PHYSICS ANNEXE NEW ROOF ST LUCIA

Consideration:

The roof of the Physics Annex Building has passed its useful life and needs to be replaced. P&F has planned the replacement, which would also include relocating the existing stormwater systems to the exterior of the building.

When the building was originally built, it was designed with the capacity to add an additional floor at a later stage i.e. the ceiling of level 3 is the floor of a potential fourth floor. Investigation was undertaken into constructing an additional floor that would provide 800m² useable floor space and remove a substantial amount of backlog maintenance issues. The additional floor space also has the potential of allowing the School of Physics and Mathematics to be co-located.

This project will expand the simple room replacement to include a new floor which will only be constructed as a shell. The new height of the building will be aligned with the height of the adjacent LIB building.

Description:

The replacement roof will be a Colorbond cladded shallow hip roof with a pitch of approximately 6 degrees with stainless steel gutters and external downpipes throughout. The existing concrete walls of the Physics Annexe building will be extended to the sill height of the proposed new floor with the wall above constructed with aluminium framed windows in the rectangular shape of the existing windows. The southern face will be constructed with Alucobond panel whilst a glass façade will be added to the northern face. The roof edge will overhang approximately 1.5 m from the existing concrete face of the building with Alucobond sun shading to the top floor windows.
LOCALITY PLAN

PROPOSED SITE
PHYSICS ANNEXE.
SITE PLAN
EXISTING

VIEW FROM NORTH COURTYARD
PROPOSED
EXISTING VIEW FROM NORTH
VIEW FROM NORTH

PROPOSED