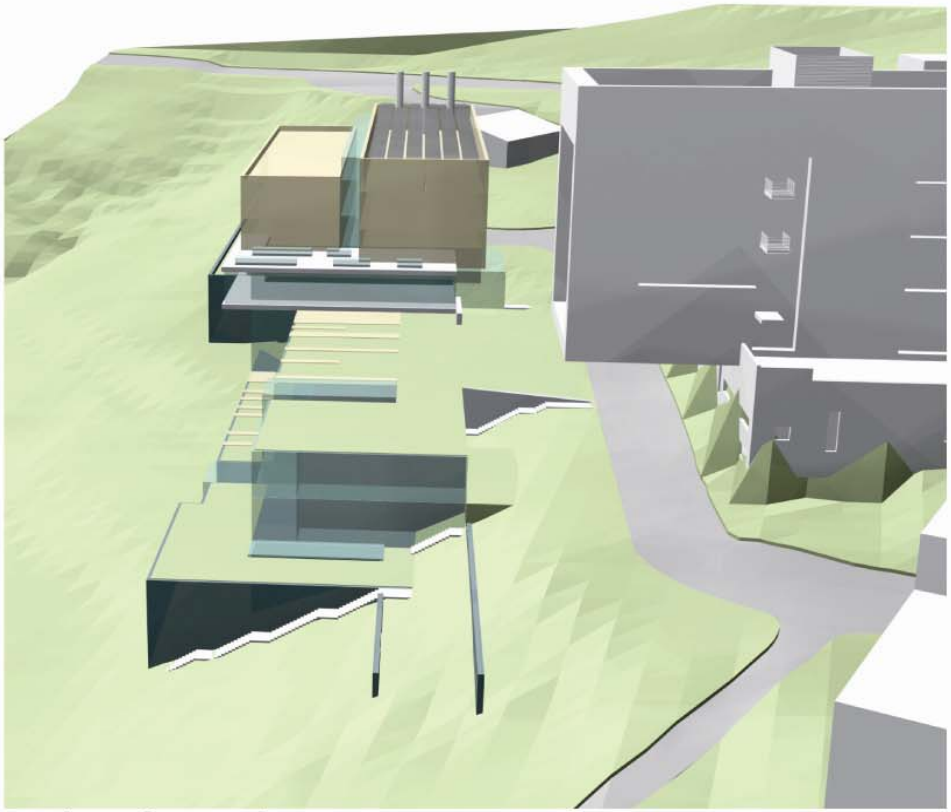
Public Scoping Meeting

Helios Energy Research Facility

August 8, 2007

Lawrence Berkeley National Lab

University of California, Berkeley



aerial view from southeast

Key Project Details

- Project Description
  - 160,000 gross square feet / 5 stories + mechanical penthouse
  - $160 M total project cost
  - $125 M building construction budget
- Proposed Project Site
  - Near the existing LBNL Material Science Research Cluster
  - Controlled access through improved existing road
  - Parking limited to 50 vehicles
  - Primary transportation to be shuttle buses
- Population
  - Helios Facility will support 500 people
  - 130 from existing LBNL & UCB facilities
  - 370 new people to be employed

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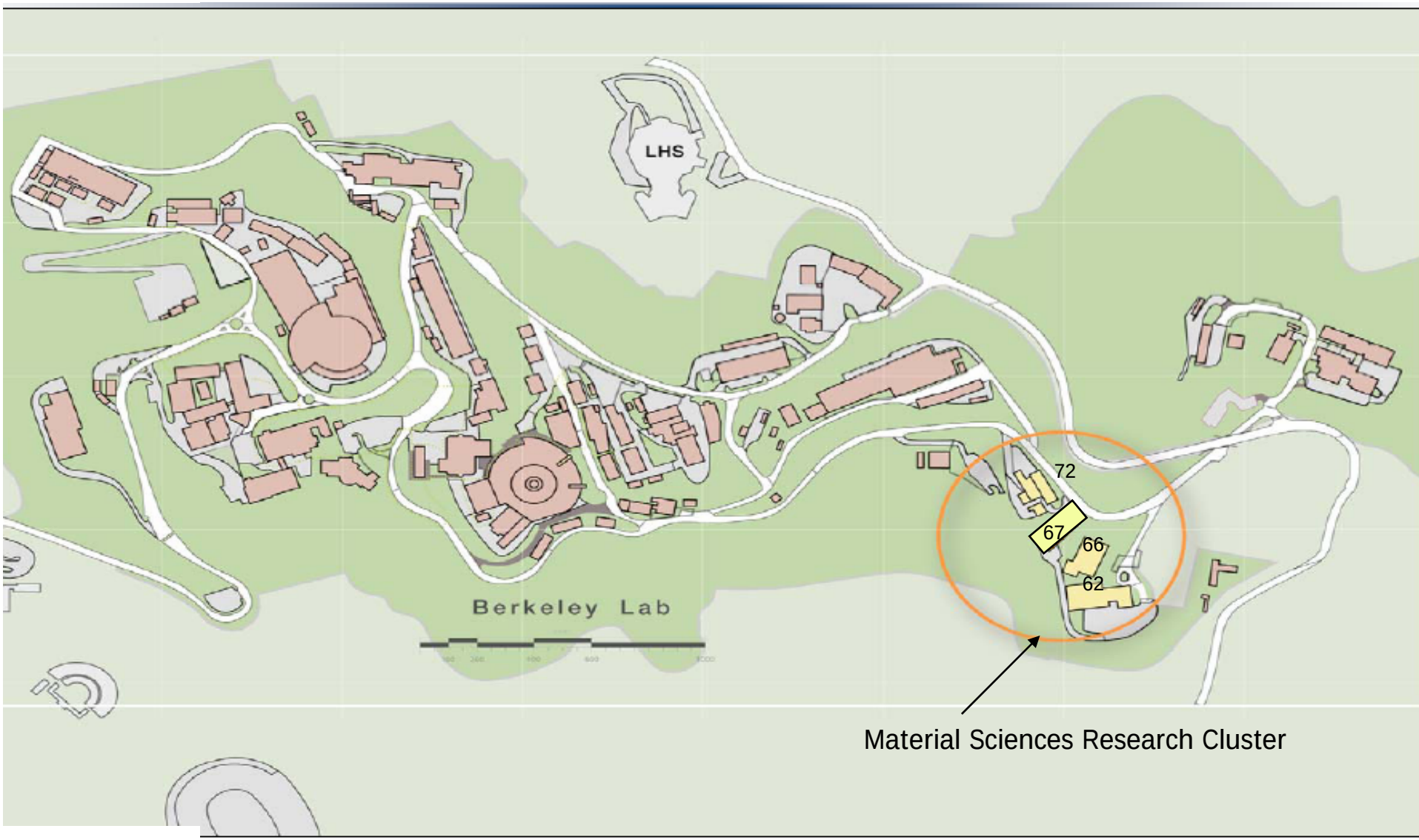
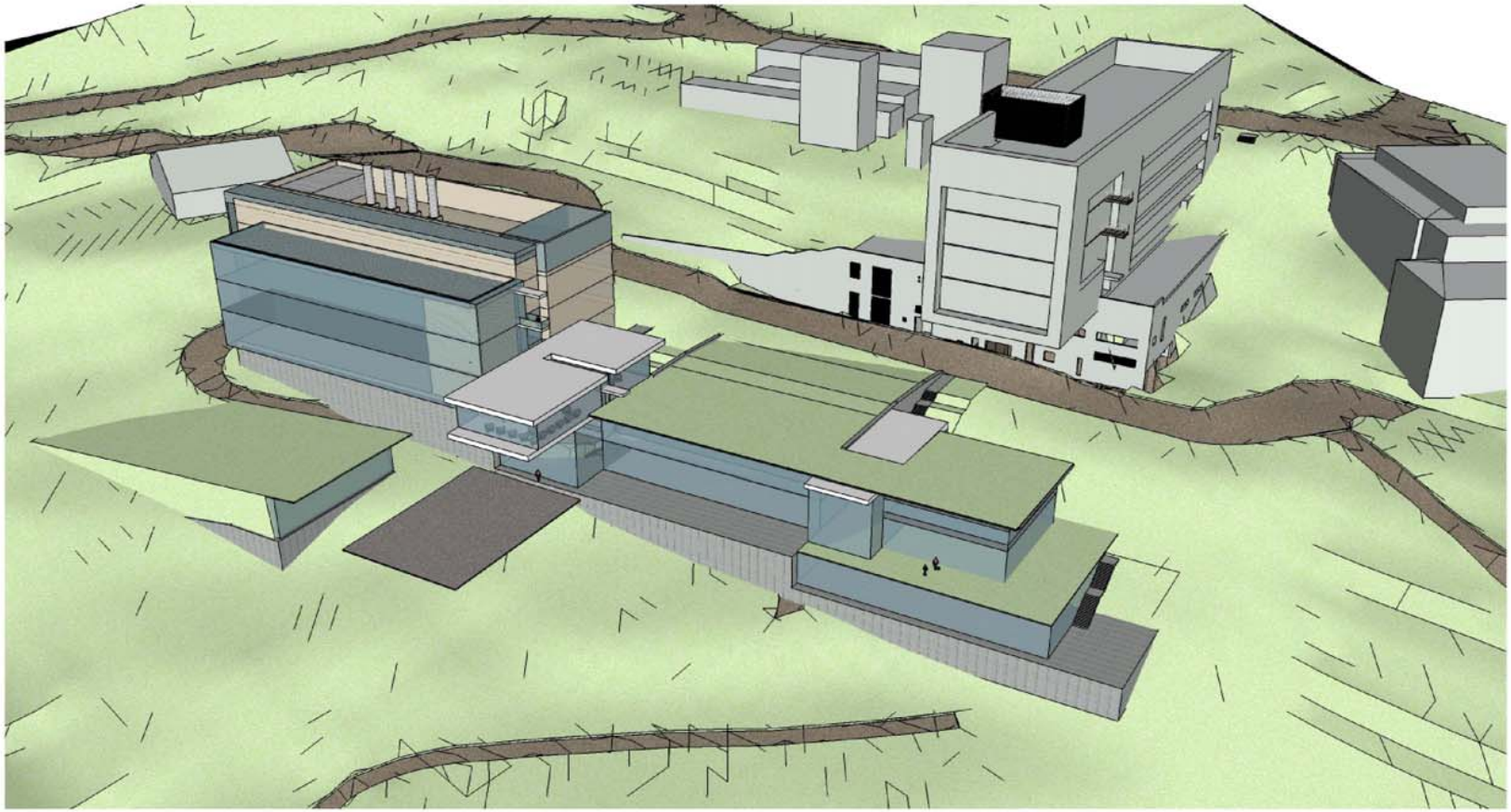


campus site plan

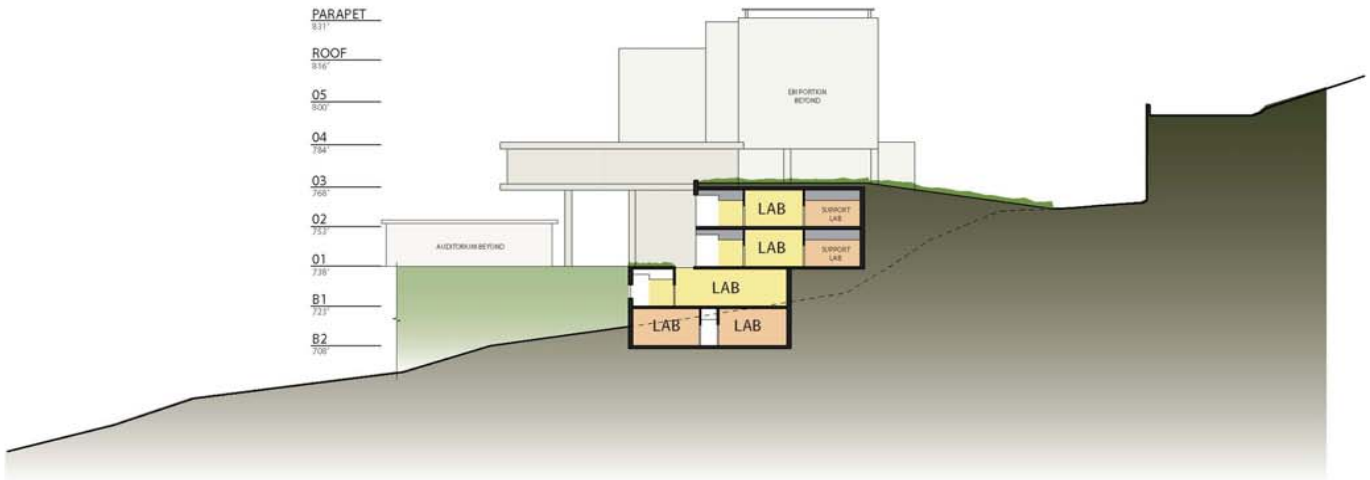
SCALE 0 20 40 80 160

Key Building Features

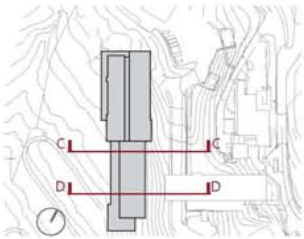
- Energy Efficient / Sustainable Design
- Photovoltaic Panels
- "Green" Roofs
  - Minimizes storm runoff
  - Provides thermal barrier
- Reduced Visual Impact
  - Built into the hillside
  - Green Roof

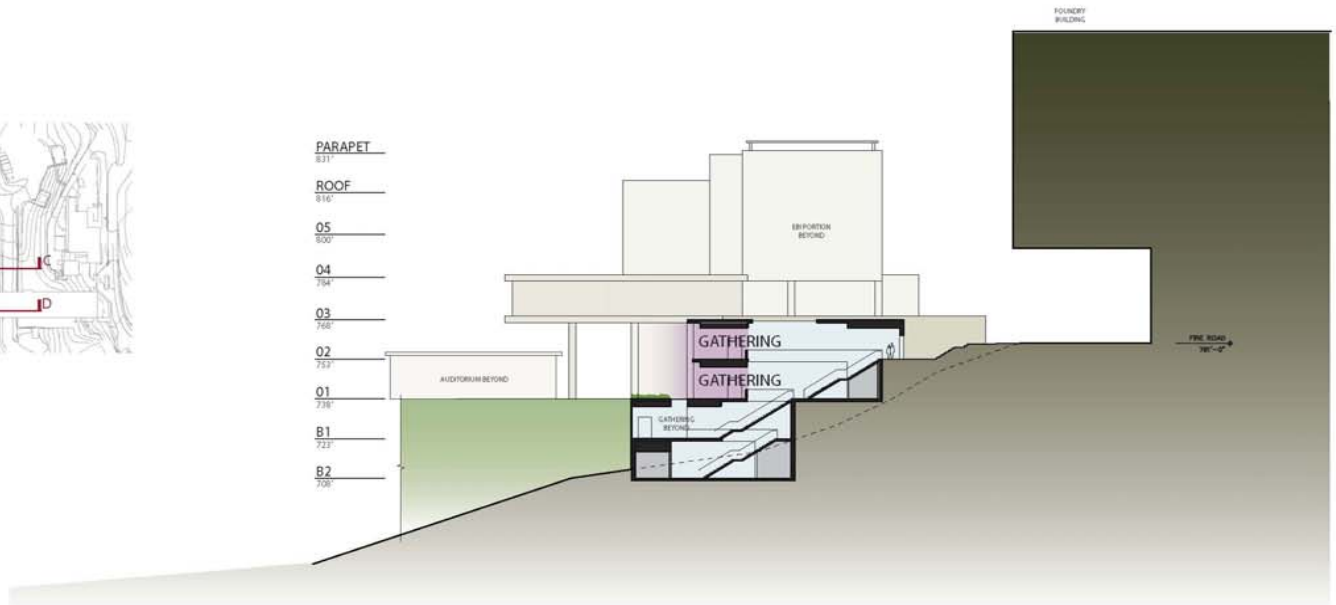


EXTERIOR MASSING



SECTION C-C





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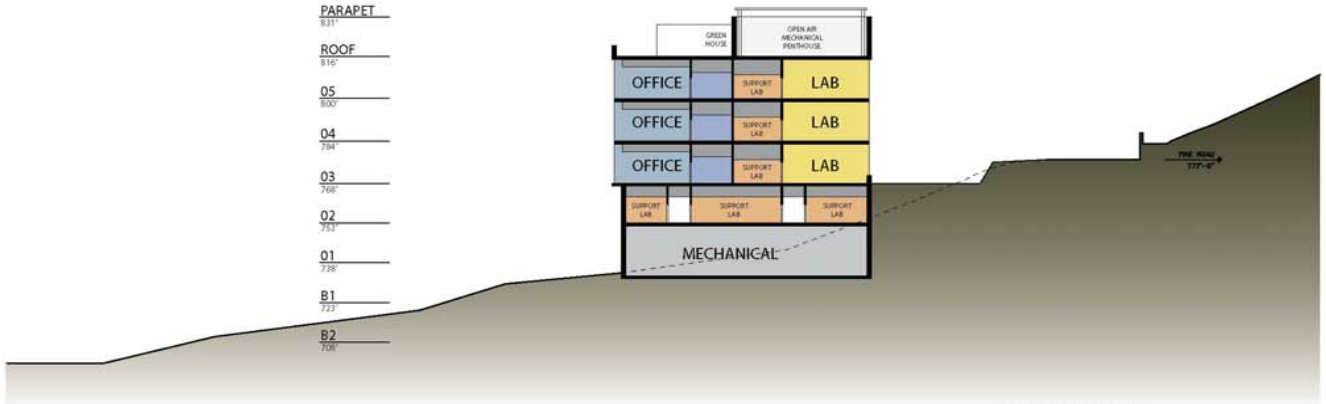
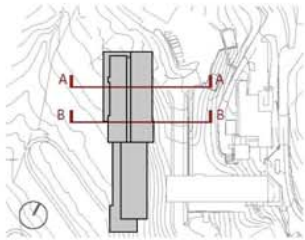
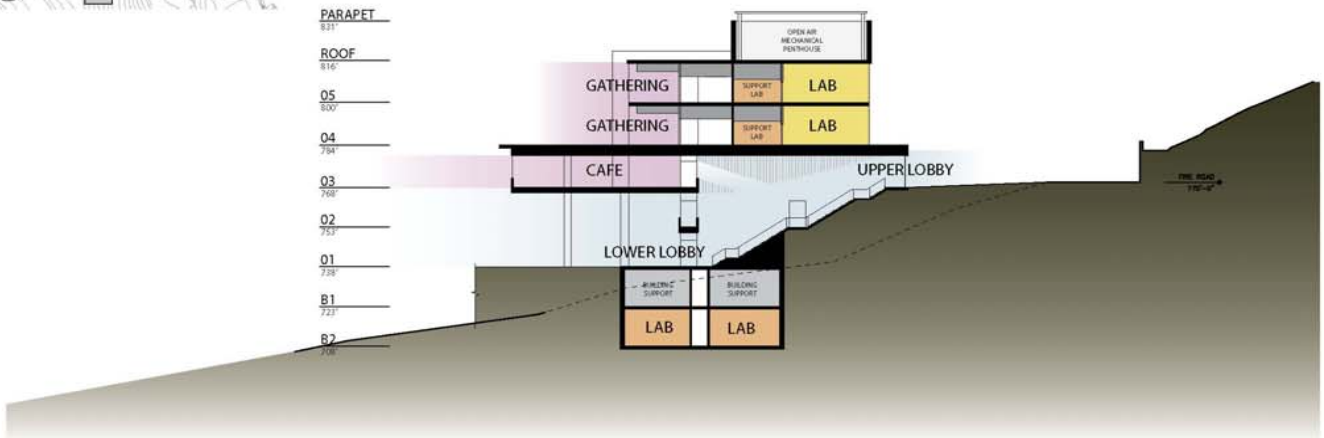


SECTION A-A





SECTION B-B

Mission

- The Helios Program is a LBNL initiative designed to address the challenges of climate change.
- Its goal is to develop new, clean energy alternatives with low carbon emissions.
- To harness the sun's energy for a secure, sustainable, and prosperous future.
- Helios Energy Research Facility to reflect the program.