

ELECTRICAL SYMBOL LIST

LIGHTING SYMBOLS

	LIGHT FIXTURE, RECESSED
	LIGHT FIXTURE, RECESSED - EMERGENCY
	LIGHT FIXTURE, SURFACE MOUNT
	LIGHT FIXTURE, SURFACE MOUNT - EMERGENCY
	LIGHT FIXTURE, PENDANT HUNG
	DOWNLIGHT FIXTURE, RECESSED
	DOWNLIGHT FIXTURE, RECESSED - EMERGENCY
	LIGHT FIXTURE, WALL MOUNT
	LIGHT FIXTURE, PENDANT HUNG
	LIGHT FIXTURE, WALL MOUNT
	LIGHT FIXTURE, WALL SCONCE
	LIGHT FIXTURE, UNDER CABINET/SHELF
	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
	AREA LUMINAIRE, POST TOP
	AREA LUMINAIRE, BOLLARD
	AREA LUMINAIRE, WALL MOUNT
	AREA LUMINAIRE, POLE MOUNT
	SWITCH, SPST +48" A.F.F.
	SWITCH, DPST +48" A.F.F.
	SWITCH, 3-WAY +48" A.F.F.
	SWITCH, DIMMER +48" A.F.F.
	SWITCH, KEY-OPERATED +48" A.F.F.
	SWITCH, TIMED +48" A.F.F.
	PHOTOCELL CONTROL
	OCCUPANCY SENSOR CONTROL

WIRING SYMBOLS

	2A-9 PANEL & CIRCUIT NUMBER
	#10 HOMERUN TO PANEL
	CONDUCTOR SIZE (IF OTHER THAN #12)
	PHASE CONDUCTOR
	NEUTRAL CONDUCTOR
	GROUND CONDUCTOR
	CONCEALED CONDUIT
	FLEXIBLE CONNECTION
	CONDUIT, STUBBED & CAPPED
	NORMAL POWER CIRCUIT LINETYPE
	EMERGENCY POWER CIRCUIT LINETYPE
	EXISTING POWER CIRCUIT LINETYPE

1. SYMBOLS & ABBREVIATIONS MAY OR MAY NOT APPLY TO PROJECT
2. REFER TO LOW VOLTAGE DRAWINGS FOR ASSOCIATED SYMBOLS

POWER SYMBOLS

	RECEPTACLE, SINGLE +18" A.F.F.
	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)
	WIRE MOLD, SURFACE MOUNT +6" ABV COUNTER
	RECEPTACLES AT SPECIFIED INTERVALS (SEE POWER PLANS).
	PUSHBUTTON STATION
	JUNCTION BOX
	THERMOSTAT
	TRANSFORMER
	DISCONNECT, NON-FUSED
	DISCONNECT, FUSED
	ELECTRICAL CONNECTION
	ELECTRICAL CONNECTION, SINGLE MOTOR
	ELECTRICAL DISTRIBUTION PANEL, RECESSED
	ELECTRICAL DISTRIBUTION PANEL, SURFACE
	MISCELLANEOUS PANEL, RECESSED
	MISCELLANEOUS PANEL, SURFACE
	FLUSH FLOOR BOX (W/ DEVICES AS SHOWN ON PLAN)
	FIRE SMOKE DAMPER

ONE-LINE DIAGRAM SYMBOLS

	PANEL 'A' ELECTRICAL DISTRIBUTION PANELBOARD (MLO)
	PANEL 'A' ELECTRICAL DISTRIBUTION PANELBOARD (MCB)
	SUB-FEED CIRCUIT BREAKER
	200/3 CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
	GROUND GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
	WATER PIPE GROUND ELECTRODE
	UTILITY METER & METER BASE
	C.T. UTILITY METER CURRENT TRANSFORMER
	1 FEEDER NO. (SEE FEEDER SCHEDULE)

ABBREVIATIONS

'A'	LIGHT FIXTURE TYPE (SEE FIXTURE LIST)
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINAL GRADE
A.F.I.	ARC FAULT INTERRUPTER
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
C.T.	CURRENT TRANSFORMER
(E)	EXISTING
FACP	FIRE ALARM CONTROL PANEL
G.F.I.	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
JB	JUNCTION BOX
LCP	LIGHTING CONTROL PANEL
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
N.I.C.	NOT IN CONTRACT
N.L.	NIGHT LIGHT
P	POLE
PC	PARTIAL CIRCUIT
PH	PHASE
PRI	PRIMARY
R.T.U.	REMOTE TELEMETRY UNIT
SEC	SECONDARY
U.G.	UNDERGROUND
W	WIRE
W.G.	WIRE GUARD
W.P.	WEATHERPROOF

NOTATIONS

	1 DRAWING NOTE
	2 DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
	EF MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
	A EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
	AA EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
	AA EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
	A 2-32 FIXTURE REFERENCE: TOP=TYPE, BOTTOM=LAMP QTY & WATTS

FIRE-RATED INSTALLATION NOTE:

ELECTRICAL ITEMS (LIGHT FIXTURES, BOXES, ETC.) WHICH ARE RECESSED INTO FIRE-RATED CEILINGS OR WALLS, SHALL BE 'ALCOVED' IN GYPSUM BOARD ENCLOSURES PER ARCHITECTURAL DETAILS, OR THE DEVICES SHALL BE 'UL' LISTED WITH FIRE-RATING EQUAL TO OR GREATER THAN THE FIRE-RATING OF THE ADJACENT CONSTRUCTION.

GENERAL ELECTRICAL NOTES:

- ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE & NATIONAL CODES.
- CONTRACTOR SHALL REVIEW THE DIVISION 26 SPECIFICATIONS AND THE ENTIRE DRAWING PACKAGE FOR THIS PROJECT PRIOR TO THE START OF ANY WORK.
- THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH ALL OTHER TRADES AND PROVIDE THE APPROPRIATE POWER CONNECTION(S) AND COORDINATE EXACT LOCATIONS PRIOR TO ROUGH IN.
- THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT OF ANY DISCREPANCIES DISCOVERED WITHIN THE DOCUMENTS.
- ALL PRODUCT SUBMITTALS AND SUBSTITUTIONS SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACING ANY ORDERS.
- THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR EXACT LOCATION(S) AND ELEVATIONS FOR FIXTURES & DEVICES.
- SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON INDUSTRY STANDARD PRODUCTS. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT WILL FIT THE SPACE AND MAINTAIN REQUIRED WORKING CLEARANCES.
- REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR EXACT LOCATION(S) AND ELEVATIONS FOR FIXTURES & DEVICES.
- COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE UTILITY PROVIDER'S ELECTRICAL SERVICE REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL CONSULT ARCHITECTURAL AND INTERIOR DECORATOR'S PLAN DOCUMENTS SUCH AS INTERIOR ELEVATIONS, REFLECTED CEILING PLANS, ETC., FOR FIXTURE AND DEVICE DIMENSIONS NOT OTHERWISE NOTED ON THE ELECTRICAL PLANS.

GENERAL LIGHTING NOTES:

- ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING AND BALLASTS.
- LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.
- EXTERIOR LIGHT FIXTURES SHALL BE "NIGHT SKY" FRIENDLY.
- VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID.
- VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.
- VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.
- ALL INTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.
- ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.
- CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL FIXTURES AND DEVICES AND INSTALL AS INSTRUCTED. THIS INCLUDES ALL ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.
- IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR ANY APPROVED, SUBSTITUTED FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.

GENERAL CONSTRUCTION NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY REVIEWING THE PLANS AND SPECIFICATION DOCUMENTS PRIOR TO THE START OF ANY WORK. ANY DISCREPANCIES IN THE PROJECT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY AND PRIOR TO THE START OF ANY WORK.
- ALL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED AS IS STANDARD BUILDING PRACTICE.
- ALL ELECTRICAL PLANS ARE DIAGRAMMATICAL AND THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES AND FIXTURES.
- THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTATION AND COORDINATE WITH ALL OTHER TRADES THROUGHOUT THE COURSE OF THE PROJECT.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES. CONTRACTOR SHALL BE RESPONSIBLE TO BE INFORMED OF ALL SUCH CODES AS THEY APPLY TO THE SCOPE OF THE PROJECT.