



To: All Bidders

From: Michael R. Berta, AIA

Date: October 10, 2025

Subject: Addendum No 1

Please take note of the following clarifications or additions to the bid package.

- 1) All patching will be the responsibility of the general contractor.
- 2) Section 000115 - List of drawings has been updated.
- 3) The through wall exhaust fans for both buildings have been made part of the base bid.

Drawings Modifications:

- A. Drawing M-001 Symbols, Abbreviations and Notes 10-10-2025 Addendum #1
Added drawing to the contract set.
- B. Drawing M-201 First Floor Plans Buildings 1 & 2 10-10-2025 Addendum #1
Added drawing to the contract set.
- C. Drawing P-001 Symbols List, Abbreviations, Specifications and Notes 10-10-2025 Addendum #1
Added drawing to the contract set.
- D. Drawing P-201 First Floor Plan, Detail and Notes 10-10-2025 Addendum #1
Added drawing to the contract set.
- E. Drawing E-301 Electrical One-line Diagram and Keyed Notes 10-10-2025 Addendum #1
Add testing and commissioning of the electrical system.
Added keyed note number 39
Added temporary portable generator for testing and commissioning

Respectfully Submitted.

Michael R. Berta, AIA
Principal

DOCUMENT 000115 - LIST OF DRAWING SHEETS

PART 1 - GENERAL

1.1 LIST OF DRAWINGS

- A. Drawings: Drawings consist of the Contract Drawings and other drawings listed on the Table of Contents page of the separately bound drawing set titled Proposed Garage Electrical upgrades for Highway Garage Buildings No 1 & 2 Town of Beekman, dated September 30, 2025, as modified by subsequent Addenda and Contract modifications.
- B. List of Drawings: Drawings consist of the following Contract Drawings and other drawings of type indicated:

E-001	Electrical Symbols List, Abbreviations and List Of Electrical Drawing
E-002	Electrical Specific

E-201	Ground Floor Plan Building Number 1, Panel Schedule and Keyed Notes
E-202	Ground Floor Plan Building Number 2, Panel Schedule and Keyed Notes
E-203	Electrical Site Plans and Keyed Notes.

E-301	Electrical One-Line Diagram and Keyed Notes.
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M-001	Symbols, Abbreviations and Notes
M-201	Floor Plans for Buildings 1 & 2

P-001	Symbol List, Abbreviations, Specifications and Notes
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P-201	Floor Plan, Details and Notes
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PART 2 - PRODUCTS (Not Used)
PART 3 - EXECUTION (Not Used)

END OF DOCUMENT 000115

MECHANICAL SYMBOLS

PIPING ELEMENTS/VALVING

	GATE VALVE		DIRECTION OF FLOW
	GLOBE VALVE		DIRECTION OF PITCH-RISE OR DROP
	PLUG VALVE		STRAINER
	BUTTERFLY VALVE		STRAINER WITH BLOW OFF VALVE
	BALL VALVE		PIPE RISING UP
	SWING CHECK VALVE		PIPE DROPPING DOWN
	LIFT CHECK VALVE		TEE OUTLET UP
	GATE VALVE, ANGLE		TEE OUTLET DOWN
	GLOBE VALVE, ANGLE		CONCENTRIC REDUCER
	DIAPHRAGM VALVE		ECCENTRIC REDUCER
	BALANCING VALVE		UNION - SCREWED OR FLANGED
	CIRCUIT SETTING BALANCING VALVE		ANCHOR
	THREE WAY CONTROL VALVE		GUIDE
	TWO WAY CONTROL VALVE		EXPANSION JOINT
	SOLENOID VALVE		FLOW SWITCH
	PRESSURE REDUCING VALVE (PRV)		TEMPERATURE TRANSMITTER
	TEMPERATURE/PRESSURE RELIEF VALVE		PRESSURE TRANSMITTER OR PRESSURE SWITCH
	RELIEF/SAFETY VALVE		THERMOMETER
	GAS COCK		GAUGE WITH GAUGE COCK & SYPHON (STEAM)
	FUSIBLE LINK VALVE-QUICK CLOSING		AQUATSTAT
	FUSIBLE LINK VALVE-QUICK OPENING		GAS PRESSURE REGULATOR
	AUTOMATIC FILL VALVE		FLOAT OPERATED CONTROL VALVE
	MANUAL AIR VENT		BASKET STRAINER
	AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)		ELECTRICALLY TRACED PIPING
	VACUUM BREAKER		FLEXIBLE CONNECTION
	FLOW METER-VENTURI		FLOW METER-DRIFCE

EQUIPMENT ABBREVIATIONS

AB	AIR BLENDER
ACU	AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
COND	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	AUTOMATIC CONTROL VALVE
D	AUTOMATIC DAMPER
EAV	EXHAUST AIR VALVE
EF	EXHAUST FAN
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FC	FAN COIL UNIT
FHEF	FUME HOOD EXHAUST FAN
GF	GLYCOL FEEDER
GFF	GAS FIRED FURNACE
HC	HEATING COIL
MB	MIXING BOX
P	PUMP
PS	PRESSURE SWITCH
RH	REHEAT COIL
RV	RELIEF VALVE
RTU	ROOFTOP UNIT
SAV	SUPPLY AIR VALVE
SF	SUPPLY FAN
ST	STORAGE TANK
STP	SOUND TRAP
TG	TRANSFER GRILLE
UH	UNIT HEATER
VAV	VAV BOX

REFERENCE SYMBOLS

	CONNECTION OF NEW TO EXISTING
	EXTENT OF DEMOLITION WORK

LINE DESIGNATIONS

---	EXISTING DUCTWORK TO BE REMOVED
— D —	DRAIN
— E —	EXPANSION
— EXH —	EXHAUST
— RS —	REFRIGERANT SUCTION
— RL —	REFRIGERANT LIQUID

DUCTWORK

DOUBLE LINE		SINGLE LINE	
	DUCTWORK		
	MANUAL VOLUME DAMPER (VD)		
	ACCESS DOOR		
	RADIUS ELBOW(R=1.5)		
	VANED ELBOW		
	BRANCH DUCT TAKE-OFF		
	RISE OR DROP DIRECTION OF AIR FLOW		
	FLEXIBLE CONNECTION		
	DIFFUSER		
	CEILING RETURN/EXHAUST REGISTER OR GRILLE		
	SUPPLY AIR GRILLE (G) OR SUPPLY AIR REGISTER (R)		
	RETURN AND/OR EXHAUST AIR GRILLE (G) OR REGISTER (R)		
	FLEXIBLE DUCTWORK		
	FIRE DAMPER & ACCESS DOOR		SUPPLY AIR
	THERMOSTAT, SENSOR		RETURN OR EXHAUST AIR
	HUMIDISTAT, SENSOR		OUTSIDE AIR
	SMOKE DETECTOR		HUMIDIFIER
	FLAME DETECTOR		COIL (TYPE AS INDICATED ON DRAWINGS)
	CO SENSOR		FAN
	CONTROL DAMPER-OPPOSED BLADE		
	CONTROL DAMPER-PARALLEL BLADE		
	BACKDRAFT DAMPER		
	MOTORIZED DAMPER		

REGISTERS, GRILLES ABBREVIATIONS

SWS	- SIDE WALL SUPPLY GRILLES
SWR	- SIDE WALL RETURN GRILLES
SWE	- SIDE WALL EXHAUST GRILLES
TG	- TRANSFER GRILLES

GENERAL NOTES

- GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
- DRAWINGS ARE DIAGRAMMATIC. DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
- COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES PERIODIC SERVICE.
- PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE.
- SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH EXISTING OPERATIONS IN THE FACILITY.
- RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS.
- INSTALL THERMOSTATS 4'-6" ABOVE FINISHED FLOOR OR AS DIRECTED OTHERWISE BY ARCHITECT.

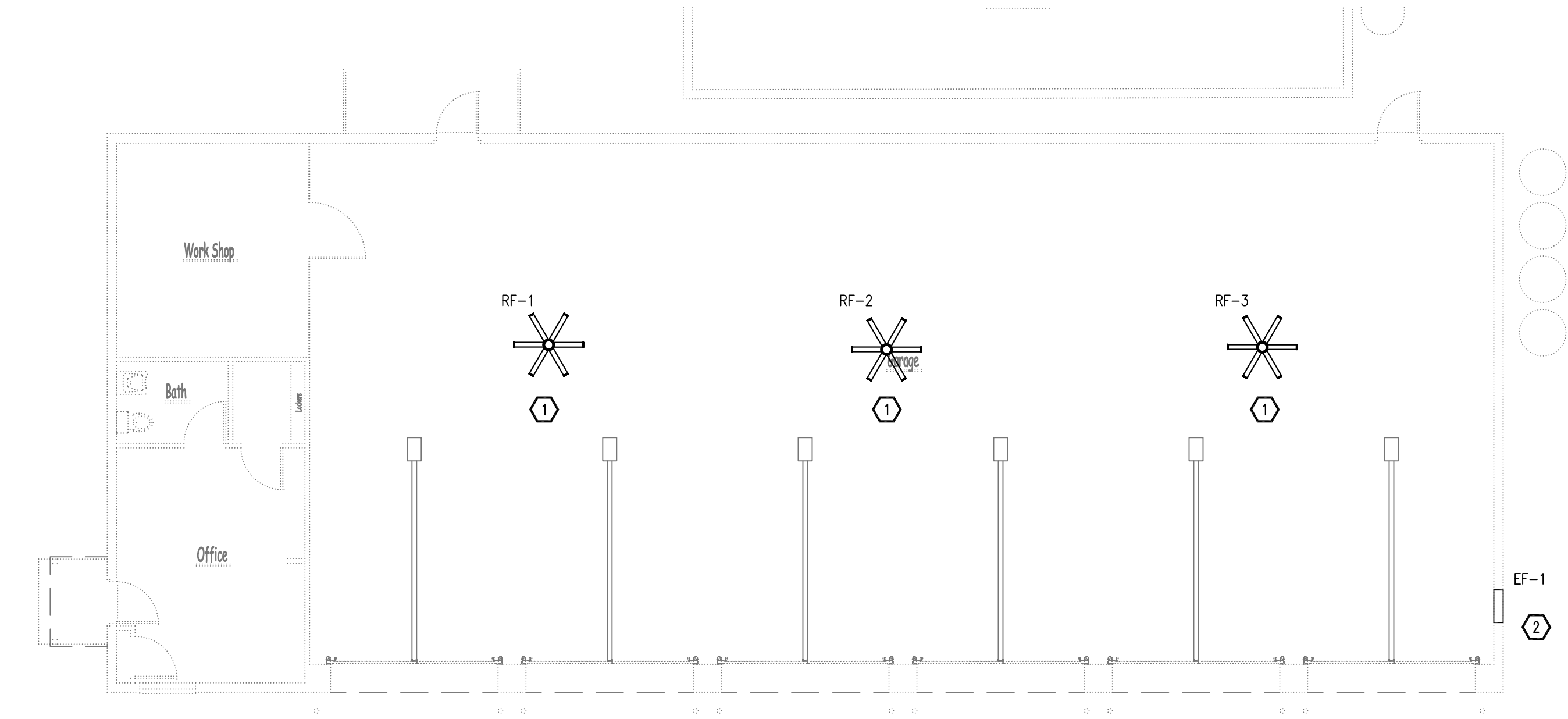
ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	FT	FEET	PT	PRESSURE TRANSMITTER
AFF	ABOVE FINISHED FLOOR	FTR	FINNED TUBE RADIATION	PV	PLUG VALVE
AD	ACCESS DOOR	FV	FACE VELOCITY	R	REGISTER
ATC	AUTOMATIC TEMPERATURE CONTROL	FXC	FLEXIBLE CONNECTION	RA	RETURN AIR
BDD	BACK DRAFT DAMPER	FDS	FUEL OIL SUCTION	RE	ROUNDED ENTRANCE/EXIT
BFF	BELOW FINISHED FLOOR	FDR	FUEL OIL RETURN	REL	RELIEF
BFP	BACK FLOW PREVENTOR	GA	GAUGE	RET	RETURN
BLDG	BUILDING	GAL	GALLON	RH	RELATIVE HUMIDITY
BOD	BOTTOM OF DUCT	GFF	GAS FIRED FURNACE	RLA	RATED LOAD AMPS
BSMT	BASEMENT	GPH	GALLONS PER HOUR	RM	ROOM
BTU	BRITISH THERMAL UNIT	GPM	GALLONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE
CAP	CAPACITY	HT	HEIGHT	RSL	REFRIGERANT SUCTION LINE
CBV	CIRCUIT BALANCING VALVE	H ₂ O	WATER	RL	REFRIGERANT LIQUID LINE
CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER	SA	SUPPLY AIR
CLG	CEILING	HR	HOOR	SH	SENSIBLE HEAT
CONN	CONNECTION	HTR	HEATER	SP	STATIC PRESSURE
CV	CONTROL VALVE	HZ	HERTZ	SPEC	SPECIFICATION
DAMP	DAMPER	ID	INTERNAL DIAMETER	SQ	SQUARE
DB	DRY BULB	IN	INCHES	STD	STANDARD
DIA	DIAMETER	KW	KILOWATT	SUCT	SUCTION
DISCH	DISCHARGE	L	LENGTH	SUP	SUPPLY
DIV	DIVISION	LAT	LEAVING AIR TEMPERATURE	SYS	SYSTEM
DN	DOWN	LB	POUND	TAD	TRANSFER AIR DUCT
DWG	DRAWING	LBS/HR	POUNDS PER HOUR (#/HR)	TEMP	TEMPERATURE
DX	DIRECT EXPANSION	LD	LINEAR DIFFUSER	TP	TOTAL PRESSURE
EA	EACH	LIN	LINEAR	TSP	TOTAL STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE	LVG	LEAVING	TT	TEMPERATURE TRANSMITTER
EFF	EFFICIENCY	LVR	LOUVER	TYP	TYPICAL
EFT	ELECTRIC FIN TUBE	LWT	LEAVING WATER TEMPERATURE	VOLTS	VOLTS
EJ	EXPANSION JOINT	MBH	THOUSANDS OF BTU PER HOUR	VD	VOLUME DAMPER
EL	ELEVATION	MED	MEDIUM	VEL	VELOCITY
ELEC	ELECTRIC	MFR	MANUFACTURER	VOLT	VOLTAGE
ENT	ENTERING	MIN	MINIMUM	W	WIDTH
EQ	EQUAL	MISC	MISCELLANEDUS	WB	WET BULB
EQUIP	EQUIPMENT	NC	NORMALLY CLOSED	WC	WATER COLUMN
ES	END SWITCH	No	NUMBER	WG	WATER GAUGE
ESP	EXTERNAL STATIC PRESSURE	NO	NORMALLY OPEN	WT	WEIGHT
EW	ENTERING WATER TEMPERATURE	NTS	NOT TO SCALE		
EXH	EXHAUST	PD	PRESSURE DROP (SEE SCHEDULE)		
EXPAN	EXPANSION	PH	PHASE		
EXT	EXTERNAL	PRESS	PRESSURE		
F	DEGREES FAHRENHEIT	PS	PRESSURE SWITCH		
FCV	FLOW CONTROL VALVE	PSI	POUNDS PER SQUARE INCH		
FD	FLOOR DRAIN	PSIG	POUNDS PER SQUARE INCH GAUGE		
FD/AD	FIRE DAMPER WITH ACCESS DOOR				
FIN	FINISHED				
FLA	FULL LOAD AMPS				
FPH	FEET PER HOUR				
FPM	FEET PER MINUTE				
FPS	FEET PER SECOND				
FS	FLOW SWITCH				
FD/SD/AD	COMBINATION FIRE AND SMOKE DAMPER WITH ACCESS DOOR				
FD/AD	FIRE DAMPER WITH ACCESS DOOR				

AIR SYSTEMS

- INTERNAL AIRFLOW DIMENSIONS ARE SHOWN FOR DUCTS. INCREASE DUCT SIZE AS NECESSARY TO MAINTAIN FREE FLOW AREA INDICATED. PROVIDE ACOUSTIC LINED DUCTWORK 20 FOOT MINIMUM FROM ALL AIR CONDITIONING EQUIPMENT ON BOTH SUPPLY AND RETURN.
- USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
- REGISTERS AND GRILLE SIZES ARE NOMINAL.
- PROVIDE VOLUME DAMPERS OR OTHER APPROVED BALANCING DEVICES AT DUCT BRANCHES AND RUN OUTS, AND AT REGISTERS AND GRILLES AND IN RETURN AND EXHAUST DUCTWORK WHETHER SHOWN OR NOT.
- PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.
- PROVIDE FLEXIBLE CONNECTION ON EACH SIDE OF ALL FANS

one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 4
one inch = one foot
0 6 12



1 FIRST FLOOR PLAN BUILDING 1
SCALE: 1/8"=1'-0"



2 FIRST FLOOR PLAN BUILDING 2
SCALE: 1/8"=1'-0"

SPECIFICATIONS

SECTION 2200000 – HEATING, VENTILATION & AIR CONDITIONING

PART 1 – GENERAL

FEDERAL CODES, NEW YORK STATE CODES AND LOCAL CODES APPLY TO THIS WORK.

1.01 DESCRIPTION OF THE WORK:

A. HEATING, VENTILATING, AND AIR CONDITIONING WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING AREAS:

- 1. FANS
- 2. THERMOSTATS
- 3. MOTORIZED DAMPERS
- 4. VENTS

B. COORDINATE WITH THE ELECTRICAL CONTRACTOR, (EC) THE WIRING, POWER, CONTROL, PROTECTION, AND CIRCUITING OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, VALVES, MOTORS, SENSORS, TEMPERATURE CONTROLLERS, AIR HANDLERS, AIR CONDITIONING CONDENSERS, EXHAUST FANS, RESISTANCE HEATING EQUIPMENT, OUTSIDE AIR DAMPERS, SIGNALING AND CONTROL EQUIPMENT, AND OTHER MECHANICAL EQUIPMENT, WHETHER LOW-VOLTAGE OR HIGH-VOLTAGE FOR A COMPLETE HVAC AND PLUMBING SYSTEM, SHOWN ANYWHERE IN THESE DRAWINGS OR DESCRIBED ANYWHERE IN THESE SPECIFICATIONS. SIZE WIRING AND CIRCUITS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

1.02 QUALITY ASSURANCE:

A. COMPLY WITH PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED. 1. CODES AND STANDARDS: COMPLY WITH THE NEW YORK STATE AND LOCAL CODES; NFPA #90A AND #90B, AND THE RULES AND REGULATIONS OF THE APPLICABLE UTILITY COMPANIES.

B. COORDINATE LOCATION OF DUCTWORK TO AVOID INTERFERENCE WITH LOCATION OF DESIGNATED LIGHTING FIXTURE LOCATIONS. NOTIFY ARCHITECT PRIOR TO CONSTRUCTION OF CONFLICTS WHICH CANNOT BE RESOLVED.

1.03 STANDARDS AND COMPLIANCE:

A. THERMAL PERFORMANCE OF INTERIOR BUILDING ENVELOPE SHALL MEET THE GUIDELINES ESTABLISHED BY ASHRAE.

B. INSTALLATION, DESIGN, CLEARANCES AND PROTECTION OF ALL SUPPLY AND EXHAUST OPENINGS SHALL COMPLY WITH THE NEW YORK STATE AND LOCAL CODES AND ALL MANUFACTURERS' RECOMMENDATIONS.

1.04 COORDINATION WITH DRAWINGS:

A. DRAWINGS REPRESENT A SCHEMATIC LAYOUT OF DUCTS AND DIFFUSERS TO ACHIEVE AN APPROXIMATION OF THE PERFORMANCE INTENDED FOR THE GEOGRAPHIC AREA. SOME ADJUSTMENT IN DUCT DISTRIBUTION, DIFFUSER LOCATION, PLENUM SIZE CHANGES AND OTHER MODIFICATIONS ARE ACCEPTABLE WHEN SUPPORTED WITH SUBMITTALS SHOWING DESIGN DATA, CFM RATINGS, AND OTHER INFORMATION SUPPORTING THE DESIGN INTENTS.

1.05 SUBMITTALS:

A. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, FIXTURE AND EQUIPMENT CATALOG CUTS.

1.07 ACCESSIBILITY:

A. ALL INDIVIDUAL ITEMS OF EQUIPMENT AND COMPONENTS THEREOF SHALL BE COMPLETELY ACCESSIBLE FOR REPAIR, REMOVAL OR REPLACEMENT WITHOUT FUNCTIONAL IMPAIRMENT OR DISMANTLING OF ANY ADJOINING SURFACES OR ASSEMBLIES, AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

PART – 2 PRODUCTS

2.01 VENTS, DAMPERS & THERMOSTATS:

A. THERMOSTATS: 7-DAY PROGRAMMABLE THERMOSTATS WITH MINIMUM 4 DAILY OCCUPIED & UNOCCUPIED SETTING AND TEMPERATURE-HOLD SETTINGS. MANUFACTURED BY HONEYWELL, JOHNSON CONTROLS, OR EQUAL. SEE SEQUENCE OF OPERATIONS ON DRAWINGS FOR THERMOSTAT FUNCTION, HEATING AND COOLING MODES, OUTSIDE AIR MODES, AND OTHER OPERATIONS.

B. MOTORIZED DAMPER: PROVIDE LOW LEAKAGE MOTORIZED DAMPER AT EXHAUST FAN.

C. VENTS FOR RADIANT HEATERS SHALL BE TYPE B.

PART 3 – EXECUTION

3.01 GENERAL

A. COORDINATE LOCATION OF ALL THRU-ROOF VENTS, STACKS AND OTHER PENETRATIONS NOT LESS THAN TEN (10) FEET AWAY FROM THE OUTSIDE AIR INTAKE VENTS (OR OTHER BUILDING OPENINGS) SHOWN ON DRAWINGS.

B. CUTTING AND NOTCHING: ALL CUTTING, NOTCHING, AND DRILLING SHALL BE DONE WITHIN THE LIMITS SET FORTH IN ARCHITECTURAL SPECIFICATIONS OR AS OTHERWISE DESCRIBED IN THIS SECTION.

C. TESTS: EACH SYSTEM SHALL BE TESTED TO INSURE THAT THE INTENT STATED ABOVE HAS BEEN REALIZED. TEMPERATURES AND EQUIPMENT NOISE LEVELS SHALL BE CHECKED TO INSURE PROPER EQUIPMENT OPERATION. AIR FLOW AT EACH DIFFUSER SHALL BE CHECKED TO INSURE PROPER AND UNRESTRICTED FLOW OF AIR THROUGH THE DUCT SYSTEM.

3.02 SEQUENCE OF OPERATION

SHOP FANS SHALL OPERATE FROM A LOCAL SPEED SWITCH.

EXHAUST FANS SHALL OPERATE FROM A LOCAL THERMOSTAT.

CONSTRUCTION NOTES

- 1 RECIRCULATING FANS SHALL BE BID AS ALTERNATE 1.
- 2 THROUGH WALL EXHAUST FAN SHALL BID AS BASE BID.
- 3 EXTEND TYPE B VENT TO 3 FEET ABOVE ANYTHING WITHIN 10 FEET.

FAN SCHEDULE

FAN No.	AREA SERVICED	CFM	TOTAL S.P. IN. WAT.	RPM	MOTOR							FAN				
					BHP	HP	WATTS	VOLT	PH	HZ	DRIVE	TYPE	CLASS	ARR.	ROTATION	MANUFACTURER AND MODEL No.
F-1,2,3,4,5,6	SHOP	12,616	—	80	—	—	36	120	1	60	DIRECT	CEILING	—	—	—	BIG ASS FANS I6
EF-1,2	GARAGE	3400	.25	1619	.55	3/4	—	120	1	60	DIRECT	WALL	—	—	—	GREENHECK SE1-16-436-VG
NOTES: PROVIDE WALL HOUSING AND MOTORIZED DAMPER FOR EF-1 AND 2.																

Do Not Scale Prints

10-10-2025	ADDENDUM #1
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Date	Revision
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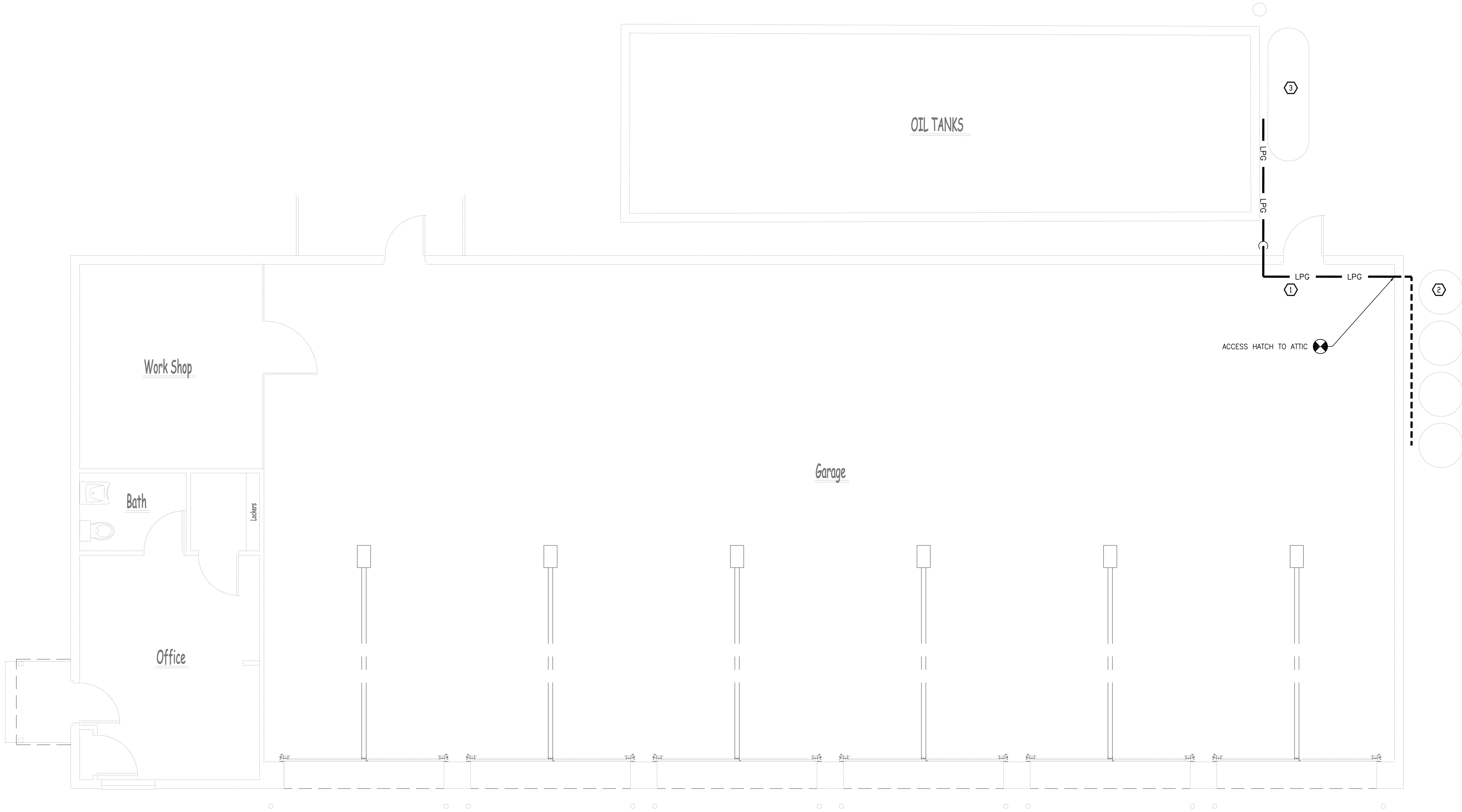
FIRST FLOOR PLANS BUILDINGS 1 & 2
ELECTRICAL SERVICES UPGRADES FOR HIGHWAY DEPARTMENT
Town of Beekman
4 Main Street
Poughkeepsie, NY

Date	September 30, 2025
Job No	2025-016
Scale	As Noted
Drawing	M-201
Of	

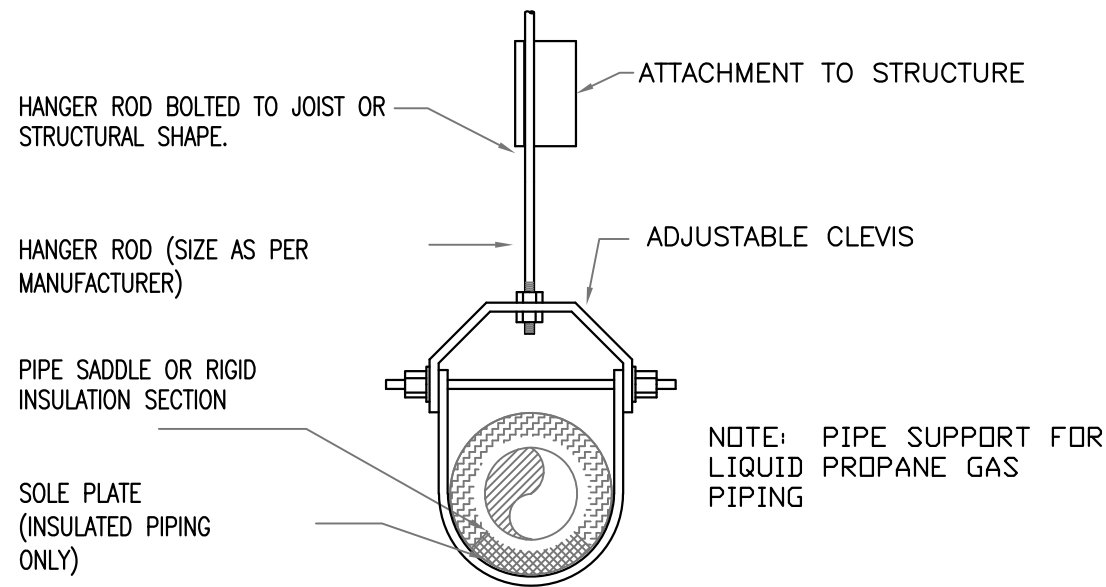
These plans are not valid for a building permit unless originally signed and sealed by the architect

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one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 4
one inch = one foot
0 6 12



1 FIRST FLOOR PLAN - BUILDING 1
SCALE: 1/4"=1'-0"



2 PIPE HANGER DETAIL
SCALE: NOT TO SCALE

NOTES

- EXTEND 3/4" GAS PIPING TO NEW 500 GALLON PROPANE TANK PROVIDED BY GAS SUPPLIER. MAKE FINAL CONNECTION TO TANK. COORDINATE WITH SUPPLIER.
- REMOVE EXISTING PROPANE PIPING BACK INTO BUILDING. SEAL OPENING WEATHER TIGHT.
- FILL CAP 10' MINIMUM FROM BUILDING AND 5' FROM ADJACENT TANKS.

Date	Revision
10-10-2025	ADDENDUM #1
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FIRST FLOOR PLAN, DETAIL AND NOTES - BUILDING 1	
ELECTRICAL SERVICES UPGRADES FOR HIGHWAY DEPARTMENT	
Town Of Beekman	
4 Main Street Poughkeepsie, NY	

Date	September 30, 2025
Job No	2025-016
Scale	As Noted
Drawing	P-201
Of	



ALL CONDUCTORS ARE COPPER THHN (OR XXHW
AS APPLICABLE) IN RACEWAY.

- 1 EXISTING UTILITY POLE.
- 2 EXISTING POLE MOUNTED UTILITY TRANSFORMERS.
- 3 EXISTING UTILITY UNDERGROUND SERVICE FEEDER.
- 4 OUTDOOR ELECTRIC SERVICE EQUIPMENT.
- 5 EXISTING OUTDOOR ELECTRIC SERVICE METER FOR BUILDING #1.
- 6 EXISTING OUTDOOR ELECTRIC SERVICE DISCONNECT/OCPD FOR BUILDING #1.
- 7 EXISTING OUTDOOR ELECTRIC SERVICE METER/CT FOR BUILDING #2.
- 8 EXISTING OUTDOOR ELECTRIC SERVICE DISCONNECT/OCPD FOR BUILDING #2.
- 9 EXISTING OUTDOOR ELECTRIC SERVICE DISCONNECT/OCPD FOR BUILDING #1 SUB TENANT.
- 10 EXISTING UNDERGROUND ELECTRIC SERVICE FEED FOR BUILDING #1
- 11 EXISTING MAIN ELECTRIC PANEL FOR BUILDING #1
- 12 EXISTING ELECTRIC SERVICE FEED FOR BUILDING #2
- 13 EXISTING MAIN ELECTRIC PANEL FOR BUILDING #2
- 14 EXISTING UNDERGROUND BRANCH CIRCUITRY TO 911 MONUMENT.
- 15 EXISTING UNDERGROUND ELECTRIC SERVICE FEED TO SALT PANEL.
- 16 CONTROL TRANSFER SWITCH FOR GENERATOR START, STOP CONTROL AND ALARM/MONITORING CIRCUITS. PROVIDE MULTI-POLE DOUBLE THROW TRANSFER SWITCH INTERLOCKED WITH THE PORTABLE GEN SELECTION TRANSFER BREAKER PAIR TO SIMULTANEOUSLY TRANSFER THE GENERATOR CONTROL AND ALARMS BETWEEN THE STATIONARY GENERATOR AND THE PORTABLE GENERATOR IN COORDINATION WITH THE GENERATOR SELECTION.
- 17 PROVIDE ALARM CONTACT TO INDICATE/ANNUNCIATE WHEN THE SELECTOR IS IN THE PORTABLE GENERATOR MODE (52-P IS CLOSED).
- 18 PROVIDE ALARM CONTACT TO INDICATE/ANNUNCIATE WHEN THE SELECTOR IS IN NEUTRAL MODE (BOTH BREAKERS ARE OPEN OR TRIPPED).
- 19 US EMPTY RACEWAY FOR FUTURE OUTDOOR GENERATOR.
- 20 120/208VAC 3Ø 4W+G SERVICE ENTRANCE TRANSFER SWITCH. FREE STANDING NEMA 3R, 3 POINT REMOVABLE GASKETED, LOCABLE HINGED DOOR.
- 21 FREESTANDING OUTDOOR WEATHER RESISTANT CONDUIT/SELECTION CABINET FOR PORTABLE GENERATOR. TRYSTAR G05D08B3PCFM-ABGHJK2MPSU
- 22 BOND NEUTRAL TO GROUND PER NEC. BOND TO WATER MAIN USING 4/0AWG IN 1" FIBERGLASS FRE XW RACEWAY.
- 23 BOND ACROSS WATER SERVICE RP2/DOUBLE CHECK ASSEMBLY USING #4/0 COPPER CONDUCTOR AN BURNED Y-BOLT PIPE GROUNDING CLAMPS.
- 24 QUICK CONNECT TERMINALS FOR POWER CONNECTIONS OF THE PORTABLE GENERATOR.
- 25 QUICK CONNECT BARRIERED TERMINAL STRIP FOR ALARM AND CONTROL CIRCUITS CONNECTIONS OF THE PORTABLE GENERATOR.
- 26 60 AMPERE 120/208VAC 3Ø 4W+G QUICK CONNECT BARRIERED TERMINAL STRIP FOR SHORE POWER CIRCUITS CONNECTIONS TO THE PORTABLE GENERATOR.
- 27 TRANSIENT VOLTAGE SURGE SUPPRESSOR. JOSLYN 85-MN
- 28 TRANS-S STYLE FREESTANDING METERING STRUCTURE. PROVIDE OUTDOOR CONCRETE PAD. RELOCATE ORIGINAL METER TO THIS EQUIPMENT.
- 29 SERVICE FEED TO BUILDING #1.
- 30 SERVICE FEED TO BUILDING #2.
- 31 UNDERGROUND UTILITY FEED.
- 32 CAP UNDERGROUND TERMINATIONS OF RACEWAYS FOR FUTURE STATIONARY GENERATOR. PROVIDE MONUMENT MARKER.
- 33 CIRCUIT CONTROL DEVICES AND SAFETY DEVICES TO ASSOCIATED OPERATOR/EQUIPMENT.
- 34 EXISTING PANEL FOR THE COUNTY SALT SHED.
- 35 EXISTING PANEL FOR THE TOWN SALT SHED.
- 36 BOND TO EARTH USING #2AWG SOLID BARE TINNED COPPER CONDUCTOR. BOND TO APPEARANCE AND TO 5/8" X 10' LONG COPPER CLAD GROUND ROD. DRIVE ROD INTO EARTH TILL TOP OF ROD IS EVEN WITH FINISH OUTDOOR GRADE. LOCATE ROD 50 AS NOT TO CREATE A TRIPPING HAZARD.
- 37 OUTDOOR MAIN SERVICE SWITCHBOARD "MDP".
- 38 HAUNCHED CONCRETE PAD.
- 39 PROVIDE COMPLETE COMMISSIONING INCLUDING OPERATIONAL TESTING OF THE FINISHED SYSTEM. SIMULATE NORMAL AND UTILITY OUTAGE SCENARIOS. CONFIRM PROPER OPERATION OF THE SYSTEMS. PROVIDE TEMPORARY TRAILER MOUNTED 150KW 120/208VAC 3Ø 4W+G DIESEL FUELED GENERATOR, WITH ALL APPURTENANCES TO ACCOMMODATE THESE TESTS AND COMMISSIONING OF THE FINISHED INSTALLATION.