LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS QUANTITY & TYPE	REMARKS
A	NOT USED		
B	NOT USED		
C	PROGRESS *P2858-09EBWB	(3) 26W CF	SURFACE MOUNT IN UNIT BATHROOM - BRUSHED NICKEL FINISH
D	PROGRESS *2796-09	(3) 13W CF GU24	WALL MOUNT ABOVE MIRROR - HANG W/ OPEN SIDE OF SHADES FACING DOWN - BRUSHED NICKEL
D1	PROGRESS *2796-20EBWB	(3) 13W CF GU24	WALL MOUNT ABOVE MIRROR - HANG W/ OPEN SIDE OF SHADES FACING DOWN - ANTIQUE BRONZE
E	DUAL-LITE *LX-U-R-W-E	LED'S FURNISHED W/ UNIT	SINGLE/DOUBLE FACE, END/CEILING/WALL MOUNT
F	PROGRESS *P5108-09EBWB	(1) 13W CF GU24	MINI-PENDANT - BRUSHED NICKEL FINISH
G	PROGRESS *P7278-60EB	(4) F17T8/SPX35	SURFACE MOUNTED IN UNIT KITCHEN
H	NOT USED		
J	COLUMBIA *UC-24-117-EU	(1) F17T8/SPX35	2' UNDERCABINET
K	COLUMBIA *P224-3-32-G-LD-36-S-3EB8L120	(3) F32T8/SPX35	2X4 PARABOLIC - RECESSED IN GRID CEILING - (1) 3 LAMP ELECTRONIC BALLAST
K1	COLUMBIA *P222-3-17-G-LD-33-S-3EB8L120	(3) F17T8/SPX35	2X2 PARABOLIC - RECESSED IN GRID CEILING - (1) 3 LAMP ELECTRONIC BALLAST
L	PROGRESS *P7186	(2) F32T8/SPX35	SURFACE MOUNT WRAPAROUND
M	COLUMBIA *CSR4-232-EB8LH120	(2) F32T8/SPX35	SURFACE MOUNT/CHAIN HANG INDUSTRIAL
M1	COLUMBIA *CSR4-232-EB8LH120-Z	(2) F32T8/SPX35	SURFACE MOUNT/CHAIN HANG INDUSTRIAL - W/ COLD WEATHER BALLAST
N	PROGRESS *4020 (120V)	(1) 75W A19	ELEVATOR PIT LIGHT
P	NOT USED		
Q1	PROGRESS *P3290-20EBWB	(2) 13W CF GU24	SURFACE MOUNT - ANTIQUE BRONZE FINISH
R	PROGRESS *P7089-20EBWB	(1) 26W 4-PIN QUAD	WALL MOUNTED AT IN COMMON SPACE - ANTIQUE BRONZE FINISH
S	PROGRESS *P3757-09EBWB	(3) 13W CF	CHAIN HANG - ANTIQUE BRONZE FINISH
T	NOT USED		
U	PROGRESS *P7183-30EB	(2) 17W CF	2' LONG SURFACE MOUNTED WRAPAROUND
AA	KIM *RA172-100MH-ED17-DB	(1) 100W MH	WALL MOUNTED ON BUILDING EXTERIOR - DARK BRONZE FINISH - VERIFY MOUNTING HEIGHT WITH LANDSCAPE ARCHITECT
BB	KIM *AN52-15LED-DB	LED INCLUDED	WALL MOUNTED ON BUILDING EXTERIOR - DARK BRONZE FINISH - VERIFY MOUNTING HEIGHT WITH LANDSCAPE ARCHITECT

All Lighting fixtures shall be energy star rated or have High performance T8 ballast and lamps to meet Efficiency maine criteria.

PROJECT: MUNJOY COMMONS (EMERSON) PORTLAND, MAINE

THREE PHASE PANELBOARD SCHEDULE

PANEL DESIGNATION: BP (NEW PANEL)

SURFACE MOUNTED

MAIN LUGS: 100A VOLTS: 120/208 PHASE: 3 WIRE: 4

KVA LOAD			A	B	C			KVA LOAD
							22,000 AIC	
1.2	BOILER B-1	1 1P 20				2 1P 20	BOILER B-2	1.2
.60	CP-1A	3 1P 20				4 1P 20	CP-2A	.60
.70	CP-1B & SF-1	5 1P 20				6 1P 20	CP-2B	.53
.94	CP-3	7				8	CP-4	.94
.94		3P				3P		.94
.94		20				20		.94
.20	UNIT HEATER & WALL HEATER RM - 001	13 1P 20				14 1P 20 (3) UH-1		.72
2.2	ERV-1	15 1P 25				16 1P 25	ERV-2	2.2
1.2	DUPLEX SEWAGE EJECTOR	17 1P 20				18 1P 20 (3) BF-1		.36
.50	F.A. SYSTEM	19 1P 20				20 1P 20	TEMP. CONTROLS	.50
	SPACE	21				22 1P 20	SPARE	
		23				24 1P 20		
		25				26	SPACE	
		27				28		
		29				30		
	TOTAL CONN. LOAD 18.4 KVA							

KEYED NOTES

1. PROVIDE NEW ARC FAULT TYPE CIRCUIT BREAKERS FOR ALL 120V BRANCH CIRCUITS IN UNIT WITH THE EXCEPTION OF THOSE SERVING KITCHEN AND BATHROOMS.
2. REPLACE ALL EXISTING OUTLETS WITHIN UNIT WITH NEW TAMPERPROOF OUTLETS.
3. REPLACE ALL EXISTING EXPOSED TV AND TEL. CABLE AND JACKS WITH NEW CONCEALED CABLE AND JACKS WITHIN UNIT.
4. PROVIDE NEW WIRING FOR LIGHTS AND RECEPTACLES AS INDICATED. ALL NEW WIRING TO BE MINIMUM #12 AWG COPPER.
5. PROVIDE CONTACT SWITCH ALARM SYSTEM - (5) #20 AWG. ALARM SHALL SOUND WHEN DOOR IS OPENED AND ALL LIGHTING IN FIRE ESCAPE SHALL TURN ON.
6. PROVIDE NEW 100A, 208V, 1PHS LOADCENTER - USE EXISTING TUB AS JUNCTION BOX, SPLICE EXISTING BRANCH CIRCUITS AND INSTALL NEW WIRE TO MATCH EXISTING DOWN TO NEW LOAD CENTER BELOW.
7. PROVIDE 1 POLE 20 AMP BREAKER IN EXISTING HOUSE PANEL.
8. PROVIDE 1 POLE 20 AMP BREAKER IN EXISTING TENANT PANEL FOR 120V KITCHEN LOADS. RE-USE EXISTING BREAKERS WHERE AVAILABLE.
9. CONNECT TO EXISTING HOUSE EXTERIOR LIGHTING CIRCUIT AND LIGHTING CONTROLS.
10. CONNECT TO EXISTING TENANT LIGHTING CIRCUIT.
11. CONNECT TO EXISTING BREAKER SERVING KITCHEN RANGE IN TENANT PANEL.
12. PROVIDE 1 POLE 20 AMP BREAKER IN EXISTING TENANT PANEL FOR 120V BATHROOM RECEPTACLE. RE-USE EXISTING BREAKERS WHERE AVAILABLE.
13. PROVIDE 1 POLE 20 AMP BREAKER IN EXISTING HOUSE PANEL FOR COMMON SPACE LIGHTING. RE-USE EXISTING BREAKERS WHERE AVAILABLE.
14. REPLACE EXISTING WALL SCONCE WITH NEW TYPE "R" FIXTURE. CONNECT TO AND SWITCH WITH STAIR LIGHTING.
15. PROVIDE (1) 60 AMP 3 POLE BREAKER IN EXISTING HOUSE PANEL FOR NEW PANEL "BP"
16. PROVIDE (1) 30 AMP 2 POLE BREAKER IN EXISTING HOUSE PANEL FOR NEW DRYER LOCATION.

SYMBOL LEGEND

- POWER PANEL,120/208V,3PHS,4WIRE
- TP — LOAD CENTER,120/208V,1PHS,3WIRE (UNIT NUMBER)
- VA — ELECTRIC MOTOR DRIVEN EQUIPMENT,HP SHOWN
- SM — MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE, MOUNTED AT UNIT
- H — JUNCTION BOX - "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL
- A, D, F — LIGHTING FIXTURES- CAPITAL LETTERS DENOTE TYPE AS PER LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTERS INDICATE SWITCH CONTROL. ADDITIONAL CROSS LINE INDICATES NIGHT LIGHT - UNSWITCHED
- J — DISCONNECT SWITCH -250 VOLT- SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING PROVIDED AND INSTALLED BY E.C. - UNLESS OTHERWISE NOTED.
- VFD — VARIABLE FREQUENCY DRIVE - SUPPLIED BY M.C., WIRED BY E.C.
- RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS.
- RACEWAY & WIRING RUN EXPOSED
- RACEWAY & WIRING RUN CONCEALED UNDER FLOOR
- HP 1 3 2 4 — HOME RUN TO PANEL- ARROWS INDICATE QUANTITY OF CIRCUITS- NUMERALS DENOTE CIRCUIT NUMBERS

  BRANCH CIRCUIT WIRING SHALL CONSIST OF 2-#12, 1-#12G,¾"C UNLESS OTHERWISE NOTED. ASTERISK INDICATES #10 AWG FOR ALL CIRCUITS CONTAINED IN HOMERUN. DOUBLE ASTERISK INDICATES 2,-#8 &1,-#10,¾"C
- S — SINGLE POLE SWITCH,120 VOLT,20 AMP,SPEC GRADE, GROUNDING TYPE ,MOUNT 48" AFF. 3-,3-WAY,4-4 WAY,P-PILOT LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD. PILOT LIGHT SWITCHES SHALL BE PROVIDED W/ ENGRAVED NAMEPLATE IDENTIFYING USE.
- SELF CONTAINED EMERGENCY LIGHTING UNIT W/2 HEADS - LITHONIA *ELM2 12WATTS FOR 90 MINUTES, 6V
- E — EXIT LIGHT FIXTURE - UNSWITCHED - SEE LIGHTING FIXTURE SCHEDULE
- D — DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE - MOUNT 18" AFF. "R" DENOTES REFRIGERATOR, "D" DENOTES DOUBLE DUPLEX
- DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE - MOUNT 18" AFF. BOTTOM RECEPTACLE SWITCHED
- GF — DUPLEX RECEPTACLE- GROUND FAULT OUTLET 20A, 125V- TAMPER PROOF, WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 45" AFF EXCEPT AS NOTED.
- RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
- DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
- FACP — FIRE ALARM CONTROL PANEL
- 30 MH — FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8"AFF - NUMERAL DENOTES CANDELA RATING "MH" DENOTES MINIHORN
- 15 S — FIRE ALARM VISUAL STROBE ONLY - FLUSH MOUNT 6'-8" AFF NUMERALS DENOTE CANDELA RATINGS.
- 135° 200° — SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR
- SB — SYSTEM CONNECTED SMOKE DETECTOR,PHOTOELECTRIC TYPE- W/ SOUNDER BASE- "SB" DENOTES SOUNDER BASE.
- SS — SINGLE STATION SMOKE DETECTOR - PHOTOELECTRIC - AUDIBLE/VISUAL TYPE ALARMS
- SD — DUCT SMOKE DETECTOR & TEST STATION
- F — FIRE ALARM PULL STATION - MOUNT 48"AFF
- DOOR RELEASE
- H — MAGNETIC DOOR HOLDER
- TV — TV OUTLET LOCATION - CABLE AND JACKS BY E.C. - INTERCONNECT ALL LOCATIONS WITHIN EACH UNIT WITH (1) HOMERUN OF RG6 BACK TO TBB.
- TELEPHONE/DATA DUAL JACK LOCATION MOUNT 18"AFF - TWO CAT 5 CABLES BACK TO TBB.
- TELEPHONE JACK LOCATION MOUNT 18"AFF - ONE CAT 5 CABLE BACK TO TBB.
- IC — INTERCOM PANEL AT ENTRANCE
- PADDLE SWITCH FOR ELECTRICALLY OPERATED DOOR - FURN. W/ DOOR OPERATOR - WIRED BY E.C.
- CH — DOOR CHIME
- DOOR PUSHBUTTON
- WP — WEATHERPROOF
- MS — MOTION SENSOR (WATTSTOPPER OR EQUAL) CORRIDORS: WT-2255 SENSOR & B120E-P POWER PACK OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK

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Munjoy Commons Apartments

Portland, Maine

Project No: 07429

Drawing Title:

EMERSON ELECTRICAL DET., LEG., SCHED.

Scale: 1/4" = 1'-0"

Date: August 28, 2009

Revisions:

Drawing Number:

EMERSON E2.1

1 ELECTRICAL DETAILS, LEGEND AND SCHEDULES

REFERENCED FROM:

SCALE: AS NOTED