Project Team

- **OWNER:** Bakersfeld College (BC)
- **OWNER'S REPRESENTATIVE:**
- **AE:** Ordiz Melby Architects, Inc.
- **BUILDER:** S.C. Anderson, Inc.

Project Statistics

- **USE:** Administration Offces, Lecture Halls, Bookstore, Cafeteria, Ballroom
- **SIZE:** Three stories. Total building area: 69,205 square feet
- **CONSTRUCTION VALUE:**
- **CERTIFICATION(S):** BC seeking BREEAM certifcation

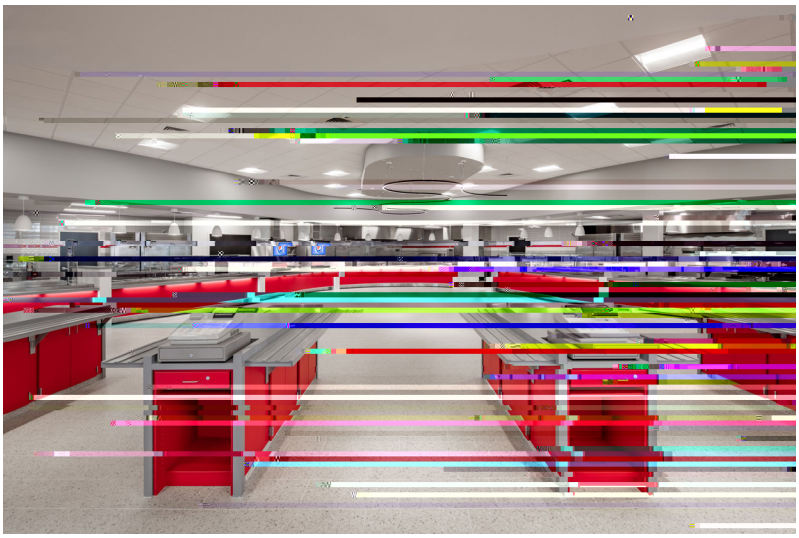
What is the most exciting sustainable feature of your project?

The Kern Community College District (KCCD) – Bakersfeld College (BC) ABC Campus Center project stands out for its multifaceted approach to sustainability, incorporating several innovative features that collectively contribute to its environmental and social value. Among the most exciting sustainable aspects of the project are the embodied carbon reduction achieved by reusing signifcant portions of the existing structures and the strategic use of metal shade canopies to minimize solar heat gain on the south side of the new three-story building. These canopies, in conjunction with high-performance windows and entry vestibules designed to mitigate temperature fuctuations, exemplify a holistic

What was the most interesting sustainable feature that didn't make it into the final project?

One of the most interesting sustainable features that did not make it into the final project was the incorporation of perforated metal canopies designed for window shading on the east elevation. These canopies, along with planned green spaces in the courtyard, were envisioned to further reduce heat gain within the building, thereby decreasing the reliance on mechanical cooling systems.

The decision to exclude these features was primarily budget-driven, as they were considered add alternates. Despite their exclusion, the project still achieved significant sustainability milestones through other measures. However, the perforated metal canopies and additional green spaces would have added an extra layer of energy efficiency and aesthetic value to the project, enhancing the environmental benefits and the overall user experience of the campus center.



Dining Commons / Cafeteria

What impacts will this project have on the environment and community?

This project is seeking BREEAM certification for the project. Some of the most exciting features focus on:

- **Embodied carbon reduction** by reuse of buildings and
- **Operational carbon reduction** by utilizing onsite cooking to reduce transportation
- **Interconnected transportation** available to reduce operational carbon from car trips
- **Energy efficiency** by means of building orientation, shading, and high-performance building envelope design
- **Minimized solar heat gain** by reused structures creating shade
- **Natural ventilation** from courtyard decks on multiple levels
- **Significant water reduction** at fixtures
- **Local indigenous vegetation** for ultra-low landscaping
- **And much more!**

About the Project

CMAA has created the Sustainability Project Spotlight as a regular focus given