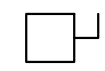
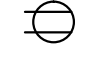



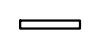

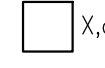
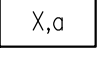
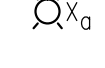
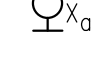
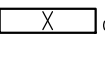
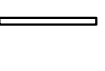

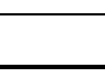
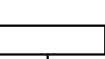



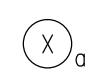
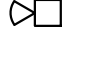
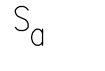
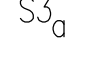

POWER

-  NON-FUSED SAFETY SWITCH
-  DUPLEX RECEPTACLE AT 18" AFF OR GRADE, UON. SUBSCRIPTS INDICATE THE FOLLOWING:
WP WEATHERPROOF, WITH IN-USE COVER
-  DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER
-  ELECTRIC RANGE/DRYER RECEPTACLE
-  PANEL BOARD, MOUNTED AT 4"-7" TO CENTER FROM FINISHED FLOOR
-  EQUIPMENT CONNECTION
-  ELECTRIC BASEBOARD UNIT CONNECTION


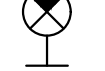

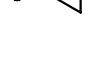
LIGHTING

-  2'x2' RECESSED OR SURFACE MOUNT LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING.
-  4'x4' RECESSED OR SURFACE MOUNT LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING.
-  DOWN LIGHT LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING
-  WALL MOUNTED LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING
-  4'x1' LINEAR LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING
-  4' PENDANT MOUNTED LINEAR LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING
-  LARGE PENDANT FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING
-  8' PENDANT MOUNTED LINEAR LED FIXTURE
-  FLEXIBLE LED LIGHTING
-  4' WALL MOUNTED LINEAR LED FIXTURE

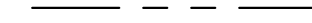






SWITCHING

-  OCCUPANCY SENSOR CEILING MOUNTED
X INDICATES SENSOR TYPE, o INDICATES SWITCHING
-  PHOTOCELL
o INDICATES SWITCHING
-  SINGLE POLE TOGGLE SWITCH
o INDICATES SWITCHING
-  THREE-WAY TOGGLE SWITCH
o INDICATES SWITCHING
-  IN-WALL OCCUPANCY SENSOR
o INDICATES SWITCHING




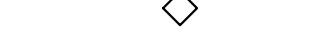
EMERGENCY

-  DUAL HEAD LED EMERGENCY LIGHT
-  LED EXIT SIGN WALL MOUNTED
-  LED EXIT SIGN PENDANT MOUNTED
-  SINGLE HEAD REMOTE LED EMERGENCY LIGHT

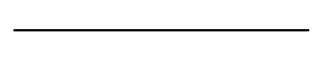

GROUNDING

-  GROUND WIRE
-  GROUND TAP WIRE (BURIED OR EXPOSED)
-  GROUND ROD CONNECTION C/W GROUND WELL
-  GROUND TAP CONNECTION
-  GROUND LUG CONNECTION
-  GROUND CONNECTION TO REBAR
-  GROUND

COMMUNICATION & DATA SYSTEMS

-  TELEPHONE SYSTEM WALL JACK
(2)-INDICATES 2 OUTLETS, SINGLE BOX
MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED
-  CABLE TELEVISION SYSTEM OUTLET
MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED
-  INTERCOM SYSTEM VISUAL INDICATOR
MOUNTED AT 4"-7" AFF TO CENTER, UNLESS OTHERWISE NOTED
-  INTERCOM SYSTEM
MOUNTED AT 4"-7" AFF TO CENTER, UNLESS OTHERWISE NOTED

LINE TYPES

-  NEW
-  HIDDEN OR BURIED

ELECTRICAL ABBREVIATIONS:

- A, AMP AMPERE
- AC ALTERNATING CURRENT
- ACT DIGITAL ALARM COMMUNICATOR TRANSMITTER
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHJ AUTHORITY HAVING JURISDICTION
- AIC AMPERE INTERRUPTING CAPACITY
- ALT ALTERNATE
- AWG AMERICAN WIRE GAUGE
- BFG BELOW FINISH GRADE
- BLD BUILDING
- BOS BOTTOM OF STEEL
- BRK BREAKER
- C, CND CONDUIT
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- CLG CEILING MOUNTED
- COMP COMPRESSOR
- CPT CONTROL POWER TRANSFORMER
- CT CURRENT TRANSFORMER
- CU COPPER
- DB DIRECT BURIED
- DIA DIAMETER
- DISC DISCONNECT
- DN DOWN
- DN EQUIPMENT
- E EXISTING
- (E) EXISTING
- ELEC ELECTRICAL
- EMDP EMERGENCY MAIN DISTRIBUTION PANEL
- EMT ELECTRICAL METALLIC TUBING
- F FUSE OR FRAME
- FA FIRE ALARM
- FAA FIRE ALARM ANNUNCIATOR
- FACP FIRE ALARM CONTROL PANEL
- FBO FURNISHED BY OTHERS
- FU FUSE
- GEN GENERATOR
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- G, GND GROUND
- HP HORSEPOWER
- HTR HEATER
- ID IDENTITY
- IG ISOLATED GROUND
- IMC INTERMEDIATE METAL CONDUIT
- IPP INSTRUMENT POWER PANEL
- JB JUNCTION BOX
- K KILO
- KCMIL THOUSAND CIRCULAR MILS
- KV KILOVOLT
- KVA KILOVOLT AMPERE
- KVAR KILOVOLT AMPERE REACTIVE
- KW KILOWATT
- KWH KILOWATT HOUR
- LED LIGHT EMITTING
- LG LONG
- LFP LIGHTING POWER PANEL
- MDP MAIN DISTRIBUTION PANEL
- MIN MINIMUM
- MTD MOUNTED
- NEC NATIONAL ELECTRIC CODE
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- (N) NEW
- NO, # NUMBER
- NTS NOT TO SCALE
- OS OCCUPANCY SENSOR
- P POLE OR PHASE
- PNL PANEL
- PVC POLYVINYL CHLORIDE
- QTY QUANTITY
- REQ REQUIRED
- REV REVISION
- RMC RIGID METAL CONDUIT
- SCH SCHEDULE
- SWG SWITCHGEAR
- T TRIP
- TOC TOP OF CONCRETE
- TYP TYPICAL
- UON UNLESS OTHERWISE NOTED
- V VOLT
- W WATT
- W/ WITH
- W/O WITHOUT
- WY WYE
- XFM TRANSFORMER

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AND THE 2014 NATIONAL ELECTRIC CODE (NEC) BY ELECTRICIANS LICENSED BY THE STATE IN WHICH THE WORK IS PERFORMED.
2. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. ALL DRAWINGS OF ANY PARTICULAR TRADE SHALL BE USED IN CONJUNCTION WITH DRAWINGS OF ALL OTHER TRADES TO COORDINATE ALL CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED WORK. ANY PROPOSED CHANGES, VARIATIONS OR SUBSTITUTIONS MUST BE REVIEWED AND ACCEPTED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
3. ALL DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN INTENT, AND EXTENT OF THE WORK. THEY SHALL BE CONSIDERED PARTLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGHING-IN MEASUREMENTS OR TO SERVE AS SHOP DRAWINGS.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS (AS BUILT OR OTHERWISE) BEFORE COMMENCING FABRICATION, AND/OR ORDERING MATERIALS.
5. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLING ANY CONDUIT AND/OR CABLE. IF ELECTRICAL REQUIREMENTS DIFFER FROM THOSE INDICATED, OR IF ADDITIONAL EQUIPMENT IS REQUIRED BY CODE, INFORM THE ENGINEER.
6. UON WIRING FOR ALL SINGLE PHASE CIRCUITS, 20A OR SMALLER SHALL BE A MINIMUM OF 2#12 & 1#120-3/4". FOR CIRCUIT LENGTHS 100 FEET AND OVER, UPSIZE PER CODE. THE SHARING OF NEUTRAL CONDUCTORS IS NOT ALLOWED.
7. MOUNTING HEIGHTS GIVEN FOR ALL WIRING DEVICES (WALL SWITCHES, RECEPTACLES, ETC.), FIRE ALARM DEVICES, TELEPHONE EQUIPMENT, SPEAKERS AND LIGHT FIXTURES ARE TO THE CENTERLINE OF THE JUNCTION BOX USED TO MOUNT THE DEVICE, UNLESS OTHERWISE NOTED.
8. COORDINATE FINAL LOCATIONS OF CEILING LIGHT FIXTURES AND OTHER EQUIPMENT WITH REFLECTED CEILING PLANS AND ALL OTHER TRADE DRAWINGS PRIOR TO INSTALLATION.
9. EXIT SIGNS AND EMERGENCY BATTERY PACKS IN FIXTURES SHALL BE CONNECTED TO BRANCH CIRCUITS AHEAD OF ALL SWITCHING.
10. PROVIDE GROUNDING CONDUCTORS IN ALL BRANCH CIRCUIT RACEWAYS.
11. NAMEPLATES ARE REQUIRED ON ABOVE CEILING JUNCTION BOXES, RACEWAYS, AND CABINETS. NAMEPLATE WILL HAVE VOLTAGE, PANEL BOARD DESIGNATION AND CIRCUIT NUMBERS ANNOTATED ON THE OUTSIDE COVER. CIRCUIT WIRING CONTAINED INSIDE WILL HAVE ALPHA/ NUMERIC LABELS ON EACH WIRE CONNECTION OR PASS THROUGH. NAMEPLATE FOR ABOVE CEILING WORK DONE IN CLEARLY LEGIBLE WRITING USING PERMANENT MARKER IS ACCEPTABLE.
12. IN ALL ADA DESIGNATED APARTMENTS MOUNTING OF ELECTRICAL SWITCHES, OUTLETS, ELECTRIC PANELS, CALL STATIONS AND OTHER ELECTRICAL EQUIPMENT REQUIRING ACCESS SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.

TYPICAL DEVICE MOUNTING HEIGHT TABLE

DESCRIPTION	HEIGHT (AFF) OR (AFG)	COMMENTS
GENERAL RECEPTACLES	1'-6"	
TOILET AREA RECEPTACLES	3'-8"	
ABOVE COUNTER RECEPTACLES	4"	ABOVE SPLASH BOARD OR UON
EXTERIOR RECEPTACLES	2'-0"	MINIMUM AFG
GENERAL WALL SWITCHES	3'-8"	
MANUAL MOTOR SWITCHES	4'-0"	
EXIT WALL BRACKET SIGNS	7'-6"	OR ABOVE DOORS



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190 US ROUTE ONE
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100% ISSUE FOR CONSTRUCTION

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PHDC & Avesta
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Portland, ME

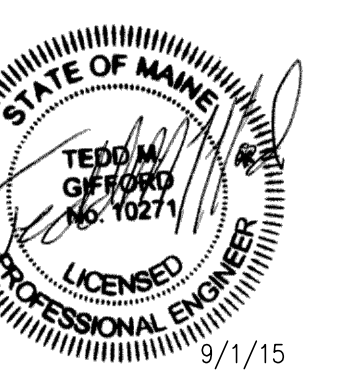
Drawing: ELECTRICAL LEGEND, ABBREVIATIONS, & GENERAL NOTES

Scale: NONE

Drawn by: ACY

Date: 9/1/15

Revised:



9/1/15

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