LIGHTING

- 2x4 FIXTURE — Ab: ASSOCIATED CONTROL DEVICE; FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- 1x4 FIXTURE
- 2x2 FIXTURE
- EXIT SIGN, CEILING MOUNTED ARROW INDICATES EGRESS DIRECTION SHADING INDICATES SIGN FACE
- EXIT SIGN, WALL MOUNTED SHADING INDICATES SIGN FACE
- DUAL HEAD EMERGENCY LIGHT BATTERY PACK TD - TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- S3 — 3-WAY TOGGLE SWITCH
- Sa — SINGLE POLE TOGGLE SWITCH INDICATES CONTROLLED FIXTURE
- SD — DIMMER SWITCH. DIGITAL LED TYPE
- Sos — OCCUPANCY SENSOR SWITCH
- X — OCCUPANCY SENSOR a. INDICATES CONTROLLED FIXTURE INDICATES AIMING DIRECTION
- TC — TIME CLOCK, 277V

COMMUNICATION & DATA SYSTEMS

- TELEPHONE SYSTEM WALL JACK W-INDICATES WALL MOUNTED AT 48" AFF (2)-INDICATES 2 OUTLETS, SINGLE BOX
- DATA SYSTEM OUTLET
- COMBINATION VOICE/DATA SYSTEM OUTLET

POWER

- 60 / (4) — NON-FUSED SAFETY SWITCH; AMPERE RATING; NEMA ENCLOSURE RATING
- M — MANUAL MOTOR SWITCH, TOGGLE OPERATED, SINGLE PHASE. 1 OR 2 POLE AS REQUIRED (NO OVERLOAD PROTECTION)
- J — JUNCTION BOX
- T — TRANSFORMER
- P — POWER POLE
- DUPLEX RECEPTACLE, NEMA 5-20R.
- GFI DUPLEX RECEPTACLE, NEMA 5-20R
- PANELBOARD, NORMAL POWER
- DOUBLE DUPLEX (QUADPLEX) RECEPTACLE, NEMA 5-10R

FIRE ALARM

- F — FIRE ALARM MANUAL PULL STATION
- F — FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- F (110) C — FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE; CANDELA INTENSITY-15/75 UNLESS OTHERWISE NOTED; CEILING MOUNTED
- P A — PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNTED INDICATES AUXILIARY CONTACT.

SECURITY SYSTEMS

- DPS — MONITORED DOOR POSITION SWITCH
- CR — CARD READER
- KP — KEY PAD
- ES — ELECTRIC STRIKE
- C — CEILING OR WALL MOUNTED CAMERA
- PB — PANIC BUTTON

LINE TYPES

- EXISTING
- NEW
- DEMOLITION

ABBREVIATIONS

A,AMP	AMPERE	LA	LIGHTNING ARRESTER
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AFG	ABOVE FINISHED GRADE	MC	METAL CLAD
AHJ	AUTHORITY HAVING JURISDICTION	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERE INTERRUPTING CAPACITY	MFR	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MI	MINERAL INSULATED
BFG	BELOW FINISHED GRADE	MLO	MAIN LUG ONLY
BOS	BOTTOM OF STEEL	MTD	MOUNTED
C	CONDUIT, CONDUCTOR	MV	MEDIUM VOLTAGE
CATV	CABLE TELEVISION	NC	NORMALLY CLOSED
CB	CIRCUIT BREAKER	NEC	NATIONAL ELECTRICAL CODE
CCTV	CLOSED CIRCUIT TELEVISION	NEG	NEGATIVE
CPT	CONTROL POWER TRANSFORMER	NEUT	NEUTRAL
CT	CURRENT TRANSFORMER	NIC	NOT IN CONTRACT
CU	COPPER	NO	NORMALLY OPEN
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	NTS	NOT TO SCALE
		PF	POWER FACTOR
DB	DIRECT BURIED	PH	PHASE
DISC	DISCONNECT	PVC	POLYVINYL CHLORIDE
DN	DOWN	RGS	RIGID STEEL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	RSC	RIGID STEEL CONDUIT
EWC	ELECTRIC WATER COOLER	RTD	RESISTANCE TEMPERATURE DETECTOR
FAA	FIRE ALARM ANNUNCIATOR		
FACP	FIRE ALARM CONTROL PANEL	SN	SOLID NEUTRAL
FBO	FURNISHED BY OTHERS	STP	SHIELDED TWISTED PAIR
FU	FUSE	STT	SHIELDED TWISTED TRIPLET
FWE	FURNISHED WITH EQUIPMENT	SWBD	SWITCHBOARD
GEN	GENERATOR	SWGR	SWITCHGEAR
GFCI	GROUND FAULT CIRCUIT BREAKER	TOS	TOP OF STEEL
GND	GROUND	TP	TAMPER PROOF
HP	HORSEPOWER	TRANSF	TRANSFORMER
HTR	HEATER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
IG	ISOLATED GROUND		
IMC	INTERMEDIATE METAL CONDUIT	UNO	UNLESS NOTED OTHERWISE
K	KILO	V	VOLT
KCMIL	THOUSAND CIRCULAR MILS	VA	VOLT-AMPERE
KV	KILOVOLT	VAR	VOLT-AMPERE REACTIVE
KVA	KILOVOLT-AMPERE	WM	WATT METER
KVAR	KILOVOLT-AMPERE REACTIVE	WP	WEATHER PROOF
KW	KILOWATT	XFMR	TRANSFORMER
KWH	KILOWATT-HOUR	XP	EXPLOSION PROOF

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70 2014, NATIONAL ELECTRICAL CODE (NEC).
2. ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 260000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
3. UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF, LIGHTING TOGGLE SWITCHES 48-INCHES AFF, DATA SYSTEM OUTLETS 18-INCHES AFF, FIRE ALARM NOTIFICATION DEVICES 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES TO TOP OF DEVICE.
4. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
5. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
6. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
7. UNLESS OTHERWISE NOTED WIRING SHALL BE 2#12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
8. FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
9. LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 277 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
10. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
11. PROVIDE WALL PLATES FOR ALL WIRING DEVICES, COLORED SMOOTH TYPE THERMOPLASTIC IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
12. ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION.
13. TRANSFORMER SUPPORTS SHALL BE PROVIDED WITH THE UNIT AND FROM THE MANUFACTURER.
14. WIRING FOR TELECOMMUNICATIONS BY OWNER. CONTRACTOR SHALL INSTALL CONDUIT FROM BOX IN WALL WITH PULLSTRING, TO 6" ABOVE CEILING. CONDUIT TO BE 1" MINIMUM.
15. OCCUPANCY SENSORS SHALL BE WATT STOPPER DUAL TECHNOLOGY UNITS OR APPROVED EQUAL. 30 MIN TIME SETTING WITH MANUAL ON AND AUTOMATIC OFF.
16. NEW PANEL TO BE EATON/CUTLER HAMMER TO MATCH EXISTING IN FACILITY.
17. NEW FIRE ALARM DEVICES TO MATCH EXISTING BUILDING STANDARD.
18. CIRCUIT ALL EXIT SIGNS TO NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ANY SWITCHES.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR.	LAMPS	MOUNTING	NOTES
A	LED 2X4 WITH CENTER LENS AND MEDIUM HIGH LUMEN OUTPUT 277V	METALUX 24CZ-LD4-65-S-UNV-L835-HCD1	62W LED 6682 LUMEN 3500K	RECESSED GRID	PROVIDE WITH EMERGENCY BATTERY DRIVER WHERE SHOWN ON DRAWINGS.
B	LED 2X2 WITH CENTER LENS AND HIGH LUMEN OUTPUT 277V	METALUX 22CZ-L04-20-S-UNV-L835-HCD1	49.2 W LED 4394 LUMEN 3500K	RECESSED GRID	PROVIDE WITH EMERGENCY BATTERY DRIVER WHERE SHOWN ON DRAWINGS.
C	RECESSED 6 INCH LED LENS DOWNLIGHT, EXTERIOR RATED WITH EMERGENCY BATTERY PACK 277V	METALUX LD6A 10D010TE EM7 ERM6A 10830 6LM1H WF HB26 LGSKT61P66	14 W LED 1000 LUMEN 3000K	RECESSED	PROVIDE WITH REMOTE BATTERY LOCATED ABOVE CEILING OF NEAREST CONDITIONED SPACE
	LED EXIT SIGN WITH RED LETTERING, INTEGRAL BATTERY, AND 5 YR WARRANTY 277V	COOPER	LED	UNIVERSAL	PROVIDE FIXTURE TO MATCH BUILDING STANDARD

DIRECTORY	kVA LOAD A	kVA LOAD B	kVA LOAD C	CKT NO.	BKR AMPS	A B C	BKR AMPS	CKT NO.	kVA LOAD A	kVA LOAD B	kVA LOAD C	DIRECTORY
RECEPTS WORKSTATION	0.5			1	20		20	2	0.8			RECEPTS 101 PHARMACY
RECEPTS WORKSTATION		0.5		3	20		20	4		1.0		RECEPTS 101 - FRIDGE
RECEPTS COUNTER			1.0	5	20		20	6			1.0	RECEPTS 102, 103, 104, 105
RECEPTS COUNTER	1.0			7	20		20	8	0.2			RECEPTS EXTERIOR
SPARE				9	20			10		3.6		
SPARE				11	20		40	12			3.6	CU-1
SPARE				13	20			14	3.6			
SPARE				15	20		20	16		0.3		ERV-1
SPARE				17	20		20	18			2.0	HC-1
SPARE				19	20		20	20	0.8			EH-1
SPARE				21	20		20	22		0.6		CUH-1
SPARE				23	20		20	24			1.0	RECEPTS 101- FRIDGE
SUB-TOTAL	1.5	0.5	1.5			NEUTRAL BUS / GROUND BUS			5.4	5.5	7.6	SUB-TOTAL

VOLTAGE: 208V/120A 3 PHASE 4 WIRE	100A AMP BUS	TOTAL kVA A	6.9	PANEL NO.	RP1A
MAIN BREAKER:	100A AMP TRIP	TOTAL kVA B	6.0		
MOUNTING: FLUSH		TOTAL kVA C	9.1	LOCATION	CORRIDOR 103
SC RATING: 12,000		TOTAL kVA	22.0		
NOTES:					

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

Reviewed for Code Compliance
Inside Line Services
Authorized Signature
Date: 09/06/16

REV	DESCRIPTION	DATE
0	PERMIT SET	7-1-16

PERMIT SET
7-1-16
CURRENT ISSUE STATUS:

STATE OF MAINE — JAY T. WESTRA 13509 — LICENSED PROFESSIONAL ENGINEER

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MILLER DRUG FITUP
MERCY FORE RIVER MOB

195 Fore River Parkway, Portland, ME 04102

LEGEND AND GENERAL NOTES

SHEET TITLE:

0 1/4" 1/2" 1" 2" 3"

SCALE: NONE

PROJECT MANAGER:	KD	PROJECT NO:	16087
A/E OF RECORD:	RB		
JOB CAPTAIN:	SHK		
DRAWN BY:	CDS		
SMRT FILE:	E-001-16087	SHEET No.	E-001

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