ALL DISCONNECT SWITCHES SHALL BE NEMA 4 STAINLESS STEEL.
7. WHERE BACK-TO-BACK OUTLETS OCCUR IN NON-FIRE RATED WALLS, OFFSET OUTLETS 6" HORIZONTALLY OR VERICALLY.
8. WHERE BACK-TO-BACK OUTLETS OCCUR IN FIRE RATED WALLS, OFFSET OUTLETS 6" HORIZONTALLY OR VERICALLY AND APPLY 3M TYPE MPP-4S+ MOLDABLE PUTTY PAD, UL DESIGN #R9700(N).
9. COORDINATE WITH HVAC, PLUMBING AND FIRE SPRINKLER CONTRACTORS TO AVOID LOCATING DUCTS OR PIPING ABOVE ELECTRICAL PANELBOARDS IN ACCORDANCE WITH CEC ARTICLE 384-4.
10. LOCATIONS OF EXISTING UTILITIES ARE NOT SHOWN. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUIT, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER SHOWN OR NOT AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER SHOWN OR NOT OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
11. THE PROJECT WILL UTILIZE A METAL ROOF/CEILING SYSTEM IN MANY LOCATIONS THAT WILL EFFECT OUTLET AND WIRING INSTALLATION. ALL OUTLETS SHALL BE INSTALLED FLUSH IN THE METAL ROOF/CEILING SYSTEM AND WIRING SHALL BE INSTALLED CONCEALED IN THE FLUTES OF THE SYSTEM. THE ELECTRICAL CONTRACTOR SHALL STUDY THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND COORDINATE WITH THE GENERAL CONTRACTOR PRIOR TO BID AND SHALL INCLUDE ALL COSTS ASSOCIATED WITH INSTALLATION OF OUTLETS AND WIRING IN THE SPECIFIED METAL ROOF/CEILING SYSTEM.
12. ALL TELEPHONE AND DATA CONDUITS SHALL BE PROVIDED WITH APPROPRIATE PULL STRINGS IN PLACE IN ADDITION TO THE CORRECT CABLE.

FIXTURE NOTES

1. CONTRACTOR SHALL VERIFY ACTUAL CEILING CONSTRUCTION WITH ARCHITECTURAL REFLECTED CEILING PLANS AND PROVIDE CORRECT TRIM AND MOUNTING HARDWARE FOR RECESSED FIXTURES.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF FIXTURES.
3. CONTRACTOR SHALL VERIFY ACTUAL FIXTURE VOLTAGE REQUIRED (120 OR 277 VOLT), BASED ON CIRCUITING SHOWN ON THE DRAWINGS, PRIOR TO ORDERING FIXTURES.
4. AIM ADJUSTABLE LAMP FIXTURES AS DIRECTED BY THE ARCHITECT OR OWNER.
5. ALL FLUORESENT LAMP BALLASTS SHALL BE ELECTRONIC TYPE WITH LESS THAN 10% THD. BALLASTS SHALL BE COMPATIBLE WITH THE SPECIFIED OCCUPANCY SENSOR SWITCHES.
6. ALL LAMPS SHALL BE 3500 DEGREE KELVIN, 82 CRI MINIMUM AND SHALL BE BY THE SAME MANUFACTURER.
7. ALL FLUORESCENT DIMMING BALLASTS SHALL BE LUTRON ECOSYSTEM 10% FOR T5 LAMPS AND LUTRON COMPACT SE 5% FOR COMPACT LAMPS EXCEPT FIXTURE TYPE 2.
8. VERIFY MOUNTING HEIGHT OF ALL WALL AND PENDANT MOUNTED FIXTURES WITH ARCHITECT AND ADJUST CABLE PENDANT LENGTH.
9. PROVIDE DISCONNECTING MEANS FOR FLUORESCENT LUMINAIRES IN ACCORDANCE WITH NEC 410.73 (b).
10. PROVIDE GRIPLOCK SIESMIC BRACING SYSTEM FOR PENDANT MOUNTED FIXTURES INDICATED.
11. ALL FLOOR LEVEL EXIT SIGNS MUST BE INSTALLED WITHIN 4" OF THE DOOR FRAME.

UTILITY COMPANIES

POWER COMPANY: SCE
1241 SO. GRAND AVE.
SANTA ANA, CA. 92705
CONTACT: JEFF CESSNA
PHONE: (714)973-5454

TELEPHONE COMPANY: AT&T
3939 E. CORONADO STREET
ANAHEIM, CA. 92807
CONTACT: STEVE BASNEATTE
PHONE: (714)237-6075

CABLE/TV COMPANY: TIME WARNER CABLE
7142 CHAPMAN AVE.
GARDEN GROVE, CA. 92866
CONTACT: CHRIS DONNELLY
PHONE: (714)903-8307

County of Orange
OC PUBLIC WORKS
Architecture & Engineering

Revisions
0742
Sym. | Descrip. | Date | By

Consultants
FBA ENGINEERING
Consulting Engineers
3420 Irvine Avenue
Newport Beach, California 92660-3189
T: 949 852 9995 F: 949 852 1657
FBAengr.com
FBA # 446.025
Drawn ___ Chkd. ___ Date 11-26-09

A-E Seal

A-E ALEXANDER + HIBBS, AIA, INC.
ALEXANDER + HIBBS, AIA, INC.
Architecture and Planning
1200 N. JEFFERSON ST. SUITE A
ANAHEIM, CALIFORNIA 92807
(714) 630-3866
Design RH Chkd. JP Date Nov. 26, 2009

Sht Title GENERAL NOTES,SYMBOLS,FIXTURE SCHEDULE
Project COUNTY OF ORANGE HEALTH CARE AGENCY
401 SOUTH TUSTIN STREET

401 SOUTH TUSTIN STREET
ORANGE, CA 92866

PROJ. NO. 100-042-P210-4200

Plan No. 52333-03608

Sheet E-0.0

0742 COUNTY OF ORANGE HEALTH CARE AGENCY 401 SOUTH TUSTIN STREET
Filename: I:\446\025\E-0.0_446025.DWG (RHorrier) Dimscale: 1=(PS) Date: NOV 02, 2009 Time: 10:23 AM Xrefs: x401 Keyplan, x0742 BDR