



Pete K. Rahn, Director

ADDENDUM # 2
August 4, 2006

To: Plans and Specification Holders of List For:

Missouri Department of Transportation – D5 HVAC Office Renovation

Scope of Work is hereby revised to read as follows, please include the following items in the addendum for the above-referenced project:

1. Section 01100 – Summary- add the following sentence to 1.5.A. “Rooftop unit down time shall be coordinated with the Owner to be favorable with outdoor temperatures.”
2. Section 01500 – Construction Facilities and Temporary Controls- shall be modified as follows:
 - a. 1.8 Protection of Installed Work, add item G.
 - i. G. Provide dust and debris control measures to protect existing furnishings.
3. Section 15900 – HVAC Instrumentation and Controls- shall be modified to allow a LonWorks open protocol system as follows:
 - a. 1.4 System Description –
 - i. A. Revise the last sentence to read, “System must use BACnet or LonWorks protocol down to the controller level.”
 - ii. B. Automation Network, revise #3 to read, “3. Network Panels shall reside on the automation network and shall support BACnet Standard Ethernet IP or LonWorks over IP.”
 - iii. C. Control Network, revise #1 to read, “1. Network Panels shall provide supervisory control over the control network and shall support BACnet Standard MS/TP Bus Protocol ASHRAE SSPC-135, Clause 9 or LonWorks ANSI/CEA 709.1 “LonTalk”.”
 - iv. C. Control Network, revise #4 to read, “4. Control network communication protocol shall be BACnet Standard MS/TP Bus Protocol ASHRAE SSPC-135 or LonWorks ANSI/CEA 709.1 “LonTalk”.”
 - v. D. System Tools, revise #5 to read, “5.a. BACnet Devices, b. LonWorks Devices.”
 - b. 2.1 Manufacturers –
 - i. 1. DDC Systems: add, “f. Reliable Controls.”
 - ii. 2. Control System Components: add, “k. Reliable Controls.”
4. Section 16269 – Variable Frequency Controllers – shall be modified as follows:
 - a. 2.2.P. Communications: Provide an interface allowing VFC to be used with an external system within a multidrop LAN configuration. Interface shall allow all parameter settings of VFC to be programmed via BMS control. Coordinate interface protocol with new BMS system. Provide capacity for VFC to retain these settings within the nonvolatile memory.
5. Sheet M1.3 – Basement, Second Floor, and Roof Renovation Plans- all references to BACnet shall be replaced with, “BACnet or LonWorks.”
6. Sheet M1.4 – First Floor Mechanical Renovation Plans- all references to BACnet shall be replaced with, “BACnet or LonWorks.”
7. Sheet M6.1 – Mechanical Control Sequences- all references to BACnet shall be replaced with, “BACnet or LonWorks.”

All other terms and conditions remain unchanged.

END OF SECTION