

SERVICE DESIGN VERIFICATION (SDV) READINESS CHECKLIST

Service Design Verification (SDV) includes one trip to site to verify all CaptiveAire equipment is operating within design specifications. The following items must be completed prior to scheduling SDV. Should these items not be completed, additional charges may apply if subsequent site visits are necessary.

SDV must be scheduled at least 2 weeks in advance. Please return this completed checklist to casservice361@captivaire.com to confirm your SDV appointment.

EXHAUST FANS

- Exhaust fan(s) is/are installed
- Hinge kits (where applicable) are installed correctly
- Grease cups are installed correctly
- Grease drain installed correctly
- Wiring from Hood Control Panel to Fan Disconnect is complete
- Exhaust ductwork is connected to fan base/curb/adapter
- Fan rotation direction verified

MAUS

- MAUs are installed
- Gas (where applicable) is connected to units
- Gas lines (where applicable) have been purged
- Wiring from Hood Control Panel to motor drop is complete (where applicable)
- Wiring from Remote Panel (where applicable) to control drop is complete
- Heater control wiring (for hood controls w/ VFDs) is complete
- Motorized backdraft damper wiring (for hood controls with VFDs) is complete
- Wiring to Electric Heat module (where applicable) is complete
- Wiring to Condensing Units (where applicable) is complete
- Wiring to Evap Module (where applicable) is complete and freeze protection drain kit is plumbed and wired

CONTROLS

- Control panel is installed
- Room temperature sensor is installed & connected
- Hood duct temperature sensors are connected
- Hood lights are connected
- Fire system microswitch is connected
- Fan power from breaker panel is connected
- Fan output power to fans is connected

CURBS

- Curb mounted properly to roof
- Curb adapter (where applicable) has gasket installed
- Curb guy lines (where applicable) are securely attached
- Vibration dampeners properly installed (where applicable)

SITE REQUIREMENTS

- Building has permanent power
- Building has gas (if applicable)
- Equipment is accessible
- Equipment has had a complete startup per the installation manual
- T&B has been completed on all equipment

HOODS

- Hood(s) is/are hung properly
- Supply plenum(s) is/are hung properly
- Exhaust ductwork is completely installed
- Supply ductwork is completely installed
- Hood accessories (wrappers, end panels, backsplash, etc.) are installed
- Fire system installation is complete
- Lights are installed and operational
- Grease filters are installed
- Duct temperature sensors are installed

TANK FS

- 120V AC gas valves $\frac{3}{4}$ " – 2" can be mounted with the solenoid in any position horizontal and above. 120V AC gas valves $2\frac{1}{2}$ " – 3" must be mounted with the solenoid in the vertical-upright position. The pipe must be horizontal. All 24V DC gas valves must be mounted with the solenoid in the vertical-upright position. The pipe must be horizontal. Proper clearance must be provided in order to service the strainers. A minimum of 4" clearance distance must be provided at the base of the strainer.
- All field-supplied wire for the optional fire system

- Each VFD load is wired in separate conduit
- Control Panel power from breaker panel is connected
- Field wiring completed correctly
- release solenoid and/or firestats must be high wire rated for 842°F minimum (#441601C6.FE9 white and #441601C6.FE0 black)
- Electrical IAW CaptiveAire drawings ready to energize.
- Ensure fire alarm (terminals AL1/AL2 on the core board) and trouble, if applicable, (TBL/TBC on terminal strip) are complete.
- It is recommended to use Belden #88760 for the fire system interlock network when more than one core board is present.
- Emergency push button must be in dedicated conduit from fire system ECP (terminals 101 – 104) to wall location (10 – 20' from hood in path of egress, mounted 48" from floor) use single gang deep box. If not recessed, additional spacer for cover is required. It is recommended to use Belden #6320UL, 18 gauge, plenum-rated wire.
- Gas valve, pressure switch, shunt trip breakers are wired into the system.
- If mounted in the ceiling, ensure there is minimum 3' clearance for service.
- All hood temperature sensors are wired in. Includes room sensor, riser/capture sensors not factory installed, PSP sensors and AC-PSP sensors.
- All VFD loads wired in individual conduit.
- All cooking appliances are in place.

Site Address: _____

Installing Contractor:

Company	Contact Phone
Representative(Print)	Signature