

**ADDENDUM NO. 2 TO THE CONTRACT
for the
HAINES BOROUGH
VOCATIONAL EDUCATION BUILDING UPGRADE**

ADDENDUM NO.: Two

CURRENT BID OPENING DATE:

April 9, 2015
10:00 a.m. Local Time

PREVIOUS ADDENDA: One

PREVIOUS BID OPENING DATE:

April 7, 2015
2:00 p.m. Local Time

ISSUED BY: Haines Borough
103 Third Avenue
Haines, Alaska 99827

DATE ADDENDUM ISSUED: April 2, 2015

The following items of the Contract are modified as herein indicated. All other items remain the same.

ITEM #1. Revise the Bid Submission Deadline to April 9, 2015, 10:00 am.

SPECIFICATIONS

232500 HVAC WATER TREATMENT 2.1.B. Change 30 gallons to 36 gallons. Add at the end of paragraph, "Provide a spare 20 gallons of anti-freeze."

237313 AIR-HANDLING UNITS 2.2.B.3. Delete "Maximum coil velocity 400 fpm".

237313 AIR-HANDLING UNITS 2.2.B.4. Delete "Face and bypass damper section".

237313 AIR-HANDLING UNITS 2.4 CASING CONSTRUCTION F. 1. Add to end of sentence: "2-inch thick casing."

237313 AIR-HANDLING UNITS 2.4 CASING CONSTRUCTION F. 3. Add to end of sentence: "Constructed of G90 galvanized steel."

237313 AIR-HANDLING UNITS 2.4 CASING CONSTRUCTION J. 1. Change "12 R" to "R-13".

237313 AIR-HANDLING UNITS 2.3 FAN SECTION A. Delete the last sentence "Refer to Section 233416."

237313 AIR-HANDLING UNITS 2.4 FANS A. Delete "double width, double inlet."

237313 AIR-HANDLING UNITS 2.5 BEARINGS AND DRIVES Delete Paragraphs C. & D. Add Paragraph C. as follows:

C. The fan wheel shall be direct coupled to the motor shaft. The wheel width shall be determined by the motor speed and fan performance characteristics.

237313 AIR-HANDLING UNITS 2.6 COILS E. Replace paragraph with following:

- E. Hot Water Heating Coil:
1. Design Manufacturer: Daikin Model 5WS0802B.
 2. Rows: 2.
 3. Capacity: Nominal 430,000 Btu/hr.
 4. Entering Air Temperature: -5F.
 5. Leaving Air Temperature: 60F.
 6. Air Static Pressure Drop Max: 0.22 inches.
 7. Water Flow Rate: Nominal 30 gpm.
 8. Entering Water Temperature: 180F.
 9. Leaving Water Temperature: 150F.
 10. Water Pressure Drop Max: 1.5 feet head.
 11. Water Mix: 40% propylene glycol.

237313 AIR-HANDLING UNITS 2.8 FILTERS C. Change “washable permanent panel filters” to “throwaway filters”.

237313 AIR-HANDLING UNITS; 2.9 DAMPERS. Delete this section. Dampers are specified under 233300 2.8.

237313 AIR-HANDLING UNITS 3.2 SCHEDULES A. 1. Change Sound Power numbers as follows:

- a. Fan Discharge: 2) 77, 3) 83, 4) 81, 5) 82, 6) 78
- b. Casing Radiated: 1) 64 2) 66, 3) 78, 5) 60

233300 AIR DUCT ACCESSORIES 2.2 FIRE DAMPERS. E. Delete “120 volts, single phase, 60hz”.

233300 AIR DUCT ACCESSORIES 2.7 WELDING BOTH STATION; Delete the 2.7 section entirely and replace with:

2.7 WELDING BOTH STATION

A. Manufacturers:

1. Avani Environmental www.avanienviromental.com Model WB-5044.
2. Substitutions: See Division 1.

B. Dimensions:

1. Internal: 48” W x 48” D x 86” H
2. External: 55” W x 48” D x 96” H at Unit Top and 102” at Rear Frame

C. Construction:

1. Panel Steel: 12-gauge; double-wall welded steel with cross and up bracing
2. 5-Piece Construction: (2) Side Panels, (1) Back Panel (1) Backdraft Assembly and (1) Overhead Hood draft Assembly with Lighting
3. Support Structure: 1.5” x 4” Steel Stock Welded
4. Rear Support: (2) 12” x 19” 30 degree gussets for overhead piping and accessories
5. Rear Panel Work Shelf; 3-Position, Adjustable
6. Top panel Lifting Lugs
7. Adjustable Feet at all corners
8. CO2 Bracket

9. Welding Curtain Assembly for Grommetted 1-Ply Curtain; (Curtain is not included)
- D. Slotted Backdraft Hood (Rear Panel):
 1. Dimensions: 39.9" W/L x 35.9" H x 9.2" D
 2. Backdraft Slot Dimensions: Qty-3, 1" W x 32.8" L; Manually Adjustable
 3. Backdraft hood to be fitted with a clean-out drawer; 36.9" W/L x 6" H
- E. Slotted Overhead Hood (Top Panel):
 1. Hood Dimensions: 48" x 48" x 8.5" D
 2. Hood Service Panel Dimensions: 24.4" W x 15.7" H
 3. Hood Slot Dimensions: Qty-2, 1" W x 32.2" L; Manually Adjustable
- F. Fume Arm Connections: Qty-2 connections for 5-Inch diameter hanging fume arms; cover plates provided
- G. Fume Arm; 5-Inch Dia. hanging fume arm
 1. Arm Base: Cast aluminum or steel; 360 Degree Rotation with safety stop
 2. Arm Support: Heavy Duty, External Telescoping Spring Assembly with Aluminum Protective Cover
 3. Service Access: All parts are to be externally accessible; no internal parts requiring adjustment
 4. Tube: 2-pieces, 25-gauge, steel tube; external powder coat; lower tube to have 2 grab handles
 5. Damper: Arm to be fitted with a manual damper with handle for air flow adjustment and cut-off
 6. Flex Hose: 3 sections of hose rated for weld smoke collection; hose to have a wire-support helix and minimum 200 Deg F temperature rating.
 7. Flex Joints: Cast aluminum for the base and center joints; steel positioning assembly for the hood
 8. Hood: Aluminum; Powder coated, 13-inch diameter with 360-degree (circular) steel ring handle
 9. Hood Positioning: No restrictions to the positioning of the hood; hood can be turned perpendicular to the arm.
- H. Lighting: Qty-1 Explosion proof fluorescent light with light switch and lighting conduit for wiring
- I. Electrical Outlets: Qty-2 110V (15 Amp) Duplex Outlets
- J. Fume Arm Connections: Qty-2 connections for 5-Inch diameter hanging fume arms; cover plates
Welding Curtain use a 5' W x 5' H, 1-piece, vinyl curtain
- K. Booths can be mounted back-to-back, side-to-side or both options

DRAWINGS

Sheet M001: Delete the HEATING COIL SCHEDULE. Heating coil is specified under section 237313 2.6.

Sheet M001: FAN SCHEDULE; EF-1, EF-2, EF-3: Delete "SPARK B CONSTRUCTION".

Sheet M001: FAN SCHEDULE; SF-1: Delete "EXPLOSION PROOF".

Sheet M001: SYMBOLS: Add SD in a box and label as SMOKE DETECTOR.

Addendum No. 2

April 2, 2015

Haines Borough Vocational Education Building Upgrade

Sheet M102: Detail 1 and 2; After the note "MIXED AIR PLENUM" add the following: "- FABRICATED AND INSULATED, 18 INCHES LONG AND WIDTH AND HEIGHT OF AHU". Note addition occurs in two locations.

Sheet E201: Provide circuiting for lighting in the three new welding booths from Panel B with a 1/2" conduit, two No. 12 conductors, one No. 12 grounding conductor, and a 20/1 circuit breaker.

Sheet E202: Terminate 12 strands of the existing fiber optic cable in a new fiber patch panel in the existing data rack.

By: Krista Kielsmeier

Krista Kielsmeier, Deputy Clerk

Total number of pages contained within this Addendum: 4