ELECTRICAL SYMBOLS LIST LIGHTING 2'x4'/2'x2' RECESSED CEILING MOUNTED FIXTURE NL 'A' 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' NL 'A' NS = NOT SWITCHED NL = NIGHT LIGHT SIMILAR TO ABOVE WITH EMERGENCY BACKUP 'A' = FIXTURE TYPE 'A'

'a' = CONTROLLED BY SWITCH 'a' WALL MOUNTED LIGHT FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' NL = NIGHT LIGHT STRIP FIXTURE-TYPE AS NOTED 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' EM = EMERGENCY BACKUP

UNDERCABINET LIGHT FIXTURE 'A' = FIXTURE TYPE **CEILING MOUNTED FIXTURE** 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a'

SIMILAR TO ABOVE WITH EMERGENCY BACKUP 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' WALL MOUNTED LIGHT FIXTURE

'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' SIMILAR TO ABOVE WITH EMERGENCY BACKUP

'A' = FIXTURE TYPE

'a' = CONTROLLED BY SWITCH 'a' ACCENT LIGHT OR WALL WASHER 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a'

> SIMILAR TO ABOVE WITH EMERGENCY BACKUP 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a'

CEILING MOUNTED EXIT LIGHT; TYPE 'X' - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES

WALL MOUNTED EXIT LIGHT; TYPE 'X' - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES

EMERGENCY BATTERY LIGHT UNIT 'A' = FIXTURE TYPE

> REMOTE LIGHT HEADS FOR EMERGENCY BATTERY LIGHT UNIT TYPE AS NOTED

POWER

SINGLE POLE SWITCH a = CONTROLLING OUTLET 'a' 2 = DOUBLE POLE 3 = THREE-WAY 4 = FOUR-WAY D = DOORK = KEY OPERATED MO = MOMENTARY CONTACT T = TIME SWITCH P = PILOT LIGHT

DISCONNECT SWITCH - TOGGLE TYPE WITH THERMAL OVERLOAD - 277V HP RATED

DISCONNECT SWITCH - TOGGLE TYPE MOTOR RATED, 20A, 1P, U.O.N. WALL DIMMER - TYPE 'A' NUMBER INDICATES WATTAGE RATING

OCCUPANCY SENSOR, CEILING MOUNTED OCCUPANCY SENSOR, WALL MOUNTED

PHOTO CONTROL SWITCH

TRANSFORMER

20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED CONTROLLED FROM WALL SWITCH 'a'

20A, 125V QUADRUPLEX RECEPTACLE - FLUSH WALL MOUNTED

20A, 125V ISOLATED GROUND, DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED

20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED, GFI TYPE

> 20A, 125V EMERGENCY DUPLEX RECEPTACLE - FLUSH WALL MOUNTED 20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED,

20A, 125V EMERGENCY DUPLEX RECEPTACLE - FLUSH WALL MOUNTED, WITH TWO (2) INTEGRALLY POWERED USB PORTS

SINGLE RECEPTACLE - FLUSH WALL MOUNTED 20A, 125V DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED

20A, 125V QUADRUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED

WITH TWO (2) INTEGRALLY POWERED USB PORTS

5, 3, 1 HOMERUN-NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR

REFERENCE ONLY. 2#12+1#12G-3/4"C FOR ONE CKT. HOMERUN, U.O.N. 4#12+1#12G-3/4"C FOR TWO CKT. HOMERUN, U.O.N. 6#12+1#12G-3/4"C FOR THREE CKT. HOMERUN, U.O.N.

HOMERUN - NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY

 \boxtimes MOTOR CONTROLLER

COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED

30/3 UNFUSED DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED

FUSED DISCONNECT SWITCH; SWITCH AMPS/FUSE AMPS/ # OF POLES, VOLTAGE RATING AS REQUIRED ENCLOSED CIRCUIT BREAKER СВ TRIP AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED

SURFACE MOUNTED LIGHTING PANELBOARD

NA = NON-AUTOMATIC

FLUSH MOUNTED LIGHTING PANELBOARD SURFACE MOUNTED POWER PANELBOARD

FLUSH MOUNTED POWER PANELBOARD SURFACE MOUNTED POWER DISTRIBUTION PANELBOARD

CEILING MOUNTED JUNCTION BOX FLUSH WALL MOUNTED JUNCTION

FLUSH FLOOR MOUNTED JUNCTION BOX PULLBOX

POWER POLE EXISTING CONDUIT TO BE REMOVED — X X X

EXISTING CONDUIT/EQUIPMENT TO REMAIN

FLEXIBLE EQUIPMENT CONNECTION

NEW CONCEALED CONDUIT NEW EXPOSED CONDUIT NEW UNDERGROUND/IN SLAB CONDUIT

NEW EMERGENCY CONDUIT CONDUIT TURNING UP

CONDUIT TURNING DOWN CONDUIT STUB-UP WITH FLEXIBLE EQUIPMENT CONNECTION

CAPPED CONDUIT **PUSH BUTTON** K = KEY OPERATED

SECTION A-A

H = HOLD UP P = PANIC

SINGLE LINE DIAGRAM

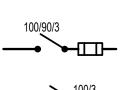
POWER TRANSFORMER VOLTAGES, WINDINGS AND SIZE AS INDICATED

AUTOMATIC TRANSFER SWITCH ATS = AUTOMATIC TRANSFER MTS = MANUAL TRANSFER POLES AND RATING AS NOTED

MOTOR

GENERATOR

GROUND CONNECTION



FUSED SWITCH 100 AMP SWITCH / 90 AMP / 3 POLE

UNFUSED SWITCH - 100 AMP SWITCH / 3 POLE

CIRCUIT BREAKER - MOLDED CASE TYPE 90 AMP TRIP / # OF POLES LT = LONG TIME SETTING ST = SHORT TIME SETTING I = INSTANTANEOUS SETTING

CONTROL UNITS (PANELS)

FACP FIRE ALARM CONTROL PANEL DGP FIRE ALARM DATA GATHERING PANEL

RELATED EQUIPMENT

DOOR HOLDER DOOR CLOSER END OF LINE RESISTOR JUNCTION BOX \bigcirc

VOICE/DATA/P.A.

WALL MOUNTED PUBLIC ADDRESS SPEAKER D = DUAL HORN CEILING MOUNTED PUBLIC ADDRESS SPEAKER D = DUAL HORN VOICE & DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING #/# = # OF VOICE JACKS / # OF DATA JACKS VOICE OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING P = PUBLIC F = FAX

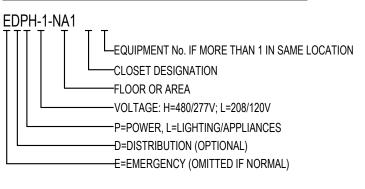
DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING # = NUMBER OF JACKS

W = WALL MOUNTED 48"AFF

= NUMBER OF JACKS

TV TELEVISION OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING

NEW EQUIPMENT DESIGNATIONS



ABBREVIATIONS

ABBRE	<u>VIATIONS</u>
+	SPECIAL MOUNTING HEIGHT.
	COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS
1P	SINGLE POLE
2P	TWO POLE
3P	THREE POLE
A AFF	AMPERE ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACIT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BLDG CAB	BUILDING
САВ	CABINET
СВ	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT CLG	CIRCUIT
CTL	CEILING CONTROL
CONN	CONNECTED
CONT	CONTINUATION
CU	COPPER
DEG °C	DEGREE DEGREE CELSIUS
°F	DEGREE FAHRENHEIT
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DN DP	DOWN DISTRIBUTION PANEL BOARD
DWG	DRAWING
(E)	EXISTING TO REMAIN
EA	EACH
EC ELEC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL EMERGENCY
EQUIP	EQUIPMENT
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED & RELOCATED
EXIST,EX	EXISTING
FA	FIRE ALARM
FACP FDR	FIRE ALARM CONTROL PANEL FEEDER
FIXT	FIXTURE
FL	FLOOR
FLA	FULL LOAD AMPERES
FLEX FLUOR	FLEXIBLE FLUORESCENT
G	GROUND
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
HP HZ	HORSE POWER HERTZ
IG	ISOLATED GROUND
INCAND	INCANDESCENT
JB	JUNCTION BOX
KCMIL KV	THOUSAND CIRCULAR MILS KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LTG MCB	LIGHTING MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUG ONLY
MTD	MOUNTED
N NC	NEUTRAL NORMALLY CLOSED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
P PB	POLE PULL BOX
Ø Ø	PHASE
PNL	PANEL
PWR	POWER
(RE)	RELOCATED EXISTING
RECEPT,REC (RRO)	RECEPTACLE EXISTING TO BE REMOVED AND
RETURN TO OWNER	
SCHED,SCH SCH SPEC	IEDULE SPECIFICATION
SPKR	SPEAKER

SYS UON SPEAKER SWITCH SYSTEMS

UNLESS OTHERWISE NOTED

VOLT OR VOLTAGE



BERG + MOSS ARCHITECTS PC THE BEACON BUILDING 473 MAIN STREET No. 1 BEACON, NY 12508 T: 845 831 1318 INFO@BERGMOSS.COM

STRUCTURAL/ CIVIL ENGINEERS



MECHANICAL ENGINEERS



Description Date SSUED FOR BID 1/03/23



SPRING VALLEY POLICE LOCKER UPGRADES



SHEET

DRAWING NO.

E-000.00

ISSUE DATE: SEAL & SIGNATURE 9-27-23 DWG BY: CHK BY:

JOB NUMBER 23025-00