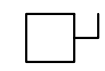






POWER

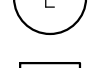
 NON-FUSED SAFETY SWITCH


 DUPLEX RECEPTACLE AT 18" AFF OR GRADE, UON. SUBSCRIPTS INDICATE THE FOLLOWING:
WP WEATHERPROOF, WITH IN-USE COVER

 DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER

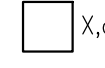
 ELECTRIC RANGE/DRYER RECEPTACLE

 PANEL BOARD, MOUNTED AT 4'-7" TO CENTER FROM FINISHED FLOOR (ADA OR H&V DESIGNATED ROOM 48" MAX TO HIGHEST BREAKER)

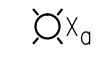
 EQUIPMENT CONNECTION

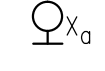
 ELECTRIC BASEBOARD UNIT CONNECTION

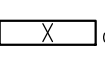
LIGHTING

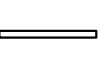
 2'X2' RECESSED OR SURFACE MOUNT LED FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING.


 4'X4' RECESSED OR SURFACE MOUNT LED FIXTURE
X INDICATED 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

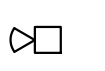
 LARGE PENDANT FIXTURE
X INDICATES FIXTURE TYPE, o INDICATES SWITCHING

 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

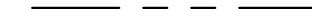
 DUAL HEAD LED EMERGENCY LIGHT


 LED EXIT SIGN WALL MOUNTED


 LED EXIT SIGN PENDANT MOUNTED


 SINGLE HEAD REMOTE LED EMERGENCY LIGHT


GROUNDING

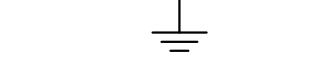
 GROUND WIRE


 GROUND TAP WIRE (BURIED OR EXPOSED)

 GROUND ROD CONNECTION C/W GROUND WELL


 GROUND TAP CONNECTION


 GROUND LUG CONNECTION

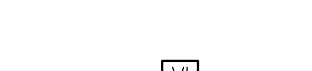
 GROUND CONNECTION TO REBAR


 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 48" AFF TO TOP, UNLESS OTHERWISE NOTED

 INTERCOM SYSTEM MOUNTED AT 48" AFF TO TOP, 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
E EQUIPMENT
(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

- 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.
- 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.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS (AS BUILT OR OTHERWISE) BEFORE COMMENCING FABRICATION, AND/OR ORDERING MATERIALS.
- 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.
- UON WIRING FOR ALL SINGLE PHASE CIRCUITS, 20A OR SMALLER SHALL BE A MINIMUM OF 2#12 & 1#12G-3/4". FOR CIRCUIT LENGTHS 100 FEET AND OVER, UPSIZE PER CODE. THE SHARING OF NEUTRAL CONDUCTORS IS NOT ALLOWED.
- 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.
- COORDINATE FINAL LOCATIONS OF CEILING LIGHT FIXTURES AND OTHER EQUIPMENT WITH REFLECTED CEILING PLANS AND ALL OTHER TRADE DRAWINGS PRIOR TO INSTALLATION.
- EXIT SIGNS AND EMERGENCY BATTERY PACKS IN FIXTURES SHALL BE CONNECTED TO BRANCH CIRCUITS AHEAD OF ALL SWITCHING.
- PROVIDE GROUNDING CONDUCTORS IN ALL BRANCH CIRCUIT RACEWAYS.
- 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.
- 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.
- FOR APARTMENT UNIT TO UNIT AND UNIT TO CORRIDOR WALLS, INSTALL ALL ELECTRICAL BOXES SUCH THAT ONLY ONE SIDE OF THE WALL IS PENETRATED BY BOXES WITHIN ONE STUD BAY.

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 |



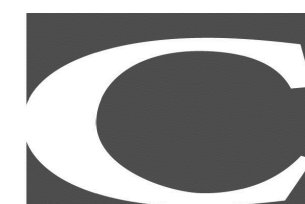
424 FORE ST.
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14 BAXTER BLVD
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P: 207.553.7777



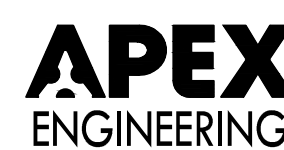
CARROLL ASSOCIATES
LANDSCAPE ARCHITECTS
217 COMMERCIAL STREET, STE 200
PORTLAND, MAINE 04101
207.772.1592 V. F. 207.772.0712



75 YORK ST.
PORTLAND, ME 04101
P: 207.879.1838



400 COMMERCIAL ST.
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PORTLAND, ME 04101
P: 207.772.2891



190 US ROUTE ONE
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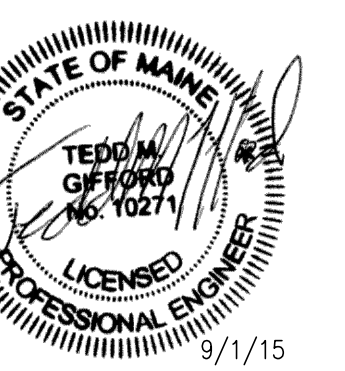
PRICING DOCUMENTS

Project:
BAYSIDE ANCHOR
PHDC & Avesta
81 East Oxford Street
Portland, ME

Drawing: ELECTRICAL LEGEND, ABBREVIATIONS, & GENERAL NOTES

Scale: NONE Drawn by: ACY

Date: 9/1/15 Revised:



9/1/15

E001