

MIT MACGREGOR HOUSE BIKE SHELTER

Cambridge, MA

Working with Spencer & Vogt Group, Coastal Engineering Co. designed a unique exterior bicycle storage enclosure at MIT's MacGregor House as an addition to the existing 1969 residential building designed by TAC in association with Pietro Belluschi architect. An unroofed masonry enclosure, used originally as a barbeque pit and student gathering place, was transformed to a storage facility for more than 200 bicycles. The intent was to relieve bike congestion in the main campus with provision of secure, card-accessed bike parking a short walk from the MIT campus center.

Steel curved roof purlins with integrated gutters span the existing masonry surround and support translucent ribbed polycarbonate roof panels. The purlins are mounted on a rigid steel frame system with a foundation designed to support and anchor the main support frames. The enclosure provides bike rack storage in single and double tiers and stations for bike repairs.

SERVICES

- Structural design
- Construction phase services
- Contract documents

