1. PROJECT SUMMARY

- The Soledad Education Center located in South Monterey County will be at the visually prominent corner of Metz Road and Orchard Lane.

- The planned one-story facility, built on a +/- 2 acre portion of the overall 8-acre site, will help maximize land use efficiency. The 15,000 gsf multi-purpose educational facility will include Math and Science Labs, a Student Success Center and a 1,300 sf dedicated Community Room that will serve the District and the surrounding neighborhood.

- The technology integrated into the facility will provide students the flexibility of distance learning as well as the opportunity for social engagement at the center.

- Related site improvements including all utilities, parking, hardscape/landscape and outdoor waiting area, and other site elements.
2. BUILDING

Access, Circulation & Community

• Building circulation should be apparent from the main entrance, to guide visitors unfamiliar with the facility, and allow them to orient themselves quickly.

• Natural light in corridors and other internal circulation spaces is highly desirable and will be used as an orientation device wherever possible.
Natural Light

- A visual and physical connection to nature and the outdoor patios will be provided as a respite for faculty and students.

- Natural light in office, classrooms, and conference room spaces is highly desirable but must be controllable for glare and for audiovisual presentations.

- Shades will provide the option of darkening with manual control as well as control glare and reflection. This is also critical, particularly in spaces, where reflection of light can have a negative effect upon user’s ability to see a presenter, a marker board, a computer screen, each other, or audio-visual presentation material.

- Natural light in the office spaces must also be controlled. Sun-shading devices will assist in controlling the light, however, window shades will be utilized for all glazing and especially to control glare, harsh South light and morning and afternoon sun in the East and West directions.
Acoustical Design

• The acoustic design of the building will play an important role in providing suitable acoustic environments to allow faculty and students to perform their work. As such, this acoustical narrative will have to be developed with the District representative for the new building, which addresses:
  • Sound isolation (exterior and interior),
  • Room acoustics (acoustical surface finishes),
  • Open office acoustics,
  • Footfall noise impact and
  • Building systems noise and vibration control.

• Technology will play a central role in the building design, so providing suitable acoustic environments within AV-enabled rooms will be important for ease of communication between onsite and offsite parties.
Temperature Controls

• Control system shall be web-enabled, BACnet based, direct digital (DDC) based energy management system (EMS) manufactured by Delta Controls, Inc. Controls for the building shall be tied into the existing campus-wide EMS. The EMS shall allow scheduling, control, adjustment and monitoring of equipment function, space temperature, setpoints, and alarms from a central location. All space mounted thermostats shall be capable of tenant override of the unoccupied mode and occupant temperature setpoint adjustment within preset limits.
Interior Lighting

- Lighting fixtures throughout the interior of the building(s) will use energy efficient LED Light-emitting diode (LED) light engines.

- Occupancy sensors shall be installed for automatic shut-off controls and the use of lighting relay panel with astronomic time clock for larger open areas is allowed for shut-off (where district allows).

Lighting Controls

- To help save energy, WattStopper (or equal) manual and automatic lighting controls will include daylight sensing and dimming to meet the needs of individual task and/or group multi-share locations. Dimming drivers will help to keep lighting levels low when daylight is present in occupied spaces and thus reduce energy costs throughout the day. Dual tech occupancy sensors will be integrated to turn off lights in intermittently occupied areas, when unoccupied, and in turn unnecessary energy is not wasted.
3. **LEARNING**

- The facilities will be designed to enhance the student experience by providing state-of-the-art facilities that serve the community as well as expand student opportunities through both on-site and distance learning.
- Computers, laboratory equipment and classroom furnishings will be provided.
- Information technology infrastructure and network systems will be designed to improve efficiency and increased capacity and to support distance learning.
- Electrical service capacity will be provided to improve computer technology and internet access.
- Telecommunications, internet and network connections will be provided.
Interior Design

• Where possible, programmatic elements such as enclosed offices, conference rooms, and other elements should allow for easy interchangeability of spaces for future flexibility.

Audio Visual (AV) System

• A separate AV system will be provided in common spaces where teaching and demonstrations will take place (i.e., classrooms and conference rooms). Each system consists of:
  • A ceiling mounted video projector.
  • Interface with the data network and teaching station for controls (based on district standard equipment, HDMI, audio, VGA etc. will be specified).
  • Ceiling and or wall mounted speakers will be part of the AV system. Each AV system has its own control button station at the lectern of the community room, or teaching station at Tech Center.

• Distance Learning
PLANNING CONCEPT

• The Planning Concept Diagram/Plan below is provided for the purpose of a test fit and preliminary pricing. It shall be noted that the plans have not been reviewed by the user groups or the City Planning Agency.

Program Summary:
• Active Learning, 4 classrooms 4,800 SF
• Laboratory, 2 rooms 3,000 SF
• Lab. Prep. Storage, Office 910 SF
• Community Room 1,300 SF
• Student Success Center 1,500 SF
• Building Grossing 3,590 SF
• Building Area 15,100 SF
Diverse learning Activities, Multi -Tasking Environment, Breakout spaces, Collaboration areas, Commons spaces and technology resources.

Creative and active learning environments that support a interactive environment.
**GENERAL EDUCATION CLASSROOM**

A - Sliding whiteboard with built in casework  
B - 72" Wall mounted monitors  
C - Teacher’s Desk  
D – Projector Screen  
E – Whiteboard Wall  
F – Student Desk / Char, 40 min.

Teaching Wall Elevation:

- **Teaching Wall Elevation**
- **Teacher’s Desk**
- **KI Pirouette Table**

General Classroom Floor Plan - 40 Student min.
CLASSROOM - OPTIONAL LAYOUTS

Layout 1 – Chair and Desk

Steelcase – Shortcut
Steelcase – Verb Rectangle Table

KI Intellect

Layout 2 – Chair and Shared Desk
CLASSROOM - OPTIONAL LAYOUTS

Layout 3 – Chair and Tablet

Steelcase – Node Chair

Layout 4 – Chair and Tablet

KI Learn 2 Seating

KI Intellect Activity Table

KI Intellect Chair
Distance Learning
A - Sliding whiteboard with built in casework
B - 60” Wall mounted monitors
C – Teacher’s Desk
D– Clear story window
E – Whiteboard wall
CLASSROOM – STUDENT SUCCESS CENTER

Learner Centered Environment

- Flexible, changeable.
- Multiple and diverse teaching and learning activities.
- Cross disciplinary learning
- Distance learning
HARTNELL COLLEGE
EDUCATION CENTER – SOLEDAD
MEASURE T CAPITAL IMPROVEMENT IMPLEMENTATION

Kick-Off Presentation by In Studio Architecture