

## Featured Project

### Solano Community College Building 1700B

Fairfield, California

Solano Community College was originally established in 1945 as a Junior College. Since then, it has grown to become part of California's public community college system, servicing eight communities.

The Solano campus, encompassing 192 acres, with a student population of 11,000, required extensive modernization as well as new construction to meet the demands of its growing community.

This project consisted of power distribution and lighting design for the construction of a new 8,000-square-foot exercise building (Building 1700B). This project included design of a new building feeder from an existing on-site substation. Building layout consisted of a weight room, adaptive physical education room, classroom, offices, storage rooms, and restrooms. In addition, site and parking lot lighting design was included in the vicinity of the new building. ArcSine provided the following work items:

- Detailed field investigation.
- Site power distribution design for new building feeder from existing substation.
- Coordination with on-site campus-owned fiber optic systems for telephone/data/fire intrusion.
- Design of MDF and IDF distribution equipment.
- Fire alarm coordination
- Project included a lighting design around energy-efficient T5 lamps.
- Lighting control system utilized Lutron's ECO-system for campus integration.
- Design of central inverters for emergency lighting.
- Complete engineering Services During Construction.

Electrical  
Programming  
Lighting  
Power Distribution  
Controls



*Prior to construction*



*Weight Room*



*Building 1700B*

