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August 9, 2022

SCOPE OF WORK
Quote #22-0438-SAR

Subject: Sommet Blanc - Budget

Atkinson Electronics Inc. is pleased to provide this scope of work for the above-mentioned project. Our pricing is based on DD plans and specifications from the office of WSP USA dated 5-23-2022. We have reviewed 0 (zero) addenda. If you have any questions, then please feel free to contact me.

Master List of Systems:

Campus Network Head End

- Provide and install head end network controller
- Provide floor plan and system graphics
- Provide remote access
- Provide building scheduling
- Provide system alarming

Air Handling Unit

- Provide DDC controller
- Provide control panel, control transformer, control relays
- Provide start/stop/status of supply and return fans
- Provide supply and return air duct temperature sensors
- Furnish control valves for coils - Piping installation by others
- Provide damper actuators for economizer dampers provided as part of the AHU
- Provide differential pressure transducers in return and supply duct
- Provide filter differential pressure sensors on filter section
- Provide high duct static pressure switch
- Provide mixed air temperature sensor

Hot Water System

- Provide DDC controller
- Provide control panel, control transformer, and control relays
- Provide building loop supply and return temperature sensors
- Provide return temperature per boiler
- Provide differential pressure sensors
- Provide outside air temperature sensor
- Start/stop/status of the boilers and heat pumps
- Furnish boiler isolation valves - Piping installation by others
- Start/stop/status of the pumps
- Provide emergency kill switch

Central Snow Melt Hot Water System

- Provide DDC controller
- Provide control panel, control transformer, and control relays
- Provide building loop supply and return temperature sensors
- Provide return temperature per boiler
- Provide differential pressure sensors
- Provide outside air temperature sensor
- Start/stop/status of the boilers
- Furnish boiler isolation valves - Piping installation by others
- Start/stop/status of the pumps
- Provide emergency kill switch

Chilled Water System

- Provide DDC controller
- Provide control panel, control transformer, and control relays
- Provide building loop supply and return temperature sensors
- Provide differential pressure sensor
- Start/stop/status of the heat pumps
- Start/stop/status of the chilled water pumps

Fan Coil Units

- Provide controls for 4-pipe fan coil units serving common areas
 - Wall mount zone temperature sensor
 - Leak detection sensors in condensate pan

- Discharge air temperature
- Hot water and chilled water control valves – Piping installation by others
- DDC controller
- 24v Transformer
- Start/stop/status of supply fan

Fan Powered Terminal Units

- Provide DDC VAV controller
- Provide control panel, control transformer, and control relays
- Furnish reheat control valve – piping installation by others
- Provide discharge air temperature sensor
- Provide zone temperature sensor

Garage Exhaust

- Provide DDC controller
- Provide control panel, control transformer, control relays
- Provide start/stop/status of exhaust fans
- Provide CO/NO2 sensors

Building A:

- Air Handling Units – Qty 2 (2 are listed as future)
- Hot Water System – Qty 1
- Chilled Water System – Qty 1
- Common Area FCUs – Qty 6
- Fan Powered Terminal Units – Qty 19
- Garage Exhaust – Qty 15 CO/NO2 sensors

Building A Base Bid Common Area Budget: \$ 184,000

Building B:

- Air Handling Units – Qty 2
- Hot Water System – Qty 1
- Snow Melt Hot Water System – Qty 1
- Chilled Water System – Qty 1
- Common Area FCUs – Qty 9
- Fan Powered Terminal Units – Qty 13
- Garage Exhaust – Qty 33 CO/NO2 sensors

Building B Base Bid Common Area Budget: \$ 222,250

Building C:

- Air Handling Units – Qty 1
- Hot Water System – Qty 1
- Chilled Water System – Qty 1
- Common Area FCUs – Qty 2
- Fan Powered Terminal Units – Qty 8
- Garage Exhaust – Qty 8 CO/NO2 sensors

Building C Base Bid Common Area Budget: \$ 124,500

Excluded – The following is excluded from the price for this project

- Any goods, services, materials, or labor not specifically stated or described in this scope of work.
- Fire, smoke, fire/smoke dampers, or duct smoke detectors
- Provide installation and start-up of any part of the fire alarm system
- Providing, installing, or start-up of any part of the building Ethernet/internet network including routers and servers not listed in the scope of work
- Installing valves or dampers
- Providing motor starters, disconnects, high voltage wiring, or any work typically provided by the electrical contractor
- Providing access panels
- Any scope inside the residences – Still working on details
- Providing or installing stand a-lone thermostats in the residences

Sincerely,
Atkinson Electronics, Inc.

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