

## LIGHTING

- 2x4 FLUORESCENT FIXTURE 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
- ADJUSTABLE SPOT 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  
TD - TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- WALL PACK
- 3-WAY TOGGLE SWITCH
- SINGLE POLE TOGGLE SWITCH  
INDICATES CONTROLLED FIXTURE
- 4-WAY TOGGLE SWITCH
- DUAL LEVEL SWITCHING
- DIMMER SWITCH, INCANDESCENT OR  
FLUORESCENT AS REQUIRED.
- TOGGLE SWITCH WITH PILOT LIGHT
- TIMER SWITCH, SPRING WOUND
- SINGLE POLE DOUBLE THROW TOGGLE  
SWITCH, CENTER POSITION OFF
- WEATHER PROOF
- EXPLOSION PROOF
- OCCUPANCY SENSOR SWITCH
- UNSWITCHED CONTINUATION OF BRANCH CIRCUIT
- HOME RUN

## 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
- PAGING SYSTEM SPEAKER, CEILING MOUNTED
- PAGING SYSTEM SPEAKER, WALL MOUNT AT  
7'-6" AFF  
1. FLUSH, 2. SURFACE, 3. HORN, 4. DUAL HORN
- VOLUME CONTROL
- INTERCOM SYSTEM STATION
- WALL MOUNTED CLOCK
- CEILING MOUNTED TELEPHONE SYSTEM OUTLET

## POWER

- 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, FVNR 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  
NUMBERS INDICATE DISCONNECT AMPERE RATING/FUSE  
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
- PUSHBUTTON 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 GFI DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE ISOLATED GROUND DUPLEX RECEPTACLE,  
NEMA 5-20R
- SINGLE RECEPTACLE, NEMA 5-20R
- DOUBLE DUPLEX (QUADRUPLEX) 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

## NURSE CALL SYSTEM

- NURSE CALL CALL LIGHT
- PATIENT CALL BUTTON
- NURSE CALL PULL CORD
- NURSE CALL MASTER STATION

## LINE TYPES

- EXISTING
- NEW
- NEW UNDERSLAB
- DEMOLITION

## FIRE ALARM

- FIRE ALARM CONTROL PANEL
- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM AUDIBLE/VISIBLE  
NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE  
CANDELA INTENSITY-15/75 UNLESS OTHERWISE NOTED  
CEILING MOUNTED
- PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED  
INDICATES AUXILIARY CONTACT.
- FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED,  
INDICATES EQUIPMENT INTERLOCKED WITH THE DETECTOR

## SECURITY SYSTEMS

- MONITORED DOOR POSITION SWITCH

## ABBREVIATIONS

A,AMP	AMPERE	LA	LIGHTNING ARRESTER
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AFG	ABOVE FINISHED GRADE	MC	METAL CLAD
AHJ	AUTHORITY HAVING JURISDICTION	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERE INTERRUPTING CAPACITY	MFR	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MI	MINERAL INSULATED
BFG	BELOW FINISHED GRADE	MLO	MAIN LUG ONLY
BOS	BOTTOM OF STEEL	MTD	MOUNTED
C	CONDUIT, CONDUCTOR	MV	MEDIUM VOLTAGE
CATV	CABLE TELEVISION	NC	NORMALLY CLOSED
CB	CIRCUIT BREAKER	NEC	NATIONAL ELECTRICAL CODE
CCTV	CLOSED CIRCUIT TELEVISION	NEG	NEGATIVE
CPT	CONTROL POWER TRANSFORMER	NEUT	NEUTRAL
CT	CURRENT TRANSFORMER	NIC	NOT IN CONTRACT
CU	COPPER	NO	NORMALLY OPEN
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	NTS	NOT TO SCALE
DB	DIRECT BURIED	PF	POWER FACTOR
DISC	DISCONNECT	PH	PHASE
DN	DOWN	PVC	POLYVINYL CHLORIDE
EMT	ELECTRICAL METALLIC TUBING	RGS	RIGID STEEL CONDUIT
EWC	ELECTRIC WATER COOLER	RSC	RIGID STEEL CONDUIT
FAA	FIRE ALARM ANNUNCIATOR	RTD	RESISTANCE TEMPERATURE DETECTOR
FACP	FIRE ALARM CONTROL PANEL	SN	SOLID NEUTRAL
FBO	FURNISHED BY OTHERS	STP	SHIELDED TWISTED PAIR
FU	FUSE	STT	SHIELDED TWISTED TRIPLET
FWE	FURNISHED WITH EQUIPMENT	SWBD	SWITCHBOARD
GEN	GENERATOR	SWGR	SWITCHGEAR
GFCI	GROUND FAULT CIRCUIT BREAKER	TOS	TOP OF STEEL
GND	GROUND	TRANSF	TRANSFORMER
HP	HORSEPOWER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HTR	HEATER	V	VOLT
IG	ISOLATED GROUND	VA	VOLT-AMPERE
IMC	INTERMEDIATE METAL CONDUIT	VAR	VOLT-AMPERE REACTIVE
K	KILO	WM	WATT METER
KCMIL	THOUSAND CIRCULAR MILS	WP	WEATHER PROOF
KV	KILOVOLT	XFMR	TRANSFORMER
KVA	KILOVOLT-AMPERE	XP	EXPLOSION PROOF
KVAR	KILOVOLT-AMPERE REACTIVE		
KW	KILOWATT		
KWH	KILOWATT-HOUR		

## GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- 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 TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
- UNLESS OTHERWISE NOTED WIRING SHALL BE #12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
- LIGHTING TOGGLE SWITCHES SHALL BE HEAVY DUTY GRADE 120/277 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- CONVENIENCE RECEPTACLES SHALL BE HOSPITAL GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED, 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.

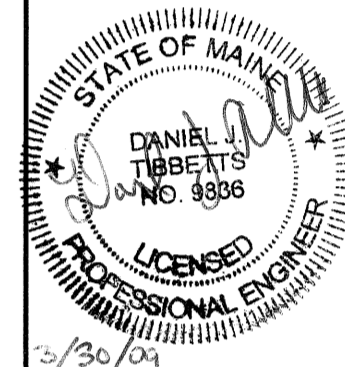
## GENERAL NOTE

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.

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Maine Medical Center  
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PORTLAND, ME  
ISSUED FOR CONSTRUCTION  
3-30-09  
CURRENT ISSUE STATUS:

REV	DATE	DESCRIPTION
0	3-30-09	ISSUED FOR CONSTRUCTION

GRAPHIC SCALE:  
0" 1"

SCALE:	NONE
PROJECT MANAGER:	KD
IC/DRAWN BY:	CDS
A/E OF RECORD:	DIT
CAD FILE:	E-001-09009
PROJECT NO.:	09009
DATE:	3-30-09
SHEET TITLE:	

LEGEND AND  
GENERAL NOTES

SHEET No.  
**E-001**  
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