

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

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

Brief Description: _____

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

1. **Orientation** – Please provide a site plan or other plans indicating true north in relation to the building
2. **Conditioned Floor Area(s)** (by occupancy type if known) / Unconditioned Floor Area's & Locations/ Total Floor Area
3. **Wall Construction Details (framed):** Height, Depth, Framing (type & spacing), Insulation (type, thickness, R-Value, & location in relation to framing)
4. **Wall Construction Details (masonry):** Height, Material type, thickness, Insulation (type, thickness, R-Value, & location in relation to framing, if any)
5. **Roof Construction Details:** Height, Depth, Deck type, Framing (type & spacing), Insulation (type, thickness, R-Value, & location in relation to framing), tilt or pitch if any.
6. **CRRC Cool Roof Specifications:** Aged Solar Reflectance & Aged Thermal Emittance ratings
7. **Soffits / Exposed Floors:** Depth, Framing (type & spacing), Insulation (type, thickness, R-Value, & location in relation to framing), Sections
8. **Doors:** sizes, locations, material, insulation (type, thickness, R-value), overall R-value or U-factor for the entire door assembly.
9. **Fenestration (vertical glazed windows & skylights):**
 - a. Please identify each glazing type, location, and overall dimensions including framing
 - b. **Factory-Assembled or Site-Built** (e.g. "storefront" or "curtainwall" systems)
 - c. **Glazing framing type(s):** metal / vinyl / wood / fiberglass / other (specify)
 - d. **Glazing Characteristics:** single or dual pane / clear or tinted / Low-E coating
 - e. **Glazing Manufacturer / Model Name**
 - f. **Glazing Solar Heat Gain Coefficient (SHGC)**
 - g. **NFRC Ratings for window system overall U-Factor and overall SHGC including framing (if known)**
 - h. **Overhangs & Fins that shade adjacent windows – location & dimensions (depth etc.)**
 - i. **Skylights - please indicate if glass or plastic glazing, and whether or not the skylight is on a curb**

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.