Intermodal Transfer Facility
Watsonville, California

Civil and Structural Engineering

Mesiti-Miller Engineering produced the civil and structural engineering design for 8,000 square feet of steel, concrete and wood framed public buildings, as well as the adjacent site improvements for a twelve-bus transit facility for the Santa Cruz Metropolitan Transit District.

The main terminal building was created by the total transformation of an older 4,000 square foot commercial bank building into a contemporary steel and wood framed structure with multiple roof and ceiling levels. This facility also includes six modular type buildings grouped together to create an open-air retail mercado adjacent to the main terminal. The coherent, simple structural schemes we developed for both the main terminal building and the modular mercado buildings was instrumental in keeping construction costs to a minimum on this tightly budgeted project.

All site improvements were designed in full compliance with all ADA requirements. Because the site was located in a tight downtown location, during the design process we verified many critical bus-maneuvering patterns with full-scale mockup tests.

Client Reference:
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Budget: $1.7 Million