The Franklin Thomas Laboratory of Engineering, the home of the Department of Mechanical and Civil Engineering as well as the office of the Chair of the Division of Engineering and Applied Science, is being upgraded to serve changing research and teaching needs. The renovated building will house state-of-the-art research and teaching laboratories that reflect the evolving focus of the department toward engineering a sustainable physical environment. The building will also include a new auditorium and will have an open layout that brings in natural light, integrates the building with the courtyard, and promotes collaboration. The architects, AC Martin, have incorporated many design features that reflect the innovative research that will be conducted within. The building will also recognize the generous support to the Institute of both the Gates Frontiers Fund, in memory of former Caltech trustee Charles Gates, and alumnus Jim Hall (BS '57) and his wife Sandy.