

KB Energy Consulting, LLC - Title 24 Building Data Checklist - NonResidential Mechanical

CONTACT DATA

Contact Name: _____ Phone: _____ Email _____

Company Address (Street): _____

Company Address (City/State/Zip): _____

PROJECT BUILDING DATA - Please include the following data with the plans & specifications you are providing us:

Project Name: _____

Project Address: _____

Scope: Please indicate if the project is: New Construction / Addition / Alteration / Existing space heated or cooled for the first time

Plans included: ___ Site Plan ___ Floor Plan(s) ___ Exterior Elevations ___ Sections ___ Details ___ Project Title Block
___ Mechanical Plans ___ Mechanical Unit Schedule

Please provide the following specifications & information:

1. **Envelope Information** Please see the KBEC "Title 24 Building Data Checklist – NonResidential Envelope" checklist for the information needed for building envelopes.
2. **HVAC System Designer:** _____
3. **Brief Narrative** of HVAC System's Energy Efficiency Features
4. **HVAC Systems** – Provide mechanical plans, unit schedule, make, model number & energy specifications for each unit
5. **HVAC Zones** – Provide spaces, occupancy types & densities, and conditioned floor areas, served by each space heating/cooling/ventilation unit. Marked up duct layouts and/or floor plans clearly indicating the entire zone served are especially helpful.
6. **Package Units** – Provide make & model number, rated heating / cooling / ventilation capacities & efficiencies, & relevant (only) manufacturer's specifications. For heat pumps, indicate auxiliary electric strip heating capacity, if any.
7. **Fans** – Provide Brake Horse Power (BHP), CFM, and motor control (e.g. CV, VFD, etc) for each supply, return, & exhaust fan.
8. **Economizers** – Indicate units with economizers and type (e.g. integrated differential enthalpy)
9. **Occupancy & Process Loads** – Indicate occupancy & process load assumptions, and diversity factor, if any.
10. **Ducts** – Location (e.g. outside?) and insulation.
11. **VAV & Built-Up Systems** – Contact KBEC for additional information needed, including : minimum airflow settings at VAV boxes, reheat locations (if any), and built-up equipment (chillers, boilers, cooling towers, etc.) energy efficiency specifications (make, model number, rated (heating/cooling/fan/pump) capacities, efficiencies, control types, and temperature settings.

Disclaimer: KB Energy Consulting, LLC (KBEC) is providing Title 24 documentation services only, based on plans & specifications provided by you or others. Our services and reporting shall, in no manner, be deemed to constitute "design", "specification", or "construction" services, and they shall not be used for design, specification, or any other purpose.