

UTS Building 1 and 2 Podium Extension Design Competition



Conditions and Design Brief



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PART 1 COMPETITION CONDITIONS

1. INVITATION

The University of Technology, Sydney (UTS) invites architects registered in Australia to submit Capability Statements and Concept Proposals, and then if invited proposals in a two-stage architectural competition for the design of the UTS Building 1 and 2 Podium Extension.

1.1 Eligibility

The competition may be entered by any person who is registered (by the appropriate registration board) as an architect to practice within Australia, completes a Declaration Form, and who complies with the competition conditions.

Entrants are required to produce evidence of their professional qualifications and current professional registration number to be deemed eligible to enter the competition.

When an entry is made by a team of professionals one eligible professional must be nominated as the entrant with his or her name entered on the Declaration Form.

1.2 Competition type

This competition is in two stages. The first stage is open to all those deemed eligible according to section 1.1 above, and is a combined “expression of concepts” and “statement of capabilities” stage for the project. Submission of a Capability Statement is mandatory in the first stage. Concept Proposals are optional and are not to be fully developed at this stage. Rather, entrants should present their conceptual approach to the brief with an emphasis on design ideas.

Second stage finalists will be invited from the first stage. This stage requires development of concepts into more detailed architectural proposals which respond to the assessment criteria and other conditions. The purpose of Stage 2 is also to meet the Design Excellence requirements of Part 5 of Sydney Local Environmental Plan 2005 (SLEP 2005). This stage will be a “design competition” demonstrating a competitive process as noted in SLEP 2005.

2. ADMINISTRATION

The competition promoter is the University of Technology, Sydney. All communications or enquiries relating to the competition must be addressed to the Competition Manager via email at:

manager@UTSpodium.com.au

3. LANGUAGE

All documents submitted must be in English.

4. REGISTRATION

All eligible architects wishing to participate in this competition must register online at:

www.UTSpodium.com.au/register

The last day for registration is **2nd October 2009**.

Following registration competitors will gain password access to the secure login section of the competition website.

5. COMPETITION ASSESSMENT

A panel of Assessors led by the Chairman of the Assessors will be responsible for the conduct of the competition and the selection of the winning submissions. The Assessors will draw up a framework for evaluation, having due regard for the design criteria stated in the Design Brief. All entries will be assessed using the same criteria. At the end of the second stage the Assessors will prepare a report outlining the reasons for selecting the winning design.

6. ASSESSORS

The twin strands of the competition first stage will be assessed by two separate sub-panels. The first stage panel of Assessors will be constituted as follows:

6.1 Concept Assessment

Vice-Chancellor, UTS, or nominee

Dean, UTS Faculty of Design, Architecture & Building, or nominee

Member, UTS Masterplan Project Control Group

6.2 Capability Assessment

UTS Deputy Vice-Chancellor (Resources), or nominee

Director, UTS Facilities Management Unit, or nominee

Manager, UTS Campus Development & Planning and Design Review, or nominee

7. HONORARIA

Finalists in the first stage of the competition who accept the invitation to proceed to the second stage will receive an honorarium of \$40,000 each on submission of their second stage proposal.

8. FIRST STAGE

8.1 Questions

Any questions concerning the competition conditions or brief should be sent to the Competition Manager via email at:

manager@UTSpodium.com.au

The final date for submission of questions is **2nd October 2009**.

All questions and answers will be posted on the competition website at:

www.UTSpodium.com.au/FAQ

8.2 First stage submissions

The first stage of the competition is composed of two strands; a mandatory Statement of Capability and an optional Concept Proposal.

The first stage of the competition is intended to produce evidence of the design approach and of the quality of design appropriate to the nature of this project, and the ambitions of the University of Technology, Sydney as stated in Part 2 of this document.

A detailed design submission is not sought at this stage. Drawings and images should be such as to illustrate an outline design approach and an indication of how this might be developed in detail, along with explanation of any proposed technologies or systems not understood within the scope of usual architectural practice.

Registrants will be free to combine graphics and text within the page limits for both concept and capability submissions but should not use material included in the Concept Proposal in the Statement of Capability.

Entrants may use the photographic images, diagrams and maps made available within the Competition Brief and via the competition website for purposes related to the presentation of their entry. Copyright of photographic images, diagrams and maps remains with UTS and all statutory rights are reserved.

First stage submissions should comprise:

Capability Statement

The Capability Statement is mandatory for first stage submissions. A pro forma to be used for the Capability Statement is provided on the competition website.

The Capability Statement will comprise no more than ten (10) single-sided A4 pages detailing the registrants' past performance and suitability for the project.

The document will include curriculum vitae of personnel, practice information notes and/or illustrations of other work which the entrant has carried out. The intent is to provide evidence of the capability and competence of the entrant to carry out the project if appointed.

All Capability Statements will be reviewed by the Capability Assessment sub-panel. Assessment of this strand is, of necessity, not anonymous and also should **not** have the competition identification number affixed **nor** any reference to the Concept Proposal.

Two (2) compact discs each containing an electronic version of the capability statement must be enclosed.

Concept Submission

The Concept Submission is optional for first stage submissions, and should consist of four (4) A2 sheets of drawn or text material mounted on lightweight board.

Entries should be clearly numbered, with the competition identification number affixed on the reverse of each panel. Entries without the competition identification number will not be eligible.

All Concept Submissions will be reviewed by the Concept Assessment sub-panel anonymously. Accordingly, other than the competition identification number affixed as above all submissions must be free of any marks, logos, or writing that identifies the applicant(s). The presence of any identifying insignia will result in disqualification.

Two (2) compact discs each containing an electronic version of the four A2 sheets of the concept submission at a resolution of 200 dpi.

8.3 Lodgement

First stage submissions must be clearly addressed on the outside and lodged with:

The Competition Manager

UTS Podium Competition

Level 6, 235 Jones St

Ultimo 2007

First stage submissions must be lodged by 2:00 pm on **26th October 2009**.

8.4 First stage assessment

The first stage entrants will be assessed during November 2009.

Up to five finalists will be selected to go through to stage 2. It is expected that some finalists will be selected on the basis of design concept, and some on the basis of capability.

It is essential that the winner of the competition has the ability to undertake the commission and complete it in a timely fashion. The Capability Assessment sub-panel will assess the ability of first stage finalists to undertake the commission – either through their own experience or through a proposal to manage their affairs. The Capability Assessment sub-panel will not view the finalist's designs.

8.5 Interview

Some first stage finalists may be invited to an interview with the Capability Assessment sub-panel to discuss their approach to the management of the project if appointed, and to discuss the constitution of their design teams. Any first stage finalists who are unable, in the opinion of

the Capability Assessment sub-panel, to organise their affairs to undertake the project, will not be invited to participate in the second stage.

8.6 Competitors' expenses

UTS will reimburse reasonable expenses incurred by interstate competitors invited to travel to Sydney for the purpose of interviews with the Capability Assessment sub-panel and briefing for the second stage.

8.7 Retention and Exhibition of submitted material

All submitted material shall become the property of UTS and UTS will not be responsible for the return of any submitted material to competitors.

The promoters intend to exhibit all Stage 1 and Stage 2 entries at the conclusion of the second stage of the competition.

9. SECOND STAGE

9.1 Participants in second stage

Up to five architects selected from the first stage of the competition will be invited to participate in the second stage of the competition, provided the Capability Assessment sub-panel is satisfied under clause 8.5.

9.2 Briefing

The Design Brief as issued with these conditions will serve for Stage 1 of the competition. A more detailed brief will be issued for Stage 2.

9.3 Second stage submissions

At this stage submissions will be expected to illustrate a developed design concept for the proposed UTS Building 1 and 2 Podium Extension together with a sound costing.

Second stage submissions should comprise:

1. Six (6) A1 sheets, mounted on lightweight board, illustrating site plan, the relationship of the building to the masterplan and overall campus strategy, plans of all principal floor levels, typical sections at 1:200, 1:50 typical section through a single floor, and drawings or other representations illustrating the design and character of the building.
2. A written report describing the design and its technical aspects, of no more than 5,000 words. Diagrams may be used to illustrate points.
3. An outline cost plan. The pro forma for this will be issued at the second stage.

4. Two (2) compact discs containing two (2) electronic versions of the entry. The electronic versions must consist of the completed pro forma cost plan and unsecured PDF files of the written report and each of the six (6) A1 sheets of the design at a resolution of 200 dpi.

No other additional material will be accepted.

9.4 Lodgement

Second stage submissions must be lodged with:

The Competition Manager

UTS Podium Competition

Level 6, 235 Jones St

Ultimo 2007

Second stage submissions must be lodged by 2:00 pm on **1st February 2010**.

9.5 Second stage assessment

The second stage Assessment Panel, comprising 3 nominees of NSW Department of Planning and/or City of Sydney and 3 nominees of UTS will select a winning entry and will recommend to the University of Technology, Sydney the appointment of the winning architect for the project.

9.6 Appointment

The University of Technology, Sydney intends to proceed with the appointment of an architect for the project, taking full account of the recommendations of the Assessors and the outcome of the competition. Conditions of engagement will be based on an amended version of Australian Standard AS 4122. A copy of this agreement will be provided to competition finalists.

Fees will be based on the now withdrawn RAIA Fee Guide No. 8, Classification 1, ie percentage for full service based on the project cost. The percentage fee will include copyright (refer to 9.7 below) and the percentage fee will include the hosting of a web based document control system. As a guide, a project with a construction cost of \$25M would attract a fee percentage of 4.8% and equate to a fee of \$1.2M.

The University of Technology, Sydney has the right not to award a winner and not to proceed with the project at its absolute discretion. The University is the sole authority in making a determination from the competition process, and no correspondence will be entered into.

9.7 Ownership and Copyright

Ownership of and copyright in all Design Documentation shall as from the date of submission be, and shall remain, vested in the University of Technology, Sydney.

By submitting an entry a competitor agrees to grant to the University of Technology, Sydney a worldwide, perpetual, royalty-free, exclusive license to use and/or reproduce the entry in any

way, in any medium now known or hereafter devised, for any purpose, including but not limited to publication, exhibition, education and archive of the Competition.

9.8 Disqualification

An entry may be excluded from the competition for any of the following reasons:

- If received after the relevant last date for submission of entries;
- If any of the competition conditions are breached or disregarded;
- If a competitor improperly attempts to influence directly or indirectly the decision of the Assessors.

9.9 Disputes

The decision of the Chairman of the Assessment Panel in all matters pertaining to the judging of the competition will be final.

10. COMPETITION TIMETABLE

12 th September 2009	Launch first stage competition
2 nd October 2009	Registrations close; question period closes
9 th October 2009	Answers to questions posted
26 th October 2009	First stage competition closes
14 th December 2009	Launch second stage competition
15 th February 2010	Second stage competition closes

PART 2 DESIGN BRIEF

11. COMPETITION OBJECTIVES

11.1 Introduction

In 2008, the UTS Council adopted the UTS City Campus Masterplan 2020 (the Masterplan) prepared by Bligh Voller Nield. The Masterplan provides a new vision for the physical campus and is integral to the achievement of the University's long term strategic goals. As part of the implementation of the Masterplan, extensions are proposed to the existing podium of Building 1 (the 32 storey landmark tower and most well known UTS building) and Building 2 (a 7 storey podium building being converted to the UTS Learning Commons). Both buildings front Broadway in central Sydney. These extensions will provide a new main entry to the Broadway Precinct of the City Campus and new frontage to Broadway for a distance of approximately 130 metres.

The purpose of this architectural competition is to seek ideas which may lead to an innovative architectural vision which will:

- creatively interpret the Masterplan, and the Building 1 and 2 Podium Extension within it, paying attention to these buildings' role as the formal entrance to the campus and new frontage to Broadway. The proposal must seek to realize the potential of this prominent site and create a strong presence for UTS on Broadway
- provide accommodation for general teaching space, entry to campus, retail space, small cinema, learning commons (library), student services shopfronts and 600 seat lecture theatre
- achieve at least a 4 star Green Star rating and incorporate ESD principles
- integrate and creatively interpret the objectives of the University of Technology, Sydney as an institution
- Create a positive public interaction with its neighbouring buildings and environment, including the Frasers Broadway site and the proposed new UTS Broadway Building, in such a way as to enhance the southern approach to the Sydney CBD
- Demonstrate innovative and appropriate architectural design and approaches to the public domain consistent with the University's civic aspirations and role as a community leader

11.2 Green building

The University is committed to sustainability. The design for the Building 1 and 2 Podium Extension must achieve at least a 4 star Green Star rating and integrate and extend the principles of the UTS City Campus ESD Masterplan (Arup 2008) available for download from the competition website at www.UTSpodium.com.au/downloads. Innovative approaches to issues of sustainability and energy will be highly regarded.

12. SITE

12.1 About the University of Technology, Sydney (UTS)

UTS was formed at the beginning of 1988 from the former NSW Institute of Technology (NSWIT), and was restructured in 1990 by merger with the Kuring-gai College of Advanced Education, the School of Design, and the Institute of Technical and Adult Teacher Education. Although its antecedent institutions go back as far as 1893, they took new shapes from the 1960s. This change in profile, combined with the University's predominantly CBD location in the city of Sydney, created a new identity. UTS is a university focused on practice-oriented education with strong links to industry, the professions and the community, and with a growing research reputation and a strong commitment to internationalisation.

UTS is also a contemporary and progressive university with a global perspective that is linked to the life of the cosmopolitan city of Sydney and the knowledge requirements of industry and the professions.

Proposals should create a strong identity for UTS on Broadway and as an institution in the City and demonstrate a commitment to the university's guiding principles noted above.

12.2 Location and context

The site for the UTS Building 1 and Building 2 Podium Extension is on the north side of Broadway, between UTS Building 8 and Jones Street, opposite the Frasers Broadway site (formerly the Carlton United Brewery). It is bordered to the north by UTS Building 1 and UTS Building 2. The proposed new UTS Broadway Building is located on the immediate block to the west between Jones Street and Wattle Street.

The site has prominence for pedestrian and vehicle traffic approaching in both easterly and westerly directions along Broadway.

The UTS Concept Plan and Concept Design for the UTS Broadway Building, available to competition registrants, will provide necessary contextual information.

12.3 Characteristics of the site

The competition site is defined by Broadway to the south, UTS Building 8 (The Terraces) and Building 9 (The Loft) to the east, Jones Street to the west, and Building 1 and Building 2 to the north and includes the existing external terraces on the south side of Building 1 on Levels 5,6 and 7. The competition site also includes the part of the existing basement Level 3 of Building 1 directly under the competition site.

Building 1 and Building 2 have a major influence on the site and consideration of the relationship of all architectural and planning characteristics of these buildings with the proposed extension will be fundamental to design proposals.

Proposals should consider the integration and appropriateness of the extension with the existing Building 1 Podium . It is envisaged that the existing character and finishes of the existing Building 1 Podium interior (Levels 3 to Level 7) will be retained. Under the provisions of the Masterplan

Building 2 will be extended and undergo a major refurbishment. The building envelope will be extended to the north and the south (ie the competition site) and a new floor level (Level 8) will be added over the full extent of the new envelope. Levels 3 to Level 7 of Building 2 will undergo a major refurbishment and both the exterior and interior will be significantly reworked. The Masterplan also recommends that the base of the existing Atrium in Building 2 is lowered from Level 4 to Level 3. Also refer to Section 14.4 “Building Requirements”.

A Site Survey, a plan of the extent of the competition site and Plans, Elevations and Sections of Building 1 and Building 2 are available for download from the competition website at:

www.UTSpodium.com.au/downloads

The site is a 5 minute walk from Central Station, and as such is readily accessible by car, train and bus.

Proposals should also consider the immediate site in terms of the broader campus Masterplan, taking into consideration how design decisions made at the level of the building affect the broader campus and urban landscape. Proposals should pay particular attention to the ways in which the Building 1 and 2 Podium Extension interacts with and organises a range of movement patterns through and around the site and meets the strategies for circulation identified in the Masterplan, and that these patterns involve a range of potential users of the building, both internal and external to UTS.

12.4 Views to and from the site

A range of single photographs and panoramic montages showing aspects of the site and its surroundings is available for download from the competition website.

12.5 Existing Structures on the Competition Site

The site for the Building 1 and 2 Podium Extension is currently a paved Forecourt constructed over three basement levels that extend to the UTS property boundary on Broadway. Structural information regarding the capacity of the existing basement structure to support the proposed Podium extension is included in Appendix A available for download from the competition website at www.UTSpodium.com.au/downloads

13. PLANNING CONTROLS

13.1 Ownership

The competition site is wholly owned by the University of Technology, Sydney.

13.2 Planning Authorities

The Planning Authority for the site is the NSW Department of Planning. The winning design for the UTS Building 1 and 2 Podium Extension will need planning permission in accordance with normal procedures. However, competitors must not raise queries or enter into direct discussions with consent authorities. Competitors should proceed on assumptions based on this Design

Brief. Any questions should be referred to the Competition Manager in accordance with the competition brief.

13.3 Zoning

The site is zoned Residential-Business, and is part of the Ultimo-Pyrmont precinct.

13.4 Legislation and statutory requirements

Competitors are not expected to resolve the detailed requirements of all relevant legislation. However, it is emphasised that designs must be capable of realisation within the constraints of this legislation. In particular, the attention of competitors is drawn to:

- The Building Code of Australia
- Occupational Health and Safety legislation
- Australian Standards
- Sydney Local Environment Plan (SLEP) 2005
- UTS Design Guidelines available at www.fmu.uts.edu.au/for/consultants/docs/UTSDesignGuidelines.pdf
- The UTS City Campus Broadway Precinct Concept Plan Application May 2009

13.4.1 Building Height

Under the UTS City Campus Broadway Precinct Concept Plan Application, the maximum permissible building height for the competition site is RL 38.890 determined in accordance with the Ultimo Pyrmont Definition in SLEP 2005. Refer to the UTS City Campus, Broadway Precinct Concept Plan Application May 2009 available from the competition website for the detailed height requirements for the full extent of the site.

14. GENERAL BRIEF REQUIREMENTS

14.1 Strategic Vision

The Building 1 and 2 Podium Extension is central to addressing two of the key UTS City Campus Masterplan 2020 Strategic Drivers / Objectives. These are the creation of a:

VITAL / CONNECTED CAMPUS also referred to as a “sticky campus”

“The “sticky campus” will be a university that people will choose to participate in – they need to be attracted to and retained on campus, which benefits both students and UTS”.

[Extract from UTS Accommodation Analysis and Evaluation 2007 (Woods Bagot)]

CENTRE FOR THE CAMPUS

“The UTS campus is an intensive urban environment quite unlike the suburban university campus. The latter, for example UNSW, is often laid out with a

“ceremonial mall” which becomes a strong image in its identity and in its evolving planning.

At UTS the urban equivalent of the ceremonial mall is the central open podium within Building 1. The strong and dramatic space provides a defining image for UTS: it is UTS’s identifiable centre. It is a major destination for students, and should be developed as the “heart” of the campus.

The campus heart should be an academic, administrative, social and ceremonial heart”.

[Extract from UTS City Campus Masterplan 2020 (Bligh Voller Nield)]

The uses identified in the Masterplan for the Building 1 and 2 Podium Extension were purposely selected to support these objectives. The planning and design of the Building 1 and 2 Podium Extension must also respond to these objectives.

14.2 Urban Requirements

The proposal must consider the following :

- The relationship in planning and urban design terms of the Building 1 and 2 Podium Extension with the development proposed for the Frasers Broadway site. It is noted that a Modified Concept Plan was approved by the NSW Department of Planning in February 2009 for this site and a Project Application lodged 12th August 2009
- The contribution of the proposed Building 1 and 2 Podium Extension in conjunction with the proposed designs for the UTS Broadway Building and the Frasers Broadway site to the creation of a gateway to the Sydney CBD.
- The creation of a strong identity for UTS on Broadway and as a significant institution in the City

14.3 Campus/Precinct Requirements

14.3.1 Entry to Campus

The “formal” entrance to the UTS City Campus is to be incorporated into the Building 1 and 2 Podium Extension.

Design proposals must address the criteria noted in the following extract from the Masterplan:

“As a campus, and as an institution, UTS has a substantial physical presence in relation to the rest of the city. As a city campus, it lacks the boundaries and fences of a traditional suburban garden university, and its new and existing buildings should be permeable, with many entrances and openings to both the campus and the streets.

On a larger scale, the campus still needs to address the city in some way, with an identifiable entrance and formal presence making a statement that UTS is the university within the city.

UTS needs to address Broadway – and it should be through a front door like any other major city building. The entrance needs to be of a scale and significance matching its position on Broadway, unlike the current entrance forecourt which is a bleak and forgotten space, lacking intention and purpose in representing a major teaching institution.

The entrance is not just formal but has significant relevance as a point of entry. Many students and visitors approach the campus from Broadway – from the station, from the buses and from foot if coming east from the city, or west from Broadway Shopping Centre and Newtown. It is an active and vital hub, and will become even more so with the relocation of the Learning Commons and the establishment of the student commons.”

[Extract from UTS City Campus Masterplan 2020 (Bligh Voller Nield)]

14.3.2 Cultural Hubs

The Masterplan proposes the creation of a number of new cultural hubs. One of these is the development of the area adjoining the Loft Bar (CB09) and the small courtyard in front of it located at the east end of the competition site.

The Masterplan proposes a “new experimental cinema located alongside the existing Loft Bar, in one of the tucked away spaces already popular among students. The cinema would be accessed by students and the public off Broadway through the creation of a new lane / arcade.”

Design proposals must address this Masterplan strategy and note the more recent requirement for the Cinema to have a frontage and presence on Broadway.

14.3.3 Relationship with other UTS Buildings

The relationship of the proposal to the existing buildings on the Broadway Precinct must be considered and particularly the following:

- the Concept Design for the proposed new Broadway Building (located to the west of the competition site)
- Building 3 (Bon Marche), Building 8 (The Terraces), Building 9 (The Loft) and associated Courtyard

14.3.4 Circulation

The “major gateways” and circulation routes identified in the Masterplan (and included in Sections 3.2 and 3.3 of the Concept Plan) must be addressed. The organisation (including cross section) of the new entry to Building 1 can be to the designer’s discretion and not as exactly noted in the Masterplan.

14.3.5 Pedestrian Improvements

The proposal must provide shelter from inclement weather for pedestrians using the footpath on the Broadway frontage to the campus.

14.3.6 Bus Stops

There are currently two main bus stops eastbound in Broadway outside the University (just east of Wattle Street and outside the main entrance to Building 1). These two bus stops are to be amalgamated into a more central larger bus stop east of Jones Street on Broadway. Shelter for this bus stop is to be incorporated into the shelter to be provided for pedestrians noted in Section 14.3.5 Pedestrian Improvements. The relocation of the existing bus stop outside Building 1 will remove an impediment to pedestrians.

14.4 Building Requirements

14.4.1 Existing Architecture of Building 1

The existing Building 1 is an example of Brutalist architecture and is a well known Sydney landmark. The interior of the podium has architectural significance as a public space and as an example of a “brutalist” interior based on the following:

- The size (area and volumes) of the public spaces are rare for public buildings in Australia
- The expression of the structure. The sizes of the structural spans and post tensioned floor systems are rare for public buildings. The architect for the building (Michael Dysart then of the NSW Department of Public Works) recently noted that the design is intentionally based on structural expressionism to create a stimulating environment appropriate for the original users of the building –engineering students
- The strength and robustness of the materials and finishes. The finishes are generally the natural finish of the primary building components rather than being applied

It is a requirement that the architectural integrity of the existing structure and finishes (lifts core, columns, beams, precast concrete ceilings, brick walls and granite flooring) are maintained.

14.4.2 Relationship With Existing Building 1 and Building 2

- architectural solutions must facilitate the podiums of Building 1 and 2 (existing and extensions) to become a cohesive and unified building (podium exterior and interior)
- the planning and circulation system of the existing podium of Building 1 and the extension must be integrated
- the architectural relationship of the extension with the existing Building 1 Tower must be considered. It is not envisaged that the façade of the existing tower will be replaced or modified in the next 10 years
- generally new floor levels must align with existing floor levels
- the structural and construction approach must allow for future flexibility and adaptability

14.4.3 Amenity of Existing Building 1 Podium

Proposals should consider the amenity of the existing spaces and rooms in the existing Building 1 Podium in regard to:

- the penetration of daylight
- views to the outside and contact with the outside
- the possibility of natural ventilation

14.4.4 Structural Considerations and Limitations

Proposals must be structurally and financially viable. Engineering advice regarding the structural capacity of the existing basement structures on the site is provided in Appendix A.

14.4.5 Environmental Factors

Air Pollution: there is significant air pollution generated by vehicle and bus movement on Broadway

Acoustic: there is significant noise pollution generated by vehicle and bus movement on Broadway

Wind: Based on building envelopes prepared for the Concept Plan Cermak Peterka Petersen Pty Ltd Wind Engineering and Air Quality Consultants advise the following:

“Westerly winds will be channelled through the site between building gaps and the street corridors, particularly Broadway. Compared with existing conditions, the wind flow along Broadway will be accelerated due to the increased massing of the Concept Plan Building 1 and 2 and

Broadway buildings, and the proposed Frasers on Broadway development to the south.... In particular, the extension to Building 2 to the Broadway street boundary, and the new four storey façade forming the revitalised entry to Building 1, will provide additional channelling flows at roadside locations.”

[Extract from Wind Assessment for Concept Plan University of Technology, Sydney (UTS) Broadway March 2009 Cermak Peterka Petersen Pty Ltd]

Solar: The part of the site for the Building 1 and 2 Podium Extension to the south of Building 1 under existing site conditions receives some solar access between 9am and 12.00pm for Summer and the Equinoxes and at 3pm in Summer.

14.4.6 ESD

UTS is committed to achieving as a minimum the following Green Star ratings:

- Refurbished spaces in Building 1 and Extension to Building 1 Podium: 4 Star Green Star
- Building 2 and Extension to Building 2 Podium: 4 Star Green Star

14.4.7 Mechanical Services and Ventilation

The following recommendations from the UTS City Campus ESD Masterplan 2020 (Arup 2007) should be considered:

- Incorporate natural ventilation strategies into all circulation spaces in new and major refurbishment projects
- Use mixed – mode ventilation strategies for classrooms, offices and other appropriate locations (where feasible)
- Open the existing Building 1 Atrium to natural ventilation with a high – level exhaust system

The Building 1 and Building 2 central plant, located in Basement 1 of Building 1, supplies chilled water to Building 1 and 2 (and others). The central plant connects to cooling towers on the roof of Building 1 Tower and Building 2, with air handling units located in the basement and on the roofs of the Building 1 Tower and Building 2 and in Level 7 of Building 1.

For the extension to the Building 1 Podium the mechanical services can be considered as an extension to the existing mechanical system for Building 1.

For the extension to Building 2 the mechanical services will be part of an entirely new mechanical system proposed for Building 2. The existing Building 1 and 2 central plant will provide chilled water to Building 2.

14.4.8 Service Vehicle Access

Service vehicle parking and loading dock facilities for the Building 1 and 2 Podium Extension will be provided in the existing service area on Level 2 of Building 1 accessible off Thomas Street.

14.5 Summary of proposed works

Submissions should incorporate the following features:

- total accommodation of 5500 m² usable floor area (Building 1 extension 2,500 sqm and Building 2 extension 3000sqm) composed of:

14.5.1 Entry

The formal entry to the City Campus on Level 4 Building 1 off Broadway is maintained in the Masterplan.

The new “ante space” to the Entry should:

- be approx. 550sqm
- have appropriate scale
- provide a strong sense of identity and clearly mark the Entry
- include an external undercover area that is contiguous with the shelter for pedestrians using the Broadway footpath noted in Section 14.3.5
- have the area required to accommodate the volume of students entering or leaving the campus at peak times
- include space for waiting and meeting other people
- consider solar access

14.5.2 Cinema

A 150 seat cinema is required for accommodating:

- mini festivals and retrospectives accompanied by on stage interviews with filmmakers, talks about films and filmmakers
- screening of short films by UTS students as part of course work
- literary events

Cinema to have a presence / frontage to Broadway.

AUDITORIUM (ie seating, stage and screen)

- approx. 260 sqm
- 150 seats
- stepped floor
- 35mm and digital projection
- large screen format approx. 8000 wide
- small stage

PROJECTION ROOM

- minimal size as required

STORAGE and SERVICE ROOM

- storage for projectors and equipment as required
- space for winding film on spools approx. 6000mm x 2000mm

DRESSING ROOM

A minimal facility that could be located in reasonable proximity on another floor of the building

- vanity bench with mirrors for 3 people
- shower

FOYER

The foyer should provide minimal space for waiting, small social groups and milling as required. The foyer could adjoin other public areas of the University including external areas that would provide space for larger social groups and taking refreshments at intervals.

TICKET BOX

- as required
- alcove for administration desk 1600mm long

REFRESHMENTS

Facilities for the sale of light refreshments are required. These could be provided by a facility shared between the Cinema and the Coop Bookshop (noted in the following) or the UTS Union located nearby in Building 9 (The Loft). Design proposals may include other alternatives.

14.5.3 Retail

CO - OP BOOKSHOP

A contemporary retail space that should be perceived by students as a “quality facility”. The retail and operational area will employ 25 staff normally and up to 50 in peak periods.

Book launches could be held in the Cinema noted above.

RETAIL AREA

- approx. 600sqm
- frontage to Broadway including window display. Level access off Broadway.
- could include a café
- could be used for book launches
- workstation for Team Leader and Assistant Manager adjacent to main service counter

CO – OP BOOKSHOP OPERATIONAL AREA

The operational facilities noted in the following can be accommodated in a satellite location (eg Level 2 or 3 of Building 1) if service lift access is provided.

Loading dock facilities are required and can be provided in association with the university's existing Loading Dock on Level 2 of UTS Building 1

- approx. 200sqm in total excluding loading dock facilities
- Store approx.60 sqm
- Goods Receipt Area 25sqm
- Outgoing Goods Area 25sqm
- Manager's Office 9sqm
- Workstations approx. 5sqm each for two Buyers and 2 Accountants
- Cash Counting Room 9sqm
- Staff Lunch Room for 25 staff
- Staff Locker Room for 25 staff
- Access to Toilets as required

14.5.4 600 Seat lecture Theatre

A lecture theatre is required for teaching and public lectures for up to 600 people. The lecture theatre must be adjacent to public spaces where ante space, "meet and greet" and refreshment breaks associated with public lectures can be held.

- stepped floor
- 600 seats
- divisible into two 275 seat lecture theatres with acoustic separation

14.5.5 UTS Union

A flexible space is required that could be fitted out for student use (social activities) and or administrative office space.

- approx. 350sqm
- windows to outside

14.5.6 General Teaching Space

Flexible space that can be fitted out for flat floor teaching space.

- approx. 300sqm total
- one 40 seat room
- two 60 seat rooms

- located on existing Level 3 Building 1 RL 12.50

14.5.7 New Lane or Arcade

A new or enhanced pedestrian connection off Broadway to The Loft (CB09), Building 3, Turner Lane and the Building 1 Podium extension is required.

14.5.8 Library (Learning Commons) (Extension to Building 2)

The Masterplan includes the relocation of the main UTS Library from the Haymarket Precinct to Building 2 (Levels 3 – 8 inclusive) including the full extent of the extension to Building 2 (Levels 4 – 8 inclusive) on Broadway. Note that Level 8 is a new floor level to be added over the full extent of Building 2. Also refer to Section 12.3 Characteristics of the site. The extension to Building 2 should be designed to be flexible space suitable for accommodating any library uses (eg shelving for books, open plan study or carrel space, meeting rooms or administration offices).

- approx. 3000sqm total

15. ADDITIONAL MATERIAL

Additional material which is relevant to the stages of the competition may be made available for reference and/or downloading from the competition website. Registrants will be advised of the addition of this new reference material via email.

15.1 UTS City Campus ESD Masterplan 2020

UTS is committed to incorporating high standards of environmental sustainability in the development of the campus. The ESD Masterplan is based on seven key principles: water, daylight, transport, energy, flexibility/adaptability, work environment, and education product.

The UTS ESD Masterplan is available for download from the competition website.

15.2 Frasers Broadway Development

The Frasers Broadway development on the former Carlton United Brewery (CUB) site is a major construction and urban renewal project which will define a significant aspect of the environment for the UTS Broadway Building.

In February 2009 the Modified Concept Plan for the CUB site was approved by the NSW Department of Planning and includes new parklands, community facilities and upgrades to urban infrastructure. The modified concept plan application can be viewed at the Frasers Broadway website at:

<http://www.frasersbroadway.com.au/broadway/doc.htm>

16. COST

Designs must be capable of realisation within a budget of \$26,000,000 at current building costs without allowance for escalation. This budget is exclusive of professional fees and competition costs.

17. PROGRAM

It is envisaged that the second stage winner will be announced in April 2010 with construction commencement on site in early 2011.

End V6 09.09.09