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 IS HIGHER THAN 44" AFF.

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.

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	ALUMINUM
AT	AMP TRIP
ATC	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CI	CAST IRON
CKT	CIRCUIT
℄	CENTERLINE
CMP	CENTRAL MAINE POWER (ELECTRIC UTILITY)
CMU	CONCRETE MASONRY UNIT
CT	CURRENT TRANSFORMER
CONC	CONCRETE
CS	CARBON STEEL
CU	COPPER
CUH	CABINET UNIT HEATER
DL	DAMP LOCATION
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ER	EXISTING REMAINS IN PLACE
ERL	EXISTING RELOCATE
ERM	EXISTING REMOVE
EUH	ELECTRIC 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
FWU	FURNISHED WITH UNIT
DC	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 DISTRUBITION 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
RV	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

QTY	TYPE	MFG.	DESCRIPTION
5	A1	LIGHTOLIER	1102P1/1126 with LED lamp
21	A2	LIGHTOLIER	1000P1/1090 with LED lamp
54	A3	LIGHTOLIER	1000P1/1090 with LED lamp
55	B1	LIGHTOLIER	S5R830K7
36	B2	LIGHTOLIER	1102P1/1105 with LED lamp
19	C1	PROGRESS	P7217-30/ P7003-09
21	C2	LBL LIGHTING	LW559METSILEDW
65	C3	ELK LIGHTING	19060-2
70	C4	WAC	WS12620-PN
35	C5	WAC	WS12718PN
49	C6	BARTCO	BFL250
10	C7	WAC	WL-LED100-AMWT
80	C8	WAC	WL-LED100-AMWT
108	D1	[illegible]	pendants by buyer
22	D2	POSSINI	EU2TOB2
12	D3	POSSINI	EU2TOB2
46	E1	LIGHTOLIER	S5R830K7
62	F	TECH LIGHTING	800CBL5P Kit with 5 fixtures
[illegible]	[illegible]	[illegible]	[illegible]
6	H1	BEACON	ENDURA 27" FLOOD
10	H2	PROGRESS	P5644-20
20	J1	COLUMBIA	AWN4 -232-ELWU
55	L1	STONE LIGHTING	LAYLA SN
82	UC	NICOR	NUC221WH
29	UC	NICOR	NUC212WH
4	EBU-WP	DUAL LITE	LZ30-10W-HTR
35	EBU	LIGHTOLIER	LZ30-10W
12	EXIT	LIGHTOLIER	VERWEM
11	MS	SENSOR SWITCH	CMR-PDT-9
2	EBU-1	DUAL LITE	LZ30-10W
			SITE POLES
5	SITE	HOLOPHANE	DS210590AU617A CM17CBS-CA/BK/ESL 110 4K AS B4

SYMBOL LIST

	CEILING MOUNTED LIGHT FIXTURE.
	WALL MOUNTED LIGHT FIXTURE.
S	SINGLE POLE LIGHT SWITCH
S_3	THREE-WAY LIGHT SWITCHES
S_D	DIMMER SWITCH MINIMUM 1000W OR AS REQUIRED PER CIRCUIT
	DUPLEX RECEPTACLE, 120V,18" AFF.
GFI	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER 8" ABOVE COUNTER TO C_L
R	REFRIGERATOR DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 48 INCHES ABOVE FINISHED FLOOR.
	DUPLEX RECEPTACLE, 120V,18" AFF, TOP OUTLET SWITCHED, BOTTOM SOLID
	120V DOUBLE DUPLEX CONVENIENCE RECEPTACLE
	DUPLEX RECEPTACLE ABOVE COUNTER, 8" ABOVE COUNTER TO C_L
	DUPLEX RECEPTACLE, 120V, FLOOR MUNTED, COORDIINATE LOCATION WITH ARCHITECT
W	TELEPHONE JACK COMPLETE W/JACK AND COVER, ('W' WALL MOUNTED @ 4'-0" A.F.F)
	TELEPHONE/DATA DUAL JACK, MOUNT 18"AFF, RUN TWO CAT 5E CABLES BACK TO TBB
TV	CABLE TV OUTLET, COMPLETE W/JACK AND COVER, HEIGHT AT 18" TO C_L AFF.
	MOTOR
3R	FUSED DISCONNECT SWITCH, (3R RAIN-PROOF).
H	HEAT DETECTOR
CO	CARBON MONOXIDE DETECTOR
S	110V COMBINATION TYPE LOCAL TYPE SMOKE DETECTOR AND CO MONITOR W/BATTERY
H	FIRE ALARM MINI HORN
C	DOOR CHIME
	DOOR BELL
	HOMERUN TO PANEL WITH CONDUCTOR.(HOT, NEUTRAL, GROUND)
J	JUNCTION BOX
	LIGHTING & POWER PANEL, RECESSED
FACP	FIRE ALARM CONTROL PANEL WITH DEDICATED TELEPHONE JACK
TS	TAMPER SWITCH
FS	FLOW SWITCH
TC	TIME CLOCK
FL	COMBINATION FAN AND LIGHT, PROVIDE SEPARATE SWITCHES FOR FAN AND LIGHT. VERIFY LOCATIONS WITH PLANS AND ARCHITECTURAL'S PRIOR TO ROUGH-IN

FIRE ALARM LEGEND

S ER	SYSTEM TYPE SMOKE DETECTOR. ANALOG ADDRESSABLE "ER" DENOTED ELEVATOR RECALL
S_D	DUCT SMOKE DETECTOR WITH REMOTE TEST SWITCH. TUBE WILL HAVE MINIMUM 10 HOLES
H	HEAT DETECTOR. ADDRESSABLE TYPE
F	FIRE ALARM PULL AND HORN/LIGHT DEVICE. PER NFPA 72/ SYCHRONIZED. 15CD IN CORR, MIN 75 CD IN COMMON AREAS
F	FIRE ALARM PULL STATION. ADDRESSABLE, MOUNTED AT 4'-0" AFF.
F	FIRE ALARM HORN/LIGHT (TEMPORAL/SYCHRONIZED). MTD AT 6'-8" AFF 15 CD IN CORRIDORS, MIN 75 CD IN COMMON AREAS
L	FIRE ALARM LIGHT ONLY (SYCHRONIZED). MTD AT 6'-8"AFF 15 CD IN CORRIDORS, MIN 75 CD IN COMMON AREAS
S	HORN / STROBE
FS	SPRINKLER SYSTEM FLOW SWITCH, WIRING ONLY.
TS	SPRINKLER SYSTEM TAMPER SWITCH, WIRING ONLY.
PS	LOW PRESSURE SWITCH WIRED AS SUPERVISORY
FACP	FIRE ALARM CONTROL PANEL WITH DEDICATED TELEPHONE JACK
FAA	FIRE ALARM REMOTE ANNUNCIATOR WITH TROUBLE BUZZER.
DIAL	DIALER BY E.C. WIRED TO UL LISTED ALARM CO.
S	LOCAL TYPE 110V SMOKE DETECTOR, PHOTOELECTRIC TYPE WITH BATTERY BACK-UP. "L" INDICATES BUILT-IN STROBE 177CD)TANDEM WIRED WITH OTHER LOCAL DETECTORS IN THE UNIT. WIRED TO LIGHTING CIRCUIT
CO S	LOCAL TYPE 110V SMOKE/CO COMBINATION DETECTOR, PHOTOELECTRIC TYPE WITH BATTERY BACK-UP. "L" INDICATES BUILT-IN STROBE 177CD)TANDEM WIRED WITH OTHER LOCAL DETECTORS IN THE UNIT. WIRED TO LIGHTING CIRCUIT
CD	CO DETECTOR WITH BATTERY BACK UP
H	MINI HORN/ TEMPORAL PER NFPA 72, LOW FREQUENCY IN BEDROOMS
M	FIRE ALARM RADIO MASTER BOX
M FEX	CONTROL MODULE FOR FIRE EXISTINGUISHER

CITY OF PORTLAND, MAINE — RESURGAM

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Approved with Conditions

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Revisions: OWNER REVISIONS

Scale: 1/8" = 1'-0"

Date: 12/03/15

NOTES, ABBREVIATIONS AND SYMBOL LEGENDS

E2.1