

GENERAL NOTES

- 1. NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS. COORDINATE WORK ACCORDINGLY...
2. ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
3. MOUNT PANELS IN RESIDENTIAL SPACES SO NO CIRCUIT BREAKER HANDLE IS HIGHER THAN 44" AFF.
4. ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL" UNLESS OTHERWISE NOTED...
5. CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING...
6. TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND BATTERIES.
7. SEE MECHANICAL PLAN FOR HVAC UNITS, PUMPS AND FANS CONTROLLED BY THERMOSTATS (PROVIDED BY ATC CONTRACTOR).
8. FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC CIRCUIT BREAKERS FOR MOTORS ARE SUPPLIED AT MAX VALUE PER NEC (2.5 X FLA). SIZE IN THE FIELD IN ACCORDANCE WITH MFR RECOMMENDATION.
9. ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.
10. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.
11. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
12. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70 ARTICLE 250.
13. PROVIDE TWO BALLASTS FOR EACH FIXTURE INDICATED AS REQUIRING DUAL LEVEL SWITCHING, ONE BALLAST TO CONTROL OUTER LAMPS AND THE SECOND BALLAST TO CONTROL INNER LAMP(S).
14. COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.
15. LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.
16. OPERATE ALL FLUORESCENT AND METAL HALIDE LAMPS FROM INITIAL INSTALLATION FOR 100 HOURS AT FULL OUTPUT (NO DIMMING) TO SEASON LAMPS AND STABILIZE LAMP COLOR.
17. PROVIDE RISER OR PLENUM RATED CABLES ABOVE SUSPENDED CEILINGS.
18. THE CONTRACTOR SHALL SET ALL ELECTRONIC BREAKERS TO SPECIFIED TRIP SETTINGS BEFORE ENERGIZING EQUIPMENT.
19. PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES.
20. OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70 - ARTICLE 406.9.
21. ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN/THHN UNLESS NOTED OTHERWISE.
22. PROVIDE LABEL ON SERVICE EQUIPMENT INDICATING AVAILABLE SHORT CIRCUIT CURRENT OBTAIN VALUES FROM ENGINEER.
23. PROVIDE ARC FAULT LABELS PER NFPA 70-ARTICLE 110.24
24. IF BUILDING REQUIRES TWO SERVICE ENTRANCES, PROVIDE SIGNS PER NFPA 70-230.
25. OUTLETS INSTALLED IN FIRE RATED WALLS BACK TO BACK SHALL BE SEPARATED BY 24" MINIMUM OR BE PROTECTED WITH "PUTTY PADS" PER 2009 INTERNATIONAL BUILDING CODE SECTION 713.3.2
26. PROVIDE AIR VAPOR BARRIER BOXES FOR WIRING DEVICES IN EXTERIOR WALLS AND INTERIOR SOUND CONTROL WALLS BETWEEN RESIDENT ROOMS. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE LESSCO MODEL NUMBER: VAPORBOX
27. MINIMUM WIRE SIZE ON ALL BRANCH CIRCUITS SHALL BE #12.
28. PROVIDE SIGN AT SERVICE ENTRANCE EQUIPMENT INDICATING TYPE AND LOCATION OF EMERGENCY GENERATOR PER NEC 700.7.

ABBREVIATIONS

- A AMP
AC ALTERNATING CURRENT, ABOVE COUNTER
ADA AMERICANS WITH DISABILITIES ACT
AF AMP FRAME
AFCI ARC FAULT CIRCUIT INTERRUPTER
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AIC AMPERES INTERRUPTING CAPACITY
AL ALUMNUM
AT AMP TRIP
ATC AUTOMATIC TEMPERATURE CONTROL
ATS AUTOMATIC TRANSFER SWITCH
AWG AMERICAN WIRE GAUGE
BLDG BUILDING
CB CONDUIT
C CIRCUIT BREAKER
CI CAST IRON
CKT CIRCUIT
CL CENTERLINE
CMP CENTRAL MAIN POWER (ELECTRIC UTILITY)
CMU CONCRETE MASONRY UNIT
CT CURRENT TRANSFORMER
CONC CONCRETE
CS CARBON STEEL
CU COPPER
CUH CABINET UNIT HEATER
DL DAMP LOCATION
EL ELECTRICAL CONTRACTOR
EF EXHAUST FAN
ER EXISTING REMAINS IN PLACE
ERL EXISTING RELOCATE
ERM EXISTING REMOVE
EUI ELECTRICAL UNIT HEATER
EWC ELECTRICAL WATER COOLER
FACP FIRE ALARM CONTROL PANEL
FAPS FIRE ALARM PULL STATION
FRP FIBER REINFORCED PLASTIC
FVNR FULL VOLTAGE, NON-REVERSING FURNISHED WITH UNIT
FWU DIRECT CURRENT
GFI GROUND FAULT INTERRUPTER
GND GROUND
HID HIGH INTENSITY DISCHARGE
HOA HAND-OFF-AUTOMATIC
HP HORSEPOWER
HPS HIGH PRESSURE SODIUM
HZ HERTZ
ICB INSULATED CASE CIRCUIT BREAKER
JB JUNCTION BOX
KAIC THOUSAND AMP INTERRUPTING CAPACITY
KCMIL THOUSAND CIRCULAR MIL
KV THOUSAND VOLTS
KVA THOUSAND VOLT-AMPS
KW THOUSAND WATTS (KILOWATT)
LC LIGHTING CONTACTORS
LCP LATERAL CONTROL PIT
LED LIGHT EMITTING DIODE
LP LIGHTING PANELBOARD
LTG LIGHTING
LSIG LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED
MCC MOTOR CONTROL CENTER
MCCB MOLDED CASE CIRCUIT BREAKER
MCB MAIN CIRCUIT BREAKER
MDP MAIN DISTRIBUTION PANEL
MH MANHOLE
MLO MAIN LUGS ONLY
MTS MANUAL TRANSFER SWITCH
NC NORMALLY CLOSED OF NURSE CALL
NEC NATIONAL ELECTRICAL CODE
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
NL NIGHT LIGHT
NO NORMALLY OPEN
NO. NUMBER
OL OVERLOAD
P POLE
PA PUBLIC ADDRESS
PB PUSH BUTTON
PF POWER FACTOR
PH PHASE
PNL PANEL
TP1-2 TELE-POWER POLE - POLE AND CIRCUIT NUMBER AS INDICATED
PSNH PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY)
PT POTENTIAL TRANSFORMER
PVC POLYVINYL CHLORIDE
RL ELECTRICAL EQUIPMENT TO BE RELOCATED
RM ELECTRICAL EQUIPMENT TO REMAIN
RSC RIGID STEEL CONDUIT
RTU ROOF TOP UNIT
RVE ELECTRICAL EQUIPMENT TO REMOVE
RVNR REDUCED VOLTAGE, NON-REVESING
SB SMART BOARD
SF SUPPLY FAN
SLD SINGLE LINE DIAGRAM
SM MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE, MOUNTED AT UNIT
SS SOLID STATE
SWBD-1 SWITCHBOARD NUMBER AS DESIGNATED
TC TIME CLOCK
TS TRANSFER SWITCH
T&B TOP AND BOTTOM
TYP TYPICAL
UG UNDERGROUND
V VOLT
VA VOLT-AMPERE
VFD VARIABLE FREQUENCY DRIVE
W WATT
W/ WITH
WP WEATHERPROOF
XFMR TRANSFORMER
XP EXPLOSION PROOF
3PH THREE PHASE
4W FOUR WIRE
3W THREE WIRE

SYMBOL LEGEND

- SURFACE MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING
RECESSED MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING
ELECTRIC MOTOR DRIVEN EQUIPMENT, HP SHOWN
JUNCTION BOX, "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL, "DW" DENOTES DISHWASHER
MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE MOUNTED AT UNIT
DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING, PROVIDED BY EC UNLESS NOTED OTHERWISE. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER.
COMBINATION MOTOR STARTER/DISCONNECT SWITCH WITH AUXILIARY CONTACTS AND HAND-OFF-AUTO SWITCH AND RED RUN LIGHT, PROVIDED AND INSTALLED BY EC UNLESS NOTED OTHERWISE.
VARIABLE FREQUENCY DRIVE, PROVIDED BY MC, INSTALLED AND WIRED BY EC
DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
QUAD RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF, BOTTOM RECEPTACLE SWITCHED.
GROUND FAULT DUPLEX RECEPTACLE 20A, 125V, TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 45" AFF UNLESS OTHERWISE NOTED.
REFRIGERATOR DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 48" AFF.
DISHWASHER GROUND FAULT DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 18" AFF, COORDINATE WITH ARCHITECTURAL PLANS.
GARBAGE DISPOSAL GROUND FAULT DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 18" AFF, COORDINATE WITH ARCHITECTURAL PLANS.
FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, "CL" DENOTES CEILING MOUNTED
RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS
RACEWAY & WIRING RUN EXPOSED
RACEWAY & WIRING RUN CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE
HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER
CABLE TV JUNCTION BOX "CTV", SIZE AS REQUIRED BY CABLE UTILITY
TV OUTLET LOCATION, CABLE AND JACKS BY EC
TEMPERATURE CONTROL PANEL, PROVIDED BY MC WIRED BY EC
PUSHBUTTON FOR ELECTRICALLY OPERATED DOOR, FURN W/ DOOR OPERATOR, WIRED BY EC
DOOR PUSHBUTTON-DOORBELL
DOOR ELECTRIC STRIKE
DOOR CHIME WITH STROBE-ADA COMMUNICATIONS REQUIREMENT
LIGHTING FIXTURES, CAPITAL LETTERS DENOTE TYPE PER LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTERS INDICATE SWITCH CONTROL. "db" INDICATES INBOARD LAMPS CONTROLLED BY OUTBOARD SWITCHED "a" AND "b". DIAGONAL INDICATED NIGHT LIGHT (UNSWITCHED)
SELF CONTAINED EMERGENCY LIGHT W/2 HEADS DUAL-LITE (LED) MODEL LZ25N-03L, 25 WATTS FOR 90 MINUTES, COLOR BY ARCHITECT
EMERGENCY LIGHTING BATTERY PACK DUAL-LITE No LM130-12VI-0 SELF-DIAGNOSTIC
INTERIOR REMOTE HEAD DUAL-LITE (LED) MODEL No CPRD 1203L, COLOR BY ARCHITECT
EXTERIOR REMOTE HEAD DUAL-LITE (LED) MODEL No OCRD 1203L, COLOR BY ARCHITECT
EXIT LIGHT FIXTURE, UNSWITCHED, DUAL-LITE LX-U-R-W-E OR APPROVED EQUAL
EXIT/ EMERGENCY LIGHT COMBO, DUAL-LITE No EVCU-R-D4-1OR APPROVED EQUAL COLOR BY ARCHITECT
SECURITY CAMERA LOCATION, COORDINATE AND PROVIDE DUPLEX RECEPTACLE, DATA AND CONDUIT PER MANUFACTURERS RECOMMENDATIONS
CEILING MOUNTED MOTION SENSOR (WATTSTOPPER OR EQUAL) CORRIDORS: WT-2255 SENSOR & B120E-P POWER PACK, OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK. SENSORS AND RELAYS TO CONTROL CIRCUITS IN SPACES INDICATED. DEVICES SHALL PROVIDE FULL COVERAGE IN AREAS INSTALLED. DT INDICATES DUAL TECHNOLOGY
PIR INDICATED PASSIVE INFRARED TECHNOLOGY
WALL MOUNTED SWITCH MOTION SENSOR, MOUNT AT 48" AFF UNLESS OTHER WISE NOTED
SINGLE POLE SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.
SWITCH WITH PILOT LIGHT, SWITCH SHALL BE PROVIDED W/ ENGRAVED NAMEPLATE IDENTIFYING USE
REMOTE RANGE HOOD FAN SWITCH, CONNECT TO HOOD FAN THRU HOOD JUNCTION BOX.
REMOTE RANGE HOOD LIGHT SWITCH, CONNECT TO HOOD LIGHT THRU JUNCTION BOX.
BURNER SAFETY SWITCH, PROVIDE WITH RED PLATE, MOUNTED 72" AFF
SINGLE POLE DIMMER SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.
PHOTOCELL
LIGHTING CONTACTOR
TIMECLOCK
TELEPHONE/DATA DUAL JACK, MOUNT 18" AFF, RUN TWO CAT 5E CABLES BACK TO TBB
DATA JACK, RUN TWO CAT 5E CABLES BACK TO TBB.
FLUSH FLOOR MOUNTED TELEPHONE/DATA DUAL JACK, RUN TWO CAT 5E CABLES BACK TO TBB. "CL" DENOTES CEILING MOUNTED
TELEPHONE JACK, MOUNT 18" AFF UNLESS NOTED OTHERWISE, RUN ONE CAT 5E CABLE BACK TO TBB.
TELEPHONE BACK BOARD
WIFI/ROUTER, OCE CAT 5E CABLE BACK TO TBB OR IT ROOM, MOUNT ABOVE CEILING, TYPE, "W" DENOTES WALL MOUNTED AT 72" AFF
INTERCOM PANEL IN UNIT
INTERCOM PANEL AT RECEPTION
CARD READER LOCATION: PROVIDE BOX AND 3/4" CONDUIT TO NEAREST LOCATION ABOVE SUSPENDED CEILING. PROVIDE 120V DOOR STRIKE POWER FROM NEAREST RECEPTACLE CIRCUIT.
FIRE ALARM CONTROL PANEL WITH DEDICATED TELEPHONE JACK
FIRE ALARM ANNUNCIATOR PANEL
FIRE EXTINGUISHER ELECTRONIC MONITOR-SHALL BE ACCOMPLISHED THROUGH USE OF AN ADDRESSABLE INTERFACE DEVICE AND SHALL PROVIDE INPUT TO THE FACP
FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8" AFF, NUMBER DENOTES CANDELA RATING, "MH" DENOTES MINIHORN, "CL" DENOTES CEILING MOUNTED, NO DESIGNATION EQUALS 15cd
FIRE ALARM PULL STATION, MOUNT 48" AFF
FIRE ALARM VISUAL STROBE ONLY, FLUSH MOUNT 6'-8" AFF, NUMBER DENOTES CANDELA RATINGS. "CL" DENOTES CEILING MOUNTED
SYSTEM CONNECTED SMOKE / CARBON MONOXIDE DETECTOR, PHOTOELECTRIC TYPE
SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR
SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED.
SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED. "ER" DENOTES ELEV RECALL
SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE, WITH SOUNDER BASE
CARBON MONOXIDE DETECTOR
DUCT SMOKE DETECTOR & TEST STATION
FIRE/SMOKE DAMPER, SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE ALL WIRING CONNECTIONS AND FIRE ALARM DUCT SMOKE DETECTORS, ADDRESSABLE MODULES AND PROGRAMMING.
SPRINKLER SYSTEM FLOW SWITCH SUPPLIED BY SPRINKLER CONTRACTOR
SPRINKLER SYSTEM TAMPER SWITCH WIRED BY EC, VERIFY LOCATIONS WITH SPRINKLER CONTRACTOR.
MAGNETIC DOOR HOLD
NURSE CALL BASE STATION
NURSE CALL PULL STATION
NURSE CALL ANNUNCIATOR LIGHT
WP DENOTES WEATHERPROOF CONSTRUCTION
RP DENOTES EXISTING ELECTRICAL EQUIPMENT TO BE REPLACED
RM DENOTES EXISTING ELECTRICAL EQUIPMENT TO REMAIN
RL DENOTES EXISTING ELECTRICAL EQUIPMENT TO BE RELOCATED
RV DENOTES EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED

Table with 3 columns: TYPE, MFG., DESCRIPTION. Includes items like A1 LIGHTOLIER 1102P1/1126 with LED Lamp, A2 LIGHTOLIER 1000P1/1090 with LED lamp, etc.

CONTRACTOR SHALL CARRY LIGHTING ALLOWANCE

Vertical sidebar containing logos, permit information: ISSUED FOR PERMIT, scale: 1/8" = 1'-0" or AS NOTED, date: 11/18/16, project: 62 India Street, consultant: BENNETT ENGINEERING, architect: NEWBURY / HANCOCK ST, PORTLAND ME.