

PROJECT STATEMENT

DESIGN OBJECTIVES: DESIGN OF THE HOUSE OF TECHNOLOGY (THE HOUSE) COMBINES THE SPIRIT OF TECHNOLOGICAL DEVELOPMENT WITH A SENSE OF FUNDAMENTAL INNOVATIVE POSSIBILITIES FOUND IN THE SILICON VALLEY TO CREATE A POWERFUL AND PHYSICAL ICONIC LANDMARK OF URBAN IDENTITY. THE HOUSE WILL ENHANCE COMMUNITY LIVING BY SUPPORTING NET ZERO ENERGY DESIGN PRINCIPLES, GREEN ENVIRONMENTAL PLANNING GOALS WHILE ACTING AS A CATALYST TO INVIGORATE THE GUADALUPE RIVER PARK AND GARDENS.

HOUSE OF TECHNOLOGY: DESIGN OF THE HOUSE IS BASED ON THE BELIEF THAT IT WILL BE A BEACON OF LIGHT TO SHOW HOW INNOVATIVE PAST, PRESENT AND FUTURE TECHNOLOGICAL DEVELOPMENTS HAVE AND WILL IMPACT AND IMPROVE COMMUNITY, WORLD AND ENVIRONMENTAL CONDITIONS. THE HOUSE WILL INCLUDE A MUSEUM, AUDITORIUM, TOWNHALL FACILITIES, DIGITAL GRAPHIC IMAGE SCULPTURE AND PARKING GARAGE. THE HOUSE WILL BE LOCATED IN THE WEST SIDE AREA OF THE DESIGN COMPETITION MAP. THE TOWNHALL FACILITIES WILL PROVIDE MEETING AND “HANDS-ON” ACTIVITIES FOR CHILDREN, YOUNG ADULTS AND EMERGING ENTREPRENEURS TO STUDY EXISTING TECHNOLOGIES AND DEVELOP NEW TECHNOLOGIES.

MUSEUM: THE MUSEUM IS A TWO-STORY STRUCTURE, APPROXIMATELY 25,000 SQUARE FEET IN AREA, WHICH WILL INCLUDE THE FOLLOWING: MUSEUM ENTRANCE AND GENERAL BUILDING SERVICES AREA; PAST TECHNOLOGIES GALLERY; PRESENT TECHNOLOGIES GALLERY; FUTURE TECHNOLOGIES GALLERY; MUSEUM WORKING AND STORAGE AREA; CONFERENCE AND MEETING ROOMS; MUSEUM ADMINISTRATION OFFICES; AND FOOD SERVICES FACILITY.

AUDITORIUM: THE HIGH BAY AUDITORIUM, APPROXIMATELY 7,000 SQUARE FEET IN AREA, WILL HOUSE APPROXIMATELY 650 PERSONS.

TOWNHALL FACILITY: THE FIVE-STORY TOWNHALL FACILITY WILL HOUSE ADMINISTRATIVE OFFICES AND PUBLIC MEETING AND ACTIVITY ROOMS.

ICONIC SCULPTURE: THE HOUSE ICONIC SCULPTURE WILL STAND ABOUT 108 FEET IN HEIGHT AND COVER APPROXIMATELY 576 SQUARE FEET IN AREA. THE SCULPTURE WILL DISPLAY CONSTANTLY CHANGING DIGITAL GRAPHIC IMAGES PROTRAYING MUSEUM ARTIFACTS AND SIGNIFICANT SILICON VALLEY IMAGES AND INFORMATION.

PARKING FACILITIES: THE BUILDING INCLUDES FOUR LEVELS OF UNDERGROUND PARKING FACILITIES HOUSING A MECHANICAL EQUIPMENT ROOM, STORAGE FACILITIES AND A TOTAL OF APPROXIMATELY 380 PARKING STALLS.

RENEWABLE ENERGY RESOURCES: DESIGN OF THE MUSEUM, AUDITORIUM AND TOWNHALL FACILITIES WILL UTILIZE A COMBINATION OF SUSTAINABLE BUILDING MATERIALS, GREEN ROOF CONSTRUCTION WITH PHOTOVOLTAIC SOLAR PANELS AND OPTIMUM BUILDING ORIENTATION WITH PASSIVE SOLAR DESIGN FEATURES TO ACHIEVE A ZERO NET ENERGY BUILDING.