Technical Education Center
PBSC’s 1st LEED building will house trade and industry programs serving the western communities. This two-story building will accommodate Welding & Construction trade shops, a Criminal Justice training center, Cosmetology labs, classrooms, multipurpose meeting rooms, Administrative Offices, a Drafting & Design Studio and a food service area with a two-story dining/common area.

Why Build GREEN?
The built environment has a profound impact on our natural environment, economy, health, and productivity. Contaminant filled work environments can cause occupants to work less efficiently and sometimes even get sick. To address these challenges, the goal of green building design is to maximize the economic and environmental performance of the typical design and construction practices through energy efficiency, natural resource conservation, improved building occupant health and increased productivity, all while maintaining economic viability. In this way green buildings benefit all building stakeholders including the building owners, occupants, visitors, and the surrounding community.

SUSTAINABLE SITES
Providing 26 low emitting/fuel efficient vehicles preferred parking spaces with no new parking added
Reflective roofing and permeable paving materials to reduce heat island effect
Over 50% reduction in stormwater runoff with the use of rainwater storage, grass swales and control structures

WATER EFFICIENCY
Rainwater reuse for flushing toilets and low flow plumbing fixtures reduce overall water consumption by 80%
Native/adaptive landscape design requires no permanent irrigation system
Rainwater collection saves 118,000 gallons of potable water a year

ENERGY AND ATMOSPHERE
29% energy cost savings using insulated windows, occupancy sensors, energy efficient interior lighting, natural gas and renewable energy sources
3.6% of the total annual building energy usage is provided by renewable solar power

MATERIALS AND RESOURCES
Enhanced campus wide recycling program
Recycled content in products such as drywall, metal studs, flooring, ceiling tiles and concrete
FSC certified wood products such as fiber board cabinet substrates and composite wood doors

INDOOR AIR QUALITY
Adhesives, paint, carpet and composite wood products with low/no volatile organic compounds (VOC)
77% of occupied spaces are provided with natural daylight, many through the use of solar tubes and 92% of occupied spaces are provided with views
100% lighting control and 57% thermal control in all full time occupied spaces

ASTORINO
Architecture engineering interior design build