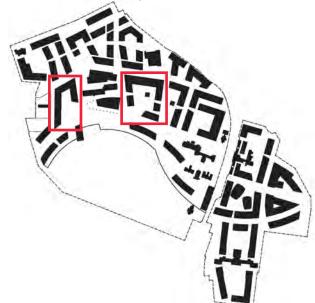
STUDY CAFE PRE-FUNCTION LEARNING FACILITIES 100 100 ELEC TELEC note: These floor plans are conceptual in nature and indicative of only one possible layout and are illustrated here only as an early planning exercise.

central learning classrooms

The relocation of all Institute activity to a single campus affords the opportunity to create a central bank of quality learning space in the form of lecture rooms, break-out rooms, seminar rooms and study spaces that would be accessed by all faculties and facilitate the growth or contraction of faculty demands for space over time by complementing the other dedicated faculty spaces around the Institute. It is important that these facilities are centrally located near the main DIT library as well as the Executive Learning Centre and function as a conference centre when not in academic use.

Due to the large space requirements of the Central Learning Facilities, their adjacency requirements to the main library and the density of the site, the Centre is located partially below grade creating a podium level. While the inwardly focused purpose of classroom activity does not require views out, natural daylight is considered a requirement in all learning spaces. Large classrooms and lecture halls are organised along the periphery of the space where natural daylight is brought in from the half-level of space above ground and by pulling away the grade to allow additional light to enter. Seminar rooms are daylit using various skylight elements and the open side of the south-facing podiums allows the opportunity to bring large amounts of natural light into the circulation and common spaces.





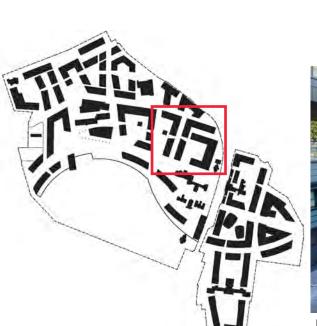
Richard Henriquez architect, photo: Nic Lehoux

BUSINESS 1/2 LEVEL PODIUM BUSINESS QUAD 1/2 LEVEL PODIUM BUSINESS QUAD CIRCULATION AND GATHERING SEMINAR SEMINAR HALL

main apprenticeship training facilities

The Institute has a major involvement in and commitment to apprenticeship education and training and the relocation of the Institute provides the opportunity to locate much of these facilities closer to each other as well as near other DIT programs and students. A large portion of the facilities have been placed at the centrally located Engineering quad.

Due to large space requirements and heavy equipment, some of the Apprenticeship Training facilities have been located partially below grade similar to the Central Learning facilities, and employ similar means of acquiring daylight into all habitable spaces. Classrooms, seminar rooms and offices are located to the periphery to take advantage of the half-level podium above grade and the pulling away of the below grade space to allow additional light to enter the spaces. A key objective was to co-locate craft training facilities with undergraduate and graduate activities where possible. Areas with large floor areas such as workshops and maintenance bays are daylit by various skylight techniques and by incorporating daylight from the open-sided, south-facing glazed podium wall. In addition, daylight is supplied from a large sunken landscaped courtyard.

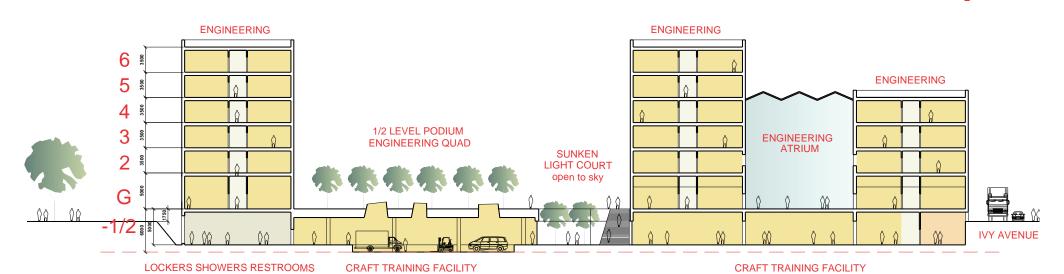


TRAINING

CRAFT TRAINING



Pulling away the ground to allow light to enter lower levels.





Daylight enters lower level from sunken courtyard and skylights.

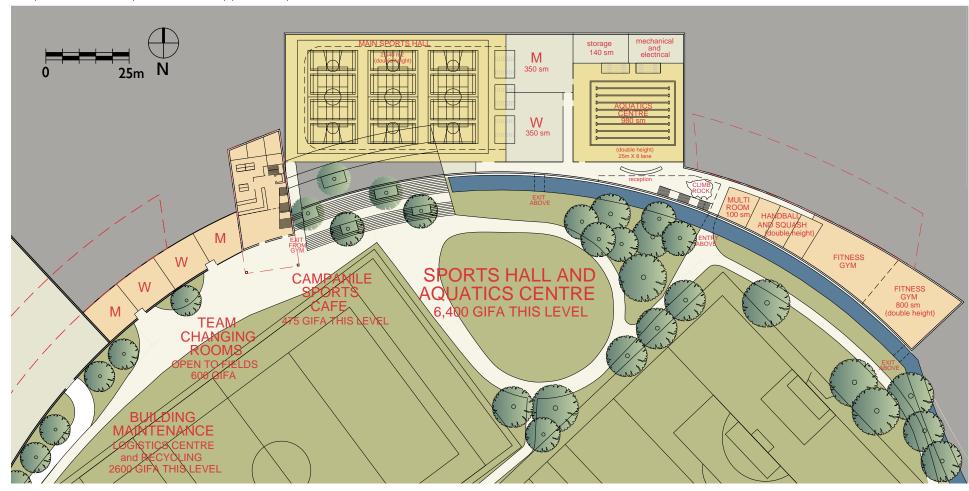
CRAFT

note: These floor plans are conceptual in nature and indicative of only one possible layout and are illustrated here only as an

early planning exercise.

N SULLANING TRACK SPORTS HALL AND ACVIATICS CENTRE CAMPARILE SPORTS HALL AND ACVIATICS CENTRE 2.580 GIFA THIS LEVEL BUILDING MANTENANCE BELLON BUILDING MANTENANCE BUILDING MANTENANCE BELLON BUILDING MANTENANCE BUI

1. sports hall and aquatics centre upper level plan

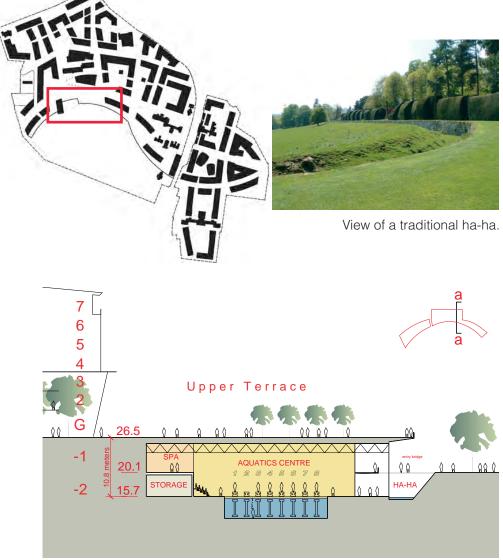


2. sports hall and aquatics centre lower level plan

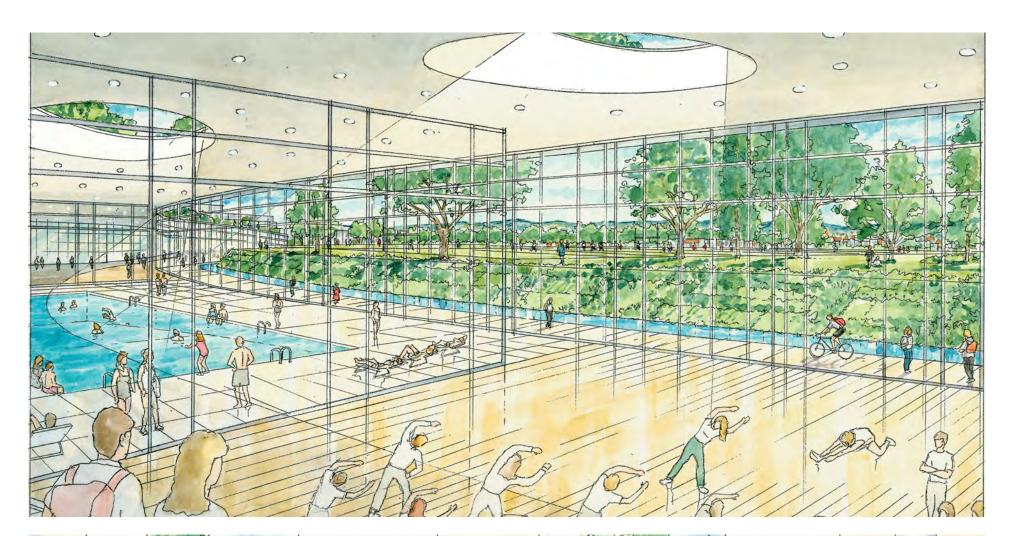
sports hall and aquatics centre

As with other DIT programs, the relocation of the sports program to the new site will enhance the student experience allowing students with varying educational focuses to mix with the greater college community, make friends and improve the social infrastructure of the Institute. The Sports Centre will also accommodate educational space for leisure related programs of DIT. In addition, by being open to the public, the Sports Centre will provide a place of interaction with the other users of the Grangegorman Quarter such as the Health Service Executive and Primary School as well as the local community.

The two-level Sports Centre has been located in a high-profile and unique location between the outdoor playfields and the academic and health "heart" of the Quarter. Most pedestrian paths through the Quarter arrive at or pass by the Upper Terrace and the Sports Centre below. Most of the programmatic spaces face directly out to the Fields and are daylit by a south-facing glazed wall revealed by a "ha-ha" (an angled, sloped landscaped change in ground elevation). In addition to regular Sports Centre changing facilities located in the building, there are team changing facilities near the Sports Centre that are directly accessible from the playing fields.



3. section through aquatics centre



1. view of daylit sports centre and ha-ha

The Sports Centre will be daylit by overhead skylights and by using glass walls adjacent to a landscaped "ha-ha" (an angled sloping change in ground elevation).



2. view of daylit craft training area with courtyard The Craft Training Facilities will be located partially underground due to the large floor areas required and the large floor areas requi

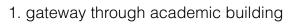
The Craft Training Facilities will be located partially underground due to the large floor areas required and the weight of heavy machinery. These spaces will be daylit through a number of ways including overhead skylights and sunken landscaped courtyards.





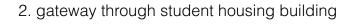






Connective passageways serve to link between different quads. Passageways also connect the variety of open spaces offered within the Quarter, including individual gardens as well as major open spaces. The consistent use of specific trees and plantings along these passageways, as well as the use of particular paving and lighting standards, add to the collective district image, and visually enhance connectivity throughout the Quarter.





Along St. Brendan's Way, openings are created to maximise daylight and to frame views south overlooking the Fields and to the mountains beyond.



