

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION | MOUNTING |
|--------|---|------------------------------------|
| | INCANDESCENT OR HID LIGHT, "A" INDICATES FIXTURE, "2" INDICATES CIRCUIT, "b" INDICATES SWITCH CONTROL (CALL-OUTS TYP. FOR ALL FIXTURES) | CEILING |
| | FLUORESCENT LIGHTING FIXTURE, | CEILING |
| | INCANDESCENT OR HID, WALL BRACKET | WALL |
| | SINGLE POLE SWITCH | M.H. 48" AFF TO TOP |
| | PHOTO CELL | M.H. 7'-0" AFG TO TOP |
| | DUPLEX RECEPTACLE - 120VAC, NUMBER INDICATES CIRCUIT LOWER CASE LETTER INDICATES SWITCH (CALL-OUTS TYPICAL) | M.H. 16" AFF TO TOP |
| | RECEPTACLE GROUND FAULT PROTECTED. | M.H. 16" AFF TO BOTTOM |
| | NON-FUSIBLE DISCONNECT SWITCH | M.H. 6'-0" TO TOP OR AS NOTED |
| | FUSIBLE DISCONNECT SWITCH, NUMBERS INDICATE SWITCH SIZE AND FUSE SIZE | M.H. 6'-0" TO TOP OR ON EQUIPMENT |
| | NORMALLY OPEN CONTACT | |
| | NORMALLY CLOSED CONTACT | |
| | CONTROL RELAY | |
| | MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION (MANUAL MOTOR STARTER) | M.H. 48" AFF TO BOTTOM OR AS NOTED |
| | RACEWAY RISER, UP OR DOWN AS NOTED | N/A |
| | HOMERUN TO PANELBOARD, WIRE QUANTITIES—LONG LINES INDICATE NEUTRAL CONDUCTORS, SHORT LINES INDICATE HOT (SWITCHED OR UNSWITCHED) LEGS. CONDUCTORS #12 AWG AND 1" CONDUIT, UNLESS OTHERWISE NOTED. | N/A |
| | DRIVEN GROUND | N/A |
| | FLUORESCENT LIGHTING FIXTURE | CEILING |
| | POWER POLE, PROPOSED | |
| | POWER POLE, EXISTING | |
| | HANDHOLE OR PULL BOX, PROPOSED | |
| | CONDUIT-DIRECT BURIAL OR IN SLAB | N/A |
| | CONDUIT-EXPOSED | N/A |
| | CONDUIT-CONCEALED | N/A |
| | ENCLOSED COMBINATION STARTER | M.H. 6'-0" TO TOP OR AS NOTED |

TRAFFIC SIGNAL LEGEND

| SYMBOL | | DESCRIPTION | MOUNTING |
|----------|----------|---|----------|
| PROPOSED | EXISTING | | |
| | | UTILITY POLE | |
| | | CONTROL CABINET | |
| | | LOOP DETECTOR, 6'-0"x6'-0" | |
| | | TRAFFIC SIGNAL INDICATION W/BACKPLATE | |
| | | TRAFFIC SIGNAL INDICATION W/DIRECTIONAL ARROW AND BACKPLATE | |
| | | PEDESTRIAN INDICATION | |
| | | HAZARD BEACON, ONE WAY | |
| | | STREET NAME SIGN INTERNALLY ILLUMINATED | |
| | | CURB FLASHER | |
| | | TRAFFIC SIGNAL MAST ARM | |
| | | TRAFFIC SIGNAL AND LUMINAIRE ON MAST ARMS | |
| | | PEDESTRIAN PUSHBUTTON INDICATING DIRECTION OF CONTROL | |
| | | CONDUIT RUN NUMBER | |
| | | QUADRANT ARM OR SIGNAL LOCATION(TOP VIEW) <small>NOTE: QUADRANT IS IN RELATION WITH DRAWING NOT WITH THE NORTH ARROW</small> | |
| | | CONDUIT RUN | |

ABBREVIATIONS

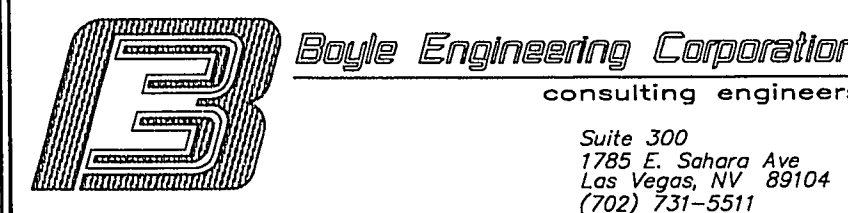
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|----------|-------------------------------|
| A | AMPERE |
| ATS | AUTOMATIC TRANSFER SWITCH |
| C | CONDUIT |
| EMG | EMERGENCY |
| ETM | ELAPSED TIME METER |
| FVNR | FULL VOLTAGE NON-REVERSING |
| H-O-A | HAND-OFF-AUTOMATIC SELECTOR |
| HH | HANDHOLE |
| HID | HIGH INTENSITY DISCHARGE |
| HP | HORSEPOWER |
| INSTRUM | INSTRUMENTATION |
| KVA | KILO-VOLT AMPERE |
| MCC | MOTOR CONTROL CENTER |
| MCP | MOTOR CIRCUIT PROTECTOR |
| NEC | NATIONAL ELECTRIC CODE 1990 |
| OL | OVERLOADS |
| P | POLE |
| PLC | PROGRAMMABLE LOGIC CONTROLLER |
| PP | POWER POLE |
| TS | THERMOSTAT SWITCHES |
| V | VOLT |
| XFMR | TRANSFORMER |
| CFM | CUBIC FEET PER MINUTE |
| DEG | DEGREES |
| EW | EACH WAY |
| EXT | EXTENSION |
| G | GROUND |
| GFI | GROUND-FAULT INTERRUPTER |
| MH | MOUNTING HEIGHT |
| MIN | MINIMUM |
| NEC | NATIONAL ELECTRICAL CODE |
| NPC,NPCO | NEVADA POWER COMPANY |
| OC | ON CENTER |
| RGS | RIGID GALVANIZED STEEL |
| STD | STANDARD |
| UG | UNDERGROUND |
| AFF | ABOVE FINISH FLOOR |

RECORD DRAWINGS

CLV DRAWING NO. 107-V2011

| MARK | DATE | BY | REVISION |
|------|----------|----|-----------------|
| △ | 10/7/94 | BE | RECORD DRAWINGS |
| △ | 10/19/92 | HR | ADDENDUM NO. 1 |

| | | |
|--------------|------------------|------|
| DESIGNED: HR | PROJECT ENGINEER | DATE |
| DRAWN: ARG | PROJECT MANAGER | DATE |
| CHECKED: GWS | | |



CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

OGDEN AVENUE UNDERPASS AND ROADWAY
ELECTRICAL/TRAFFIC SIGNAL, SYMBOLS AND ABBREVIATIONS

DRAWING
E1
111 OF 121
OQSHE001