

## Summit County Engineer

## Heating/Air Conditioning 5 Zone System Specifications

Proposal: New Gas Fired Heating and Electric Cooling for Summit County Engineering Offices.

Zone One will utilize a packaged unit while zones 2 thru 5 will have gas furnaces located In Penthouse with evaporative coils mounted and condensers for zones 2 thru 5 set on rails Next to penthouse.

## Zone 1

Packaged Side discharge 6-Ton Gas Heat Electric Cooling Unit

Carrier Model 48TCFA07A26-0A0A0

Horizontal Modulating Economizer with rain hood 0849-0201-54930.

Unit mounted on curb 0537-014A-00010

All Exposed duct to be internally insulated.

## Zone 2, Zone 3

Carrier 59SC2B120S24--22 120,000 Btu Gas Fired Furnace (Each zone)

Units set in penthouse.

Supply and return duct connected.

Duct insulated 1 1/2 " foil faced.

Carrier 5-Ton Air Conditioner Model 24ABB360A006 Condensers (Each zone)

Condensers set on rails.

Carrier Evaporator Coils Model CNPVP6024ALA

## Zone 4, Zone 5

Carrier 59SC2B060S17--16 60,000 Btu Gas Fired Furnace (Each zone)

Units set in Penthouse

Supply and return duct connected

Duct insulated 1 1/2" foil faced.

Carrier 3-Ton Air Conditioner Model 24ABB336A006 Condensers (Each zone)

Condensers set on rails.

Carrier Evaporator Coils Model CNPV3617ALA

Condensers Voltage to be 460 Volt

Gas line run from south building and plumbed to each furnace.

Power wiring to packaged unit, Condensers and Furnaces.

All necessary Low Voltage Wiring.

Condensate line to utility room drain below penthouse  
One Supply register on supply duct from Zone 5 to supply 200 CFM to Penthouse.

Furnaces vented with PVC.

115 Volt power run to each furnace supplying zone 2 thru 5.

Existing Air Handler disassembled and removed from site.

Existing Condenser to have refrigerant evacuated and removed from site.

Electric to old strip heat to be removed and properly capped.

Each of 5 Zones to have 7 Day Programmable Honeywell Thermostats.

Gas lines to each furnace to have shut off valve.

1" Pleated Filters for each system.

Permits.

Start up and training for maintenance personnel.

Price.....\$

Option: Wireless Thermostats with Remote Access and System Alerts.

5 Honeywell Red Link Wireless Thermostats with system alerts and remote access.

Associated gateways.

Additional .....\$

Two Year Warranty on all Labor.

5 Year Warranty on Compressors.

20 Year Warranty on All Heat Exchangers.

**ZONE 1**  
 PACKAGED UNIT  
 48TCFA07A2A68-0A0A0  
 ECONOMIZER  
 0849-0201-54830

ZONE 2  
 CONDENSOR  
 24AB8360A006

ZONE 3  
 CONDENSOR  
 24AB8360A006

ZONE 4  
 CONDENSOR  
 24AB8360A006

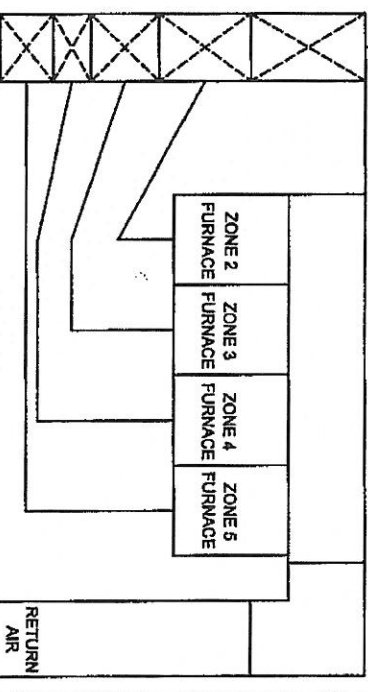
ZONE 5  
 CONDENSOR  
 24AB8360A006

ZONE 2  
 FURNACE

ZONE 3  
 FURNACE

ZONE 4  
 FURNACE

ZONE 5  
 FURNACE



**ZONE 1**

PACKAGED SIDE 6-TON GAS HEAT ELECTRIC COOLING UNIT  
 CARRIER MODEL 48TCFA07A28-0A0A0  
 HORIZONTAL MODULATING ECONOMIZER WITH RAIN HOOD 0849-0201-54830  
 UNIT MOUNTED ON CUB 0537-014A-00010  
 ALL EXPOSED DUCT TO BE INTERNALLY INSULATED

**ZONES 2 & 3**

CARRIER 695C28120S24-22 120,000 BTU GAS FIRED FURNACE (EACH ZONE)  
 UNITS SET IN PENTHOUSE  
 SUPPLY AND RETURN DUCT CONNECTED  
 DUCT INSULATED 1-1/2" FOIL FACED  
 CARRIER 5-TON AIR CONDITIONER MODEL 24AB8360A006 CONDENSERS (EACH ZONE)  
 CONDENSOR SET ON RAILS  
 CARRIER EVAPORATOR COILS MODEL CNPV8024ALA

**ZONES 4 & 5**

CARRIER 695C28060S17-16 60,000 BTU GAS FIRED FURNACE (EACH ZONE)  
 UNITS SET IN PENTHOUSE  
 SUPPLY AND RETURN DUCT CONNECTED  
 DUCT INSULATED 1-1/2" FOIL FACED  
 CARRIER 3-TON AIR CONDITIONER MODEL 24AB8360A006 CONDENSERS (EACH ZONE)  
 CONDENSOR SET ON RAILS  
 CARRIER EVAPORATOR COILS MODEL CNPV3817ALA

CONDENSERS VOLTAGE TO BE 480 VOLT  
 GAS LINE FROM SOUTH BUILDING ATTACHED  
 CONDENSATE LINE TO UTILITY ROOM DRAIN BELOW PENTHOUSE  
 ONE SUPPLY REGISTER ON SUPPLY DUCT FROM ZONE 5 TO SUPPLY 100 CFM TO PENTHOUSE