

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

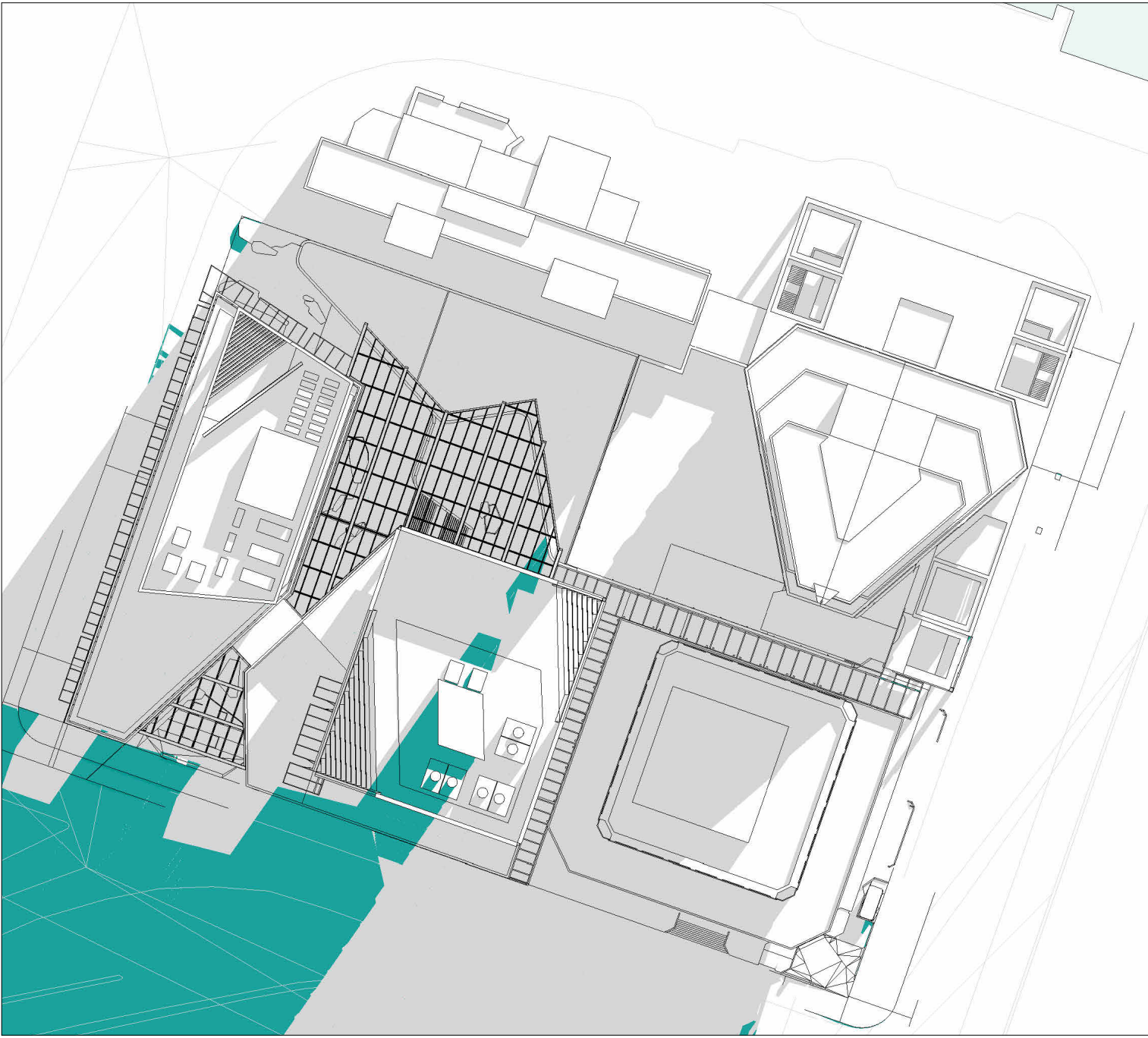
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Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

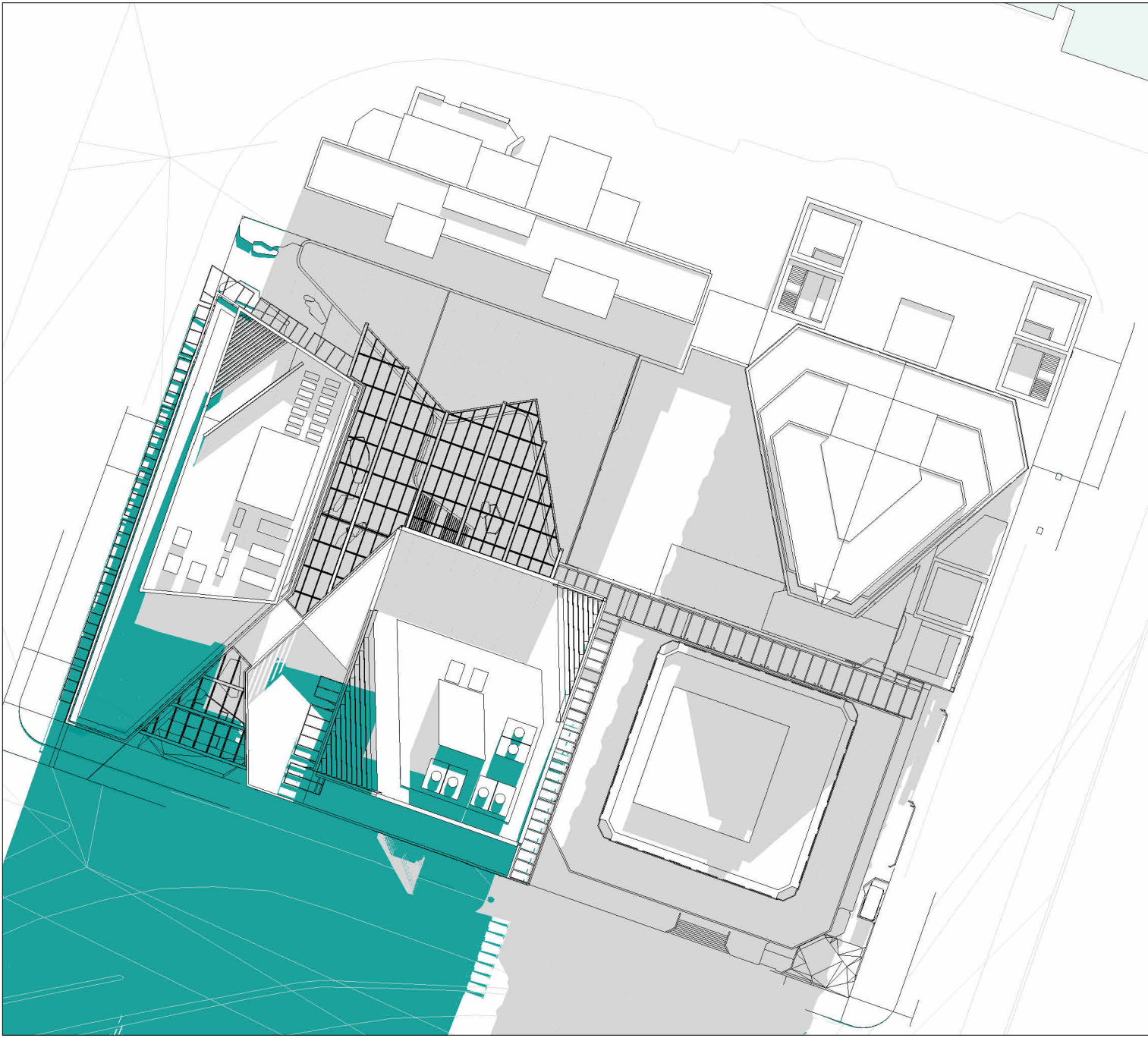
FTA-81-024

Revision

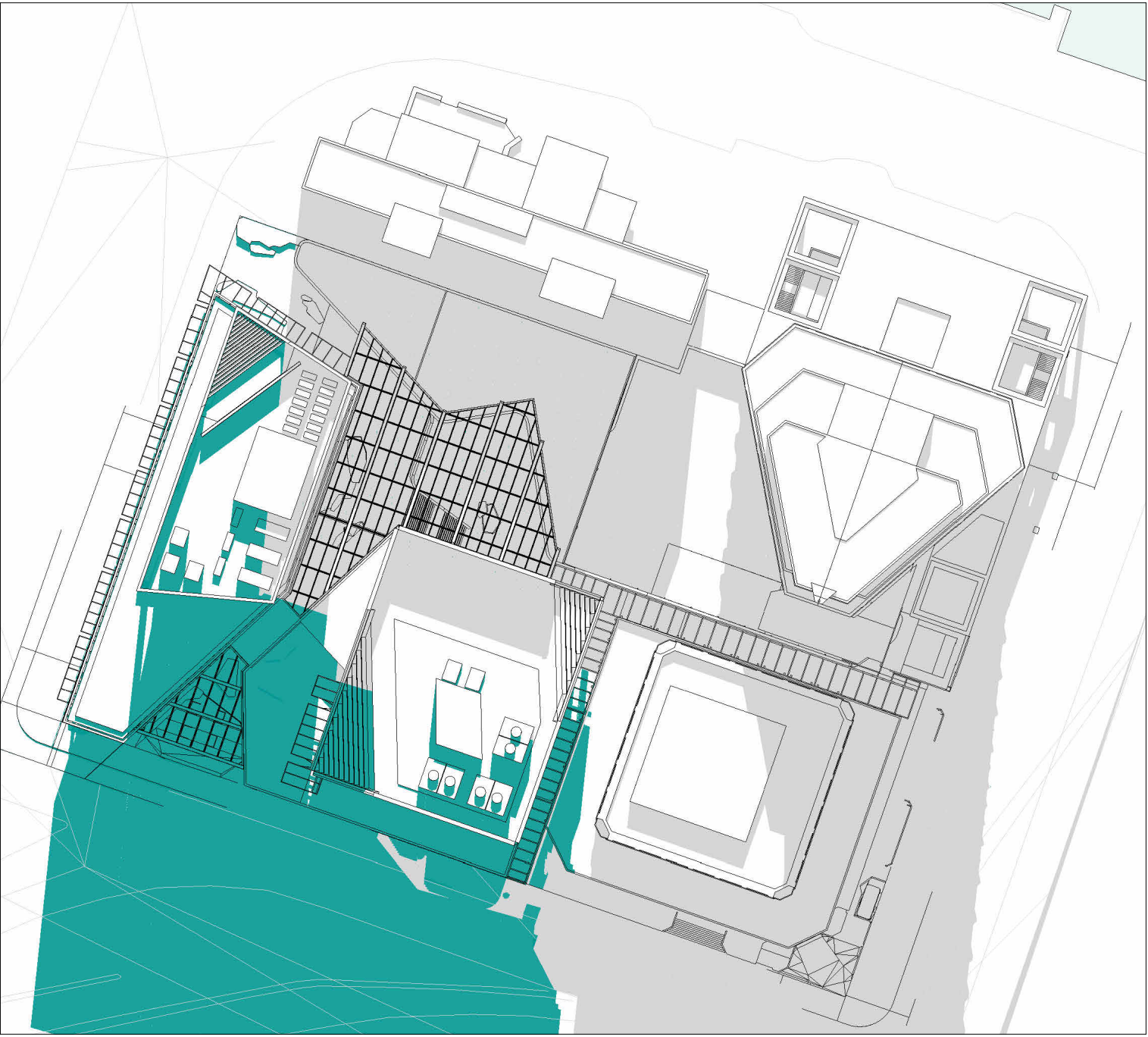
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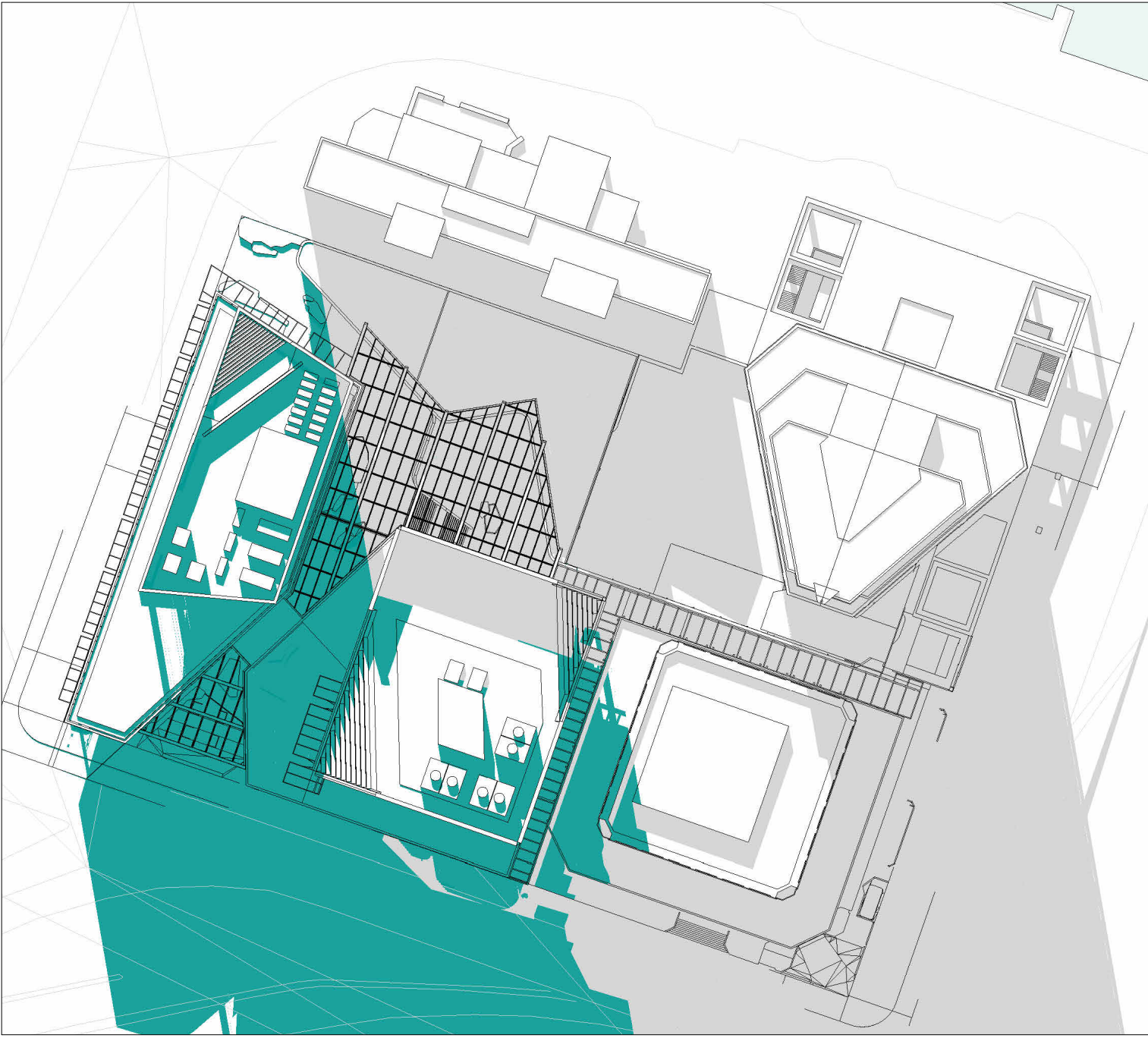
Jun 21 - 10_00 AM



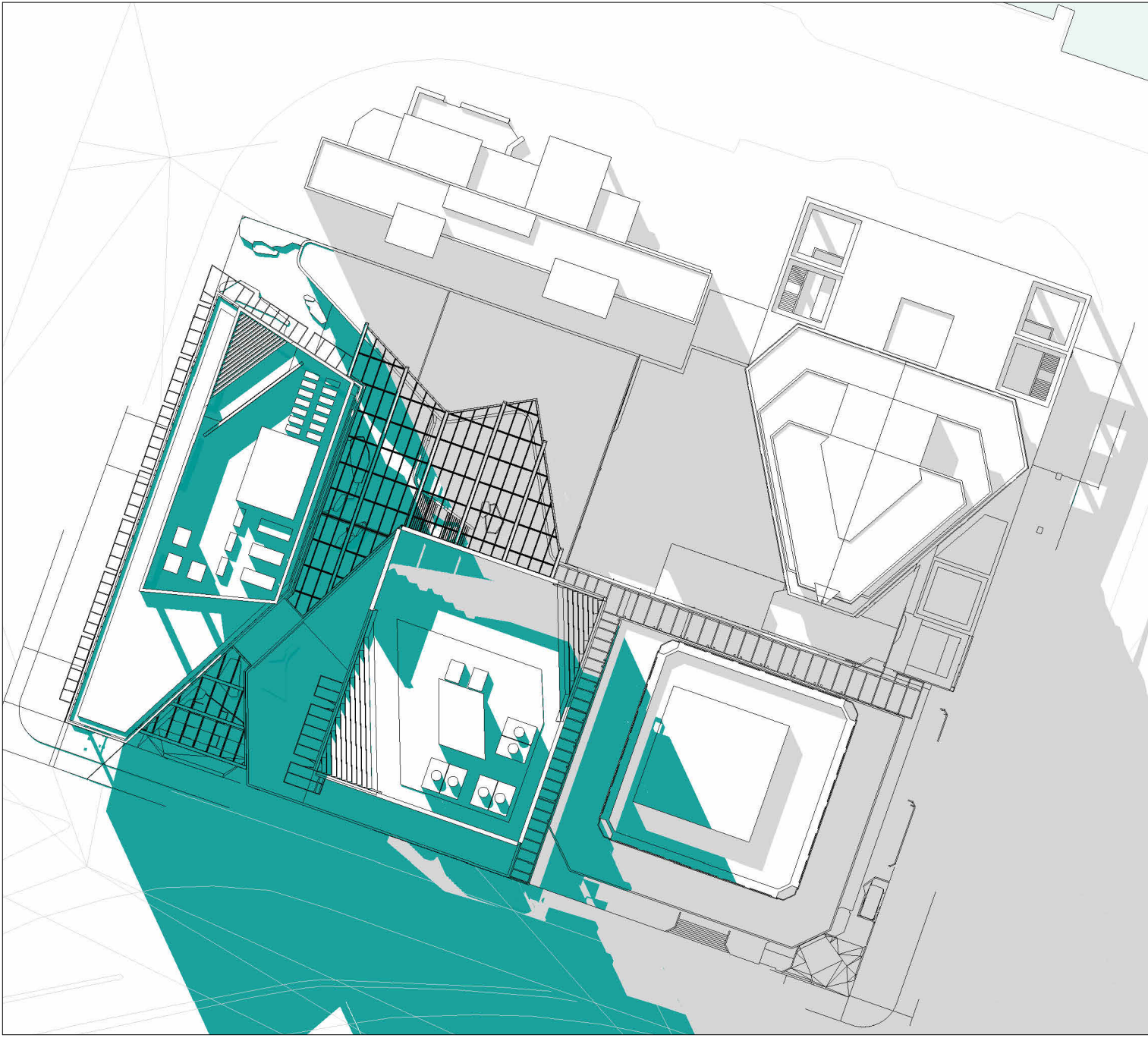
Jun 21 - 11_00 AM



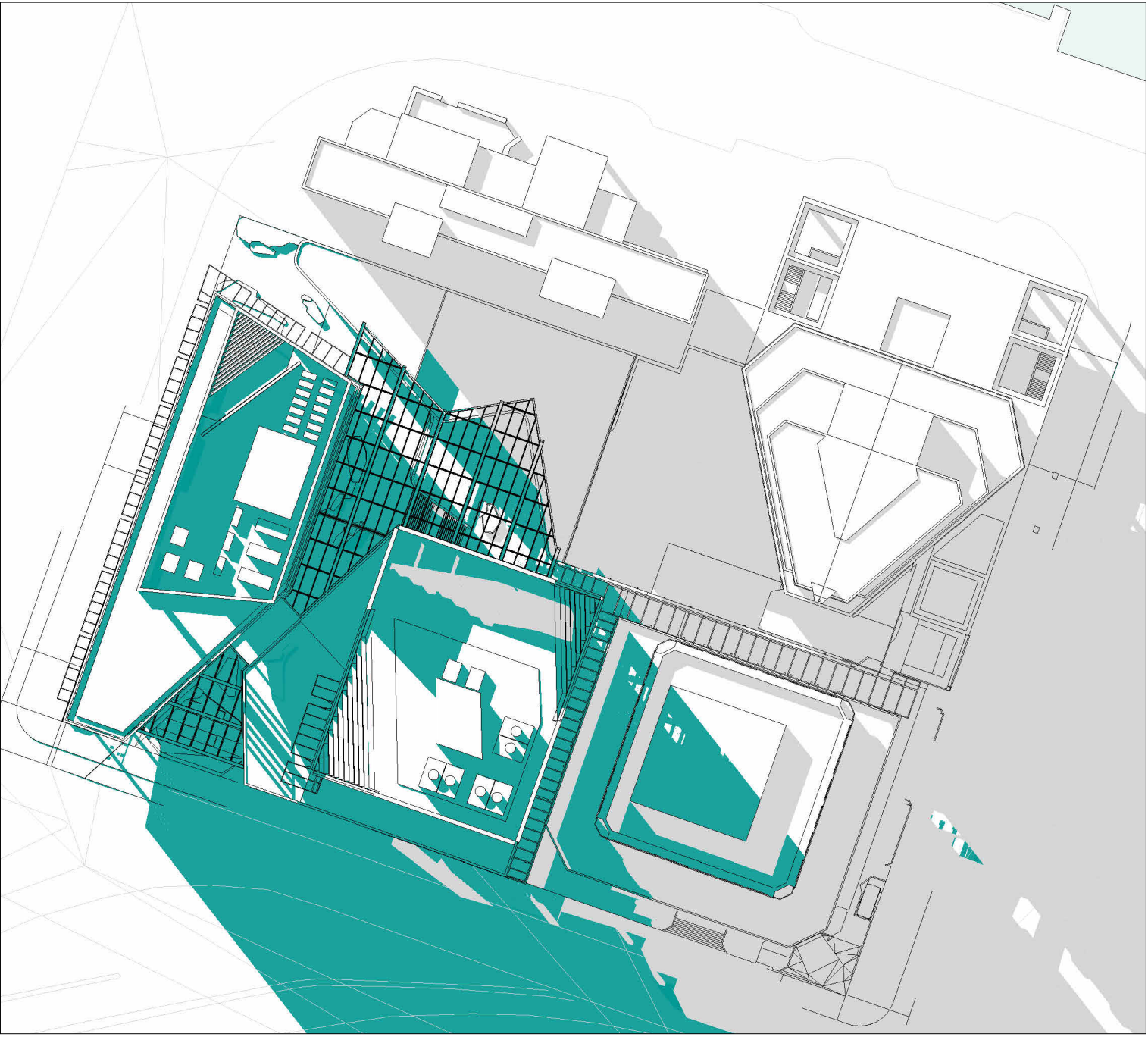
Jun 21 - 12_00 PM



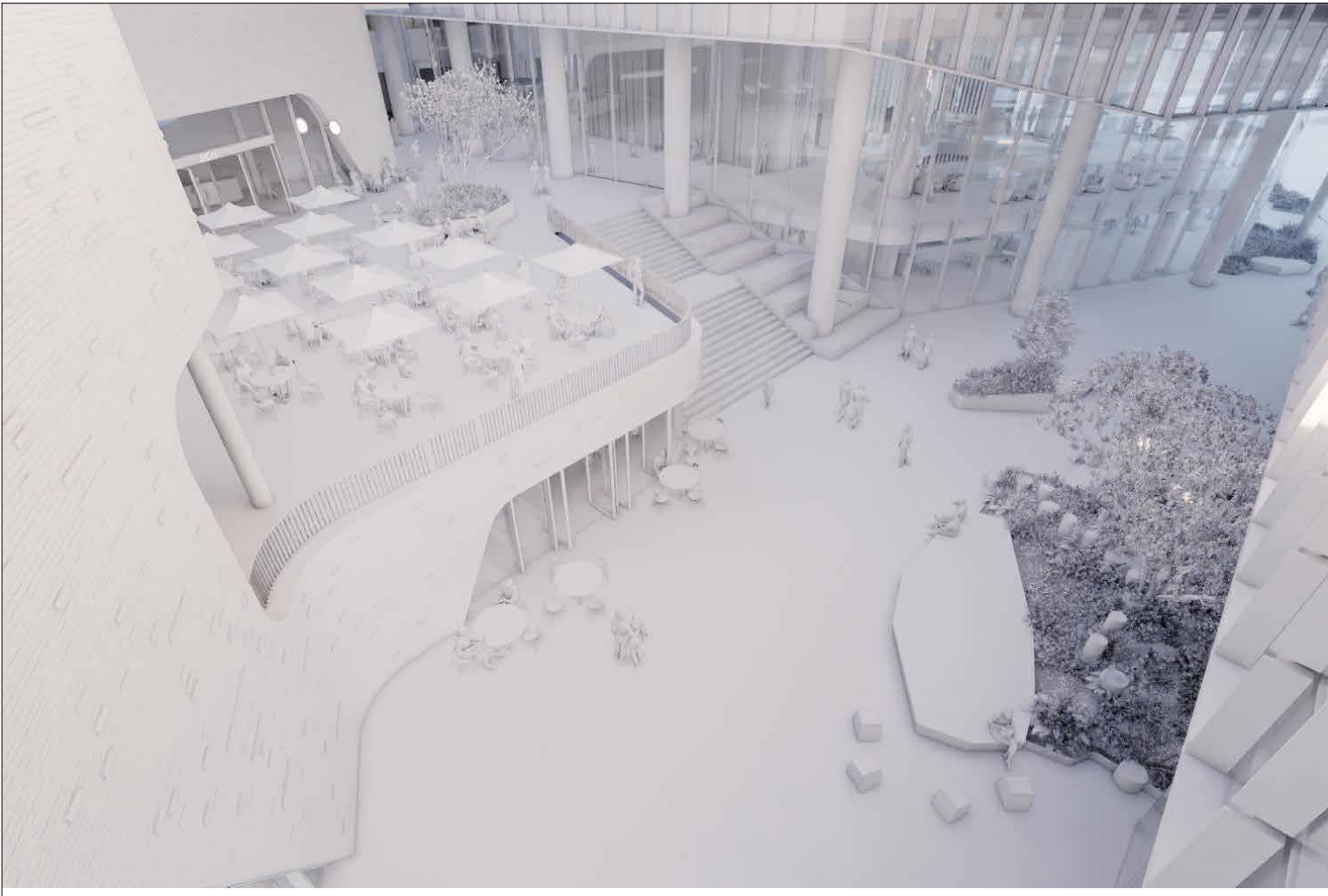
Jun 21 - 01_00 PM



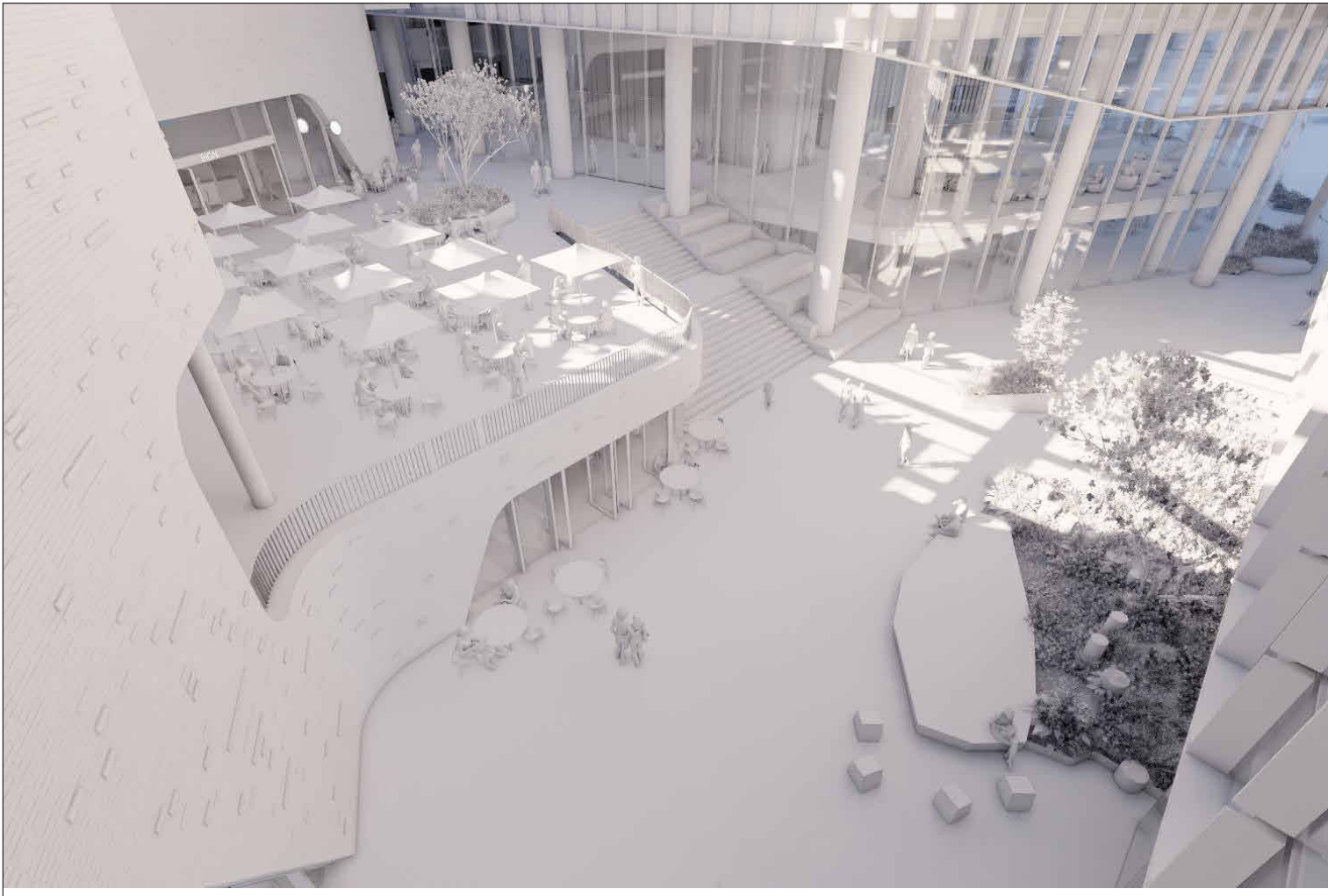
Jun 21 - 02_00 PM



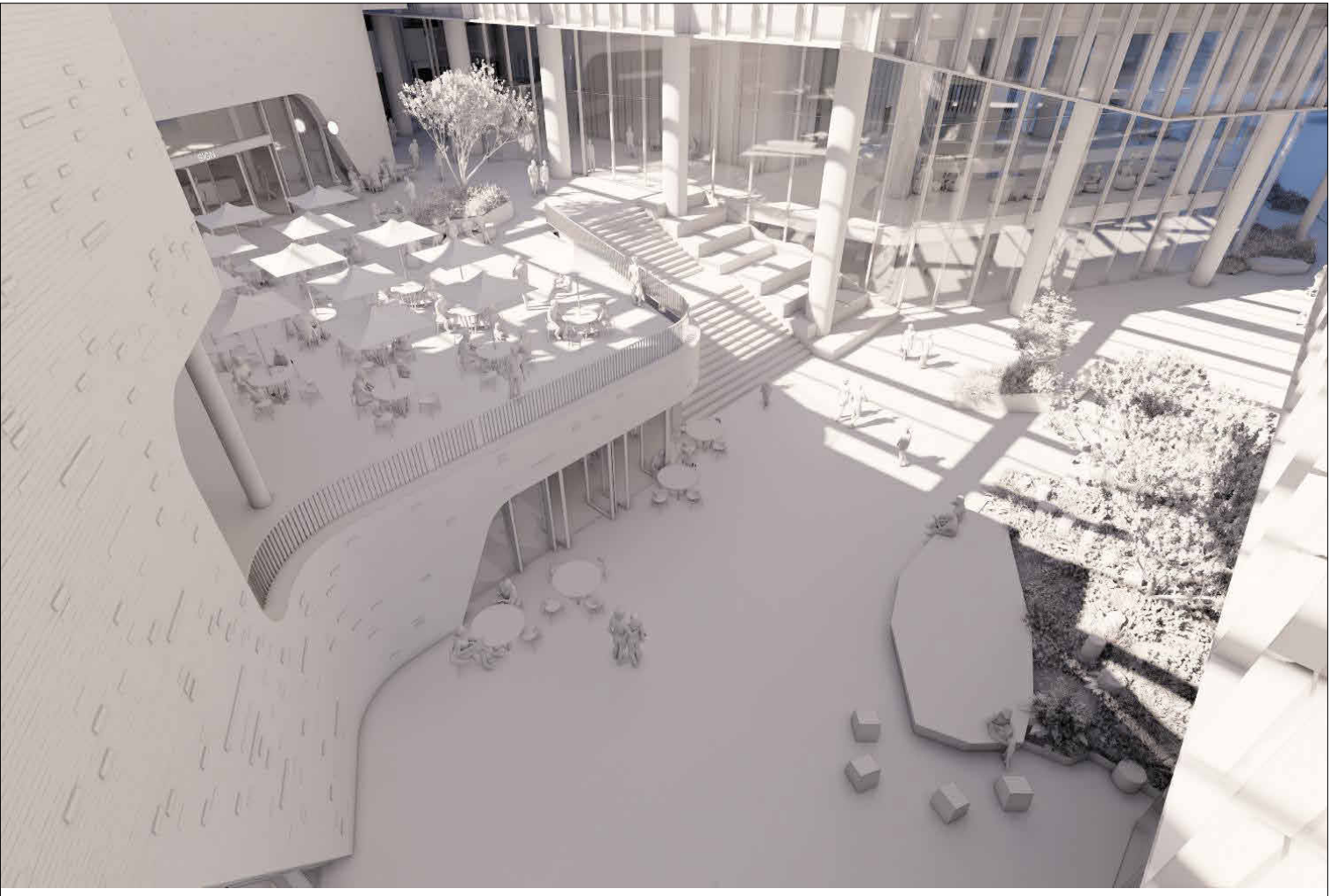
Jun 21 - 03_00 PM



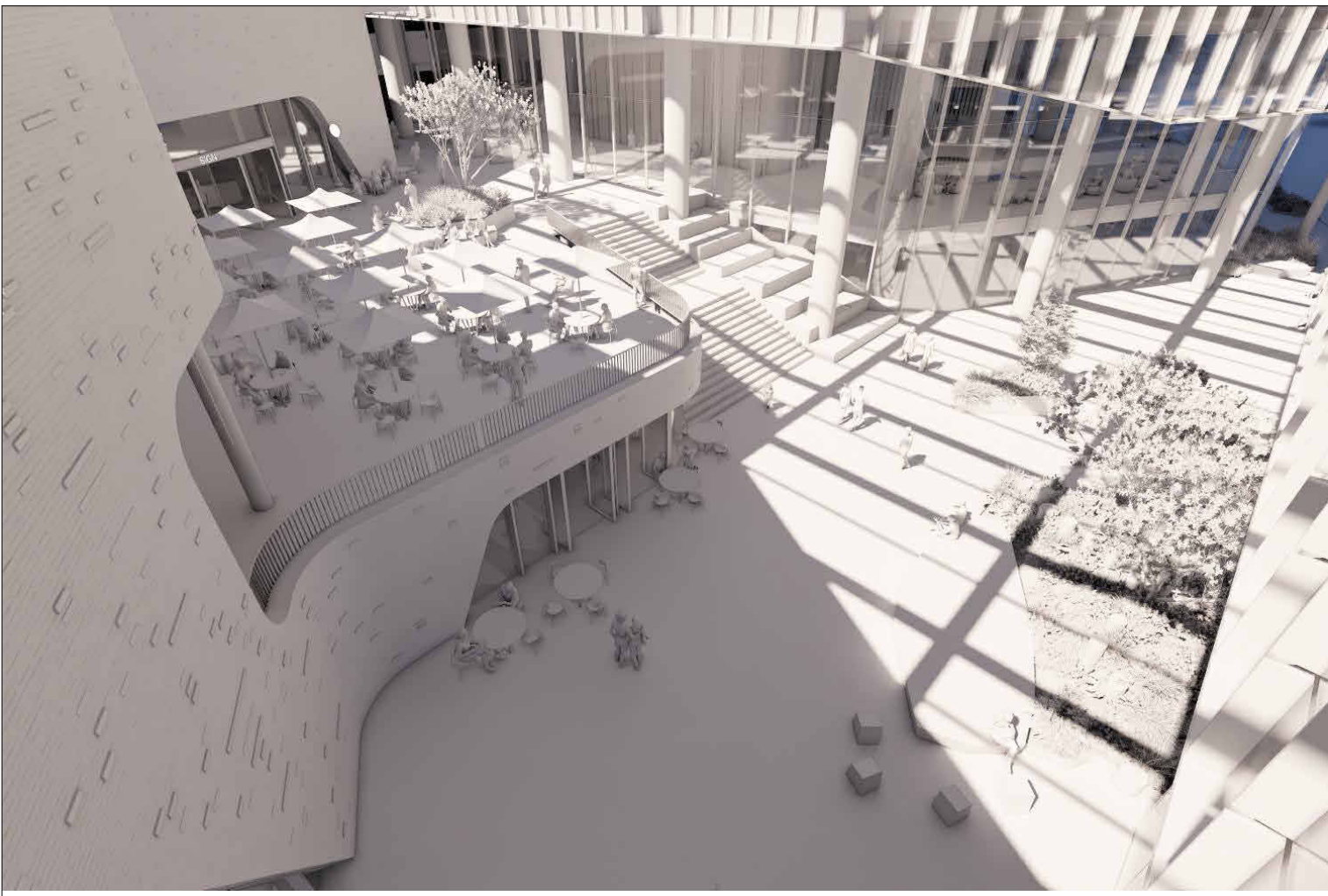
Sep 23 - 08_00 AM



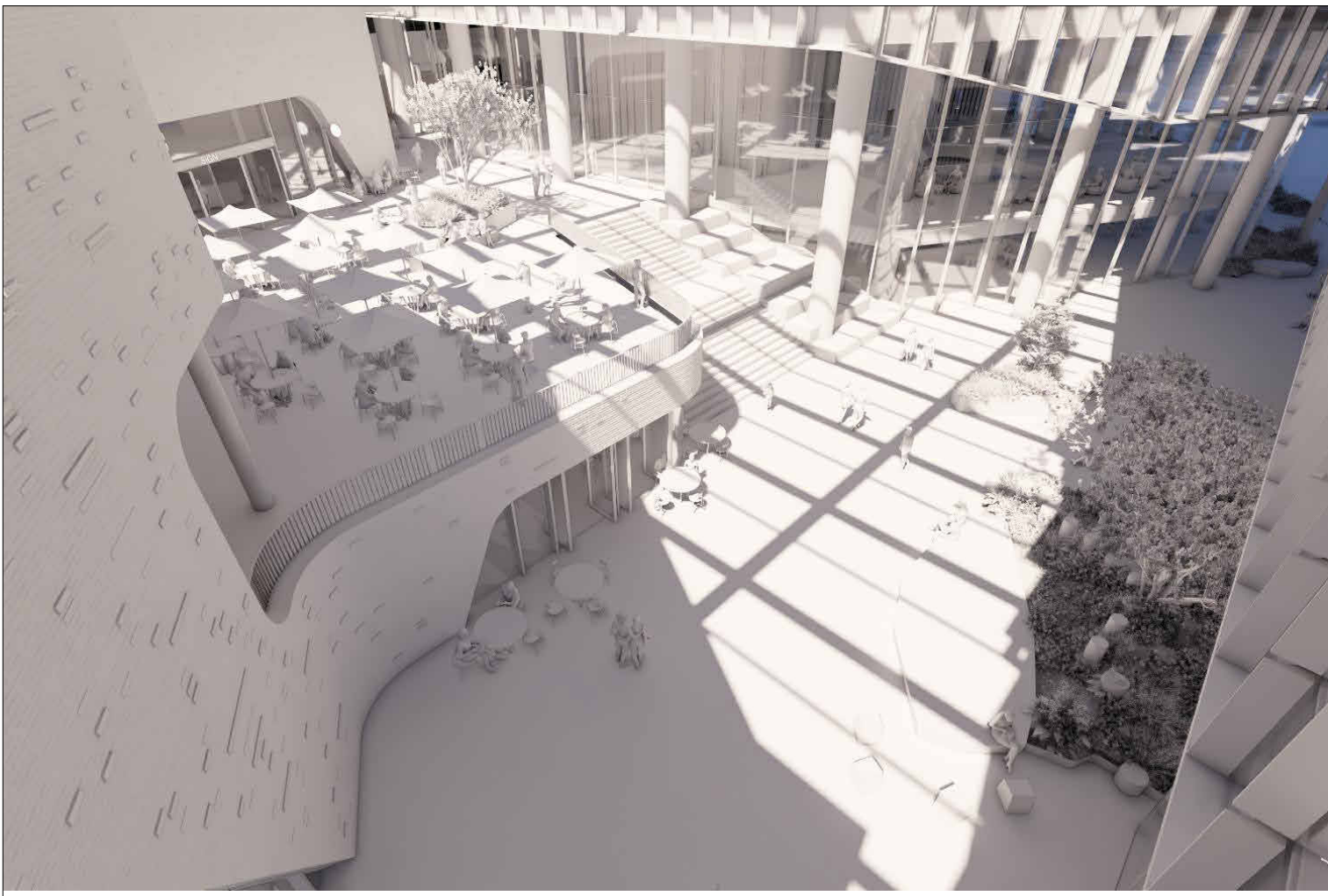
Sep 23 - 09_00 AM



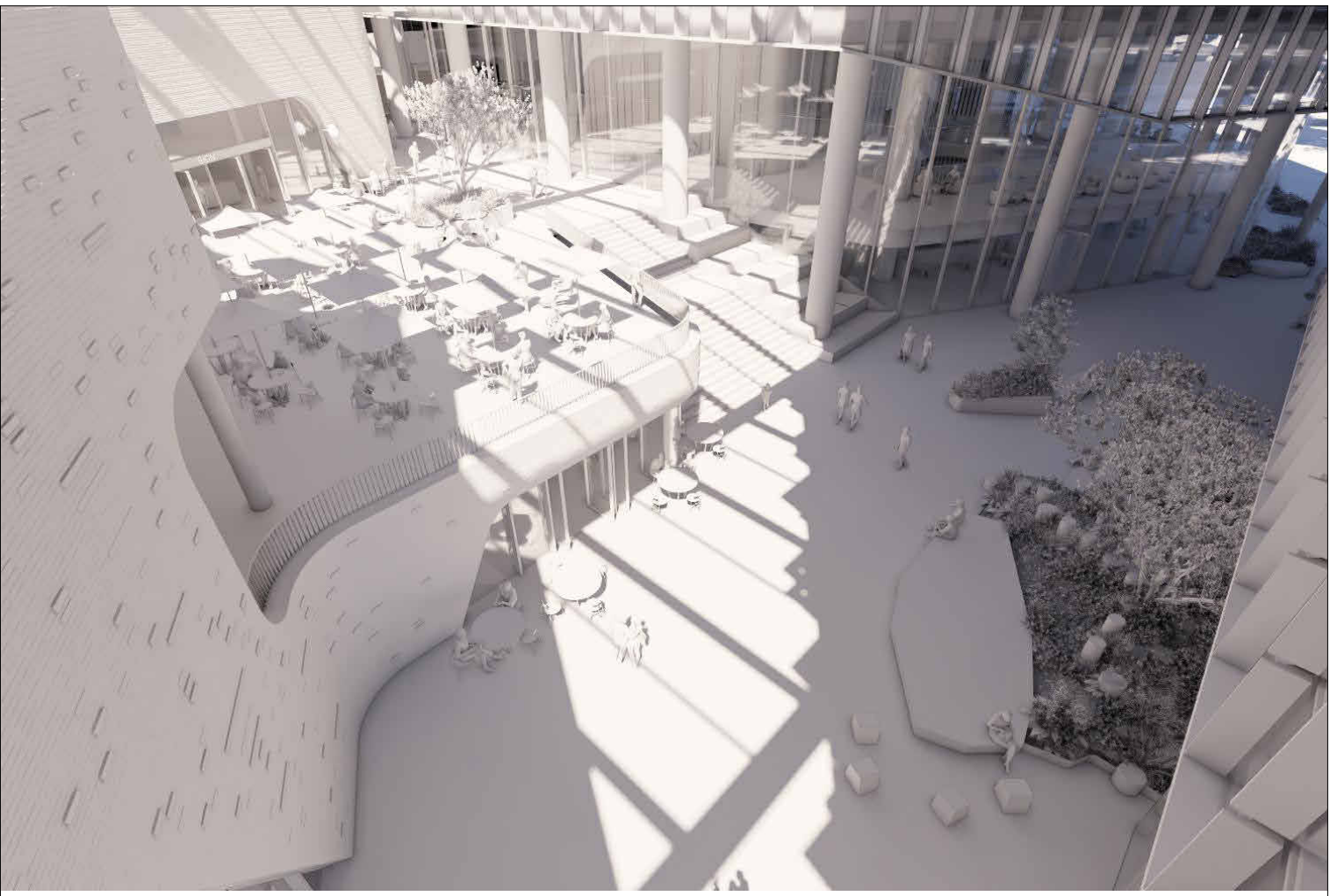
Sep 23 - 10_00 AM



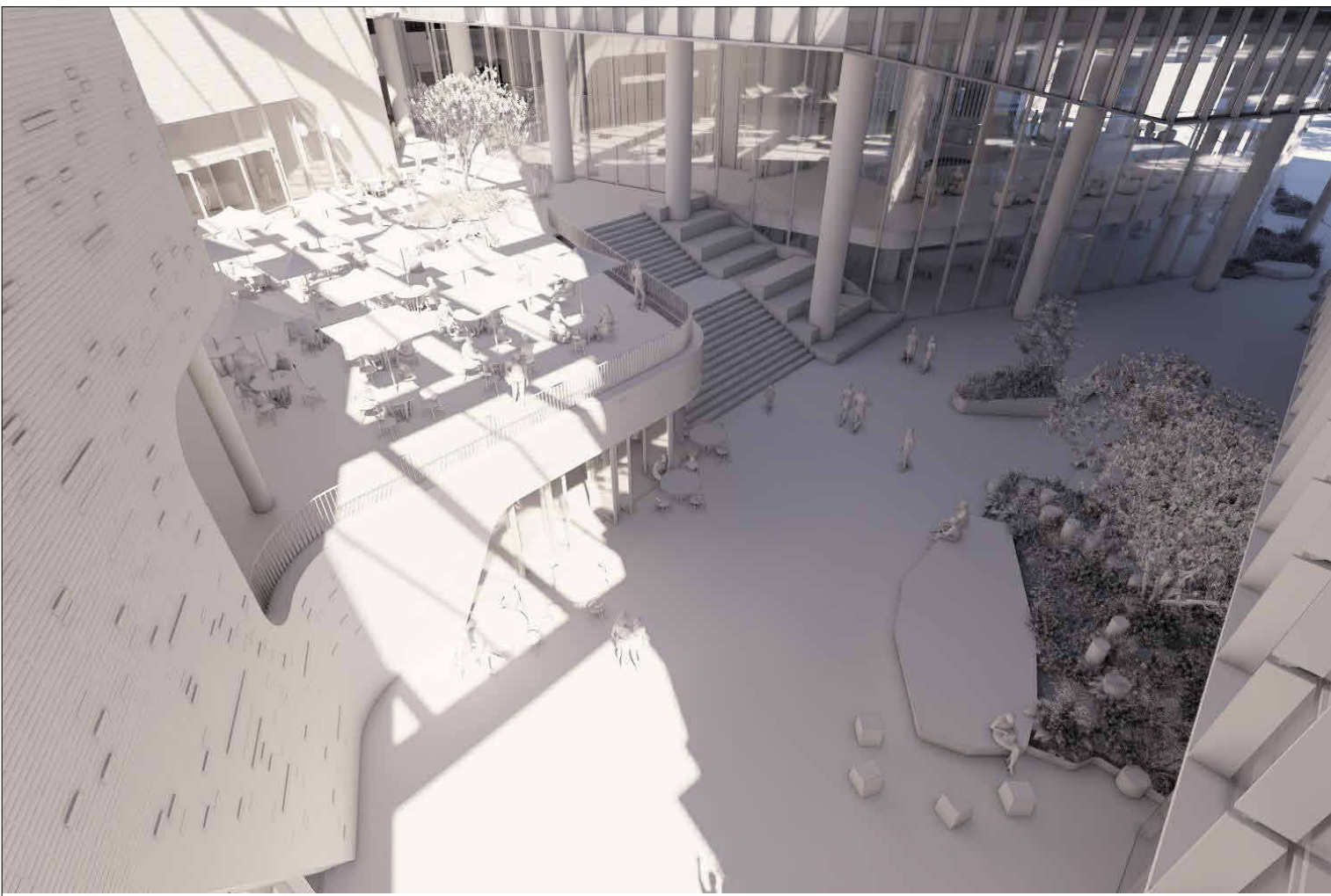
Sep 23 - 11_00 AM



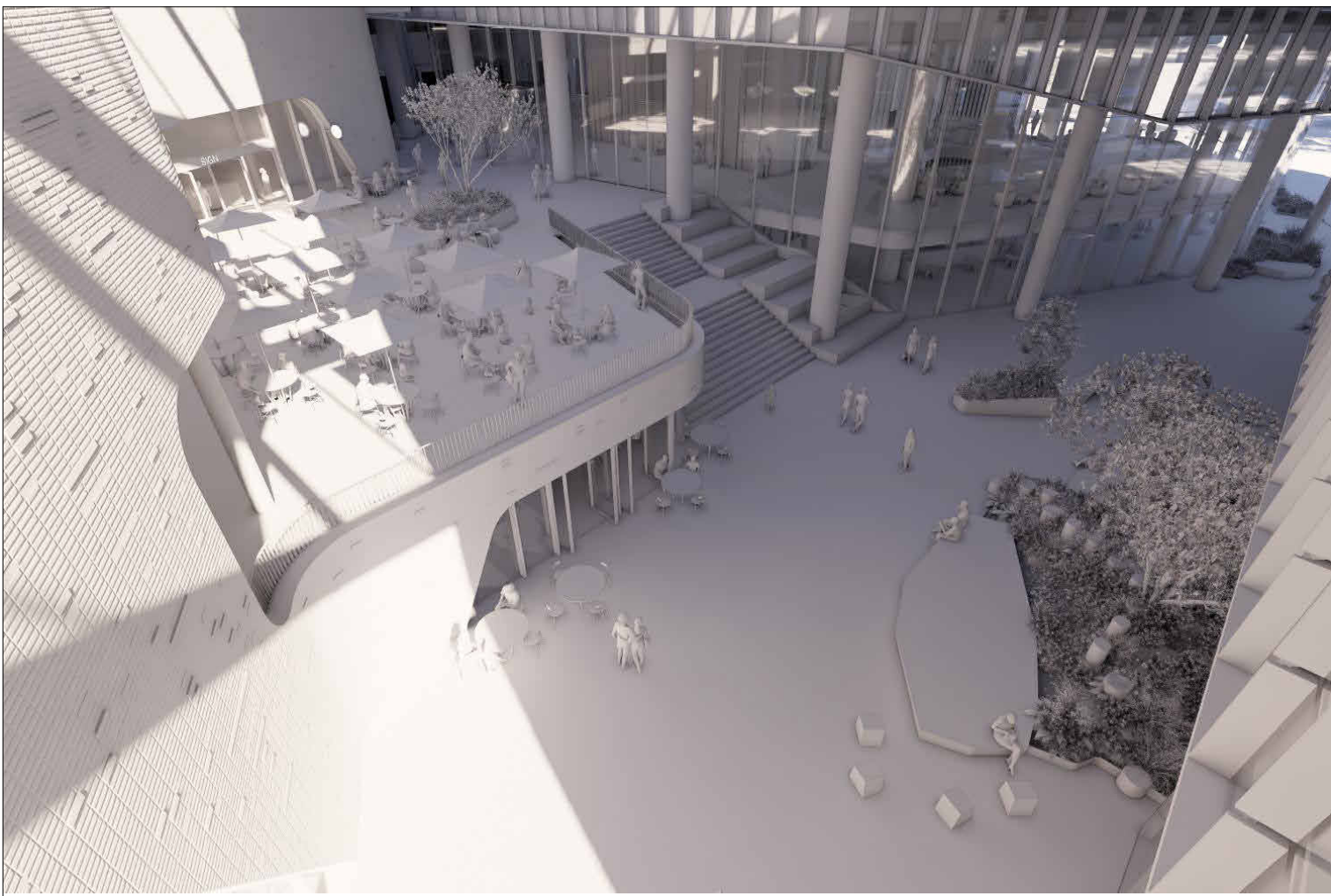
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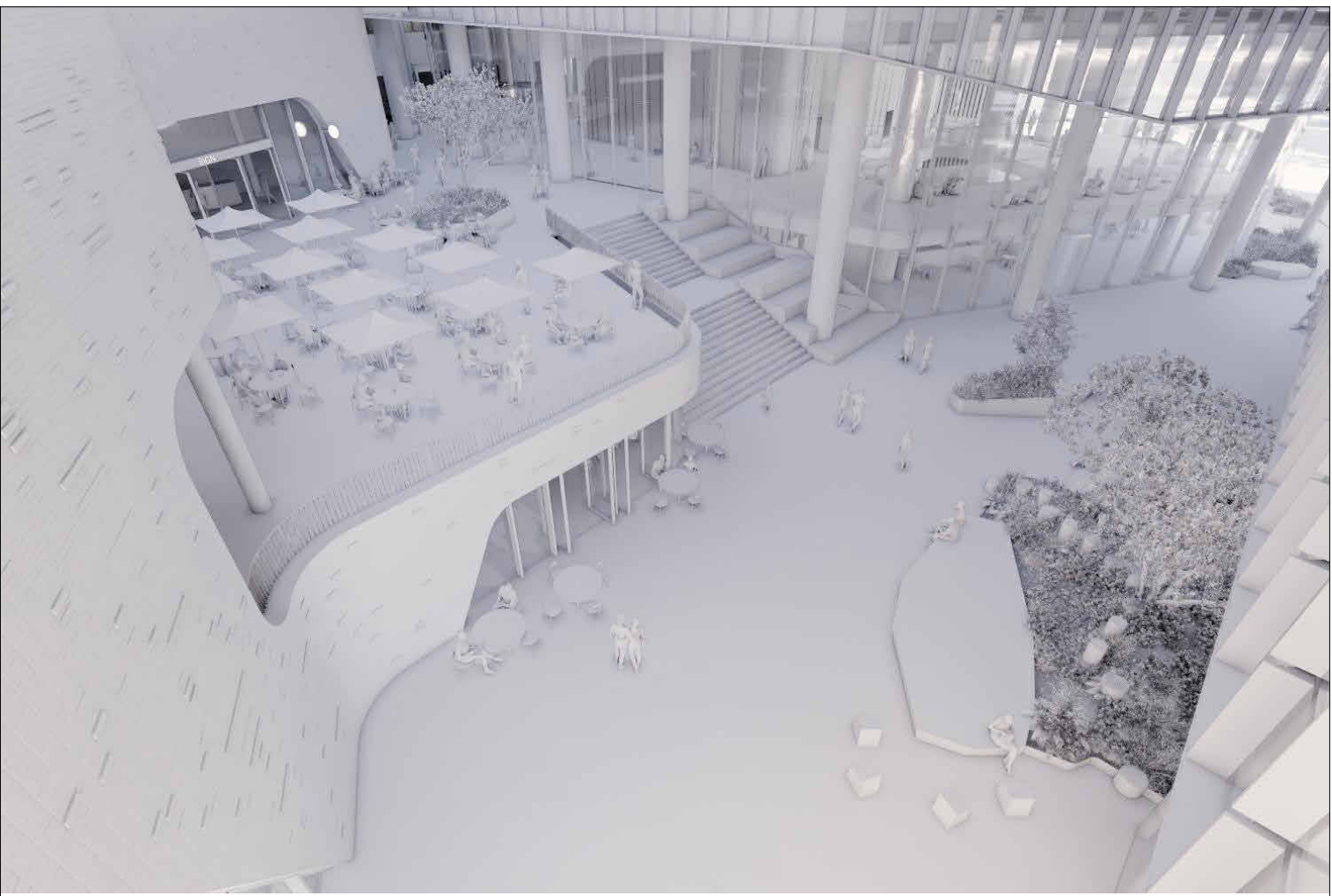
Sep 23 - 01_00 PM



Sep 23 - 02_00 PM



Sep 23 - 03_00 PM



Sep 23 - 04_00 PM

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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

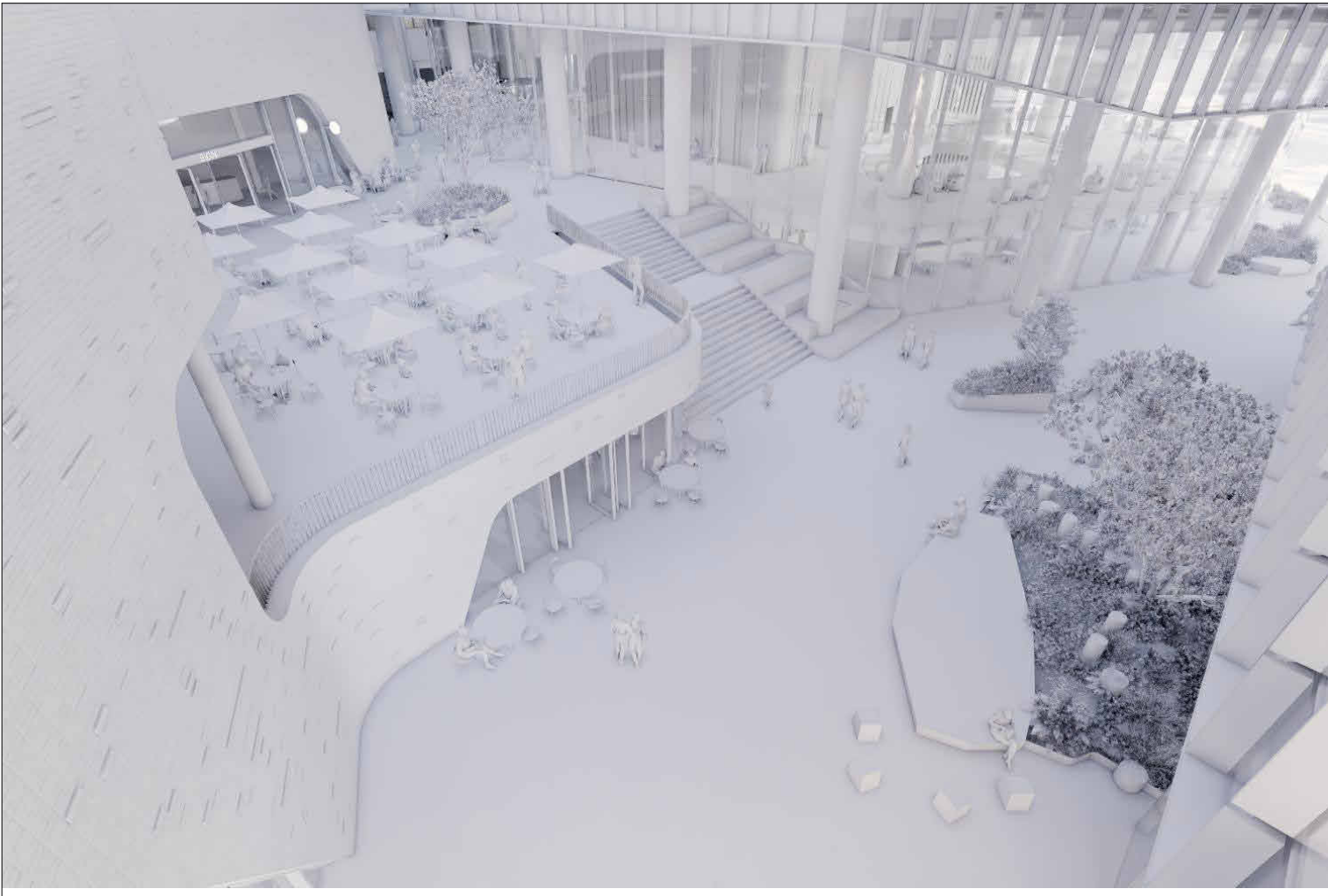
Scale	@ A1
Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

FTA-81-025

Revision

D



Sep 23 - 05_00 PM

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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

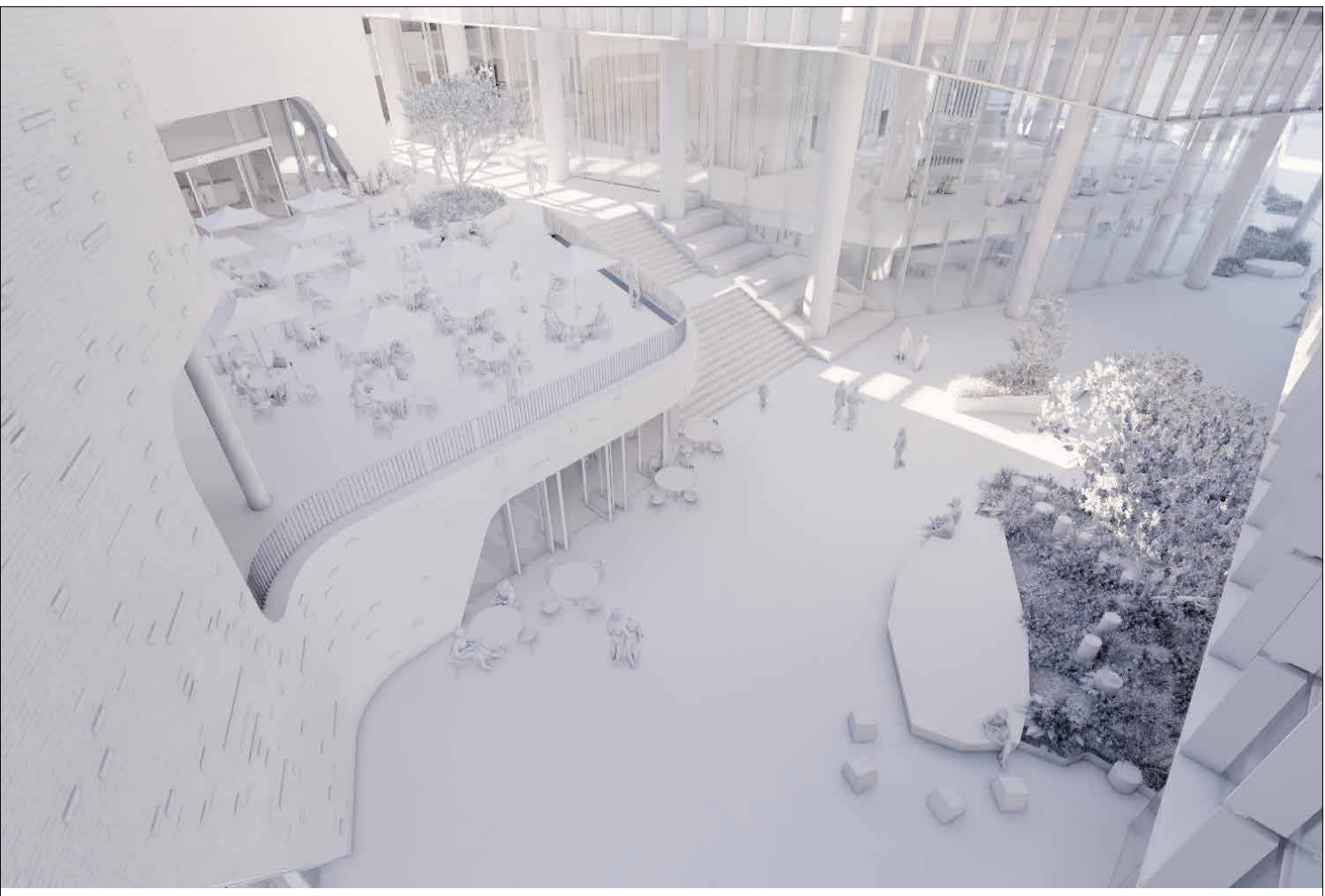
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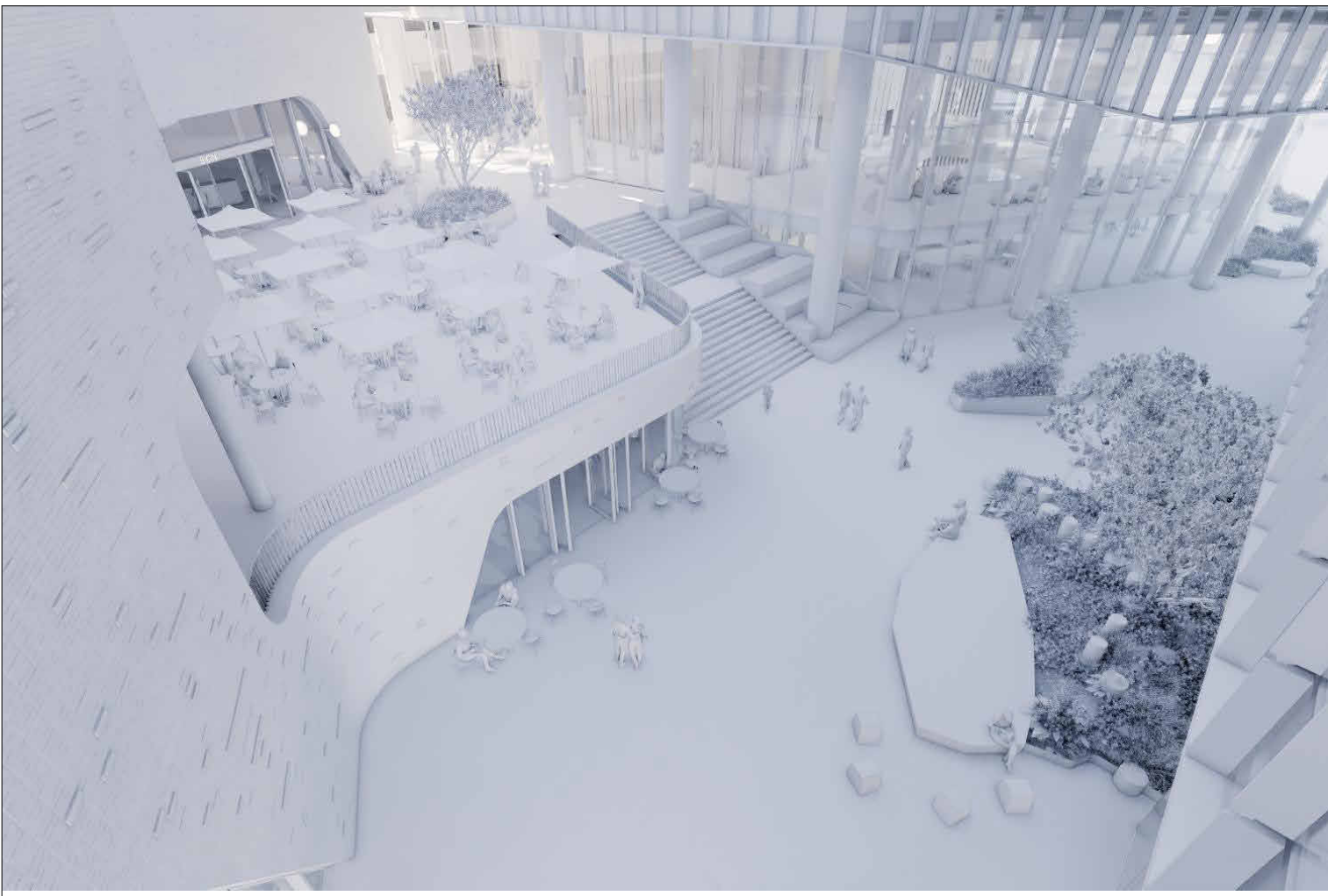
Dec 21 - 06_03 AM (NZDT)



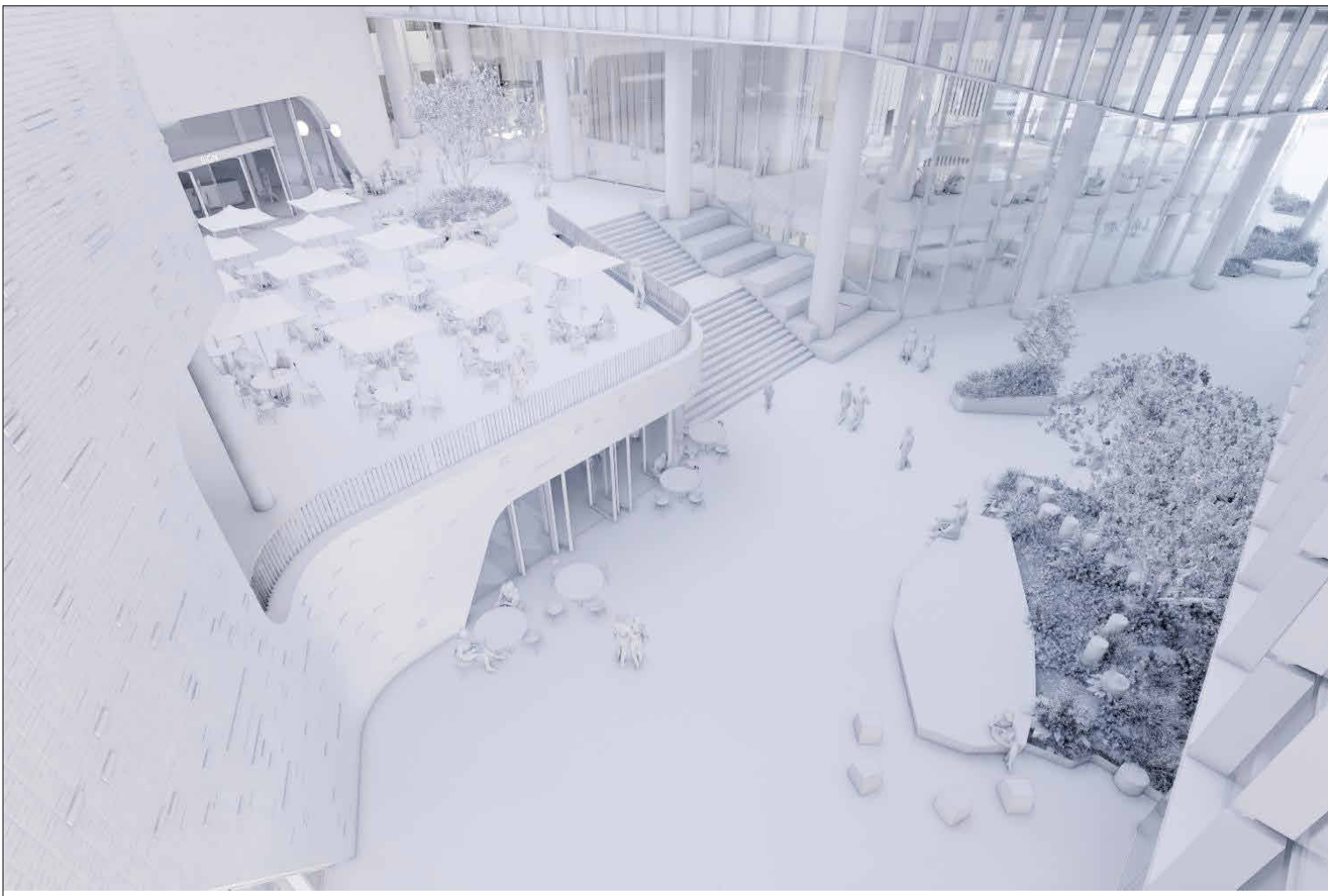
Dec 21 - 07_00 AM (NZDT)



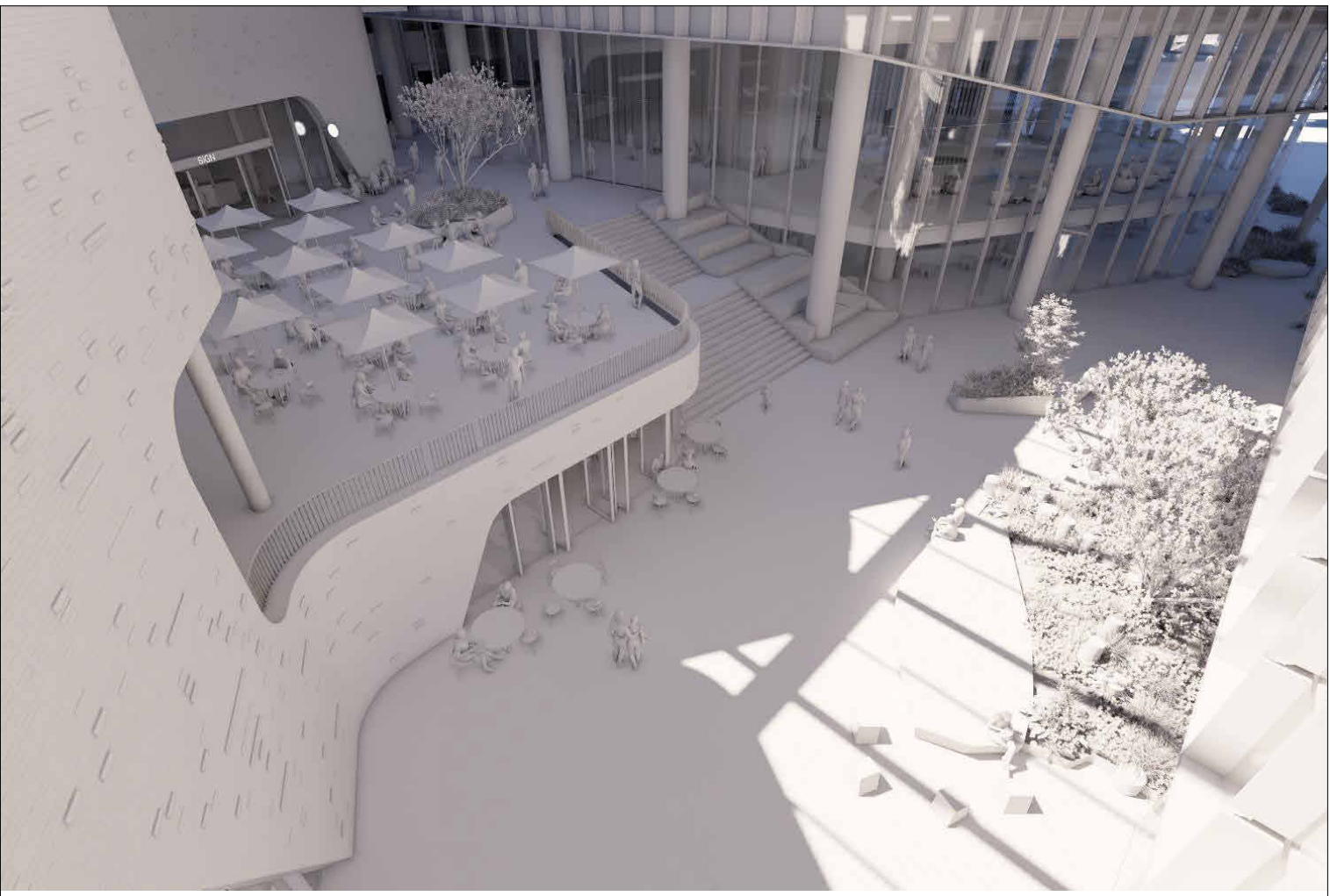
Dec 21 - 08_00 AM (NZDT)



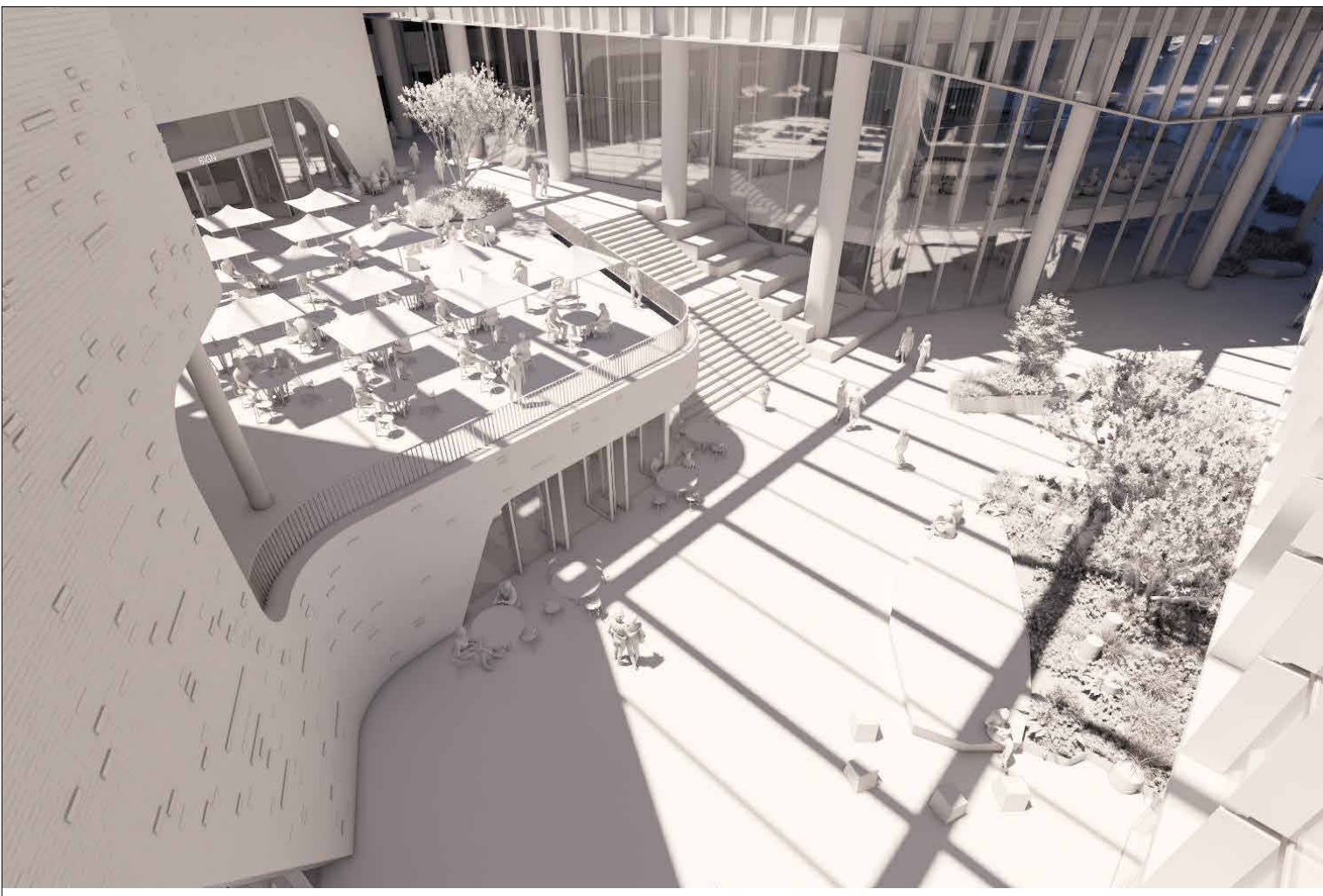
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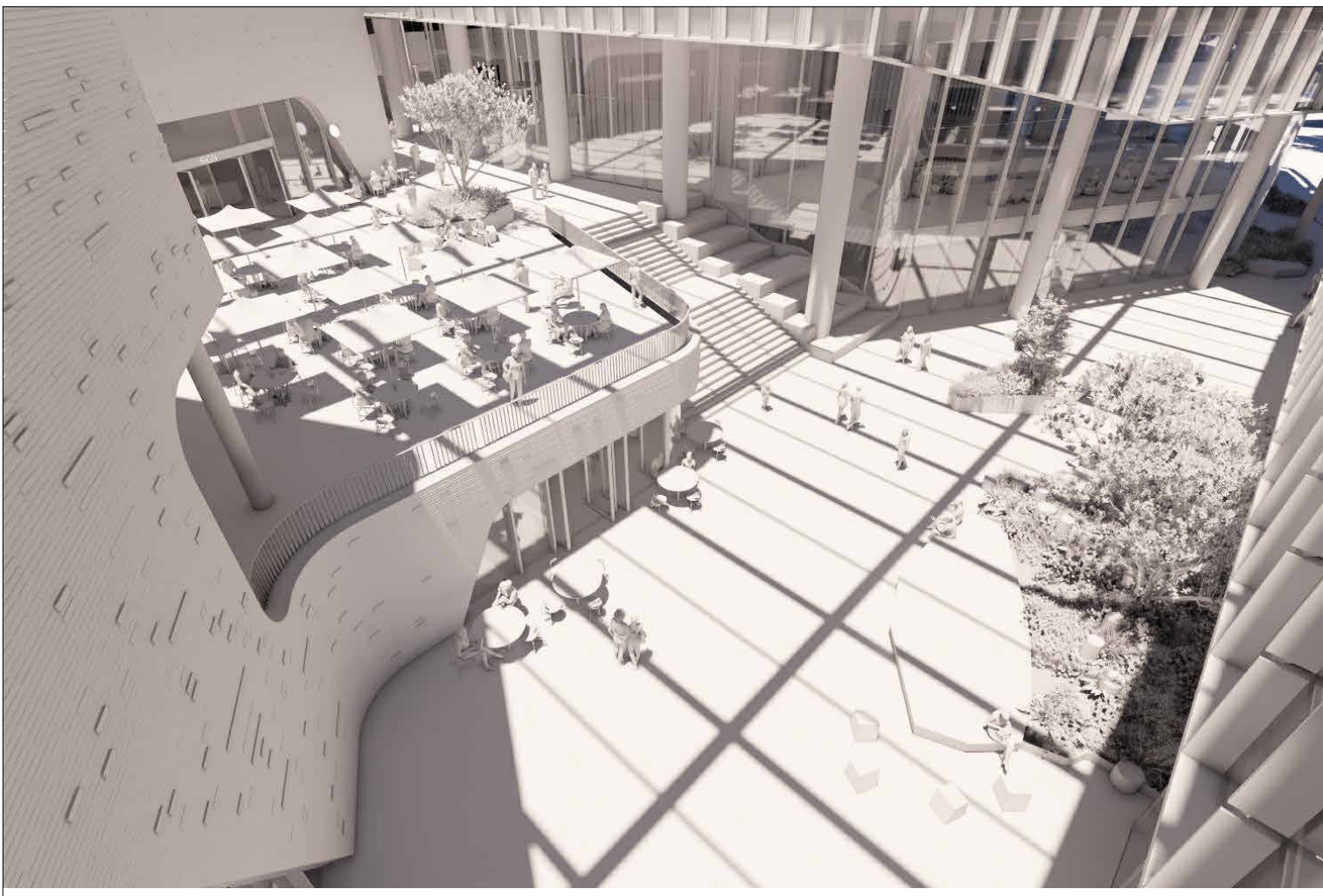
Dec 21 - 10_00 AM (NZDT)



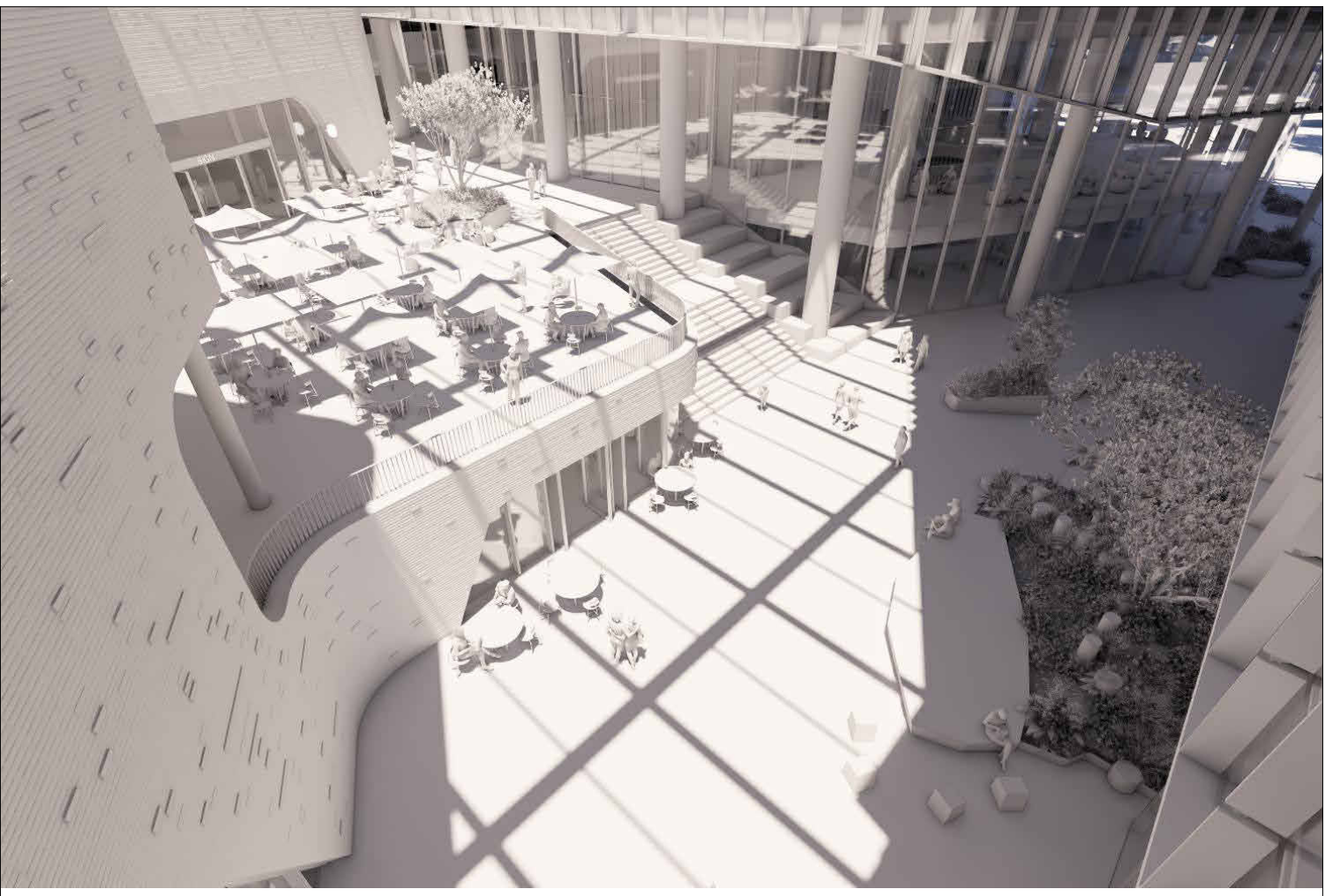
Dec 21 - 11_00 AM (NZDT)



Dec 21 - 12_00 PM (NZDT)



Dec 21 - 01_00 PM (NZDT)



Dec 21 - 01_30 PM (NZDT)

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Project Title

DOWNTOWN
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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

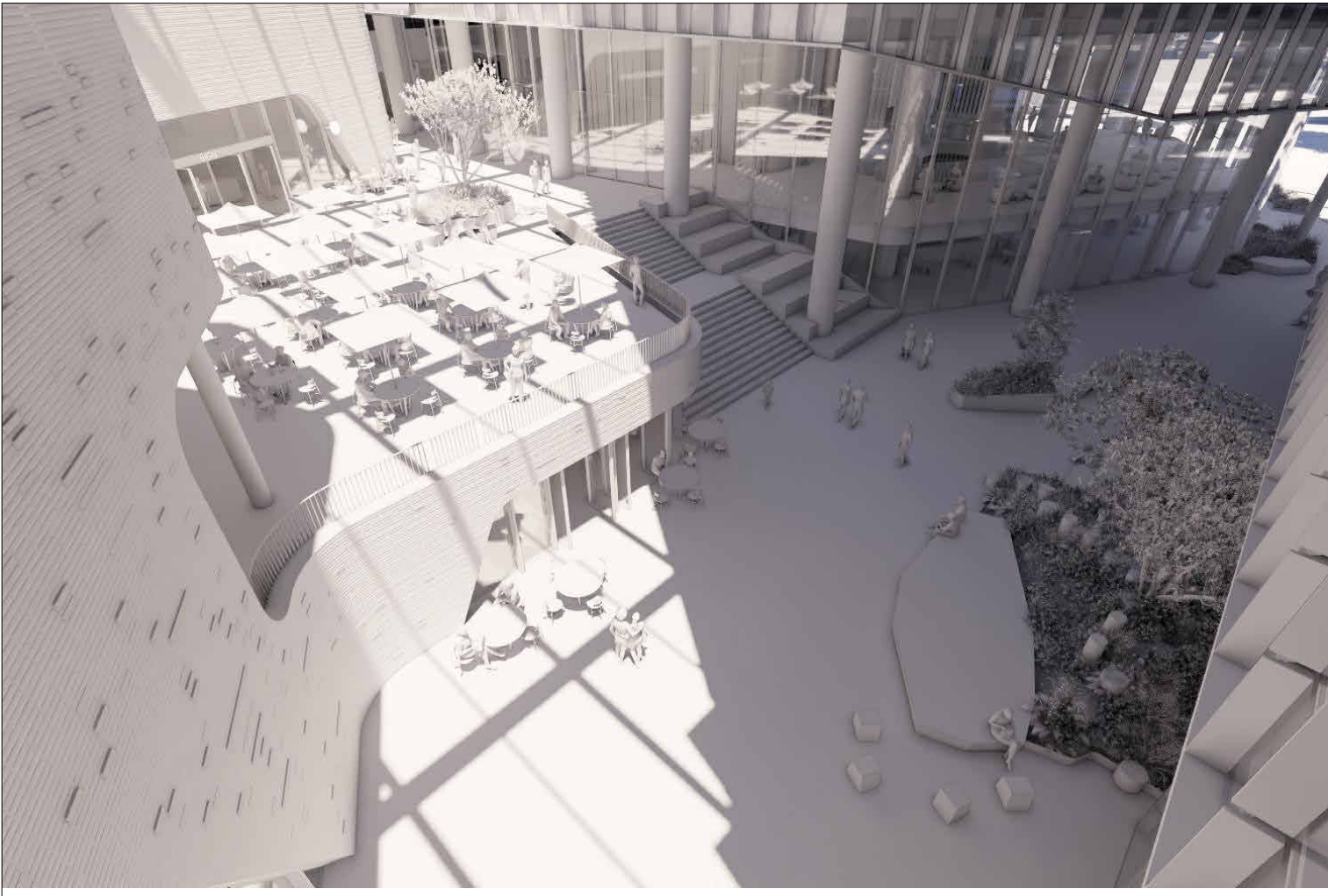
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Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

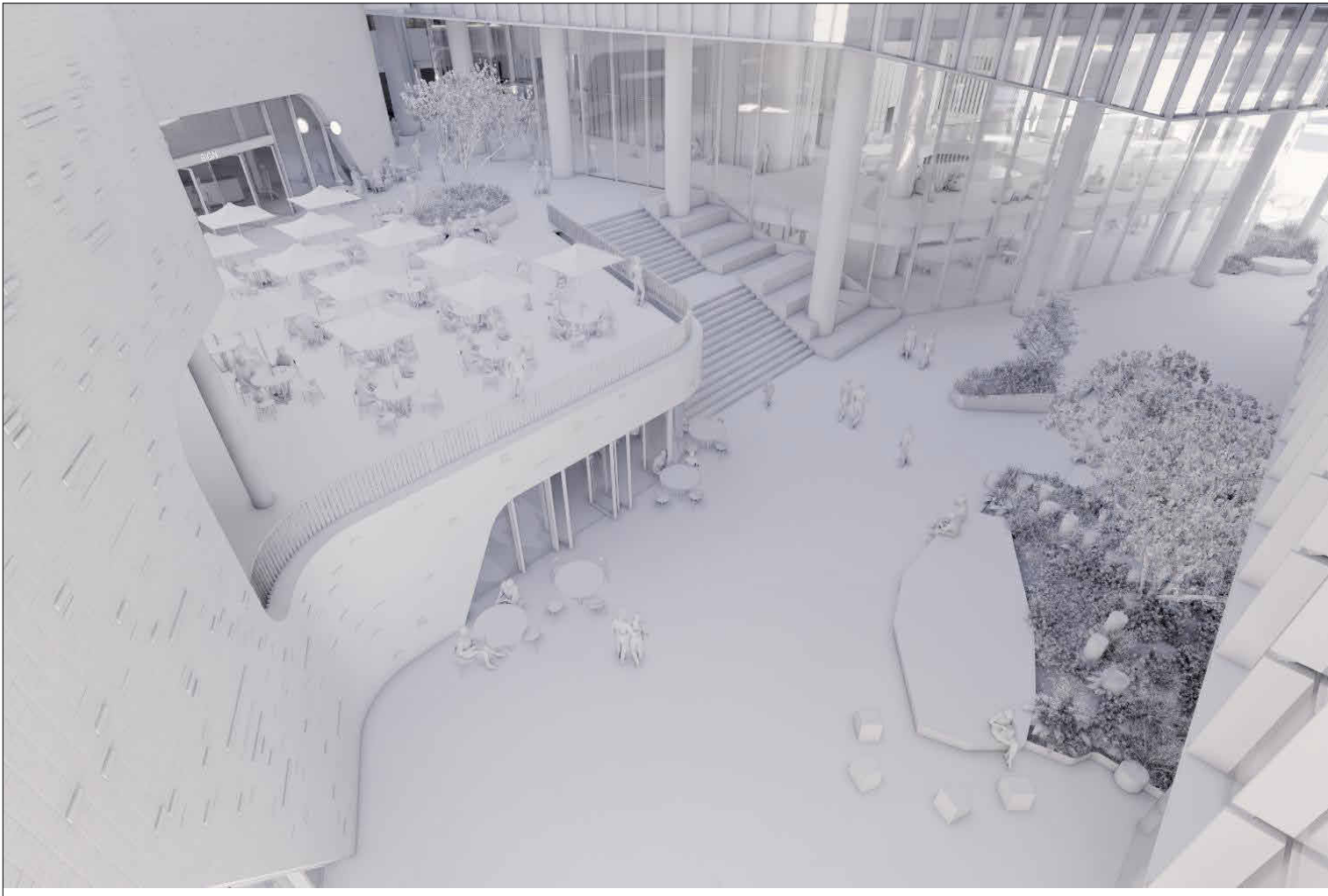
FTA-81-027

Revision

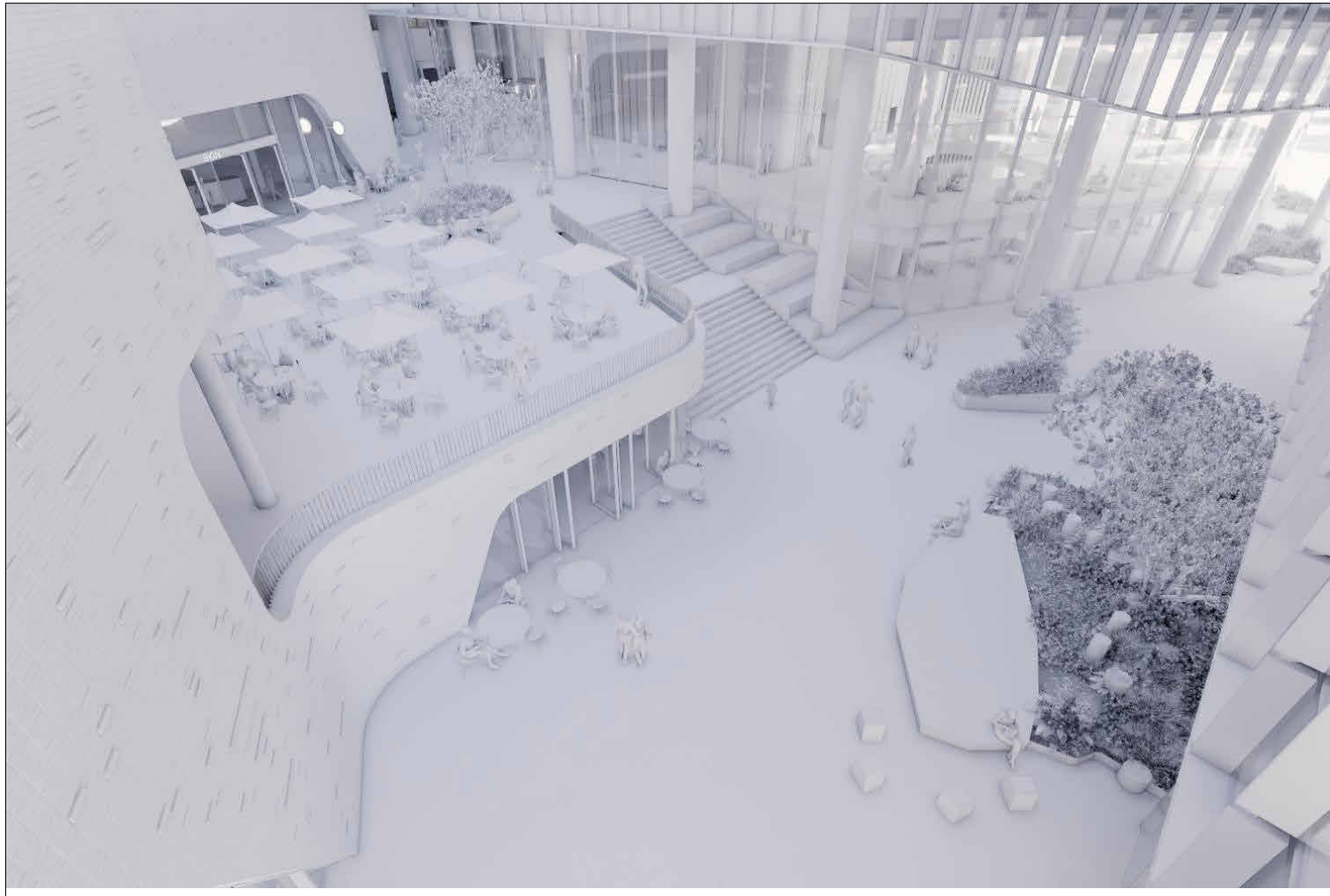
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Dec 21 - 02_00 PM (NZDT)



Dec 21 - 03_00 PM (NZDT)



Dec 21 - 04_00 PM (NZDT)

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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

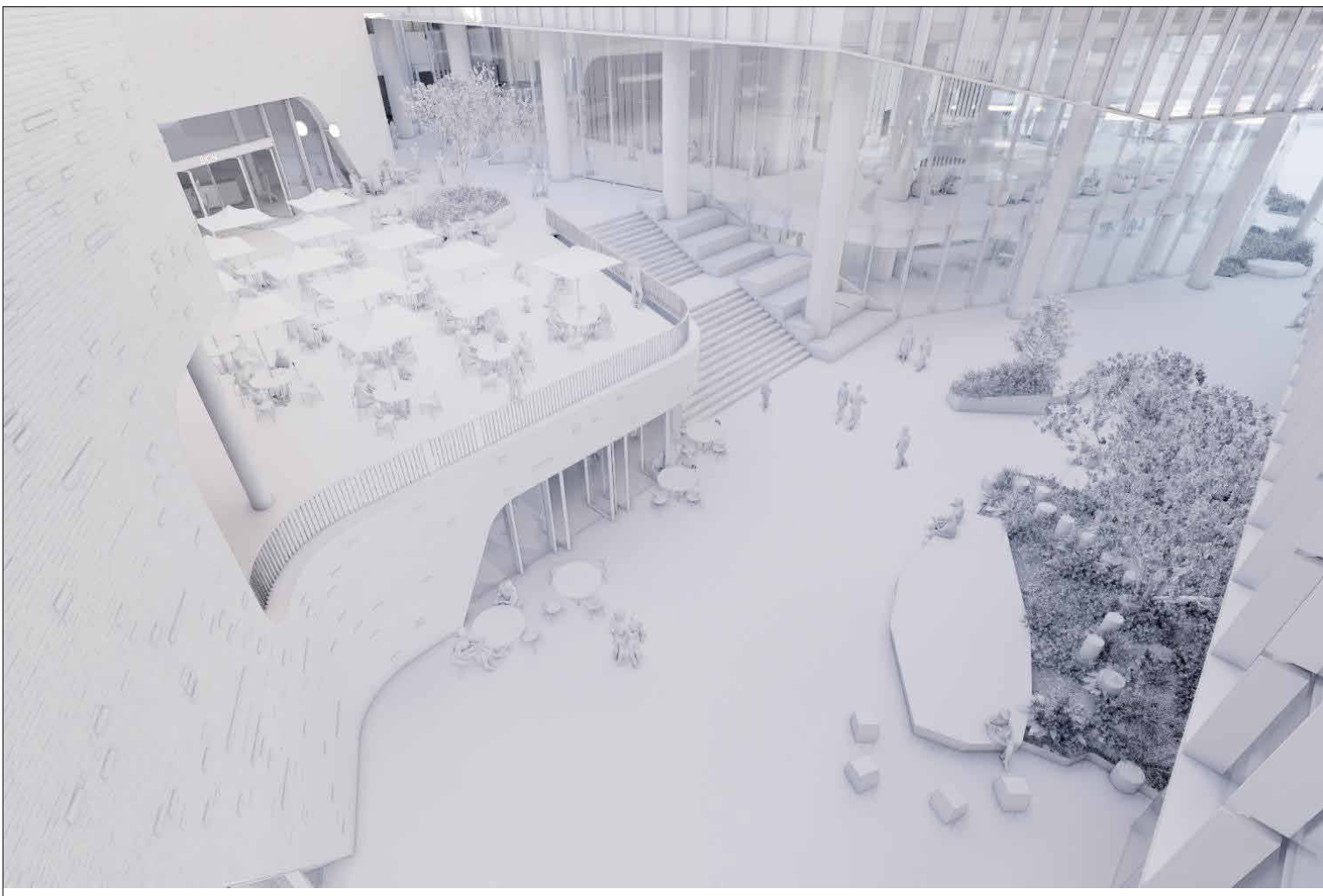
FTA-81-028

Revision

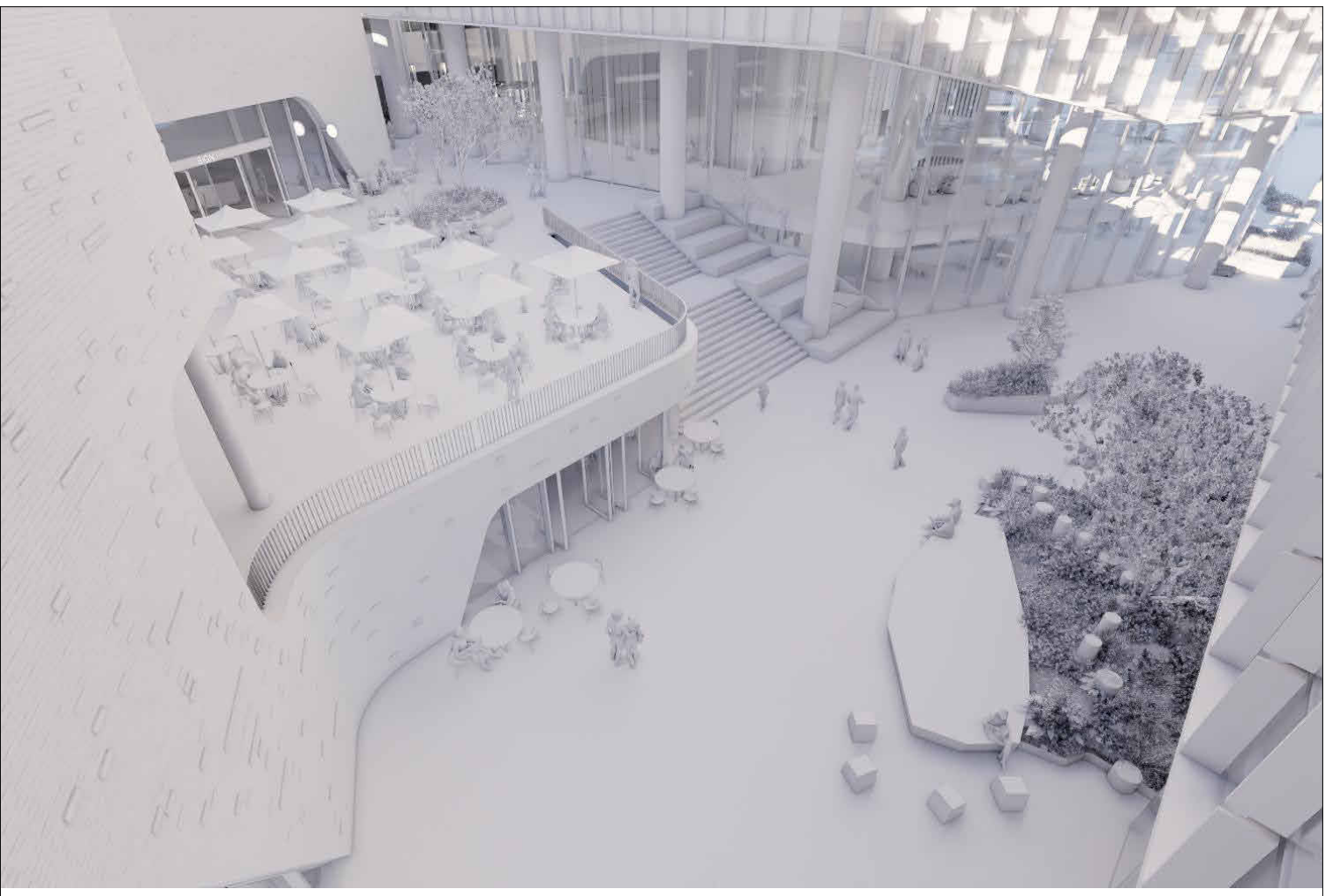
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Jun 21 - 09_00 AM



Jun 21 - 10_00 AM



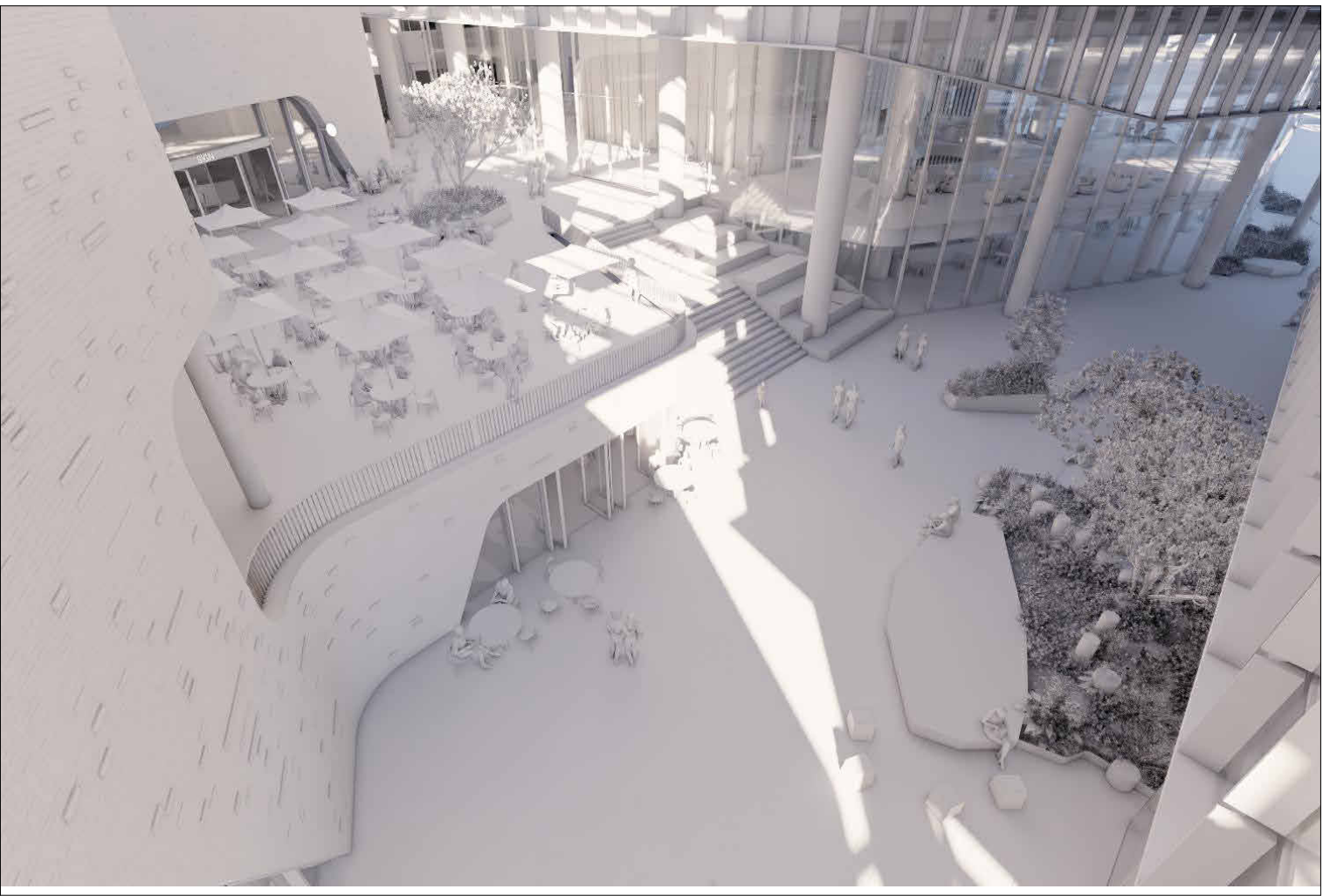
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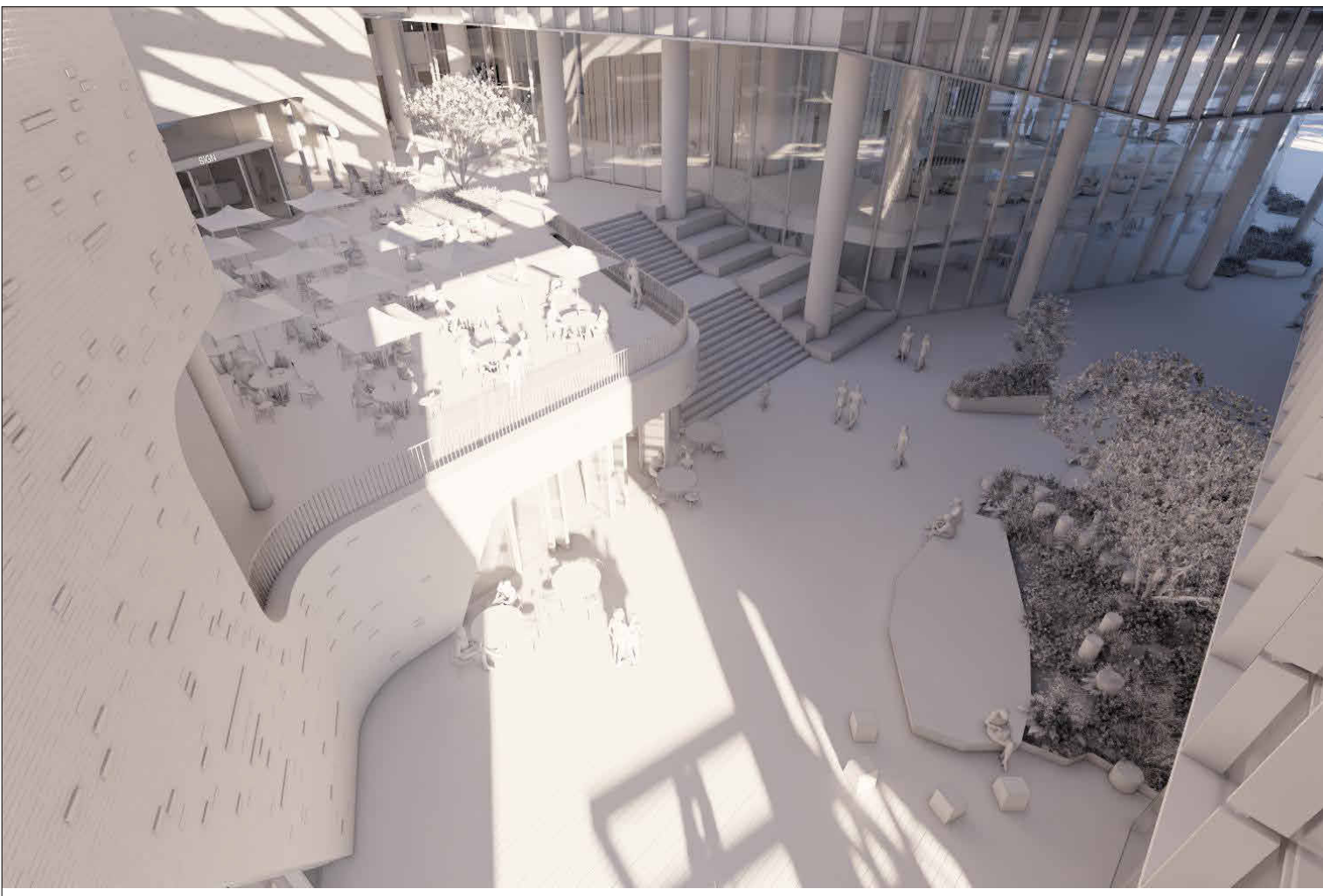
Jun 21 - 12_00 PM



Jun 21 - 01_00 PM



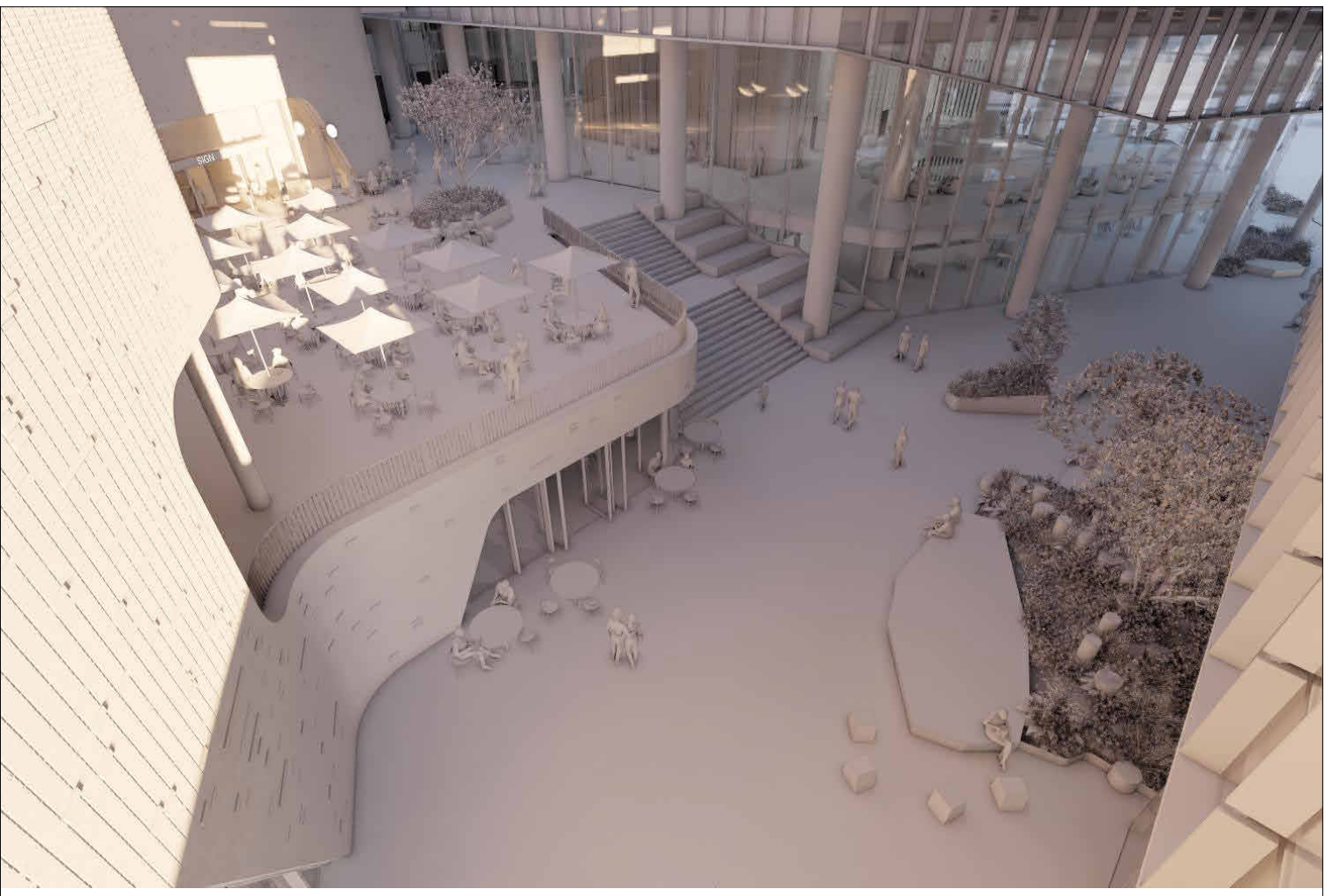
Jun 21 - 02_00 PM



Jun 21 - 03_00 PM



Jun 21 - 04_00 PM



Jun 21 - 04_30 PM

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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

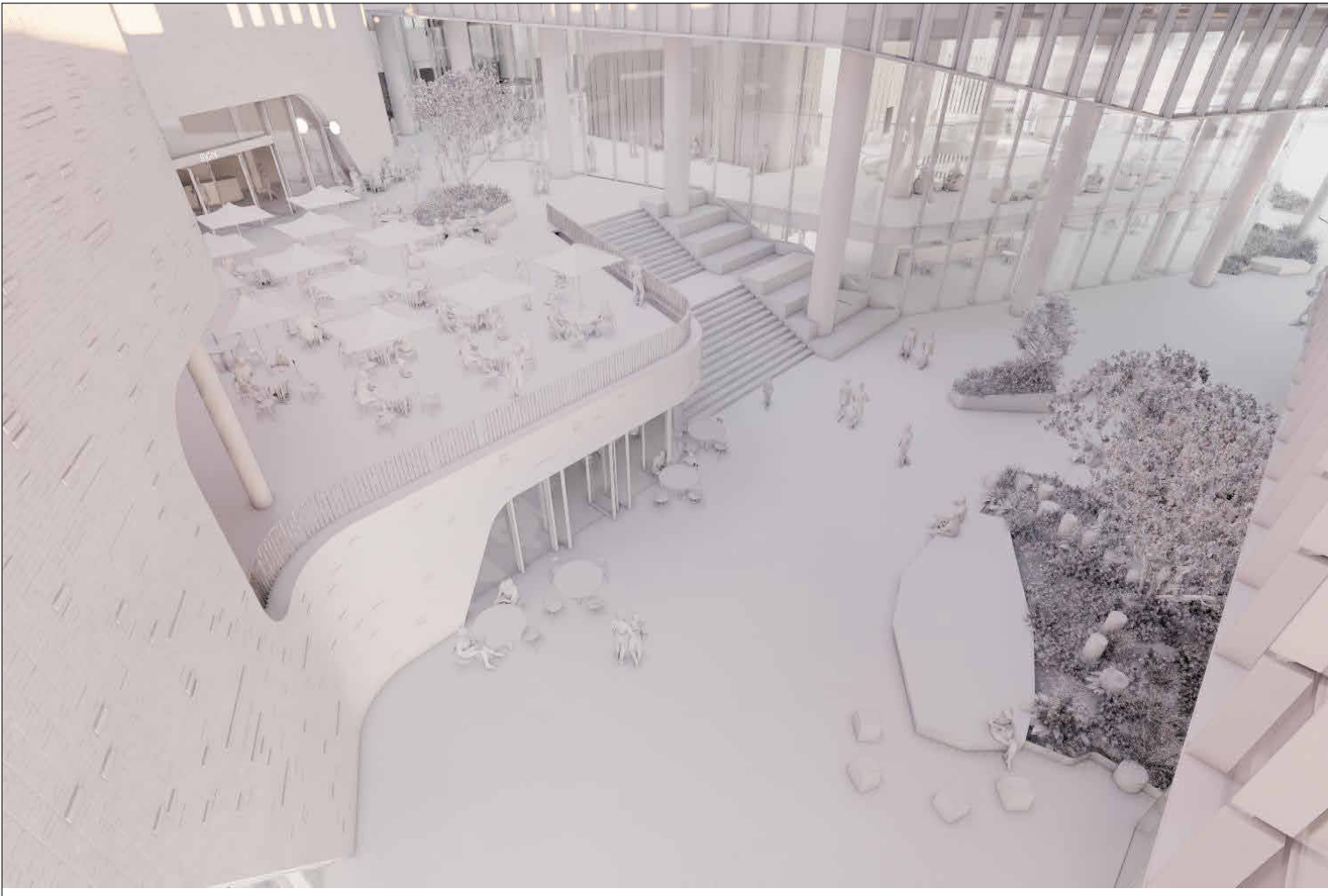
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Date	17/10/25
Job No	9234
Drawn	WAM
Checked	MM

Drawing No

FTA-81-029

Revision

D



Jun 21 - 05_00 PM

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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

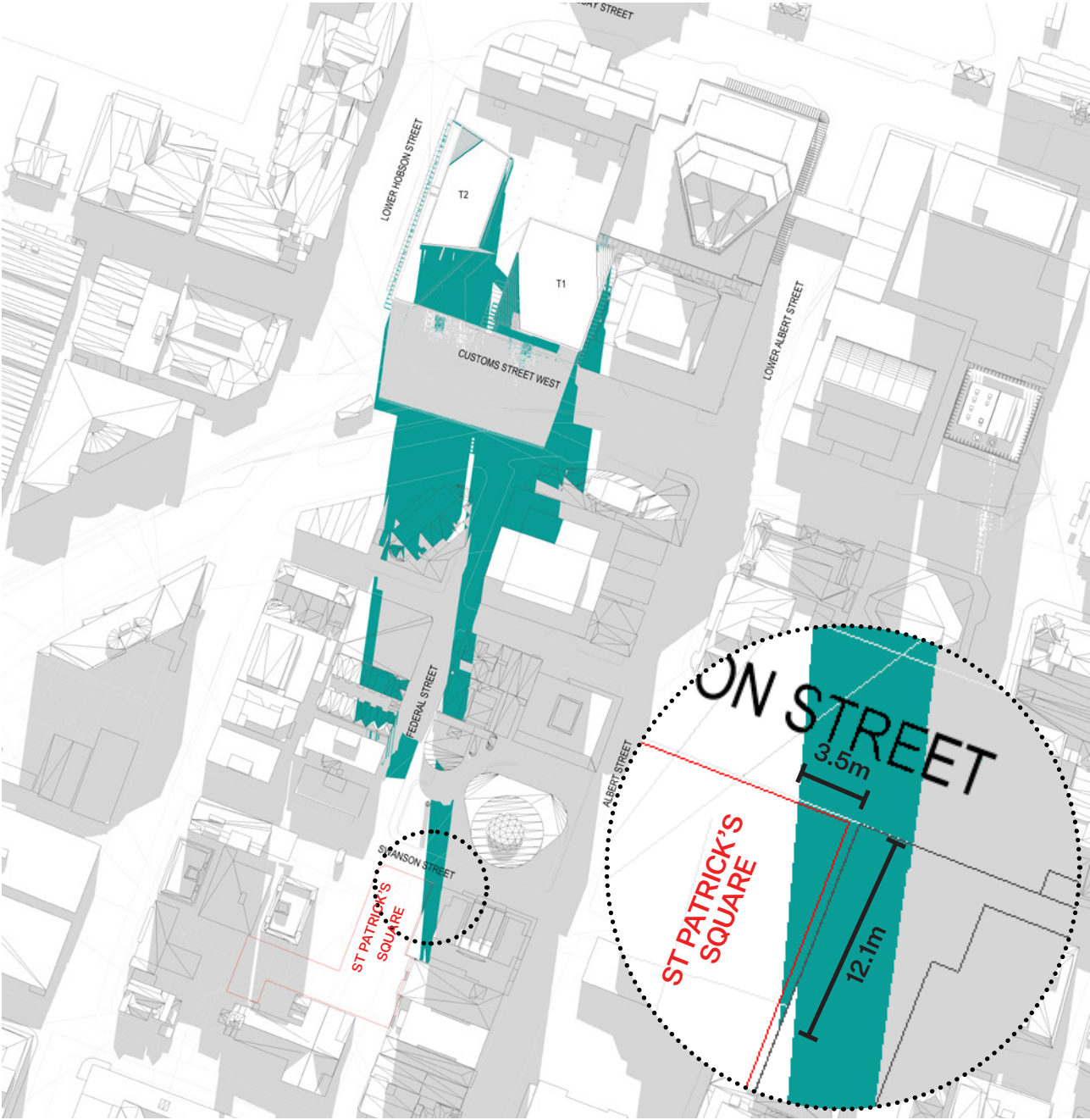
Detailed Shading Analysis Summary - T1

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		
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	
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		
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

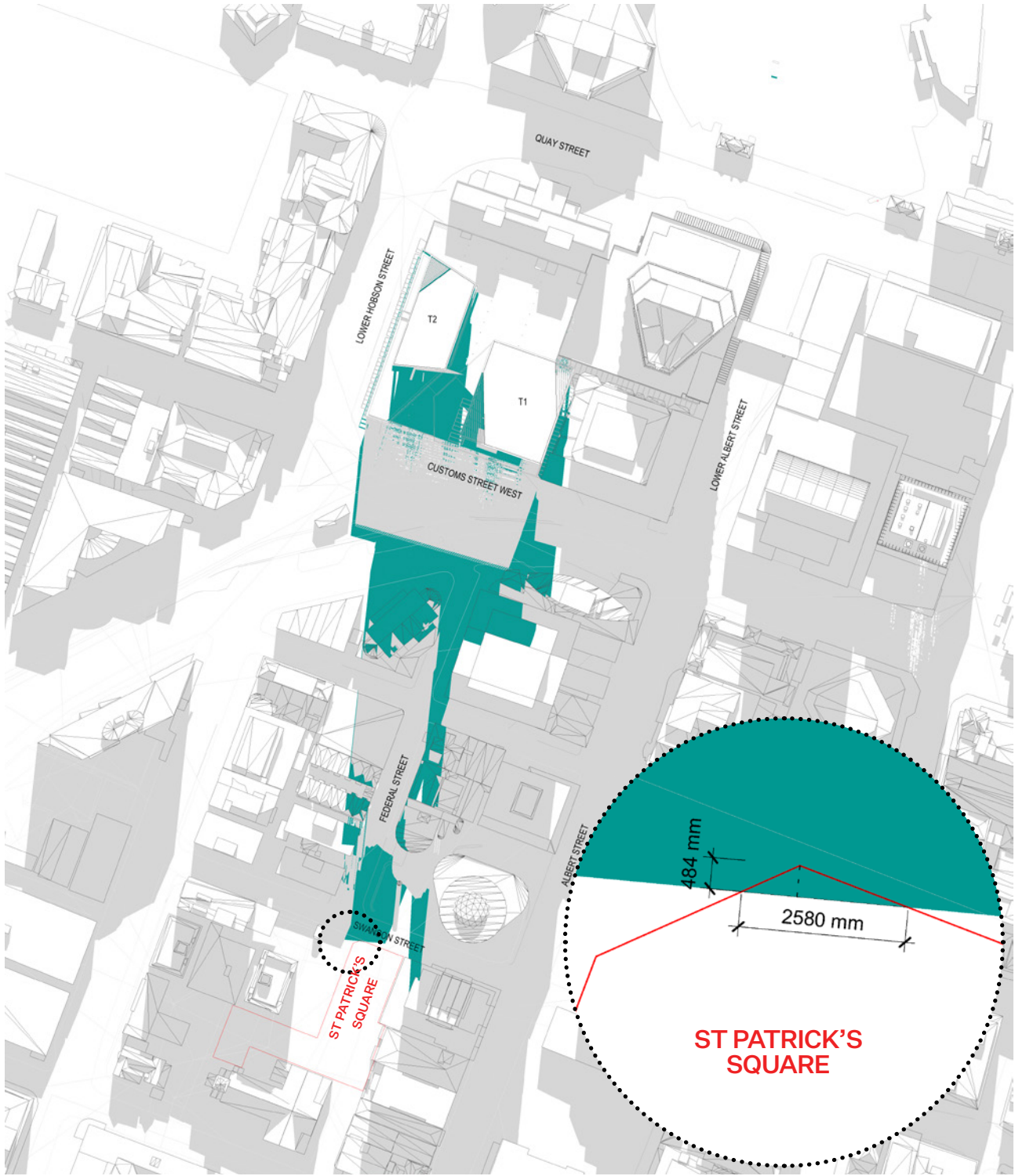


Detailed Shading Analysis Summary - T2

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



