



SYDNEY INTERNATIONAL CONVENTION, EXHIBITION AND ENTERTAINMENT PRECINCT

BUILT FORM AND PUBLIC REALM ADDENDA FOR SECTION 96(1A)

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HASSELL+POPULOUS

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ADDENDUM

A1.0 DESIGN REVISIONS

A1.0

DESIGN REVISIONS

The revisions following have been made in the interest of generating an overall better design outcome for; the facilities themselves, including operational imperatives, and importantly Darling Harbour and its surrounding precincts.

A1.1

ICC SYDNEY

Please note that where the term 'Parkside' is used below this refers to the portion of the Convention Centre that is located under the Western Distributor.

SUMMARY OF REVISIONS

- GRAND BALLROOM - PREFUNCTION & BALCONY
- CONVEX LOCATION
- 'PARKSIDE'- RETAIN EXISTING BUILDING FACADE/ ALIGNMENT
- PARKSIDE- RETAIL
- 'PARKSIDE'- CENTRALISED CHILLER PLANT ROOM
- 'PARKSIDE'- EXHIBITION CARPARK
- PARKSIDE- VENUE MANAGEMENT & TECHNICAL SERVICES
- 'PARKSIDE'- CONCOURSE CONNECTION BETWEEN EXHIBITION & CONVENTION
- DARLING HARBOUR THEATRE - VOLUME
- DARLING HARBOUR THEATRE - FORM & EXPRESSION
- ROOF PHOTOVOLTAIC CELLS

A1.1.1 GRAND BALLROOM - PREFUNCTION & BALCONY PROPOSAL

The Grand Ballroom Prefunction and Balcony space continue to develop as a dramatic and unique space for Sydney. To further articulate the expression of the Ballroom soffit, the glazed facade is raked back in an undulating fashion. The balcony line is faceted to provide increased depth to improve the experience of those gathering within

A1.1.2 CONVEX LOCATION

The approved DA scheme presently locates the CONVEX space at Level 1 (RL 7.2). A ceiling height of 8 metres is proposed in the current approved scheme, although exhibition elements are limited to the height of the Goods Loading lift.

The proposal seeks to relocate Convex to Level 2 (RL 10.9), with improved circulation, queuing, and footfall to this exhibition space. The lifting of Convex to RL 10.9 also provide direct access to the Darling Harbour Theatre which provides additional benefits for major events. The ceiling height achieved within Convex will be a minimum of 5 metres.

A new stair and lift connecting the Concourse to Exhibition Carpark arrives at RL 12.0 serving both the ICC and Exhibition venues.



ICC Sydney - new internal stair



ICC Sydney - revised vertical circulation

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ICC Sydney Perspective

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A1.1.3 'PARKSIDE'- RETAIN EXISTING BUILDING FACADE/ ALIGNMENT (EAST ELEVATION)

The current approved scheme proposes to remove the existing 'Parkside' facade and extend the built alignment about 14 metres eastward into the public realm.

Through the design development process the building has condensed and it now proposes to retain the existing Parkside facade and built alignment.

The proposed design reduces the developed footprint, thereby reducing the extent of demolition through retention of existing floor levels, maintaining key functional spaces and adapting existing circulation areas.

The design revisions incorporate internal and external access between the Exhibition Carpark and ICC, and expands retail opportunities and potential footfall at the ground level.

A1.1.4 PARKSIDE- RETAIL (EAST ELEVATION)

The location of the Retail at ground level is modified to sit below and within the footprint of the existing eastern edge of the 'Parkside' building. The retail floor level has been lowered from the approved scheme to reduce the height difference from the Boulevard to only 0.5m.

The length of shop frontage has increased from 39m to 55m, providing better potential activation of the facade at boulevard level, resulting in nearly 1000m² of additional public space.

A1.1.5 'PARKSIDE'- CENTRALISED CHILLER PLANT ROOM

PPR accommodates the precinct centralised chiller plant room at Level 0 within the existing Parkside building.

Through the design development process one of the key internal planning moves, is to relocate the centralised chiller plant room to the new ICC development at the same level. The move reduces the floor area significantly as the plant is no longer contending with the inefficiencies of an existing structural grid. In addition the revised location provides direct services access to the Cooling Towers at roof level improving reticulation and maintenance access. The relocation of the central chiller plant has freed up significant additional area in its original location for general venue storage.

A1.1.6 'PARKSIDE'- EXHIBITION CARPARK (EAST ELEVATION)

The revised design realigns the proposed ICC Exhibition external stair and escalator to respond to the proposed retention of the existing Parkside building and harbour foreshore.

Direct access from the ground level car park to the Boulevard is maintained with new vertical access arrangements via an internal lift serving both Exhibition and Convention Centre are provided. An alternative covered walkway connection from the Exhibition Car Park to ICC Reception and Lobby is also proposed.

The relocation and redevelopment of the Harris St pedestrian lift identified in PPR is to be maintained as proposed.

A1.1.7 'PARKSIDE'- CONCOURSE CONNECTION BETWEEN EXHIBITION & CONVENTION

The revised design adapts the existing Parkside Ballroom pre-function space as a direct connection through to the ICC Exhibition building.

The retention of the existing facade provide further articulation and clarity to the new ICC southwest.

A1.1.8 PARKSIDE- VENUE MANAGEMENT & TECHNICAL SERVICES

Venue Management offices remain on Level 1 (RL6.4), now located within the envelope of the existing Parkside building. The functional area requirements remain as briefed, with a more efficient interior layout.

Venue Management is now afforded a separate, primary address point accessed directly from the public realm to the east and an internal access via the Exhibition Car Park proposed lift and stair arrangement for staff.

The department remains centralised with improved access to the Convention Foyer and central lift core, Exhibition Loading Dock and Exhibition Concourse. Technical Services (including AV & IT) is relocated from Level 0 to Level 1, adjacent to Venue Management for improved communication and collaboration. Technical Services maintains close proximity to the ICC central core for direct access to event spaces.



ICC Sydney - revised 'Parkside' with new retail activated public realm

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ICC Sydney - revised 'Parkside'

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A1.1.9 DARLING HARBOUR THEATRE - VOLUME

The review of the sightline coefficients and seating bowl profile provided the opportunity to address the overall volume and height of the Darling Harbour Theatre. The architectural response reduces the roof ridge height 4.5 metres, responding positively in reducing building bulk. The reduced height allows a greater expression of the Grand Ballroom western soffit and lowering of the central Cooling Tower Plant.

A1.1.10 DARLING HARBOUR THEATRE - FORM & EXPRESSION

The architecture responds positively to this change in volume, allowing the Darling Harbour Theatre to be expressed as a more unique, solid element offering a reductive backdrop when read against the more expressive forms of the new ICC. The Darling Harbour Theatre is distinct from the glazed faceted design of the ICC building as it addresses a more robust and solid urban fabric.

The cladding of the Darling Harbour Theatre box consists of solid panels arranged in a detailed pattern. The proposed panel arrangement acts as a lightweight screen over the solid mass of the Darling Harbour Theatre box providing greater articulation to the western and southern facade. The scale of the panels is in-keeping to the overall family of the ICC facade elements. The northeast glazing is simplified in arrangement from the pixelated proposal at PPR. The north-east glazing is positioned to provide key harbour views.

The full-height northwest glazing is introduced to bring afternoon and evening light to the Theatre pre-function spaces as well sense of activity within to the public realm.

A1.1.11 ROOF PHOTOVOLTAIC CELLS

Additional PV Cell area has been added to roof of the Darling Harbour Theatre. These are visually concealed by the parapet wall unless viewed at very high level.

The overall increase in area for PV cells across the project provides flexibility in terms of the final location for installing of the PV array. The total PV cells across all the Core Facilities will not exceed the committed 400kW capacity.



ICC Sydney - revised 'Darling Harbour Theatre'

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ICC Sydney - revised 'Darling Harbour theatre'

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A1.2

ICC EXHIBITION

SUMMARY OF REVISIONS

- QUARRY STREET BRIDGE
- WEST ELEVATION
- SOUTH ELEVATION
- NORTH ELEVATION
- EAST ELEVATION
- EVENT DECK
- LOADING DOCK

A1.2.1 QUARRY STREET BRIDGE

The footbridge connecting to the Exhibition Event Deck over Darling Drive has been realigned and raised in height. This is a result of design development in conjunction with the landscape design which has defined more specific desire line requirements from Quarry Street over the top of the existing monorail platform through to the Event Deck.

The design has been developed to form part of the streetscape language of bridges and elevated footpaths in the precinct. Consideration of safety barrier requirements as required by the RMS have been incorporated.

A1.2.2 WEST ELEVATION

Re-alignment and development of the West Elevation along Darling Drive has been undertaken to provide adequate footpath widths and the required vehicular sightlines for exiting from car parks and docks. Facade materials have been further refined to provide an improved public realm experience visually.

Proposed plant room 'pods' above the upper loading dock have been further refined including; material details and the additional of access walkways for required access and egress. The massing of 'pods' has been refined to co-ordinate with plant spatial requirements.

A1.2.3 SOUTH ELEVATION

Glass Lifts on the South East corner have been refined with a slight increase in glass to the South Elevation.

South wall enclosure line to the Loading Dock exit ramp has moved to the south marginally to accommodate easier truck movements.

A1.2.4 NORTH ELEVATION

North East corner massing of the building has stepped south slightly adjacent to the Western Distributor to accommodate RMS requirements.

'Fins' added to the elevation adjacent to the Western Distributor for reduced reflectivity requirements.

A1.2.5 EAST ELEVATION

North East Entry Stair and Canopy modified to align with ICC Sydney building - refer ICC Sydney section A1.1.4 for further explanation.

Meeting Room 'Pod' positions refined to co-ordinate with structure.

East Elevation glazing enclosure refined to co-ordinate with structure.

Plant room louver area decreased and glazing alignment adjusted at the north and south ends of the elevation.

A1.2.6 EVENT DECK

Event Deck Pavilion F & B areas increased and Canopy developed. The increase in server area on event deck maintains the same operational performance as the approved DA scheme generally for re-heating purposes.

Event Deck Lift moved south and Canopy to escalator developed.

Event Deck Stair to Quarry Bridge developed with realignment of Quarry Street Bridge as discussed in A1.2.1

A1.2.7 LOADING DOCK

The loading dock screen has been reduced and refined to follow the profile of the dock ramps at the north and south ends. Visually there is no impact to the views from the adjacent residential properties to the west.

Structure and profile of the Loading Dock developed and reduced with blade walls to the edge of Darling Drive on the West Elevation.



ICC Exhibition Perspective

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ICC Exhibition Perspective

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A1.3

THE THEATRE

SUMMARY OF REVISIONS

- BRIDGE
- SYDNEY WATER EASEMENT
- ENVELOPE
- CORPORATE FUNCTION AREAS
- UPPER FOYER PLANT ROOM
- ROOF PHOTOVOLTAIC CELL
- HIGH VOLTAGE PIT

A1.3.1 BRIDGE

The bridge connecting to the ICC Exhibition has been realigned and the design refined to be closer in language to the Theatre facades.

A1.3.2 SYDNEY WATER EASEMENT

The southwest corner of the car park has been reduced to alleviate clashes with Sydney Water easements but has resulted in no major aesthetic impact other than reduction in mass of building.

A1.3.3 ENVELOPE

Entry Stairs refined in response to development of landscape levels, and access/egress requirements. Large awning over entry has been refined.

The North and East main glazed facades are now vertical while previously the had a slight raking angle to improve the available internal circulation area.

Voids to north and east facade removed to improve internal circulation.

Southern and western facade lines have been pulled back to reduce overall volume.

Southeast stair facade has been pulled in reducing overall volume

Roof exhaust louvre extent reduced

Retail Glazing to Tumbalong Place and The Boulevard has been refined to better reflect the urban scale of the building with large format openings.

A1.3.4 CORPORATE FUNCTION AREAS

The corporate function area previously at RL 25.9 has been relocated to a Main Foyer mezzanine level and mid foyer level with internal stair links.

The relocated Corporate Facilities hover above the Main Foyer and are set back from the East glazed facade so it does not affect the ‘visual transparency’ of the facade while allowing for views into the Main Foyer, down the main staircase as well as through the facade back to the CBD.

Floor levels have been adjusted as a result of relocation allowing for better floor-to-ceiling heights in Foyers

A1.3.5 UPPER FOYER PLANTROOM

A plantroom space has been added above the Upper Foyer which has allowed the overall mass of the building to reduce on the sides. This plantroom is concealed by the return of the facade cladding back under the roof.

A1.3.6 ROOF PHOTOVOLTAIC CELLS

Additional PV Cell area added to roof as shown on drawings. The overall increase in area for PV cells across the project provides flexibility in terms of the final location for installing of the PV array. The total PV cells across all the Core Facilities will not exceed the committed 400kW capacity.

A1.3.7 HIGH VOLTAGE PIT

A chamber room and street access has been provided on the south side of the building for an existing high voltage pit as required by Ausgrid.



The Theatre - night view



The Theatre - minimal impact to facade transparency due to relocated corporate areas

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A1.0 SECTION 96(1A) REVISIONS



The Theatre Perspective