

SECTION 23 09 23

SPECIFICATIONS

TAG: CASLink Building Management System, SCADA

PART 1- GENERAL

1.1 SUMMARY

- A. Building Management System (BMS), utilizing Direct Digital Controls (DDC).

1.2 DESCRIPTION

- A. CASLink is a cloud-based Building Management System that can be used to monitor, control and optimize the operation of kitchen ventilation, lighting, utilities and HVAC equipment. It gathers sensor data, component operating data, alarms, user and factory settings information periodically.
- B. Information is displayed in a user-friendly interface hosted on the CASLink website, which is accessible through a secure login to owners and operators using an internet enabled device.
- C. Email alerts based on sensor data and system alarms, both prescriptive and custom, can be set up on demand.

1.3 SUBMITTALS

- A. The manufacturer assumes no liability for the use or results of use from this document. Specifications are to be reviewed by the engineer to confirm the requirements of the project and meet Federal, State, and Local codes.
- B. As the manufacturer continues product development, it reserves the right to change the design and specifications without notice.

1.4 WARRANTY

- A. All units shall be provided with the following standard warranties:
 - 1. System is warranted to be free from defects in materials and workmanship, under normal use and service, for a period of 2-years from date of shipment.
- B. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 60-month warranty period, upon examination by the manufacturer, such part will be repaired or replaced by manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.
- C. Refer to Manufacturer's Operation, Installation, and Maintenance (OIM) Manual for detailed descriptions of what is/is not covered and contact information for warranty claims.

PART 2- PRODUCTS

2.1 GENERAL

- A. CASLink is implemented by a SCADA module installed in an electrical control panel or in an electrical cabinet. The SCADA module serves as a gateway to communicate locally

gathered data from CASLink-enabled controllers to CASLink's servers. Data is transmitted via a factory installed cellular device, which is integral to the SCADA module.

2.2 COMPONENTS

- A. System integration (Products Not Furnished or Installed)
 - 1. Kitchen Hood Demand Control Ventilation Systems
 - 2. Kitchen Hood Smart Control Systems
 - 3. Paragon Dedicated Outdoor Air System
 - 4. Direct Fired MUA Controls
 - 5. Indirect Fired MUA Controls
 - 6. RTULink Cloud-Based Thermostat
 - 7. CORE Fire Protection
 - 8. TANK Fire Protection
 - 9. High Volume Low Speed (HVLS) Fans
 - 10. Lighting Control Panel
 - 11. Hood Self-Cleaning Remote Manifold

PART 3- EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions under which the system is installed. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to Installer.

3.2 APPLICATION

- A. CASLink monitors relevant sensor and system data at adequate data rates which allows users and support teams to assess performance and diagnose alarms remotely. Gathered data is displayed and organized in a user-friendly interface which can be accessed by customers and manufacturer engineering support teams.
- B. CASLink's website requires login credentials. These can be created for owners and operators as needed. Two-factor authentication is required for enhanced security.
- C. CASLink's interface allows for adjustments of critical system settings such that performance can be optimized remotely using historical data. CASLink processes historical data to create dashboards that include real time operating information, analytics and insights derived from proprietary machine learning algorithms.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions, drawings, written specifications, manufacturer's installation manual, and all applicable building codes.