### CIRCUITRY

SINGLE POLE HOME-RUN TO PANEL AND CIRCUIT AS INDICATED. 2#12,1#12G-3/4"C-20A OCPD UON HOMERUN TO PANEL BOARD AS INDICATED. QUANTITY OF RP-A #1,3,5 ARROWHEADS INDICATE THE NUMBER OF SINGLE POLE CIRCUITS. EACH CIRCUIT WITH DEDICATED NEUTRAL.

→ MULTIPOLE HOMERUN TO PANELBOARD AS INDICATED.

# SECURITY/DOOR CONTROL

PC DESKTOP COMPUTER FOR SPECIFIC SYSTEM (FIRE ALARM, ACCESS CONTROL ETC...) COMPLETE WITH ALL CONNECTIONS, SOFTWARE AND PROGRAMMING.

IT/DATA OUTLET/JACK RJ45 WITH CAT 6A CABLING IN ACCESSIBLE CEILING CAVITY FOR POE WIFI ACCESS POINT.

DOOR IDENTIFIER. SEE SECURITY/ACCESS CONTROL DETAILS AND ARCHITECTURAL DRAWINGS/SCHEDULES FOR ADDITIONAL

CONCEALED MAGNETIC SWITCHES IN THE HEAD OF THE DOOR/JAMB (LATCH SIDE) AND IN THE ELECTRIC HINGE

ELECTRIFIED MORTISE LOCK/LATCH SET AND ASSOCIATED ELECTRIC HINGE HARDWARE. PROVIDE CONCEALED THRU WIRING IN DOOR THROUGH TO HINGE. PROVIDE MORTAR SHIELD BOX WITH RACEWAY UP FRAME/WALL TO SYSTEM

ELECTRIC STRIKE RELEASE. PROVIDE MORTISE SHIELD WITH CONCEALED WIRING UP FRAME/WALL (IN RACEWAY) TO ACCESS CONTROL SYSTEM.

ACCESS CONTROL READER AND ASSOCIATED DOOR DEVICES ETC.. ELECTRIC HINGE WITH CONCEALED MAGNETIC CONTACT AND WIRING THROUGH THE DOOR LEAF TO EML OR STRIKE

COMPONENT(S). DOORCHIME/BUZZER WITH ASSOCIATED CONTROL POWER TRANSFORMER. CIRCUIT TO ACTIVATE ON OPERATION OF THE

ASSOCIATED PUSHBUTTON PUSHBUTTON. CIRCUIT TO ACTIVATE ASSOCIATED DOORCHIME/BUZZER.

POWER SUPPLY "a" (DESIGNATION VARIES) FOR LED LIGHTING. PROVIDE IN NEMA 1 ENCLOSURE. PROVIDE CONCEALED LOW VOLTAGE CIRCUITRY TO LED.

EMERGENCY CALL ANNUNCIATOR/CONTROLLER/SYSTEM WITH AUDIO AND VISUAL INDICATING OF EMERGENCY CALL STATION ACTIVATION. CIRCUIT TO ORIGINAL CIRCUIT.

EMERGENCY CALL ELECTRIC STRIKE RELEASE. CIRCUIT TO RELEASE DOOR ON ACTIVATION OF EMERGENCY CALL STATION

IN TOILETS: EMERGENCY CALL PULL STATION WITH PULL ASSOCIATED AUDIO-VISUAL ANNUNCIATING DEVICE. PROVIDE COMPLETE SYSTEM AND POWER SUPPLY.

SURFACE MOUNTED CAMERA. POWERED OVER ETHERNET (POE). PROVIDE WITH CAT6A CABLE IN RACEWAY BACK TO THE NEAREST IT/DATA CLOSET/ROOM

### POWER DEVICES

DECORA STYLE SPECIFICATION GRADE DUPLEX SAFETY GRADE NEMA 5-20R RECEPTACLE. WHERE INDICATED WITH "TV" MOUNT 60"AFF FOR TELEVISION.

DECORA STYLE DOUBLE DUPLEX (QUAD) RECEPTACLE,

SPECIFICATION SAFETY GRADE GRADE NEMA 5-20R. WHERE INDICATED PROVIDE WITH INTEGRAL USB POWER JACKS.

SPECIFICATION GRADE DECORA DUPLEX NEMA 5-20R RECEPTACLE ON DEDICATED CIRCUIT.

DECORA STYLE SPECIFICATION GRADE TAMPER RESISTANT DUPLEX NEMA 5-20R RECEPTACLE. WITH TYPE A AND C USB POWER PORTS

SPECIFICATION GRADE NEMA L21-30R (UON) RECEPTACLE

SPECIFICATION GRADE NEMA L6-30R (UON) RECEPTACLE

RECESSED FLOOR BOX WITH TWO (1) NEMA 5-20R RECEPTACLE, (1) NEMA 5-20R W/USB RECEPTACLE AND DATA/IT/AV/MEDIA ETC... RECEPTACLES. WIREMOLD EVOLUTION SERIES EFB6S-(OG WHERE APPLICABLE). COORDINATE TYPE TO ACCOMMODATE THE TYPE OF CONSTRUCTION BOX IS TO BE INSTALLED IN. PROVIDE COMPLETE WITH SIDE MODULES, PLATES, DIVIDERS, CAPS AND COVERS AND TRIMS. EXPOSED FINISHES AS APPROVED BY ARCHITECT. PROVIDE CONCEALED POWER CIRCUITRT IN 1\frac{1}{4}"C. PROVIDE CONCEALED 1 1 DATA RACEWAY.

WALL MOUNTED/TRANSITION BASE POWER FEED WITH CONNECTION WHIP TO/FOR FURNITURE. "P" DENOTES FOR POWER. "D" DENOTES LOW VOLTAGE (DATA, TELEPHONE ETC..).

FLOOR MOUNTED/TRANSITION BASE FEED FOR FURNITURE. FIRE RATED FLOOR BOX WITH CONNECTION WHIP. "P" OR "PWR" DENOTES FOR POWER. "D" OR "DATA" DENOTES LOW VOLTAGE (DATA, TELEPHONE ETC.)

SEM EMERGENCY SHUT OFF SWITCH.

### GENERAL

KEYED NOTE

### FIRE ALARM

CEILING MOUNTED CARBON MONOXIDE DETECTOR. PROGRAM FOR SUPERVISORY ANNUNCIATION DUCT MOUNTED SMOKE DETECTOR WITH PITOT SAMPLING TUBE, HOUSING, HEATER AND WEATHER ENCLOSURE. PROVIDE REMOTE STATION.

INTELLIGENT MONITOR MODULE. ADDRESSABLE OPEN AREA CEILING MOUNTED SMOKE

ADDRESSABLE BEAM TYPE SMOKE DETECTOR. MANUAL PULL STATION

AUDIO/VISUAL INDICATING APPLIANCE. (FIRE-ALARM)

VISUAL INDICATING APPLIANCE.

FIRE ALARM SUPERVISED EXTENDED POWER SUPPLY WITH AUDIO/VISUAL APPLIANCE CIRCUIT(S).

FIRE ALARM CONTROL PANEL (FACP).

FIRE ALARM 2 LINE LIQUID CRYSTAL ANNUNCIATOR. FIRE ALARM REMOTE INDICATOR STATION. ILLUMINATES WHEN

ASSOCIATED (USUALLY CONCEALED) DEVICE IS ACTIVATED.

THREAT INDICATING APPLIANCE. (FIRE-ALARM) THREAT PULL STATION

ADDRESSABLE OPEN AREA CEILING MOUNTED SMOKE DETECTOR PROVIDED FOR ELEVATOR RECALL.

### ONE-LINE

METERING CURRENT TRANSFORMERS AND POTENTIAL CT'S/TAPS AS APPLICABLE.

CIRCUIT TAG

CIRCUIT BREAKER - 3 POLE UON. "ST" INDICATES WITH SHUNT TRIP COIL.

CIRCUIT BREAKER - 3 POLE UON

FUSED DISCONNECT (ONE-LINE) ----II GROUND

PANELBOARD (ONE-LINE)

SPD SURGE PROTECTION DEVICE-JOSLYN SPD OR SURGITRON III 1455-49

STATIONARY ELECTRIC GENERATOR.

PORTABLE TRAILER MOUNTED ELECTRIC GENERATOR.

UTILITY POLE

TRANSFORMER

AUTOMATIC TRANSFER SWITCH.

### GROUNDING

LIGHTNING PROTECTION AIR TERMINAL AND ASSOCIATED

GROUNDING/BONDING CONNECTION. CADWELD UON. GROUND ROD. COPPER CLAD 5/8"ø 10' LONG UON

# COPPER GROUND BAR.

### SYMBOLS LIST

### LIGHTING

2'X4' (NOMINAL) LIGHTING FIXTURE -TYPE 'BB' UON 2'X4' (NOMINAL) LIGHTING FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK -TYPE 'BBE' UON

2'X2' (NOMINAL) LIGHTING FIXTURE—TYPE 'BA' UON 2'X2' (NOMINAL) EMERGENCY LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK -TYPE 'BAE' UON. RECESSED DOWN LIGHT

WALL MOUNTED LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK -TYPE 'T' UON. 1'X4' (NOMINAL) LIGHTING FIXTURE. TYPE T WITH PENDANT MOUNT UON.

WALL MOUNTED LIGHT FIXTURE. CIRCUITING/FIXTURE TYPE AS INDICATED. WHERE NO TYPE IS INDICATED PROVIDE OUTDOOR LED WALL PACK. WALL MOUNTED WP LIGHT FIXTURE WITH BATTERY BACK UP.

CIRCUITING/FIXTURE TYPE AS INDICATED. WHERE NO TYPE IS

INDICATED PROVIDE OUTDOOR LED WALL PACK WITH BATTERY

SYMBOL FOR HEAD-

TRACK LIGHTING WITH ALL ASSOCIATED FITTINGS AND PLATES. TRACK LENGTH PER PLANS HEADS AS INDICATED. TRACK\_ WALL MOUNTED LED ILLUMINATED EXIT LIGHT WITH INTEGRAL

BATTERY BACKUP AND DUAL EMERGENCY LIGHTS SAME AS ABOVE BUT DUAL DIRECTIONAL AND CEILING MOUNTED

SAME AS ABOVE BUT DIRECTIONAL AND WALL MOUNTED

WALL MOUNTED EMERGENCY LIGHT

### LIGHTING CONTROLS

\$3a ANTIMICROBIAL DECORA SERIES SPDT (3 WAY) 120-277 VAC

SPECIFICATION GRADE SWITCH ANTIMICROBIAL DECORA SERIES SPST 120-277 VAC

SPECIFICATION GRADE SWITCH ANTIMICROBIAL DECORA SERIES SPST 120-277 VAC SPECIFICATION GRADE SWITCH ILLUMINATED WHEN ON

LEVITON SERIES 5628.

THERMAL SWITCH LOW VOLTAGE SPECIFICATION GRADE NETWORKED DIGITAL SWITCH. WATT STOPPER. NUMBER OF BUTTONS TO PROVIDE \$a,b,f switch legs as designated by subletters and/or

NUMBER IN PARENTHESES. SUB LETTER DESIGNATED WITH A Sa,c-fighthen represents one button programmed to CONTROL SEVERAL SWITCH LEGS/GROUPS.

BATHROOM FAN/LIGHT SWITCH WITH DELAY TIMERS AND VENTILATION TIMER. AIRCYCLER SMART EXHAUST SE1 (TOGGLE) SED-S (DECORA).

LOW VOLTAGE LIGHTING CONTROL SWITCH DIGITAL OCCUPANCY SENSOR/WALL SWITCH. PROGRAMMIBLE AS OCCUPANCY OR VACANCY AS DIRECTED IN THE FIELD. WATT STOPPER

LOW VOLTAGE LIGHTING CONTROL SWITCH DIGITAL VACANCY SENSOR/WALL SWITCH WITH ON/OFF AND DIMMER. WATT STOPPER LMPW-101\*.

SPECIFICATION GRADE 3-WAY SWITCH WITH ILLUMINATED HANDLE. SWITCH ILLUMINATES WHEN LOAD IS ON.

CONVENTIONAL HARD WIRED LIGHTING CONTROL SWITCH/VACANCY SENSOR/WALL SWITCH. DIGITAL NETWORKED ULTRASONIC/PASSIVE INFRARED

OCCUPANCY SENSOR. WATT STOPPER LMDC-100. "US"

INDICATES ULTRASONIC ONLY DIGITAL NETWORKED ULTRASONIC/PASSIVE INFRARED VACANCY SENSOR. WATT STOPPER LMDC-VS-100. "US" INDICATES

ULTRASONIC ONLY DIGITAL LOAD CONTROL RELAY WITH 3 RELAYS. WATT STOPPER LMRC-213.

DIGITAL NETWORK INPUT/OUTPUT DEVICE. WATT STOPPER

4 ZONE PROGRAMMABLE TIME SWITCH. PROVIDE WITH NETWORK I/O DEVICE MODULE. INTERFACE TO CONTROL (1)EXTERIOR LIGHTS (2)OUTDOOR SIGN LIGHTS (3)END OF WORK DAY LIGHTS OFF

DAYLIGHT HARVESTING NETWORK SENSOR.

CONVENTIONAL HARD WIRED ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER.

CAT 6A ETHERNET (LAN) PATCH CORD WITH RJ45 TERMINATED ENDS. RED OUTER JACKET. PROVIDE FOR INTERCONNECTIONS BETWEEN LIGHTING CONTROL DEVICES. RUN CONCEALED. WHERE EXPOSED (NO CEILING, MECHANICAL ROOMS, OUTDOORS) PROVIDE IN RACEWAY. PROGRAM SYSTEM TO CONTROL(S) AS DESIGNATED BY SUB-LETTERS ON THE DOCUMENTS.

### **EQUIPMENT**

ELECTRICAL PANELBOARD SURFACE MOUNTED

ELECTRICAL PANELBOARD FLUSH MOUNTED

DISCONNECT SWITCH. 3 POLE, 60 AMPS, WP U.O.N.

FUSED DISCONNECT SWITCH.

CHARGING STATION FOR ELECTRIC VEHICLES. DUAL STATION TO ACCOMMODATE 2 VEHICLES. LEVITON EVR-GREEN 4000 #CHHU2-CBMBX-CPCAP-B-CPCBX-CPCMX-CPWY3-CPVAL

ADJUSTABLE FREQUENCY DRIVE. SEE MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION.

MOTOR CONTROLLER/STARTER. SEE MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION.

MOTOR/HVAC/HWH/FURNACE/FAN. CIRCUIT VIA STARTERS/CONTROLLERS/DRIVES ETC.. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

ELECTRIC CABINET HEATER

OF THAT SYMBOL.

### IT/DATA/TV

JACK/OUTLET FOR IT/DATA/TELEPHONE. PROVIDE RECESSED CONCEALED DEEP 1900 BOX, PLASTER RING, 1" RACEWAY UP INTO ACCESSIBLE CEILING. PROVIDE (2)DIGITAL TELEPHONE AND (3) RJ45 COMPUTER JACKS EACH WITH COLOR CODED CAT 6A CABLE TERMINATED AND PATCHED IN THE NEAREST IT CLOSET.

JACK/OUTLET FOR IT/DATA/TELEPHONE IN MODULAR FURNITURE. PROVIDE AS INDICATED FOR OPEN TRIANGLE SYMBOL EXCEPT EXTENDED INTO THE MODULAR FURNITURE. JACK/OUTLET FOR IT/DATA/TELEPHONE. PROVIDE AS INDICATED

FOR OPEN TRIANGLE SYMBOL EXCEPT AT NON-STANDARD

ANY OF THESE SYMBOLS CONSTITUTES NEW WORK PROVIDED UNDER THIS

(LIGHT CONTINUOUS) LINETYPE ARE EXISTING DEVICES. SYMBOLS SHOWN IN

"--" (DASHED) LINETYPE ARE TO BE REMOVED. SYMBOLS SHOWN IN

INDICATED WITH (RE) ARE RELOCATED EXISTING IN THE NEW LOCATION.

SYMBOLS INDICATED WITH (ER) ARE EXISTING TO BE RELOCATED. SYMBOLS

SYMBOLS WITH AN NUMBER IN PARENTHESIS DENOTES MULTIPLE QUANTITIES

IN CERTAIN CASES SYMBOLS FOR NEW WORK MAY BE INDICATED IN LIGHTER

LINETYPES TO EMPHASIZE OTHER WORK ASSOCIATED WITH THAT WORK. IF

ALL CIRCUITING IS TO BE CONCEALED, ALL DEVICES ARE TO BE FLUSH

" OR " (SOLID HEAVIER) LINETYPES ARE NEW.

CONTRACT, UNLESS OTHERWISE NOTED. SYMBOLS SHOWN IN "

WORK IS INDICATED ANYWHERE AS NEW IT IS TO BE PROVIDED

MOUNTING HEIGHT WALL COAX JACK FOR TELEVISION OR AV EQUIPMENT. WITH 1" EMPTY RACEWAY UP INTO ACCESSIBLE CEILING CAVITY.

#### LIST OF ELECTRICAL DRAWINGS

SYMBOLS LIST AND LIST OF ELECTRICAL DRAWINGS. LIGHTING FIXTURE SCHEDULE, ABBREVIATIONS AND COMCHECK

LIGHTING CERTIFICATE.

FIRST FLOOR PLAN. FIRST FLOOR PLAN LIGHTING AND FIRE ALARM E-202 SECOND FLOOR PLAN

SECOND FLOOR PLAN LIGHTING AND FIRE ALARM ATTIC FLOOR PLAN

E-206 ONE-LINE DIAGRAM AND PANEL SCHEDULE

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COOPERATIVE EXTENSION / **PUTNAM COUNTY** PROPOSED BUILDING AT TILLY FOSTER FARM MECHANICAL / PLUMBING / ELECTRIC CORNELL 100 NY 312

BREWSTER, NEW YORK, 10509

SYMBOLS LIST AND LIST OF **ELECTRICAL DRAWINGS** 

PROJECT NO.:

DRAWING NO.:

2752-00 | SCALE: AS INDICATED

1 1			MANUFACTURER AND MODEL	
TYPE	LAMPS	DESCRIPTION	MANOTACTONEN AND MODEL	REMARKS
$\mid A \mid$	LED	8' LONG PENDANT MOUNTED LINEAR LED LIGHTING FIXTURE WITH 20% UPLIGHT. PENDANT VARIES TO PROVIDE 8' TO BOTTOM OF FIXTURE.	CORONET LS6 UP/DN 835LOWHIGHUNVDB.1WACFL	
AE	LED	SAME AS TYPE A WITH INTEGRAL BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.	CORONET LS6 UP/DN 835LOWHIGHUNVDB.1WACFLEM	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
В	LED	4' LONG PENDANT MOUNTED LINEAR LED LIGHTING FIXTURE WITH 20% UPLIGHT	CORONET LS6 UP/DN 435LOWHIGHUNVDB.1WACFL	
BE	LED	SAME AS TYPE B WITH INTEGRAL BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.	CORONET LS6 UP/DN 435LOWHIGHUNVDB.1WACFLEM	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
С	LED	4' LONG WALL MOUNTED STAIRWELL LIGHT WITH BUILT IN OCCUPANCY SENSOR. LIGHT MAINTAINS 50% ILLUMINATION. WHEN OCCUPANCY IS DETECTED LIGHTING LEVEL GOES TO 100%	COLUMBIA ESL4FAWEDUNXOS	
CE	LED	SAME AS TYPE C WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.	COLUMBIA ESL4FAWEDUNXOSEM	WHERE INDICTED WITH "E" IN TYPE AND/OR WHERE SYMBOL IS HALF SHADED PROVIDE WITH DC BATTERY EMERGENCY PACK IN SEPARATE NEMA-1 ENCLOSURE (CONCEALED IN CLOSEST INTERIOR ACCESSIBLE CEILING CAVITY. CIRCUIT TO ILLUMINATE LIGHT ON LOSS OF POWER.
D	LED	2'X2' RECESSED LED LIGHT FIXTURE WITH FLAT LENS.	FIDELUX FFPBL2220W35KUNV-D	
DE	LED	SAME AS TYPE D WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.	FIDELUX FFPBL2220W35KUNV-D EM15	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
F	LED	6" WIDE CONTINUOUS (CUSTOM) LENGTH RECESSED LIGHTING TROUGH WITH LOUVERED LENS	QTL PERIPMSTNSTPL-EM	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
FE	LED	SAME AS TYPE F WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.	QTL PERIPMSTNSTPL—EM	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
G	LED	OUTDOOR WALL MOUNTED SCONCE WITH REMOTE BATTERY BACKUP	FEDELUX FSWPSNC20W-EM	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
Н	LED	WALL MOUNTED OVER THE MIRROR LIGHTING FIXTURE	ASTRO ARTEMIS 600 LED-EM	WHERE APPLICABLE PROVIDE REMOTE EMERGENCY BATTERY UNIT WHERE INDICATED PROVIDE REMOTE TEST INDICATOOR/SWITCH STATION WIRE IN LIEU OF THE FIXTURE MOUNTED TEST/INDICATOR.
X	LED	CEILING COVE WITH CONTINUOUS LED TAPE LIGHT IN ALUMINUM CHANEL	Q-TRAN MICRO 5 IN QV-MICRO-LENGTH	
J	LED	CIRCULAR DIE CAST ALUMINUM PENDANT LED WAREHOUSE SHOP LIGHT 150WATT EQUIVALENT.	HYPERLITE HB-HB 150W-57 LS-HERO-150W50EBHBL12N	
	LED	AUTOMATIC EMERGENCY LIGHTING UNIT WITH 2 LED HEADS		
<u> </u>	LED	CEILING MOUNTED EDGELIT EXIT SIGN WITH GREEN LETTERS AND INTEGRATED BATTERY BACK-UP	PHILIPS 44RLU2R-NYC-G-EM. SHADED ARE DENOTES ILLUMINATED FACE. ARROWS AS INDICATED	WITH EMERGENCY BATTERY PACK TO ILLUMINATE FIXTURE FOR 2 HOUR ON LOSS OF UTILITY POWER. PROVIDE CONSTANT HOT SENSING LEG IN ADDITION TO SWITCH LEG(S). ARROW(S) INDICATES DIRECTIONALITY
<b>№</b>	LED	WALL MOUNTED EDGELIT EXIT SIGN WITH GREEN LETTERS AND INTEGRATED BATTERY BACK-UP	PHILIPS 44RLU1R-NYC-G-EM. SHADED ARE DENOTES ILLUMINATED FACE. ARROWS AS INDICATED	WITH EMERGENCY BATTERY PACK TO ILLUMINATE FIXTURE FOR 2 HOUR ON LOSS OF UTILITY POWER. PROVIDE CONSTANT HOT SENSING LEG IN ADDITION TO SWITCH LEG(S). ARROW(S) INDICATES DIRECTIONALITY
<b>Š</b>	LED	WALL MOUNTED EXIT SIGN WITH DUAL EMERGENCY LIGHTS, GREEN LETTERS AND INTEGRATED BATTERY BACK-UP		WITH EMERGENCY BATTERY PACK TO ILLUMINATE FIXTURE FOR 2 HOUR ON LOSS OF UTILITY POWER. PROVIDE CONSTANT HOT SENSING LEG IN ADDITION TO SWITCH LEG(S). ARROW(S) INDICATES DIRECTIONALITY
	AE B BE C CE D DE F FE G H X J	AE  BE  C  CE  D  LED  DE  F  LED  CG  LED  AE  AE  LED  LED  LED  LED  AE  AE  LED  AE  AE  LED  AE  AE  AE  AE  AE  AE  AE  AE  AE	BOTTOM OF FIXTURE.  AE  B  LED  A*LONG PROMOTE ALLMINATION.  B  LED  A*LONG PROMOTE MUNICIPAL BATTERY PACK FOR 2 HOURS WITH 200 WHICH MINITED LINEAR LED LIGHTING FIXTURE WITH 200 WHICH MUNICIPAL BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  C  LED  A*LONG PROMOTE STARRELL LIGHT MITH BUILT IN OCCUPANCY SENSOR. LIGHT MAINTAINS 500 ILLUMINATION.  CE  LED  SAME AS TYPE C WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  CE  LED  SAME AS TYPE C WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  DE  LED  SAME AS TYPE D WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  F  LED  SAME AS TYPE D WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  F  LED  SAME AS TYPE TO WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  F  LED  SAME AS TYPE TO WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  F  LED  SAME AS TYPE TO WITH BATTERY PACK FOR 2 HOURS EMERGENCY ILLUMINATION.  CE  LED  CUITOOR WALL MOUNTED SCONCE WITH REMOTE BATTERY BACKOUP  WALL MOUNTED OVER THE MISROR LIGHTING DIXTURE  LED  CROULAR DIC CAST ALLIMINUM PEROANT LED WAREHOUSE SHOP LIGHT IN ALLIMINUM CHANNEL  LED  CROULAR DIC CAST ALLIMINUM PEROANT LED WAREHOUSE SHOP LIGHT IN ALLIMINUM CHANNEL  LED  CROULAR DIC CAST ALLIMINUM PEROANT LED WAREHOUSE SHOP LIGHT IN ALLIMINUM CHANNEL  LED  CROULAR DIC CAST ALLIMINUM PEROANT LED WAREHOUSE SHOP LIGHT IN GROWN LETTERS AND INTERNATED BATTERY BACK-UP.  LED  CRITICAL WOUNTED EXCELLT EXIT SIGN WITH GREEN LETTERS AND INTERNATED BATTERY BACK-UP.  WALL WOUNTED EXIT EXIT SIGN WITH CAREN LETTERS AND INTERNATED BATTERY BACK-UP.  WALL WOUNTED EXIT EXIT SIGN WITH CAREN LETTERS AND INTERNATED BATTERY BACK-UP.  WALL WOUNTED EXIT EXIT SIGN WITH CAREN LETTERS AND INTERNATED BATTERY BACK-UP.  WALL WOUNTED EXIT EXIT SIGN WITH CAREN LETTERS AND INTERNATED BATTERY BACK-UP.  WALL WOUNTED EXIT EXIT SIGN WITH CAREN LETTERS AND INTERNATED BATTERY BACK-UP.	AE SOURCE OF PATER.  SOURCE SO

### **ABBREVIATIONS**

ABBREVIATION	 DESCRIPTION	<u>ABBREVIATION</u>	DESCRIPTION
A A A A A A A A A A A A A A A A A A A	AMPERE	JCT	JUNCTION
ACCU	AIR COOLED CONDENSING UNIT	KCMIL	THOUSAND CIRCULAR MILS
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT-AMPERE
AIC	AMPERE INTERRUPTING CAPACITY	KW	KILOWATT
ANN AWG	ANNUNCIATOR AMERICAN WIRE GAUGE	LP	LIGHTING PANEL
BKR	BREAKER	LTG LT(S)	LIGHTING LIGHT(S)
CB	CIRCUIT BREAKER	MCB	MAIN CIRCUIT BREAKER
CCT	CORRELATED COLOR TEMPERATURE	MCM	THOUSAND CIRCULAR MILS
CKT COL	CIRCUIT COLUMN	MIN	MINIMUM
DET	DETECTOR	MLO	MAIN LUGS ONLY
DWG	DRAWING	MTD	MOUNTED
EF_	EXHAUST FAN	MTR	MOTOR
ELEC EMER	ELECTRIC(AL) EMERGENCY	NEC NL	NATIONAL ELECTRIC CODE NIGHT LIGHT
EML	ELECTRIC MORTISE LOCK	NO NO	NORMALLY OPEN
EMT	ELECTRICAL METALLIC TUBING	OC	OVER COUNTER
ĘSŖ	ELECTRIC STRIKE RELEASE	OCPD	OVERCURRENT PROTECTIVE DEVICE
(E), EX EXIST	EXISTING	Р	POLE(S)
EXT	EXISTING EXTERIOR	PNL	PANEL
FA	FIRE ALARM	POE	POINT OF ENTRY
FACP	FIRE ALARM CONTROL PANEL	PWR ø	POWER PHASE
FL	FLOOR, FLUORESCENT	(R)	REMOVE
FBO	FURNISHED BY ANOTHER DIVISION,	ŘP	RECEPTACLE PANEL
FIDO	WIRED BY THIS DIVISION	RECP, RECEP	RECEPTACLE
FIBO	FURNISHED AND INSTALLED BY ANOTHER DIVISION, WIRED	RM	ROOM
	BY THIS DIVISION	SCH	SCHEDULE
FLA	FULL LOAD AMPERES	SPD SPR	SURGE PROTECTION DEVICE SPARE
FLR, FL FLUOR	FLOOR	STA	STATION
FLUOR FUT	FLUORESCENT FUTURE	SUSP	SUSPEND(ED)
FURN	FURNISH, FURNITURE	SW	SWITCH
G, GND	GROUND	SWBD T, TEL, TELE	SWITCHBOARD TELEPHONE
GFF	GAS FIRED FURNACE	TEMP	TEMPORARY
GFI	GROUND FAULT CIRCUIT INTERRUPTER	TV	TELEVISION
GFP	GROUND FAULT PROTECTION	TYP	TYPICAL
HP HTR	HORSEPOWER, HEAT PUMP HEATER	UON	UNLESS OTHERWISE NOTED
HWH	HOT WATER HEATER	UG	UNDER GROUND
IBC	INTERNATIONAL BUILDING CODE	V	VOLT, VOLTS
JB	JUNCTION BOX	VIF W	VERIFY IN FIELD WIRE
J-BOX	JUNCTION BOX	W WH	WATER HEATER
		WP	WEATHERPROOF
		WG	WIRE GUARD
		XFRM	TRANSFORMER



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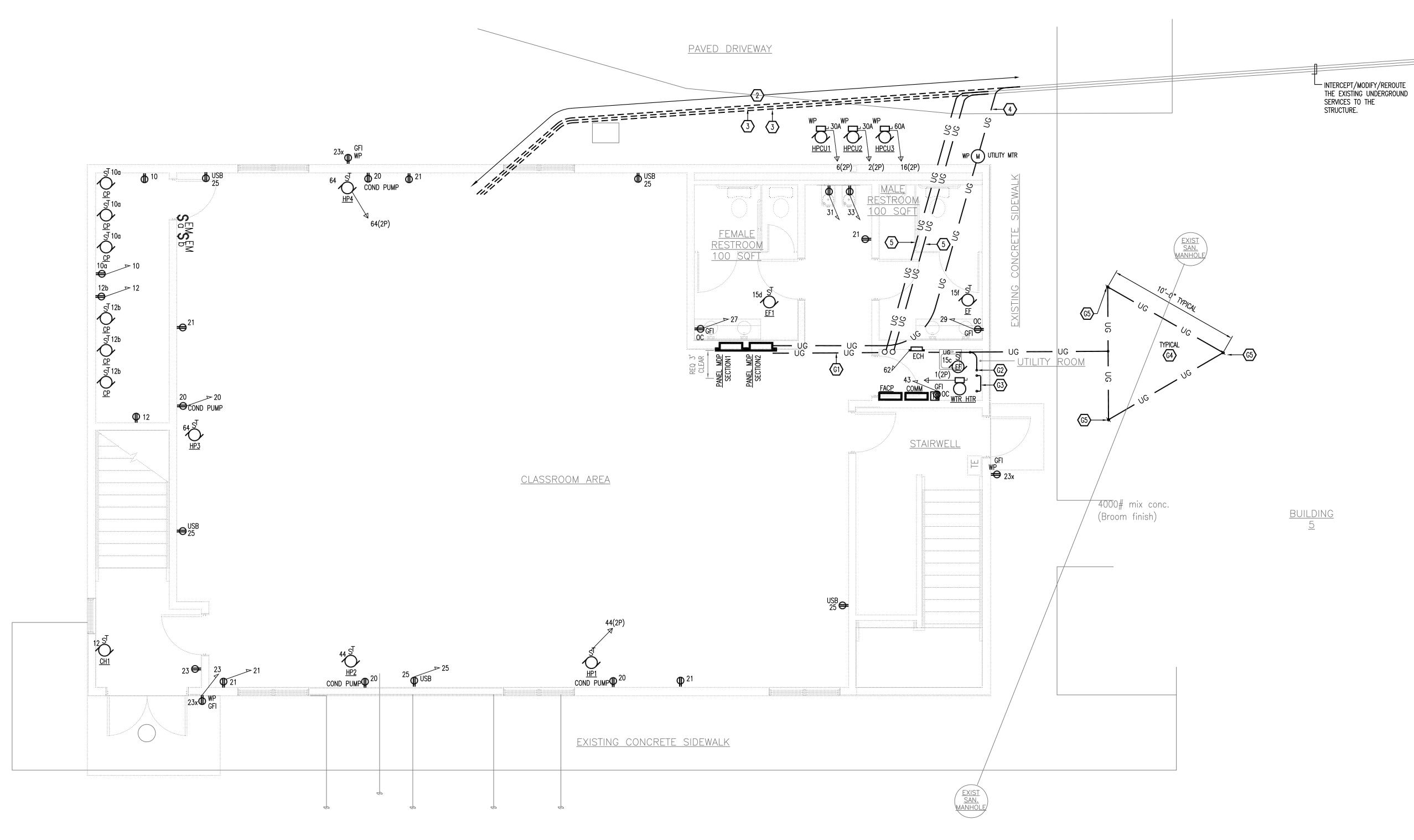
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COOPERATIVE EXTENSION / PUTNAM COUNTY PROPOSED BUILDING AT TILLY FOSTER FARM MECHANICAL / PLUMBING / ELECTRIC CORNELL 100 NY 312 BREWSTER, NEW YORK, 10509

LIGHTING FIXTURE SCHEDULE, ABBREVIATIONS AND COMCHECK LIGHTING CERTIFICATE

2752-00 SCALE: AS INDICATED





### KEYED NOTES

- EXISTING UTILITY UNDERGROUND SERVICE FEEDER. PARTIALLY MODIFY TO BE REDIRECTED AS INDICATED.
- REMOVE A SECTION OF THE EXISTING UNDERGROUND ELECTRIC SERVICE RACEWAY. PROTECT THE EXISTING 200 AMPERE 120/208VAC 10 SERVICE FEEDER CONDUCTORS FOR REINSTALLATION/EXTENSION.
- REMOVE A SECTION OF THE EXISTING UNDERGROUND CABLE SERVICE RACEWAY. PRESERVE THE EXISTING COAXIAL CABLE FOR REUSE IN THE EXTENDED SERVICE ASSEMBLY.
- EXTEND UNDERGROUND ELECTRIC SERVICE TO UTILITY METER. INSTALL THE EXISTING 200 AMPERE 120/208VAC 10 SERVICE CONDUCTORS INTO EXTENDED 2" UNDERGROUND RACEWAY. CONNECT TO UTLITY SOURCE AND DISTRIBUTION OF THE STRUCTURE. COORDINATE SERVICE ACTIVATION WITH THE ELECTRICAL UTILITY COMPANY.
- EXTEND THE EXISTING UNDERGROUND LOW VOLTAGE SERVICE RACEWAY TO UTILITY ROOM... REINSTALL THE COAX CABLING. COORDINATE SERVICE ACTIVATION WITH THE CABLE COMPANY.

- 6 BOND NEUTRAL TO GROUND PER NEC.
- 7 COORDINATE UTILITY COMPANY TO CONNECT THE SERVICE FEEDER.
- PROVIDE §" DIAMETER X 10' COPPER CLAD GROUND ROD. CADWELD CONDUCTOR TO ROD. DRIVE ROD INTO EARTH TILL THE TOP OF THE ROD IS 2" BELOW FINISHED GRADE.
- PROVIDE TRI-POSITIONED 5" DIAMETER X 10' COPPER CLAD GROUND RODS SEE PLAN FOR ADDITIONAL INFORMATION CAL GROUND RODS. SEE PLAN FOR ADDITIONAL INFORMATION. CADWELD CONDUCTOR TO RODS. DRIVE ROD INTO EARTH TILL THE TOP OF THE ROD IS 2" BELOW FINISHED GRADE.
- BOND TO WATER SERVICE ENTRANCE. PROVIDE #2 AWG CU BONDING JUMPER ACROSS WATER SERVICE APPURTENANCES.
- SERVICE ENTRANCE FEEDER.

- PRIOR TO THE COMENCMENT OF WORK, INSPECT THE EXISTING RETIRED UNDERGROUND SERVICE FEEDER FOR DAMAGE. PROVIDE MEGGER TEST ON THE CONDUCTORS. PRIOR TO PROCEEDING WITH THE USE OF THE EXISTING FEEDER (OR PORTION THEREOF) INFORM THE ENGINEER OF THE TEST RESULTS.
- PROVIDE A COMPLETE WIRED ADDRESSABLE FIRE ALARM SYSTEM, PROVIDE A COMPLETE WIKED ADDRESSABLE TIME ASSESSMENT OF THE PROVIDE BUT NOT LIMITED TO FIRE ALARM CONTROL PANEL, CELLULAR COMMUNICATOR, DETECTION DEVICE, BATTERY POWER SUPPLY, INDICATING APPLIANCES ETC..

# KEYED NOTES(BONDING)

- G1) BOND NEUTRAL TO GROUND PER NEC.
- G2 BOND TO WATER SERVICE.
- BOND ACROSS WATER METERS (WHERE PRESENT) AND OTHER APPLIETENANCES IN THE WATER MAIN DIDING WATER APPLIED APPURTENANCES IN THE WATER MAIN PIPING USING #4AWG BARE COPPER CONDUCTOR. TERMINATE AT EACH END USING BURNDY U-BOLT-GP STYLE BONDING CLAMP.
- (G4) COORDINATE WITH EXISTING UNDERGROUND PIPING.
- (G5) 5/8" X 10' COPPER CLAD GROUND ROD DRIVEN INTO EARTH.



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4	06-27-2025	ISSUED FOR PRICING
3	03-04-2025	ISSUED AS AN ADDENDUM. REVISED SERVICE ENTRANCE
2	01-09-2025	ISSUED FOR PERMIT
1	12-20-2024	PROGRESS SET
ISSUE NO.	ISSUE DATE	DESCRIPTION



COOPERATIVE EXTENSION / **PUTNAM COUNTY** PROPOSED BUILDING AT TILLY FOSTER FARM MECHANICAL / PLUMBING / ELECTRIC CORNELL

100 NY 312 BREWSTER, NEW YORK, 10509

FIRST FLOOR PLAN

PROJECT NO.:

DRAWING NO.:

2752-00 | SCALE: AS INDICATED

FIRST FLOOR PLAN (LIGHTING AND FIRE ALARM)

SCALE: 1/4"=1'-0"
CIRCUIT EXIT SIGNS TO CIRCUIT#41



## KEYED NOTES

- EXISTING UTILITY UNDERGROUND SERVICE FEEDER. PARTIALLY MODIFY TO BE REDIRECTED AS INDICATED.
- REMOVE A SECTION OF THE EXISTING UNDERGROUND ELECTRIC SERVICE RACEWAY. PROTECT THE EXISTING 200 AMPERE 120/208VAC 1¢ SERVICE FEEDER CONDUCTORS FOR REINSTALLATION/EXTENSION.
- REMOVE A SECTION OF THE EXISTING UNDERGROUND CABLE SERVICE RACEWAY. PRESERVE THE EXISTING COAXIAL CABLE FOR REUSE IN THE EXTENDED SERVICE ASSEMBLY.
- EXTEND UNDERGROUND ELECTRIC SERVICE TO UTILITY METER.
  INSTALL THE EXISTING 200 AMPERE 120/208VAC 1¢ SERVICE
  CONDUCTORS INTO EXTENDED 2" UNDERGROUND RACEWAY.
  CONNECT TO UTLITY SOURCE AND DISTRIBUTION OF THE
  STRUCTURE. COORDINATE SERVICE ACTIVATION WITH THE
  ELECTRICAL UTILITY COMPANY.
- EXTEND THE EXISTING UNDERGROUND LOW VOLTAGE SERVICE RACEWAY TO UTILITY ROOM... REINSTALL THE COAX CABLING. COORDINATE SERVICE ACTIVATION WITH THE CABLE COMPANY.

- 6 BOND NEUTRAL TO GROUND PER NEC.
- (7) COORDINATE UTILITY COMPANY TO CONNECT THE SERVICE FEEDER.
- PROVIDE §" DIAMETER X 10' COPPER CLAD GROUND ROD. CADWELD CONDUCTOR TO ROD. DRIVE ROD INTO EARTH TILL THE TOP OF THE ROD IS 2" BELOW FINISHED GRADE.
- PROVIDE TRI-POSITIONED § DIAMETER X 10' COPPER CLAD GROUND RODS. SEE PLAN FOR ADDITIONAL INFORMATION. CADWELD CONDUCTOR TO RODS. DRIVE ROD INTO EARTH TILL THE TOP OF THE ROD IS 2" BELOW FINISHED GRADE.
- BOND TO WATER SERVICE ENTRANCE. PROVIDE #2 AWG CU BONDING JUMPER ACROSS WATER SERVICE APPURTENANCES.
- (11) SERVICE ENTRANCE FEEDER.

- PRIOR TO THE COMENCMENT OF WORK, INSPECT THE EXISTING RETIRED UNDERGROUND SERVICE FEEDER FOR DAMAGE. PROVIDE MEGGER TEST ON THE CONDUCTORS. PRIOR TO PROCEEDING WITH THE USE OF THE EXISTING FEEDER (OR PORTION THEREOF) INFORM THE ENGINEER OF THE TEST RESULTS.
- PROVIDE A COMPLETE WIRED ADDRESSABLE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FIRE ALARM CONTROL PANEL, CELLULAR COMMUNICATOR, DETECTION DEVICE, BATTERY POWER SUPPLY, INDICATING APPLIANCES ETC..

# KEYED NOTES(BONDING)

- G1) BOND NEUTRAL TO GROUND PER NEC.
- G2 BOND TO WATER SERVICE.
- BOND ACROSS WATER METERS (WHERE PRESENT) AND OTHER APPURTENANCES IN THE WATER MAIN PIPING USING #4AWG BARE COPPER CONDUCTOR. TERMINATE AT EACH END USING BURNDY U-BOLT-GP STYLE BONDING CLAMP.
- COORDINATE WITH EXISTING UNDERGROUND PIPING.
- (G5) 5/8" X 10' COPPER CLAD GROUND ROD DRIVEN INTO EARTH.



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COOPERATIVE EXTENSION /
PUTNAM COUNTY
PROPOSED BUILDING AT TILLY
FOSTER FARM MECHANICAL /
PLUMBING / ELECTRIC CORNELL
100 NY 312

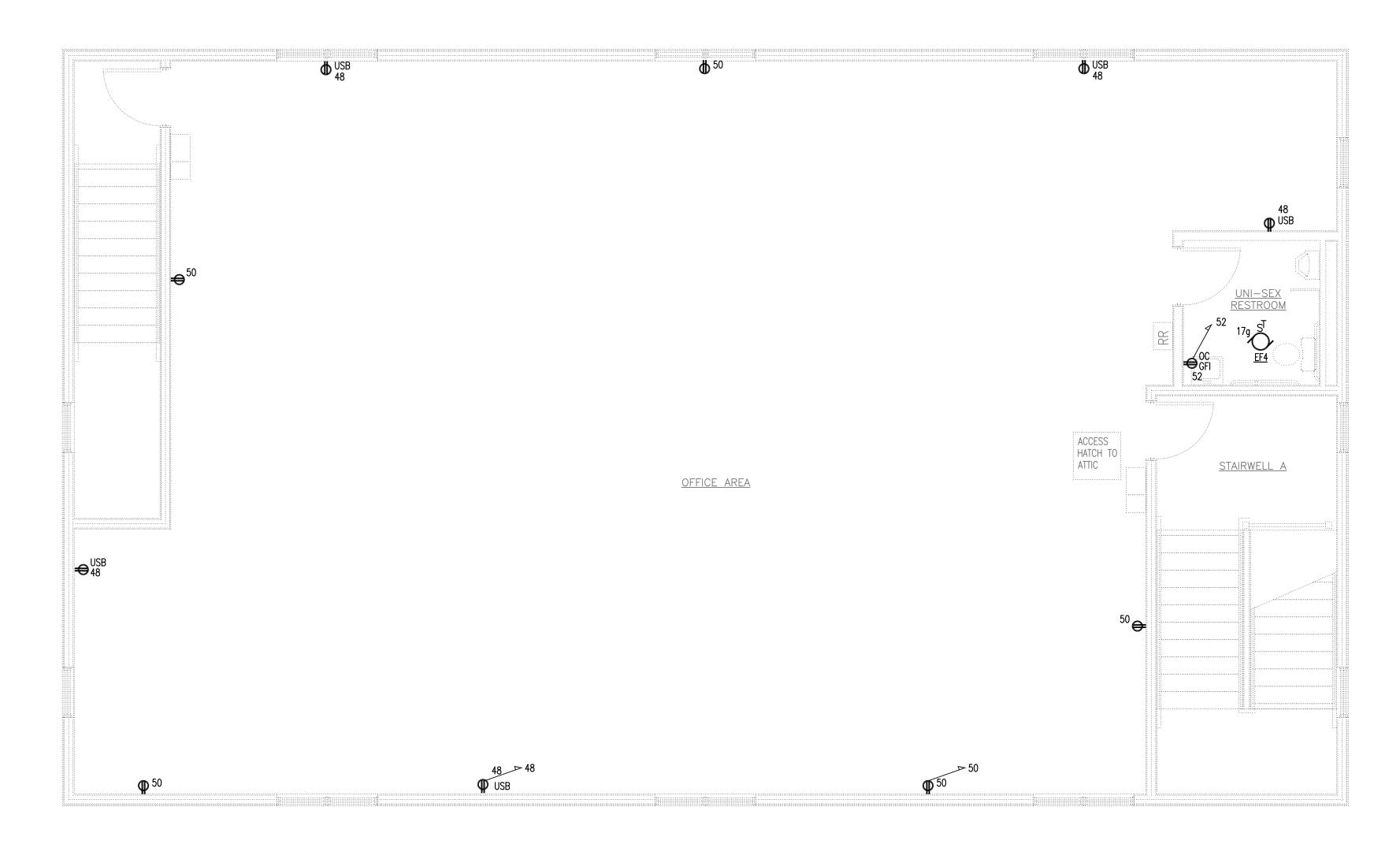
BREWSTER, NEW YORK, 10509

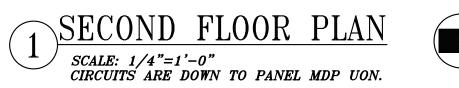
### FIRST FLOOR PLAN LIGHTING AND FIRE ALARM

PROJECT NO.: 2752

2752-00 SCALE: AS INDICATED

DRAWING NO.:









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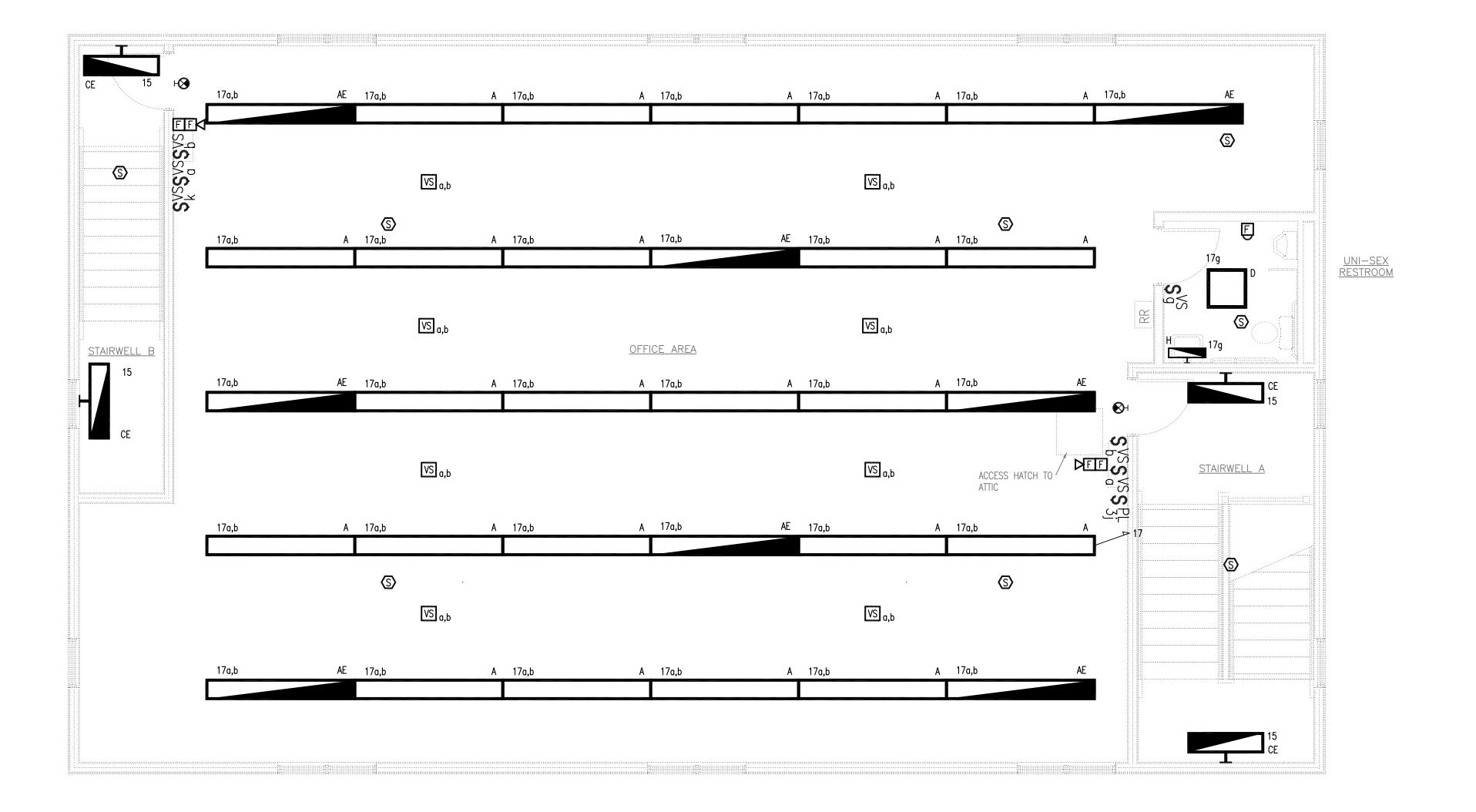
COOPERATIVE EXTENSION / **PUTNAM COUNTY** PROPOSED BUILDING AT TILLY FOSTER FARM MECHANICAL / PLUMBING / ELECTRIC CORNELL 100 NY 312 BREWSTER, NEW YORK, 10509

SECOND FLOOR PLAN

PROJECT NO.:

2752-00 SCALE: AS INDICATED

DRAWING NO.:



SECOND FLOOR PLAN(LIGHTING AND FIRE ALARM)

SCALE: 1/4"=1'-0"
CIRCUIT EXIT SIGNS TO CIRCUIT#41





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COOPERATIVE EXTENSION / **PUTNAM COUNTY** PROPOSED BUILDING AT TILLY FOSTER FARM MECHANICAL / PLUMBING / ELECTRIC CORNELL 100 NY 312 BREWSTER, NEW YORK, 10509

SECOND FLOOR PLAN LIGHTING AND FIRE ALARM

PROJECT NO.:

2752-00 SCALE: AS INDICATED

DRAWING NO.:









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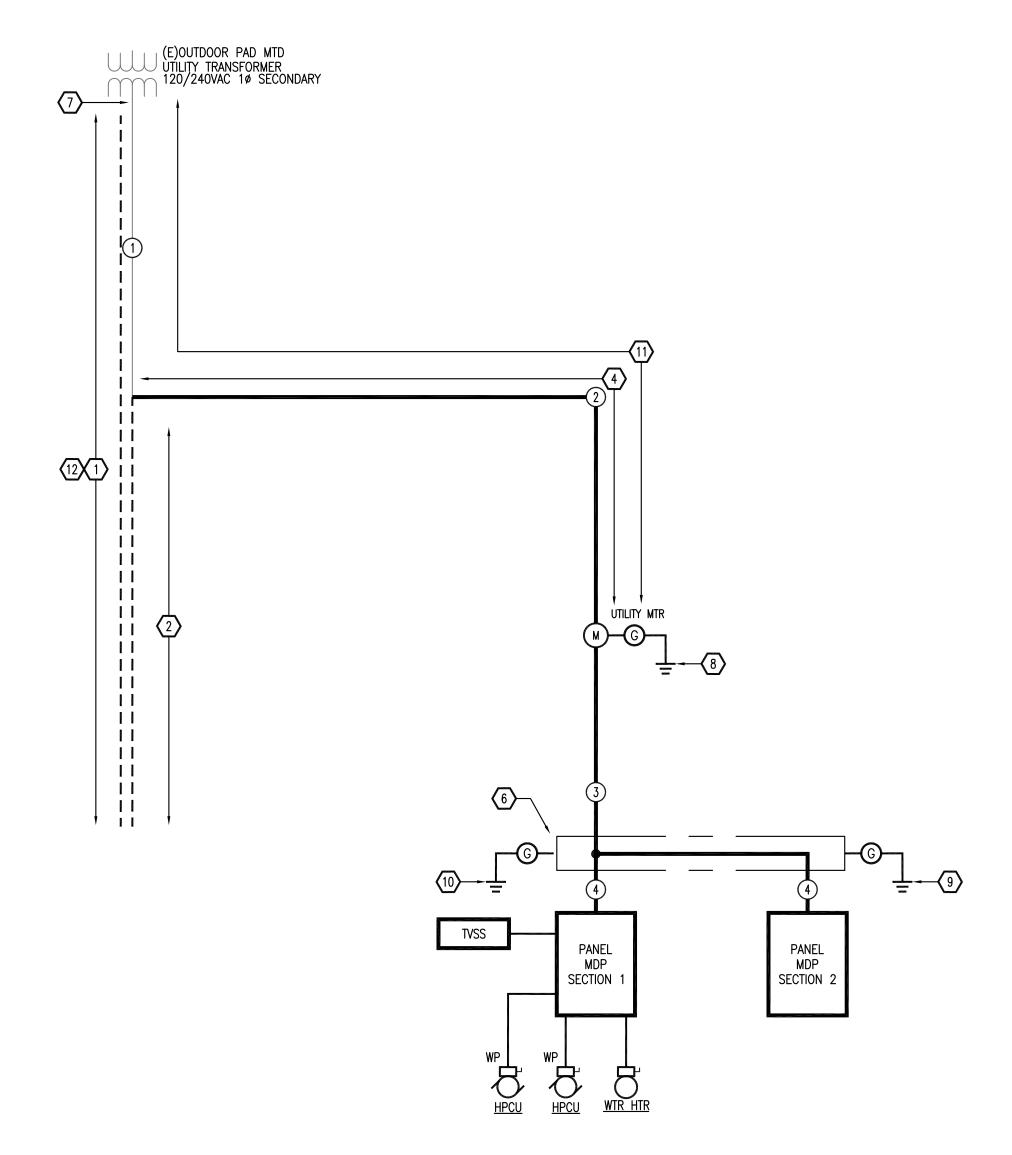


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ATTIC FLOOR PLAN

PROJECT NO.:

2752-00 SCALE: AS INDICATED



PROVIDE ENGRAVED PHENOLIC LABEL READING "MAIN PANEL MDP SECTION 1. 120/240VAC 1 PHASE. CONTAINS SERVICE DISCONNECT 1 OF 2"

SERVICE ENTRANCE	È. BOLT-OŃ E	BREAKERS. DÓOR- <u>S/N</u>	-IN-DOOR CO	PER BUS. LISTED FOR DNSTRUCTION. 42KAIC
SERVES	LOAD WATTS  L1 L2 No	₩ ₩	CIR LOAD WATTS	SERVES
WATER HEATER	1250 1	20A 30A	- 2 2000	HPCU-2
2#10#10G-3/4"C	1250 3	20A 30A	- 4 2000	2#8,1#10G-1"C
SPARE	XXXX 5	20A 30A	- 6 2000	HPCU-1
SPARE	XXXXX 7	20A 20A	- 8 2000	2#10,1#10G-1"C
SPARE	XXXX 9		- 10 500	BOILER 1
SPARE	XXXXX 11	$\begin{array}{c cccc} \hline 20A & 20A \\ \hline 20A & 20A \end{array}$	- 12 500	BOILER 2
LIGHTING	800 // 13	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	_ 14 XXXX	OUTDOOR LTG (VIA TS)
LTG, STAIR LTG	500 15	1 20A 1 1	_ 16 3000	HPCU-3
2ND FL LIGHTING	1000 17	20A 20A	- 18 <sub>3000</sub>	2#8,1#10G-2"C
ATTIC	840 19	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	_ 20 200	CONDENSATE PUMP RECEPTS
RECEPTACLES	1000 21	20A 20A 20A 20A	- 22 xxxx ////	SPARE
OUTDOOR RECEPTS	хххх 23	$\frac{20}{20}$ $\frac{20}{4}$	_ 24 XXXX	SPARE
RECEPTACLES	1000 25	20A 20A	_ 26 χχχχ <i>////</i>	SPARE
TOILET RECEPT	800 27	20A 20A	_ 28 /// xxxx	SPARE
TOILET RECEPT	800 29	20A 20A	- 30 xxxx	SPARE
EWC	900 31	20A 20A	- 32 XXXX	SPARE
EWC	900 33	60A 20A	- 34 xxxx	SPARE
TVSS	хххх 35	$\frac{1}{20A}$	_ 36 XXXX	SPARE
3#6,1#16G	хххх 37	20A 20A	_ 38 χχχχ	SPARE
SPARE	хххх 39	20A 20A	- 40 400	FACP
EXIT SIGNS (1)	200 // 41		- 42 400	FACP

DO NOT SHARE NEUTRAL CONDUCTORS. PROVIDE EACH CIRCUIT THAT REQUIRES A NEUTRAL WITH A NEUTRAL DEDICATED TO THAT CIRCUIT. (1) CIRCUIT ALL EXIT SIGNS TO CIRCUIT #41 USING 2#10,1#10G-3/4"C. PROVIDE HANDLE LOCK ON BREAKER. PROVIDE ENGRAVED PHENOLIC LABEL READING "MAIN PANEL MDP SECTION 2. 120/240VAC 1 PHASE. CONTAINS SERVICE DISCONNECT 2 OF 2"

SERVICE ENTRANC	E. BOLT-ON E	BREAKERS. S/		IN-DOOR CO	PER BUS. LISTED FOR DNSTRUCTION. 42KAIC
SERVES	LOAD WATTS CIR		H T	CIR LOAD WATTS	SERVES
UTILITY RM RECEPT	400 43	20A 20A	20A	44 500	HP-1,2
SPARE	XXXX 45	7 200	20A	46 500	2#12,1#12G-3/4°C
SPARE	XXXX 47	20A 20A 20A 20A 20A	20A	48 1200	2ND FL RECEPTS
SPARE	XXXX 49	1 200	20A	50 1200	2ND FL RECEPTS
SPARE	хххх // 51	$\frac{1}{200}$	1 20A	52 1200	2ND FL TOILET RECEPT
SPARE	хххх 53	20A	<del> </del>	54 500	HP-5,6
SPARE	XXXX // 55	204	+ 20A	56 500	2#12,1#12G-3/4"C
SPARE	хххх 57	20A 20A	20A	58 XXXX	SPARE
SPARE	XXXX // 59	$\frac{200}{200}$	20A	60 XXXX	SPARE
SPARE	хххх 61	$\frac{200}{200}$	20A	62 XXXX	SPARE
SPARE	хххх // 63	20A	<del>                                     </del>	64 500	HP-3,4
SPARE	хххх 65	$\frac{200}{20A}$	20A	66 500	2#12,1#12G-3/4"C
SPARE	хххх // 67	20A	20A	68 XXXX	SPARE
SPARE	хххх 69	$\frac{2000}{200}$	20A	70 XXXX	SPARE
SPARE	XXXX 71	20A 20A	20A	72 XXXX	SPARE
SPARE	XXXX 73	20A	20A	74 XXXX	SPARE
SPARE	XXXX // 75	20A	20A	76 XXXX	SPARE
SPARE	XXXX 77	$\frac{200}{200}$	20A	78 XXXX	SPARE
SPARE	XXXX // 79	20A	20A	80 XXXX	SPARE
SPARE	хххх 81	$\frac{200}{200}$	20A	82 XXXX	SPARE
SPARE	XXXX 83		<del> </del>	84 XXXX	SPARE

### ONE-LINE DIAGRAM SCALE: NO SCALE

- EXISTING 200 AMPERE 120/240V 10 FEEDER IN EXISTING 2" PVC CONDUIT.
- 2 EXISTING 200 AMPERE 120/240V 1¢ FEEDER IN 2" PVC CONDUIT.
- 3 3#4/0 CU-2°C
- (4) 3#4/0,1#4G-2 1/2°C
- © #2 CU BONDING ELECTRODE CONDUCTOR PER NEC IN FRE RACEWAY.

- PRIOR TO THE COMENCMENT OF WORK, INSPECT THE EXISTING RETIRED UNDERGROUND SERVICE FEEDER FOR DAMAGE. PROVIDE MEGGER TEST ON THE CONDUCTORS. PRIOR TO PROCEEDING WITH THE USE OF THE EXISTING FEEDER (OR PORTION THEREOF) INFORM THE ENGINEER OF THE TEST RESULTS.
- PROVIDE A COMPLETE WIRLD ADDIKESSABLE LINE ALGEMENT STORES.

  INCLUDING BUT NOT LIMITED TO FIRE ALARM CONTROL PANEL,

  PATTERY POWER PROVIDE A COMPLETE WIRED ADDRESSABLE FIRE ALARM SYSTEM, CELLULAR COMMUNICATOR, DETECTION DEVICE, BATTERY POWER SUPPLY, INDICATING APPLIANCES ETC..

# KEYED NOTES(BONDING)

- G1) BOND NEUTRAL TO GROUND PER NEC.
- G2 BOND TO WATER SERVICE.
- BOND ACROSS WATER METERS (WHERE PRESENT) AND OTHER APPLIETENANCES IN THE WATER MAIN PIPING LISING #4AWG BA APPURTENANCES IN THE WATER MAIN PIPING USING #4AWG BARE COPPER CONDUCTOR. TERMINATE AT EACH END USING BURNDY U-BOLT-GP STYLE BONDING CLAMP.
- G4 COORDINATE WITH EXISTING UNDERGROUND PIPING.
- G5 5/8" X 10' COPPER CLAD GROUND ROD DRIVEN INTO EARTH.

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COOPERATIVE EXTENSION / PUTNAM COUNTY PROPOSED BUILDING AT TILLY FOSTER FARM MECHANICAL / PLUMBING / ELECTRIC CORNELL 100 NY 312 BREWSTER, NEW YORK, 10509

ONE-LINE DIAGRAM AND PANEL SCHEDULE

2752-00 | SCALE: AS INDICATED PROJECT NO.:

DRAWING NO.:

E-206

## KEYED NOTES

- EXISTING UTILITY UNDERGROUND SERVICE FEEDER. PARTIALLY MODIFY TO BE REDIRECTED AS INDICATED.
- REMOVE A SECTION OF THE EXISTING UNDERGROUND ELECTRIC SERVICE RACEWAY. PROTECT THE EXISTING 200 AMPERE 120/208VAC 10 SERVICE FEEDER CONDUCTORS FOR REINSTALLATION/EXTENSION.
- REMOVE A SECTION OF THE EXISTING UNDERGROUND CABLE SERVICE RACEWAY. PRESERVE THE EXISTING COAXIAL CABLE FOR REUSE IN THE EXTENDED SERVICE ASSEMBLY.
- EXTEND UNDERGROUND ELECTRIC SERVICE TO UTILITY METER.

  INSTALL THE EXISTING 200 AND EDG (200 (200)) INSTALL THE EXISTING 200 AMPERE 120/208VAC 10 SERVICE CONDUCTORS INTO EXTENDED 2" UNDERGROUND RACEWAY. CONNECT TO UTLITY SOURCE AND DISTRIBUTION OF THE STRUCTURE. COORDINATE SERVICE ACTIVATION WITH THE ELECTRICAL UTILITY COMPANY.
- EXTEND THE EXISTING UNDERGROUND LOW VOLTAGE SERVICE RACEWAY TO UTILITY ROOM... REINSTALL THE COAX CABLING. COORDINATE SERVICE ACTIVATION WITH THE CABLE COMPANY.

- 6 BOND NEUTRAL TO GROUND PER NEC.
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- PROVIDE §" DIAMETER X 10' COPPER CLAD GROUND ROD. CADWELD CONDUCTOR TO ROD. DRIVE ROD INTO EARTH TILL THE TOP OF THE ROD IS 2" BELOW FINISHED GRADE.
- 9 PROVIDE TRI-POSITIONED 8" DIAMETER X 10' COPPER CLAD GROUND RODS. SEE PLAN FOR ADDITIONAL INFORMATION. CADWELD CONDUCTOR TO RODS. DRIVE ROD INTO EARTH TILL THE TOP OF THE ROD IS 2" BELOW FINISHED GRADE.
- BOND TO WATER SERVICE ENTRANCE. PROVIDE #2 AWG CU BONDING JUMPER ACROSS WATER SERVICE APPURTENANCES.
- SERVICE ENTRANCE FEEDER.