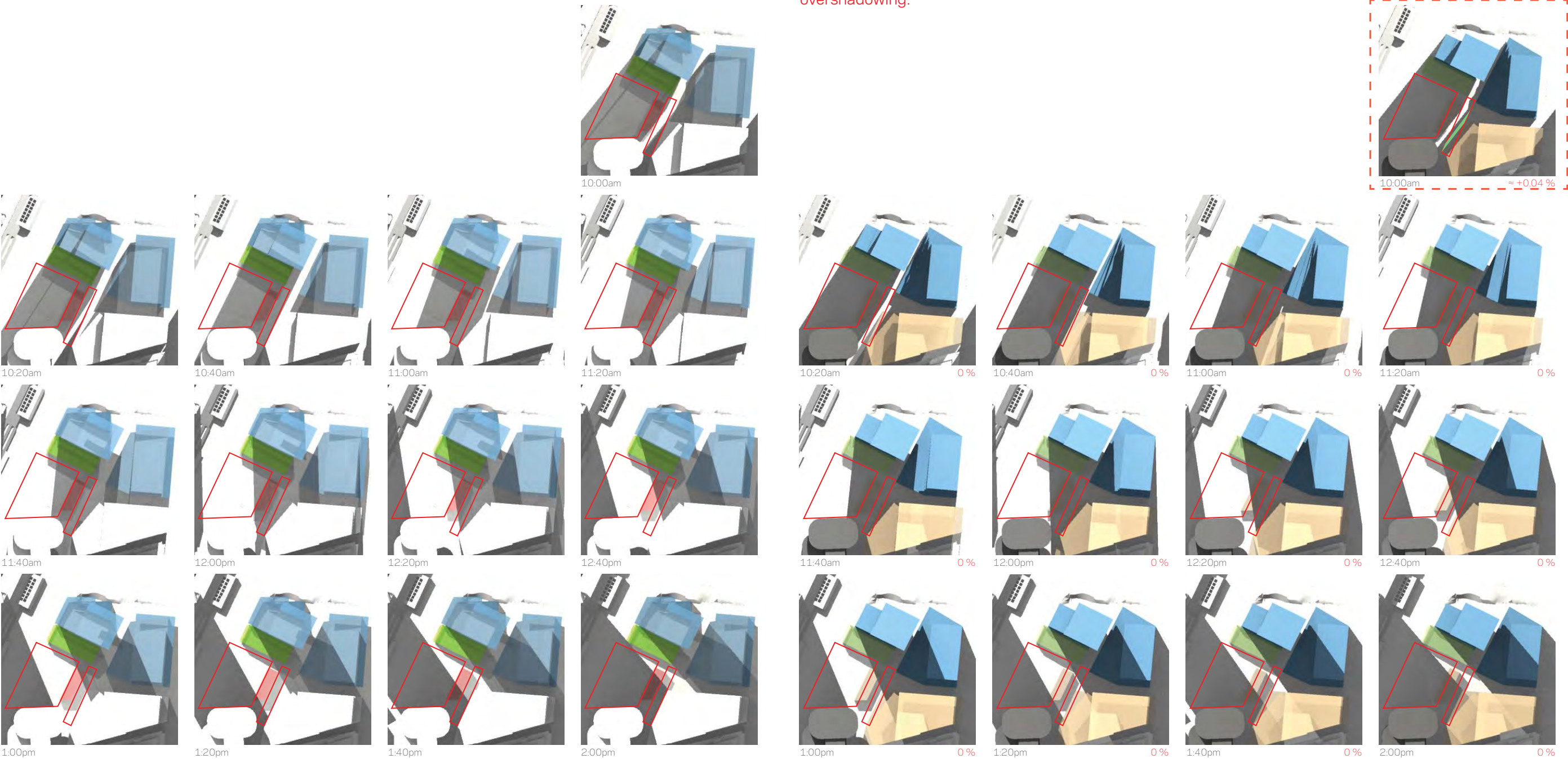# Shadow Analysis
Proposed George St Public Plaza

Approved Envelopes (Dec 15)
August 31
10am-2pm

Proposed
August 31
10am-2pm

Negligible additional
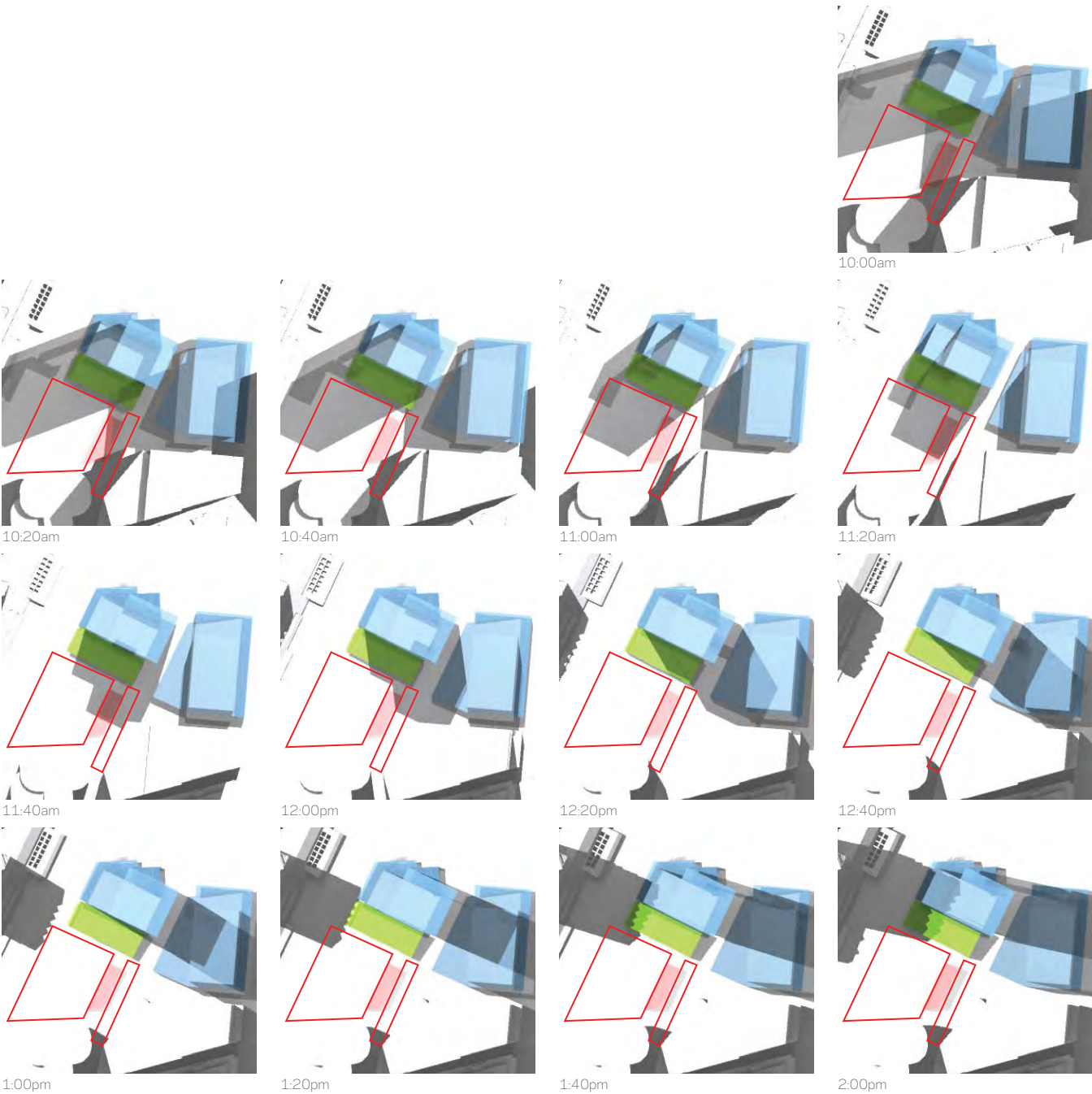overshadowing on
laneway at 10:00am.

A maximum of
0.04% increase in
overshadowing.

10:00am

10:00am   ≈ +0.04 %

10:20am

10:40am

11:00am

11:20am

10:20am   0 %

10:40am   0 %

11:00am   0 %

11:20am   0 %

11:40am

12:00pm

12:20pm

12:40pm

11:40am   0 %

12:00pm   0 %

12:20pm   0 %

12:40pm   0 %

1:00pm

1:20pm

1:40pm

2:00pm

1:00pm   0 %

1:20pm   0 %

1:40pm   0 %

2:00pm   0 %

Shadow Analysis
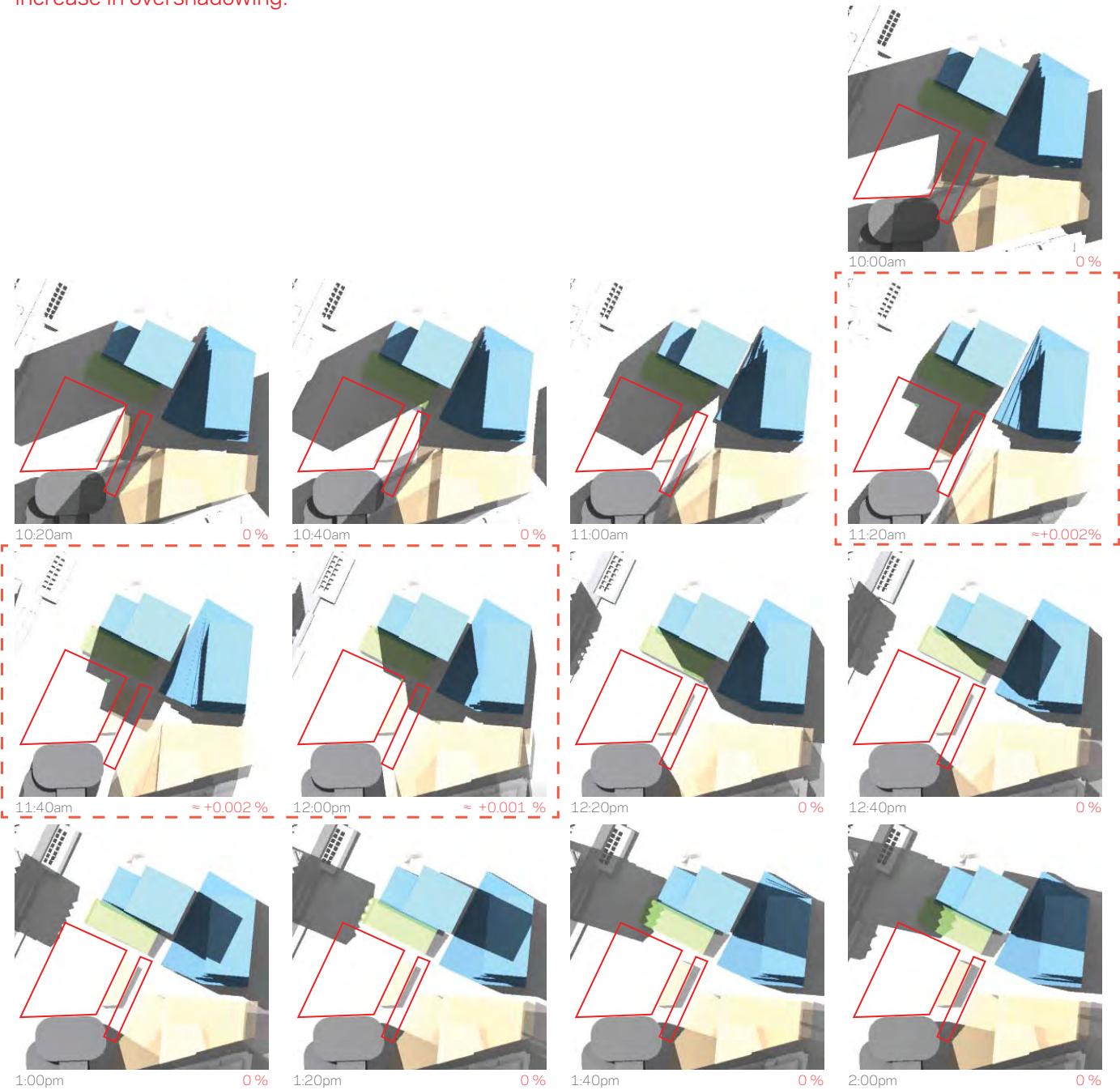## Proposed George St Public Plaza

Approved Envelopes (Dec 15)
December 21
10am-2pm

Proposed
December 21
10am-2pm

Negligible additional
overshadowing on Plaza
between 11:20am and
12:00pm.

A maximum of 0.002%
increase in overshadowing.

10:00am

10:20am

10:40am

11:00am

11:20am

11:40am

12:00pm

12:20pm

12:40pm

1:00pm

1:20pm

1:40pm

2:00pm

10:00am   0 %

10:20am   0 %

10:40am   0 %

11:00am

11:20am   ≈ +0.002%

11:40am   ≈ +0.002 %

12:00pm   ≈ +0.001 %

12:20pm   0 %

12:40pm   0 %

1:00pm   0 %

1:20pm   0 %

1:40pm   0 %

2:00pm   0 %

View Analysis
Visual Assessment Methodology

Methodology

The view analysis has been determined by our understanding of our site's physical constraints and future development on neighbouring sites. With frontages to three main streets - George Street, Pitt Street, and Alfred Street, and Rugby lane at the rear, our site will have a significant impact in the streetscape and skyline of Sydney's CBD.

Visual Catchment

The location of the viewpoints were chosen to illustrate the likelihood impact of the development in different urban settings:
— A - City Skyline
— B - Public Open Spaces
— C - Key Streets

The chosen locations include:
Major streets adjacent to subject site (George Street),
— Prominent north / south street corridors looking towards the harbour (Pitt Street & george Street),
— Views from Sydney Icons (Opera Bar of Sydney Opera House, Cahill Walkway, and Sydney Harbour Bridge),
— Public Buildings (Art Gallery NSW) and Parks (Botanical Garden, Observatory Hill),
— Major transport interchanges (Overseas Passenger Terminal, Circular Quay Station).

Further to the above, the selection of the viewpoints were determined on the following principles:
— Proximity to the site
— Likelihood of impact
— Character and permanence

Camera setting

The photos were taken with a professional quality DSLR camera (Nikon D40) with a standard focal length 35mm. Each individual base image was taken using manual focus to accentuate the clarity of image and to ensure composition allowed a meaningful understanding of the context as observed by a potential viewer in the location of the photographer.

The views were generated at eye level views except on the views taken from the water (City Skyline). In these instances the height of the camera has been set so that the skyline is perceived as an elevation.

The city skyline studies were generated to illustrate the urban relationship the proposed massing envelope will have in relation to the Sydney cityscape. A key legend shown on the right outlines the origin location of each view analysis.
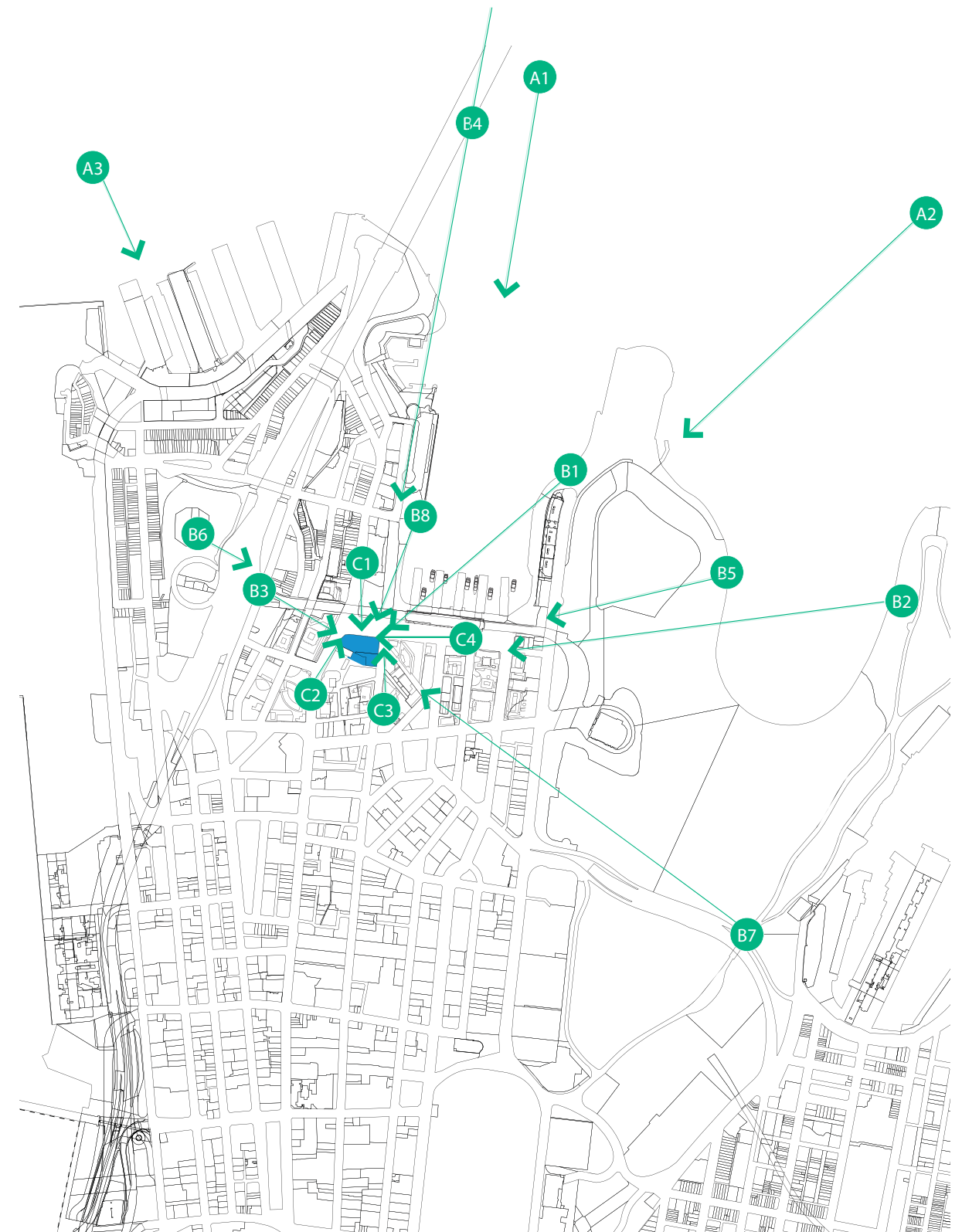
View Analysis
Visual Assessment Methodology

Background

The assessment makes a comparison between the currently approved massing envelope against the proposed minor height amendment.

Assessment Matrix

The Matrix below evaluates how each public viewpoint is rated against the main criteria experienced by a viewer in the public domain.

Views		Proximity			Character			Permanence			Likelihood of impact		
		Close	Medium	Far	Street View	Recreational/ Park	Public Realm/ Destination	Transient	Contemplation	Permanent	Negligible	Minor	Moderate
City Skyline	A1			☑						☑	☑		
	A2			☑						☑	☑		
	A3			☑						☑	☑		
Public Open Spaces	B1		☑				☑	☑			☑		
	B2			☑			☑			☑	☑		
	B3		☑				☑		☑		☑		
	B4			☑			☑	☑			☑		
	B5			☑			☑		☑		☑		
	B6	☑					☑		☑		☑		
	B7			☑		☑				☑	☑		
	B8	☑				☑				☑	☑		
Key Streets	C1	☑			☑			☑			☑		
	C2	☑			☑			☑			☑		
	C3	☑			☑			☑			☑		
	C4	☑			☑			☑			☑		