

SCOPE OF WORK
PROJECT WR4655507
UPGRADE HVAC VAV CONTROLS IN FRONT OFFICE, BLDG 163

1. PROJECT DISCRIPTION: Bldg 163, the Facilities/ROICC Building, is a 25,000 SF administrative building constructed in 1944 as the civilian cafeteria. The Front Office area (2725 SF) is located on the east end of the building facing Curtis Road. The front office HVAC system consists of one rooftop air conditioner coupled with seven variable air volume (VAV) terminal units controlling temperature in seven zones (6 private offices and one conference room). The corridors and the copier room are not zone controlled. This leads to an over-abundance of cooling for the copier room, while the adjacent conference room is frequently starved for cooling. This lack of system balance wastes energy and leaves the occupants uncomfortable.

This project includes replacing three existing VAV boxes, updating controls, and performing an airside test, adjust, and balance (TAB).

2. GENERAL CONTRACT REQUIREMENTS:

a. The work location is Building 163, at the corner of Curtis Road and 2nd Avenue, MCAS Cherry Point NC. The contractor is responsible for an on-site inspection of the work area to verify work required. Work shall commence upon award of contract with all work completed within 90 days of notice to proceed. Work includes providing all labor, supervision, tools, equipment, materials, and transportation needed for completion of the project. The Contractor shall submit manufacturer's product data and installation instructions for each material and product used to include all items listed in Para 3.b and 3.c below to the Contracting Officer for Facilities Engineering approval prior to ordering material.

b. Phased Construction Schedule:

(1) General: Within the overall project schedule, commence and complete the work in phases. Demolition and construction shall proceed in accordance with Para 2.b.2, Phasing Schedule, below. On-site working hours shall be between 1600 hours on Fridays to 0600 hours on Sundays (or as coordinated with the Contracting Officer). The building will not be occupied during these hours. The work shall be done on consecutive weekends until complete. The work shall be phased so that every VAV terminal unit is operational by the end of the weekend work period. Prior to initiating any work, the contractor shall coordinate a final schedule with the Contracting Officer. Every effort shall be made to minimize interruptions to building operations. The Contractor shall be responsible for moving and covering furniture to access work areas. In addition, all equipment shall be on hand prior to start of construction. Any utility outages shall be coordinated a minimum of 15 days in advance with the Contracting Officer with indicated length of required outage. Specific items listed below are major items that will impact Building 163 and are not all-inclusive. Any items later identified, which could impact Building 163 operation, shall be coordinated with the Contracting Officer for order of implementation. The Contractor shall coordinate any changes to the schedule with the Contracting Officer and have approval by the Contracting Officer prior to implementing changes.

(2) Phasing Schedule:

PHASE 1:

1. Mobilize.
2. Provide submittals.
3. Order equipment.

PHASE 2:

1. Remove existing acoustic ceiling.
2. Replace VAV-5. Ensure the new VAV-5 is operational before proceeding to the next unit or securing work for the weekend work period.
3. Replace VAV-6. Ensure the new VAV-6 is operational before proceeding to the next unit or securing work for the weekend work period.
4. Replace VAV-7. Ensure the new VAV-7 is operational before proceeding to the next phase or securing work for the weekend work period.

PHASE 3:

1. Remove existing gypsum board ceiling as needed, and perform other ductwork modifications.
2. Verify operation of bypass duct damper.
3. Perform an air side test, adjust, and balance (TAB) on the entire system (RTU-6 plus all seven VAV terminal units).
4. Install new gypsum board ceiling and acoustic ceiling as indicated.

PHASE 4:

1. Miscellaneous work and general clean up.

c. The Contractor shall perform all work and incorporate the intent of this project as stated. Install equipment not covered in this scope, or in manufacturer's instructions, as recommended by the manufacturer's representative. The removal, installation, and disposal of all material and equipment shall comply with the Unified Facilities Criteria as they apply to this project. All discarded equipment and debris shall become the property of the Contractor and be disposed off Government property by the Contractor at no additional cost to the Government. The Contractor shall be responsible for any damages to Government property during the performance of this contract.

3. SPECIFIC CONTRACT REQUIREMENTS:

a. Demolition:

(1) Do not damage building elements and improvements indicated to remain. Items of salvage value, not included on schedule of salvage items to be returned to Government, shall be removed from structure. Storage or sale of items at project site is prohibited. Existing finishes that are disturbed by demolition work shall be patched to match existing. Demolished materials, unless otherwise noted, shall become the property of the contractor and shall be disposed of in a legal manner on a regular basis.

(2) Do not close or obstruct streets, walks, drives or other occupied or used spaces or facilities without the written permission of the Contracting Officer. Do not interrupt utilities serving occupied or used facilities without the written permission of the Contracting Officer.

If necessary, provide temporary utilities. Cease operations if public safety or remaining structures are endangered. Perform temporary corrective measures until operations can be continued properly. Provide adequate protection against accidental trespassing. Secure project after work hours.

- (3) The Contractor shall demolish the following:
 - (a) Remove existing gypsum board ceiling and acoustic ceiling where indicated on the plans.
 - (b) Remove VAV-5, VAV-6, & VAV-7.
 - (c) Remove existing diffusers, metal duct, and flexible duct where indicated on the plans.

b. Architectural:

- (1) Gypsum Board Ceiling:
 - (a) Install 5/8" Type X gypsum board (ASTM C36 and C1396) directly to the existing light gauge steel framing in accordance with ASTM C840, System VIII or GA 216. Finish to Level 5 per GA 214. Be sure to protect workers, occupants, and the HVAC system from gypsum dust. Paint the new and existing gypsum ceiling in the front office corridor and copier room with an eggshell white paint in accordance with the MPI Painting Manual 9.2B (High Performance Architectural Latex).
 - (b) Materials: National Gypsum "Fire Shield®", CertainTeed "ProRoc®", American Gypsum "FireBloc®", or an approved equal.
- (2) Acoustic Ceiling:
 - (a) Install new white 24" x 24" x 3/4" acoustic ceiling (ASTM E1264 Type III).
 - (b) Materials: Armstrong "Fine Fissured", item number 1810, or an approved equal with sag resistance and anti-microbial treatment.
 - (c) Suspension System: Armstrong "Prelude XL Fire Guard 15/16" Exposed Tee" or an approved equal to meet ASTM C635 Intermediate Duty.

c. Mechanical:

- (1) Variable Air Volume Terminal Units (VAV):
 - (a) Provide Single Duct VAV Terminal Units as specified on the New VAV Terminal Unit Schedule. VAV Terminal Units shall be Johnson Controls model TSS, or an approved equal.
 - (b) VAV Terminal Units shall be provided with a VAV controller that integrates into the existing DDC control system.
- (2) DDC Control System
 - (a) The current item references on the existing VAV terminal units are not correct in the Metasys database. Change these points to be consistent with Cherry Point's standard naming convention. All affected DDC graphics shall be updated.
 - (b) Ensure all affected DDC points for the new VAV terminal units are properly identified and integrated into the Metasys database and linked to the associated DDC graphics.
- (3) Supply Diffusers:

- (a) Provide aluminum supply diffusers with white louvered face and square 4-way pattern with neck sizes shown in the Diffuser Schedule. Diffusers to be Metalaire 5000-6, for use with lay-in T-Bar ceiling, or an approved equal.

- (4) Test and Balance: Contractor shall perform an airside test, adjust, and balance (TAB) at RTU-6 on the supply air, return air, and outside air. RTU-6 settings are as follows:
 - (a) RTHP-1 Supply Air Flow: 800 CFM
 - (b) RTHP-1 Return Air Flow: 695 CFM
 - (c) RTHP-1 Outside Air Flow: 105 CFM
 - (d) VAV-1 Supply Air Flow: 290 CFM
 - (e) VAV-1 Return Air Flow: 260 CFM
 - (f) VAV-2 Supply Air Flow: 290 CFM
 - (g) VAV-2 Return Air Flow: 260 CFM
 - (h) VAV-3 Supply Air Flow: 290 CFM
 - (i) VAV-3 Return Air Flow: 260 CFM
 - (j) VAV-4 Supply Air Flow: 290 CFM
 - (k) VAV-4 Return Air Flow: 260 CFM
 - (l) VAV-5 Supply Air Flow: 1320 CFM
 - (m) VAV-5 Return Air Flow: 1000 CFM
 - (n) VAV-6 Supply Air Flow: 260 CFM
 - (o) VAV-6 Return Air Flow: 220 CFM
 - (p) VAV-7 Supply Air Flow: 460 CFM
 - (q) VAV-7 Return Air Flow: 440 CFM

General Decision Number: NC080055 02/20/2009 NC55

Superseded General Decision Number: NC20070055

State: North Carolina

Construction Type: Building

County: Craven County in North Carolina.

Modification Number	Publication Date
0	02/08/2008
1	03/07/2008
2	06/06/2008
3	01/30/2009
4	02/13/2009
5	02/20/2009

* BOIL0030-001 01/01/2009

	Rates	Fringes
Boilermaker.....	\$ 27.63	13.96

Welder:

Pressure welder: \$.75 per hour additional.

SUNC2000-002 03/21/2000

	Rates	Fringes
Carpenter _(includes drywall hanging)...	\$ 9.82	
Cement mason/concrete finisher.....	\$ 9.75	
Electrician.....	\$ 10.18	
Laborer, general.....	\$ 7.17	
Painter, brush.....	\$ 10.00	
Pipefitter _(includes HVAC piping).....	\$ 13.50	.93
Plumber _(does not include HVAC piping).....	\$ 11.75	.66
Power equipment operators: _Backhoe operator.....	\$ 10.54	
Sheet metal worker _(includes HVAC duct work)...	\$ 11.56	.97
Truck driver.....	\$ 7.88	

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.
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Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates
listed under the identifier do not reflect collectively
bargained wage and fringe benefit rates. Other designations
indicate unions whose rates have been determined to be
prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can
be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on
a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests
for summaries of surveys, should be with the Wage and Hour
Regional Office for the area in which the survey was conducted
because those Regional Offices have responsibility for the
Davis-Bacon survey program. If the response from this initial
contact is not satisfactory, then the process described in 2.)
and 3.) should be followed.

With regard to any other matter not yet ripe for the formal
process described here, initial contact should be with the
Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an
interested party (those affected by the action) can request
review and reconsideration from the Wage and Hour Administrator
(See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor

200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION