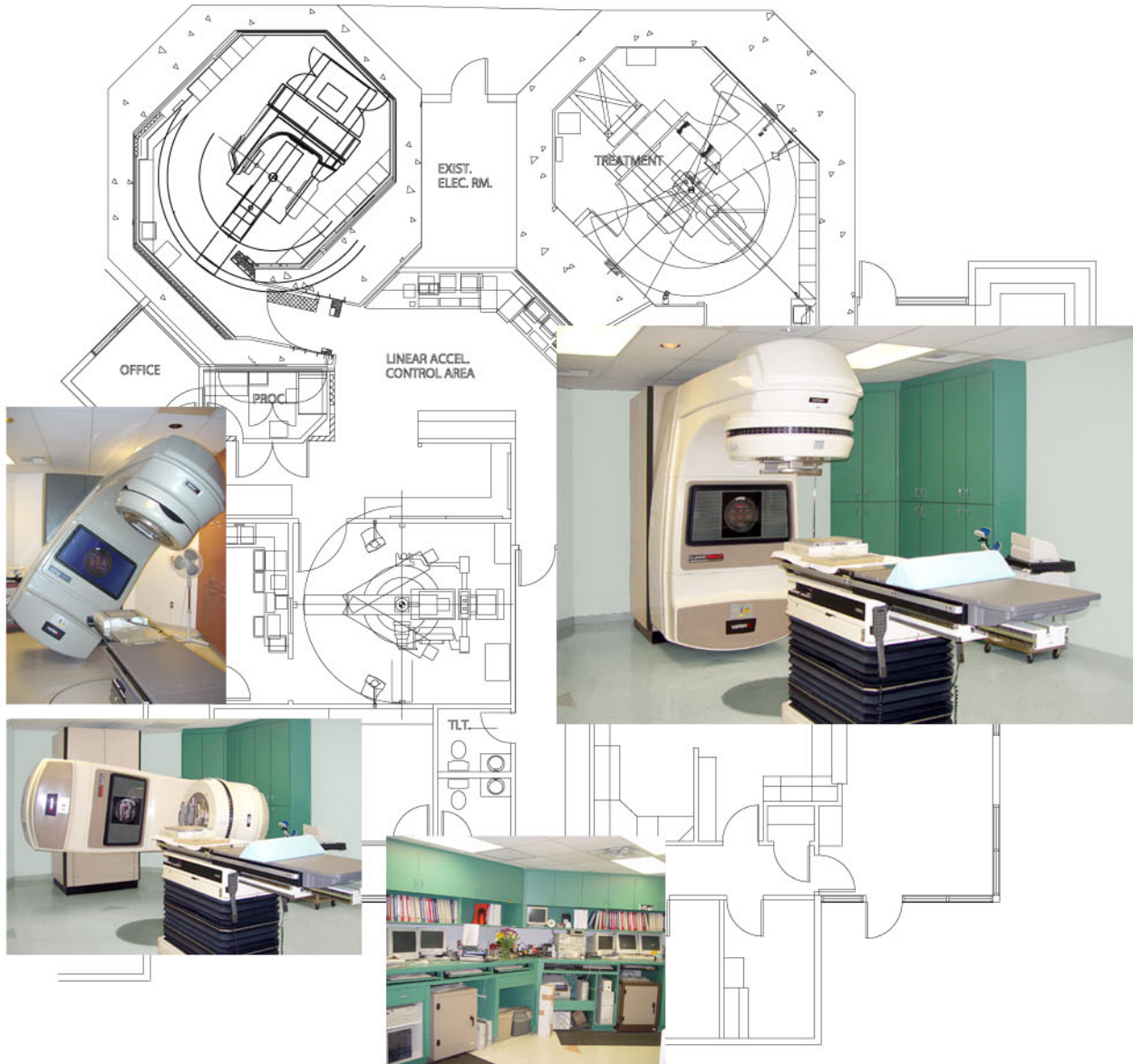


Linear Accelerator

Eisenhower Medical Center
Rancho Mirage, California



API Consultants provided A/E services for renovation of the existing cancer center to house a new 18 MEV Varian linear accelerator within existing confines. The project challenge was to increase the existing shielding by fourteen inches of additional lead bricks and polyethylene for the walls in a manner to allow delivery of the unit through the existing corridors and concrete maze

and the physicist and add additional 24" of concrete on the roof. API coordinated the efforts between Varian and the physicist and provided route of approach time-motion diagrams to determine absolute minimum width requirements, based on which the shielding was designed. On the roof, a separate structure, 1 1/2" above the existing roof was constructed.