

Mick Gage

PLUMBING & HEATING, INC.

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Website Address: www.mickgage.com

511 West Milwaukee P.O. Box 244
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PROPOSAL FOR NEW HAMPTON COMMUNITY SCHOOL DISTRICT NEW HAMPTON, IOWA 50659 WRESTLING ROOM

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Thank you for the opportunity to provide the following proposal for the wrestling room at your school. Following is our proposal:

1 Drinking Fountain
1 Sump Pump
1 Sump Pit

Remove wash basin and cap all hookups

Exhaust fans and makeup air unit as follows:

Fan #1 RARTU2-I.150-11-8T-DOAS-Heater (MAU-1)

RARTU2-I.150-11-8T-DOAS RTU with Indirect Fired Heat and 11" Direct Drive Plenum Fan, 1 Furnace, Electronic Full Modulation, Constant 80% Efficiency, and 6:1 Max Turndown for NG, (5:1 Max Turndown for LP).

Stainless Steel Burner and Heat Exchanger. Variable speed cooling.

Supply Fan handles 1000 CFM @ 0.250" wc ESP, Fan runs at 1582 RPM.

Heater Supplies 119922 BTU's. 100°F Temperature Rise. [Fuel: Natural Gas]

Input: 149902 BTU's

Supply Motor: 1.000HP, 3 Phase, 208 V, 60Hz, 3.1 FLA, ODP, Premium (E-Plus3) Eff. Side Discharge- Air Flow Left->Right

Field Wired Exhaust Contactor before Airflow Switch. Rated 23 Amps. Starts up to (2) Single Phase Motors. 2HP max. 115V, 3HP max. 240V. Start's one Three Phase Motor. 5HP max. 208V, 7.5HP max. 230V, 15HP max. 460V. Overload not included.

50-90°F Space Temp Control. Space HMI Ships loose. Heating/Cooling Activation Based on Space Set Point. Auto Blower Mode.

Gas Manifold for RTU 2-1 GM-BTU 0-400001-7in.wc.-14in. wc., No Insurance Requirement (ANSI), BV250-88

Single Point Electrical Connection for RTU. QNTY 1 750va Transformer Used. If a Non-DCV Prewire controls this unit, the #28, #47, "MA", or "E2" Option Prewire must be selected. Do not provide supply starter in prewire.

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24 HOUR EMERGENCY SERVICE

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2" Merv 13 Filters for Size 2 RTU. Qty. 4, 16x20x2 Merv 13 Filters

2" Merv 8 Filters for Size 2 RTU. Qty. 4, 16X20X2 Merv 8 Filters

Overheat Stat Factory set at 80°F and 10 minutes. Prevents unit from overheating the space when cooling.

RTU Size 2 Side Discharge

Clogged Filter Switch with Notification on HMI

Freeze Stat Factory set at 35°F and 10 minutes.

ESV751N02YXB571 – Variable Frequency Drive – 1 HP max., 200/240V, Single or Three Phase Input, 4.2 A Max., NEMA 1 Enclosure with 2RJ-45 for Modbus

VAV (Variable-Air-Volume) Wiring Package for Commercial Fans. Manual Speed Control Variable Frequency Drive Included

Gas Pressure Gauge, 0 to +10" wc., 2.5" Diameter, 1/8" Thread Size, Rear Thread

Gas Pressure Gauge, 0-35", 2.5 Diameter, 1/4" Thread Size

RTU Size 2 No Return

RTU Fixed 100% Outdoor Air Intake.

8 Ton Cooling Only Modulating Reheat Option for Space Control

Verizon Cellular Kit, Wired Antenna and Verizon Data for 1 Year. Used with Fan.

8 Ton Modulating Cooling Option, 2058/230V. R410A Refrigerant, Variable Speed Inverter Duty Compressor, ECM Condensing Fan(s).

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Control Panel enclosure heater, includes 200w, 120v heater. Recommended for winter design temperature less than 0°F. Operates on PCB controls in IBT Single Modules or RTU.

VFD factory mounted and wired in unit control vestibule.

Fan #2 DR50HRA-Exhaust Fan (EF-1)

DR50HRA High Speed Direct Drive Centrifugal Down blast Exhaust Fan with speed control (speed control included for single phase only), birdscreen, disconnect switch and 13-3/4" wheel. Exhaust fan handles 1000 CFM @ -0.250" wc ESP, Fan runs at 1138 RPM. Exhaust Motor: 0.500 HP, 1 Phs, 115V, 60Hz, 6.3 FLA, TEAO-ECM (Totally Enclosed Air Over Electronically Commutated Motor)

ECM Wiring Package and Manual or 0-10VDC Control for Exhaust EC motors. RTC Controller (No harness when ordered as a part).

Wall Mount Construction for Direct Drive Fan. Through-Bolt mount motor for extra support in wall mount application. Vibration isolator mounts not used.

Wall Mount Bracket – 20.5" square x 5" for fans with 21" square base, with 16" centered square hole. Used when gravity damper is ordered.

Gravity Back Draft Damper – with Flange, damper is 15"sq., 2" deep, O.D. of flange is 17" sq.

CASLink Monitoring
Service Design Verification for CASLink
Service Design Verification for DOAS
Service Design Verification for Exhaust Fan

Move 4" Cast Iron Pipe in Wood Room
Move Air Compressor
Hook Sump Pump into drain

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Add to Condensate

Condensate Pump

Cut floor and patch

Water Piping to Drinking Fountain

Spiral Duct Work

Air Makeup Unit Stand

Gas Piping

Material and Labor to Install: \$53,146.00 (Fifty Three Thousand One Hundred Forty Six and 00/100 Dollars)

Terms: Billed every 30 days as completed.

Note: Wiring is not included in this proposal.

If you have any questions, or if we can be of service, please call me at 641-394-4985.

Sincerely,
MICK GAGE PLUMBING AND HEATING, INC.



Mick Gage
President

Date of Proposal: 03-10-20

Acceptance of Proposal: The above price, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____ Signature: _____

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