

SECTION 23 09 23

DIRECT-DIGITAL CONTROL SYSTEM

PART 1 - GENERAL

1.1 DESCRIPTION

A. The control system(s) shall be as indicated on the project, drawings and as described in these specifications. This scope of work shall include a complete and working system including all engineering, programming, controls and installation materials, installation labor, commissioning and start-up, training, final project documentation and warranty. The system shall include necessary hardware equipment and software to allow data communications between the controls system and the existing "Andover Continuum Building Automation System" for Perry Point Veterans Administration Maryland site. See attachment: Andover Controls Corporation Continuum Building Automation System following this section defining BAS.

B. The Contractor's work shall include all labor, materials, special tools, equipment, enclosures, power supplies, software, software licenses, Project specific software configurations and database entries, interfaces, wiring, tubing, installation, labeling, engineering, calibration, documentation, submittals, testing, verification, training services, permits and licenses, transportation, shipping, handling, administration, supervision, management, insurance, Warranty, specified services and items required by the Contract for the complete and fully functional Controls Systems. The new system devices shall be the product of "Andover Controls Corporation". The new system including interface to existing system and equipment shall be installed by "Control Sources LLC, 8860 Kelso Drive, Baltimore MD 21221.

C. DDC Schematic