



BID PACKAGE

PART IV

SPECIFICATIONS

DMH Project# FY19-003

**Installation of New Heating and Cooling
Coils in AC-12**

at the

S.C. Fuller Mental Health Center

85 East Newton St.

Boston, MA 02118

**THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF HUMAN SERVICES
DEPARTMENT OF MENTAL HEALTH**

S P E C I F I C A T I O N S

FOR

**INSTALLATION OF NEW HEATING AND COOLING COILS
ON AC-12**

AT

**S.C.FULLER MENTAL HEALTH CENTER
85 EAST NEWTON ST.
BOSTON, MA. 02118**

DMH PROJECT #FY19-003

**DEPARTMENT OF MENTAL HEALTH
OFFICE OF FACILITIES MANAGEMENT
167 LYMAN STREET
WESTBOROUGH, MA. 01581**

PREPARED BY: GERALD MCCULLOUGH

**REVIEWED BY: PAUL LAMOTHE
MARK SMITH**

JULY 2, 2018

**INSTALLATION OF NEW HEATING AND COOLING COILS ON AC-12
S.C.FULLER MENTAL HEALTH CENTER**

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGES</u>
230000	INSTALLATION OF NEW HEATING AND COOLING COILS ON AC-12	230000-1 to 230000-3

**INSTALLATION OF NEW HEATING AND COOLING COILS ON AC-12
S.C.FULLER MENTAL HEALTH CENTER**

SECTION 230000

PART 1 – GENERAL

1-01 WORK INCLUDED :

- A. Contractor to remove the suspended ceiling and tiles in room 1025. Removal shall be sufficient to prevent ceil damage while removing the existing coils and installing new coils.
- B. Contractor shall move New heating and cooling coils from there stored location to the 10 th floor construction area.The Existing Coils shall be moved to the 1 st floor.
- C. Contractor shall disassemble the AC-12 unit cabinet so that existing coils can be removed and new coils can be safely installed.
- D. Once the New heating and cooling coils have been installed, Contractor shall be responsible to furnish all necessary piping to reconnect the hot and chilled water supply and return piping. In the unit piping contractor shall include isolation valves on both the supply and return piping to each coil. In addition, Ashcroft temperature gauges shall be installed on the supply piping to both the Heating and Cooling Coils.
- E. Contractor shall repair two locations in the ductwork using 18 gauge sheet metal screwed to the existing ductwork and properly sealed to make air tight.
- F. After all HVAC work has been completed contractor shall re-install the existing suspended ceiling and restore room area as it was prior to work being done.
- G. Contractor shall include any miscellaneous materials that may not be specifically mentioned in these specifications but required for the safe and proper operation of the AC-12 HVAC UNIT.

**INSTALLATION OF NEW HEATING AND COOLING COILS ON AC-12
S.C.FULLER MENTAL HEALTH CENTER**

1-02 QUALITY ASSURANCE

- A. All work shall conform to the governing Codes, Regulations and Ordinances. It shall be the responsibility of the Contractor to familiarize himself/herself with all the governing Codes ,Regulations and Ordinances Applicable to this project.

- B. All workmanship methods shall conform with the highest standards of ASME,ASHRAE,SMACNA AND THE Massachusetts State Building Code and other Codes that may apply to the work specified .

1-03 SUBMITTALS

- A. Product and material information for the following:
 - 1. Miscellaneous Pipe materials, joining methods.
 - 2. Isolation Valves.
 - 3. Ashcroft thermometers

1-04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store all equipment in shipping containers, with labelling in place.
- B. Provide temporary protective coating on valves; provide temporary end caps and closures on valves and pump openings. Maintain in place until installation.

1-05 PROJECT RECORD DOCUMENTS

Upon completion of final testing and inspections, submit "as-built" documents. Refer to Division 1 for as-built requirements.

1-06 ONE-YEAR WARRANTY

- A. All labor and materials shall carry a minimum one year warranty against defects or poor workmanship; warrantee shall start from the date of acceptance.

- B. Submit written warranties prior to start-up and testing.

**INSTALLATION OF NEW HEATING AND COOLING COILS ON AC-12
S.C.FULLER MENTAL HEALTH CENTER**

1-07 REGULATORY REQUIREMENTS

- A. Product Data, Shop Drawings: Bear stamp of approval of UL and/or FM.
- B. Massachusetts State Building Code 780 CMR 8th edition.

End of Section