FROM: Allied Engineering, Inc.
160 Veranda Street
Portland, Maine 04103
Telephone: (207) 221-2260

TO: Prospective Bidders, Suppliers, and Other Parties

RE: Addendum No**. Five (5)** to the Bidding Documents for:
NEW York Vehicle Storage Garage, York, ME

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated March 28, 2023. Acknowledge receipt of this Addendum in the space provided on the Proposal Form. Failure to do so may subject Bidder to disqualification.

GENERAL - None

CONTRACTOR QUESTIONS/RESPONSES

1. **Question**: Plan C-101 in Addendum 2 shows a 1 ¼" water service being extended from the existing well onsite, with the note regarding a new well and pump omitted. Please clarify if the new well is being removed from the scope of work, with the intent to feed the proposed building and salt shed from the existing well.

   Response: Correct, the new well is being removed from the project scope.

2. **Question:** Detail 3 & 4 on plan A-5 shows insulation in the 2'-0" roof overhang cavity, which is not within the heated building envelope. Is insulation in this area required?

   Response: The insulation indicated in the overhangs beyond the A & D grid lines on Sheet A-5; Wall Sections 3 & 4 is not required as it is beyond the building envelope.

SPECIFICATIONS

1. Section 133419 METAL BUILDING SYSTEMS, make the following changes.
   1. Subsection 2.2.B, **DELETE** "Rigid Modular: Solid-member, structural-framing system with interior columns."
      ADD in its place: Rigid Modular: Solid-member, structural-framing system.

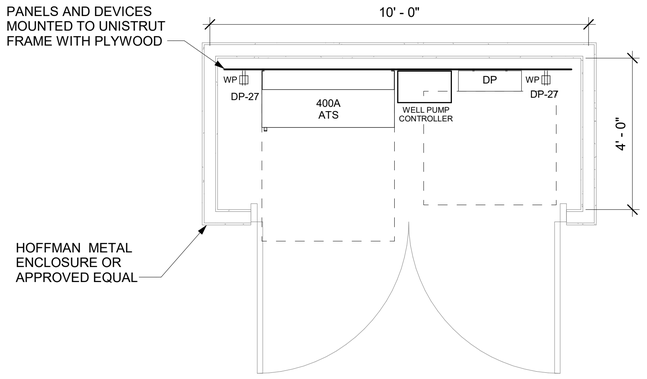
PLANS SHEETS & SKETCHES

1. Drawing Cover Sheet, **DELETE** reference to "Robert D. Stone, Member".
   ADD in its place: "BettyAnn Sheats, Member".

2. Drawing ES100 (Sheet 28 of 33), **DELETE** this drawing. **ADD** Drawing ES100 Revised June 08, 2023 – Addendum 5 in its place.
3. Drawing E001 (Sheet 30 of 33), **DELETE** this drawing. **ADD** Drawing E001 Revised June 08, 2023 – Addendum 5 in its place.

ATTACHMENTS

A.	Addendum Summary Document	(2 Pages)
B.	General	(0 Pages)
C.	Specifications	(0 Pages)
D.	Plan Sheets and Sketches	(2 Pages)
	Total Page Count	**4 Pages**

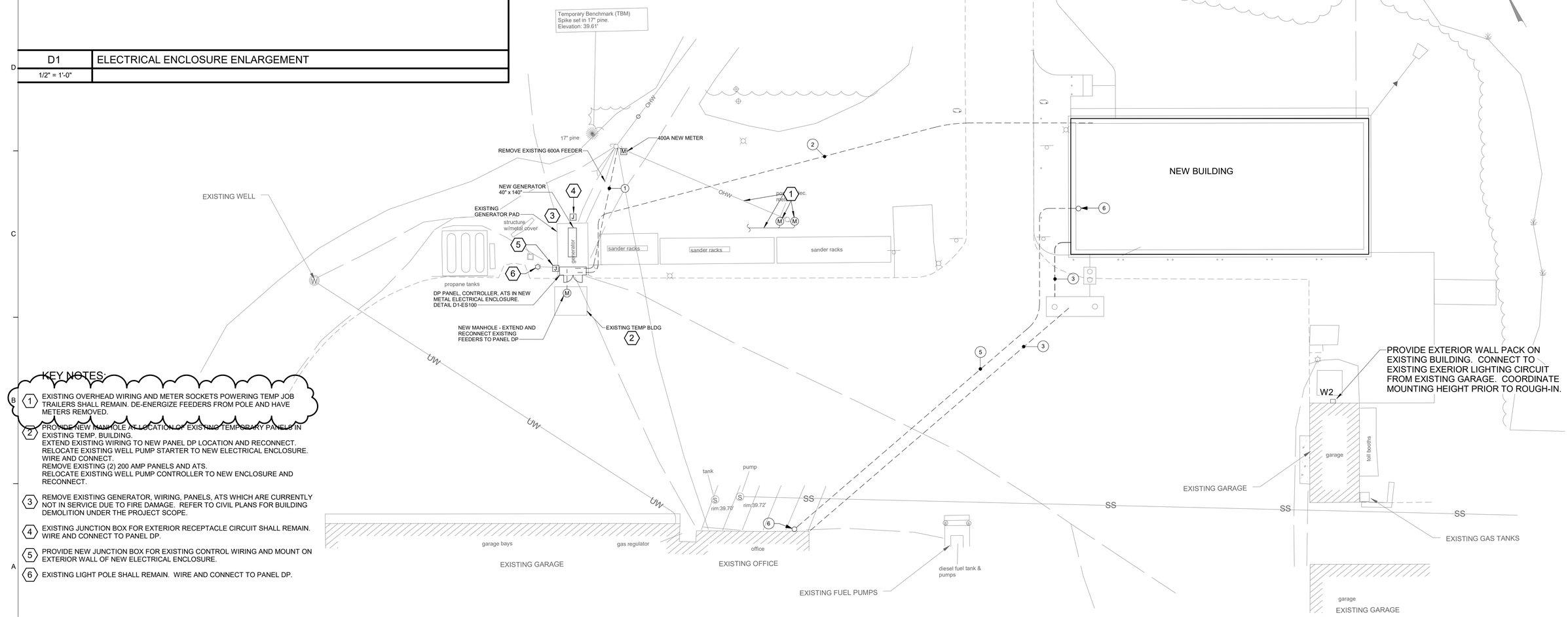


CONDUIT AND WIRING KEY:

1. 400A FEEDER TO ATS - REFER TO RISER
2. FEED TO NEW GARAGE - SEE RISER
3. 3/4" CONDUIT UNDERGROUND WITH PULL STRING FOR TANK MONITORING
   FURNISH AND INSTALL A COMPLETE HIGH LEVEL ALARM MONITORING SYSTEM FOR THE FLOOR DRAIN HOLDING TANK. THE SYSTEM SHALL BE AS MANUFACTURED BY TANK ALERT AB ALARM SYSTEM, PART NUMBER 1011421, MODEL TA AB-01H AND SHALL INCLUDE BUT NOT NECESSARILY BE LIMITED TO THE FOLLOWING COMPONENTS AND OPTIONS:
   - 15' SJE SIGNAL MASTER FLOAT STYLE CONTROL SWITCH WITH MOUNTING CLAMP, JUNCTION BOX, AND HIGH WATER ALARM FLOAT. COORDINATE WITH THE TANK MANUFACTURER FOR TANK OPENING REQUIREMENTS.
   - AUXILIARY ALARM CONTACTS
   - SJE RHOMBUS TANK ALERT AB IN NEMA 1 ENCLOSURE, AUTOMATIC ALARM RESET, RED ALARM LIGHT AND GREEN POWER ON LIGHT, ALARM TEST SWITCH, HORN SILENCE SWITCH.

   THE SYSTEM SHALL BE POWERED WITH 120 VAC PRIMARY VOLTAGE AND 9 VDC SECONDARY VOLTAGE. THE SYSTEM SHALL PROVIDE AUDIBLE ALARM AT 87 DECIBELS AT 10 FEET AND SHALL INCLUDE A 6' POWER CORD
4. NOT USED
5. (2) 3" CONDUIT FOR FUTURE
6. STUB UP AND CAP CONDUITS 24" ABOVE FINISHED FLOOR/FINISHED GRADE. COORDINATE FINAL LOCATION PRIOR TO ROUGH IN.

D1	ELECTRICAL ENCLOSURE ENLARGEMENT
1/2" = 1'-0"	



KEY NOTES:

1. EXISTING OVERHEAD WIRING AND METER SOCKETS POWERING TEMP JOB TRAILERS SHALL REMAIN. DE-ENERGIZE FEEDERS FROM POLE AND HAVE METERS REMOVED.
2. PROVIDE NEW MANHOLE AT LOCATION OF EXISTING TEMPORARY PANELS IN EXISTING TEMP. BUILDING.
   EXTEND EXISTING WIRING TO NEW PANEL DP LOCATION AND RECONNECT.
   RELOCATE EXISTING WELL PUMP STARTER TO NEW ELECTRICAL ENCLOSURE. WIRE AND CONNECT.
   REMOVE EXISTING (2) 200 AMP PANELS AND ATS.
   RELOCATE EXISTING WELL PUMP CONTROLLER TO NEW ENCLOSURE AND RECONNECT.
3. REMOVE EXISTING GENERATOR, WIRING, PANELS, ATS WHICH ARE CURRENTLY NOT IN SERVICE DUE TO FIRE DAMAGE. REFER TO CIVIL PLANS FOR BUILDING DEMOLITION UNDER THE PROJECT SCOPE.
4. EXISTING JUNCTION BOX FOR EXTERIOR RECEPTACLE CIRCUIT SHALL REMAIN. WIRE AND CONNECT TO PANEL DP.
5. PROVIDE NEW JUNCTION BOX FOR EXISTING CONTROL WIRING AND MOUNT ON EXTERIOR WALL OF NEW ELECTRICAL ENCLOSURE.
6. EXISTING LIGHT POLE SHALL REMAIN. WIRE AND CONNECT TO PANEL DP.

A1	ELECTRICAL SITE PLAN
1" = 20'-0"	

Scale: As indicated

Designed by: ANTHONY S. DAVIS, P.E.

STATE OF MAINE — CATHERINE A. FAUCHER No. 7575 — LICENSED PROFESSIONAL ENGINEER

ISSUED FOR BID - NOT FOR CONSTRUCTION

No.	Revision	By	Date
1	ISSUED FOR ADDENDUM No. 2	AEI	05/05/2023
2	ISSUED FOR ADDENDUM No. 5	AEI	06/08/2023

	By	Date		By	Date
Designed:	CAF	03/28/23	Checked:	CAF	03/28/23
Drawn:	REW	03/28/23			

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AEI PROJ.NO.: 20020 CAD FILE:

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06
YORK VEHICLE STORAGE GARAGE
ELECTRICAL SITE PLAN

SHEET NUMBER: ES100

CONTRACT: 2023.06

VOLTAGE DROP CHART			
MAXIMUM LOAD (VA)	MAXIMUM LENGTH PER CONDUCTOR...		
	#12	#10	#8
120 VOLT CIRCUITS			
800	155	245	390
1000	125	195	310
1200	105	165	260
1400	90	140	220
1600	80	125	195
1800	70	110	175
277 VOLT CIRCUITS			
2000	330	525	830
2500	265	420	665
3000	220	350	555
3500	190	300	475
4000	165	260	415

SPECIAL RECEPTACLE SCHEDULE

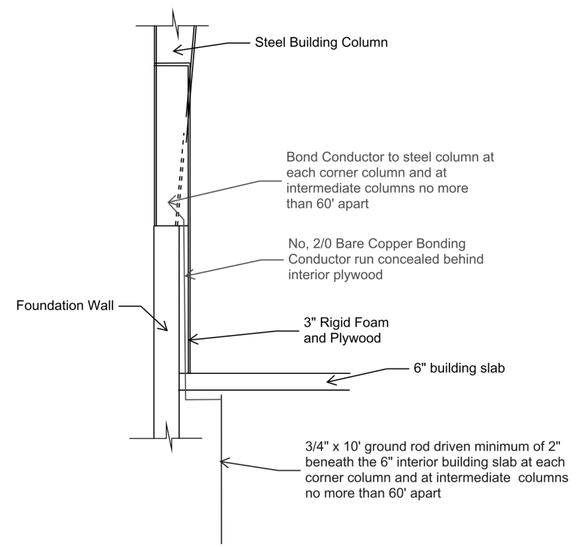
TAG	NEMA	DESCRIPTION (SINGLE DEVICE)	OCPD	BRANCH CIRCUIT
A	5-15R	15A-125V,2P,3W	15A-1P	2#12 & 1#12GND - 3/4" C
B	5-20R	20A-125V,2P,3W	20A-1P	2#12 & 1#12GND - 3/4" C
C	5-30R	30A-125V,2P,3W	30A-1P	2#10 & 1#10GND - 3/4" C
D	5-50R	50A-125V,2P,3W	50A-1P	2#6 & 1#10GND - 3/4" C
E	6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
F	L6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
G	6-30R	30A-250V,2P,3W	30A-2P	2#10 & 1#10GND - 3/4" C
H	L6-50R	50A-250V,2P,3W-LOCKING	50A-2P	2#6 & 1#10GND - 3/4" C
I	14-20R	20A-125/250V,3P,4W	20A-2P	3#12 & 1#12GND - 3/4" C
J	14-30R	30A-125/250V,3P,4W	30A-2P	2#10 & 1#10GND - 3/4" C
K	14-50R	50A-125/250V,3P,4W	50A-2P	3#6 & 1#10GND - 1" C
L	14-60R	60A-125/250V,3P,4W	60A-2P	3#6 & 1#10GND - 1" C
M	L15-20R	20A-250V,3PH,3P,4W	20A-3P	3#12 & 1#12GND - 3/4" C
N	15-30R	30A-250V,3PH,3P,4W	30A-3P	3#10 & 1#10GND - 3/4" C
P	15-50R	50A-250V,3PH,3P,4W	50A-3P	3#6 & 1#10GND - 1" C
Q	15-60R	60A-250V,3PH,3P,4W	60A-3P	3#6 & 1#10GND - 1" C
R	L5-20R	20A-125V,2P,3W, TWIST LOCK	20A-1P	2#12 & 1#12GND - 3/4" C
S	L5-30R	30A-125V,2P,3W, TWIST LOCK	30A-1P	2#10 & 1#10GND - 3/4" C
T	L6-15R	15A-250V,2P,3W, TWIST LOCK	15A-2P	2#12 & 1#12GND - 3/4" C
U	L6-20R	20A-250V,2P,3W, TWIST LOCK	20A-2P	2#12 & 1#12GND - 3/4" C
V	L6-30R	30A-250V,2P,3W, TWIST LOCK	30A-2P	2#10 & 1#10GND - 3/4" C
W	L14-20R	20A -125/250V,3P,4W,TWIST LOCK	20A-2P	3#12 & 1#12GND - 3/4" C
X	L14-30R	30A -125/250V,3P,4W,TWIST LOCK	30A-2P	3#10 & 1#10GND - 3/4" C
Y	L16-20R	20A-480V, 3P,4W, TWIST LOCK	20A-3P	3#12 & 1#12GND - 3/4" C
Z	L11-20R	20A-250V, 3P,4W, TWIST LOCK	20A-3P	3#12 & 1#10GND - 3/4" C

BRANCH CIRCUITS SCHEDULE	
CIRCUIT BREAKER	CONDUCTOR
120 OR 277 VOLT, 1 PH., 2W CIRCUITS	
15A-1P, 20A-1P	2#12 & 1#12 GND - 3/4" C.
30A-1P	2#10 & 1#10 GND - 3/4" C.
40A-1P	2#8 & 1#10 GND - 3/4" C.
50A-1P	2#6 & 1#10 GND - 3/4" C.
60A-1P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 1PH., 2W CIRCUITS	
15A-2P, 20A-2P	2#12 & 1#12 GND - 3/4" C.
30A-2P	2#10 & 1#10 GND - 3/4" C.
40A-2P	2#8 & 1#10 GND - 3/4" C.
50A-2P	2#6 & 1#10 GND - 3/4" C.
60A-2P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 3PH., 3W CIRCUITS	
15A-3P, 20A-3P	3#12 & 1#12 GND - 3/4" C.
30A-3P	3#10 & 1#10 GND - 3/4" C.
40A-3P	3#8 & 1#10 GND - 3/4" C.
50A-3P	3#6 & 1#10 GND - 3/4" C.
60A-3P	3#6 & 1#10 GND - 3/4" C.

BRANCH CIRCUIT SCHEDULE NOTES:

1. TYPE MC CABLE SHALL INCLUDE FULL SIZE INSULATED GROUND CONDUCTOR. SIZES AS INDICATED IN SCHEDULE
2. WIRING BASED ON MAXIMUM FEEDER LENGTH OF 150 FEET FOR 120 VOLT CIRCUITS AND 300 FEET FOR 277...
3. UPGRADE WIRE AND CONDUIT SIZE AS REQUIRED TO ADDRESS VOLTAGE DROP

Grounding at metal building steel column per special provision 260526_3.5G



A1 ELECTRICAL SCHEDULES

A7 ELECTRICAL GROUNDING DETAIL

Scale:

Designed by:

ANTHONY S. DAVIS, P.E.

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STATE OF MAINE * CATHERINE A. FAUCHER No. 7575 * LICENSED PROFESSIONAL ENGINEER

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Designed:	CAF	03/28/23	Checked:	CAF	03/28/23
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MTA PROJECT MANAGER: Brian A. Taddeo, P.E.

CONTRACT 2023.06

YORK VEHICLE STORAGE GARAGE

ELECTRICAL GENERAL NOTES AND SCHEDULES

SHEET NUMBER: E001

CONTRACT: 2023.06