UNLESS NOTED OTHERWISE.

2. ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX

1. NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS

COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES

3. ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL". UNLESS OTHERWISE NOTED ALL WIRING SHALL BE 2*12 AWG AND 1*12 EQUIPMENT GROUNDING CONDUCTOR. HOMERUNS FED FROM A 20A-1P, 120V CIRCUIT IN EXCESS OF 70' SHALL BE *10 AWG.

4. CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. CONNECT REMOTE HEADS WITH *10 AWG COPPER CONDUCTORS. AC EXIT FIXTURES SHALL BE CONNECTED TO NEAREST EMERGENCY CIRCUIT OR AS INDICATED.

5. TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND BATTERIES.

6. SEE MECHANICAL PLAN FOR HVAC UNITS, PUMPS AND FANS CONTROLLED BY THERMOSTATS (PROVIDED BY ATC CONTRACTOR).

7. 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 MFGR RECOMMENDATION

8. ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.

9. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.

10. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.

11. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70

12. 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).

13. COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.

14. LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE

15. OPERATE ALL FLUORESCENT AND METAL HALIDE LAMPS FROM INITIAL INSTALLATION FOR 100 HOURS AT FULL OUTPUT (NO DIMMING) TO SEASON

16. PROVIDE RISER OR PLENUM RATED CABLES ABOVE SUSPENDED CEILINGS.

17. PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES

18. OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70

LAMPS AND STABILIZE LAMP COLOR.

19. ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN/THHN UNLESS NOTED OTHERWISE.

20. PROVIDE ARC FAULT LABELS PER NFPA 70-ARTICLE 110.24

21. 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

22. 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

23. MINIMUM WIRE SIZE ON ALL BRANCH CIRCUITS SHALL BE #12.

ABBREVIATIONS

LP LIGHTING PANELBOARD ALTERNATING CURRENT, ABOVE COUNTER AMERICANS WITH DISABILITIES ACT LSIG LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT AMP FRAME CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED ARC FAULT CIRCUIT INTERRUPTER MCC MOTOR CONTROL CENTER ABOVE FINISHED FLOOR MCCB MOLDED CASE CIRCUIT BREAKER ABOVE FINISHED GRADE MCB MAIN CIRCUIT BREAKER AMPERES INTERRUPTING CAPACITY MAIN DISTRUBITION PANEL

MLO MAIN LUGS ONLY AUTOMATIC TEMPERATURE CONTROL MTS MANUAL TRANSFER SWITCH AUTOMATIC TRANSFER SWITCH NORMALLY CLOSED OF NURSE CALL AMERICAN WIRE GAUGE

NATIONAL ELECTRICAL CODE BLDG NATIONAL FIRE PROTECTION ASSOCIATION CONDUIT NIGHT LIGHT CB CIRCUIT BREAKER NORMALLY OPEN CAST IRON

CKT CENTERLINE CENTRAL MAINE POWER (ELECTRIC UTILITY) PUBLIC ADDRESS CONCRETE MASONRY UNIT PUSH BUTTON POWER FACTOR

CONC CONCRETE CARBON STEEL TP1-2 TELE-POWER POLE - POLE AND CIRCUIT NUMBER AS INDICATED COPPER CUH CABINET UNIT HEATER PSNH PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY)

DAMP LOCATION POTENTIAL TRANSFORMER ELECTRICAL CONTRACTOR POLYVINYL CHLORIDE EXHAUST FAN ELECTRICAL EQUIPMENT TO BE RELOCATED

EXISTING REMAINS IN PLACE ELECTRICAL EQUIPMENT TO REMAIN EXISTING RELOCATE RIGID STEEL CONDUIT

EXISTING REMOVE ROOF TOP UNIT ELECTRIC UNIT HEATER ELECTRICAL EQUIPMENT TO REMOVE ELECTRICAL WATER COOLER RVNR REDUCED VOLTAGE, NON-REVESING

SMART BOARD FAPS FIRE ALARM PULL STATION SUPPLY FAN SINGLE LINE DIAGRAM FIBER REINFORCED PLASTIC

MANUAL MOTOR STARTER SWITCH WITH THERMAL FULL VOLTAGE, NON-REVERSING OVERLOAD DEVICE, MOUNTED AT UNIT FURNISHED WITH UNIT SOLID STATE SWBD-1 SWITCHBOARD NUMBER AS DESIGNATED

TC TIME CLOCK TRANSFER SWITCH T&B TOP AND BOTTOM TYP TYPICAL

HIGH PRESSURE SODIUM UNDERGROUND **HERTZ** VOLT VOLT-AMPERE INSULATED CASE CIRCUIT BREAKER JUNCTION BOX VARIABLE FREQUENCY DRIVE

THOUSAND AMP INTERRUPTING CAPACITY WEATHERPROOF XFMR TRANSFORMER THOUSAND VOLT-AMPS EXPLOSION PROOF THOUSAND WATTS (KILOWATT)

LIGHTING CONTACTORS 4W FOUR WIRE LCP LATERAL CONTROL PIT 3W THREE WIRE LED LIGHT EMITTING DIODE

SYMBOL LEGEND

SURFACE MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING RECESSED MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING

(1/4) ELECTRIC MOTOR DRIVEN EQUIPMENT, HP SHOWN H, DS, DW @ JUNCTION BOX, "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL

"DW" DENOTES DISHWASHER SM 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 AUXILARY CONTACTS AND HAND-OFF-AUTO SWITCH AND RED RUN LIGHT. PROVIDED AND INSTALLED BY EC UNLESS NOTED OTHERWISE.

VFD 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.

CL FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE. "CL" DENOTES CEILING MONTED

RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF → DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF

POP-UP DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE TAMPER PROOF WITH (2) USBCHARGING PORTS, COLOR BY ARCH. COORDINATE MOUNTING WITH ARCHITECTURALS.

----- RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS BRANCH CIRCUIT WIRING SHALL CONSIST OF ---- RACEWAY & WIRING RUN EXPOSED (1)1/2"C-2*12AWG+1*12GND UNLESS OTHER WISE NOTED. (*)ASTERISK DENOTED *10AWG FOR ALL RACEWAY & WIRING RUN CIRCUITS CONTAINED IN HOME RUN. (**)DOUBLE

CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER

ASTERISK DENOTES (1)3/4"C-2*8AWG+1*10GND PROVIDE EQUIPMENT GROUNDS IN ACCORDANCE WITH NFPA 70, ARTICLE 250.

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

NIGHT LIGHT (UNSWITCHED)

DOOR ELECTRIC STRIKE

모스S DOOR CHIME WITH STROBE-ADA COMMUNICATIONS REQUIREMENT

LIGHTING FIXTURES. CAPITAL LETTERS DENOTE TYPE PER LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTERS INDICATE SWITCH CONTROL. "ab" INDICATES INBOARD LAMPS CONTROLLED BY OUTBOARD SWITCHED "a" AND "b". DIAGONAL INDICATED

SELF CONTAINED EMERGENCY LIGHT W/2 HEADS DUAL-LITE (LED) MODEL LZ25NI-03L, 25 WATTS FOR 90 MINUTES, COLOR BY ARCHITECT

BATT EMERGENCY LIGHTING BATTERY PACK DUAL-LITE No LM130-12VI-0 SELF-DIAGNOSTIC P 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-IOR 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. OT INDICATES DUAL TECHNOLOGY

PIR INDICATED PASSIVE INFRARED TECHNOLOGY Sms Wall Mounted Switch Motion Sensor. Mount at 48" AFF UNLESS OTHER WISE NOTED

SWITCH WITH PILOT LIGHT, SWITCH SHALL BE PROVIDED W/ ENGRAVED NAMEPLATE

SB BURNER SAFETY SWITCH, PROVIDE WITH RED PLATE, MOUNTED 72" AFF

LC LIGHTING CONTACTOR

▼ TELEPHONE/DATA DUAL JACK. MOUNT 18"AFF. RUN TWO CAT 5E CABLES BACK TO TBB

▼ TELEPHONE JACK, MOUNT 18"AFF UNLESS NOTED OTHERWISE, RUN ONE CAT 5E CABLE

TELEPHONE BACK BOARD

W((P)) WIFIROUTER, OCE CAT 5E CABLE BACK TO TBB OR IT ROOM. MOUNT ABOVE CEILING, "W" DENOTES WALL MOUNTED AT 72" AFF

INTERCOM PANEL AT RECEPTION

ER CARD READER LOCATION: PROVIDE BOX AND 3/4" CONDUIT TO NEAREST LOCATION ABOVE SUSPENDED CEILING. PROVIDE 120V DOOR STRIKE POWER FROM NEAREST

FACE FIRE ALARM CONTROL PANEL WITH DEDICATED TELEPHONE JACK

FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8"AFF, NUMBER DENOTES CANDELA RATING. "MH" DENOTES MINIHORN, "CL" DENOTES CEILING MOUNTED. NO DESIGNATION EQUALS 15cd

F FIRE ALARM PULL STATION, MOUNT 48"AF

- 15 SD FIRE ALARM VISUAL STROBE ONLY, FLUSH MOUNT 6'-8" AFF, NUMBER DENOTES CANDELA RATINGS. "CL" DENOTES CEILING MOUNTED

PHOTOELECTRIC TYPE

SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED

SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED

SB SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE, WITH SOUNDER BASE

© CARBON MONOXIDE DETECTOR

SD DUCT SMOKE DETECTOR & TEST STATION

FD/SD 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 WIRED BY EC, VERIFY LOCATIONS WITH

SPRINKLER SYSTEM TAMPER SWITCH SPRINKLER CONTRACTOR.

INTERIOR LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER AND MODEL NUMBER	LAMP INFO	REMARKS
ART	WAC #ME-826LED-X6-WT	8W, LED	CEILING MOUNTED WALL WASHER FOR ART
C1 THRU C9	TBD/PROVIDED BY URBAN DWELLINGS (QTY = 69)		SURFACE MOUNTED CEILING FIXTURE CENTERED ON CEILING AREA
L	TBD BY URBAN DWELLINGS	LED	TAPE LIGHT WITH FROSTED LENS EMBEDDED IN BACK OF BANQUETTE TO WASH WALL
P1 THRU P4	TBD/PROVIDED BY URBAN DWELLINGS (QTY = 17)		INTERIOR PENDANT. VERIFY MOUNTING HEIGHT IN FIELD PRIOR TO ROUGH-IN
PE	VERIFY QTY WITH ARCHITECT		EXTERIOR PENDANT TO BE REFURBISHED
PL	PROGRESS #3649-3030K9	9W LED	ELEVATOR PIT LIGHT
R	WAC #HR2LEDT409P-F-830-WT	14W, LED, 3000K	RECESSED IN HALLS
S1 THRU S5	TBD/PROVIDED BY URBAN DWELLINGS (SEE NOTE 3 BELOW)		INTERIOR WALL SCONCE (SEE NOTE 3 BELOW)
U	COLUMBIA #LRO4-35ML-EDU-GLR	53W, LED, 3500K	SURFACE MOUNTED UTILITY LIGHT

NOTES:

1. FIXTURES SHALL BE ENERGY STAR RATED OR HAVE HIGH PERFORMANCE BALLASTS AND LAMPS TO MEET STAT

2. CONTRACTOR SHALL APPLY FOR ALL STATE EFFICIENCY INCENTIVES ON OWNERS BEHALF.

3. SCONCE MOUNTING HEIGHTS, TYP:

HALL SCONCE (QTY 13): CENTERLINE AT 74" AFF

FIREPLACE/BAR SCONCE (QTY 8): CENTERLINE AT 77" AFF QUEEN C LAV SCONCE (QTY 1): CENTERLINE AT 83" AFF VANITY SCONCE (QTY 32): CENTERLINE AT 75-1/2" AFF

BEDROOM SCONCE (QTY 29): CENTERLINE AT 34" AFF. FIXTURE SHALL BE MOUNTED ON FACE OF HEADBOARD

SINGLE POLE SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3=3-WAY, $\lessgtr_4 \lessgtr_3$ 4=4-WAY,LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.

SRF REMOTE RANGE HOOD FAN SWITCH, CONNECT TO HOOD FAN THRU HOOD JUNCTION BOX. SRL REMOTE RANGE HOOD LIGHT SWITCH, CONNECT TO HOOD LIGHT THRU JUNCTION BOX.

 \square_{0} \square SINGLE POLE DIMMER SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, \square_{4} \square_{3} 3=3-WAY, 4=4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.

∇ DATA JACK, RUN TWO CAT 5E CABLES BACK TO TBB

CL (FLUSH FLOOR MOUNTED TELEPHONE/DATA DUAL JACK, RUN TWO CAT 5E CABLES BACK TO TBB. "CL" DENOTES CEILING MOUNTED

□ INTERCOM PANEL IN UNIT

RECEPTACLE CIRCUIT.

ANN FIRE ALARM ANNUNCIATOR PANEL

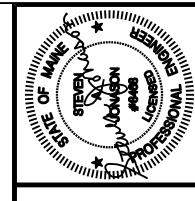
FEM FIRE EXTINGUISHER ELECTRONIC MONITOR-SHALL BE ACCOMPLISHED THROUGH USE OF AN ADDRESSABLE INTERFACE DEVICE AND SHALL PROVIDE INPUT TO THE FACE

SYSTEM CONNECTED SMOKE / CARBON MONOXIDE DETECTOR,

135° SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR

"ER" DENOTES ELEV RECALL

MAGNETIC DOOR HOLD



NEED IN

ANCIS

, ABBREVIATIONS ABOLS & LIGHT