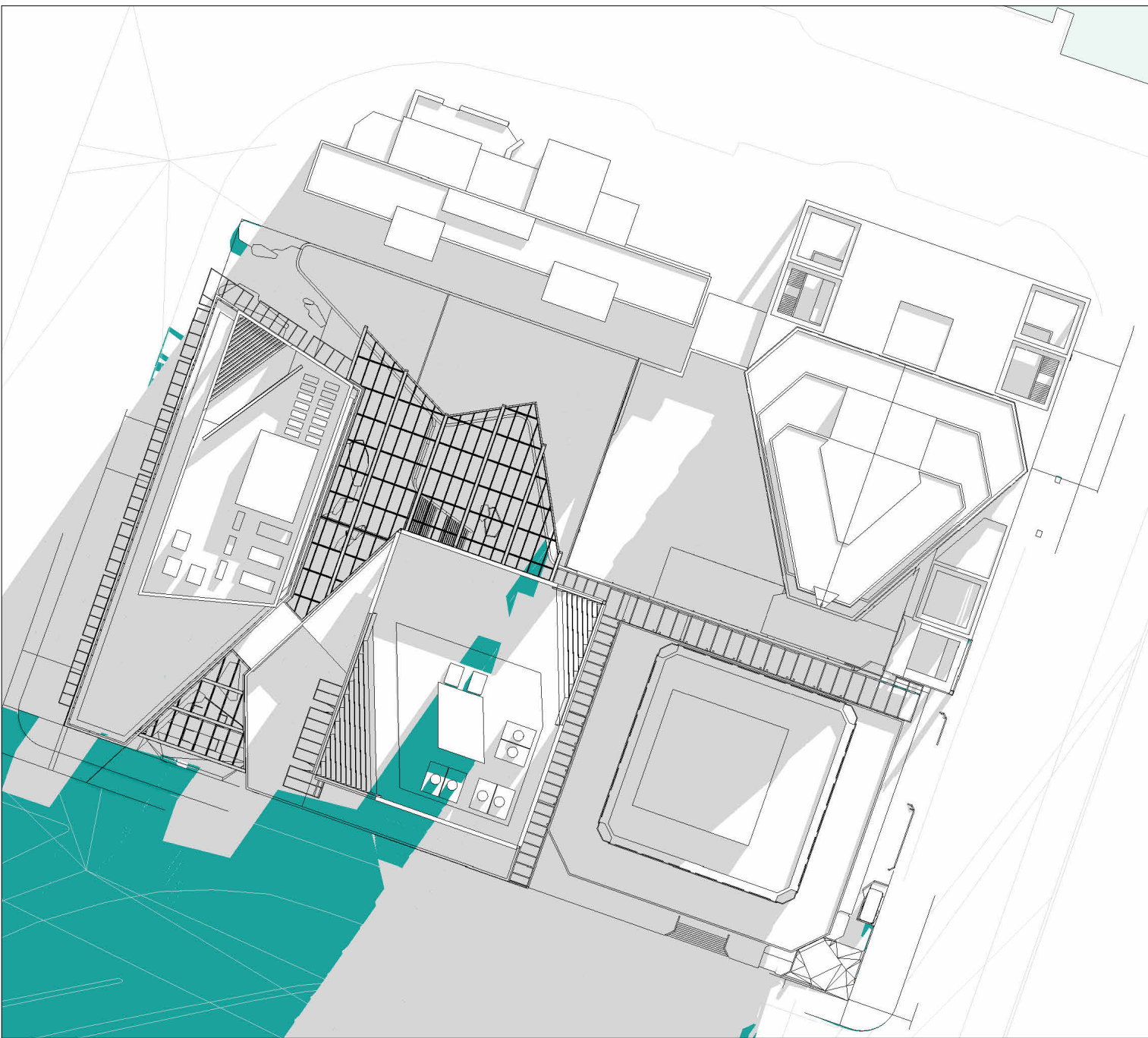
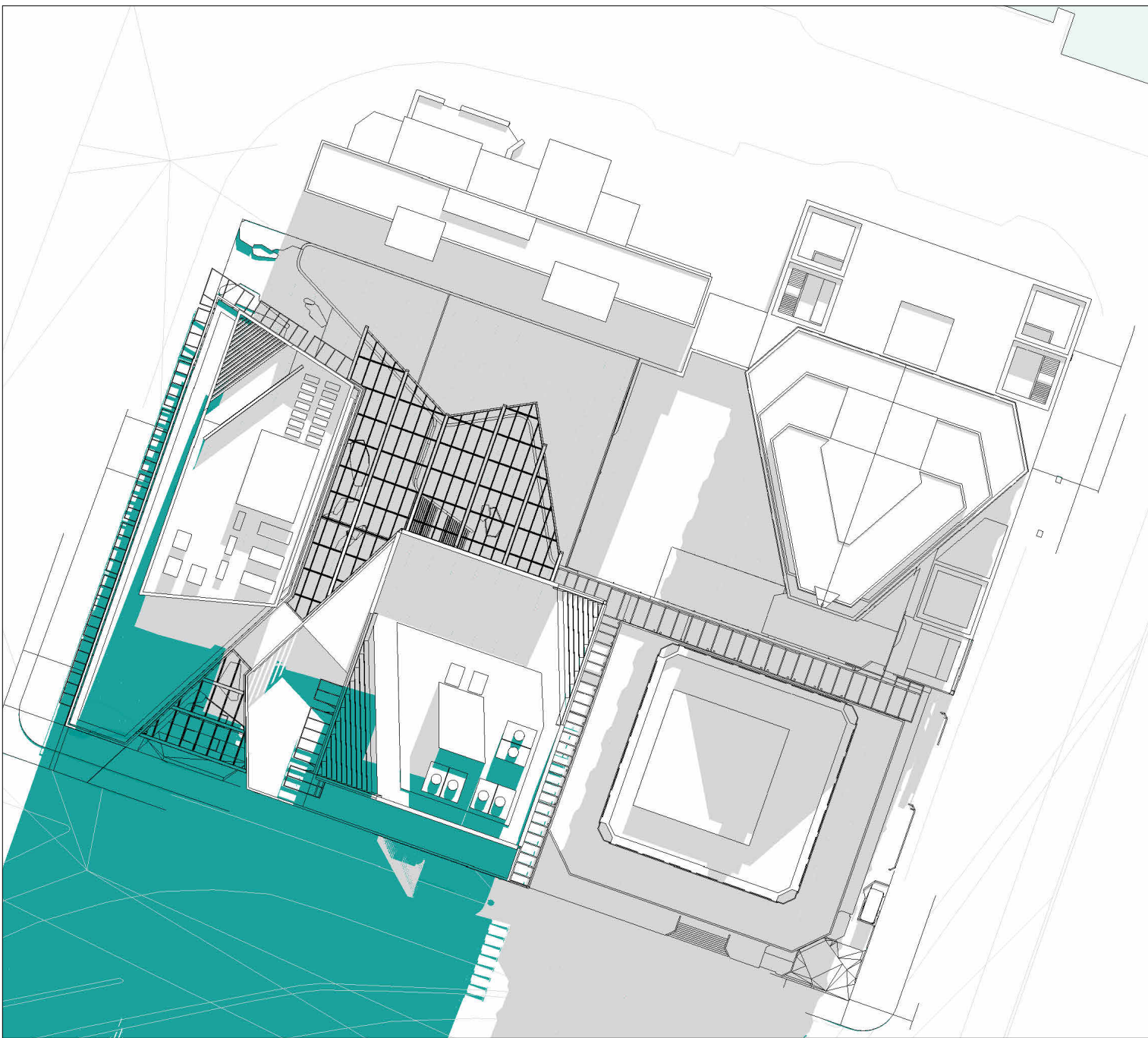
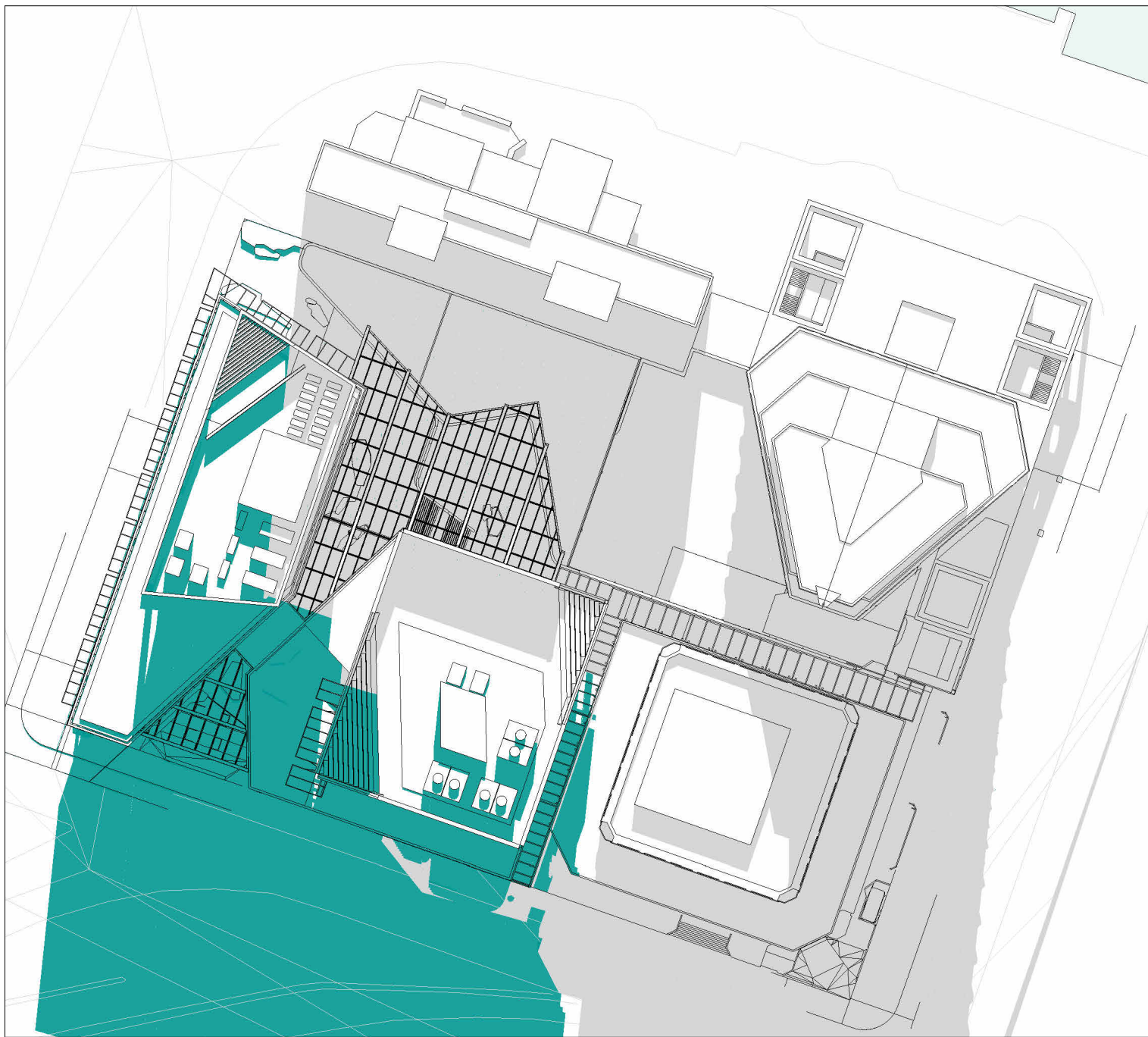




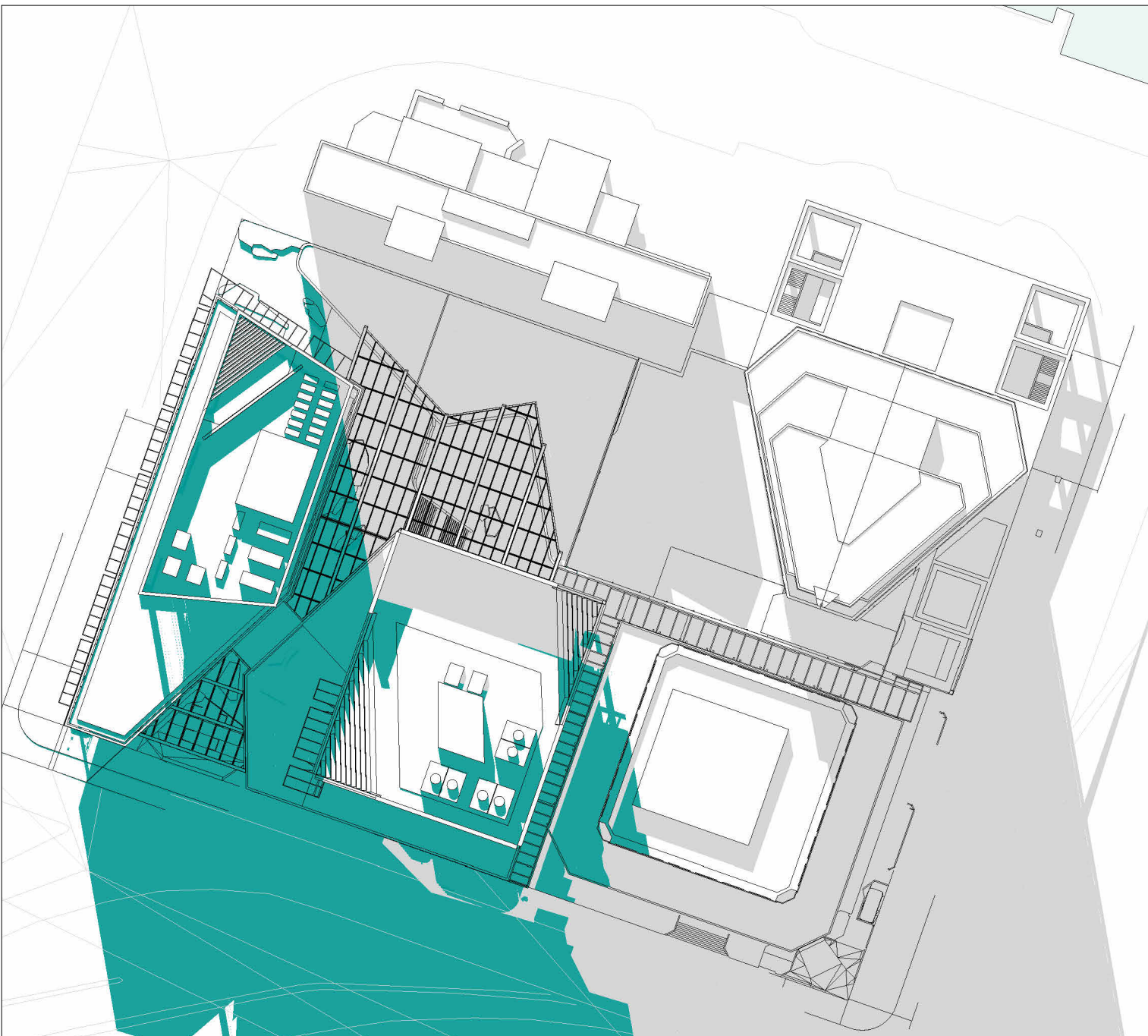
Jun 21 - 10_00 AM



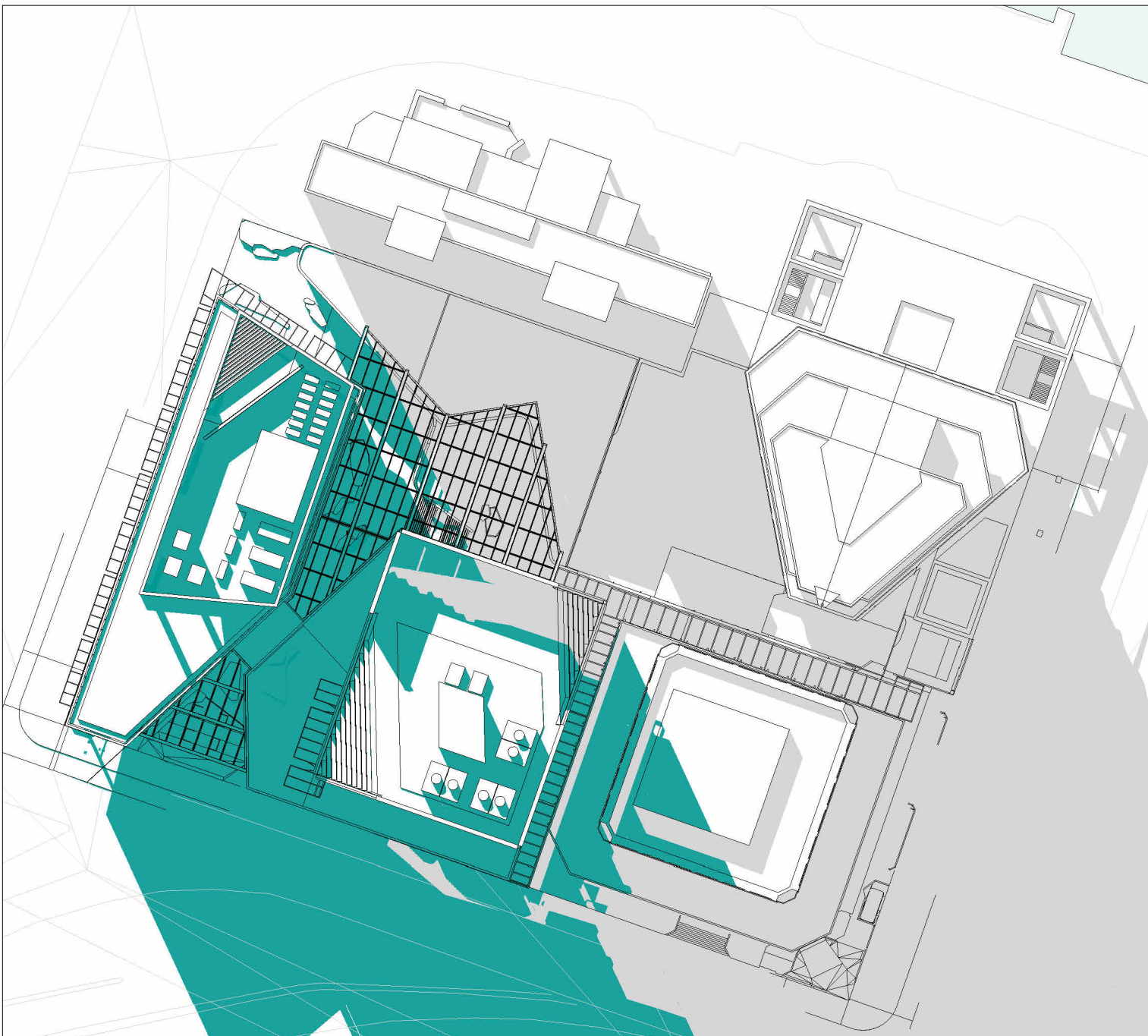
Jun 21 - 11_00 AM



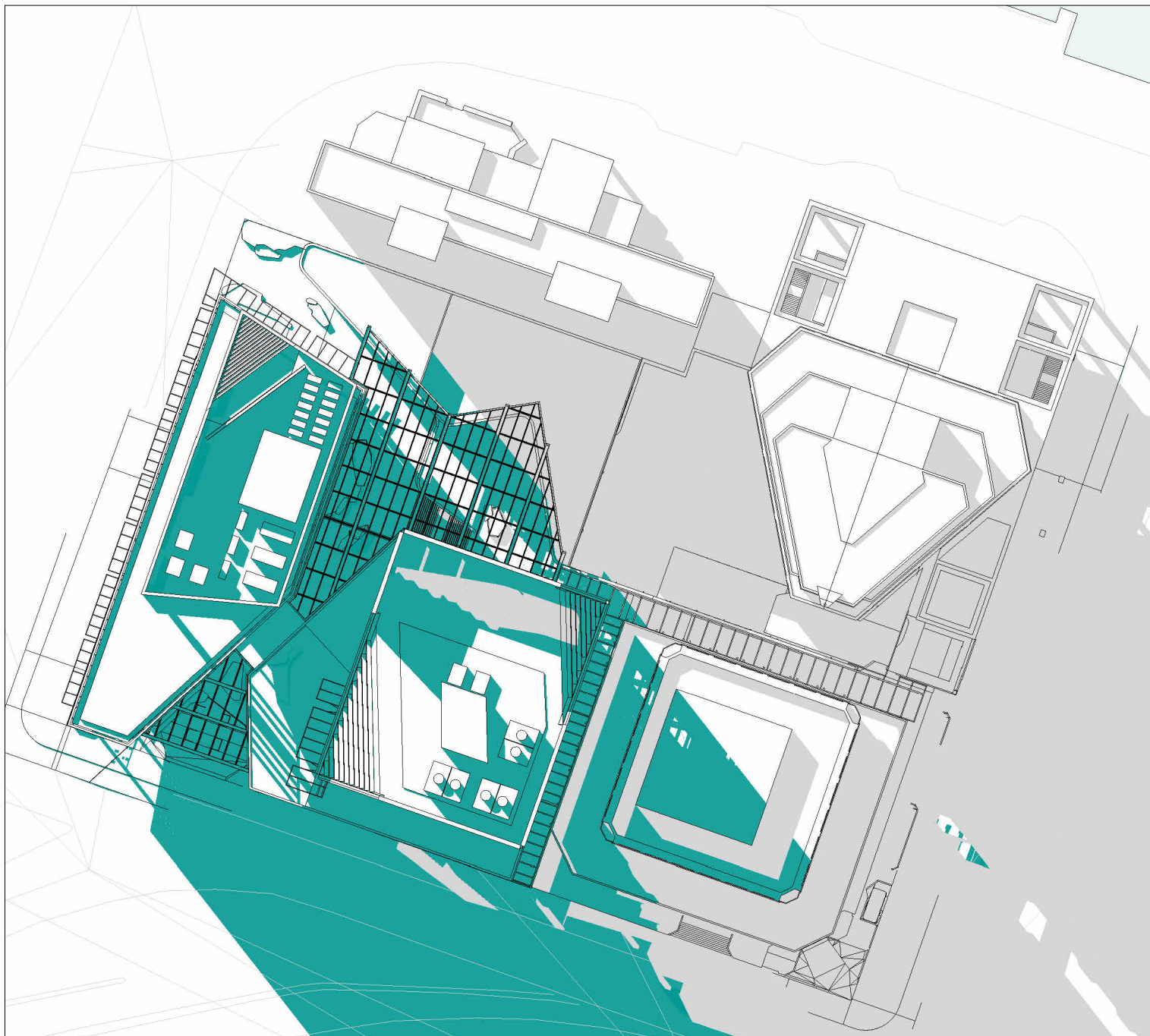
Jun 21 - 12_00 PM



Jun 21 - 01_00 PM



Jun 21 - 02_00 PM



Jun 21 - 03_00 PM

All dimension to be verified on site before producing shop drawings or commencing any work. Do not scale. The copyright of this drawing remains with Warren and Mahoney Architects New Zealand Ltd.

Revisions

A 05/09/25 Draft FTA Issue
B 26/09/25 FTA Issue
C 03/10/25 FTA Issue
D 17/10/25 FTA Issue

Notes

COMMERCIAL IN CONFIDENCE

SHADOWS CAST BY NEW DEVELOPMENT
SHADING GENERATED BY EXISTING OR APPROVED STRUCTURES

Consultants

RCP
Project Manager
RLB
Quantity Surveyor
HOLMES
Structural Engineer
NDY
Services Engineer
JENSEN HUGHES
Fire Engineer
TONKIN + TAYLOR
Civil Engineer
FLOW
Traffic Engineer
MOTT MAC DONALD
Facade Engineer

Client

Precinct

Warren and Mahoney Architects
New Zealand Ltd

Ground Floor, Mason Bros.
139 Pakenham Street West
Wynyard Quarter
Auckland 1010
New Zealand
Phone + 64 9 309 4894

Registered Architects and Designers
www.warrenandmahoney.com

Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM
SHADING ANALYSIS
WINTER SOLSTICE
JUN 21 - 1000-1500

Drawing Status

FTA ISSUE

Drawing Details

Scale 1 : 1 @ A1
Date 17/10/25
Job No 9234
Drawn WAM
Checked MM

Drawing No

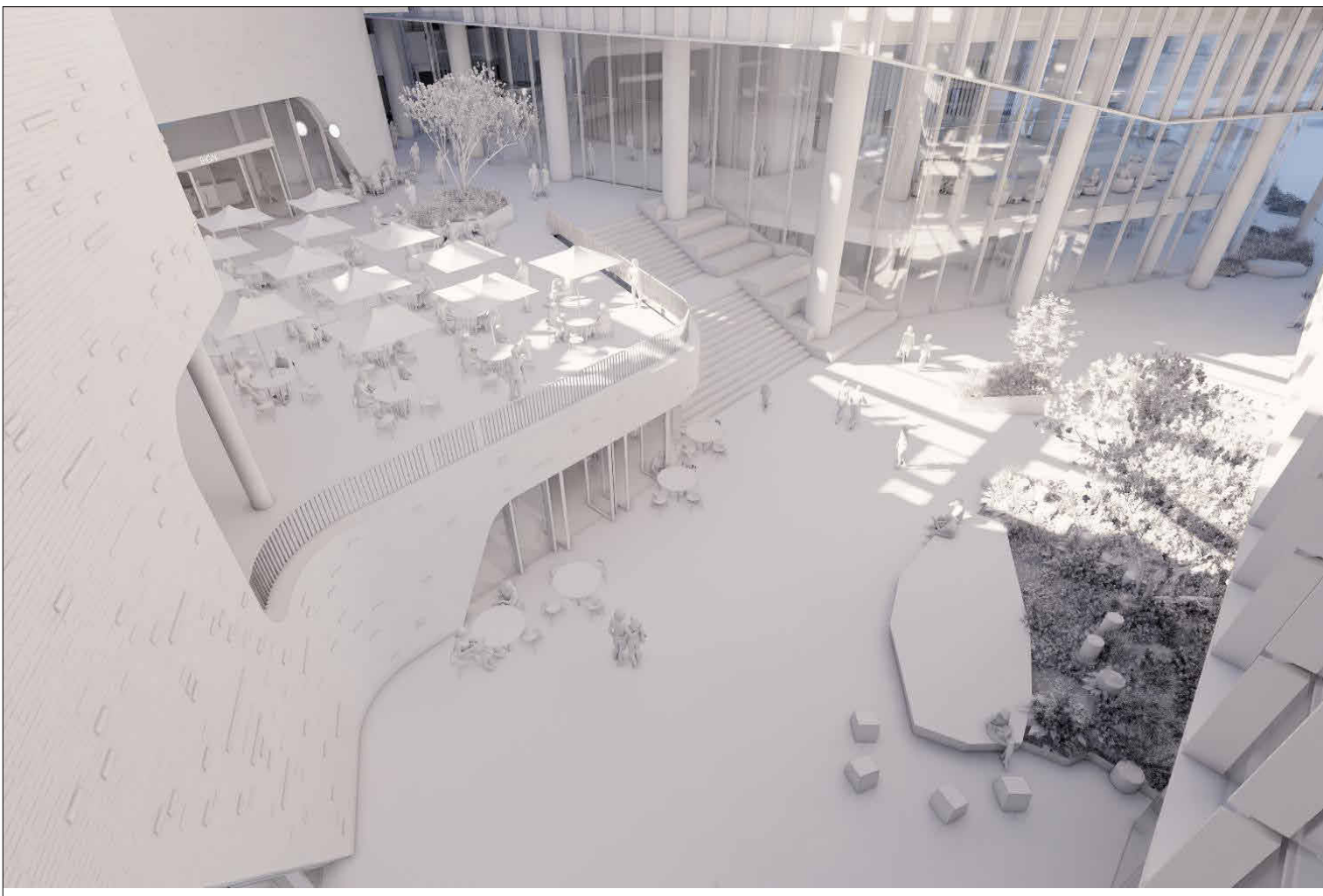
FTA-81-024

Revision

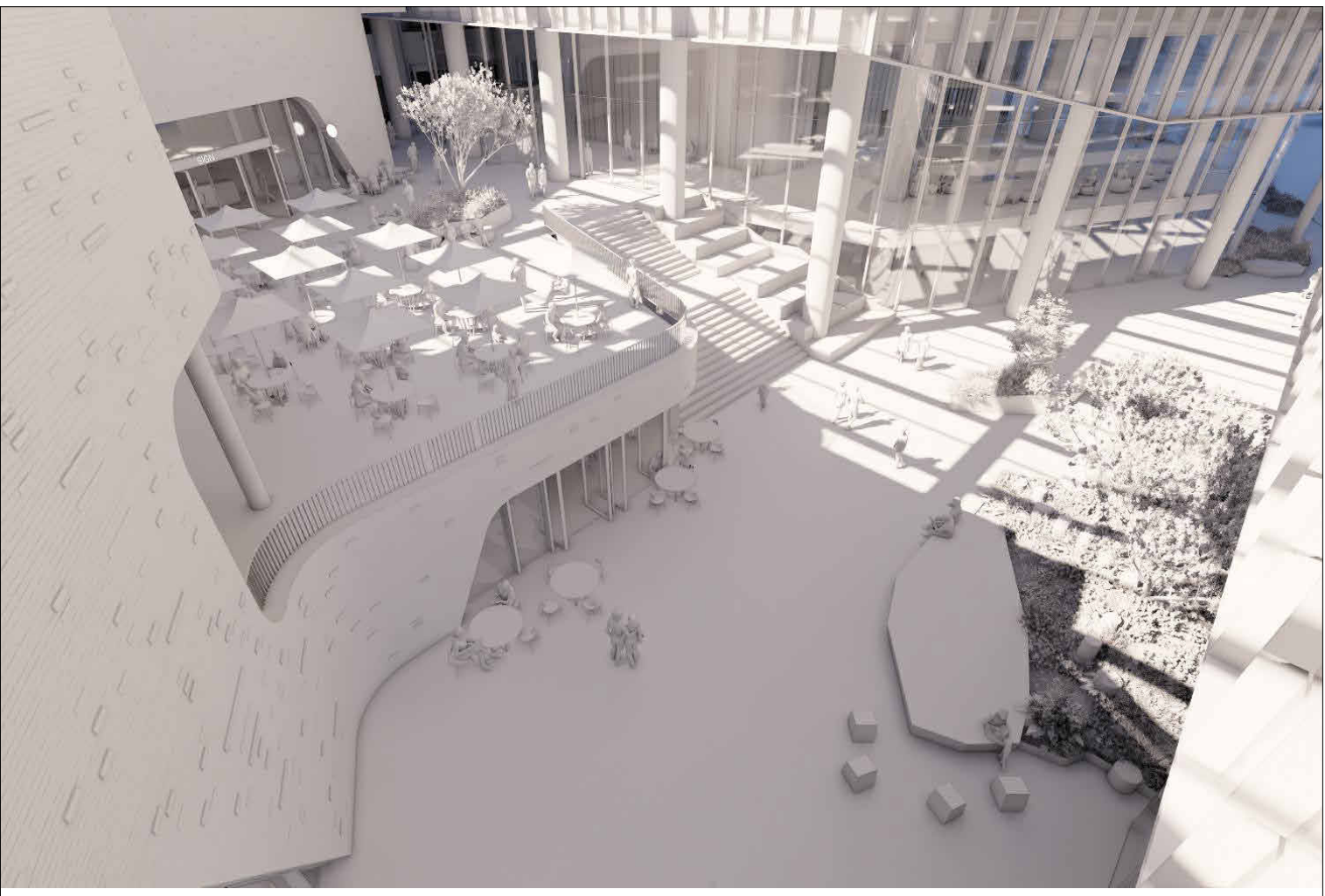
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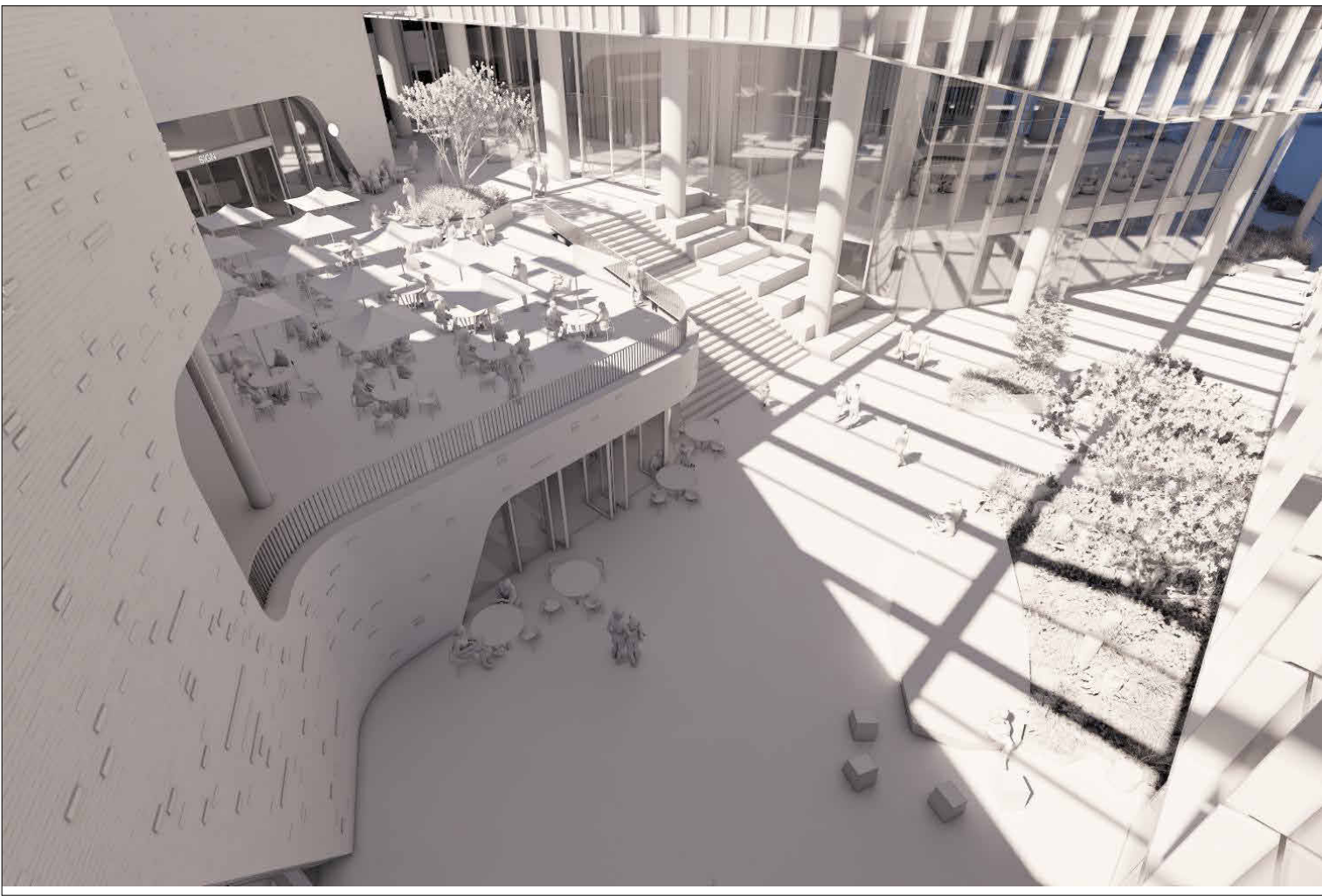
Sep 23 - 08_00 AM



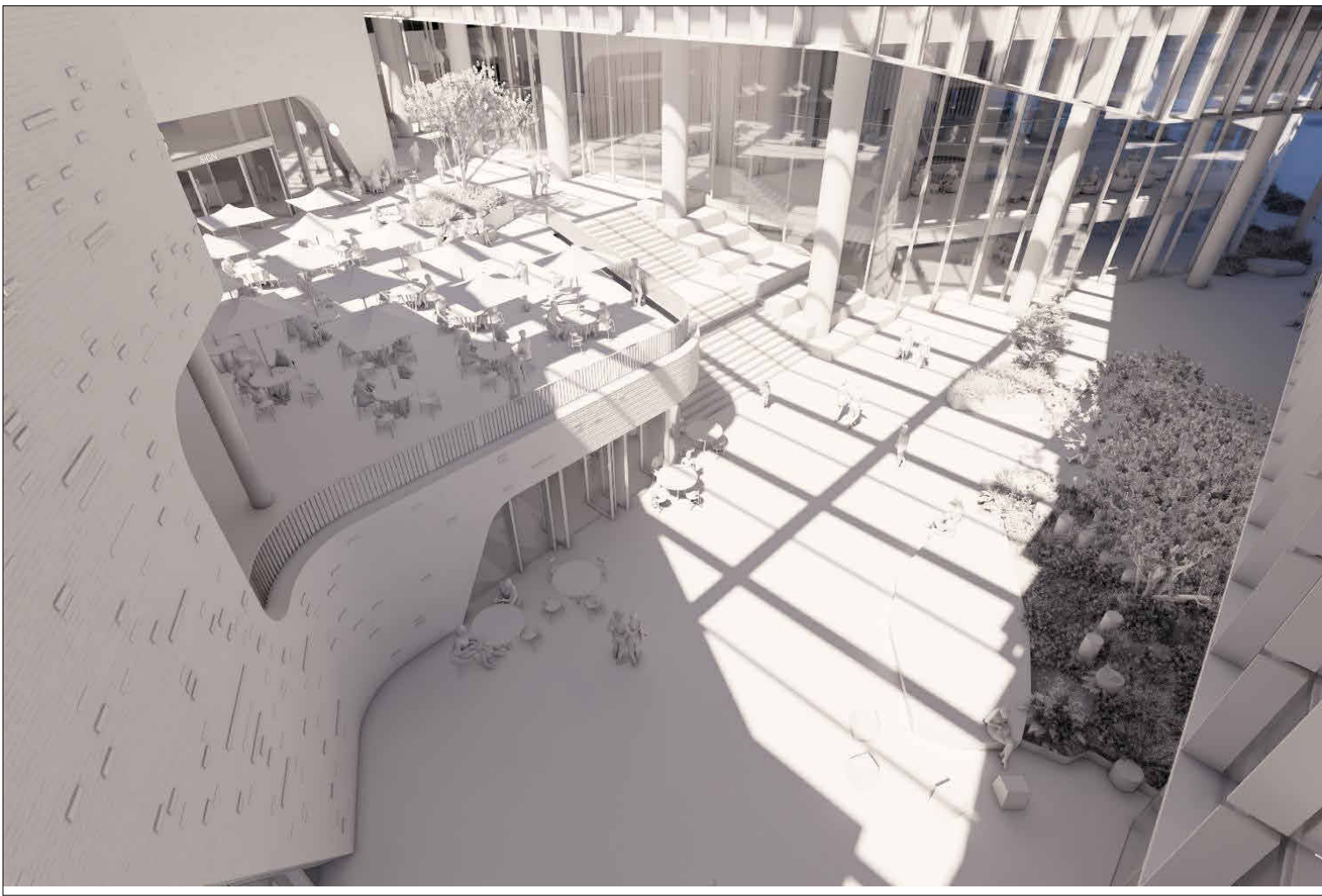
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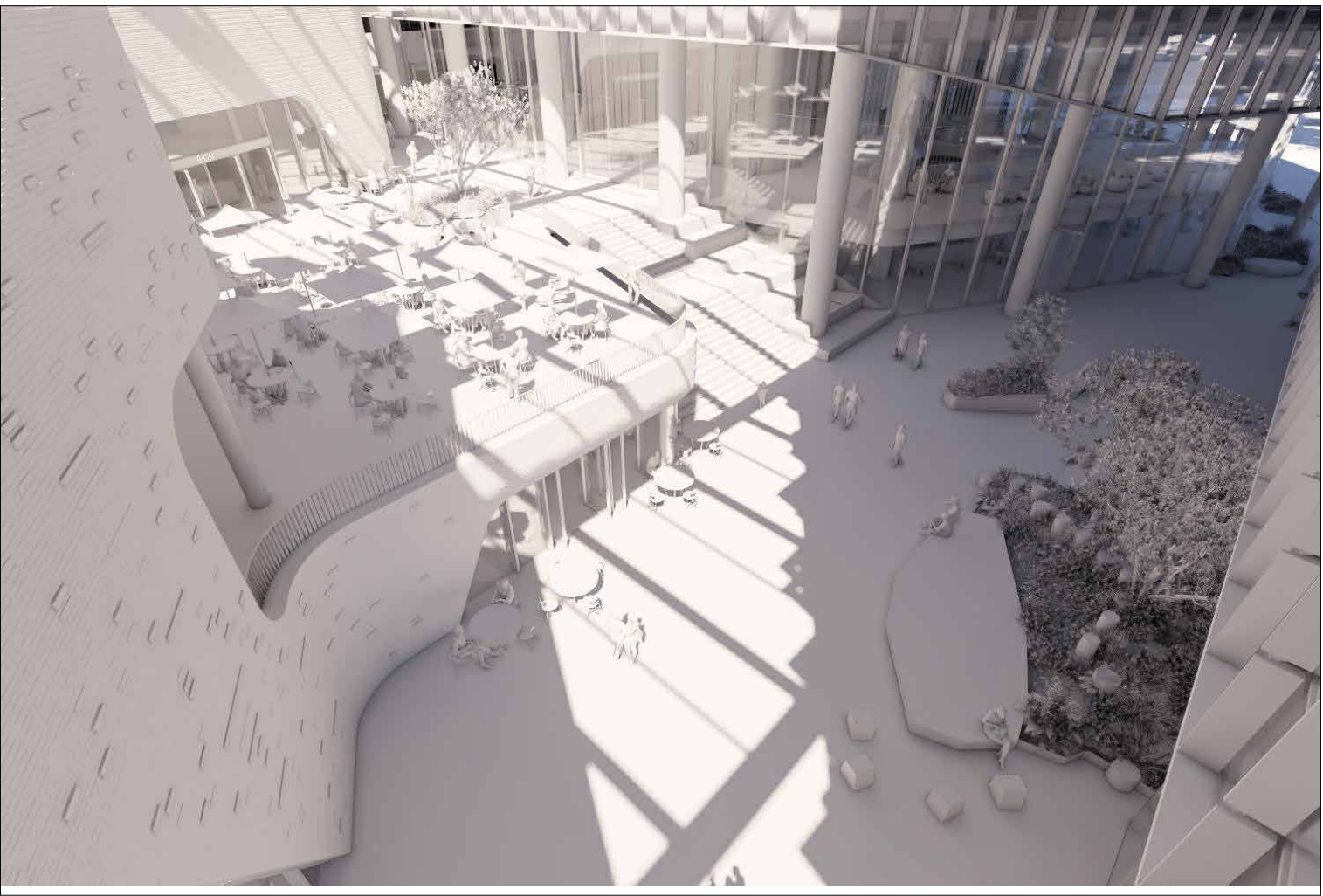
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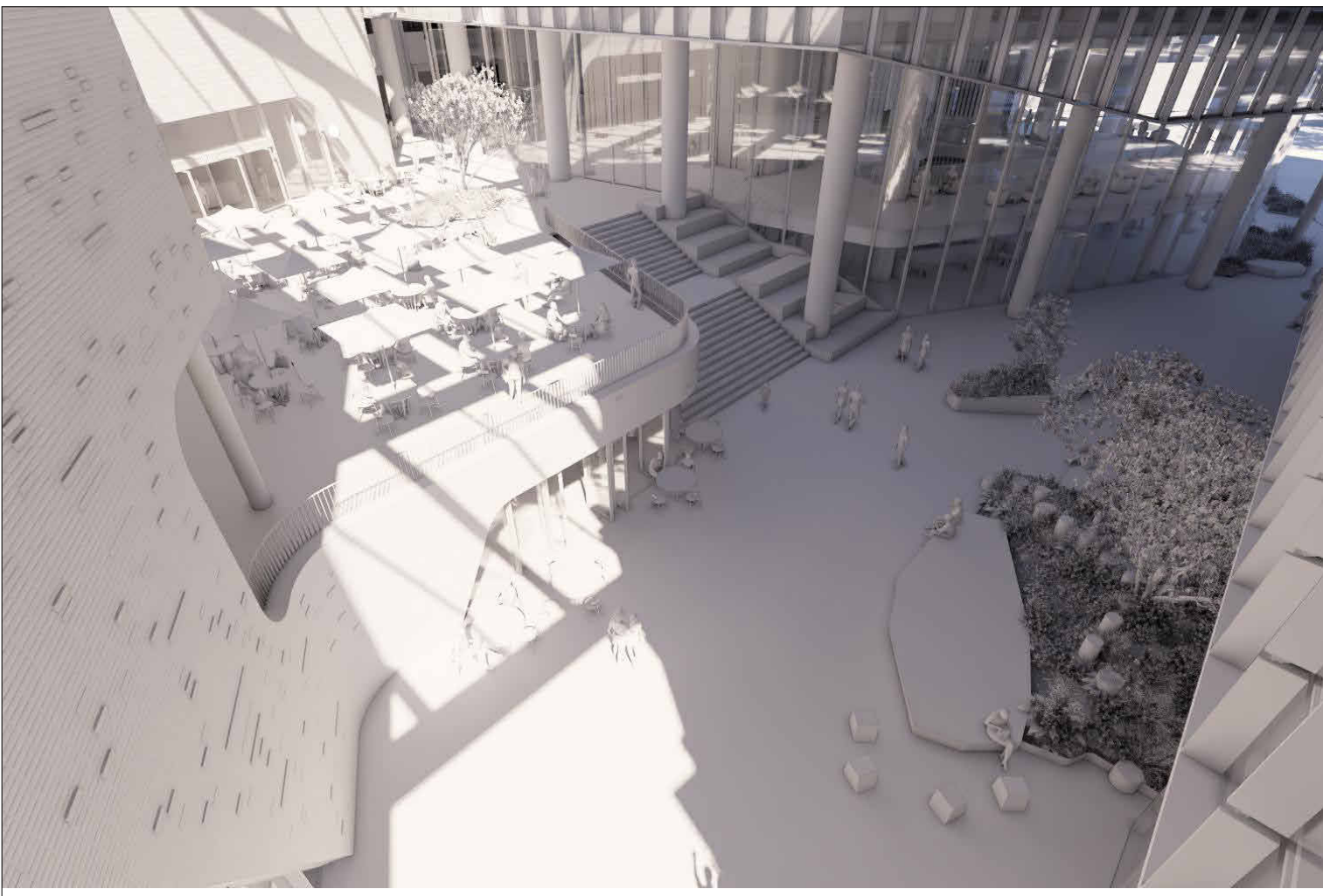
Sep 23 - 11_00 AM



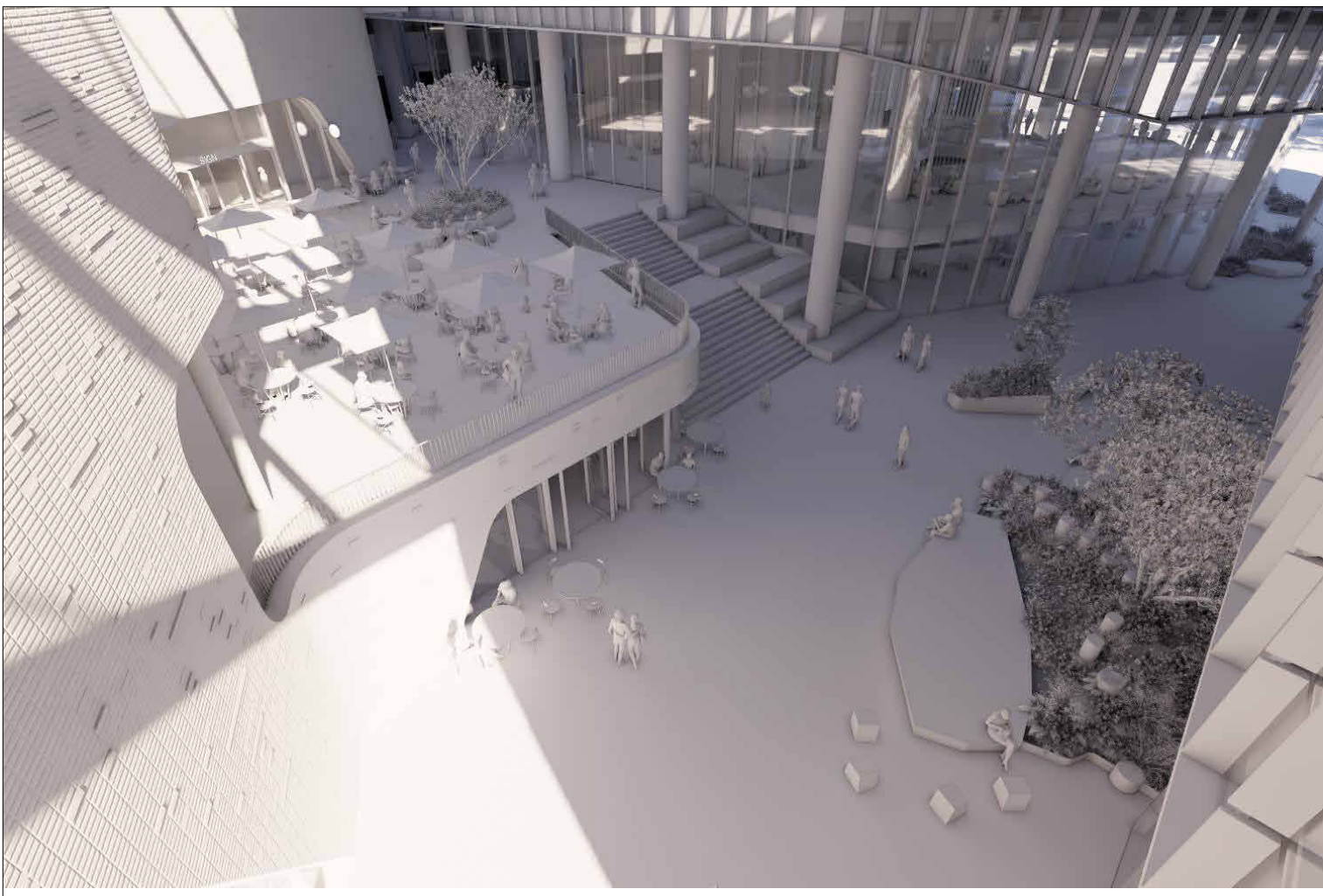
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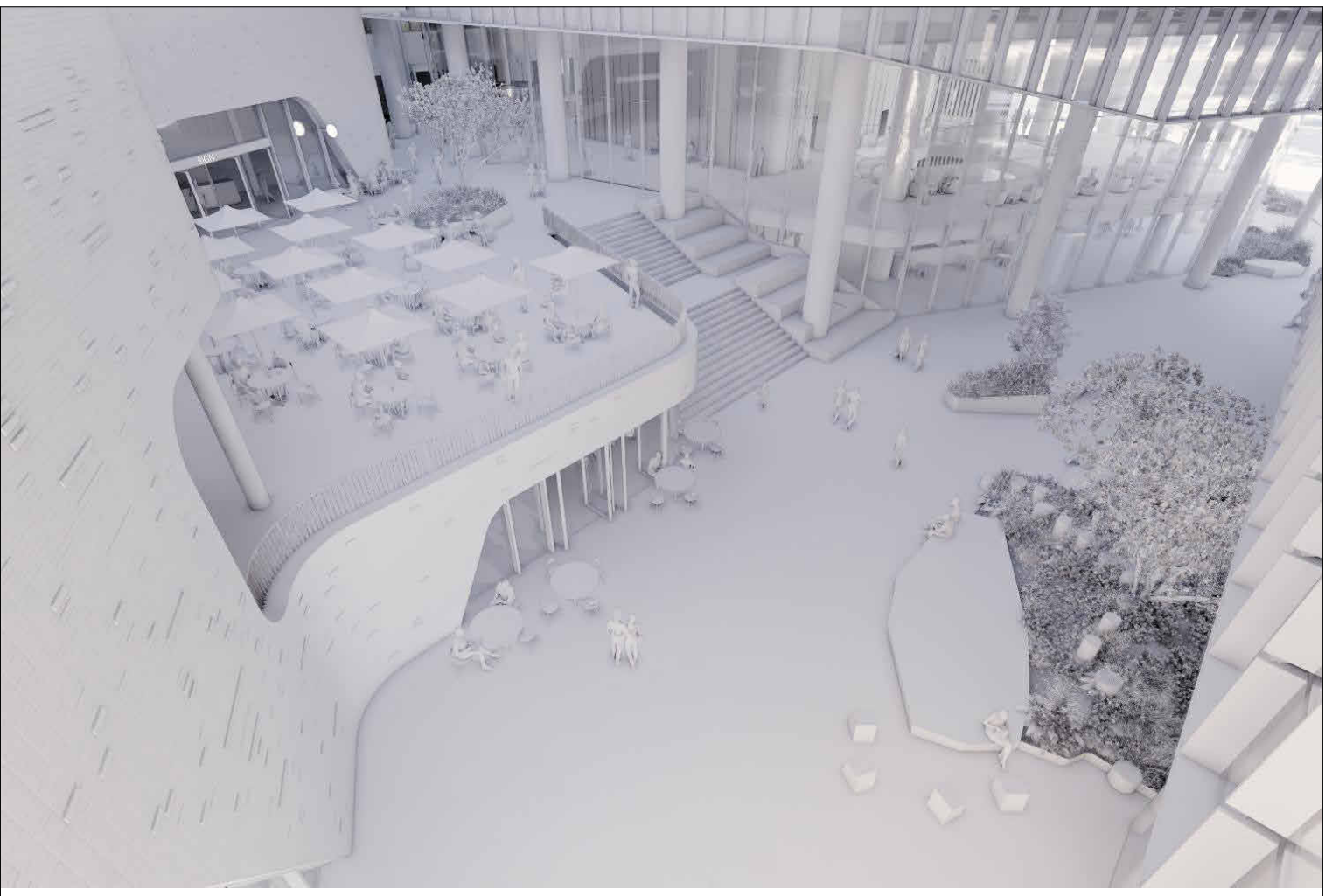
Sep 23 - 01_00 PM



Sep 23 - 02_00 PM



Sep 23 - 03_00 PM



Sep 23 - 04_00 PM

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Revisions

- A 05/09/25 Draft FTA Issue
- B 26/09/25 FTA Issue
- C 03/10/25 FTA Issue
- D 17/10/25 FTA Issue

Notes

COMMERCIAL IN CONFIDENCE

Consultants

- RCP Project Manager
- RLB Quantity Surveyor
- HOLMES Structural Engineer
- NDY Services Engineer
- JENSEN HUGHES Fire Engineer
- TONKIN + TAYLOR Civil Engineer
- FLOW Traffic Engineer
- MOTT MAC DONALD Facade Engineer

Client

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Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM 3D
SHADING ANALYSIS
SPRING EQUINOX
SEP 23 - 0800-1600

Drawing Status

FTA ISSUE

Drawing Details

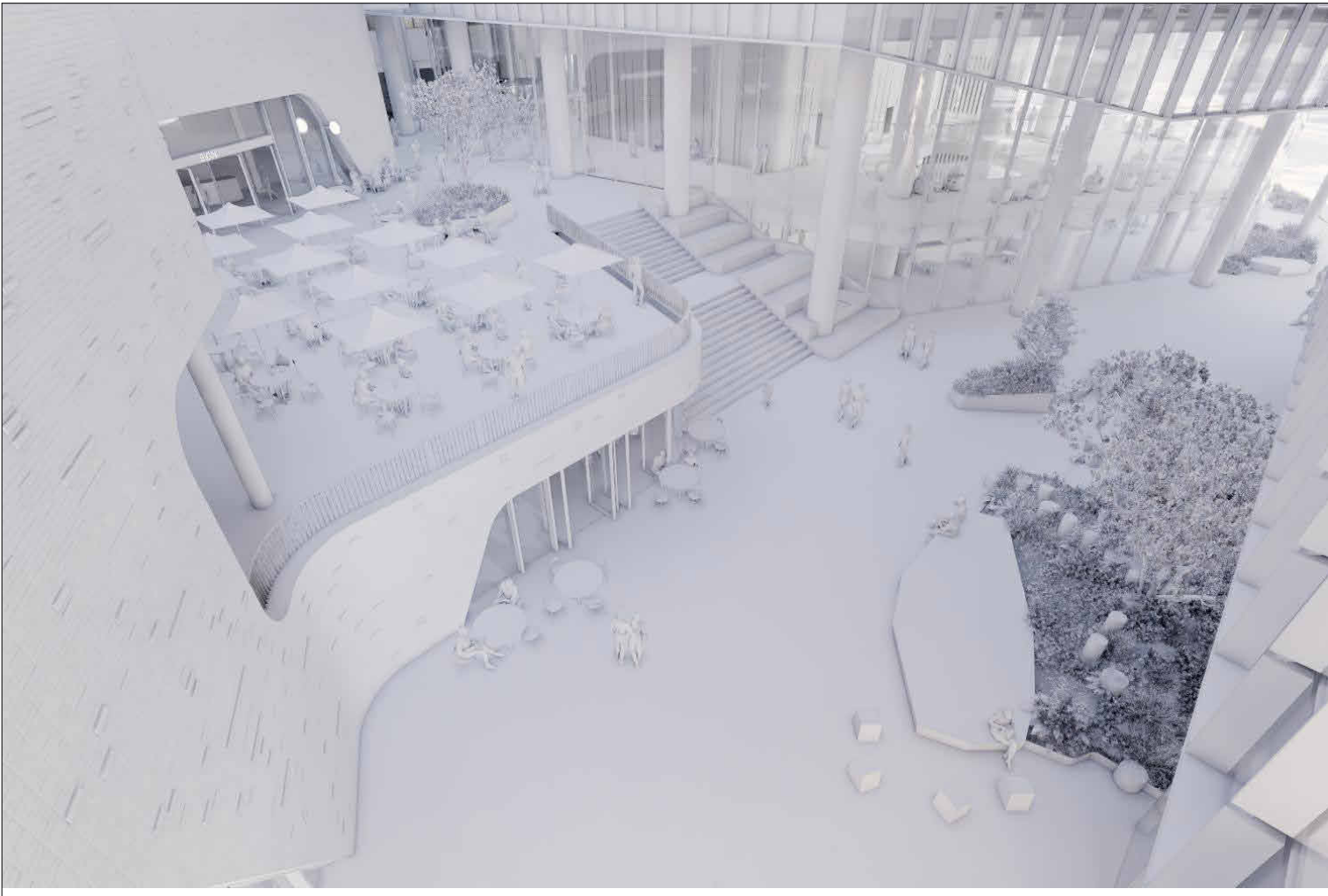
Scale	@ A1
Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

FTA-81-025

Revision

D



Sep 23 - 05_00 PM

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Revisions

- A 05/09/25 Draft FTA Issue
- B 26/09/25 FTA Issue
- C 03/10/25 FTA Issue
- D 17/10/25 FTA Issue

Notes

COMMERCIAL IN CONFIDENCE

Consultants

- RCP
Project Manager
- RLB
Quantity Surveyor
- HOLMES
Structural Engineer
- NDY
Services Engineer
- JENSEN HUGHES
Fire Engineer
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www.warrenandmahoney.com

Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM 3D
SHADING ANALYSIS
SPRING EQUINOX
SEP 23 - 1700-1700

Drawing Status

FTA ISSUE

Drawing Details

Scale	@ A1
Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

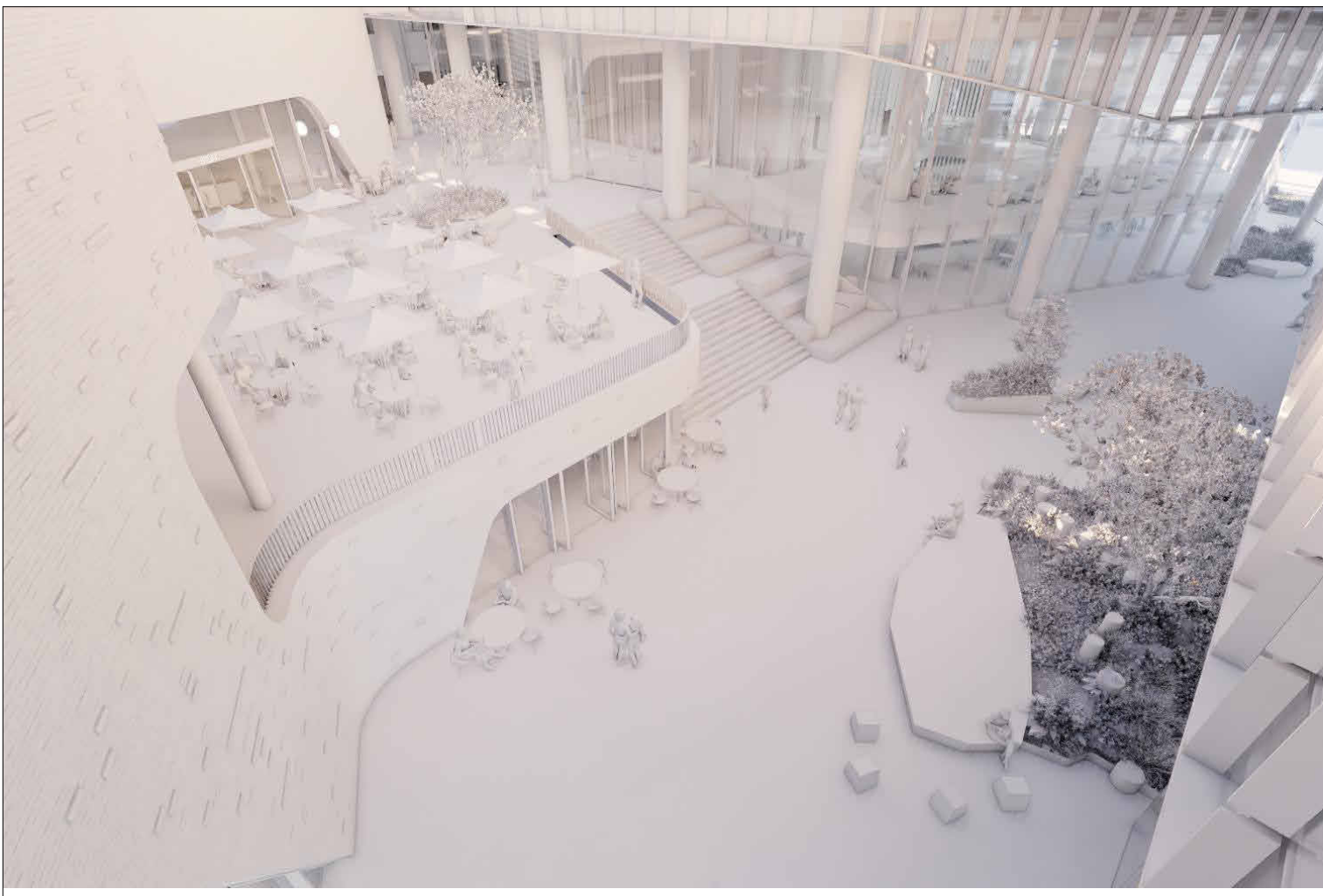
FTA-81-026

Revision

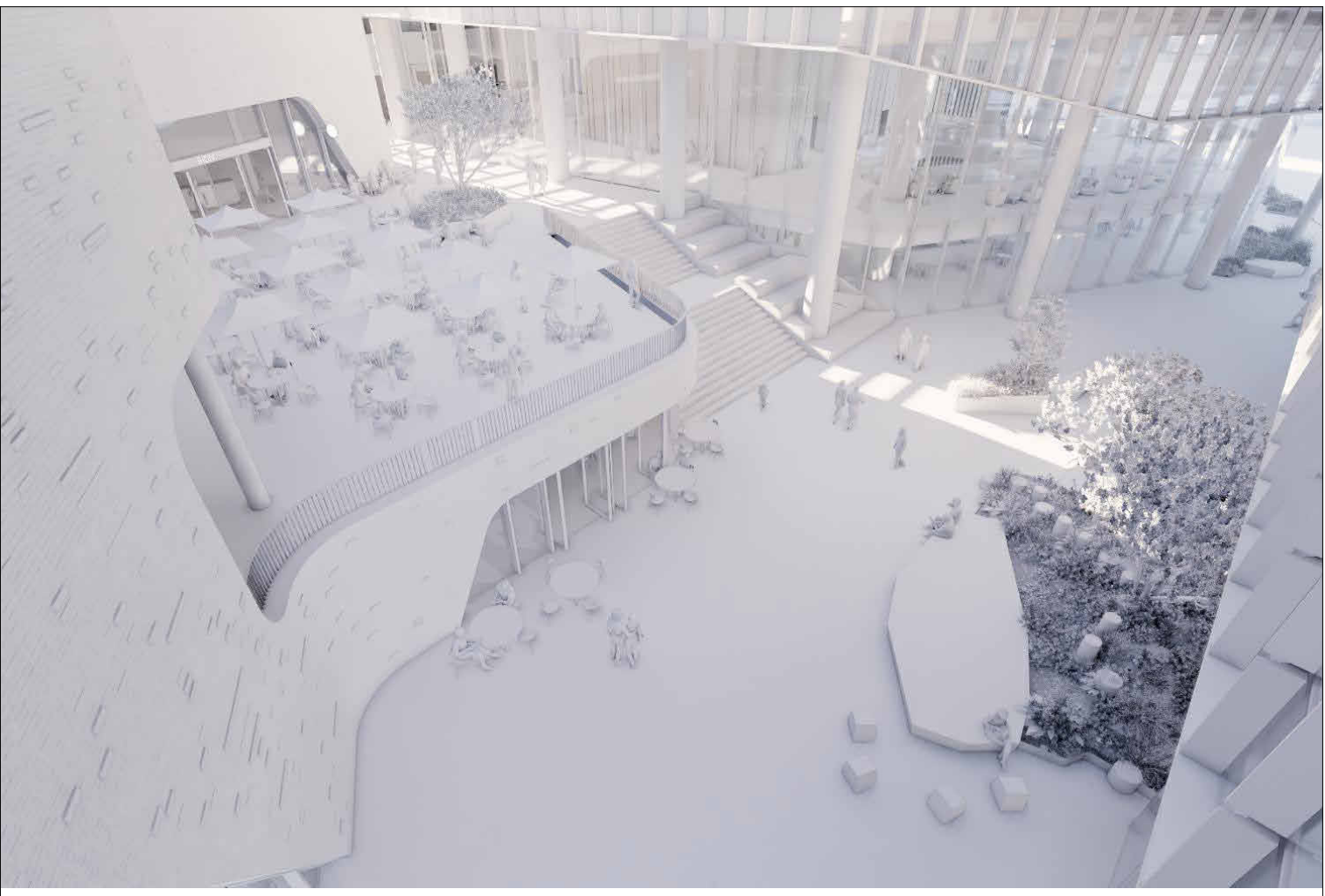
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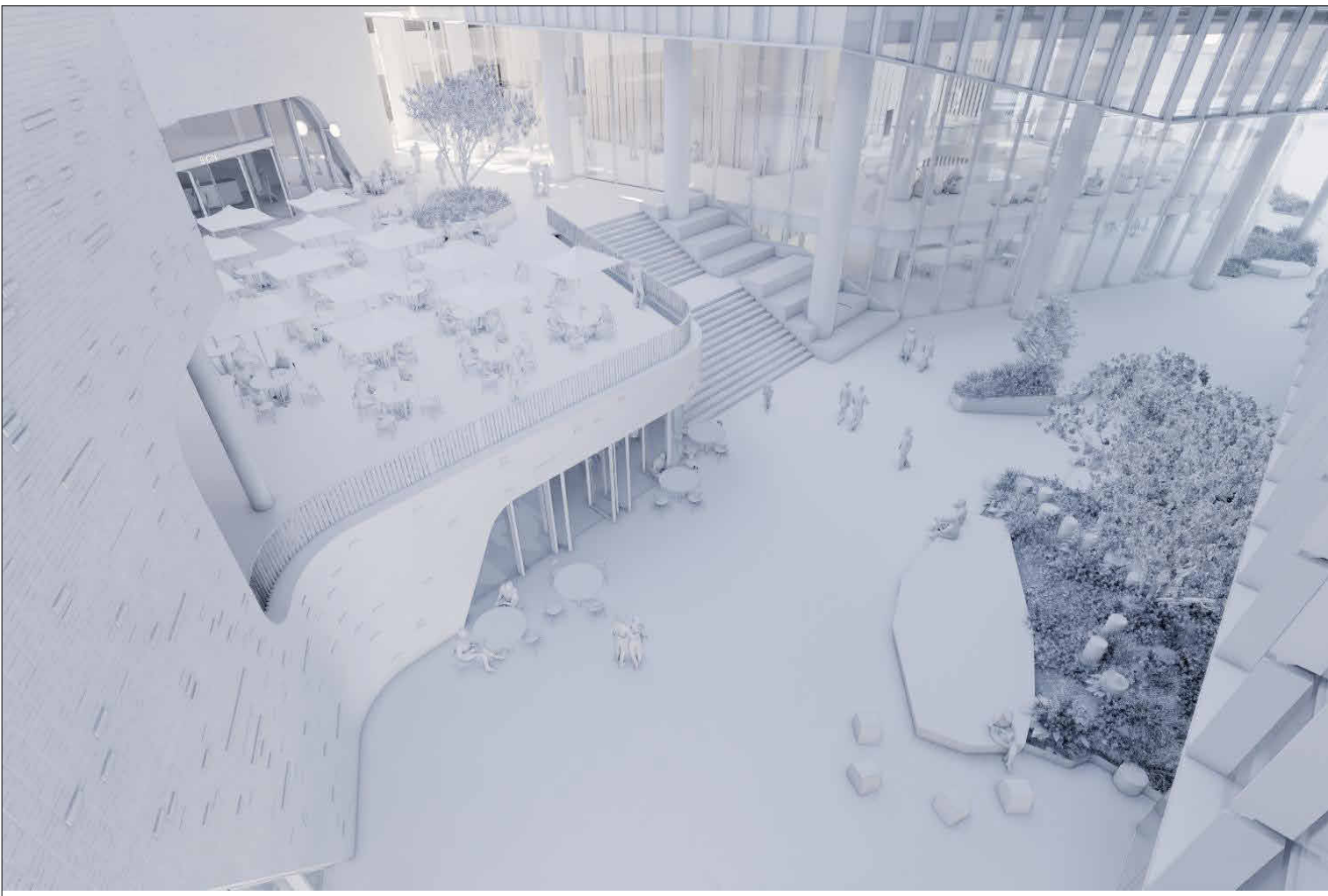
Dec 21 - 06_03 AM (NZDT)



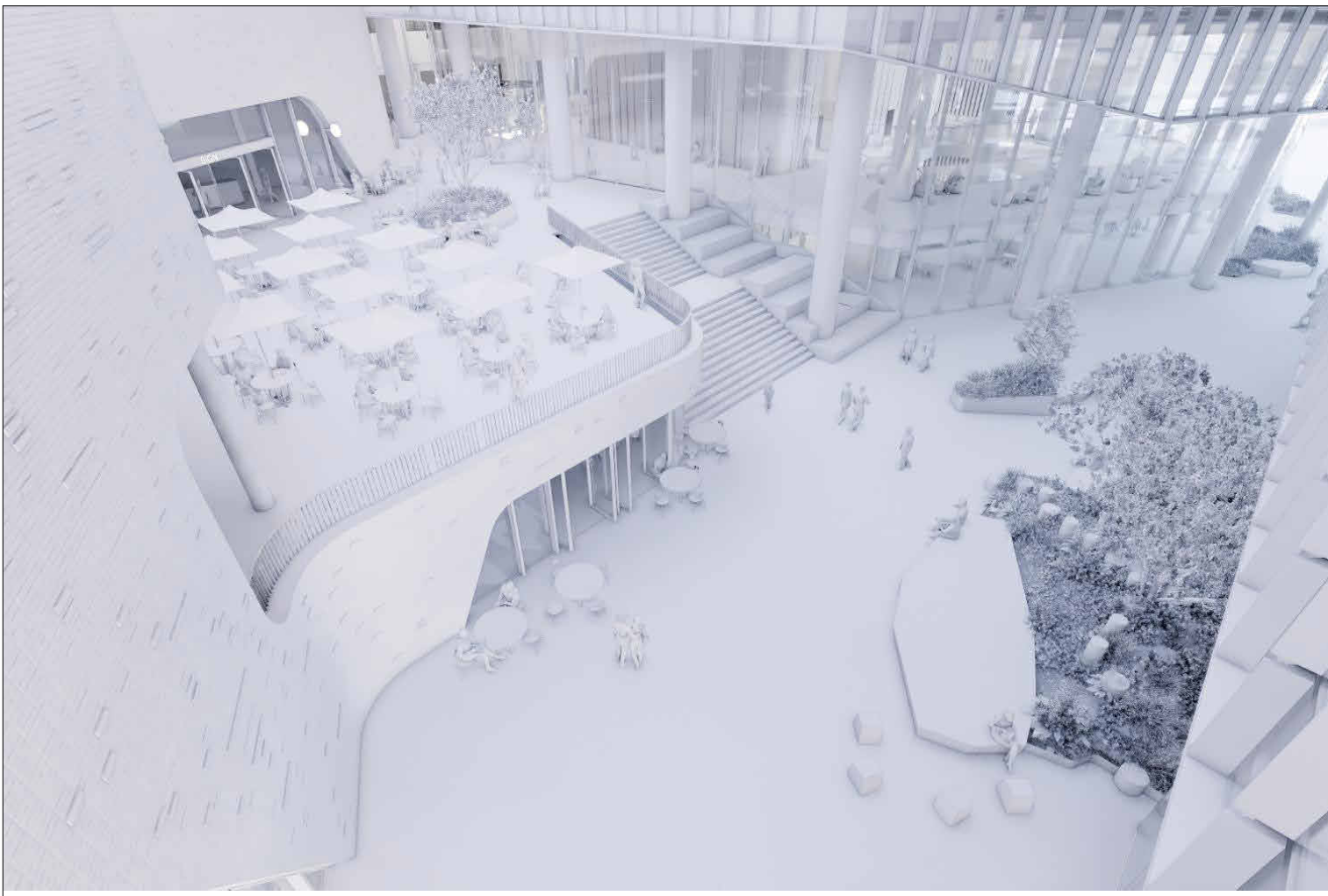
Dec 21 - 07_00 AM (NZDT)



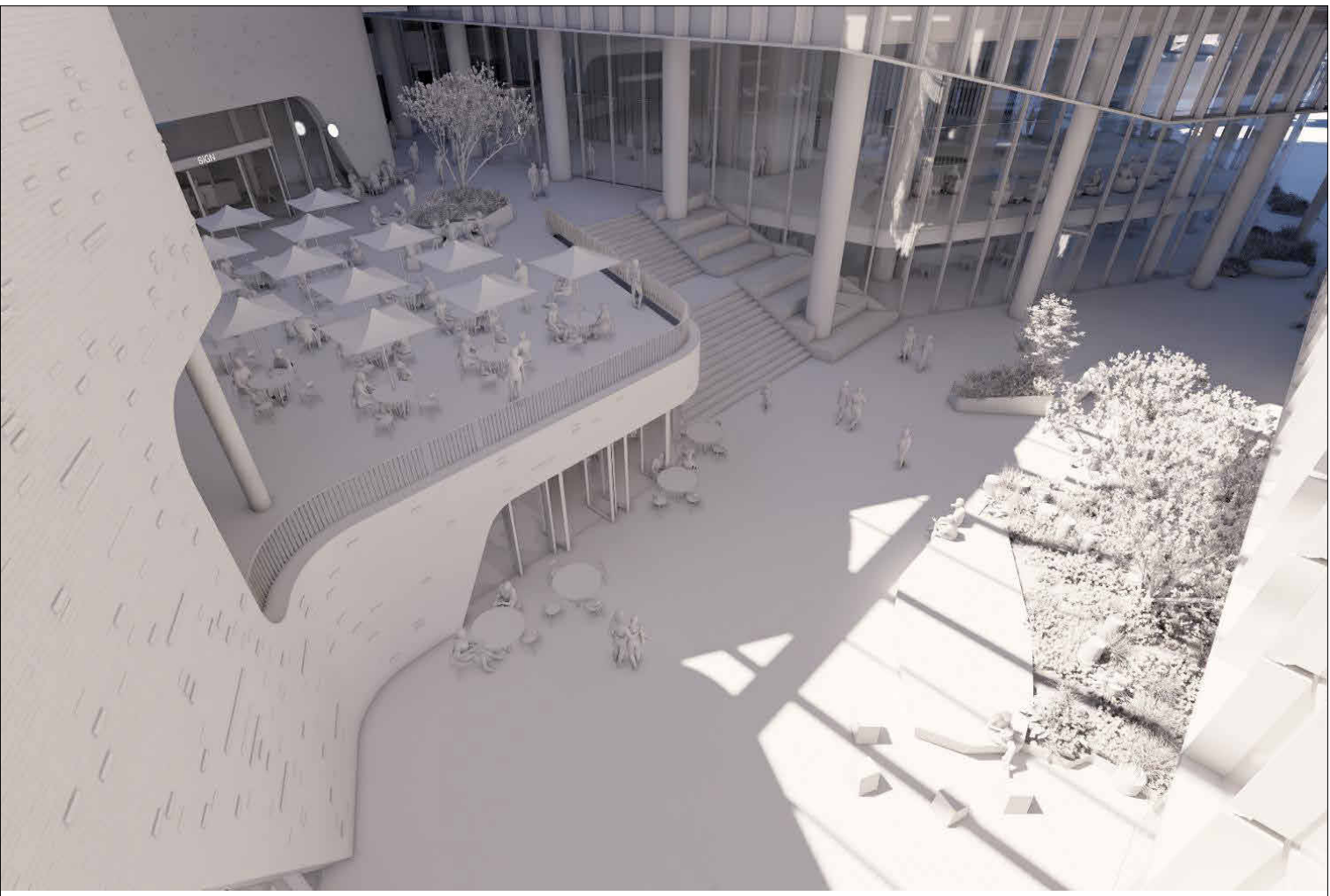
Dec 21 - 08_00 AM (NZDT)



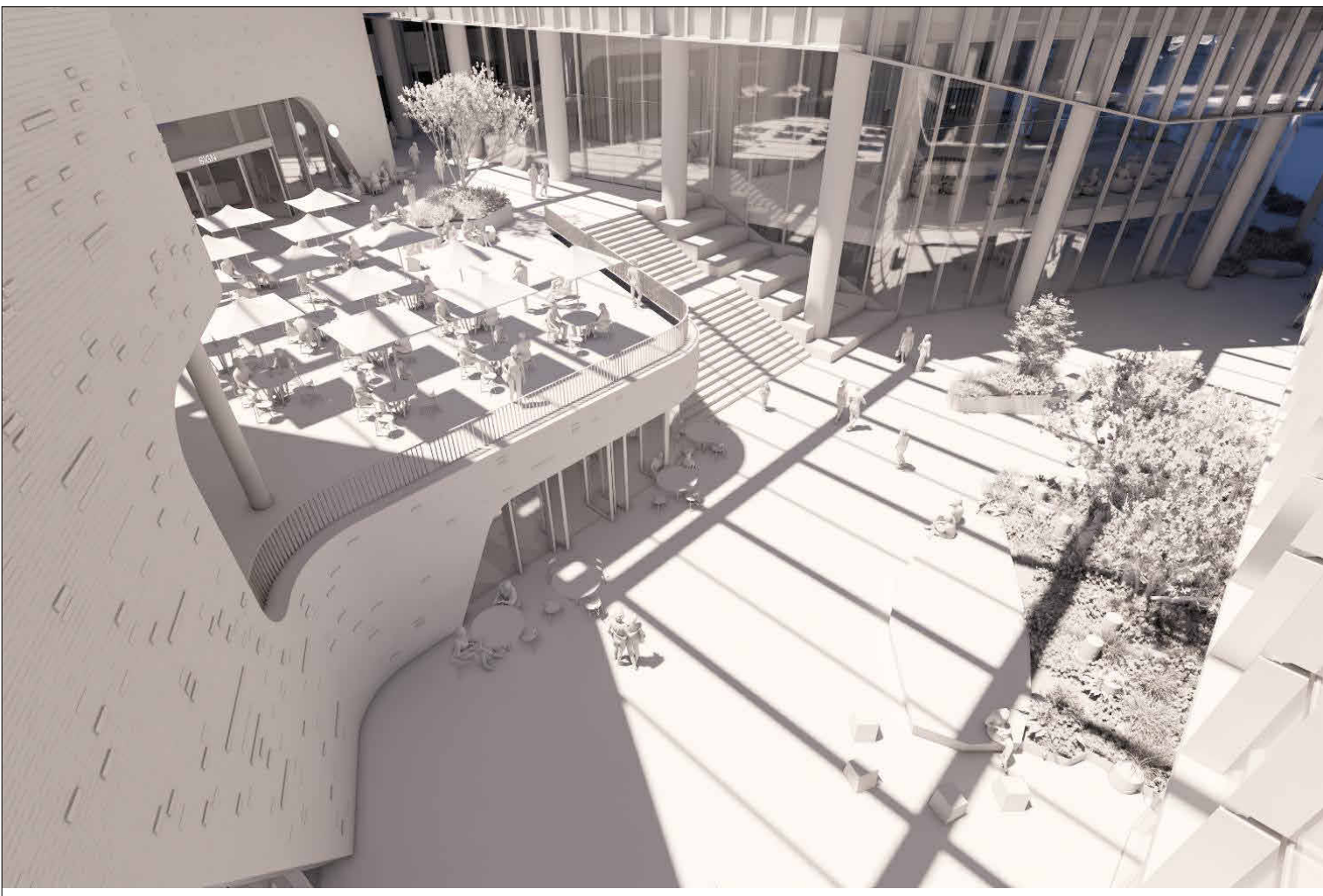
Dec 21 - 09_00 AM (NZDT)



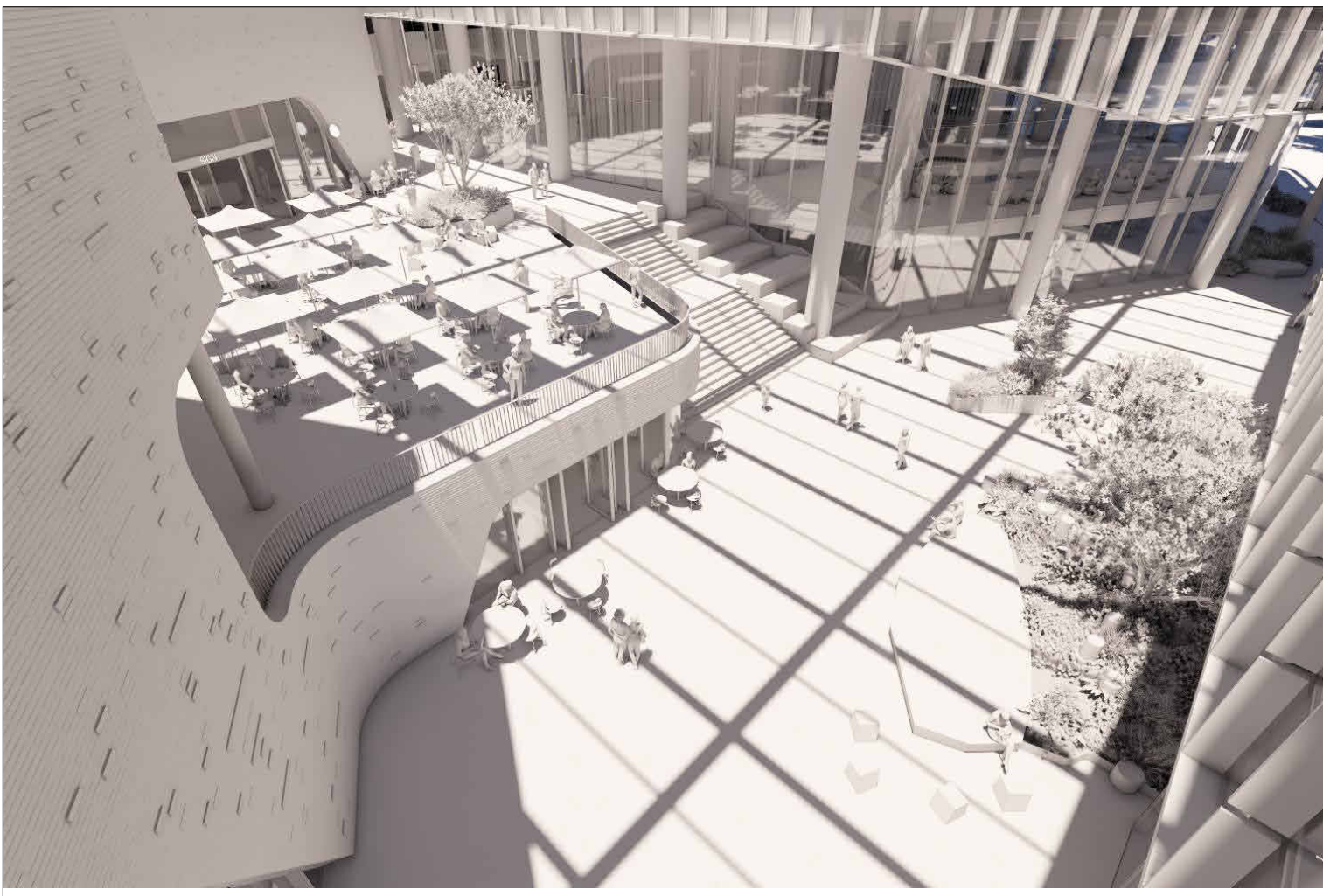
Dec 21 - 10_00 AM (NZDT)



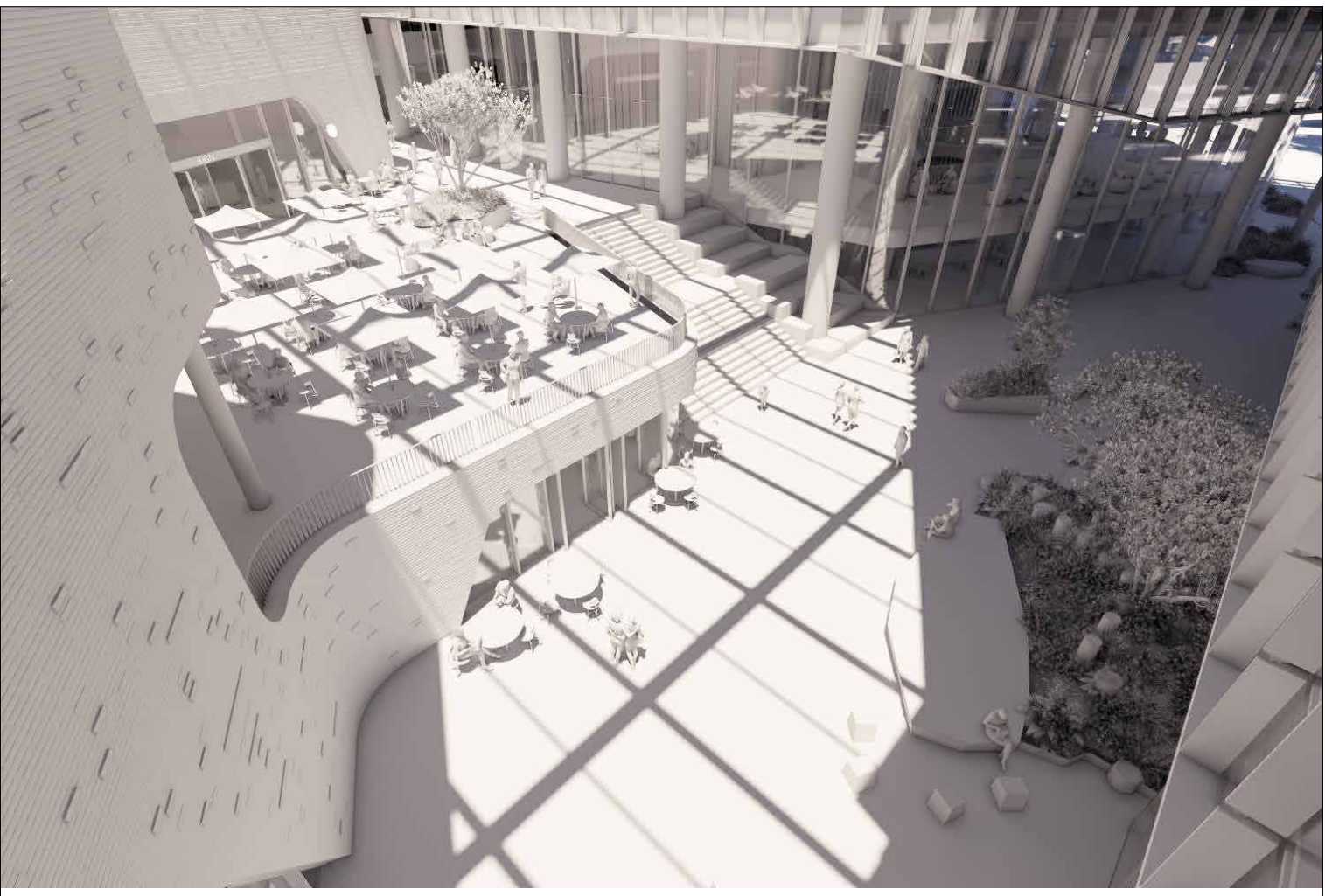
Dec 21 - 11_00 AM (NZDT)



Dec 21 - 12_00 PM (NZDT)



Dec 21 - 01_00 PM (NZDT)



Dec 21 - 01_30 PM (NZDT)

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Revisions

A 05/09/25 Draft FTA Issue
B 26/09/25 FTA Issue
C 03/10/25 FTA Issue
D 17/10/25 FTA Issue

Notes

COMMERCIAL IN CONFIDENCE

Consultants

RCP
Project Manager
RLB
Quantity Surveyor
HOLMES
Structural Engineer
NDY
Services Engineer
JENSEN HUGHES
Fire Engineer
TONKIN + TAYLOR
Civil Engineer
FLOW
Traffic Engineer
MOTT MAC DONALD
Facade Engineer

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www.warrenandmahoney.com

Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM 3D
SHADING ANALYSIS
SUMMER SOLSTICE
DEC 21 - 0630-1330

Drawing Status

FTA ISSUE

Drawing Details

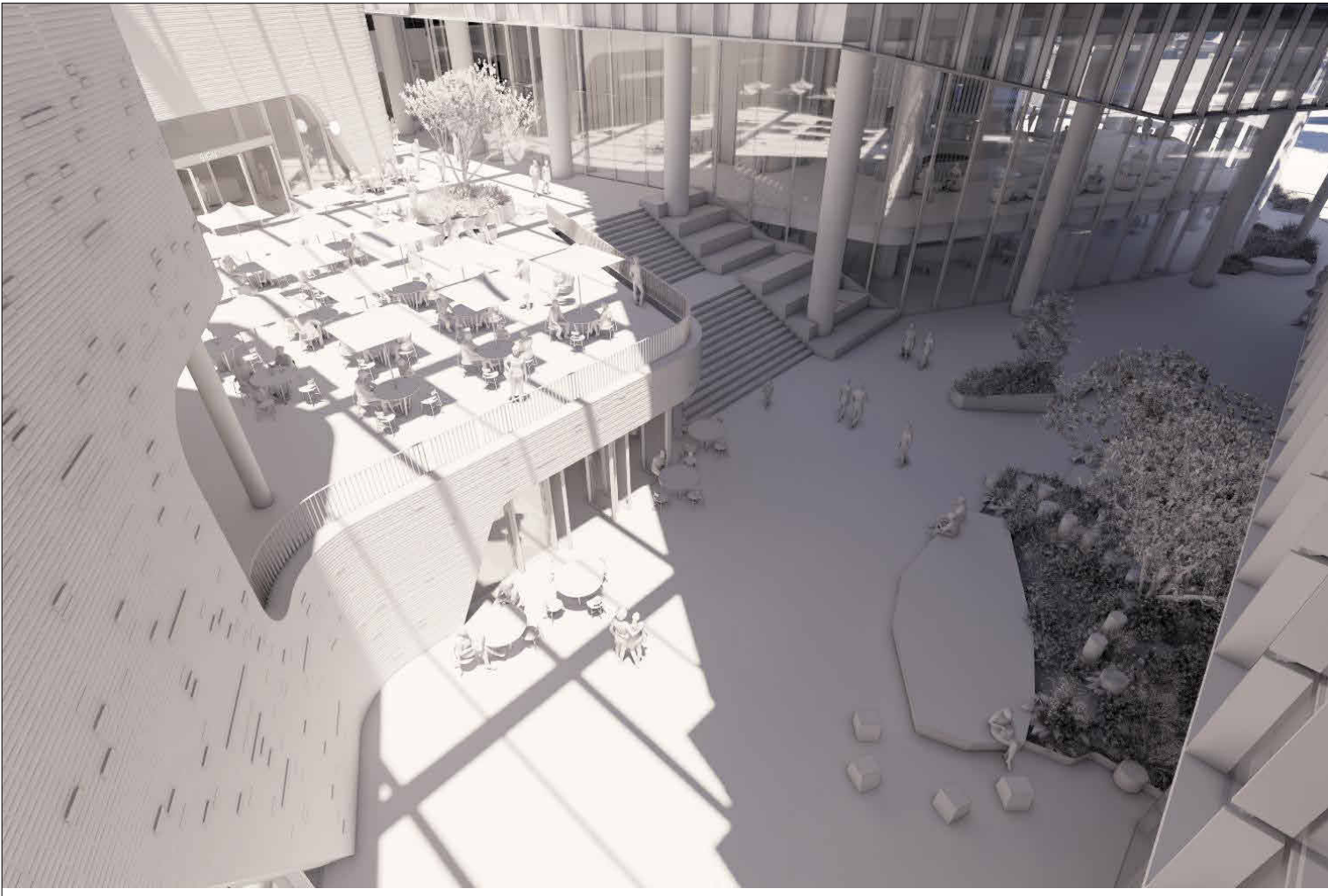
Scale @ A1
Date 17/10/25
Job No 9234
Drawn WAM
Checked MM

Drawing No

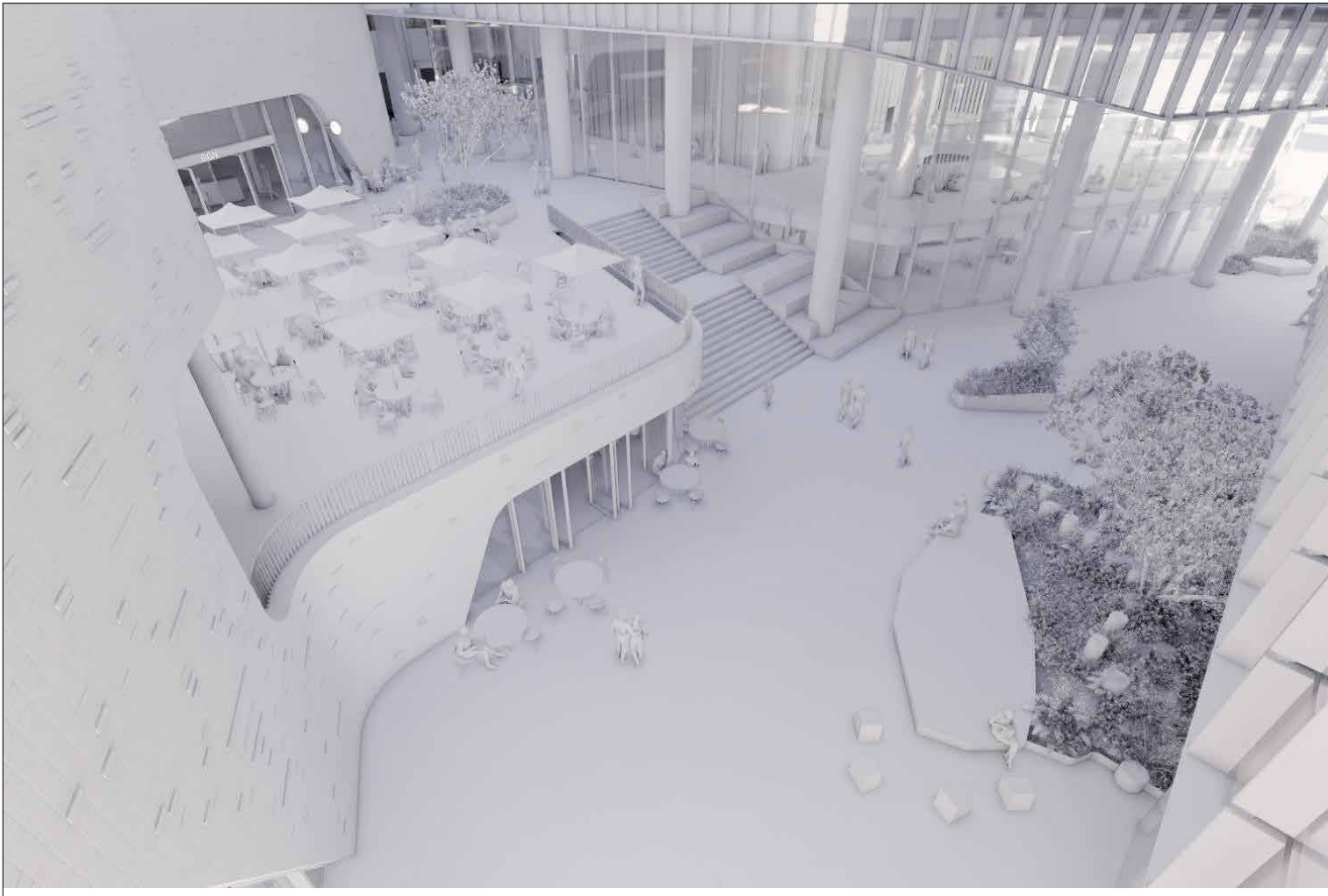
FTA-81-027

Revision

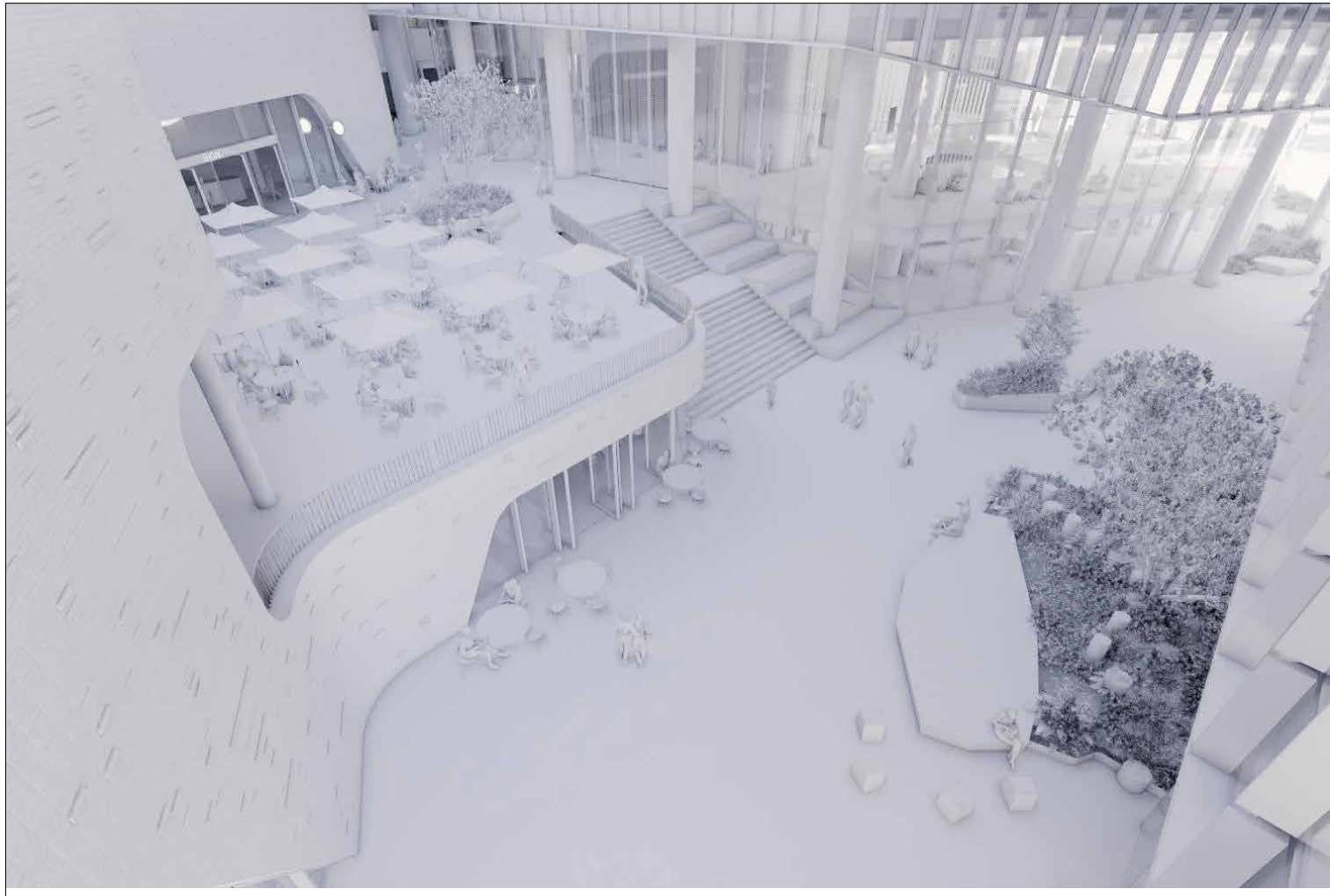
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Dec 21 - 02_00 PM (NZDT)



Dec 21 - 03_00 PM (NZDT)



Dec 21 - 04_00 PM (NZDT)

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Revisions

- A 05/09/25 Draft FTA Issue
- B 26/09/25 FTA Issue
- C 03/10/25 FTA Issue
- D 17/10/25 FTA Issue

Notes

COMMERCIAL IN CONFIDENCE

Consultants

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Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM 3D
SHADING ANALYSIS
SUMMER SOLSTICE
DEC 21 - 1400-1600

Drawing Status

FTA ISSUE

Drawing Details

Scale	@ A1
Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

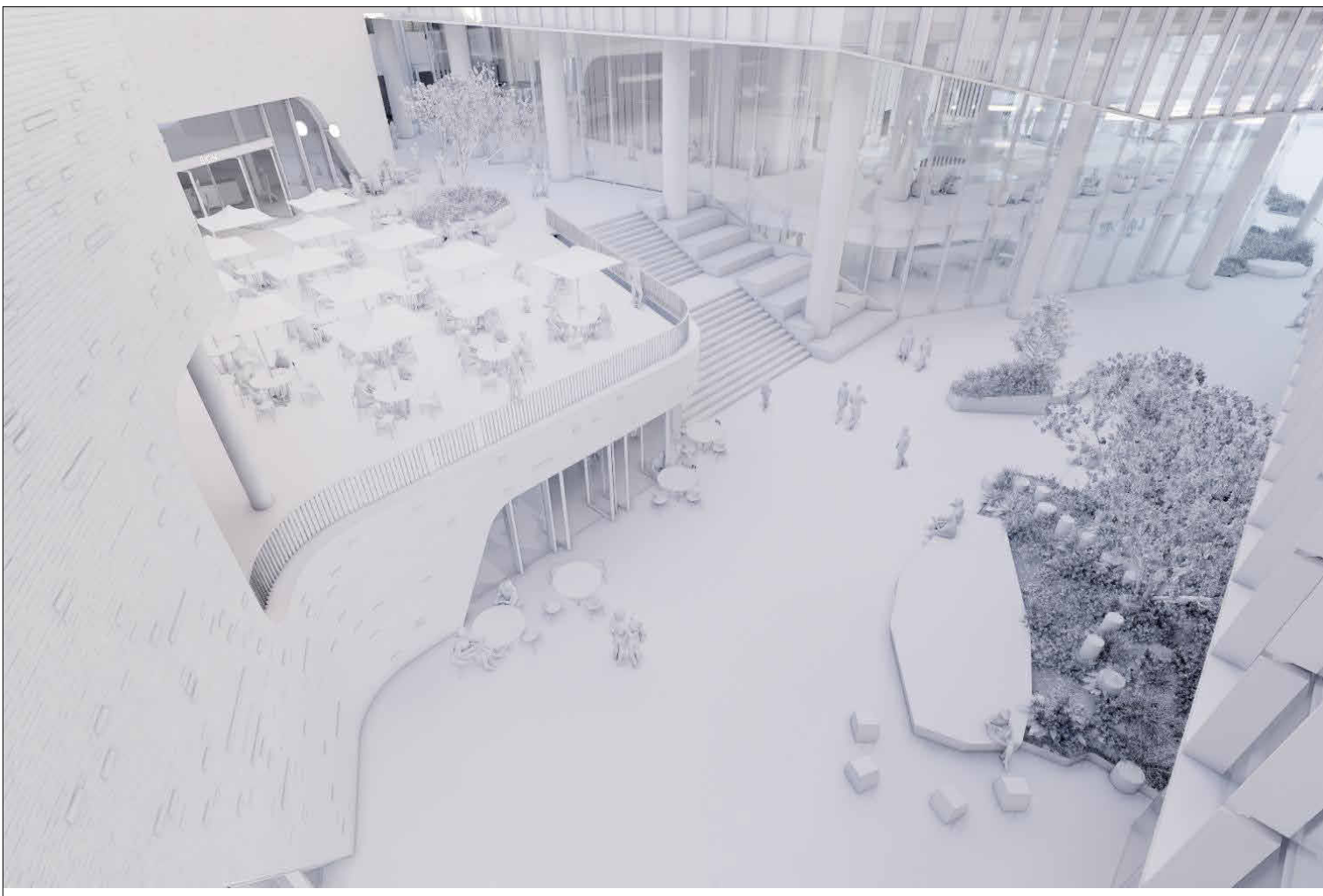
FTA-81-028

Revision

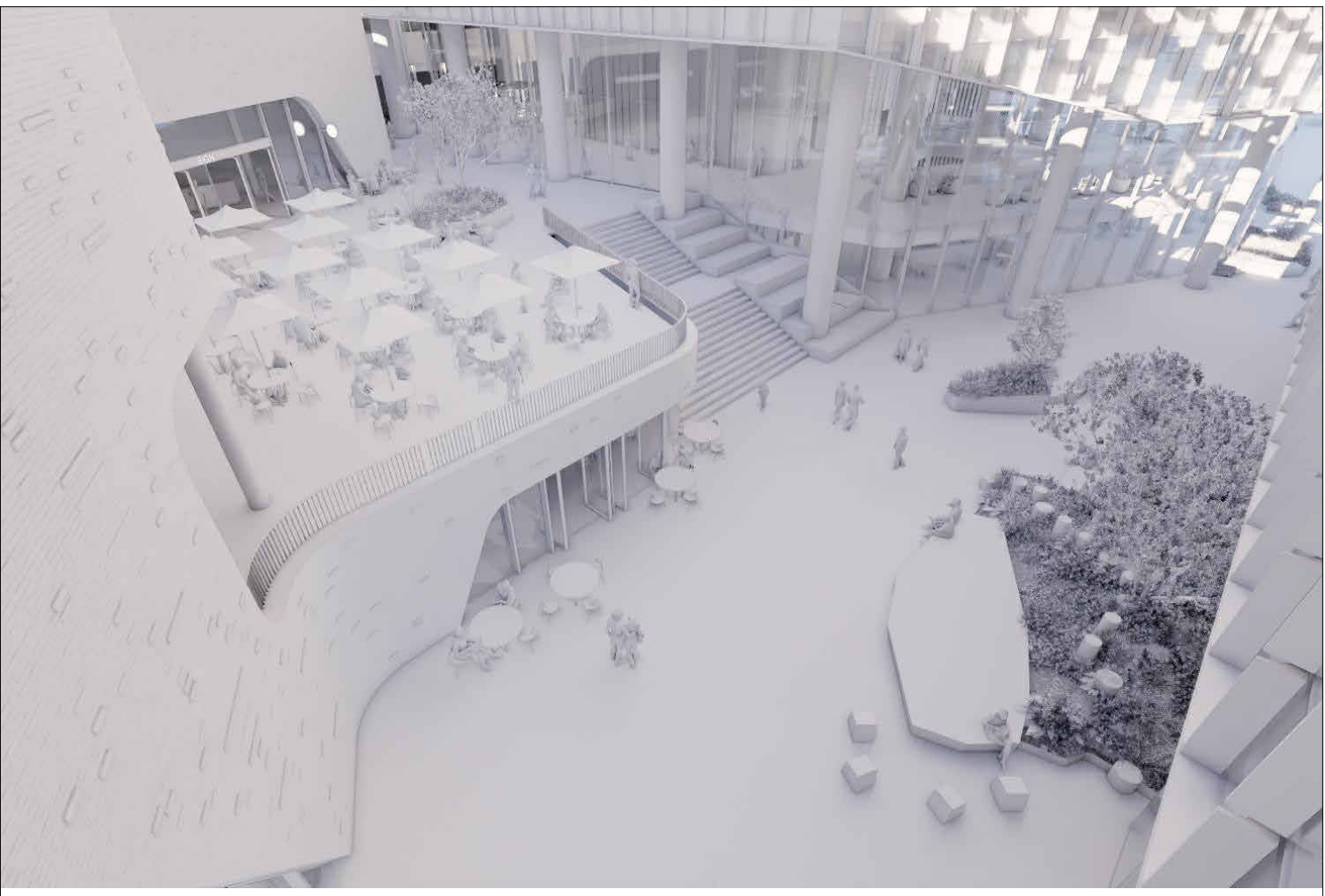
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Jun 21 - 09_00 AM



Jun 21 - 10_00 AM



Jun 21 - 11_00 AM



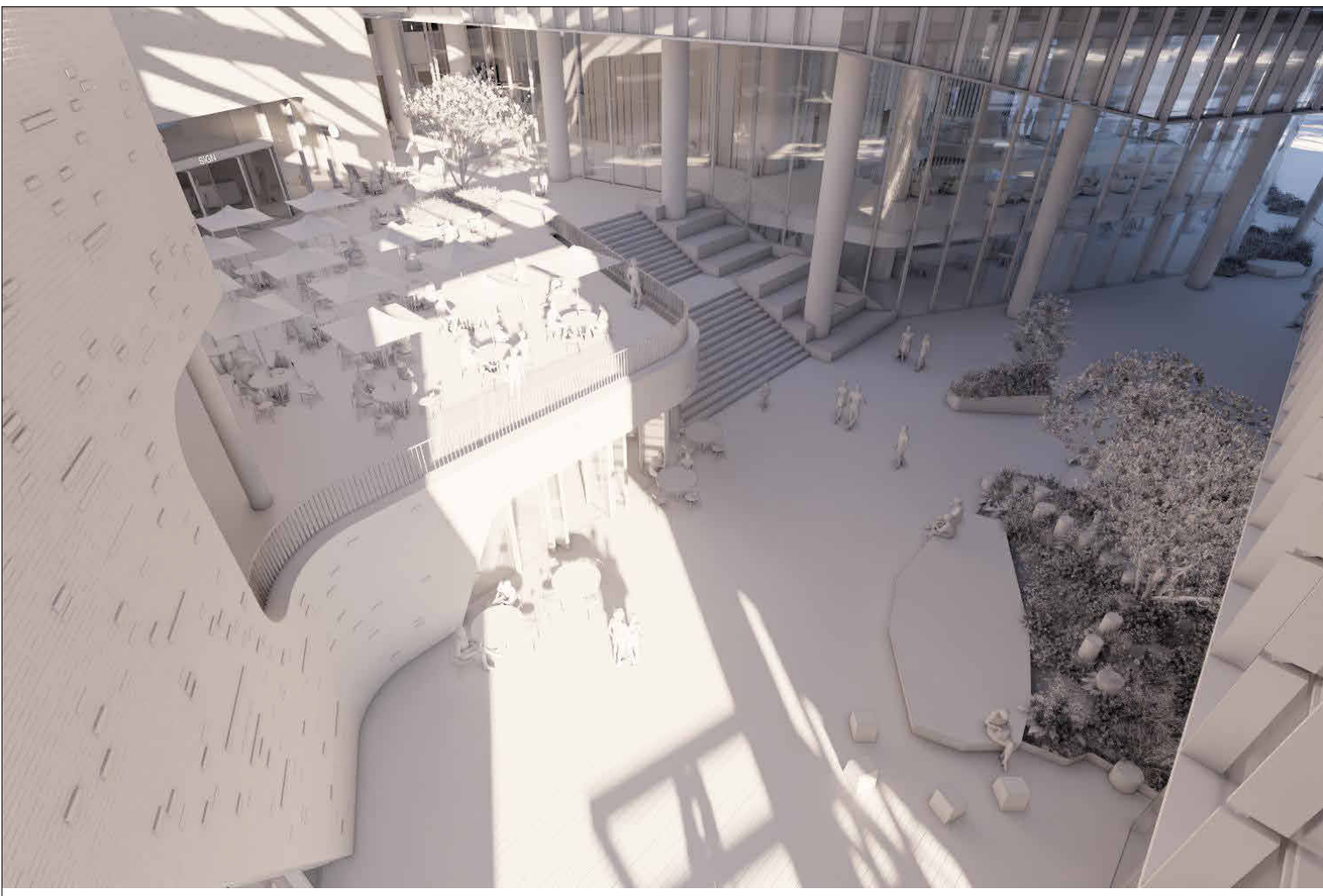
Jun 21 - 12_00 PM



Jun 21 - 01_00 PM



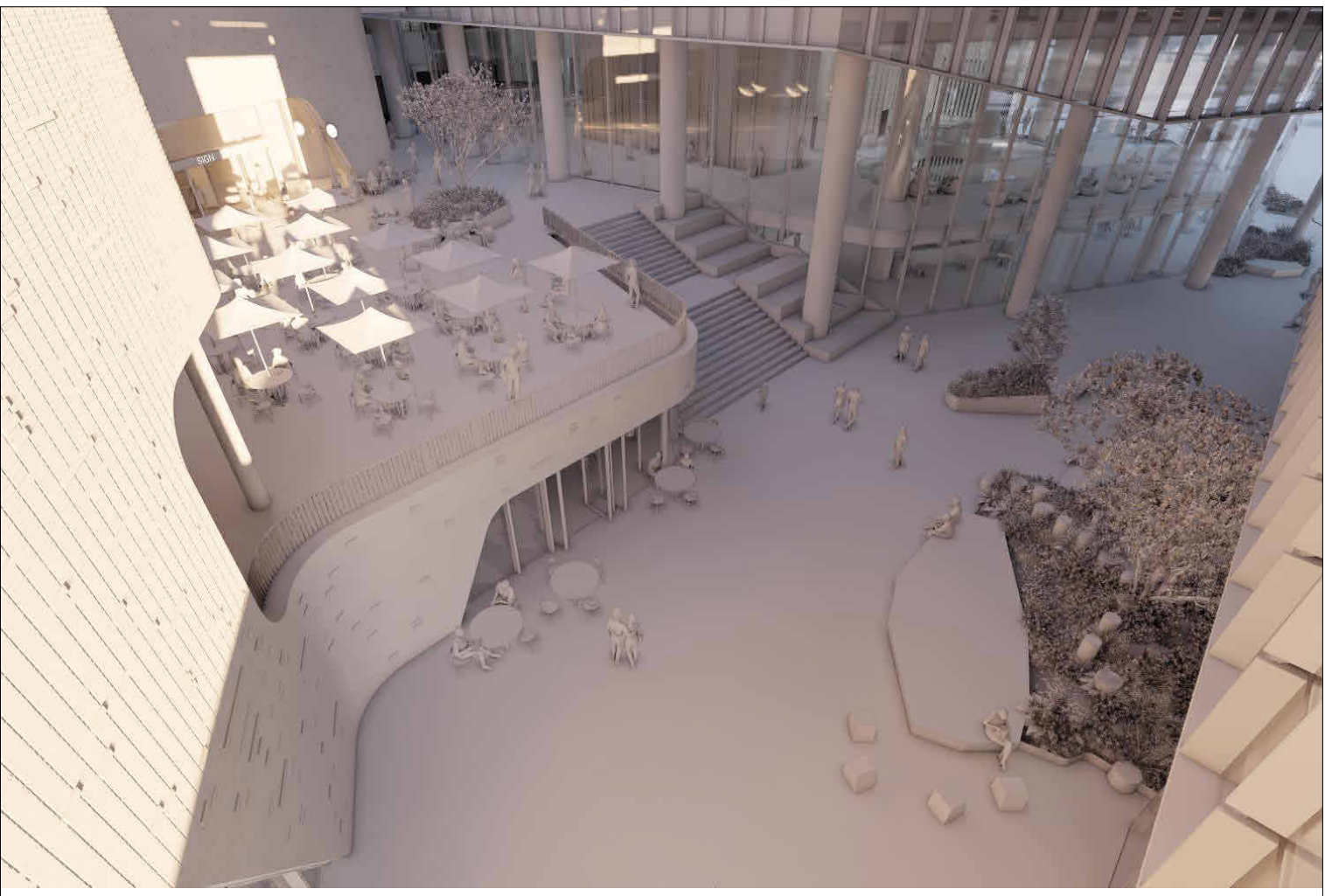
Jun 21 - 02_00 PM



Jun 21 - 03_00 PM



Jun 21 - 04_00 PM



Jun 21 - 04_30 PM

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Revisions

- A 05/09/25 Draft FTA Issue
- B 26/09/25 FTA Issue
- C 03/10/25 FTA Issue
- D 17/10/25 FTA Issue

Notes

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www.warrenandmahoney.com

Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM 3D
SHADING ANALYSIS
WINTER SOLSTICE
JUN 21 - 0900-1630

Drawing Status

FTA ISSUE

Drawing Details

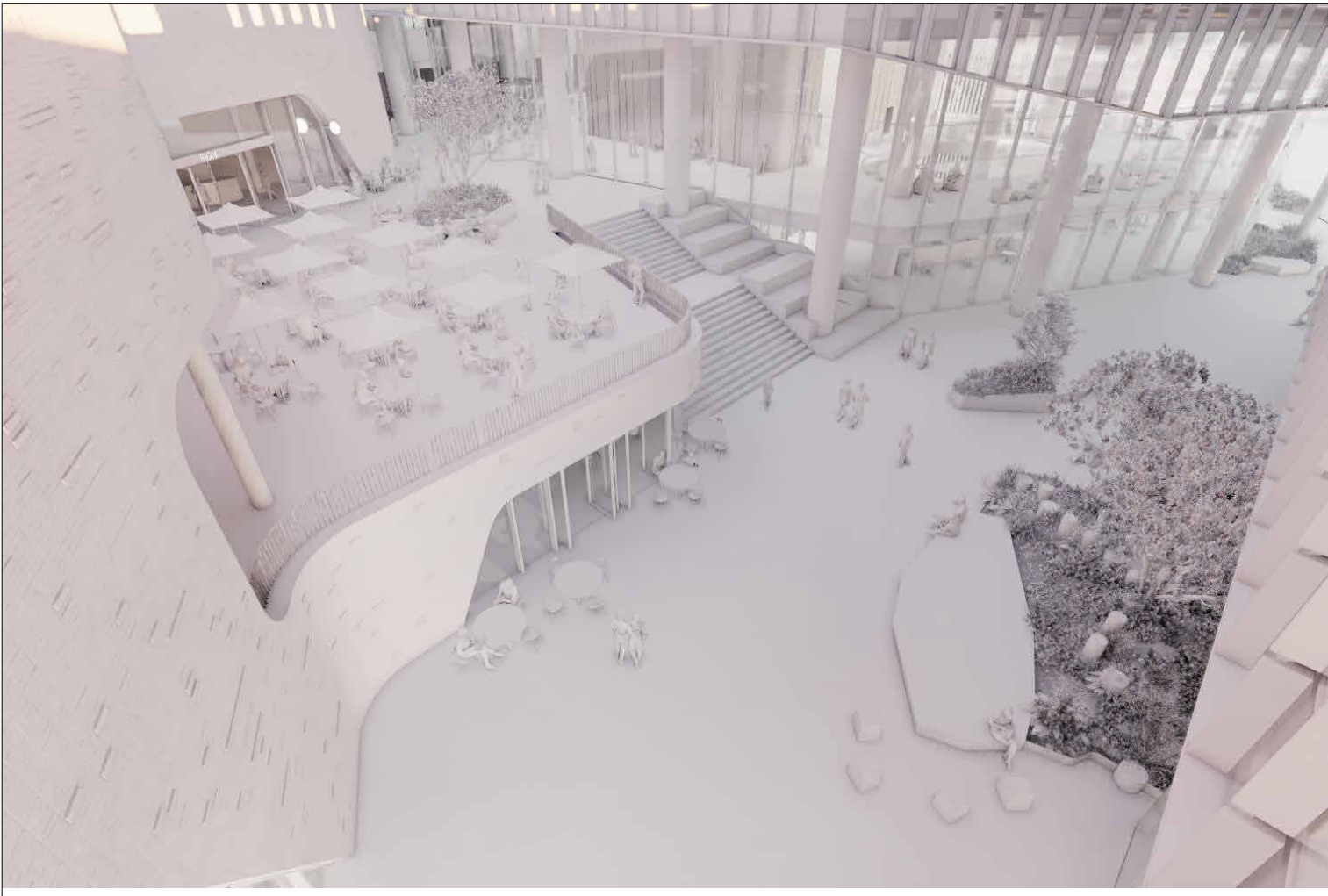
Scale	@ A1
Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

FTA-81-029

Revision

D



Jun 21 - 05_00 PM

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Revisions

- A 05/09/25 Draft FTA Issue
- B 26/09/25 FTA Issue
- C 03/10/25 FTA Issue
- D 17/10/25 FTA Issue

Notes

COMMERCIAL IN CONFIDENCE

Consultants

- RCP
Project Manager
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Quantity Surveyor
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Project Title

DOWNTOWN
CARPARK
DEVELOPMENT

2 LOWER HOBSON STREET,
AUCKLAND CBD, AUCKLAND 1010

Drawing Title

URBAN ROOM 3D
SHADING ANALYSIS
WINTER SOLSTICE
JUN 21 - 1700-1700

Drawing Status

FTA ISSUE

Drawing Details

Scale	@ A1
Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

FTA-81-030

Revision

D

St Patrick's Square Analysis

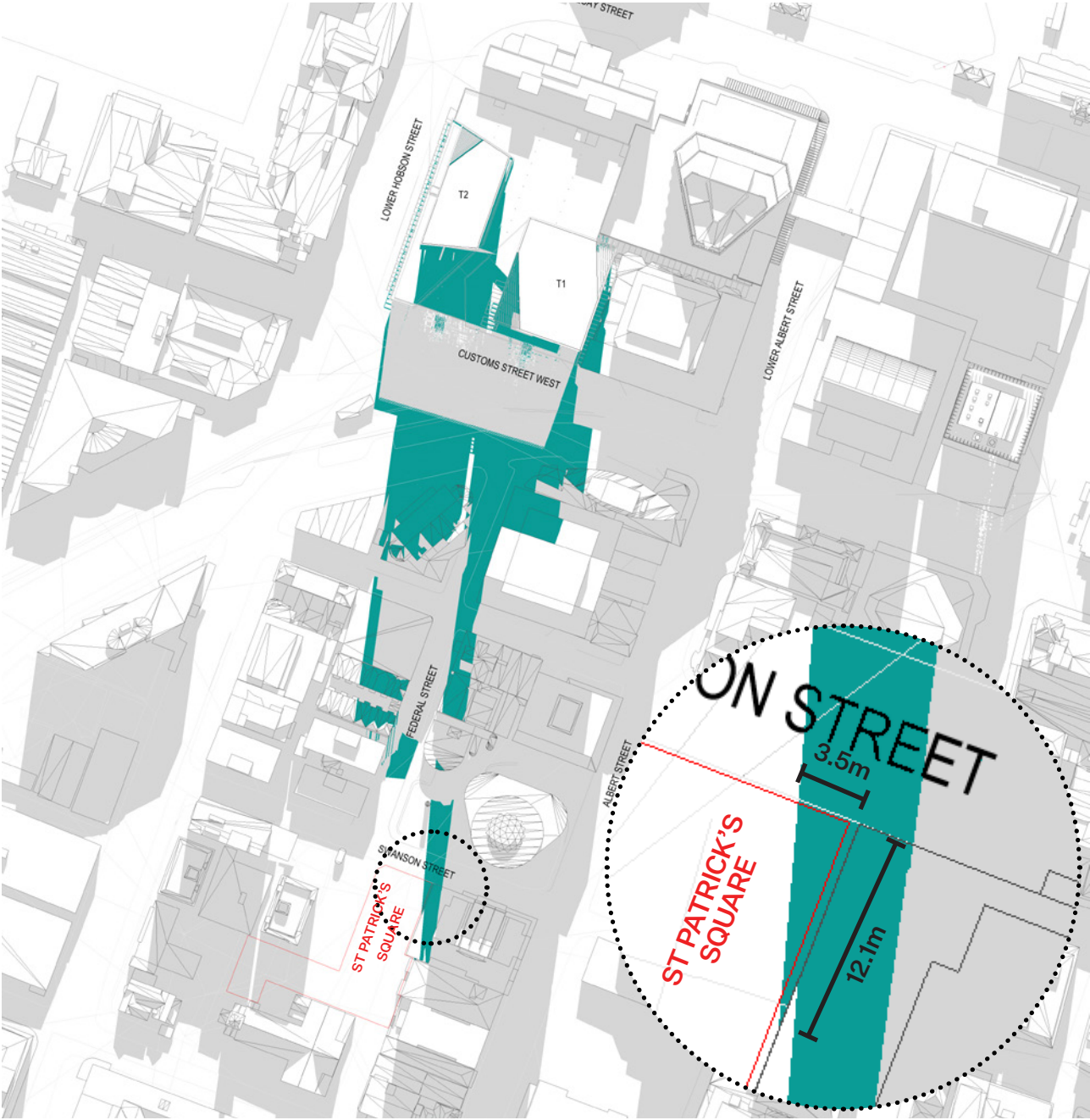
Detailed Shading Analysis Summary - T1

Shade present on St Patrick’s Square

	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	13/07	14/07	15/07	16/07	17/07	18/07	19/07	20/07	21/07	22/07	23/07	24/07	25/07	26/07	27/07	28/07	29/07	30/07	31/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	13/08	14/08	15/08	16/08	17/08	18/08	
12:00 noon				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
12:01 pm							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
12:02 pm																x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
12:03 pm																																																		

41	Days per year with shade present*
3 minutes	Maximum time with shade present on affected days*
21.3m²	Maximum shade area
29th July	Day with observed largest shading impact

*Between 12:00noon - 2pm



Sun analysis - 29th July, 12:00 noon

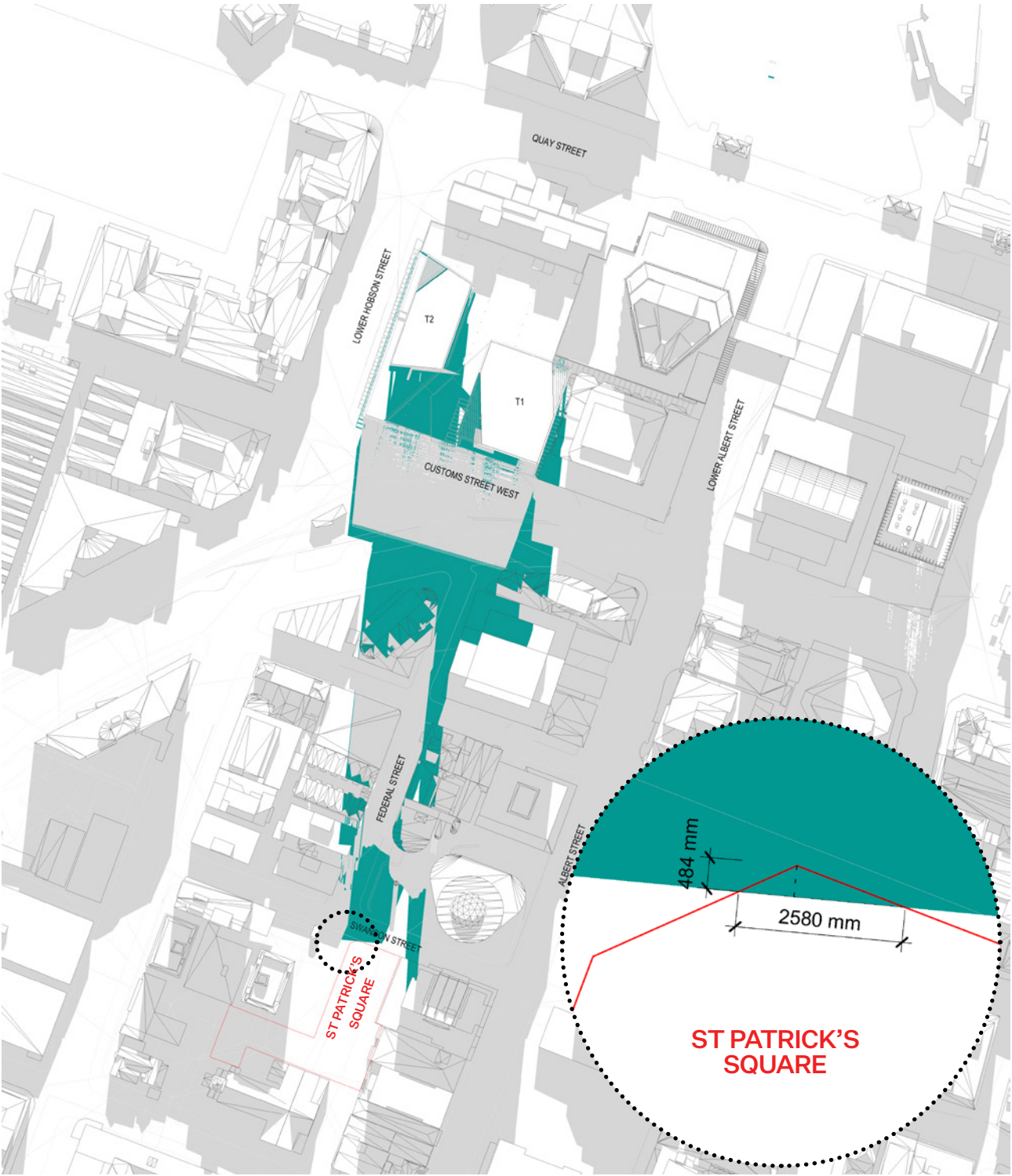


Detailed Shading Analysis Summary - T2

Shade present on St Patrick’s Square

	14/6	15/6	16/6	17/6	18/6	19/6	20/6	21/6	22/6	23/6	24/6	25/6	26/6	27/6	28/6	29/6	30/6	1/7
12:00 noon					x	x	x	x	x	x	x	x	x					
12:01 pm						x	x	x	x	x	x	x						
12:02 pm							x	x	x	x								
12:03 pm																		
12:04 pm																		
12:05 pm																		
8	Days per year with shade present*																	
3 minutes	Maximum time with shade present on affected days*																	
0.6 m²	Maximum shade area																	
22nd June	Day with observed largest shading impact																	

*Between 12:00noon - 2pm



Sun analysis - 22nd June, 12:00 noon



