

## SECTION 15620

### FUEL-FIRED HEATERS

#### PART 1 - GENERAL

##### 1.01 SUMMARY

###### A. Section Includes:

1. Gas Fired Unit Heaters.
2. Gas Fired Furnaces.

###### B. Related Sections:

1. Section 15010 - Basic Mechanical Requirements.
2. Section 15050 - Basic Mechanical Materials and Methods.
3. Section 15190 - Mechanical Identification.
4. Section 15240 - Mechanical Sound and Vibration Control.
5. Section 15485 - Natural Gas System.
6. Section 15575 - Breechings, Chimneys, Stacks and Flues.

##### 1.02 REFERENCES

- A. American Gas Association (AGA).

##### 1.03 SYSTEM DESCRIPTION

###### A. Design Requirements:

###### 1. General:

- a. Requirement for gas fired equipment is limited to structures which are constructed outside the practical limits of the campus central steam distribution system and have access to natural gas from Public Service Company utility distribution system.

#### PART 2 - PRODUCTS

##### 2.01 GAS-FIRED UNIT HEATERS

###### A. Manufacturers:

Hastings  
ITT Reznor  
Lennox  
Modine  
Trane

###### B. Units AGA approved.

###### C. Heat exchanger 18 gage aluminized steel.

###### D. Following trim and controls furnished as a minimum:

1. 24-volt gas valve and transformer.
2. Fan control.
3. Summer-Winter switch.
4. Gas cock.
5. Pressure regulator.
6. Spark ignition.
7. Limit control.
8. Draft diverter.
9. Adjustable horizontal and vertical louvers.

## 2.02 GAS-FIRED FURNACES

### A. Manufacturers:

Carrier  
Command Air  
Day and Night  
Fedders  
Lennox  
Trane  
York

### B. Furnaces AGA approved.

### C. Heat exchangers of 18 gage aluminized steel or stainless steel.

### D. Factory-installed controls furnished as a minimum:

1. Fan control.
2. Limit control.
3. 24-volt automatic main gas control valve.
4. Main gas and pilot gas shut-off valves.
5. Spark ignition or hot-wire ignition.

## PART 3 - EXECUTION

### 3.01 INSTALLATION

- A. In general, for project specifications, remove "Design Requirements" in Part 1, paragraph 1.03, subparagraph A, and expand here on specific requirements of installation for gas fired equipment products specified in Part 2.

END OF SECTION