GENERAL NOTES

1. NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES BELOW AS APPLICABLE.

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

4. 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.

5. 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.

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 MFGR 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.

III/2014 Design Projects/14029 Units - 400 Minorate Monantions/Drawings/2-ACF Units, 24.35 MILE BLOCK - NO STAT

28. PROVIDE SIGN AT SERVICE ENTRANCE EQUIPMENT INDICATING TYPE AND LOCATION OF EMERGENCY GENERATOR PER NEC 700.7.

ABBREVIATIONS

EXISTING REMOVE

ELECTRIC UNIT HEATER

FACP FIRE ALARM CONTROL PANEL

FAPS FIRE ALARM PULL STATION

FURNISHED WITH UNIT

DIRECT CURRENT

GROUND

HERTZ

HORSEPOWER

JUNCTION BOX

THOUSAND VOLTS

THOUSAND VOLT-AMPS

KW THOUSAND WATTS (KILOWATT)

LIGHTING CONTACTORS

LCP LATERAL CONTROL PIT

LED LIGHT EMITTING DIODE

ELECTRICAL WATER COOLER

FIBER REINFORCED PLASTIC

GROUND FAULT INTERRUPTER

HIGH INTENSITY DISCHARGE

HAND-OFF-AUTOMATIC

HIGH PRESSURE SODIUM

THOUSAND CIRCULAR MIL

INSULATED CASE CIRCUIT BREAKER

THOUSAND AMP INTERRUPTING CAPACITY

FULL VOLTAGE, NON-REVERSING

ERM

GND

LP LIGHTING PANELBOARD ALTERNATING CURRENT, ABOVE COUNTER LTG LIGHTING AMERICANS WITH DISABILITIES ACT LSIG LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED ARC FAULT CIRCUIT INTERRUPTER MOTOR CONTROL CENTER ABOVE FINISHED FLOOR MCCB MOLDED CASE CIRCUIT BREAKER ABOVE FINISHED GRADE MAIN CIRCUIT BREAKER AMPERES INTERRUPTING CAPACITY MAIN DISTRUBITION PANEL ALUMINUM MH MANHOLE AMP TRIP MAIN LUGS ONLY AUTOMATIC TEMPERATURE CONTROL MANUAL TRANSFER SWITCH AUTOMATIC TRANSFER SWITCH NORMALLY CLOSED OF NURSE CALL AMERICAN WIRE GAUGE NATIONAL ELECTRICAL CODE BUILDING NATIONAL FIRE PROTECTION ASSOCIATION CONDUIT NIGHT LIGHT CIRCUIT BREAKER NORMALLY OPEN CAST IRON NO. NUMBER CIRCUIT CKT OVERLOAD CENTERLINE POLE CENTRAL MAINE POWER (ELECTRIC UTILITY) PUBLIC ADDRESS CONCRETE MASONRY UNIT PUSH BUTTON CURRENT TRANSFORMER POWER FACTOR CONC CONCRETE PHASE CARBON STEEL PANEL COPPER TP1-2 TELE-POWER POLE - POLE AND CIRCUIT NUMBER AS INDICATED CABINET UNIT HEATER PSNH PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY) 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

ROOF TOP UNIT

SMART BOARD

SUPPLY FAN

SOLID STATE

TIME CLOCK

TYPICAL

VOLT

WITH

XEMR TRANSFORMER

3PH THREE PHASE

4W FOUR WIRE

3W THREE WIRE

XP EXPLOSION PROOF

T&B

TYP

UG

W

TRANSFER SWITCH

TOP AND BOTTOM

VFD VARIABLE FREQUENCY DRIVE

UNDERGROUND

VOLT-AMPERE

WEATHERPROOF

SINGLE LINE DIAGRAM

MANUAL MOTOR STARTER SWITCH WITH THERMAL

OVERLOAD DEVICE, MOUNTED AT UNIT

SWBD-1 SWITCHBOARD NUMBER AS DESIGNATED

RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS RACEWAY & WIRING RUN EXPOSED RACEWAY & WIRING RUN ELECTRICAL EQUIPMENT TO REMOVE CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE RVNR REDUCED VOLTAGE. NON-REVESING HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER

PROVIDE EQUIPMENT GROUNDS IN ACCORDANCE WITH NFPA 70, ATRICLE 250.

CABLE TV JUNCTION BOX "CTV", SIZE AS REQUIRED BY CABLE UTILITY

TEMPERATURE CONTROL PANEL, PROVIDED BY MC WIRED BY EC

PUSHBUTTON FOR ELECTRICALLY OPERATED DOOR, FURN W/ DOOR OPERATOR,

CR CARD READER

모어S DOOR CHIME WITH STROBE-ADA COMMUNICATIONS REQUIREMENT

DЮ

BATT EMERGENCY LIGHTING BATTERY PACK DUAL-LITE No LM130-12VI-0 SELF-DIAGNOSTIC

EXTERIOR REMOTE HEAD DUAL-LITE (LED) MODEL No OCRD 1203L COLOR BY ARCHITECT

	LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS QUANTITY & TYPE	REMARKS	
Α	PHILIPS DAYBRITE 2DLG43L835-4-D-UNV	LED, 4300 LUMENS, 35K	MEZZANINE LIGHTING- 2x4 RECESSED LIGHTING	
В	COLUMBIA LIGHTING UC24-117-EU-WSW	24", T8; 17 WATT	UNDER CABINET LIGHTS WITHIN DINING/MEETING 124 & COFFEE STOP 112	

ALL LIGHTING FIXTURES SHALL BE ENERGY STAR RATED OR HAVE HIGH PERFORMANCE BALLAST AND LAMPS TO MEET EFFICIENCY MAINE CRITERIA.

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

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

e DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.

GROUND FAULT DUPLEX RECEPTACLE 20A, 125V, TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 45" AFF EXCEPT AS NOTED. REFRIGERATOR DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 48 INCHES ABOVE FINISHED FLOOR.

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

 $-\! igotimes$ DRYER OUTLET 30 AMP,250 VOLT,GROUNDING TYPE FLUSH MOUNTED 18" AFF

BRANCH CIRCUIT WIRING SHALL CONSIST OF (1)1/2"C-2*12AWG*1*12GND UNLESS OTHER WISE NOTED. (*)ASTERISK DENOTED *10AWG FOR ALL-CIRCUITS CONTAINED IN HOME RUN. (**)DOUBLE ASTRISK DENOTES (1)3/4"C-2*8AWG*1*10GND.

TV OUTLET LOCATION, CABLE AND JACKS BY EC

DOOR PUSHBUTTON-DOORBELI

DOOR ELECTRIC STRIKE

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 NIGHT LIGHT (UNSWITCHED)

SELF CONTAINED EMERGENCY LIGHT W/2 HEADS DUAL-LITE (LED) MODEL LZ65I-03L, 65 WATTS FOR 90 MINUTES, COLOR BY ARCHITECT

INTERIOR REMOTE HEAD DUAL-LITE (LED) MODEL No CPRD 1203L, COLOR BY ARCHITECT

EXIT LIGHT FIXTURE, UNSWITCHED, DUAL-LITE LX-U-R-W-E OR APPROVED EQUAL

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

S_{MS} WALL MOUNTED SWITCH MOTION SENSOR. MOUNT AT 48" AFF UNLESS OTHER WISE NOTED S_{\circ} S SINGLE POLE SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3=3-WAY, S_{4} S_{3} 4=4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.

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

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

 \square_{\bullet} \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.

PC PHOTOCELL LC LIGHTING CONTACTOR

TC TIMECLOCK

▼ TELEPHONE/DATA DUAL JACK, MOUNT 18"AFF, RUN TWO CAT 6 CABLES BACK TO TBB

∇ DATA JACK, RUN TWO CAT 6 CABLES BACK TO TBB. CL FLUSH FLOOR MOUNTED TELEPHONE/DATA DUAL JACK, RUN TWO CAT 6 CABLES BACK TO TBB. "CL" DENOTES CEILING MOUNTED

▼ TELEPHONE JACK, MOUNT 18"AFF UNLESS NOTED OTHERWISE, RUN ONE CAT 6 CABLE BACK TO TBB.

TELEPHONE BACK BOARD

Wifirouter location, cat 6 cable back to tbb or it room. Mount above ceiling, "W" denotes wall mounted at 72" aff

INTERCOM PANEL IN UNIT

INTERCOM PANEL AT RECEPTION

FACE FIRE ALARM CONTROL PANEL ANN 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

JOB FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8"AFF, NUMBER DENOTES CANDELA RATING. "MH" DENOTES MINIHORN, "CL" DENOTED CEILING MOUNTED. NO DESIGNATION EQUALS 75cd

F 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. NO DESIGNATION EQUALS 15cd

SYSTEM CONNECTED SMOKE / CARBON MONOXIDE DETECTOR, PHOTOELECTRIC TYPE

135° SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR

SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED.

SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED. "ER" DENOTES ELEV RECALL SB SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE, WITH SOUNDER BASE

© CARBON MONOXIDE DETECTOR

SD 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.

F SPRINKLER SYSTEM FLOW SWITCH SUPPLIED BY SPRINKLER CONTRACTOR WIRED BY EC, VERIFY LOCATIONS WITH

☐ SPRINKLER SYSTEM TAMPER SWITCH SPRINKLER CONTRACTOR.

HM MAGNETIC DOOR HOLD

FIRE DEPARTMENT KNOX BOX-COORDINATE FINAL LOCATION WITH OWNER/FIRE CHIEF OR INSPECTOR

NURSE CALL BASE STATION

NURSE CALL PULL STATION

₩H 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

ARCHITECTS A STATE

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S S

DRAWING NUMBER

E3.11

Not To Scale 04/17/15