

**ACTIVITY AND ADMINISTRATION BUILDING ALTERATIONS
CORRECTIONS TRAINING ACADEMY
OHIO DEPARTMENT OF YOUTH SERVICES**

ADDENDUM #1 December 18, 2012

To the Drawings and Specifications for: Activity and Administration Building Alterations
Corrections Training Academy
Orient, Ohio

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TO ALL BIDDERS:

This addendum, issued prior to receipt of bids, is intended to provide additional information and is to modify the original project manual and drawings.

This addendum is to be attached to the project manual(s) in your possession.

This addendum hereby becomes part of the contract documents and shall be taken into account in preparing the bid. Bidders shall review changes to all portions of the work, as changes to one portion may affect the work of another.

SPECIFICATIONS

- Item 1. Replace previous Section 230593 with new Section 230593 attached to this Addenda.

- Item 2. Within Section 00 10 00 Solicitation (General Contract), Revise the General Contract Estimate to \$245,000.00 and Revise the Alternate 1 Estimate to \$ 10,000.00. Bids will be received until Friday, January 25, 2013 at 2:00 PM at The Ohio Department of Youth Services, 30 West Spring Street, 5th Floor, Columbus, Ohio 43215, when all Bids will be opened and read aloud.

- Item 3. Within Section 00 10 00 Solicitation (General Contract), The Pre-Bid Meeting is scheduled for Friday, January 11, 2013 at 10:00 AM at the project site.

- Item 4. Within Section 00 10 00 Solicitation (General Contract), The Contract Documents are available for purchase from Robert E. Euans, Architects, Inc. 6770 Lauffer Road, Columbus, Ohio 43231-1676, Telephone: (614) 882-3657, Facsimile: (614) 882-3994, Contact: Bob Euans, E-Mail: researchinc@aol.com, at the non-refundable cost of \$ 85.00 per set, including shipping.

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- Item 5. Within Section 00 10 00 Solicitation (General Contract), The Contract Documents may be reviewed for bidding purposes without charge during business hours at the offices of the A/E, the office of The Ohio Department of Youth Services, 30, West Spring Street, 5th Floor, Columbus, Ohio 43215, and at the locations listed within the originally issued Section 00 10 00.

END OF ADDENDA

SECTION 230593 - TESTING, ADJUSTING, AND BALANCING FOR HVAC

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:

- 1. Balancing Air Systems:
 - a. Air handling unit AH-3 and associated air devices.
 - b. Exhaust fan EF-3 and associated air devices.
- 2. Balancing Hydronic Piping Systems:
 - a. Air handling unit AH-3 hot water coil.

- B. Air and water balancing of the new systems affected by the new work shall be performed as a part of the HVAC Contract. Balancing work shall be performed by qualified personnel of the HVAC Contractor, subject to the approval of the Engineer upon review of submitted qualifications.

- C. Methods, procedures, equipment, certifications, report forms and reporting information shall be in accordance with the standards of industry practice.

1.3 INFORMATIONAL SUBMITTALS

- A. Certified TAB reports.
- B. Sample report forms.
- C. Instrument calibration reports, to include the following:
 - 1. Instrument type and make.
 - 2. Serial number.
 - 3. Application.
 - 4. Dates of use.
 - 5. Dates of calibration.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 AIR BALANCE

- A. Air handling unit AH-3, supply air, return air, outside air and mixed air, when installation is completed, including the installation of clean filters, shall be set in operation for balancing. The replacement air handling units shall be balanced to the capacities shown on the drawings. The air balance work consists of balancing the unit and associated branch ductwork, air devices, etc.
- B. Exhaust fan EF-3 shall be balanced to the capacities shown on the drawing.
- C. Total air quantities of the supply fan shall be determined by pilot tube traverse.
- D. The report shall include, but not be limited to, both actual and design fan cfm, rpm, brake HP, entering and leaving static pressures, motor data, voltage and amperage and drive information.

3.2 WATER BALANCE

- A. Air handling unit AH-3 water coil shall be determined by pressure differential gauging or direct reading. Flows shall be balanced to quantities listed on the drawings within plus or minus 10%. The water balance shall consist of balancing the air handling unit AH-3 water coil and does not include water mains, pumps, etc.

3.3 COMPLETION

- A. After completion of the balancing work, a full report shall be prepared in pencil and two (2) copies (only) submitted to the Engineer for preliminary review. After review, additional balancing, adjustments, readings and recordings deemed necessary shall be done and the report revised. Six (6) typed copies of the final report shall be submitted thru the HVAC Contractor to the Engineer for review and approval. An approved copy of the report shall be included in each set of operating and maintenance manuals.

END OF SECTION 230593