

LIGHTING

- Ab 2x4 FLUORESCENT FIXTURE
- Ac ASSOCIATED CONTROL DEVICE FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- 1x4 FLUORESCENT FIXTURE
- 2x2 FLUORESCENT FIXTURE
- FIXTURE WIRED TO UNSWITCHED NORMAL CIRCUIT
- FIXTURE WIRED TO UNSWITCHED EMERGENCY CIRCUIT
- FIXTURE WIRED TO SWITCHED EMERGENCY CIRCUIT
- DOWN LIGHT
- FLUORESCENT STRIP
- WALL MOUNTED FIXTURES
- TRACK LIGHTING
- POLE MOUNTED SITE LIGHTING FIXTURE FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- FLOOD LIGHT
- WALL WASH LIGHT FIXTURE
- EXIT SIGN, CEILING MOUNTED
- ARROW INDICATES EGRESS DIRECTION
- SHADING INDICATES SIGN FACE
- EXIT SIGN, WALL MOUNTED
- SHADING INDICATES SIGN FACE
- DUAL HEAD EMERGENCY LIGHT BATTERY PACK TO - TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- WALL PACK
- 3-WAY TOGGLE SWITCH
- S₃ SINGLE POLE TOGGLE SWITCH INDICATES CONTROLLED FIXTURE
- S₄ 4-WAY TOGGLE SWITCH
- S₄ DUAL LEVEL SWITCHING
- S₀ DIMMER SWITCH, INCANDESCENT OR FLUORESCENT AS REQUIRED.
- S_p TOGGLE SWITCH WITH PILOT LIGHT
- S_t TIMER SWITCH, SPRING WOUND
- S_{pt} SINGLE POLE DOUBLE THROW TOGGLE SWITCH, CENTER POSITION OFF
- S_{wp} WEATHER PROOF
- S_{xp} EXPLOSION PROOF
- UNSWITCHED CONTINUATION OF BRANCH CIRCUIT
- HOME RUN
- OCUPANCY SENSOR
- OCUPANCY CONTROLLED FIXTURE
- OCUPANCY AIMING DIRECTION
- OCUPANCY SENSOR RELAY
- DAYLIGHT SENSOR
- LIGHTS CONTROLLED BY SENSOR

POWER

- (4) NON-FUSED SAFETY SWITCH AMPERE RATING
- NEMA ENCLOSURE RATING
- FUSED SAFETY SWITCH, TOP NUMBER INDICATES SWITCH AMPERE RATING, LOWER NUMBER INDICATES FUSE RATING
- NEMA ENCLOSURE
- MAGNETIC MOTOR STARTER, F4NR UNLESS INDICATED OTHERWISE
- NEMA ENCLOSURE RATING
- NEMA SIZE (TYPICAL)
- COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER
- FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING
- SECOND NUMBER INDICATES NEMA STARTER SIZE
- COMBINATION FUSED DISCONNECT/MAGNETIC MOTOR STARTER
- RATING/NEMA STARTER SIZE
- NON-FUSED DISCONNECT/MAGNETIC MOTOR STARTER
- FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING
- SECOND NUMBER INDICATES NEMA STARTER SIZE
- MANUAL MOTOR STARTER, TOGGLE OPERATED, 1, 2 OR 3 POLE AS REQUIRED, OVERLOAD PROTECTION
- MANUAL MOTOR SWITCH, TOGGLE OPERATED, SINGLE PHASE, 1 OR 2 POLE AS REQUIRED (NO OVERLOAD PROTECTION)
- ENCLOSED CIRCUIT BREAKER
- AMPERE RATING
- ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER RATING
- EXPLOSION PROOF MOTOR
- VARIABLE AIR VOLUME CONTROL ACTUATORS
- LOCAL SELECTOR SWITCH
- H/O/A - HAND/OFF/AUTO
- EMERGENCY OFF BREAK GLASS STATION
- JUNCTION BOX
- TRANSFORMER
- POWER POLE
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- EY CONDUIT SEAL
- DUPLEX RECEPTACLE, NEMA 5-20R
- INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)
- GFI DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE GFCI DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R
- SINGLE RECEPTACLE, NEMA 5-20R
- DOUBLE DUPLEX (QUADRUPLX) RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R
- SWITCHED RECEPTACLE
- FLOOR OUTLET, DUPLEX RECEPTACLE, NEMA 5-20R
- POWER RECEPTACLE, 480 VOLT NEMA CONFIGURATION AS NOTED.
- POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED.
- PANELBOARD, NORMAL POWER
- PANELBOARD, EMERGENCY POWER
- MULTI OUTLET ASSEMBLY

FIRE ALARM

- FACP FIRE ALARM CONTROL PANEL
- FAA FIRE ALARM ANNUNCIATOR
- M FIRE ALARM MASTER BOX
- F FIRE ALARM MANUAL PULL STATION
- F₁ FIRE ALARM SPEAKER/STROBE UNIT
- F₂ FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- F₃ FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (LOCAL)
- C₁ CLEAN ROOM NOTIFICATION (LOCAL)
- F(110) FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE
- C CANDELA INTENSITY-15/75 UNLESS OTHERWISE NOTED
- CEILING MOUNTED
- A PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED
- H₁ INDICATES EQUIPMENT INTERLOCKED WITH THE DETECTOR
- H₂ FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED.
- H₃ PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED
- H₄ INDICATES AUXILIARY CONTACT.
- H₅ COMBINATION RATE-OF-RISE/FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED
- H₆ DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH AUXILIARY CONTACT.
- F₅ SPRINKLER SYSTEM FLOW SWITCH
- T₅ SPRINKLER SYSTEM TAMPER SWITCH
- DH₁ FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER
- INTERLOCK RELAY
- SMOKE DAMPER
- DSD
- DUCT SMOKE DETECTOR REMOTE TEST INDICATOR
- K KNOX BOX
- HANDI-CAP DOOR PUSH BUTTON OPERATOR
- STANDARD INTERCOMM STATION
- DOOR CONTACT
- CARD READER
- KEY PAD
- CLOSED CIRCUIT TELEVISION CAMERA
- ELECTRIC STRIKE
- MAGNETIC STRIKE
- EMERGENCY DOOR/CARD READER RELEASE

ABBREVIATIONS

- | | | |
|--------------------------------------|---|-------------------------------------|
| ALMP ALARM | AMPERE FINISHED FLOOR ABOVE FINISHED GRADE | LA LIGHTNING ARRESTER |
| AFG AUTHORITY HAVING JURISDICTION | AMERICAN WIRE GAUGE | LC LIGHTING CLOSET |
| AIC AMPERE INTERRUPTING CAPACITY | BELOW FINISHED GRADE | MCB MAIN CIRCUIT BREAKER |
| BFS BOTTOM OF STEEL | CABLE TELEVISION | MFR MANUFACTURER |
| BOS BOSS | CIRCUIT BREAKER | MI MINERAL INSULATED MAIN LUG ONLY |
| CBV CABLE TELEVISION | CLOSED CIRCUIT TELEVISION CONTROL POWER TRANSFORMER | MLO MOUNTED |
| CCTV CONTROL POWER TRANSFORMER | COPPER | MNTA MOUNTING TAKE |
| CT CURRENT TRANSFORMER | DIRECT BURIED | NC NORMALLY CLOSED |
| DACT DIRECT BURIED | DISCONNECT | NEC NATIONAL ELECTRICAL CODE |
| DB DOWN | ELECTRIC METALLIC TUBING | NEG NEGATIVE |
| DN DOWN | ELECTRIC WATER COOLER | NEUT NEUTRAL |
| EMT ELECTRIC METALLIC TUBING | FIRE ALARM ANNUNCIATOR | NO NOT IN CONTRACT |
| ESC ELECTRICAL SERVICE | FURNISHED BY OTHERS | NO ₁ NORMALLY OPEN |
| FAC FIRE ALARM CONTROL PANEL | FUSE | PH PHASE |
| FBO FURNISHED BY OTHERS | GENERATOR | PVC POLYVINYL CHLORIDE |
| FU FUSE | GROUND FAULT CIRCUIT INTERRUPTER | RIGID STEEL CONDUIT |
| FWE FURNISHED WITH EQUIPMENT | GROUND POWER | RSC RIGID STEEL CONDUIT |
| GEN GENERATOR | HEATER | RTD RESISTANCE TEMPERATURE DETECTOR |
| GFI GROUND FAULT CIRCUIT INTERRUPTER | INTERMEDIATE METAL CONDUIT | SN SHIELDED TWISTED PAIR |
| GROUND | KILO | STP SHIELDED TWISTED TRIPLET |
| HTR HEATER | KILOVOLT | SWBD SWITCHBOARD |
| IC ISOLATED GROUND | KILOVOLT-AMPERE | SWGR SWITCHGEAR |
| IMC INTERMEDIATE METAL CONDUIT | KILOVOLT-AMPERE REACTIVE | TOS TOP OF STEEL |
| K KILO | KILOVOLT-AMPERE REACTIVE | TRANSF TRANSFORMER |
| KMIL THOUSAND CIRCULAR MILLS | KILOVOLT-AMPERE REACTIVE | TVSS SURGE SUPPRESSOR |
| KV KILOVOLT | KILOVATT | V VOLT |
| KVAR KILOVOLT-AMPERE REACTIVE | KILOWATT-HOUR | VA VOLT-AMPERE |
| KW KILOWATT | | VAR VOLT-AMPERE REACTIVE |
| | | WP WEATHER PROOF |
| | | XP EXPLOSION PROOF |

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
- UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF. LIGHTING TOGGLE SWITCHES 48-INCHES AFF. DATA SYSTEM OUTLETS 18-INCHES AFF. FIRE ALARM NOTIFICATION DEVICES 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES AFF TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
- UNLESS OTHERWISE NOTED WIRING SHALL BE 2 #12 AWG CONDUCTORS & #12 SHALL BE #10 AWG.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 120 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- PROVIDE WALL PLATES FOR ALL WIRING DEVICES, NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
- ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION.

LIGHT FIXTURE SCHEDULE

| TYPE | DESCRIPTION | MFR. | LAMPS | MOUNTING | NOTES |
|------|---|------------------------|-----------------|-----------------|-------|
| A | 8" ROUND APERTURE DOWNLIGHT W/ CLEAR ALZAK REFLECTOR. | PRESCOLITE CFRB SERIES | 2-26W QUAD TUBE | RECESSED | |
| B | 2x4 PARABOLIC TROFFER W/ SEMI-SPECULAR REFLECTOR, 18" CELL, 3" DEEP LOUVER. | COLUMBIA P424 SERIES | 3-F32T8 3500K | RECESSED | |
| C | 2x4 PARABOLIC TROFFER W/ SEMI-SPECULAR REFLECTOR, 9" CELL, 3" DEEP LOUVER. | COLUMBIA P422 SERIES | 2-F31UT8 3500K | RECESSED | |
| | DIE CAST ALUMINUM EXIT SIGN W/ BRUSHED ALUMINUM FACE & GREEN LETTERING | PRESCOLITE DMX SERIES | LED | WALL OR CEILING | |

GENERAL NOTE

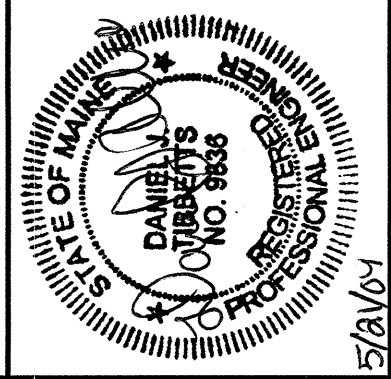
1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

COMMUNICATION & DATA SYSTEMS

- TELEPHONE SYSTEM WALL JACK
- W-INDICATES WALL MOUNTED AT 60" AFF
- P-INDICATES PAYPHONE
- (2)-INDICATES 2 OUTLETS, SINGLE BOX
- DATA SYSTEM OUTLET
- COMBINATION VOICE/DATA SYSTEM OUTLET
- UNDERFLOOR TELEPHONE SYSTEM OUTLET
- UNDERFLOOR DATA SYSTEM OUTLET
- UNDERFLOOR VOICE & DATA OUTLET
- CABLE TELEVISION SYSTEM OUTLET. MOUNT 18" AFF UNLESS OTHERWISE NOTED
- CLOSED CIRCUIT TELEVISION OUTLET. MOUNT 18" AFF UNLESS OTHERWISE NOTED
- PAGING SYSTEM CONTROL PANEL AND PAGING AMPLIFIER
- PAGING SYSTEM SPEAKER, CEILING MOUNTED
- PAGING SYSTEM SPEAKER, WALL MOUNT AT 7' AFF
- 1. FLUSH, 2. SURFACE, 3. HORN, 4. DUAL HORN
- VOLUME CONTROL
- INTERCOM SYSTEM HAND KEY
- CLOCK SPEAKER
- INTERCOM SYSTEM HAND SET
- WALL MOUNTED CLOCK



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UNIMPROVIDENT CORPORATION
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PORTLAND, MAINE
ISSUED FOR CONSTRUCTION
5-21-04
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REV: 0
ISSUED FOR CONSTRUCTION
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0 1'
SCALE: AS NOTED
PROJECT MANAGER: J/LH
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