

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein. Specifications and drawings shall be considered modified or revised as hereinafter described. Revisions to the drawings are referenced by the drawing number. Note the receipt of this addendum on the bid form.

Changes to the Project Manual

Mechanical Specification Items:

1MS1. Section 22 1005 – Plumbing Piping

1. Page 22 1005-9, Article 2.10, Paragraph A, add the following:
“9. Therm-Omega-Tech: www.thermomegatech.com.”

1MS2. Section 23 3100 - HVAC Ducts and Casings

1. Page 23 3100-7, delete Article 2.08 in its entirety.

1MS3. Section 23 3300 - Air Duct Accessories

1. Page 23 3300-2, delete Article 2.03 its entirety.
2. Page 23 3300-7, delete Article 2.11 in its entirety.
3. Page 23 3300-7, delete Article 2.12 in its entirety.
4. Page 23 3300-7, Article 2.13, modify to read as follows:
“2.13 Blankoff Panels”
5. Page 23 3300-7, delete Article 2.14 in its entirety.
6. Page 23 3300-8, delete Article 2.15 in its entirety.

1MS4. Section 23 4000 - HVAC Air Cleaning Devices

1. Page 23 4000-1, Article 1.01, Paragraphs C and D, delete in their entirety.
2. Page 23 4000-2, Article 2.02, modify to read as follows:
“2.02 DISPOSABLE PANEL AND LINK FILTERS
 - A. Media: UL 900 Class 1, two ply, synthetic, dual denier.
 1. Nominal Size: 24 x 24 inches.
 2. Thickness: 2 inch.”

- B. Minimum Efficiency Reporting Value (MERV): 6, when tested in accordance with ASHRAE 52.2.
 - C. Performance Rating:
 - 1. Face Velocity: 500 FPM.
 - 2. Initial Resistance: 0.30 inch WG.
 - D. Recommended Final Resistance: 1.00 inch WG.
 - E. Holding Frames: Galvanized steel wire frames thermally sealed in continuous media sections.”
3. Page 23 4000-2, Article 2.03, modify to read as follows:
- “2.03 DISPOSABLE, EXTENDED AREA PANEL FILTERS
- A. Media: UL 900 Class 1, pleated, lofted, non-woven, reinforced cotton fabric; supported and bonded to welded wire grid by corrugated aluminum separators.
 - 1. Frame: Non-flammable.
 - 2. Nominal size: 12 by 24 inches.
 - 3. Nominal thickness: 2 inch.
 - B. Minimum Efficiency Reporting Value (MERV): 8, when tested in accordance with ASHRAE Std 52.2.
 - C. Rating, per ASHRAE Std 52.2:
 - 1. Dust spot efficiency: 20 percent.
 - 2. Weight arrestance: 85 percent.
 - 3. Initial resistance at 500 FPM face velocity: 0.20 inch WG.
 - 4. Recommended final resistance: 0.9 inch WG.”
4. Page 23 4000-2, delete Article 2.05 in its entirety.
5. Page 23 4000-3, Article 3.02, modify to read as follows:
- “3.02 FIELD QUALITY CONTROL
- A. See Section 23 8127 – Small Split-System Heating and Cooling, for additional field quality control requirements.”

1MS5. Section 23 5533 - Fuel-Fired Unit Heaters

- 1. Page 23 5533-1, Article 1.03, Paragraph G, delete in its entirety.

2. Page 23 55 33-2, Article 2.02, modify to read as follows:

“2.02 ROOM THERMOSTATS

- A. See Section 23 8127 - Small Split-System Heating and Cooling, for additional information.”

1MS6. Section 23 8127 - Small Split-System Heating and Cooling

1. Page 23 8127-1, Article 1.03, Subparagraph I.3, delete in its entirety.
2. Page 23 8127-2, Article 1.05, delete Paragraph A in its entirety.
3. Page 23 8127-2, Article 1.06, modify to read as follows:

“1.06 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide three year manufacturer’s warranty for solid state ignition modules.
- C. Provide five year manufacturer’s warranty on economizers.
- D. Provide one year manufacturer’s warranty on parts and components.”

4. Page 23 8127-2, Article 2.01, add the following:

“G. Allied Commercial.”

5. Page 23 8127-2, Article 2.03, Paragraph C, modify to read as follows:

“C. Air Filters: 2-inch thick pleated or synthetic, arranged for easy replacement. See Section 23 4000 - HVAC Air Cleaning Devices, for additional information.”

6. Page 23 8127-2, Article 2.04, modify to read as follows:

“2.04 ROOM THERMOSTATS

- A. Room Thermostat: Wall-mounted, electric solid state microcomputer based room thermostat with remote sensor to maintain temperature setting; low-voltage; with following features:
 1. System selector switch (heat-off-cool) and fan control switch (auto-on).
 2. Automatic switching from heating to cooling.
 3. Preferential rate control to minimize overshoot and deviation from setpoint.
 4. Set-up for four separate temperatures per day.

5. Instant override of setpoint for continuous or timed period from one hour to 31 days.
6. Short cycle protection.
7. Programming based on every day of the week.
8. Selection features including degree F or degree C display, 12 or 24 hour clock, keyboard disable, remote sensor, fan on-auto.
9. Battery replacement without program loss.
10. Burner operation control.
11. Thermostat display:
 - a. Time of day.
 - b. Actual room temperature.
 - c. Programmed temperature.
 - d. Programmed time.
 - e. Duration of timed override.
 - f. Day of week.
 - g. System mode indication: Heating, Cooling, Fan Auto, Off, and On, Auto or On, Off.”

7. Page 23 8127-3, Article 3.01, delete Paragraphs D, G, H, and I in their entirety.

Changes to the Drawings

Mechanical Drawing Items:

1MD1. Sheet ME0.00 – Mechanical and Electrical Symbols and Abbreviations

1. Add General Note 8 to read:
 - “8. Contractor shall sweep the floor to be sure all debris is removed prior to installing floor protection. Floor protection shall consist of red rosin paper lapped and taped to itself to cover the floor. Install over rosin paper ½” AC plywood. Floor protection shall be at all areas where work is occurring and at areas where materials and equipment are stored.”
2. Miscellaneous General Note #4 – painting to be as follows:
 - Steel – Unprimed
 - One coat zinc chromate primer
 - Two coats semi-gloss alkyd enamel
 - Steel - Primed
 - Touch up original primer
 - Two coats semi-glass alkyd enamel

1MD2. Sheet MD1.01 – Demolition Plan – Mechanical

1. Modify Flag Note 4 to read:
 - “4. Patch walls where pipes were removed or install escutcheon plates on all exposed sides on this level.”
2. Modify Flag Note 7 to read:
 - “7. Remove existing motorized dampers. Salvage existing controls for reuse on new dampers. See Sheet M2.01 for new work.”

1MD3. Sheet MD1.02 – Demolition Plan – Mechanical

1. Modify header of partial plan 2/MD1.02 Basement Partial Plan – Mechanical Demolition to read:

“Pool Area Partial Plan – Mechanical Demolition -2/MD1.02”
2. Walls and ceilings on this level that are removed for the work shall be neatly cut but they do not have to be patched back.

1MD4. Sheet M2.01 – Gym – HVAC

1. Add General Note 14 to read:
 - “14. Fan coil unit and duct furnace shall be by the same manufacturer. See Specification Section 23 0400 for additional information.”
2. Add Flag Note 15 to all relief hood ductwork. Flag Note 15 to read:
 - “15. Clean existing ductwork prior to installation of new damper.”

1MD5. Sheet M4.00 – Mechanical Details

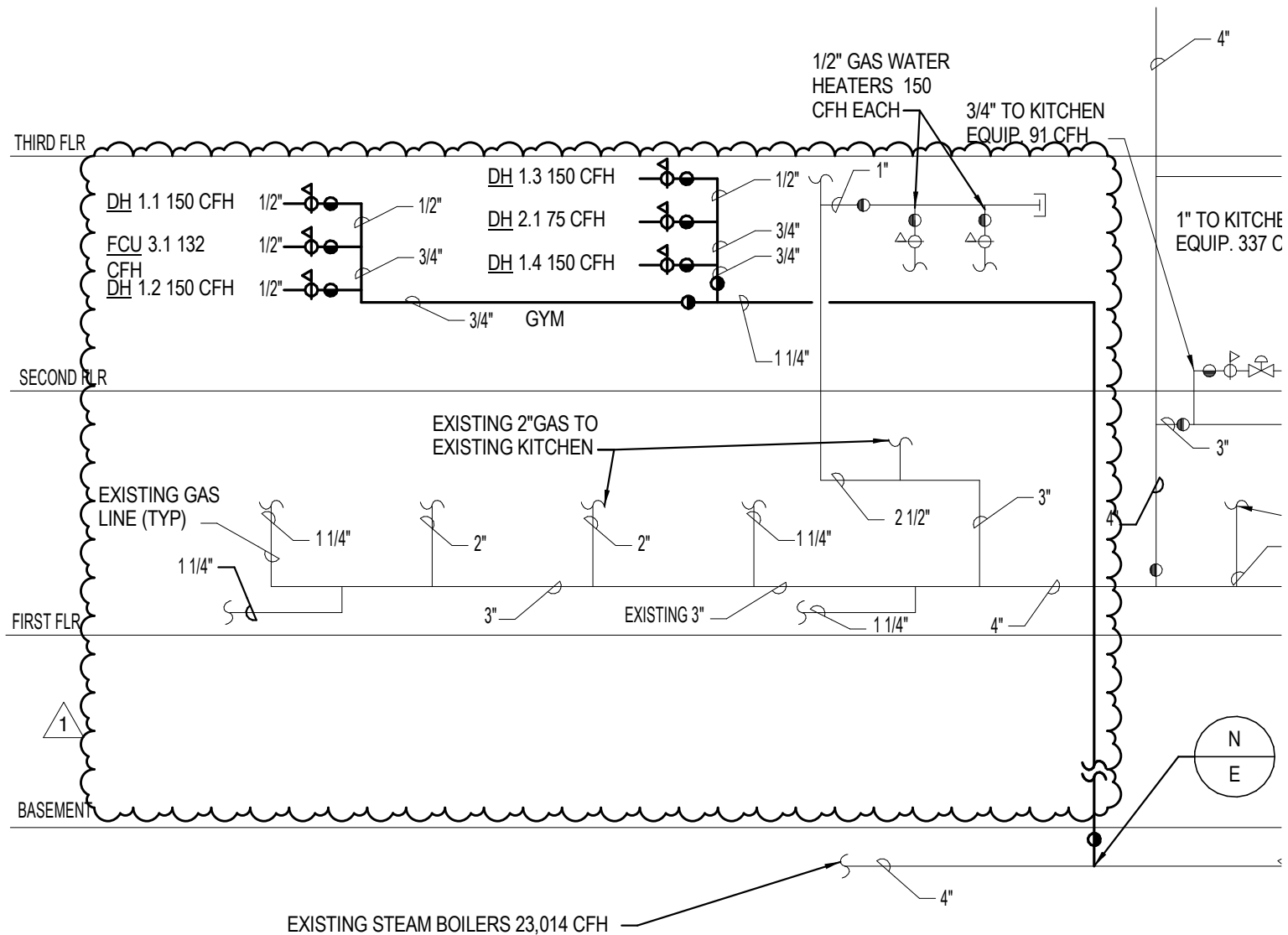
1. Modify Gas Piping Riser Diagram. See Supplemental Drawing MD-01 for additional information.
2. Detail 2/M4.00 – see attached sheet S1.1 for support structure for mechanical units

1MD6. Sheet M5.00 – Mechanical Schedules

1. Modify Fan Coil Unit Schedule. See Supplemental Drawing MD-02 for additional information.

END

MPM/mkm



GAS PIPING RISER DIAGRAM

NO SCALE

4
M4.00



DMPS CENTRAL CAMPUS GYMNASIUM AHU REPLACEMENT

PROJECT NUMBER
20165449

DATE
6/24/2016

DRAWING REFERENCED:
ADDENDUM NO.:

M4.00
1

SKETCH
MD-01

FAN COIL UNIT SCHEDULE

MARK	ARRANGEMENT	CFM	EXTERNAL SP (IN. W.C.)	DIMENSIONS (LxWxH) (IN)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
FCU-1.1	HORIZONTAL	4000	0.75	55X30X95	435	LENNOX	TAA120S4D	(1)(2)(3)
FCU-1.2	HORIZONTAL	4000	0.75	55X30X95	435	LENNOX	TAA120S4D	(1)(2)(3)
FCU-1.3	HORIZONTAL	4000	0.75	55X30X95	435	LENNOX	TAA120S4D	(1)(2)(3)
FCU-1.4	HORIZONTAL	4000	0.75	55X30X95	435	LENNOX	TAA120S4D	(1)(2)(3)
FCU-2.1	HORIZONTAL	3000	0.75	52X30X83	350	LENNOX	TAA90S4D	(1)(2)(3)
FCU-3.1	HORIZONTAL	2000	0.75	52X30X83	330	LENNOX	TAA072S4S	(1)(2)(3)

REMARKS:

1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET M5.00 FOR ELECTRICAL DATA.
2. PROVIDE WITH HEAVY GAUGE ROLLED STEEL CABINET, SOLID STATE ELECTRONIC DIRECT SPARK IGNITION CONTROL, INDUCED DRAFT BLOWER WITH THERMALLY PROTECTED MOTOR WITH BALL BEARINGS, 2 INCH THICK THROWAWAY FILTERS WITH FILTER RACK AND STANDARD DX COIL. BURNER ASSEMBLY IS SPECIFIED AS SEPARATE COMPONENT. UNIT CONTROLS SHALL INTERFACE WITH BMS. SEE CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. PROVIDE WITH ECONOMIZER DAMPER SECTION. DIMENTIONS LISTED INCLUDE ECONOMIZER SECTION DIMENSIONS.



DMPS CENTRAL CAMPUS GYMNASIUM AHU REPLACEMENT

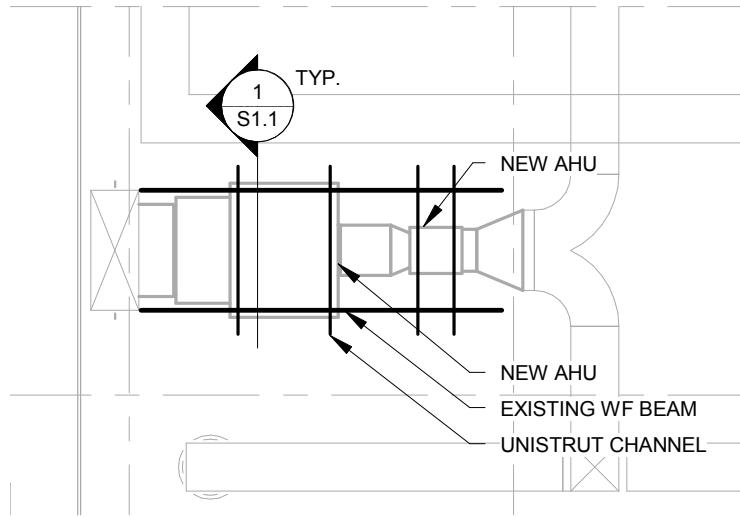
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M5.00
1

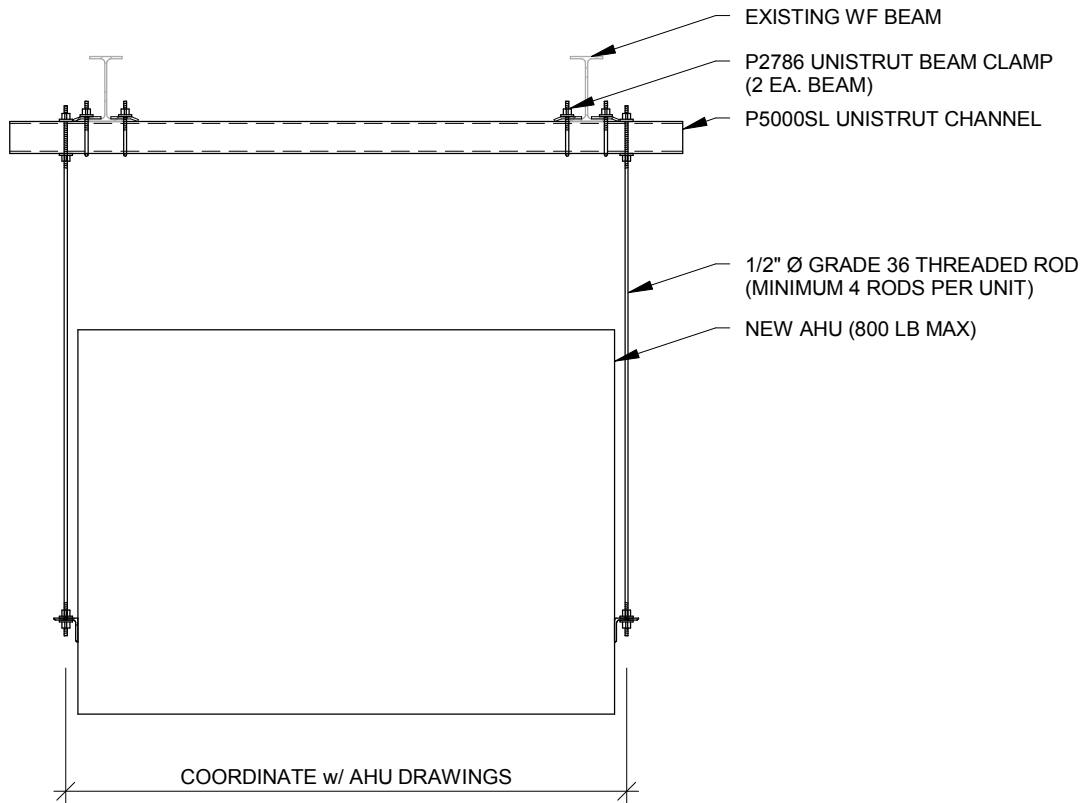
SKETCH
MD-02



A AHU PLAN
1/8" = 1'-0"

NOTE:

1) (6) PAIRS OF AHU'S (AS SHOWN ABOVE) FOR A TOTAL OF 12 UNITS.



1 AHU FRAMING
1/2" = 1'-0"

Sheet Title AHU REPLACEMENT	Issue / Revision	Date	DMPS CENTRAL CAMPUS	RE RAKER RHODES Engineering Des Moines, Iowa Iowa City, Iowa
	BID SET	06/24/2016		
Sheet No. S1.1	Job No.	Proj. Mgr.	GYMNASIUM AHU REPLACEMENT	This drawing has been prepared by the Engineer, or under the Engineer's direct supervision. This drawing is provided as an instrument of service by the Designer / Engineer and is intended for use on this project only. Any reproduction, use, or disclosure of information contained herein without the prior written consent of the Engineer is strictly prohibited. (C) Copyright 2016 by Raker Rhodes Engineering, L.L.C.
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