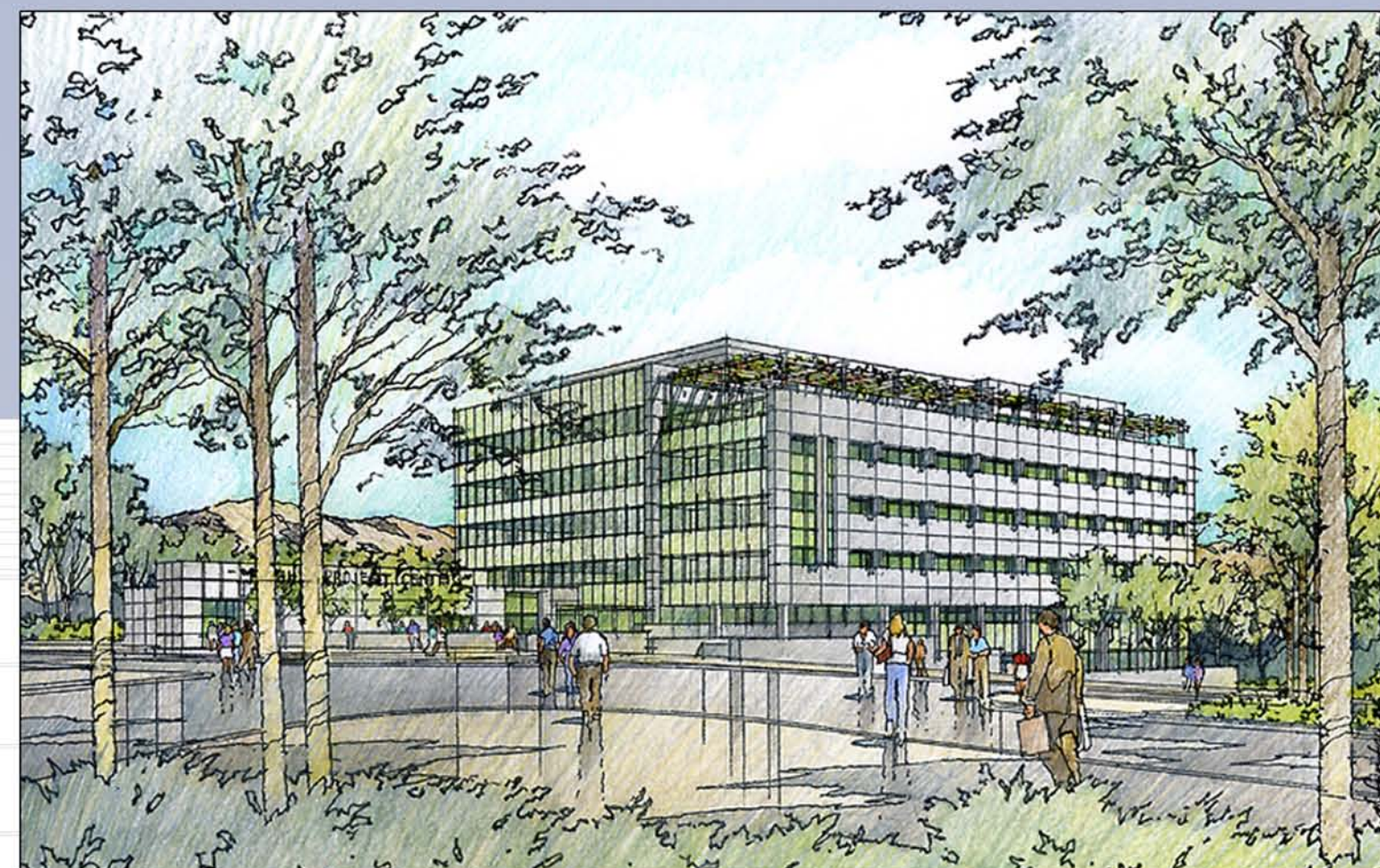




AERIAL

SITE



PERSPECTIVE VIEW TOWARDS NORTH-WEST CORNER



DROUGHT TOLERANT PLANT MATERIAL

VIEWS OF GREEN ROOF FROM OFFICE TOWER

HIGH EFFICIENCY HVAC UNITS

ALUMINUM PANEL SYSTEM WITH HIGH RECYCLED CONTENT

CAST IN PLACE CONCRETE INSULATES INTERIOR

HIGH VOLUME FLY ASH CONCRETE MIX DESIGN

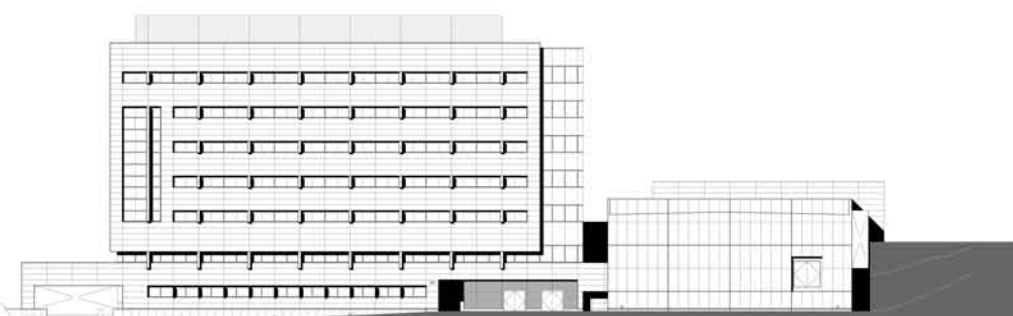
COOL AIR SUPPLY - LOW

DISPLACEMENT VENTILATION

WARM AIR RETURN - HIGH

FABRIC FOR ACOUSTICAL PANELS AND SEATING IS MANUFACTURED FROM 100% RECYCLED CONTENT. HIGH EFFICIENCY LED ACCENT

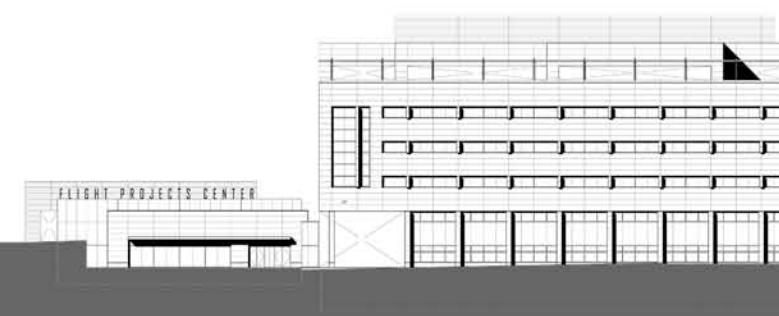
LOW PROFILE AIR DIFFUSER UNDER SEATING



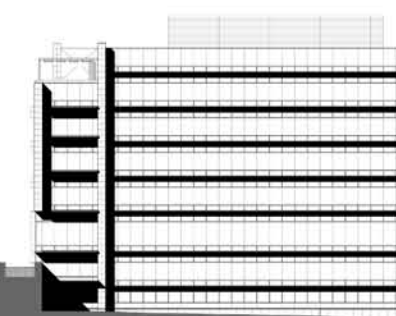
EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION



SOUTH ELEVATION

- DISPLACEMENT VENTILATION
- ENERGY STAR PURCHASING AGREEMENT FOR EQUIPMENT
- ENERGY STAR RATED ROOF
- GREEN ROOF
- HIGH EFFICIENCY ENVELOPE
- LIGHTING DENSITY AT LESS THAN 0.9 WATTS / SF
- RESPECT TO SOLAR ORIENTATION
- VARIABLE SPEED DRIVES FOR HVAC EQUIPMENT

DESCRIPTION:

This project will be the first LEED® building at the Jet Propulsion Laboratory and only the second one for the NASA family. The new 194,602 SF six-story office building includes a basement and a 400 fixed seat auditorium space. The building has been designed to exceed California Title 24 requirements by over 16% and will have signage and other "demonstration" green features as an educational tool for the entire lab. A green roof over the auditorium space becomes a symbol of the green quotient of the building that users from the building and lab can view. The auditorium will be using displacement ventilation for energy and indoor air quality improvements.



DESIGNED TO EARN THE ENERGY STAR

The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.

ENERGY STAR Challenge Criteria:

- Energy Use Intensity (EUI) = 80.3 kBtu / SF / yr
- Percent CO2 reduction = 61%
- ENERGY STAR design rating = 96

Savings Statistics (compared to an average building EPA rating of 50)

- Energy savings = 26,819,875 kBtu
- CO2 savings = 3,119,600 lbs CO2