Science Research and Education Facility

Australian Institute of Nanoscience
The University of Sydney

Section 96(1A) Modification

(SSD 5087-2011)

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Statement of Validity

Section 96(1A) Application prepared by

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Applicant Details

Name	The University of Sydney ABN 15 211 513 464
Address	Campus Infrastructure & Services The University of Sydney NSW 2006

Site Details

Site Address	Physics Road, Camperdown Campus
Lot and DP	Part Lot 1 in DP 1171804; and Part Lot 1966 in DP 1117595

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1 Introduction

1.1 Overview

A State significant development application [SSD 5087-2011] for the construction and use of a research and education facility for the Australian Institute of Nanoscience (AIN) at Sydney University, Camperdown was approved under delegation from the Minister for Planning on the 15th October 2013.

This application describes proposed modifications to the development consent and is accompanied by the following:

- Architectural drawings that describe the proposed modifications;
- An Architectural Statement that provides a justification for the proposed modification; and
- Heritage Impact Statements which assesses the heritage impacts of the proposed modifications.

1.2 The Consent to be Modified

The development consent for the proposed AIN, which was subject to a number of conditions, was for the following purposes:

- construction of a new four storey educational establishment and new pedestrian bridge links to existing Physics Building;
- demolition of minor structures, including interface points with Physics Building to enable construction of pedestrian links;
- construction of external plant and storage room;
- site public domain and landscaping works; and
- associated building services, loading dock and two car parking spaces.

1.3 Proposed Modification to Consent

The purpose of this application is to seek approval, pursuant to the provisions of S96(1A) of the *Environmental Planning and Assessment Act 1979*, to modify development consent SSD 5087-2011 in three ways: firstly, to change the type of cladding specified for the AIN building; secondly, to allow the installation of a small roof top astronomical observatory for teaching and research purposes; and thirdly to convert a window in the adjoining Physics Building into a door to improve access between adjoining buildings by providing a direct link.

The development specified in the original application was detailed in a number of the drawings which are referred to in Condition A2 of the consent, which provides as follows:

A2. The applicant shall carry out the project generally in accordance with the:

a) Environmental Impact Statement titled *Science Research and Education Facility Australian Institute* of *Nanoscience, The University* of *Sydney,* prepared by Integrated Site Design, dated January 2013.

b) Response to Submissions report titled, *Science Research and Education Facility - Australian Institute* of *Nanoscience, The University* of *Sydney,* prepared by Integrated Site Design, dated August 2013.

c) following drawings, except for:

i) any modifications which are Exempt or Complying Development;
ii) otherwise provided by the conditions of this consent.

Architectural (or Design) Drawings prepared by Architectus

Drawing No.	Issue	Name of Plan
DA-0010	2	Site Plan - Key Plan
DA-0011	3	Site Plan - Demolition
DA-0012	2	Site Plan - Proposed Context
DA-1000	3	Floor Plan - AIN Level 1
DA-1001	1	Floor Plan - AIN Level 2
DA-1002	1	Floor Plan - AIN Level 3
DA-1003	2	Floor Plan - AIN Level 4
DA-1004	2	Floor Plan - AIN Roof Plan
DA-2000	2	Sections - Sheet 1
DA-2001	3	Sections - Sheet 2
DA-2002	2	Sections - Sheet 3
DA-3000	3	Elevations - Sheet 1
DA-3001	2	Elevations - Sheet 2
DA-4000	2	Existing / Demolition - East Link Plans
DA-4001	1	Existing / Demolition - West Link Plans
DA-4002	3	Existing / Demolition - East Link - Elevations
DA-4003	2	Existing / Demolition - East Link - Elevations
DA-4004	1	Existing / Demolition - West Link - Elevations
DA-4005	1	Proposed - West Link and East Link Plans
DA-4006	2	Proposed - East Link Elevations
DA-4007	1	Proposed West Link Elevations

The University of Sydney wishes to amend various drawings identified in the above table to allow alternative form of building cladding, to install an astronomical observatory on the roof of the AIN

building, and to modify the southern facade of the existing Physics Building (A28) by converting a ground floor window into a doorway.

2 Proposed Modifications

The modifications proposed in this application are not exempt or complying development.

2.1.1 New Cladding

The facade of the AIN building as approved comprised two materials: a rain-screen composite metal panelling and a glazed curtain walling system with a ceramic frit pattern. It is now proposed to wrap the entire building in a single glazed curtain wall system. The architectural details of the proposed cladding system, visual form and architectural justification prepared by Architectus are contained in Appendix A.

The proposed modification to the consent will involve substituting the following drawings for the corresponding drawing list in the consent. The substitute drawings in the attached drawing set that contain the details of the proposed facades are:

Drawing No	Series	Name of Plan
DA – 2000	3	Sections – Sheet 1
DA - 2001	4	Sections – Sheet 2
DA – 3000	4	Elevations - Sheet 1
DA - 3001	3	Elevations - Sheet 2

The above drawings are attached to this application.

2.1.2 Astronomical Observatory

The University wishes to install a small astronomical observatory illustrated in **Figure 1**, on the roof of the AIN building for both teaching and research purposes. The observatory location is centred on the Wilkinson axis, and lower in height than the adjoining St Paul's development.

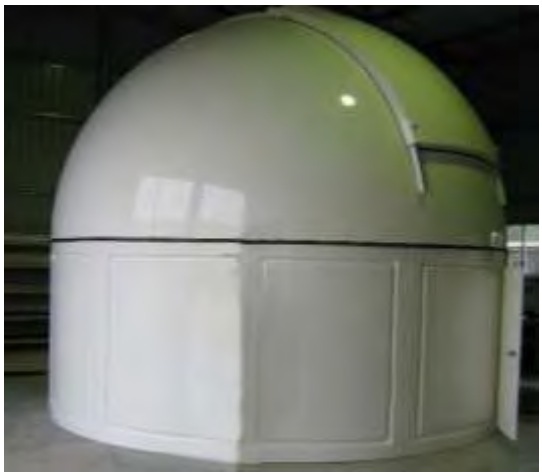

Figure 1 Type of Observatory Proposed

The general details of the proposed observatory are:

Total Height	4.5m
Wall height	1.8m
Diameter	5m
Door Size	1.37m
Aperture width	1.5m
Open Past Zenith	750mm

The observatory will house two telescopes currently owned by the University:

- Meade LX-200 30cm aperture; and
- a Newtonian 20cm aperture reflecting telescope (portable).

The location of the proposed observatory is shown in Figure 2 and drawings in the revised drawing set particularly Drawings DA-1003, DA-2001, DA-3000, and DA-5004.

Figure 2 Location of proposed Rooftop Observatory

3 Description of Expected Impacts

Section 96(1A) of the EP & A Act provides that a consent authority may modify development consent if:

(a) it is satisfied that the proposed modification is of minimal environmental impact, and

(b) it is satisfied that the development to which the consent as modified relates is substantially the same development as the development for which the consent was originally granted and before that consent as originally granted was modified (if at all), and

(c) it has notified the application in accordance with:
(i) the regulations, if the regulations so require, or
(ii) a development control plan, if the consent authority is a council that has made a development control plan that requires the notification or advertising of applications for modification of a development consent, and

(d) it has considered any submissions made concerning the proposed modification within any period prescribed by the regulations or provided by the development control plan, as the case may be.

The development as modified will be substantially the same as the development approved and the environmental impacts will be minimal when compared to the approved development. As indicated in the architectural statement in Appendix A the modified facade is superior to the facade originally proposed and approved in both visual and functional terms.

The benefits of the cladding method now proposed include:

- The proposed cladding system is more elegant, presenting a high quality unified system;
- The proposed system eliminates issues associated with the junction of metal clad with glazed panel; and
- The delineation between new works and the existing heritage character of the Physics Building (A28) is now far clearer.

The dome of the proposed astronomical observatory, which is a small structure, will have minimal visuals impact (see Drawing DA-5004). The dome will only be slightly visible from the adjoining hocky field and will only be accessible from within the AIN building. The heritage impact assessment contained in Appendix B supports the proposed installation.

The modified entry to the existing Physics Building (A28), which is a listed heritage item in the Sydney Local Environmental Plan 2012, is shown in Drawing DA-4008. The proposed works have been designed to minimise the disturbance of the original fabric of the building. The new entry is required to improve accessibility by providing a direct link between the AIN Building and the existing Physics Building.

In terms of heritage issues that arise from the proposed modifications, a statement from the project's heritage consultants in Appendix B confirms that there will be no additional impacts on

heritage items in the vicinity of the new building or on the conservation area of which the development is part. However, the heritage assessment of the proposed works to the Physics Building concluded that these works were acceptable subject to the adoption of the report's recommendations.

4 Proposed Conditions

The proposed modification is to amend Condition A2 (c) to list the drawings contained in the drawing set attached to this application in place of the corresponding drawings in the original consent.

5 Conclusion and Recommendations

The University of Sydney is proposing to change the materials used in the facade of the AIN Building for which consent has been obtained, to install a small astronomical observatory on the roof of the AIN building, and to improve movement between the adjoining Physics Buildings by modifying an existing opening to create a new doorway. However, the intent and scope of the approved development is to create a world class teaching and research institute is unchanged.

The modified proposal shown in the accompanying architectural drawings, and supported by heritage advice, will significantly improve the design and function of the building without any change to the environmental and heritage impacts to that assessed in the original Statement of Environmental Effects. The modified development is the same development as the approved development.

It is requested that the Minister give favourable consideration to this application.

Summary of Proposed modification in accordance with Clause 115 of the Regulations

Name and Address of Applicant	The University of Sydney, 22 Codrington Street Darlington, NSW 2008.
Description of the development to be carried out	Unchanged from SSD 5087 which allows the construction of a new four storey educational establishment for the use by the Australian Institute of Nano-Science, and other ancillary works.
Address and particulars of title	Physics Road, Camperdown Campus of the University of Sydney on land described as Part Lot 1 in DP 1171804; and Part Lot 1966 in DP 1117595 in the City of Sydney Local Government Area.
Description of the proposed modification	Proposed modifications are to modify Condition 2(c) of the consent pursuant to S96(1A) of the EP & A Act 1979 to include the following updated drawing list:

Drawing	Issue	Name of Plan
DA-0000	8	Coversheet and Drawing List
DA-1003	3	Floor Plan - AIN Level 4
DA-1004	3	Floor Plan - AIN Roof Plan
DA-2000	3	Sections - Sheet 1
DA-2001	4	Sections - Sheet 2
DA-2002	3	Sections - Sheet 3
DA-2003	2	Section Wilkinson Axis
DA-3000	4	Elevations - Sheet 1
DA-3001	3	Elevations - Sheet 2
DA-4008	2	Existing / Demolition – Centre Door (RL 25.0)

Intent of application	To change the cladding specified on the relevant drawings referenced in the consent to a unified wall cladding system, to install a small astronomical observatory on the roof of the AIN building for teaching and research purposes, and to convert an existing ground floor window in the southern facade of the Physics Building to a doorway.
Description of the expected impacts of the modification	The proposed modification involves replacing the proposed facade comprising two materials with a single glazed walling system. The change to a uniform system will still allow areas of clear glazing and opaque shadow-box spandrel panel consistent with the walling system in the original proposal. The proposed rooftop observatory is small in scale and will have minimal visual or other impacts but will improve the teaching capability of the School of Physics.

	The proposed new entry southern door will improve accessibility between the AIN building and the Physics Building. As demonstrated in the supporting heritage assessments the proposals will not have any significant heritage impacts.
Whether development is substantially the same	The modification makes no change to the intended uses or extent of the development proposal as lodged and approved.
Owner's consent to making of the application	The owner's consent to the application has been supplied on the S96 Application Form.
Consent Authority	The application is being made to the Minister for Planning as the consent authority.