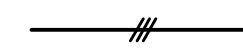
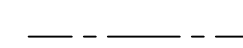
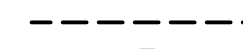

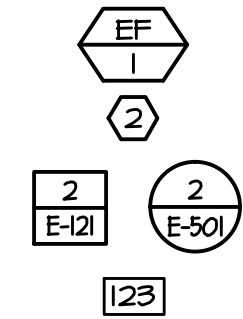


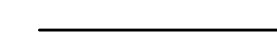


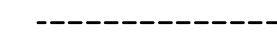

SYMBOLS AND ABBREVIATIONS LEGEND

LOW-VOLTAGE ELECTRICAL CONDUCTORS & CABLES

-  NEW CONCEALED RACEWAY AND WIRE. NUMBER OF SLASHES INDICATES NUMBER OF CONDUCTORS IF MORE THAN TWO. SIZE OTHER THAN #12 AS NOTED. (APPLIES TO ALL WIRING SYMBOLS)
-  EXISTING CONCEALED RACEWAY AND WIRE.
-  UNDERGROUND OR UNDERFLOOR RACEWAY
-  HOMERUN



- EQUIPMENT IDENTIFIER, EXHAUST FAN I SHOWN
- SHEET REFERENCE NOTE
- PLAN OR DETAIL NUMBER
SHEET NUMBER
- ROOM NUMBER

-  EXISTING WORK SHOWN
-  LIGHT
-  NEW WORK SHOWN
-  BOLD
-  EXISTING TO BE REMOVED

GENERAL

ABBREVIATIONS

| | | | |
|-------|--|------|---------------------------------|
| AFF | ABOVE FINISHED FLOOR | IDF | INTERMEDIATE DISTRIBUTION FRAME |
| BLDG | BLDG | L.V. | LOW VOLTAGE |
| C | CONDUIT | MDF | MAIN DISTRIBUTION FRAME |
| cd | CANDELA | MECH | MECHANICAL |
| CCT | CIRCUIT | (N) | NEW |
| DM | O-LOV DIMMING | PNL | PANEL |
| DSP | DIGITAL SIGNAL PROCESSOR | PRS | PROGRAM RAPID START |
| (E) | EXISTING | SNBD | SWITCHBOARD |
| ELEC | ELECTRICAL | TTB | TELEPHONE TERMINAL BOARD |
| EMERG | EMERGENCY | TVSS | TRANSIENT VOLTAGE SURGE |
| FAM | FIRE ALARM MASTER | TYP | TYPICAL |
| GFI | GROUND FAULT INTERRUPTER | WG | WIREGUARD |
| GND | GROUND | WP | WEATHERPROOF |
| HVAC | HEATING, VENTILATING, & AIR CONDITIONING | | |

GROUNDING & BONDING FOR ELECTRICAL SYSTEMS



GROUND

LOW-VOLTAGE DISTRIBUTION



TRANSFORMER



CURRENT TRANSFORMER



ELECTRICAL EQUIPMENT AS INDICATED ON DRAWINGS

PANELBOARDS



PANELBOARD

ELECTRICAL CABINETS & ENCLOSURES



TERMINAL CABINET



ELECTRICAL EQUIPMENT AS INDICATED ON DRAWINGS

OVER-CURRENT PROTECTIVE DEVICES



FUSE



CIRCUIT BREAKER



GROUND FAULT INTERRUPT CIRCUIT BREAKER



SWITCH

ELECTRICITY METERING



UTILITY METER

STANDBY GENERATION SYSTEM



GENERATOR



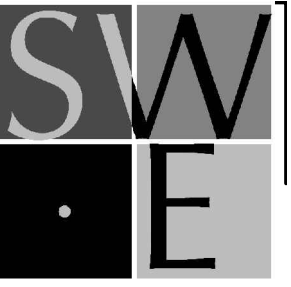
AUTOMATIC TRANSFER SWITCH



RELAY

GENERAL NOTES:

1. THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
2. SIZE AND LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS. CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
3. LIGHT LINE WORK INDICATES EXISTING ELECTRICAL CIRCUITRY AND OTHER ELECTRICAL EQUIPMENT. DASHED LINE WORK INDICATES ELECTRICAL DEVICES AND EQUIPMENT TO BE REMOVED.
4. WHERE EXISTING EQUIPMENT IS REMOVED AND NOT REPLACED IN THE SAME LOCATION, PATCH AND PAINT SURFACES TO MATCH ORIGINAL CONDITION.
5. REMOVE ALL ABANDONED RACEWAY AND WIRING.
6. RECONNECT ALL CIRCUITRY TO REMAINING DEVICES AND EQUIPMENT.



SYSTEMS WEST ENGINEERS, INC.
411 High Street
Eugene, Oregon 97401-2427
541-342-7210
systemswestengineers.com



ELECTRICAL
DISTRIBUTION
SYSTEM
UPGRADE

BUENA VISTA
SPANISH
IMMERSION
ELEMENTARY
SCHOOL

LOCATION:
1500 QUEENS WAY
EUGENE, OREGON

OWNER:
EUGENE SCHOOL
DISTRICT 4J

LEGEND
AND
GENERAL NOTES

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |

DESIGNED JDH

DRAWN JDH

CHECKED JLG

FILENAME
E-101_L&D_NOTES

DATE 01MAY2014

PROJECT M02B.02

E-101

SHT 2 OF 4