

DIVISION 22

22 4000 Plumbing Fixtures: Updated preferred manufacturers for water closets, urinals, and associated automatic flush valves.

DIVISION 23

23 0900 Control Systems UMKC: Updates are noted with line in left margin. Provided in Word and PDF format.

23 0900 JCI Control Systems MU: Part 2.Q.3. Air Differential Pressure Transmitter: Updated preferred model.

23 0900 Building EMCS Network Schematic (MU): Updated in AutoCAD and PDF format.

DIVISION 26

26 2923 Variable Frequency Motor Controllers: Updated Part 2.01 MANUFACTURERS.A&C - Model numbers. Part 2.03 D. Reduced maximum PWM carrier frequency to 12000 Hz.

26 3000 Facility Electrical Power Generating and Storing Equipment: Added 2 new paragraphs at the end of Design Guidelines. See line in left margin on page 2.

26 3200 Packaged Generator Assemblies: Added Part 1.4.2 Building Automation System Alarms, and provisions in part 5.3 Electrical as noted by the line in the left margin.

26 3623 Automatic Transfer Switches: Added provisions for ATS to enunciate Transfer Switch Trouble through the building automation system. See additions/updates as noted by line in left margin.

DIVISION 28

28 3100 Fire Detection and Alarm: Multiple revisions throughout. Paragraphs edited are noted with a line in the left margin.

DIVISION 33

33 1216 Water Utilities Distribution Valves: Design Guidelines 1.1.3 Valve Boxes – Deleted concrete “collar”, added multi-fit adaptor.

33 1216 Detail-Gate Valve.dwg: Deleted concrete “collar”, added multi-fit adaptor.

33 1219 Detail-Fire Hydrant.dwg: Deleted concrete “collar”, added multi-fit adaptor.

33 1233 Detail-Water Meter.dwg: Updated detail showing pressure gauge before backflow.

33 1233 Detail-Water Meter Wiring.dwg: Updated detail showing pressure sensor, also added AutoCAD format.

33 3100 Sanitary Sewers: Deleted Design Guideline #7; Added Specification Requirement 9.2 for MS&T campus requirements; Added Specification Requirement 9.5 for warning tape installation.

33 4000 Storm Drainage System: Revised Design Guideline 17; Added Specification Requirements 1.2 -1.4 to allow additional storm sewer pipe options. Added Specification Requirement 6.2 for MS&T campus requirements; Added Specification Requirement 7.1 for warning tape installation.

33 6113 Hydronic Energy Distribution: Entire section was reformatted for clarity.

33 6113 Butterfly Valve.dwg:

33 6113 CW Vent Box Detail.dwg: Updated detail showing vent valves down on main with multi-fit adaptor.

33 6117 Hydronic Energy Distribution - Chilled Water Valves & Vents: Numerous modifications (deletions and additions) throughout the document. Edited paragraphs are noted with a line in the left margin.