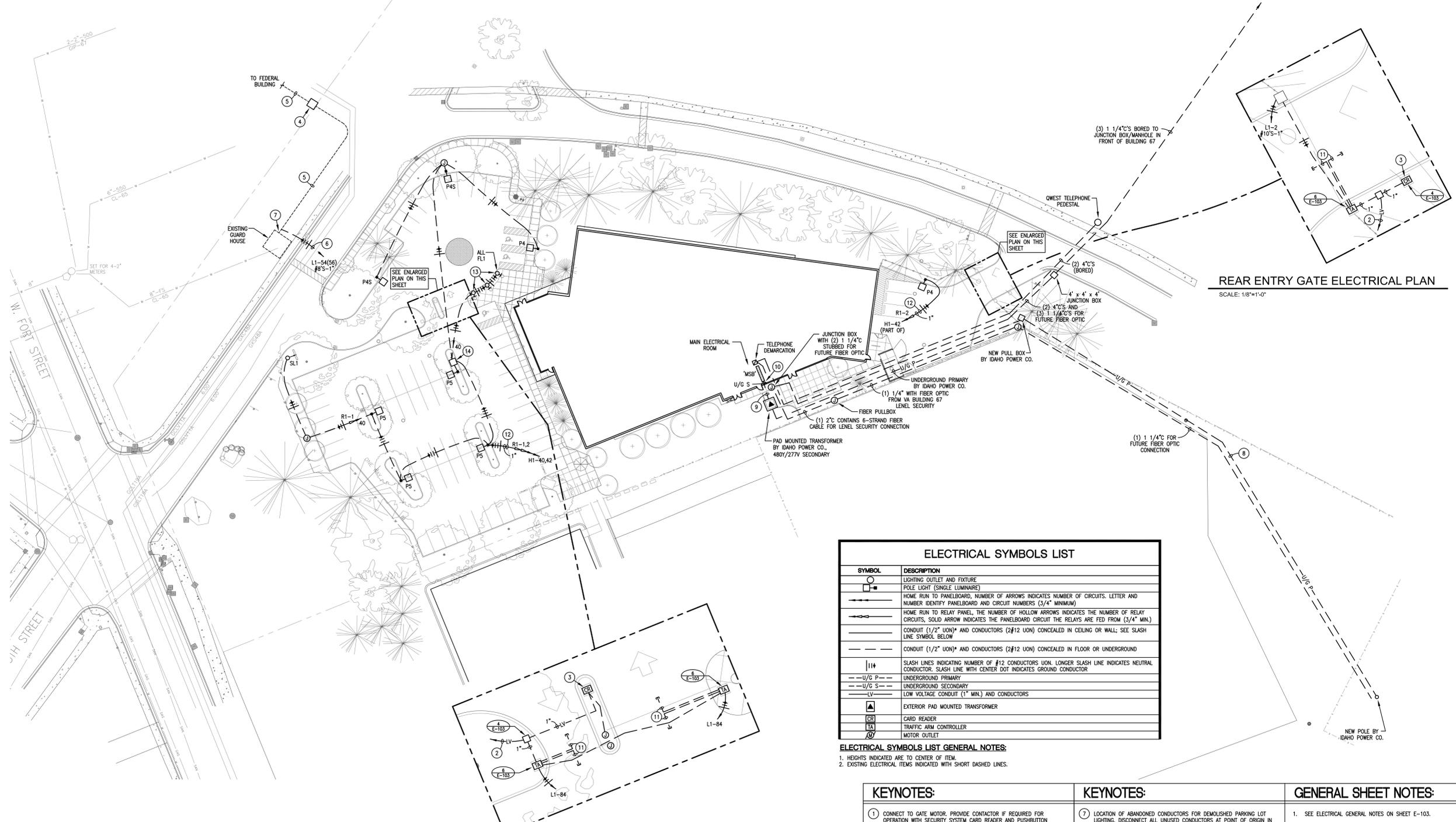


three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one quarter inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot
 one sixteenth inch = one foot



REAR ENTRY GATE ELECTRICAL PLAN
 SCALE: 1/8"=1'-0"

FRONT ENTRY GATE ELECTRICAL PLAN
 SCALE: 1/8"=1'-0"

SITE ELECTRICAL PLAN
 SCALE: 1"=30'-0"

ELECTRICAL SYMBOLS LIST	
SYMBOL	DESCRIPTION
(Circle with dot)	LIGHTING OUTLET AND FIXTURE
(Square with dot)	POLE LIGHT (SINGLE LUMINAIRE)
(Line with arrows)	HOME RUN TO PANELBOARD, NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER IDENTIFY PANELBOARD AND CIRCUIT NUMBERS (3/4" MINIMUM)
(Line with hollow arrows)	HOME RUN TO RELAY PANEL, THE NUMBER OF HOLLOW ARROWS INDICATES THE NUMBER OF RELAY CIRCUITS. SOLID ARROW INDICATES THE PANELBOARD CIRCUIT THE RELAYS ARE FED FROM (3/4" MIN.)
(Line with slash)	CONDUIT (1/2" UON*) AND CONDUCTORS (2#12 UON) CONCEALED IN CEILING OR WALL; SEE SLASH LINE SYMBOL BELOW
(Line with slash)	CONDUIT (1/2" UON*) AND CONDUCTORS (2#12 UON) CONCEALED IN FLOOR OR UNDERGROUND
(Line with slash and dot)	SLASH LINES INDICATING NUMBER OF #12 CONDUCTORS UON. LONGER SLASH LINE INDICATES NEUTRAL CONDUCTOR. SLASH LINE WITH CENTER DOT INDICATES GROUND CONDUCTOR
(Line with U/G P)	UNDERGROUND PRIMARY
(Line with U/G S)	UNDERGROUND SECONDARY
(Line with LV)	LOW VOLTAGE CONDUIT (1" MIN.) AND CONDUCTORS
(Square with T)	EXTERIOR PAD MOUNTED TRANSFORMER
(Square with CR)	CARD READER
(Square with TA)	TRAFFIC ARM CONTROLLER
(Circle with M)	MOTOR OUTLET

ELECTRICAL SYMBOLS LIST GENERAL NOTES:
 1. HEIGHTS INDICATED ARE TO CENTER OF ITEM.
 2. EXISTING ELECTRICAL ITEMS INDICATED WITH SHORT DASHED LINES.

KEYNOTES:	KEYNOTES:	GENERAL SHEET NOTES:
① CONNECT TO GATE MOTOR. PROVIDE CONTACTOR IF REQUIRED FOR OPERATION WITH SECURITY SYSTEM CARD READER AND PUSHBUTTON CONTROLS. ② TO LENEL CONTROL PANEL. ROUTE TO MAIN ELECTRICAL ROOM AND MAKE CONNECTION DURING BUILDING CONSTRUCTION PHASE. ③ INSTALL IN PEDESTAL. SEE DETAIL 5/E-103. ④ EXISTING PULLBOX TO REMAIN. ⑤ DISCONNECT EXISTING FEEDER CONDUCTORS FROM EXISTING GUARD HOUSE AT 50A/2P BREAKER, CIRCUITS 40(42), IN EXISTING PANEL P-63(26-08) IN JAMES MCCLURE FEDERAL BUILDING BASEMENT. REMOVE EXISTING METER AT PANEL. REMOVE CONDUCTORS OR COVER ALL CONDUCTOR ENDS WITH ELECTRICAL TAPE OR WIRENUTS AND LABEL 'ABANDONED'. ⑥ DISCONNECT EXISTING POWER FROM FEDERAL BUILDING AND ROUTE NEW POWER TO MAIN ELECTRICAL ROOM. CONNECT TO PANEL DURING BUILDING CONSTRUCTION PHASE.	⑦ LOCATION OF ABANDONED CONDUCTORS FOR DEMOLISHED PARKING LOT LIGHTING. DISCONNECT ALL UNUSED CONDUCTORS AT POINT OF ORIGIN IN PANEL '60' IN JAMES MCCLURE FEDERAL BUILDING BASEMENT. REMOVE CONDUCTORS OR COVER ALL CONDUCTOR ENDS WITH ELECTRICAL TAPE OR WIRENUTS AND LABEL 'ABANDONED'. ⑧ CONFIRM SITE CONDITIONS FOR COORDINATION OF CONDUIT ROUTING AND TRENCHING NEAR EXISTING VEGETATION. ⑨ PROVIDE (4) 4"EC FROM FUTURE 'MSB' LOCATION AND STUB OUT 5' FROM BUILDING. COORDINATE WITH IDAHO POWER COMPANY. ⑩ INSTALL CONCRETE ENCASED ELECTRODE, 20" OF BARE 3/0(CU) IN BUILDING FOOTING, BOND TO REBAR. ⑪ SAWCUT FOR LOOP DETECTOR CABLE. STUB TO LOOP DETECTOR AS REQUIRED. INSTALL AND TERMINATE LOOP DETECTOR CABLES AS REQUIRED. ⑫ ROUTE TO MAIN ELECTRICAL ROOM, MAKE ALL CONNECTIONS TO PANELS IN BUILDING CONSTRUCTION PHASE. ⑬ CONNECT FLAG POLE LIGHTS TO RELAY R1-1. ⑭ PROVIDE FIBERGLASS PULLBOX, SEE DETAIL 4/E-103.	1. SEE ELECTRICAL GENERAL NOTES ON SHEET E-103.

RECORD DRAWINGS -- JULY 28, 2009
FULLY SPRINKLERED

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