

HARRIMAN

ADDENDUM

Date November 21, 2018
To Prospective Bidders
Re Addendum No. 2 to the Construction Documents for:

Dorothea Dix
Building K Ventilation Upgrades
Bangor, Maine
Project No. 18421

This Addendum forms a part of the Contract Documents and modifies the original Construction Documents dated November 2, 2018 and Addendum No. 1 dated November 13, 2018. Acknowledge receipt of this Addendum in the space provided in the Bid Form.

This Addendum consists of four pages, Section 007346 and SKA1.

Harriman

John W. Tarr, P.E.
Principal

46 HARRIMAN DRIVE
AUBURN, ME 04210
207.784.5100

123 MIDDLE STREET
PORTLAND, ME 04101
207.775.0053

33 JEWELL COURT, SUITE 101
PORTSMOUTH, NH 03801
603.626.1242

170 MILK STREET, SUITE 5
BOSTON, MA 02109-3438
617.426.5050

www.harriman.com

CONTRACTOR PRE-BID QUESTIONS

- Q1. Are the existing beams in the ceiling of Bldg K 4th floor covered with gypsum board or some other material where the new steel will be added?
- A1. The existing drawings indicate that the existing beams are incased in concrete poured integrally with the floor slab. Contractor to refer to General Framing Notes B4/S60.1-Miscellaneous-Note 1: "contractor shall verify all dimensions and existing conditions before proceeding with the work".
- Q2. Will a State of Maine Wage Determination be issued by Addenda per Section 002113, page 2 of 2, paragraph 3.2?
- A2. Issued with this addendum.
- Q3. According to the General Conditions, Section 007213, paragraph 9.4.2 for Renovations and additions to existing State-owned buildings insured by the State of Maine Risk Management Division, Builders Risk insurance will be provided by the State of Maine. Please verify that the State of Maine will provide Builder's Risk insurance.
- A3. As specified, a Builder's Risk certificate of insurance will be furnished to the Contractor upon request.
- Q4. Dwg. S60.1, Detail A2, TYP. BEAM TO WALL CONNECTION. Please provide a section showing the components of the Existing Walls (Plaster, lathing, Concrete, brick?)
- A4. The existing drawings indicate that the existing exterior walls are of multi-wythe brick construction. Contractor to refer to General Framing Notes B4/S60.1-Miscellaneous-Note 1: "contractor shall verify all dimensions and existing conditions before proceeding with the work".
- Q5. Drawing S60.1, Detail A3, TYP. SLAB OPENING DETAIL, shows a C4x5.4 continuous around openings. Will the C4x5.4 Channel be welded at all four corners to each piece of Channel to make a collar?
- A5. Welding of C4 x 5.4 channel corners together is not required.
- Q6. Drawing S60.1, Detail A4, BEAM TO COLUMN CONNECTION. What is the Top of Steel (TOS) Elevation of the W12x35? (See attached Detail A4/S60.1)
- A6. Bottom of W12 x 35 to be 12 inches "clear" above the top of the existing roof elevation.
- Q7. Drawing S60.1, Detail A4, BEAM TO COLUMN CONNECTION. What is the Bottom of Steel Plate Elevation (BOSP) Elevation of the HSS 4x4x1/4 column? (See attached Detail A4/S60.1)
- A7. Field verify per General Framing Notes B4.S60.1-Miscellaneous-Note 1: "contractor shall verify all dimensions and existing conditions before proceeding with the work".
- Q8. Drawing S60.1, Detail A4, BEAM TO COLUMN CONNECTION. What does the base plate detail look like for the Plate at the bottom of the HSS 4x4x1/4 column? (See attached Detail A4/S60.1)
- A8. Provide a plate 6 x1/4 x 6 inches long welded all around to existing beam.
- Q9. Dwg. M30.1, Details 1, 2 & 3 show two (2) Elevations but they are written over and unclear. What are the two (2) Elevations?
- A9. The two dimensions are: roof top of steel at 46'-0" and 4th floor top of steel at 34'-0".
- Q10. Dwg. M30.1 shows a section of the roof slab. Is the roof slab made of the same material as the floor slabs? Is the floor slab 8 inches thick?
- A10. The floor slabs are 4" of reinforced concrete and the roof slab also includes a 4" reinforced concrete slab. However, there is also cinder concrete applied over the roof slabs and the cinder concrete is pitched so the elevation varies. Contractor to refer to General Framing Notes B4/S60.1-Miscellaneous-Note 1: "contractor shall verify all dimensions and existing conditions before proceeding with the work".

- Q11. During the Pre-Bid meeting it was mentioned that the new duct running along Column L, near the ceiling of the 4th floor, was passing through two room walls. It was suggested that the ductwork be relocated into the hallway so that it only has to pass through one wall. Please provide a revised ductwork layout.
- A11. As discussed in a phone conversation following the issue of RFI Log #1, the Contractor prefers to leave the duct run as shown on the plans.
- Q12. Drawing S60.1, Structural Steel Note 4 says, "Connections shall be designed by the steel fabricator." Will these connection designs need to be signed and sealed by a Maine PE?
- A12. Delete Structural Steel Note 4 on drawing S60.1.
- Q13. Drawing S60.1, Structural Steel Note 4 says, "Connections shall be designed by the steel fabricator." Will the connection calcs need to be reviewed by the Engineer of Record (EOR)?
- A13. Delete Structural Steel Note 4 on drawing S60.1.
- Q14. Drawing S60.1, Structural Steel Note 4 says, "Connections shall be designed by the steel fabricator." Will the EOR be supplying any design loads for these connections?
- A14. Delete Structural Steel Note 4 on drawing S60.1.
- Q15. There are no Structural Steel Specifications for this project. Will you be providing Structural Steel specifications?
- A15. Structural steel specifications will not be provided.
- Q16. There are no Structural Steel Specifications for this project. Is the structural Steel to be shop primed?
- A16. All exterior steel including connection plates and bolts shall be hot dipped galvanized.
- Q17. Drawing M30.1, Details 1, 2, & 3 show a 20" x 24" supply and exhaust ductwork penetrating the fourth-floor roof to the roof top outdoor EVR-1 unit. But there is no detail for the curb around the ductwork. Please provide a detail for the roof top curbs through the existing EPDM roof.
- A17. Refer to SKA1 issued with this addendum.
- Q18. Dwg. A10.1 does not show any duct chases for the fourth floor. Does this mean that all of the new vertical and horizontal duct is exposed on the fourth floor?
- A18. Yes, all of the new vertical and horizontal duct is exposed on the fourth floor.
- Q19. Detail A3 on Dwg S60.1 shows C4x5.4 channel continuous around all concrete floor openings. Is there also channel around the two roof openings? If so, what size is it?
- A19. Yes, the roof and floor construction per the existing drawings is a 4" concrete slab. Contractor to refer to General Framing Notes B4/S60.1-Miscellaneous-Note 1: "contractor shall verify all dimensions and existing conditions before proceeding with the work".
- Q20. Is there currently a warranty on the Building K roof, and if so who is the Contractor to use?
- A20. There is no current warranty on the Building K roof.

CHANGES TO BIDDING DOCUMENTS

1. SECTION 00 73 46 - WAGE DETERMINATION SCHEDULE
 - a. Issued with this addendum.

CHANGES TO DRAWINGS

1. DRAWING M10.1 - FIRST FLOOR DUCTWORK
 - a. Add the following note: "Scope of work including ductwork, grilles, and accessories for AC1-3 shall be priced under Alternate #1."

2. DRAWING M10.2 - SECOND FLOOR DUCTWORK
 - a. Add the following note: "Scope of work including ductwork, grilles and accessories for AC2-3 shall be priced under Alternate #1."

3. DRAWING M10.3 - THIRD FLOOR DUCTWORK
 - a. Add the following note: "Scope of work including ductwork, grilles and accessories for AC3-4 and AC3-5 shall be priced under Alternate #1."

4. DRAWING M20.4 - FOURTH FLOOR PIPING
 - a. Add the following note: "For clarification, glycol HWS & HWR piping shall connect to existing risers located across from where they are shown on the plan at column line 4.5."

DRAWINGS ISSUED WITH THIS ADDENDUM

1. SKA1 - ROOF CURB DETAIL

00 73 46
Wage Determination Schedule

PART 1- GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specifications Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the wage determination requirements for Contractors as issued by the State of Maine Department of Labor Bureau of Labor Standards or the United States Department of Labor.

1.3 REQUIREMENTS

- A. Conform to the wage determination schedule for this project which is shown on the following page.

PART 2 - PRODUCTS (not used)

PART 3 - EXECUTION (not used)

00 73 46
Wage Determination Schedule

THIS DOCUMENT MUST BE CLEARLY POSTED AT THE PERTAINING STATE FUNDED PREVAILING WAGE CONSTRUCTION SITE

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Augusta, Maine 04333-0045
 Telephone (207) 623-7906

Wage Determination - In accordance with 26 MRSA §1301 et. seq., this is a determination by the Bureau of Labor Standards, of the fair minimum wage rate to be paid to laborers and workers employed on the below titled project.

Title of Project -----Building K Ventilation Upgrades

Location of Project --Bangor, Penobscot County

**2018 Fair Minimum Wage Rates
 Building 2 Penobscot County
 (other than 1 or 2 family homes)**

Occupation Title	Minimum			Occupation Title	Minimum		
	Wage	Benefit	Total		Wage	Benefit	Total
Asbestos/Lead Removal Worker	\$13.00	\$0.42	\$13.42	Ironworker - Ornamental	\$22.85	\$4.85	\$27.70
Backhoe Loader Operator	\$20.00	\$2.16	\$22.16	Ironworker - Reinforcing	\$24.79	\$10.60	\$35.39
Boom Truck (Truck Crane) Operator	\$21.66	\$6.86	\$28.52	Ironworker - Structural	\$20.50	\$3.98	\$24.48
Bricklayer	\$24.00	\$3.43	\$27.43	Laborers (Helper & Tenders)	\$13.79	\$0.60	\$14.39
Bulldozer Operator	\$20.00	\$4.06	\$24.06	Laborer - Skilled	\$16.75	\$2.14	\$18.89
Carpenter	\$19.23	\$2.43	\$21.66	Line Erector Power/Cable Splicer	\$26.00	\$7.59	\$33.59
Carpenter - Acoustical	\$18.00	\$3.49	\$21.49	Loader Operator - Front-End	\$19.13	\$2.95	\$22.08
Carpenter - Rough	\$19.50	\$2.76	\$22.26	Mechanic - Maintenance	\$24.00	\$3.77	\$27.77
Cement Mason/Finisher	\$17.00	\$2.70	\$19.70	Mechanic - Refrigeration	\$25.00	\$4.71	\$29.71
Communication Equip Installer	\$22.00	\$3.07	\$25.07	Millwright	\$26.00	\$11.58	\$37.58
Comm Transmission Erector-Microwave & Cell	\$17.00	\$0.00	\$17.00	Oil/Fuel Burner Serv/Instlr(Lic)	\$26.50	\$2.19	\$28.69
Crane Operator =>15 Tons)	\$25.13	\$6.44	\$31.57	Painter	\$17.00	\$0.00	\$17.00
Driller - Rock	\$18.38	\$2.60	\$20.98	Pipe/Steam/Sprinkler Fitter	\$22.50	\$3.51	\$26.01
Dry-Wall Applicator	\$19.77	\$0.00	\$19.77	Pipelayer	\$28.00	\$12.54	\$40.54
Dry-Wall Taper & Finisher	\$21.00	\$0.00	\$21.00	Plumber (Licensed)	\$23.00	\$3.58	\$26.58
Electrician - Licensed	\$25.50	\$4.43	\$29.93	Plumber Helper/Trainee (Lic)	\$19.00	\$3.26	\$22.26
Electrician Helper/Cable Puller	\$15.37	\$2.89	\$18.26	Propane/Natural Gas Serv/ Inst	\$26.55	\$1.93	\$28.48
Elevator Constructor/Installer	\$57.50	\$24.42	\$81.92	Rigger	\$20.00	\$6.12	\$26.12
Excavator Operator	\$21.00	\$2.06	\$23.06	Roofer	\$15.00	\$1.18	\$16.18
Fence Setter	\$16.00	\$1.17	\$17.17	Sheet Metal Worker	\$19.25	\$5.25	\$24.50
Flagger	\$12.00	\$0.00	\$12.00	Stone Mason	\$20.00	\$0.00	\$20.00
Floor Layer	\$19.00	\$3.72	\$22.72	Tile Setter	\$22.00	\$4.17	\$26.17
Furniture Installer/Assembler	\$16.00	\$1.24	\$17.24	Truck Driver - Light	\$18.15	\$2.88	\$21.03
Glazier	\$16.00	\$1.44	\$17.44	Truck Driver - Medium	\$17.75	\$1.82	\$19.57
Highway Worker/Guardrail Installer	\$16.75	\$0.80	\$17.55	Truck Driver - Heavy	\$16.75	\$1.16	\$17.91
HVAC	\$23.51	\$2.48	\$25.99	Truck Driver - Tractor Trailer	\$17.50	\$2.42	\$19.92
Insulation Installer	\$19.75	\$2.50	\$22.25				

The Laborer classifications include a wide range of work duties. Therefore, if any specific occupation to be employed on this project is not listed in this determination, call the Bureau of Labor Standards at the above number for further clarification.

Welders are classified in the trade to which the welding is incidental.

Apprentices - The minimum wage rate for registered apprentices are those set forth in the standards and policies of the Maine State Apprenticeship and Training Council for approved apprenticeship programs.

Posting of Schedule - Posting of this schedule is required in accordance with 26 MRSA §1301 et. seq., by any contractor holding a State contract for construction valued at \$50,000 or more and any subcontractors to such a contractor.

Appeal - Any person affected by the determination of these rates may appeal to the Commissioner of Labor by filing a written notice with the Commissioner stating the specific grounds of the objection within ten (10) days from the filing of these rates.

Determination No: B2-074-2018
Filing Date: November 20, 2018

A true copy

Attest: Scott R. Cotnoir
 Scott R. Cotnoir
 Wage & Hour Director
 Bureau of Labor Standards

Expiration Date: 12-31-2018

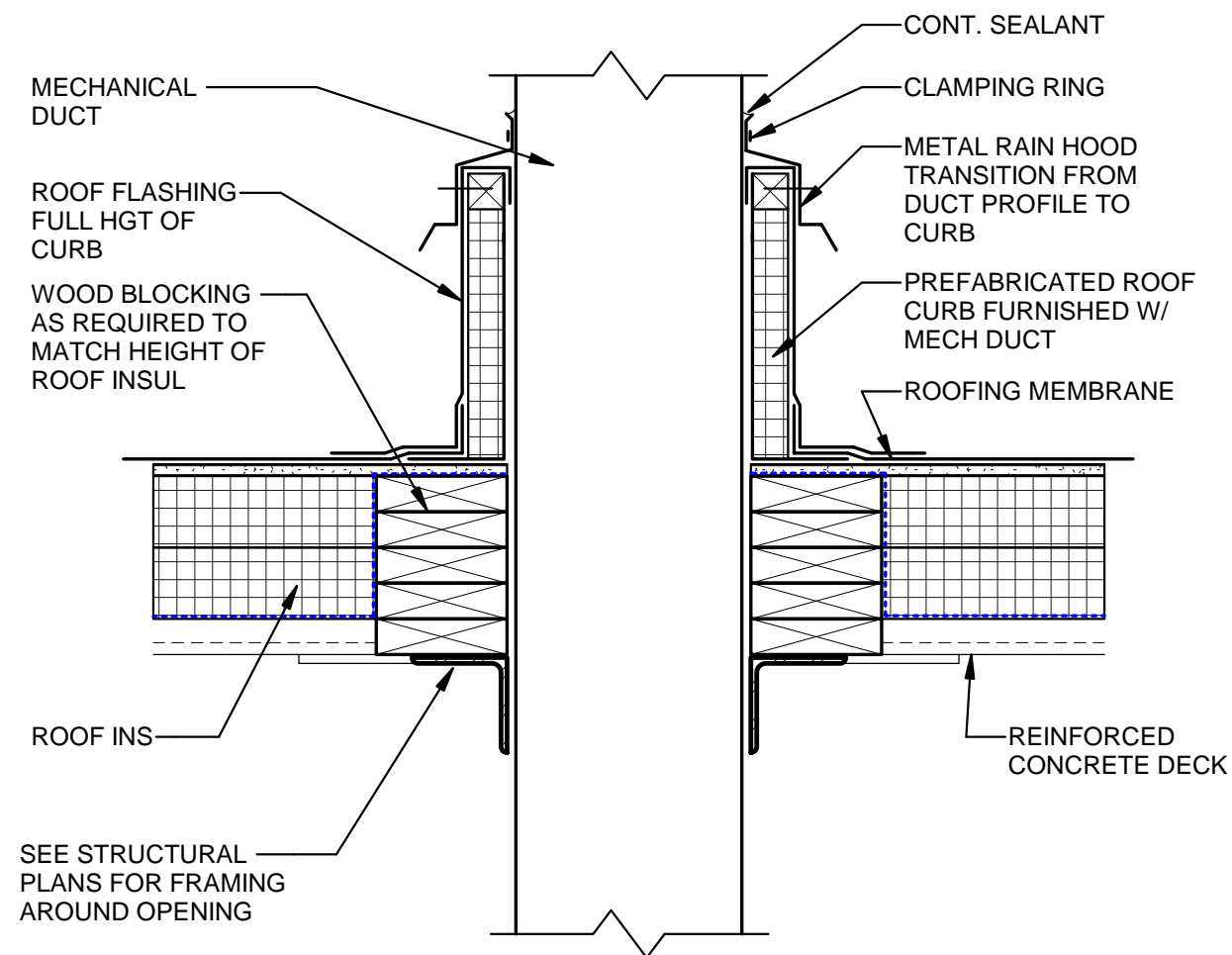
BLS 424BU (R2012) (Building 2 Penobscot)

End of Section 00 73 46

**DOROTHEA DIX
 BUILDING K
 VENTILATION UPGRADES**

BANGOR, MAINE

HA Project No.	18421
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1 **TYPICAL ROOF DUCT PENETRATION DETAIL**
 NO SCALE

Date	11-21-18
Scale	NOT TO SCALE

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ROOF CURB DETAIL

SKA1