

ELECTRICAL SYMBOL LIST

LIGHTING SYMBOLS

	FLUORESCENT LIGHT FIXTURE, RECESSED
	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 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
	CEILING FAN
	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, 3-SPEED FAN W/ REVERSE +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

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

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, PEDESTAL MOUNT
	RECEPTACLE, DUPLEX, FLUSH FLOOR MOUNT
	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

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

LIGHTING FIXTURE LIST

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
FA1 FA1E	(2) F32T8 (64W)	LITHONIA (OR APPROVED OTHER)	CLM SERIES	TYPE :4 FT WRAPAROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :277V BALLAST :ELECTRONIC	TYPE 'FA1E' SIMILAR TO 'FA1' EXCEPT WITH EMERGENCY BATTERY BALLAST.
FA2	(2) F32T8 (64W)	LITHONIA (OR APPROVED OTHER)	AF SERIES	TYPE :4 FT INDUSTRIAL TRIP MOUNTING :CHAIN HUNG TO +8'-0" AFF HOUSING :STEEL LENS/REFL :NA VOLTAGE :277V BALLAST :ELECTRONIC	
FA3E	(2) 18 DIT (40W)	GOETHAM (OR APPROVED OTHER)	LAF SERIES	TYPE :11 INCH SQUARE DOWN LIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :TEMPERED PRISMATIC LENS VOLTAGE :277V BALLAST :ELECTRONIC	REFER TO SHEET NOTES #7 & #8 ON SHEET E1.12 FOR ADDITIONAL INFORMATION. PROVIDE REMOTE EMERGENCY BATTERY PACK.
FB1 FB1E	(2) BF32T8 (64W)	LITHONIA (OR APPROVED OTHER)	GT8 SERIES	TYPE :2X2 TROFFER MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :277V BALLAST :ELECTRONIC	TYPE 'FB2E' SIMILAR TO 'FB2' EXCEPT WITH EMERGENCY BATTERY BALLAST.
FB2 FB2E	(2) F32T8 (64W)	LITHONIA (OR APPROVED OTHER)	GT8 SERIES	TYPE :2X4 TROFFER MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :277V BALLAST :ELECTRONIC	TYPE 'FB2E' SIMILAR TO 'FB2' EXCEPT WITH EMERGENCY BATTERY BALLAST.
CF	NONE 0.44 AMPS (122W)	ENVIROFAN (OR APPROVED OTHER)	SILVER LINE 60C-9 SERIES	TYPE :CEILING FAN (REVERSING) MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :N/A VOLTAGE :277V BALLAST :N/A	SEE NOTES ON SHEET E1.11 FOR ADDITIONAL INFORMATION
CF1	NONE 0.30 AMPS (82W)	ENVIROFAN (OR APPROVED OTHER)	GOLD LINE 136F-7 SERIES	TYPE :CEILING FAN (REVERSING) MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :N/A VOLTAGE :277V BALLAST :N/A	SEE NOTES ON SHEET E1.11 FOR ADDITIONAL INFORMATION CF1 TO BE USED IN ROOMS WITH 8'-0" CEILINGS. CONTRACTOR TO PROVIDE COMPARABLE ALTERNATIVE FOR LOW PROFILE FIXTURE.

GENERAL LIGHTING NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATION.
- ALL FIXTURES SHALL MEET SCHOOL DISTRICT STANDARDS. CONTRACTOR SHALL SUBMIT ALL PRODUCTS FOR APPROVAL PRIOR TO ROUGH IN.
- ALL FINISHES SHALL BE PER ARCHITECT'S DIRECTION.
- ALL CEILING FANS SHALL BE PROVIDED WITH ENVIROFAN SPEED CONTROL SWITCH MODEL 105FR WITH REVERSING CAPABILITY, OR APPROVED EQUAL. MOUNT SWITCH AT 48" A.F.F. AS INDICATED ON PLANS, UNLESS OTHERWISE NOTED.

RECORD DRAWING:

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RECORD SET
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JEWELL ELEMENTARY REMODEL
20350 MURPHY ROAD
BEND OREGON
ELECTRICAL LEGEND AND SCHEDULES

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REVISIONS APPENDIX 1	DATE 4/13/15

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E0.01
OF SHEETS