

Job No: IAC-333

11 August 2016

**SYDNEY OPERA HOUSE
BENNELONG POINT
GPO BOX 4274 SYDNEY NSW 2001**

Reference: Entry Foyer Accessibility Review – Access Report
Development Application

Attention: Mr Chris Barling

Dear Chris,

We have prepared this Access Report for the proposed Entry Foyer at the Sydney Opera House.

The output of our consultancy is a DDA Report for the purpose of DA submission for the proposed new eastern offices located at the Sydney Opera House.

Please feel free to contact the writer should you wish to discuss any aspect of this Access Report.

Yours sincerely,



RICHARD SEIDMAN

M.PropDev, BArch (Hons),
ARB Reg No 4700,
ACAA (Associate No 330)
Livable Housing Registered Assessor 10041





ACCESS REPORT DEVELOPMENT APPLICATION



DOCUMENT CONTROL

Project: Sydney Opera House
Eastern Offices
Document Type: Access Report – Development Application
Report Number: IAC-333

The following report register documents the development and issue of this and each subsequent report(s) undertaken by iAccess Consultants.

The technical and intellectual content contained herein remain the property of iAccess Consultants and have been prepared and may only be used for the development / buildings being the subject of this report.

Revision History:

Our Reference	Rev	Remarks	Issue Date
IAC-333	-	Access review report prepared and issued to client	11 August 2016
IAC-333	A	Editorial changes made to Executive Summary and issued to client	29 August 2016

Richard Seidman

ARB Reg No 4700,
M.PropDev, BArch (Hons),
ACAA (Associate No 330)



iAccess Consultants is a division of Seidman & Associates Pty Ltd ABN 37 002 648 615



ACCESS REPORT DEVELOPMENT APPLICATION



Contents

DOCUMENT CONTROL	2
1. EXECUTIVE SUMMARY	4
1.1. OVERVIEW	4
1.2. PROJECTS	4
1.3. NATIONAL CONSTRUCTION CODE – NON-COMPLIANCE	4
1.4. CHIEF GUIDING DOCUMENTS.....	5
1.5. CURRENT LEGISLATION	5
1.6. PREMISES STANDARD	5
1.7. ASSUMPTIONS	6
1.8. ACCESS REQUIREMENTS YET TO BE CONSIDERED	6
1.9. EQUITABLE EGRESS STRATEGY - NCC CLAUSES DP4 & DP6	6
1.10. ACCESSIBLE PATH OF TRAVEL.....	6
2. ENTRY FOYER.....	7
3. EXCLUSION FROM SCOPE OF WORKS.....	7
4. ACCESSIBLE PATH OF TRAVEL	8
5. WAYFINDING	8
6. FLOOR FINISHES	8
7. ACCESSIBLE SEATING – GENERAL.....	8
8. SEATING CHECKLIST	9
9. LIGHTING	10
10. WC FACILITIES.....	10
11. ACCESSIBLE WC	10
12. EXIT AND EMERGENCY SIGNAGE.....	11
13. CLOAKING FUNCTION	11
14. BOX OFFICE / TICKETING / INFORMATION.....	12
15. ACCESSIBLE COUNTERS – UTZON BAR.....	12
16. WARNING TACTILE GROUND SURFACE INDICATORS	14
17. HANDRAILS	14
18. EXTERNAL DOORS.....	14
19. ACCESS REPORT	15



ACCESS REPORT DEVELOPMENT APPLICATION



1. EXECUTIVE SUMMARY

1.1. Overview

This report is for the assessment of the Development Application documentation for the refurbishment of the Entry Foyer of the Sydney Opera House Renewal Project to assess compliance with the provisions of the Disability Discrimination Act 1992, the Disability (Access to Premises – Buildings) Standard and the National Construction Code together with the relevant Australian Standards.

The implementation of the proposed works associated with the Entry Foyers provides accessible access to work spaces and facilities for personal hygiene as nominated in the NCC Performance Requirement DP1.

The content in the report following demonstrates compliance with the statutory requirements of the Disability (Access to Premises – Buildings) Standard and provides a checklist of compliance for the architects when documenting these works. If the works are constructed in accordance with this proposal accessibility compliance will have been achieved.

1.2. PROJECTS

The projects covered by the Front of House redevelopment project as identified in the Accessibility Master Plan (AMP) prepared by Scott Carver.

1.3. NATIONAL CONSTRUCTION CODE – NON-COMPLIANCE

The following items noted at Table 1 have been identified by Group DLA as being non-compliant with the provisions of the National Construction Code and may require further review against the detail design, or may be able to be justified by way of an Alternative Design Solution.

Table 1 – Schedule of accessible issues to be addressed

NO	QUERY OR DTS NON-COMPLIANCE	SUGGESTED RESOLUTION	NCC CLAUSE	NCC PERFORMANCE REQUIREMENT
1.	Proposed handrails require further design considerations as it is understood that there may be designed to match the existing handrails	A justifiable alternative design solution may be required to be prepared	D3 .1, D3 .3	DP2

In order for iAccess Consultants to confirm the design for the Concert Hall complies with the provisions of the Disability (Access to Premises – Buildings) Standard the following items listed in Table 2 require further clarification and confirmation.

Table 2 Access to Premises

ITEM NO.	ITEM	COMMENT	NCC CLAUSE
1.	Principal Pedestrian Entrance	The DAP plan identifies several paths of travel to access the various elements of the Sydney Opera House. The overlap between the lead consultants requires monitoring to ensure that	



ACCESS REPORT DEVELOPMENT APPLICATION



		the continuous accessible path of travel can be achieved and maintained	
2.	Egress	National Construction Code Performance Requirements DP4 and DP6 require evacuation to be considered when addressing the egress provisions. A fire engineered solution is proposed to be undertaken. Details of the strategies have yet to be finalised.	DP4, DP6

1.4. CHIEF GUIDING DOCUMENTS

The access review has been limited to the works associated with the Entry Foyer Project.

iAccess Consultants has participated in the Lead Consultant project meetings.

The report prepared is based on a review of the documentation and the information provided by the client and is intended for their use only.

1.5. Current Legislation

- The legislation addressing accessibility is documented in the following Act, Code and Standards:
- Disability Discrimination Act 1992
- Disability (Access to Premises - Buildings) Standards 2010
- National Construction Code (NCC 2015)
- AS1428.1:2009 Design for access and mobility - General requirements for access - New building work
- AS1428.2:1992 Design for access and mobility - Enhanced and additional requirements - Buildings and facilities
- AS1428.4.1:2009 Design for access and mobility - Means to assist the orientation of people with vision impairment - Tactile ground surface indicators
- AS1428.5:2010 Design for access and mobility - Communication for people who are deaf or hearing impaired

1.6. Premises Standard

As of 1 May 2011 new buildings and existing buildings being refurbished have to comply with the Disability (Access to Premises – Building) Standards (“Premises Standards”) under the Commonwealth Disability Discrimination Act 1992.

The main requirement to come from the Premises Standard relates to the upgrading of the affected part, including the principal pedestrian entrance and the paths to the area of new works. The definition of affected part is limited to the area between (and including) the principal pedestrian entrance and the new work. This may include the requirement to upgrade the following existing areas:

- Entrances
- Accessible sanitary facilities.
- Lifts to upper storeys, either upgrade or provide lifts if they are not existing.
- Passing and turning spaces in corridors.

Various concession or relaxations do apply to certain items mentioned above.



ACCESS REPORT DEVELOPMENT APPLICATION



A consideration for upgrade via the Premises Standard is applicable to the following existing building situations:

- Where an application for a Construction Certificate (“CC”) or Complying Development Certificate (“CDC”) has been received and the applicant for the works is the building owner or building manager; or
- Where an application for a CC or CDC has been received and the building is leased & occupied by a single tenant; or
- The works as deemed Crown development.

1.7. Assumptions

It has been assumed that accessible access has been provided along a continuous accessible path of travel identified as part of the Accessibility Master Plan to the respective areas noted in this review report.

No comment is provided on the accessible path of travel.

1.8. Access requirements yet to be considered

The following access requirements have yet to be considered by the project team:

- handrail designs
- handrail locations
- balustrade designs
- tactile ground surface indicators (TGSIs)
- floor finishes
- nosing details to stairs
- lighting levels
- luminance contrast at doorways
- door hardware
- Braille tactile signage
- evacuation policy in conjunction with the fire engineered solution
- Lighting to the stairs of the eastern and western foyers
- Interior design (Detail)

1.9. Equitable Egress Strategy - NCC Clauses DP4 & DP6

The strategies for equitable egress to address compliance with the provisions of NCC Clauses DP4 & DP6 are being developed by ARUP.

For the purposes of our access assessment we have relied upon the Equitable Emergency Egress Report and the conclusions noted prepared by ARUP.

1.10. Accessible path of Travel

The provision of external accessible paths of travel are achieved as follows:

- Pedestrian accessible paths of travel are provided along the upper and lower concourses from the roundabout at the boundary with Macquarie Street.
- Authorised Vehicle and taxis access is provided from the boundary with Macquarie Street to the designated Principal Pedestrian Entrance,
- The Principal Pedestrian Entrance is located at the area identified as “Under the stairs” from which there are paths of travel to the respective lobbies, theatres, foyers and other facilities of the Sydney Opera House

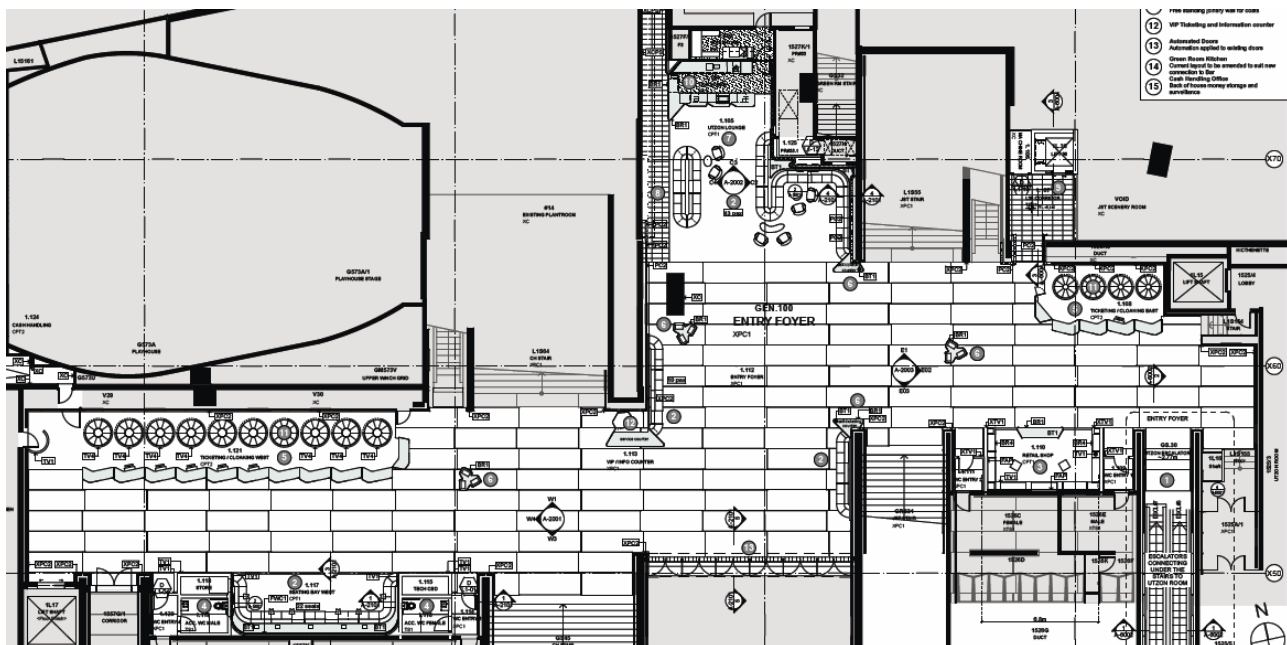
Accessible paths of travel within the Sydney Opera House are identified in the Accessibility Master Plan.

2. ENTRY FOYER

The area of the entry foyer is identified by the toned area in the plan below.

The main access related issues relate to the following issues:

- Access from the concourse under the stairs to the foyer
- Access to ticketing and ticketing office
- Access to WC facilities
- Access to concessions located in the Foyer
- Access to cloaking facilities
- Access to vertical transport to access the southern foyers
- Wayfinding and signage
- Lighting levels



3. EXCLUSION FROM SCOPE OF WORKS

The scope of these works is defined by the figure above. The following areas are specifically excluded from the scope and consideration of this report:

- GS45 connecting to the area under the stairs
- GRS31 connecting to the area under the stairs
- L1S64 connecting the Foyer with the Southern Foyer of the Concert Hall
- The escalators connecting to the Southern Foyers of the Concert Hall and the Joan Sutherland Theatre
- L1S155 & L1S154 stairs to the Utzon Room



ACCESS REPORT DEVELOPMENT APPLICATION



4. ACCESSIBLE PATH OF TRAVEL

The proposed accessible paths of travel to access the Concert Hall and the Joan Sutherland Theatre have been defined.

Access from the Principal Pedestrian Entry to the Foyer is via Lift 17. Accessible access from the Foyer to The Concert Hall is via Lift 01 and from the Foyer to The Joan Sutherland Theatre via Lifts 16 and 2E.

5. WAYFINDING

An appropriate wayfinding system to navigate the foyer zones will need to be developed. The resultant solution may include audio as well as braille tactile information.

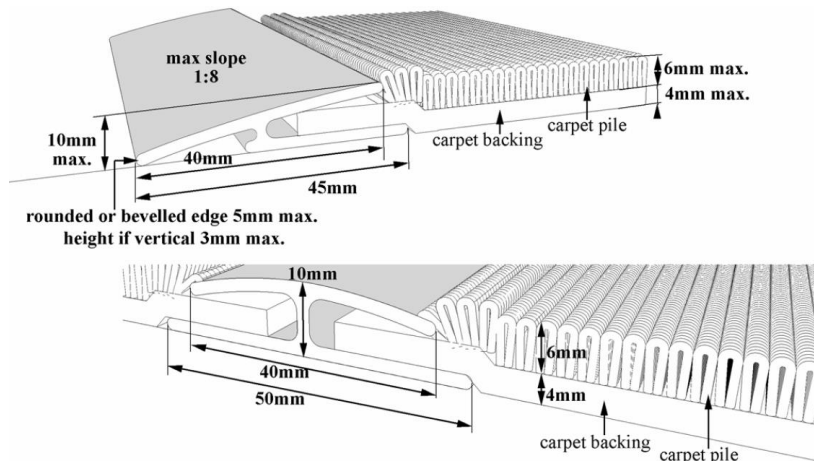
Wayfinding details have yet to be developed.

6. FLOOR FINISHES

It is intended that the existing floor finishes in the Foyer are to be retained.

The area occupied by the proposed new Utzon Lounge has been developed from the relocated box office function. The floor finish will need to be non-slip.

The placement of any rugs or carpets within the foyer zone will need to satisfy the requirements of Clause 7 of AS1428.1:2009.



7. ACCESSIBLE SEATING – GENERAL

The plan indicates 3 seating areas which are located adjacent to the paths of travel.

The form of seating comprises the following types:

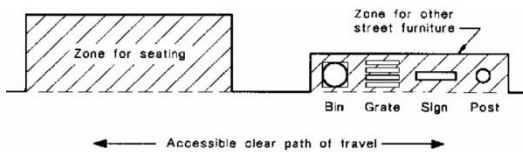
- Banquette seating
- Modular freestanding furniture, and
- individual seating.

The banquette seating will be custom joinery. It is recommended that the custom joinery incorporate the accessibility dimensions identified at Clause 27 of AS1428.2:1992 – Street Furniture to provide accesses to accessible seating for as many people as possible.

The selection of the modular and individual seating type has yet to be finalised.



ACCESS REPORT DEVELOPMENT APPLICATION



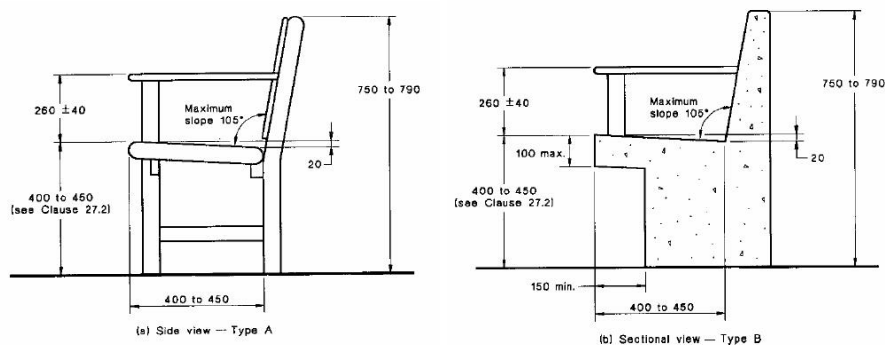
NOTE: There should be no projections into the accessible path of travel.

DIMENSIONS IN MILLIMETRES

FIGURE 31 EXAMPLE OF POSITION OF STREET FURNITURE

Seating zones outside of the path of travel should be provided for wheelchair users waiting to enter the various theatres. Companion seating should be provided adjacent to these wheelchair zones.

The detailing of accessible seating is to include for the provision of arms to some of the chairs. The following extract from the Standard provides some guidance as to the relationships of chair arms to the seat.



8. SEATING CHECKLIST

CRITERION TO BE SATISFIED	BANQUETTE SEATING	MODULAR SEATING	INDIVIDUAL SEATING
Seats shall be a minimum of 500 mm away from the path of travel			
Objects shall be of a colour which provides a contrast with their background and have a luminance factor of not less than 0.3 (30%).			
Seat height to be 400-450mm			
Availability of some seating with a seat height of 530mm for the elderly			
The front of the seat shall have a clear space between any legs at ground level to within 150 mm of the front edge of the seat, and to within 100 mm of the seat height to allow for rearward adjustment of feet when rising			
The front edge of the seat shall have a minimum radius of 30 mm.			
No edge or projection shall have a radius of less than 5 mm unless protected from contact with the user			



ACCESS REPORT DEVELOPMENT APPLICATION



CRITERION TO BE SATISFIED	BANQUETTE SEATING	MODULAR SEATING	INDIVIDUAL SEATING
Where armrests are provided, the top surface of the armrests shall be at a height of 260 ±40 mm above the seat.			

9. LIGHTING

The following minimum lighting levels will need to be achieved to satisfy the requirements of AS1428.2:1992:

- Passageways and walkways 150lx
- Stairs 150lx
- Countertops 250 lx
- General Displays 200-300lx

10. WC FACILITIES

Male and female WC facilities are provided on the eastern side of the Entry Foyer.

NCC Clause F2.4(c) requires that ambulant facilities be provided at each bank of WC facilities. In this instance the ambulant WC facility is proposed to be satisfied by the inclusion of a fold down grabrail installed within the accessible WC facilities located on the western side of the Foyer.

Braille Tactile signage will need to be provided to each entry door to the male and female WC facilities providing directions to the accessible WC facilities provided on the western side of the Foyer.

11. ACCESSIBLE WC

Male and female WC facilities are located opposite the cloaking desk on the eastern side of the Entry Foyer. Separate male and female accessible WC facilities are located in a different location opposite the ticketing desk located on the western side of the Entry Foyer.

The detailing of the accessible WCs will need to satisfy the provisions of Clause 15 of AS1428.1:2009. An accessible WC checklist indicating the requirements to be satisfied is appended to this report.

If a baby change table is to be installed within the accessible WC facilities it will be essential that the change table be located outside of the WC Pan circulation zone.

The bank of males and female WC facilities on the eastern side of the Entry Foyer does not make provision for ambulant facilities in accordance with the provisions of NCC Clause F2.4(c) and Clause 16 of AS1428.1:2009. It is proposed that a fold down grabrail be incorporated into the male and female accessible WC facilities. *A Performance Statement has been prepared to address this approach*

The circulation at doorways to the accessible WC will need to satisfy the provisions of Clause 13 of AS1428.1:2009.

Specific attention is directed to the door hardware. Details of the door hardware have yet to be provided.

If door closers are required to be provided to the doors to the accessible WC then the maximum force required to operate the door must not be greater than 20N. If this cannot be achieved, then door assist devices will need to be installed on the doors.



ACCESS REPORT DEVELOPMENT APPLICATION



Braille tactile signage will be required to be installed on the latchside wall in accordance with the requirements of NCC Clause D3.6 and NCC Specification D3.6. The images following provide an example of the type of signage to be provided.



The lighting level with the Accessible WC facility will need to achieve a minimum 200 lx in accordance with Clause 19 of AS1428.2:1992.

The selection of floor finishes within the WC facilities will need to achieve a slip resistance of P3/R10.

As these Accessible WC facilities are not collocated with the male and female WC facilities it will be necessary to provide braille tactile signage at the bank of WC facilities providing direction to the nearest Accessible WC facility.

12. EXIT AND EMERGENCY SIGNAGE

NCC Clause D3.6(a)(ii) requires egress Braille Tactile Signage to be provided in locations where NCC Clause E4.5 requires maintained exist signage to be provided. Examples of the type of signage to be provided follow. The nomination of the placement of these types of sign has yet to be finalised.

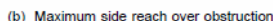


13. CLOAKING FUNCTION

The plan proposes cloaking areas on each side of the Entry Foyer.

Accessible access is not provided for employees assigned to this activity as the function could pose a safety risk for persons with a disability. (NCC Clause D3.4 Exemption)

Accessible access is provided on the patron side of the cloaking desk. The detail of the cloaking desk has yet to be finalised. The preliminary designs adopt the side on approach to the counter identified at Clause 22 of AS1428.2:1992.





ACCESS REPORT DEVELOPMENT APPLICATION



The detailing of these counters will need to incorporate an accessible location which satisfies the intent of the provisions of Clause 24 of AS1428.2:1992.

The extracts following from the Standard indicate the requirements to be satisfied in the counter designs.

24 FURNITURE AND FITMENTS

24.1 Tables, counters and worktops

NOTES:

- 1 No individual table, counter or worktop height and clearance beneath will suit all users with disabilities. A bench with easily adjustable height within the range of 700 mm to 850 mm from the finished floor is preferred.
- 2 Some users will be unable to use a bench unless it is at the correct height.

24.1.1 Height of unit where a single table, counter or worktop only can be provided Where a single unit only is provided, the height to the top of the unit and the height beneath the unit shall be as follows:

- (a) Height from the finished floor to the top of the unit: 850 ± 20 mm.
- (b) Height of clearance beneath the unit from the finished floor: 820 ± 20 mm.

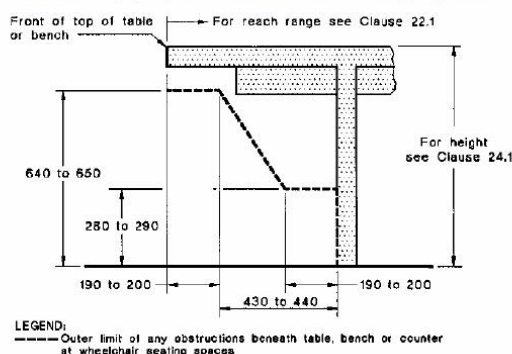
24.1.2 Height of unit where two tables, counters or worktops can be provided Where two units are provided, the height to the top of each unit and clearance beneath each unit shall be as follows:

- (a) Height from the finished floor to the top of the unit:
 - (i) 1st unit: 750 ± 20 mm.
 - (ii) 2nd unit: 850 ± 20 mm.
- (b) Height of clearance beneath unit, from the finished floor:
 - (i) 1st unit: 730 ± 20 mm.
 - (ii) 2nd unit: 820 ± 20 mm.

24.1.3 Width of seating spaces In order to provide a wheelchair seating space, the minimum clearance width between the legs or other fixtures beneath a table, counter or worktop on at least one accessible face of the unit shall be 800 mm.

24.1.4 Knee and foot clearance A minimum clearance beneath the table, counter or worktop at wheelchair seating spaces shall be maintained as shown in Figure 25.

NOTE: Pedestal tables and tables with splayed legs are not recommended. Tables with corner legs are preferred.



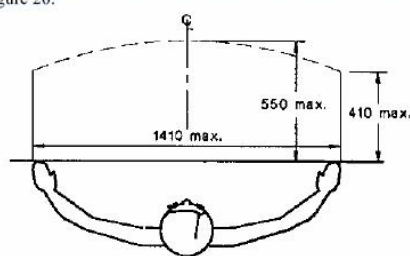
NOTE: For width of seating spaces see Clause 24.1.3.

DIMENSIONS IN MILLIMETRES

FIGURE 25 KNEE AND FOOT CLEARANCE BENEATH A TABLE, BENCH OR COUNTER

24.1.5 Length of top of counter Where a counter is provided for general use, a length of the counter of not less than 900 mm shall be provided which is in accordance with this Clause (24). A clear floor space in front of this part of the counter shall be provided in accordance with Clause 6.3.

24.1.6 Length and depth requirements for worktops Dimensions for worktops shall be calculated on the maximum horizontal reach shown in Figure 26.



DIMENSIONS IN MILLIMETRES

FIGURE 26 MAXIMUM HORIZONTAL REACH TO OBJECTS ON TABLE OR BENCHTOP



ACCESS REPORT DEVELOPMENT APPLICATION



16. WARNING TACTILE GROUND SURFACE INDICATORS

Stairs and escalators connect to the Foyer. The Standard requires that TGSIs be installed at these locations.

The approach to the satisfy this requirement continues to be investigated.

17. HANDRAILS

The approach to the detailing of handrails to the stairs located within the Foyer zone is undertaking further review.

The approach to the satisfy this requirement continues to be investigated.

18. EXTERNAL DOORS

The existing doors to the external podium are proposed to be retained.

While the path of accessible access does not include the Grand Staircase accessible access is required to be provided to the podium.

The operation of the doors is to have the doors open in peak traffic times however in off peak times the doors are closed.

The minimum clear width of the active leaf in double door installations is to 850mm.

NCC Clause D3.2(c)(ii) requires that not less than 50% of the doors in this arrangement be accessible.

The doors in this installation will be framed glass. The provisions of Clause 6.6 of AS1428.1:2009 Visual indicators on Glazing will need to be satisfied. (extract Follows)

6.6 Visual indicators on glazing

Where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights, including any glazing capable of being mistaken for a doorway or opening, shall be clearly marked for their full width with a solid and non-transparent contrasting line. The contrasting line shall be not less than 75 mm wide and shall extend across the full width of the glazing panel. The lower edge of the contrasting line shall be located between 900 mm and 1000 mm above the plane of the finished floor level.

Any contrasting line on the glazing shall provide a minimum of 30% luminance contrast when viewed against the floor surface or surfaces within 2 m of the glazing on the opposite side.

19. ACCESS REPORT

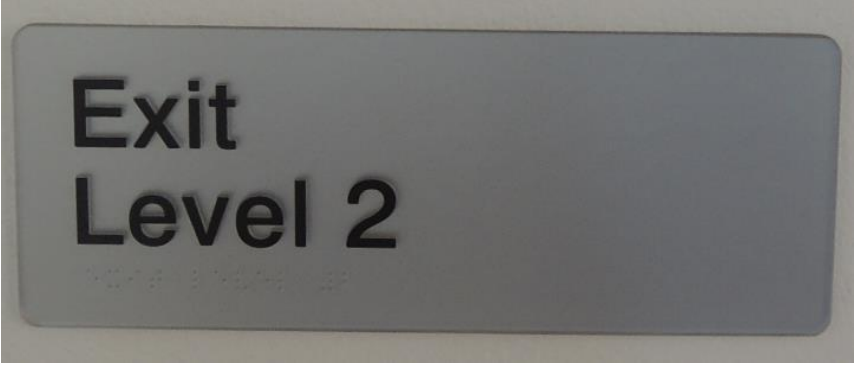
PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT
A4.1	Classifications Class 9b — an assembly building,	Note
DP1	Performance requirement Access must be provided, to the degree necessary, to enable: a) people to: i. approach the building from the road boundary and from any <i>accessible</i> carparking spaces associated with the building; and	Satisfied
	ii. approach the building from any accessible associated building; and	Not Applicable
	iii. access work and public spaces, accommodation and facilities for personal hygiene; and	Satisfied
	b) Identification of accessways at appropriate locations which are easy to find.	Not Applicable
DP4	Performance requirement <i>Exits</i> must be provided from a building to allow occupants to evacuate safely, with their number, location and dimensions being appropriate to: a) the travel distance; and b) the number, mobility and other characteristics of occupants; and c) the function or use of the building; and d) the height of the building; and e) Whether the <i>exit</i> is from above or below ground level.	Satisfied

PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT
DP6	Performance requirement So that occupants can safely evacuate the building, <i>accessways to exits</i> must have dimensions appropriate to: a) the number, mobility and other characteristics of occupants; and b) the function or use of the building.	Satisfied
DP8	Performance requirement Carparking spaces for use by people with a disability must be: a) provided, to the degree necessary, to give equitable access for carparking; and b) designated and easy to find.	Not Applicable
DP9	Performance requirement An inbuilt communication system for entry, information, entertainment, or for the provision of a service, must be suitable for occupants who are deaf or hearing impaired.	Satisfied
D3.1	General Building Access Requirements Class 5	
Table D3.1	Assembly Building To and within all areas normally used by the occupants	Satisfied
D3.2	Access to Buildings	
	(1) An <i>accessway</i> must be provided:	Satisfied
	(a) to a building <i>required to be accessible</i> ;	
	(b) from the main points of a pedestrian entry at the allotment boundary; and	Satisfied
	I. from another <i>accessible</i> building connected by a pedestrian link; and	Not Applicable
	II. from any required accessible carparking space on the allotment.	Not Applicable

PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT
	(2) In a building <i>required</i> to be <i>accessible</i>, an <i>accessway</i> must be provided through the principal pedestrian entrance, and: a. through not less than 50% of all pedestrian entrances including the principal pedestrian entrance; and b. in a building with a total <i>floor area</i> more than 500sqm, a pedestrian entrance which is not <i>accessible</i> must not be located more than 50 m from an <i>accessible</i> pedestrian entrance; Except for pedestrian entrances serving only areas exempted by clause D3.4.	Satisfied
D3.3	Parts of buildings to be accessible	
	In a building <i>required</i> to be <i>accessible</i>: a) every ramp and stairway, except for ramps and stairways in areas exempted by clause D3.4, must comply with:	
	i. for a ramp, except a fire-isolated ramp, clause 10 of AS 1428.1; and	Not Applicable
	ii. for a stairway, except a fire-isolated stairway, clause 11 of AS 1428.1;	Not Applicable
	iii. for a fire-isolated stairway, clause 11.1(f) and (g) of AS 1428.1;	Not Applicable
	b) every passenger lift must comply with clause E3.6;	Satisfied The SOH Renewal project introduces new lift 36 which connects the Entry Foyer with JST Southern Foyer

PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT
	c) accessways must have: i. passing spaces complying with AS 1428.1 at maximum 20 m intervals on those parts of an accessway where a direct line of sight is not available; and ii. turning spaces complying with AS 1428.1: A. within 2m of the end of accessways where it is not possible to continue travelling along the accessway; and B. at maximum 20 m intervals along the accessway;	Not Applicable
	d) an intersection of accessways satisfies the spatial requirements for a passing and turning space;	Satisfied
	e) a passing space may serve as a turning space;	Satisfied
	f) a ramp complying with AS 1428.1 or a passenger lift need not be provided to serve a storey or level other than the entrance storey in a Class 5, 6, 7b or 8 building- (i) containing not more than 3 storeys; and (ii) with a floor area for each storey, excluding the entrance storey, of not more than 200sqm.	Not Applicable
D3.5	Carparking	Not Applicable

PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT										
D3.6	Signage	The signage documentation has yet to be prepared. The detail of the Braille Tactile signage to be installed will need to be documented as part of the detailed documentation associated with the Construction Documentation phase / stage. The signage detailing will need to comply with the provisions of Clause D3.6 and Specification D3.6 of the BCA as well as Clauses 16.3 and 17 of AS1428.2 which addresses the size of the pictogram as well as the height of lettering. 16.3 Size of international symbols for access and deafness access The size of the international symbols for access and deafness access shall be not less than that given in Table 1. TABLE 1 SIZE OF INTERNATIONAL SYMBOLS FOR ACCESS AND DEAFNESS FOR VARYING VIEWING DISTANCES <table><tr><th>Required viewing distance m</th><th>Minimum size of symbol mm</th></tr><tr><td>≤7</td><td>≥ (60 x 60)</td></tr><tr><td>>7 ≤18</td><td>≥ (110 x 110)</td></tr><tr><td>>18</td><td>≥ (200 x 200)</td></tr><tr><td></td><td>≥ (450 x 450)</td></tr></table>	Required viewing distance m	Minimum size of symbol mm	≤7	≥ (60 x 60)	>7 ≤18	≥ (110 x 110)	>18	≥ (200 x 200)		≥ (450 x 450)
Required viewing distance m	Minimum size of symbol mm											
≤7	≥ (60 x 60)											
>7 ≤18	≥ (110 x 110)											
>18	≥ (200 x 200)											
	≥ (450 x 450)											

PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT
D3.6	Signage	Specific attention is directed to the requirements of Clause D3.6(a)(ii) of the BCA (ii) identify each door <i>required</i> by E4.5 to be provided with an <i>exit</i> sign and state— (A) "Exit"; and (B) "Level" followed by the floor level number; and The image below is an example of the type of Braille Tactile signage to be installed. 
D3.7	Hearing Augmentation	The plans at present do not indicate the locations where inbuilt amplification systems are to be installed. It is probable that a flexible portable hearing augmentation system will be most advantageous. It is recommended that a portable hearing augmentation policy be developed and that procedures be developed by the Opera House to address the management of this requirement.
D3.8	Tactile Indicators	Not Applicable as part of these works.

PART / CLAUSE	DISABILITY (ACCESS TO PREMISES) STANDARD 2010 CRITERIA TO BE SATISFIED	COMPLIANCE / ACTION / COMMENT
D3.12	Glazing on an accessway On an <i>accessway</i> , where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights and any glazing capable of being mistaken for a doorway or opening, must be clearly marked in accordance with Clause 6.6 of AS 1428.1.	Not Applicable as part of these works
Part D4	Braille & Tactile Signs	The detail of the Braille Tactile signage to be installed will need to be documented as part of the detailed documentation associated with the Construction Documentation phase / stage. The signage detailing will need to comply with the provisions of Clause D3.6 and Specification D3.6 of the BCA as well as Clauses 16.3 and 17 of AS1428.2 which addresses the size of the pictogram as well as the height of lettering.
Part E3	Lift Installation	Satisfied. The design introduces a new lift No 36 to connect the Entry Foyer with the JST Southern Foyer.
Part F2	Sanitary and other facilities	The plan proposes new accessible WC facilities to be located adjacent to the existing Male Female WC facilities located on the western site of the Entry Foyer level. The detailing of the accessible WC facilities will need to satisfy the requirements of Clause 15 of AS1428.1:2009. (refer to attached checklist). Braille Tactile signage satisfying the provisions of NCC Clause D3.6 and NCC Specification D3.6 will need to be provided.