



TCA Controls

TCA Controls provides integrated HVAC controls solutions for commercial and industrial HVAC Systems.





TCA Controls

Building Automation

TCA Controls designs, programs and installs HVAC control systems with custom Graphic User Interfaces(GUI), touch screen with mobile access, remote monitoring and control. The products we specialize in are Tridium Niagara, Johnson Facility Explorer/Metasys, Distech Controls, and Honeywell Controls. Whether you need complete Building Automation System (BAS) or integration of your HVAC equipment into an existing BAS, TCA Controls can meet your building automation needs. TCA Controls has successfully installed controls into some of the most exacting environment in Eastern MA, ME, NH, and RI.

Overview

- **Over 25 years of controls experience.**
- **Offices in Newburyport and Canton, MA.**
- **Knowledge of many different control brands.**
 - Johnson, Tridium AX/N4, Tridium R2, Distech, Honeywell, Alerton, Schneider Invensys TAC and Struxureware.
- **Services Provided**
 - Building Automation and Controls
 - Solutions for all HVAC equipment (Boilers, Pumps, Chillers, Cooling towers, RTUs, AHUs, VAVs, etc...)
 - Startup and Maintenance of Phoenix Valves.
 - Energy Monitoring
 - Panel Building
 - Engineering
 - Custom Programming
 - Controls Building Assessment
 - Sales
 - Service/ Preventive Maintenance
- **Type of Jobs**
 - Biotech/Pharma
 - Healthcare
 - Public Schools
 - Colleges & Universities
 - Defense
 - Manufacturing
 - Cannabis Cultivation
 - Retail
 - Hospitality

Controls Department

- Dedicated Sales Team
- In house Engineering
- (5) Senior HVAC Controls Technicians
- (3) Junior Controls Tech



Examples Of Full Company Projects

Types Of Jobs.

- Turnkey Direct to Owner Sale
- Private work where we can package equipment, Controls, and Startup/Mechanical.
- Standalone Bids on private work with select customers
- Control upgrades on existing equipment
- Cannabis Grow facilities
- Retrofits

Examples

- **Harbor Chase - Bid**
 - (10) RTUs – **Tempmaster.**
 - (6) ERVs – **Aaon.**
 - (1) MAU – **Aaon.**
 - VRF System – **Panasonic - Integrated to the TCAC Frontend.**
 - (170) indoor units and (33) outdoor units
 - (10) Exhaust Fans - **Distech Controllers.**
 - (10) FCUs – **Distech Controllers.**
 - Building Management System – **Tridium N4.**
 - All Aaon, Panasonic and Tempmaster Started by TCA Solutions.
- **Subcom – Direct to owner**
 - (15) RTUs replaced with Aaon – **TCAC New units with Controls**
 - (1) Lennox RTU – **TCAC Reprogram and New Controls.**
 - (9) Existing Aaon Units – **TCAC Reprogram and New Controls.**
 - (1) Cooling tower - **TCAC Reprogram and New Controls.**
 - (1) Desiccant unit – **TCAC Reprogram and New Controls.**
 - (2) Chillers – **TCAC Reprogram and New Controls.**
 - Lennox VRF System – **Integrated to the TCAC Frontend.**
 - Building Management System – **TCAC Custom Tridium N4.**
 - TCA Solutions startup on the equipment/ PM
- **Aura Cannabis – Cannabis Grow Facility**
 - (18) Aaon AHUs with associate condensing units. – **TCAC Tridium N4 Controls.**
 - Lennox VRF System - **Integrated to the TCAC Frontend.**
 - (1) Aaon MAU – **Aaon Controls Integrated to the TCAC Frontend.**
 - TCA Solutions Startup on equipment /PM

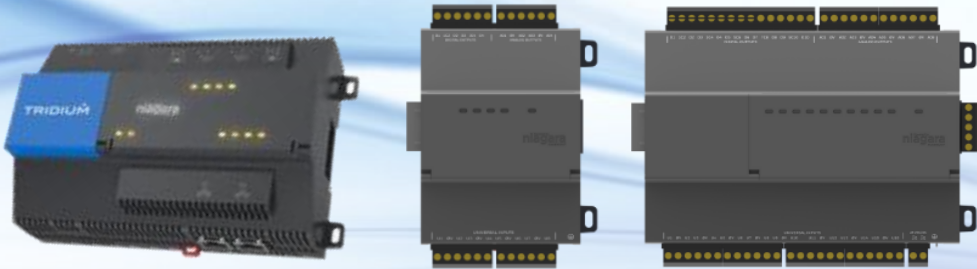
Before



After



DDC Controller Brands



Tridium N4 Controls



Johnson FX Series BACnet/IP and MSTP controllers

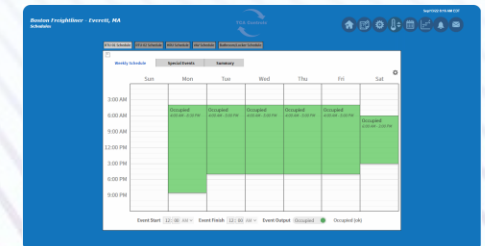
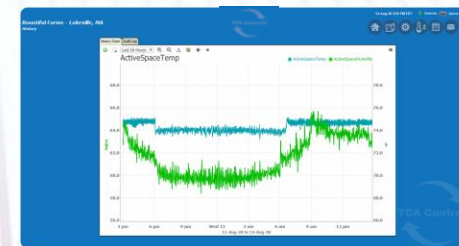
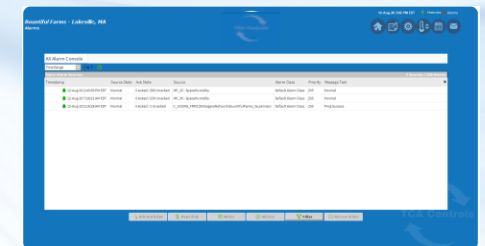
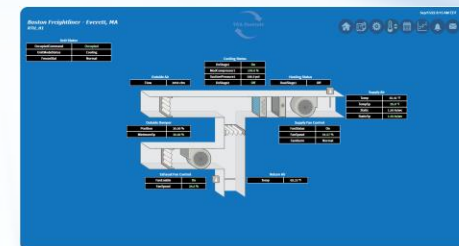
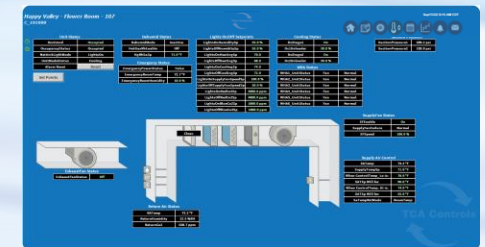
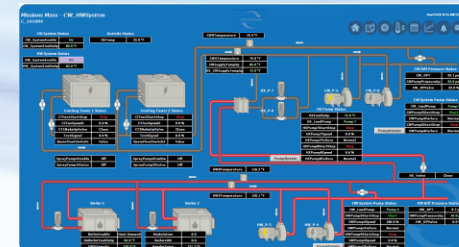
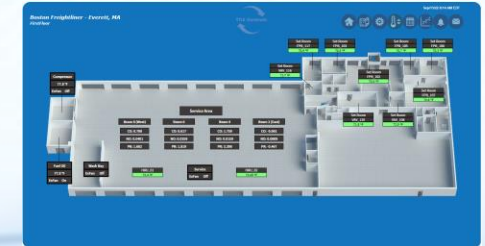


Distech BACnet/IP, MSTP, and Lon works controllers

Building Management System

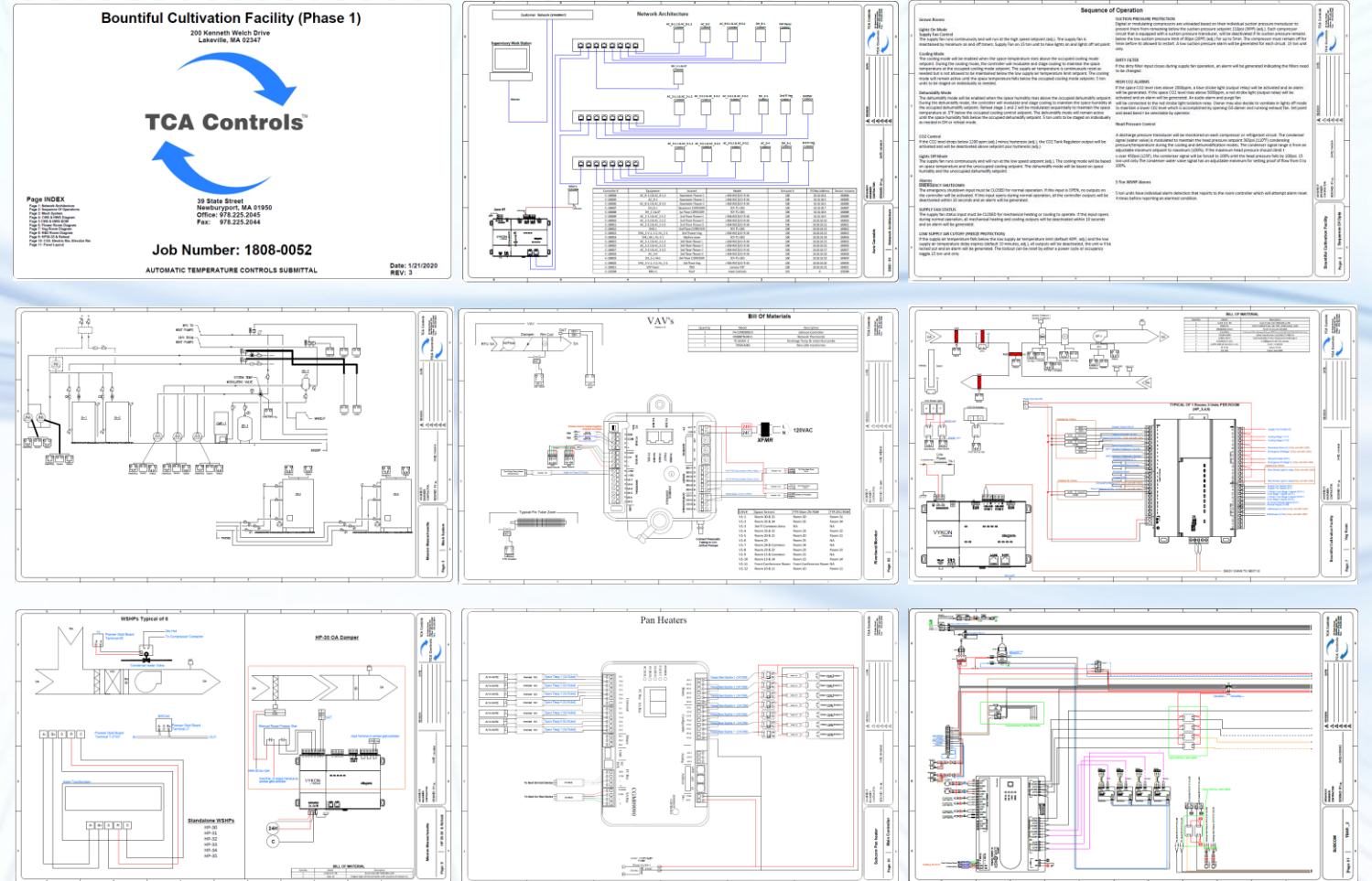
Custom Frontend

- All your HVAC and lighting in one location.
- Trending, alarms/emailing, status and temp monitoring, setpoint changes, scheduling.
- Integrate different types of equipment from all different kinds of manufacturers.
- Boilers, Chiller, Heat pumps, VAVs, VRF, RTUs, AHUs, FTRs, etc.
- Lon works, BACnet/MSTP, BACnet/IP, Modbus.



Full Control Submittals

- In house controls engineering.
- Quick turn around on lead times for detailed wiring diagrams and resubmittals.





TCA Controls

Call: 978.225.2045

Email: Sales@TCA-Controls.com

Building Automation

Integrated HVAC controls solutions for commercial and industrial HVAC Systems

System Integration

Open protocol, single platform graphic user interface with remote access capability

Energy & IAQ Management

Open protocol, single platform graphic user interface with remote access capability

Interactive front end with 3d floor plans that provides a "single pane of glass" allowing

you to monitor your equipment's function and give you access to adjust your building

schedules and setpoints; view temperature, humidity and air quality in spaces; and

check statuses of boilers, pumps, chillers, and more