



## **Addendum No. 1**

March 14, 2018  
HVAC Replacement at Hoover High School  
Bid Number 161-17/18

This addendum supercedes, supplements and has precedence over all portions of the bidding documents with which it differs. Acknowledge receipt of this Addendum in the space provided on Bid Form, paragraph 9. Failure to do so may subject the Bidder to disqualification.

### **Changes to Specifications:**

Contractors must use the following (see next pages) model number units for this project. Please review and quote based on these following units to be installed. This is a Prop 39 project, and all the units must be high Seer units to meet state requirements, and these are the units GUSD is requiring to use.

End of Addendum No. 1

Project Name: **GUSD HOOVER alt**

Unit Model #: **YZH04812C**

Quantity: **21**

System: **YZH04812C (21), AHX61D4P121 (21)**

**Cooling Performance**

Total gross capacity	45.9 MBH
Sensible gross capacity	34.1 MBH
Seasonal Efficiency (at ARI)	17.50 SEER
Efficiency (at ARI)	12.50 EER
Ambient DB temp.	95.0 °F
Power input	3.65 kW

**Refrigerant**

Refrigerant type	R-410A
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**Heat Pump Performance**

Heating output capacity (Max)	48.7 MBH
Ambient DB temp.	47 °F
Leaving DB temp.	88.2 °F
Air temp. rise	28.2 °F
Power input	3.22 kW

**Electrical Data**

Power supply	208/230-1-60
Unit min circuit ampacity	29.2 Amps
Unit max over-current protection	50 Amps

**Dimensions & Weight**

Hgt	40 in.	Len	42.2 in.	With	34 in.
Weight with factory installed options					320 lbs.

**Matchup Information**

ARI Reference Number	8196157
ARI Rated Capacity	47 MBH
ARI Rated Efficiency	17.50 SEER

Note: Please refer to the tech guide for listed maximum static pressures



**4 Ton**

**Unit Features**

- Unit Cabinet Constructed of Pre-Painted Steel
- Featuring a Slide-Down Control Compartment Allowing Easy Access to Control Components Along with Angled Service Valves to Reduce Overall Installation Time and Cost
- Single Circuit 2 Stage Cooling with Scroll Compressor
- Each Compressor is Protected Against Abnormal Pressures by an Internal Pressure Relief Valve and Factory Installed High and Low Pressure Controls
- Solid Core Liquid Line Filter Drier
- Copper Tube/Aluminum Fin Condenser Coil
- Internally Protected Condenser Fan Motor
- Swept Wing Condenser Fan
- Fully-Louvered Coil Guard
- Communicating Control Capable – Refer to Communicating Controller for Detailed Features and Benefits

**Warranty**

- Five (5) Year Limited Parts Warranty
- Ten (10) Year Limited Compressor Warranty
- Eligible for Premium Ten (10) Year Limited Parts Warranty and Limited Lifetime Compressor Warranty (See Warranty Policy for Details)

Project Name: **GUSD HOOVER alt**

Unit Model #: **AHX61D4P121**

Quantity: **21**

System: **YZH04812C (21), AHX61D4P121 (21)**

**Cooling Performance**

Total gross capacity	45.9 MBH
Sensible gross capacity	34.1 MBH
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	60.3 °F
Leaving WB temp.	58.0 °F

**Heating Performance**

Entering DB temp.	60 °F
Supply air	1600 CFM

**Supply Air Blower Performance**

Supply air	1600 CFM
Ext. static pressure	0.61 IWG
Blower speed description	TAP 1
Motor rating	1.00 HP
Elevation	0 ft.
Drive type	DIRECT

**Indoor Electrical Data**

Power supply	208-1-60
Unit min circuit ampacity	3.50 Amps
Unit max over-current protection	15 Amps

**Indoor Dimensions & Weight**

Hgt	57 in.	Len	20.5 in.	With	24.5 in.
Weight with factory installed options	200 lbs.				

**Matchup Information**

ARI Reference Number	8196157
ARI Rated Capacity	47 MBH
ARI Rated Efficiency	17.50 SEER

Note: Please refer to the tech guide for listed maximum static pressures



**Unit Features**

- Unit Cabinet Constructed of Pre-Painted Steel
- Shipped as Upflow / Horizontal Right Model and is Field Convertible to Downflow or Horizontal Left
- Drain Pan is Made of Thermo-Set Plastics for Durability, UVC and Temperature Resistance and is Designed to Prevent Water from Accumulating in Coils for Improved Performance.

**Warranty**

- Five (5) Year Limited Parts Warranty (Non-Registered)
- Ten (10) Year Limited Parts Warranty (with Registration to Original Homeowner)
- Five (5) Year Limited Warranty on Electric Heater Elements



Project Name: GUSD HOOVER alt

Unit Model #: YHM60B21S

Quantity: 1

System: YHM60B21S, AVC60DX21

### Cooling Performance

Total gross capacity	57.6 MBH
Sensible gross capacity	40.6 MBH
Seasonal Efficiency (at ARI)	16.25 SEER
Efficiency (at ARI)	9.75 EER
Ambient DB temp.	95.0 °F
Power input	5.65 kW

### Refrigerant

Refrigerant type	R-410A
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### Heat Pump Performance

Heating output capacity (Max)	60.1 MBH
Ambient DB temp.	47 °F
Leaving DB temp.	88.7 °F
Air temp. rise	28.7 °F
Power input	4.73 kW

### Electrical Data

Power supply	208/230-1-60
Unit min circuit ampacity	34.7 Amps
Unit max over-current protection	60 Amps

### Dimensions & Weight

Hgt	43 in.	Len	37 in.	With	34 in.
Weight with factory installed options					239 lbs.

### Matchup Information

ARI Reference Number	9035958
ARI Rated Capacity	55.5 MBH
ARI Rated Efficiency	16.25 SEER

Note: Please refer to the tech guide for listed maximum static pressures



## 5 Ton

### Product Features

- The YHM Series of 16 SEER Split System Heat Pumps has been designed to deliver reliable heating and cooling across a wide range of conditions when paired with an approved matched Air Handler or Indoor Coil from Johnson Controls Unitary Products. Using environmentally friendly R-410A refrigerant, these attractive and durable units are an excellent choice for residential, multi-family, and light commercial retrofits and new construction applications.

### Unit Features

- 16 SEER / Modulating
- Environmentally Friendly - CFC-free R-410A refrigerant delivers environmentally friendly performance with zero ozone depletion.
- Unit Cabinet Constructed of Pre-Painted Steel
- Fully Exposed Refrigerant Connections and a Single Panel Covering the Electrical Controls Make for Easy Servicing of the Unit
- Quality Coils - Enhanced aluminum fins are mechanically bonded to copper tubing.
- Unit uses a state of the art inverter driven compressor to precisely meet customers comfort requirements.

### Warranty

- Five (5) Year Limited Parts Warranty
- Ten (10) Year Limited Compressor Warranty
- Extended Ten (10) Year Limited Parts Warranty when Product is Registered Online Within 90 Days of Purchase for Replacement or Closing for New Home Construction

Project Name: **GUSD HOOVER alt**

Unit Model #: **AVC60DX21**

Quantity: **1**

System: **YHM60B21S, AVC60DX21**

**Cooling Performance**

Total gross capacity	57.6 MBH
Sensible gross capacity	40.6 MBH
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	60.6 °F
Leaving WB temp.	57.6 °F

**Heating Performance**

Entering DB temp.	60 °F
Supply air	1935 CFM

**Supply Air Blower Performance**

Supply air	1935 CFM
Ext. static pressure	0.5 IWG
Blower speed description	HIGH
Elevation	0 ft.
Drive type	DIRECT

**Indoor Electrical Data**

Power supply	208-1-60
Unit min circuit ampacity	9.10 Amps
Unit max over-current protection	15 Amps

**Indoor Dimensions & Weight**

Hgt	55.5 in.	Len	21.5 in.	Wth	24.5 in.
Weight with factory installed options		170 lbs.			

**Matchup Information**

ARI Reference Number	9035958
ARI Rated Capacity	55.5 MBH
ARI Rated Efficiency	16.25 SEER
Metering Device	S1-1TVMBG1 (or equiv)

Note: Please refer to the tech guide for listed maximum static pressures



**Unit Features**

- Unit Cabinet Constructed of Aluminum or G90 Galvanized Steel
- Shipped as Upflow / Horizontal Left Models and are Field Convertible to Downflow / Horizontal Right Configuration
- G30 Galvanized Steel Case to Resist Corrosion
- Cabinet is Insulated with Foil Faced Insulation to Prevent Sweating
- Long Life MaxAlloy Aluminum Coils For Long Lasting Performance, Efficiency and Reliability
- Drain Pan is Made of Thermal Plastic to Reduce Cause for Potential Mold Or Contaminates
- Bolt-On-TXV (Select Models with Factory-Installed TXV)
- Variable Speed ECM Motor for Most Efficient, Quietest Operation With Added Indoor Comfort Control And Are Communication Capable Using a 4-Wire Connection Bus

**Warranty**

- Five (5) Year Limited Parts Warranty
- Extended Ten (10) Year Limited Parts Warranty with Registration