A. General:

1. BSU capital projects ask for “Add Alternates” for the control work from the three controls contractors as follows:
   a. Automated Logic (local branch office)
   b. Trane (local branch office)
   c. Johnson Controls (local branch office)

2. BacNet communication protocol only.

B. Product Preferences

1. Thermistor Temperature Sensors and Transmitters
   a. BEC Controls Corporation.
   b. Ebtron, Inc.
   c. Heat-Timer Corporation.
   d. I.T.M. Instruments Inc.
   e. MAMAC Systems, Inc.
   f. RDF Corporation

2. RTDs and Transmitters
   a. BEC Controls Corporation.
   b. MAMAC Systems, Inc.
   c. RDF Corporation

3. Humidity Sensors
   a. TCS/Basys Controls.
   b. Vaisala
4. Water Flow Switches
   a. BEC Controls Corporation.
   b. I.T.M. Instruments Inc.

5. Gas Detection
   a. Ebtron, Inc.
   b. TSI Incorporated.
   c. Vaisala.
   d. Kele

6. Air Flow Measuring Stations
   a. Ebtron Co “Gold” series

7. BTU Meters
   a. Onicon System 10 with F-3500 electromagnetic flow meter.

8. Humidistats
   a. MAMAC Systems, Inc.
   b. ROTRONIC Instrument Corp.
   c. Vaisala.

9. Electronic Damper Actuators
   a. Belimo Aircontrols (USA), Inc.

10. Control Valves
    a. All control valves must be guaranteed by the Controls Manufacturer
    b. Approved Manufacturers include the following:
       1) Brand labeled or distributed by Johnson Controls
2) Danfoss Inc.; Air Conditioning & Refrigeration Div.

3) Erie Controls.

4) Hayward Industrial Products, Inc.

5) Magnatrol Valve Corporation.

6) Neles-Jamesbury.

11. Dampers

a. Air Balance Inc.

b. Don Park Inc.; Autodamp Div.

c. TAMCO (T. A. Morrison & Co. Inc.).

d. United Enertech Corp.

e. Vent Products Company, Inc.

C. BSU Typical Sequence of Operations (Attached)