CASE FOR CAMBODIA

COMMON BUILDING:
ESA is in need of a building that will have space for group activities, housing, a kitchen, storage, and bathrooms. The building will be constructed out of concrete, steel and wood, with a clay tile roof.

SANITARY FACILITIES:
The sanitary system includes a kitchen and three full bathrooms, each with a shower, toilet, and sink. The best option for waste removal is a septic system with two septic tanks in series and a drainage field.

MISSION STATEMENT:
Our mission is to develop and implement a culturally appropriate, simple, and affordable master plan for the Eden School of Agriculture (ESA). ESA is an agricultural school, which teaches innovative farming techniques, located in the Plong village of SW Cambodia.

RENEWABLE ENERGY:
ESA is not connected to any energy grid and needs a renewable source of energy. A twelve panel solar system is used to generate the energy needs of the common building. Solar powered pumps will provide for the water demands of ESA.

WATER DISTRIBUTION & IRRIGATION:
A water distribution system is essential for public health and irrigation. A drip irrigation system, which is the most efficient use of water, will be used in ESA’s vegetable garden. The existing well will supply the bathrooms and kitchen in the common building.

BRIDGE/DAM:
A bridge and dam combination will provide better access to the ESA site and water storage for irrigation in the dry season.

Eric Immerfall
Lisa Andela
Jordan Johnston
Aaron Goodman
Elizabeth Smit