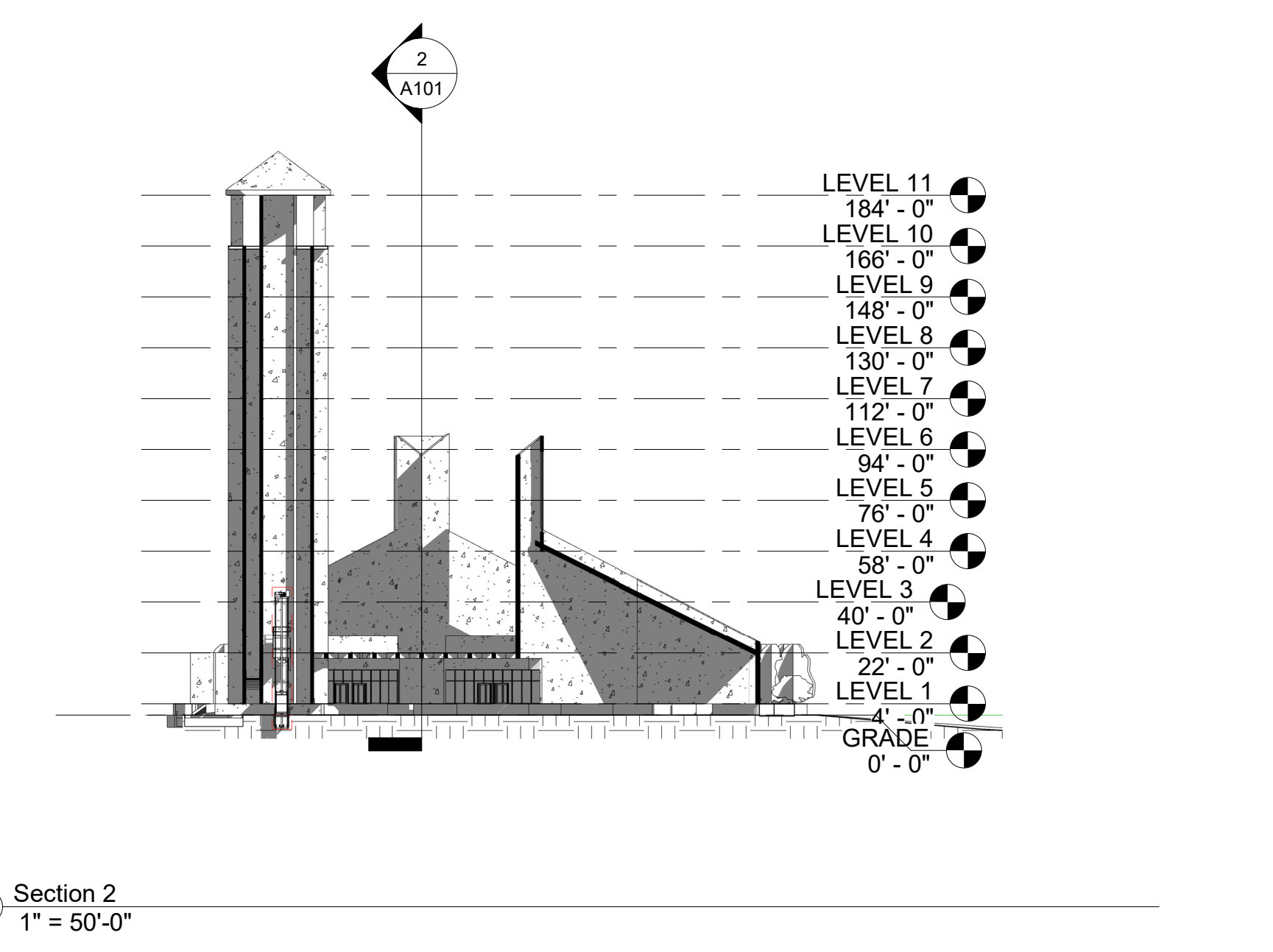
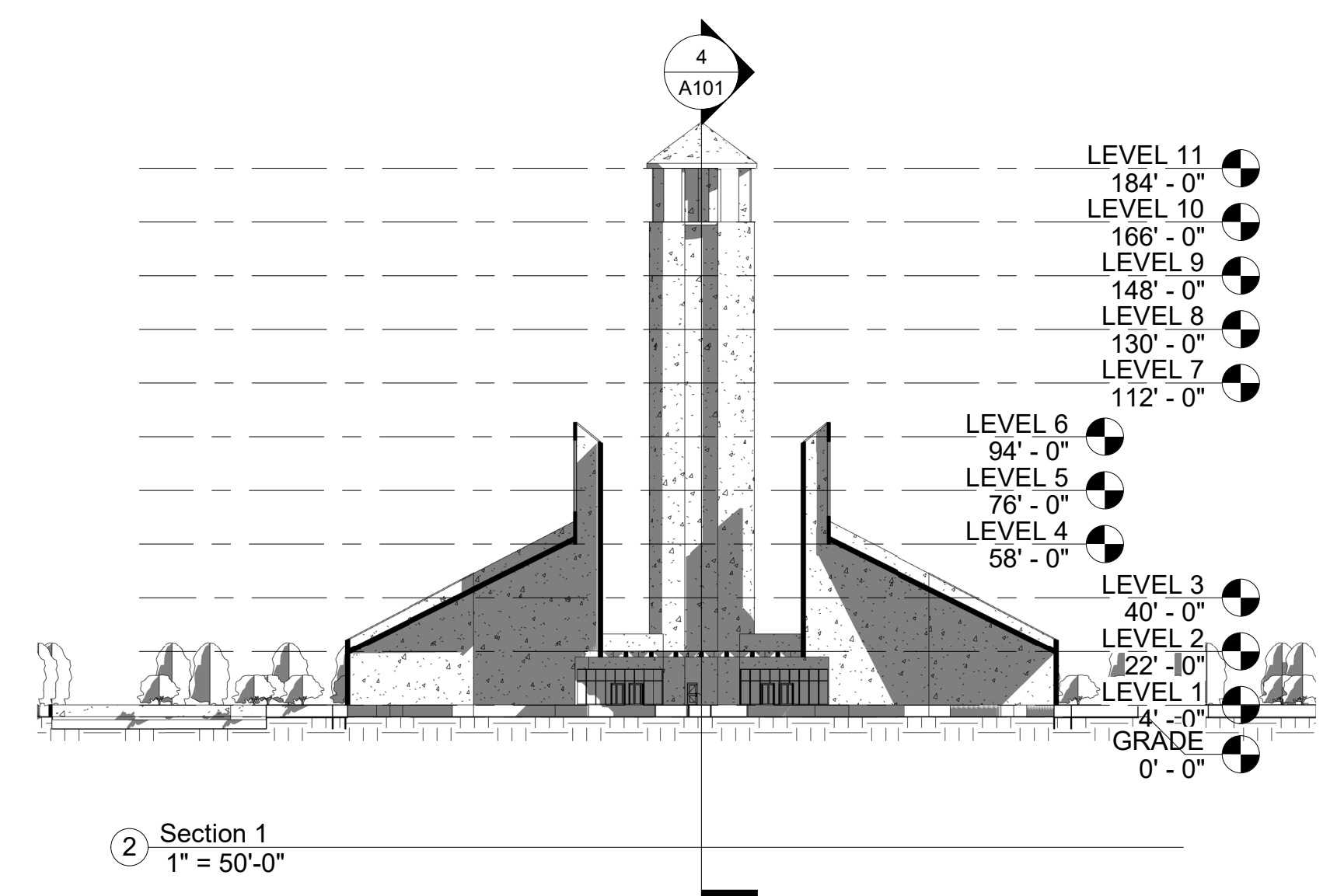


THE SILICON VALLEY GALLERY OF TECHNOLOGIES (THE GALLERY)

THE GALLERY WILL BE HOME TO A MUSEUM AND OBSERVATION TOWER. THE MUSEUM WILL CONSIST OF PAST, PRESENT AND FUTURE AREAS, DOCUMENTING THE HISTORY OF SILICON VALLEY TECHNOLOGICAL ACHIEVEMENTS AND PRESENTING CURRENT TECHNOLOGIES AND THE FUTURE OF TECHNOLOGICAL DEVELOPMENTS. THE OBSERVATION TOWER RISES TO A HEIGHT OF APPROXIMATELY 200 FEET.

DESIGN OBJECTIVES: DESIGN OF THE GALLERY 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 GALLERY WILL ENHANCE COMMUNITY LIVING BY SUPPORTING NET ZERO ENERGY DESIGN PRINCIPLES AND GREEN ENVIRONMENTAL PLANNING GOALS WHILE ACTING AS A CATALYST TO INVIGORATE THE GUADALUPE RIVER PARK AND GARDENS. DESIGN OF THE GALLERY 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 AND WORLD ENVIRONMENTAL CONDITIONS.

CONSTRUCTION MATERIALS: THIS PROPOSAL CALLS FOR THE IMPLEMENTATION OF NEW MATERIALS INCLUDING: 1) SELF CLEANING MICRO STRUCTURES DESIGNED TO FORM A LATTICE OF CELL STRUCTURES WITH CARBON FIBER REINFORCING TO CREATE HIGH STRENGTH, VERY LOW WEIGHT FRAMING MEMBERS; 2) EXTREMELY LIGHT WEIGHT AEROGEL INSULATION; 3) ETHYLENE TETRA-FLUOROETHYLENE FILM MEMBRANES TO CREATE FLEXIBLE BUILDING FACADES; 4) PASSIVE SOLAR NANO-CRYSTALLINE FILM WINDOWS; AND 5) SELF-HEALING AND CLEANING, CARBON ABSORBING CONCRETE.



GALLERY OF TECHNOLOGIES

