

ELECTRICAL SYMBOL LIST

- ### LIGHTING SYMBOLS
- FLUORESCENT LIGHT FIXTURE, RECESSED
 - FLUORESCENT LIGHT FIXTURE, RECESSED - EMERGENCY
 - FLUORESCENT LIGHT FIXTURE, SURFACE MOUNT
 - FLUORESCENT LIGHT FIXTURE, SURFACE MOUNT - EMERGENCY
 - FLUORESCENT LIGHT FIXTURE, STRIP
 - FLUORESCENT LIGHT FIXTURE, STRIP - EMERGENCY
 - DOWNLIGHT FIXTURE, RECESSED
 - DOWNLIGHT FIXTURE, RECESSED, WALLWASH
 - DOWNLIGHT FIXTURE, RECESSED - EMERGENCY
 - FLUORESCENT LIGHT FIXTURE, WALL MOUNT
 - LIGHT FIXTURE, CEILING MOUNT
 - RECESSED LIGHT FIXTURE, WALL MOUNT
 - LIGHT FIXTURE, WALL MOUNT
 - LIGHT FIXTURE, WALL SCONCE
 - LIGHT FIXTURE, TRACK W/ HEADS AS SHOWN ON PLAN
 - EXIT SIGN, UNIVERSAL MOUNT, W/ DIRECTIONAL ARROW
 - EXIT SIGN, WALL MOUNT, +8'-0" A.F.F.
 - EMERGENCY LIGHT W/ BATTERY PACK, +8'-0" A.F.F.
 - FLOOD LIGHT
 - H.I.D. AREA LUMINAIRE
 - H.I.D. AREA LUMINAIRE W/STANDBY LAMP
 - H.I.D. AREA LUMINAIRE, WALL MOUNT
 - H.I.D. AREA LUMINAIRE, POLE MOUNT
 - EXISTING FLUORESCENT LIGHT FIXTURE, RECESSED
 - EXISTING FLUORESCENT LIGHT FIXTURE, SURFACE MOUNT
 - EXISTING LIGHT FIXTURE, CEILING MOUNT
 - EXISTING LIGHT FIXTURE, WALL MOUNT
 - EXISTING FLUORESCENT LIGHT FIXTURE, STRIP

- ### SWITCH SYMBOLS
- SWITCH, SPST +48" A.F.F.
 - SWITCH, DPST +48" A.F.F.
 - SWITCH, 3-WAY +48" A.F.F.
 - SWITCH, 4-WAY +48" A.F.F.
 - SWITCH, MOMENTARY +48" A.F.F.
 - SWITCH, DIMMER +48" A.F.F.
 - SWITCH, SPST, W/PILOT LIGHT +48" A.F.F.
 - SWITCH, 3-WAY, W/PILOT LIGHT +48" A.F.F.
 - SWITCH, KEY-OPERATED +48" A.F.F.
 - SWITCH, TIMED +48" A.F.F.
 - EXISTING SWITCH, SPST +48" A.F.F.
 - PHOTOCELL CONTROL
 - OCCUPANCY SENSOR CONTROL

- ### WIRING SYMBOLS
- PANEL & CIRCUIT NUMBER
 - HOMERUN TO PANEL
 - CONDUCTOR SIZE (IF OTHER THAN #12)
 - PHASE CONDUCTOR
 - NEUTRAL CONDUCTOR
 - GROUND CONDUCTOR
 - CONCEALED CONDUIT
 - CONDUIT SIZE
 - CONDUIT (UNDER SLAB OR FLOOR)
 - FLEXIBLE CONNECTION
 - CONDUIT, STUBBED & CAPPED

- ### POWER SYMBOLS
- RECEPTACLE, DUPLEX +18" A.F.F.
 - RECEPTACLE, QUAD +18" A.F.F.
 - RECEPTACLE, DUPLEX +6" ABV COUNTER
 - RECEPTACLE, DUPLEX +18" A.F.F. (ONE OUTLET SWITCHED)
 - RECEPTACLE, DUPLEX +18" A.F.F. (BOTH OUTLETS SWITCHED)
 - RECEPTACLE, DUPLEX, PEDESTAL MOUNT
 - RECEPTACLE, DUPLEX, FLUSH FLOOR MOUNT
 - RECEPTACLE, SPECIAL (COORDINATE WITH EQUIPMENT SERVED)
 - PLUGMOLD RACEWAY LENGTH & OUTLET CENTERS AS INDICATED ON PLAN
 - POWER POLE
 - MAGNETIC MOTOR STARTER
 - MAGNETIC CONTACTOR
 - RELAY
 - TIME CLOCK CONTROL
 - PUSHBUTTON STATION
 - JUNCTION BOX
 - JUNCTION BOX, EMERGENCY CIRCUIT
 - THERMOSTAT
 - TRANSFORMER
 - DISCONNECT, NON-FUSED
 - DISCONNECT, FUSED
 - ELECTRICAL CONNECTION
 - ELECTRICAL CONNECTION, SINGLE MOTOR
 - ELECTRICAL CONNECTION, MULTI-MOTOR
 - EXISTING RECEPTACLE
 - ELECTRICAL DISTRIBUTION PANEL, RECESSED
 - ELECTRICAL DISTRIBUTION PANEL, SURFACE
 - MISCELLANEOUS PANEL, RECESSED
 - MISCELLANEOUS PANEL, SURFACE
 - FLUSH FLOOR BOX (W/ DEVICES AS SHOWN ON PLAN)
 - ELECTRIC BASEBOARD HEATER (WATTAGE NOTED)

- ### SIGNAL SYMBOLS
- TELEPHONE OUTLET +18" A.F.F.
 - DATA OUTLET +18" A.F.F.
 - DATA/TELEPHONE OUTLET +18" A.F.F.
 - TELEPHONE OUTLET, PEDESTAL MOUNT
 - CLOCK
 - SIGNAL BELL
 - SIGNAL BUZZER
 - SIGNAL HORN
 - VISUAL ALARM SIGNAL (COLOR AS INDICATED ON PLAN)
 - P.A. SPEAKER
 - P.A. CALL SWITCH
 - CATV OUTLET (LOCATE AS SHOWN ON PLANS)
 - CCTV CAMERA
 - INTRUSION SENSOR

- ### FIRE ALARM SYMBOLS
- FIRE ALARM MANUAL PULL STATION, +48" A.F.F.
 - MAGNETIC DOOR HOLDER
 - SMOKE DETECTOR, DUCT, IONIZATION TYPE W/SAMPLING TUBE
 - SMOKE DETECTOR, DUCT, PHOTO TYPE W/SAMPLING TUBE
 - SMOKE DETECTOR, IONIZATION TYPE
 - SMOKE DETECTOR, PHOTO TYPE
 - HEAT DETECTOR, RATE-OF-RISE OR FIXED TEMP.
 - FIRE MAIN FLOW DETECTION SWITCH
 - FIRE MAIN TAMPER DETECTION SWITCH
 - FIRE ALARM BELL, +80" A.F.F.
 - FIRE ALARM HORN, +80" A.F.F.
 - FIRE ALARM HORN/STROBE, +80" A.F.F.
 - FIRE ALARM STROBE, +80" A.F.F.
 - CARBON MONOXIDE DETECTOR

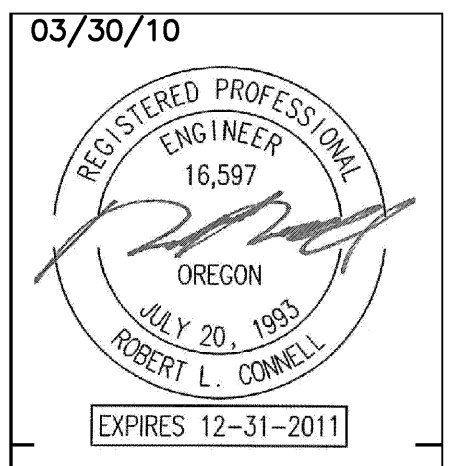
- ### ONE-LINE DIAGRAM SYMBOLS
- ELECTRICAL DISTRIBUTION PANELBOARD (MLO)
 - ELECTRICAL DISTRIBUTION PANELBOARD (MCB)
 - SUB-FEED CIRCUIT BREAKER
 - CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
 - MAIN SWITCH (RATING & POLES AS INDICATED ON PLAN)
 - FUSE (RATING & CLASS AS INDICATED ON PLAN)
 - TRANSFER SWITCH (MANUAL OR AUTOMATIC)
 - GENERATOR (RATING AS INDICATED ON PLAN)
 - TRANSFORMER (RATING AS INDICATED ON PLAN)
 - GROUND
 - GROUND GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
 - WATER PIPE GROUND ELECTRODE
 - TRANSIENT VOLTAGE SURGE SUPPRESSOR
 - UTILITY METER & METER BASE
 - UTILITY METER CURRENT TRANSFORMER
 - FEEDER NO. (SEE FEEDER SCHEDULE)

- MOTOR STARTER
- 'NEMA' SIZE (AS INDICATED ON PLAN)
- STARTER TYPE (AS INDICATED ON PLAN)
- MOTOR (HORSEPOWER AS INDICATED ON PLAN)
- EXHAUST FAN
- VOLTMETER (SCALE AS INDICATED ON PLANS)
- AMMETER (SCALE AS INDICATED ON PLANS)
- WATTMETER (SCALE AS INDICATED ON PLANS)
- CURRENT TRANSFORMER (RATING AS INDICATED ON PLANS)
- POTENTIAL TRANSFORMER (RATING AS INDICATED ON PLANS)
- INSTRUMENT SWITCH (TYPE AS INDICATED ON PLANS)

- ### ABBREVIATIONS
- 'A' LIGHT FIXTURE TYPE (SEE FIXTURE LIST)
 - A.F.F. ABOVE FINISHED FLOOR
 - A.T.S. TRANSFER SWITCH, AUTOMATIC
 - C CONDUIT
 - C.O. CONDUIT ONLY
 - CATV CABLE TELEVISION
 - CB CIRCUIT BREAKER
 - CCTV CLOSED CIRCUIT TELEVISION
 - C.T. CURRENT TRANSFORMER
 - (E) EXISTING
 - E.L. EMERGENCY LIGHT
 - E.L.C. EXTERIOR LIGHTING CONTROL
 - FACP FIRE ALARM CONTROL PANEL
 - FVNR FULL VOLTAGE NON REVERSING
 - G.F.I. GROUND FAULT INTERRUPTER
 - GND GROUND
 - H.I.D. HIGH INTENSITY DISCHARGE
 - HP HORSEPOWER
 - I.G. ISOLATED GROUND
 - I R INFRARED
 - JB JUNCTION BOX
 - MCB MAIN CIRCUIT BREAKER
 - MLO MAIN LUGS ONLY
 - M.T.S. TRANSFER SWITCH, MANUAL
 - (N) NEW
 - N.I.C. NOT IN CONTRACT
 - N.L. NIGHT LIGHT
 - OL OVERLOAD
 - O.L.C. OFFICE LIGHTING CONTROL
 - P POLE
 - P.A. PUBLIC ADDRESS
 - PH PHASE
 - T.V.S.S. TRANSIENT VOLTAGE SURGE SUPPRESSOR
 - U.G. UNDERGROUND
 - U.O.N. UNLESS OTHERWISE NOTED
 - VFD VARIABLE FREQUENCY DRIVE
 - W WIRE
 - W.G. WIRE GUARD
 - W.P. WEATHERPROOF
 - X.P. EXPLOSION PROOF

- ### NOTATIONS
- DRAWING NOTE
 - DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
 - MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
 - EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
 - EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
 - EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
 - FIXTURE REFERENCE: TOP=TYPE, BOTTOM=LAMP QTY & WATTS

NOTE: SOME OF THE SYMBOLS AND ABBREVIATIONS ON THIS LIST MAY NOT APPLY TO THIS PROJECT.



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ELECTRICAL SYMBOL LIST

REVISIONS:	
DATE:	12/02/09
SCALE:	NONE
DRAWN:	WHF
JOB NO.:	0834

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