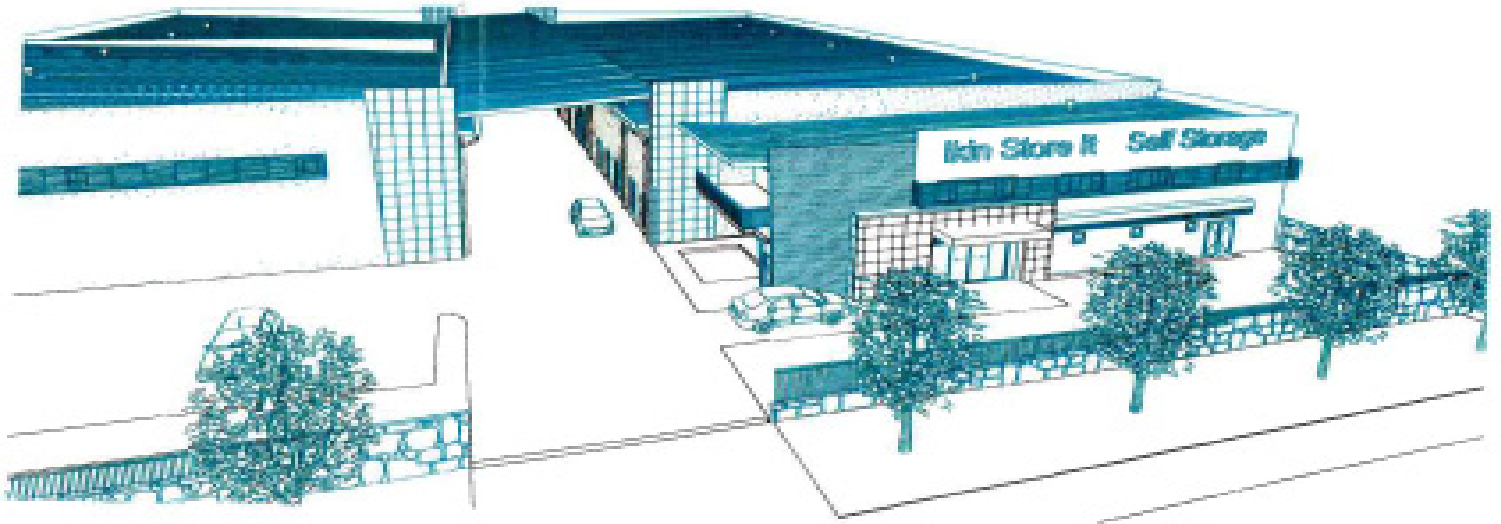


Project Role: Structural Engineering

Construction Cost: 13M

Client: G & S Engineering



Project Description:

The project entails the development of a business park, to include a self storage facility, retail facilities and a boat storage facility. The facility will provide 13,000m² of undercover storage and 700m² of retail space. The boat storage facility totaling 1,000m² required a canopy roof to provide weather protection.

Yeats Consulting Involvement:

Yeats Consulting was commissioned to carry out structural design, documentation, supervision and certification to complete the structural works for the project.

Project Summary:

The structural system primarily consists of reinforced concrete tilt walls and structural steel framing. The mezzanine floor is constructed using lightweight steel framing. This combined with strategically placed vertical roof supports provides the additional flexibility to convert from self storage to light industrial buildings relatively easily. By utilising cyclone proof roller doors, the wind load on the roof was reduced significantly resulting in substantial cost savings in the roof structure and foundations.