

Addendum #4

Directorate of Facilities Engineering

22 September 2020

This Addendum modifies, amends, and supplements designated parts of the Contract Documents, Specifications and Drawings for:

Repair Hangar Doors, Building #254, B.I.A., Bangor, Maine, BGS Project Number 3229, DFE Project Number 23SR13-414-D, Bid Number 21-002.

It shall be the responsibility of the Contractor to notify all Subcontractors and Suppliers for various portions of the work of any changes or modifications contained in this Addendum.

Specification Items:

1. Replace Section 00 41 13 Contractor Bid Form, page 2 of 3 with enclosed revised Section 00 41 13 Contractor Bid Form, page 2 of 3. Addendum #4 is noted on page 2 of 3.
2. Replace Section 00 52 13 Construction Contract, page 4 of 5 with enclosed revised Section 00 52 13 Construction Contract page 4 of 5. Addendum #4 is noted on page 4 of 5.
3. Replace Section 01 00 00 Administrative Provisions, pages 20 of 26 with enclosed revised Section 00 52 13 Construction Contract pages 20 of 26. The changes on page 20 and page 21 have been highlighted in Yellow:

G. Submit Closeout Documentation to the Consultant 10 days prior to the Substantial Completion Date. The Consultant shall confirm that the Contractor has fulfilled the Contract Closeout Documentation Requirements 10 days prior to the Substantial Completion Date.

1. The Contractor's Design Team will be providing the Issued For Construction Drawings (IFC) to the Contractor.
2. The Contractor's Design Team will be providing the Issued For Construction Drawings (IFC) to the Owner and the Owner's Consultant. Provide One (1) set of (IFC) to the Owner and One (1) set of (IFC) to the Consultant:
 - a. One (1) each, full size copies – 24" x 36" marked in the title "ISSUED FOR CONSTRUCTION".
3. The Contractor shall carry the cost in this contract to create the final As-built Record Drawings for the Owner. The Contractor shall provide Two (2) Draft Set of As-built Record Drawings to the Owner's Consultant for review and acceptance. Provide Draft Set of 24" x 36" D-size sets of As-built Record Drawings.

4. Once the As-built Record Drawings have been accepted. The Contractor shall provide the following:
 - a. Two (2) full size copies – 24” x 36” marked in the title “FINAL RECORD DRAWINGS”.
 - b. Two (2) half size copies – 11” x 17” marked in the title “FINAL RECORD DRAWINGS”.
5. One (1) Compact Disk with:
 - a. AutoCAD Release 2010 format.
 - b. AutoCAD drawings shall follow MEARNG A/E/C Standards package provided by the MEARNG Project Manager. Any additions or modifications were approved by the MEARNG Project Manager.
 - c. Drawings shall be stand-alone without X-references. If the drawing originally had X-references, BIND them using the INSERT option and do not explode the inserted block.

Clarification Items:

1. None.

Drawing Items:

2. No drawing changes at this time.

**00 41 13
Contractor Bid Form**

3. The Bidder acknowledges receipt of the following addenda to the specifications and drawings:

Addendum No. 1 Dated: 18 Aug. 2020

Addendum No. 2 Dated: 3 Sept. 2020

Addendum No. 3 Dated: 11 Sept. 2020

Addendum No. 4 Dated: 21 Sept. 2020

Addendum No. Dated:

4. Bid security *is required* on this project.

If noted above as required, the Bidder shall include a satisfactory Bid Bond (section 00 43 13) or a certified or cashier's check for 5% of the bid amount with this completed bid form submitted to the Owner.

5. Filed Sub-bids *are not required* on this project.

8.2 Specifications: *28 July 2020*

8.3 Drawings: *28 July 2020*

8.4 Addenda: *Addendum #1 - 18 Aug. 2020*

Addenda: *Addendum #2 - 3 Sept. 2020*

Addenda: *Addendum #3 - 11 Sept. 2020*

Addenda: *Addendum #4 - 21 Sept. 2020*

1. Manufacturer's name and product model and number.
2. Product substitutions or alternates used.
3. Changes made by Addenda and modifications.

F. Red-Line Drawings: Legibly mark each item to record actual construction including:

1. Measured depths of foundations in relation to finish main floor datum.
2. Measured horizontal and vertical locations of underground utilities and an appurtenances, referenced to permanent surface improvements.
3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
4. Field changes of dimension and detail.
5. Details not on original Contract drawings.

G. Submit Closeout Documentation to the Consultant 10 days prior to the Substantial Completion Date. The Consultant shall confirm that the Contractor has fulfilled the Contract Closeout Documentation Requirements 10 days prior to the Substantial Completion Date.

1. The Contractor's Design Team will be providing the Issued For Construction Drawings (IFC) to the Contractor.

2. The Contractor's Design Team will be providing the Issued For Construction Drawings (IFC) to the Owner and the Owner's Consultant. Provide **One (1)** set of (IFC) to the Owner and **One (1)** set of (IFC) to the Consultant:

a. **One (1)** each, full size copies – 24" x 36" marked in the title "ISSUED FOR CONSTRUCTION".

3. The Contractor shall carry the cost in this contract to create the final As-built Record Drawings for the Owner. The Contractor shall provide **Two (2)** Draft Set of As-built Record Drawings to the Owner's Consultant for review and acceptance. Provide Draft Set of 24" x 36" D-size sets of As-built Record Drawings.

4. Once the As-built Record Drawings have been accepted. The Contractor shall provide the following:

a. **Two (2)** full size copies – 24" x 36" marked in the title "FINAL RECORD DRAWINGS".

b. **Two (2)** half size copies – 11" x 17" marked in the title "FINAL RECORD DRAWINGS".

5. **One (1) Compact Disk with:**

a. AutoCAD Release 2018 format.

b. AutoCAD drawings shall follow MEARNG A/E/C Standards package provided by the MEARNG Project Manager. Any additions or modifications were approved by the MEARNG Project Manager.

c. Drawings shall be stand-alone without X-references. If the drawing originally had X-references, BIND them using the INSERT option and do not explode the inserted block.

3.07 OPERATION AND MAINTENANCE DATA

A. Submittal Requirements:

1. Submit three (3) copies of data on 8-1/2 x 11-inch (A4) text pages, bound in three (3) separate D side ring binders with durable plastic covers.
2. **Contractor shall provide the O&M Manual in electronic form on CD/DVD.** All sections of the electronic form of the O&M Manual shall be **searchable**, excluding drawings and warranties. Every effort should be made to have the "Technical Data" section searchable as well, with the understanding this may not be possible in some instances.
3. Prepare binder cover with printed title "OPERATION AND MAINTENANCE", title of project, location, project number, and subject matter of binder when multiple binders are required. A spine label with same information should also be provided.
4. Subdivide each binder's contents with permanent page dividers, logically organized, with tab titles clearly printed. Tabs should be organized and titled based on the Table of Contents.

B. Manual Submission

1. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. Architect/Engineer will review draft and return one copy with comments.
2. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit documents within ten days after acceptance.
3. Submit one copy of completed volumes 15 days before final inspection. Draft copy will be reviewed and returned after final inspection, with Architect/Engineer comments. Revise content of document sets as required before final submission.
4. Submit two sets of revised final volumes in final form within 10 days after Receipt from Owner.

C. Contents

1. Project Summary: The first page in binder should include a paragraph describing the Project followed by a Contact List. The Contact List is to include DFE Project Manager name along with company name, contact name, address, and telephone number for the Architect/Engineer, Contractor, Subcontractors, and major equipment suppliers.
2. Drawings: Provide reduced copies of each plan printed on 11 x 17 pages and insert them after the Project Summary page. Also provide a CD/DVD in the back of each binder containing Record Drawing files in both Adobe PDF and AutoCAD Release 2018 format. AutoCAD drawings shall be delivered as stand-alone without X-references. If Drawing originally had X-references, Bind them using the Insert option and do not explode inserted block. The Architect shall also provide the AutoCAD Plot Style (CTB file) used for the drawings along with any and all images used within the drawings.
3. Table of Contents: Provide a Table of Contents(TOC) for the binder and place behind the reduced plans. If multiple binders are necessary, include a TOC for the entire submission, then a TOC for the individual binder. TOC should be a listing of all products or systems and the 6 required components below each.
4. Product/System Components: Provide the following information for each product and/or system. Provide additional requirements as specified in individual product specification sections.
 - a. OVERVIEW and INFORMATION:
 - i. Equipment Register: equipment description, model number(s), date of installation, installer w/contact info, supplier w/contact info, manufacturer w/contact info, warranty date, warranty details, estimated life / useful life.
 - ii. Description of Complete Installation: A general description of the installation to provide a general understanding of the equipment and its operation.
 - iii. Specific System Description: A technical description of each system of the installation, written to ensure it can be clearly understood by persons not familiar with the installation.
 - iv. Performance Data: Technically description of the mode of operation of each system provided. This section provides functionality details.
 - v. When applicable, include charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
 - b. OPERATIONS:
 - i. Manufacturers' technical literature as appropriate. For other than common accessories, where no manufacturer literature is available, provide a precise and concise description of the operation procedure in plain English.
 - ii. Safe start-up, break-in, routine operation, shut-down, and emergency operations for the equipment installed including a logical step-by-step

sequence of instructions for each procedure. Include summer, winter and special operating instructions.

- iii. List of all limiting conditions for equipment.
- iv. Control Sequence and flow diagrams for the system installed.
- v. A legend for color-coded services. A legend of the symbols used on the drawings, unless included on the drawings.
- vi. Schedules of the parameter settings of each protective device, including fixed and adjustable circuit breakers, protective relays, adjustable photoelectric switches, pressure switches, and any other control and monitoring device, as established during commissioning and maintenance.

c. MAINTENANCE

- i. Emergency procedures, including telephone numbers for emergency services, and procedures for fault-finding.
- ii. Manufacturers' technical literature, as appropriate. Include original manufacturers' parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- iii. Detailed recommendations for the frequency of performance of routine maintenance tasks
- iv. List of procedures and tasks associated with preventative (routine) maintenance.
- v. Procedures for safe trouble shooting, disassembly, repair and reassembly, cleaning, alignment, inspection and adjustment, including a logical step-by-step sequence of instructions for each procedure.
- vi. Include summer, winter and special maintenance instructions.
- vii. Maintenance Schedule: schedule of the frequency of the required or recommended maintenance, testing and inspection for each type of equipment. The schedule is to include weekly and monthly attendance times.
- viii. Installation and dismantling instructions: Instructions for the proper installation and dismantling of the equipment.
- ix. Spares and Consumables:
 - 1. Schedule of spares (including bearings) with an expected operating life less than 40,000 hours. Include expected replacement frequency, item label manufacturer name, address, and telephone number, catalogue number name and address of local distributor.
 - 2. Schedule of Consumable Items (oil, grease, belts, bearings) to be used during servicing.
 - 3. Furnish spare parts, consumable items, and extra products in quantities specified in individual specification sections and/or as recommended by manufacturer or requested by Owner. Deliver to project site and place in location as directed by Owner; *obtain receipt before final payment.*

d. TECHNICAL DATA

- i. Manufacturers' technical literature assembled specifically for the project and **excluding irrelevant matter.**
- ii. Each product data sheet marked to clearly identify the specific products and components used in the installation and the data applicable. Additional instructions and illustrations, as required, to identify and changes to the

- manufacturers' data or to illustrate the function of each component in the installation.
 - iii. Provide performance curves and engineering data
 - iv. Include control diagrams by controls manufacturer as installed.
 - v. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.
 - vi. Shop drawings when provided
- e. WARRANTIES
 - i. Provide originals of Manufacturers' warranties and bonds executed in duplicate by responsible subcontractors, suppliers, and manufacturers, within ten days after completion of applicable item of work
 - ii. All Guarantees
 - iii. Certificates of compliance for all electrical and plumbing works, where applicable.
 - iv. If installation is not by the manufacturer, and product warranty is conditional on the manufacturer's approval of the installer, submit the manufacturer's approval of the installing firm.
- f. COMMISSIONING REPORTS
 - i. Air and water balance reports
 - ii. Include test and balancing reports as specified in Section 01 91 00.
 - iii. Records of test results
 - iv. Records of Commissioning Data

3.08 PRODUCT WARRANTIES AND PRODUCT BONDS

- A. Execute and assemble transferable warranty documents and bonds from subcontractors, suppliers, and manufacturers.
- B. Verify documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required.
- D. Submit before final Application for Payment.
- E. Time of Submittals:
 - 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within ten days after acceptance.
 - 2. Make other submittals within ten days after Date of Substantial Completion, before final Application for Payment.
 - 3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within ten days after acceptance, listing date of acceptance as beginning of warranty or bond period.

END OF SECTION 01 00 00

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE (Read instructions on page two prior to initiating this form.)	DATE:	TRANSMITTAL NO
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SECTION I – REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor.)

TO:	FROM:	DFE PROJECT NUMBER	CHECK ONE: <input type="checkbox"/> THIS IS A NEW SUBMITTAL <input type="checkbox"/> THIS IS A RESUBMITTAL OF TRANSMITTAL NO. _____
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SPECIFICATION SEC NO. (Cover only one section with each transmittal)	PROJECT TITLE AND LOCATION:
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ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT., CURVE DRAWING OR BROCIURE NO.	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		FOR CONTR- ACTOR USE CODE	VARIATION (See instr. #6)	FOR DFE USE CODE
				SPEC PARA NO.	DRAWING SHEET NO.			
a.	b.	c.	d.	e.	f.	g.	h.	i.
							<input type="checkbox"/>	
							<input type="checkbox"/>	
							<input type="checkbox"/>	
							<input type="checkbox"/>	
							<input type="checkbox"/>	
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REMARKS	I certify that the above submitted items have been reviewed in detail and are correct and in strict compliance with the contract drawings and specifications except as otherwise stated. _____ SIGNATURE OF THE CONTRACTOR NAME:
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SECTION II – APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)	NAME, TITLE OF APPROVING AUTHORITY	DATE
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INSTRUCTIONS

1. Section I will be initiated by the Contractor in the required number of copies.
2. Each transmittal shall be numbered consecutively in the space provided for "Transmittal No.". This number, in addition to the DFE Project Number, will form a serial number for identifying each submittal. For example: 23SR10-470-D-T1
3. For new submittals or resubmittals mark the appropriate box; on resubmittals, insert transmittal number of last submission as well as the new submittal number.
4. Submittals requiring expeditious handling will be submitted on a separate form.
5. A separate transmittal form will be used for submittals under separate sections of the specifications.
6. A check shall be placed in the "Variation" column (Section I, Column h) when a submittal is not in accordance with the plans and specifications. Also, a written statement to that effect shall be included in the space provided for "Remarks".
7. The form is a self-transmittal, i.e. letter of transmittal is not required.
8. When a sample of material or Manufacturer's Certificate of Compliance is transmitted, indicate "Sample" or "Certificate" in Section I, Column c.
9. Directorate of Facilities Engineering approving authority will assign action codes as indicated below in space provided in Section I, Column i to each item submitted. In addition, they will ensure enclosures are indicated and attached to the form prior to return to the Contractor. The Contractor will assign action codes as indicated below in Section I, Column g to each item submitted.

THE FOLLOWING ACTION CODES ARE GIVEN TO ITEMS SUBMITTED

A – Approved as submitted

B – Approved, except as noted on drawings

C – Approved, except as noted on drawings.

Refer to attached sheet resubmission required.

D – Will be returned by separate correspondence.

E – Disapproved (See Attached)

F – Receipt acknowledged.

FX – Receipt acknowledged, does not comply as noted with contract requirements.

G – Other (Specify)

10. Approval of items does not relieve the Contractor from complying with all the requirements of the contract plans and specifications