Caddy Smart Hood Design Checklist

Consultant Name:
Project Name:
Project Location:
Project Type:
Date:

Design Phase

What type of DCV system (Caddy Smart Hood) will be required on this project?

- ☐ Temperature-only (Caddy Smart Hood)
- ☐ Optic (blue beam) based system- includes temperature sensors. Caddy Smart Hood with Optics.
- ☐ Automatic balancing dampers (modulating). Caddy Smart Hood Plus. If unknown at the time of design, Caddy and can assist in designing a system which maximizes energy savings potential.
- ☐ Multiple systems needed
- ☐ Will the Smart Hood keypad need to be wall mounted or flush wall mounted on the hood, in Ansul cabinet, in a controls cabinet either hood side mounted or remote.

- ☐ Will hood lights need to be connected to Smart Hood? If individual hood light switches are wanted, this would be recommended to be separate from Smart Hood (for multiple hoods on one keypad).
- ☐ Will there be any need for cloud-based services or remote monitoring of the system(s)?
- ☐ Will there be any need for BACnet communication to any applicable Building Automation Systems?
- ☐ If yes, will it be done via IP

VFDs

Who will be providing the Variable Frequency Drives (VFDs)? Exhaust/ MUA

- ☐ Caddy exhaust VFD
- ☐ Caddy MUA VFD
- ☐ Mechanical exhaust VFD
- ☐ Mechanical MUA VFD
- ☐ Standard VFD
- ☐ Bypass VFD

- ☐ Location of VFDs
- ☐ Is a VFD cabinet needed (size and location)
  Smart Hood is compatible with most manufacturers of VFDs and EC motors
- ☐ Any mechanical information and or drawings (fan info, make and HP)

Final Design Phase and Pre-Construction Phase

- ☐ Coordination meeting between Mechanical Engineers, Controls Engineers, Caddy, and KES to confirm items being provided, system compatibility requirements, etc.
- ☐ Mechanical and Food Service drawings are sent to Caddy and KES, inclusive of mechanical Schedules.

Construction Phase

- ☐ Coordination meeting between mechanical contractor, controls contractor, Caddy, and KES to confirm the following items on this list.
- ☐ Ensure electrical contractors will be furnishing and tying in a dedicated 120V to power the Smart Hood processor panel.
  - Will hood lights also be connected to the Smart Hood processor? This can also be fully separate if preferred.
- ☐ Ensure electrical contractors will be powering the VFDs for both line and load power requirements.
- ☐ Ensure electrical or controls contractors will furnish and run low voltage communication wiring as necessary between Smart Hood processor panel and exhaust fan VFDs.
- ☐ Ensure electrical or controls contractors will furnish and run low voltage communication as necessary between the Smart Hood processor and makeup air units (MAUs) and associated MAU VFDs.
- ☐ Ensure electrical or controls contractors will furnish and run low voltage communication as necessary between the Smart Hood processor and automatic balancing modulating dampers if applicable.
- ☐ Ensure site is aware the ideal time for a system startup is after the hoods have been hung, VFDs are mounted and powered, and power is run to the Smart Hood processor panel (system is ready to go) Please give us at least two weeks' notice to schedule startup.