

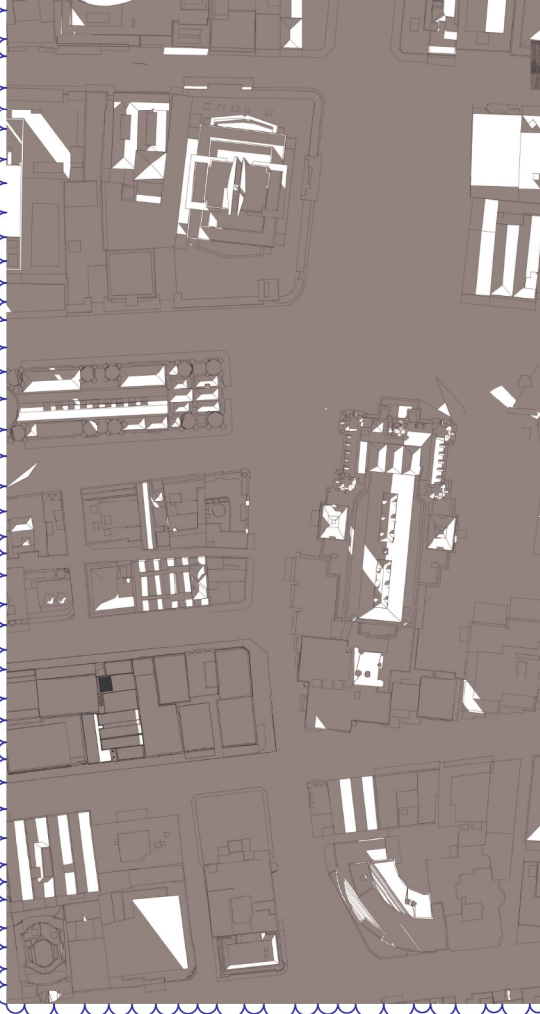
# **Attachment C**

|                                 |
|---------------------------------|
| <h2><b>Shadow Diagrams</b></h2> |
|---------------------------------|

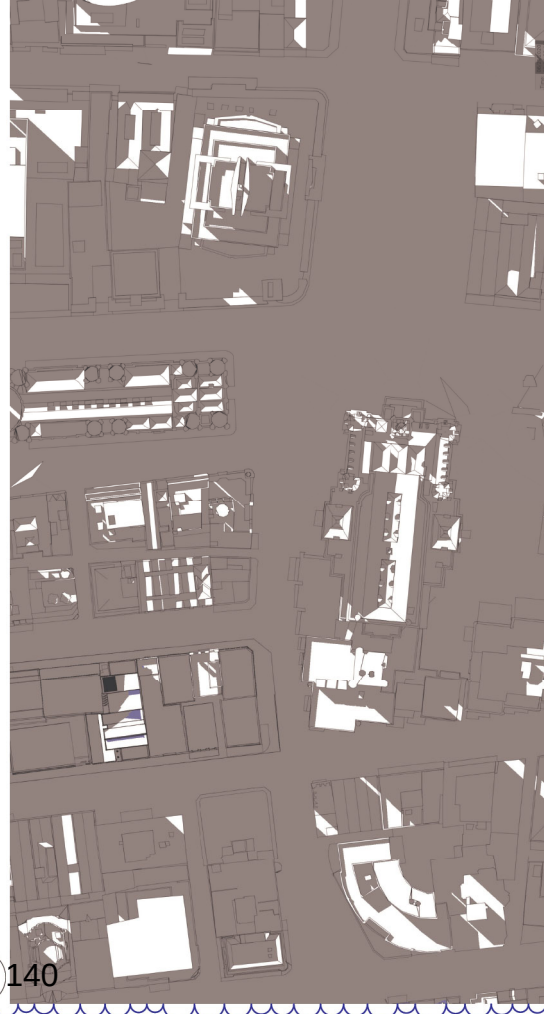
## Shadow Studies

Existing v Proposed 08:00 - 09:30 21st June

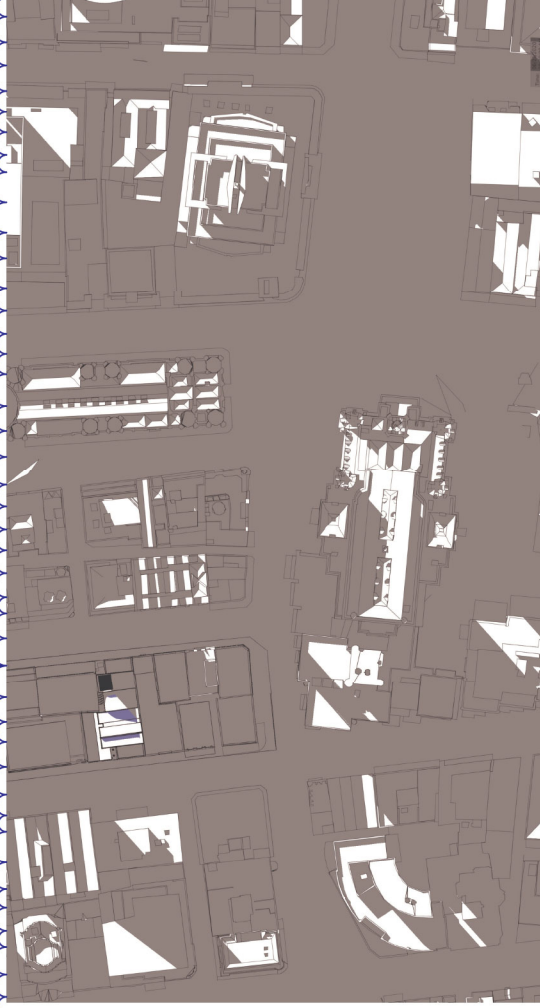
Additional Shadow of  
Proposed Scheme



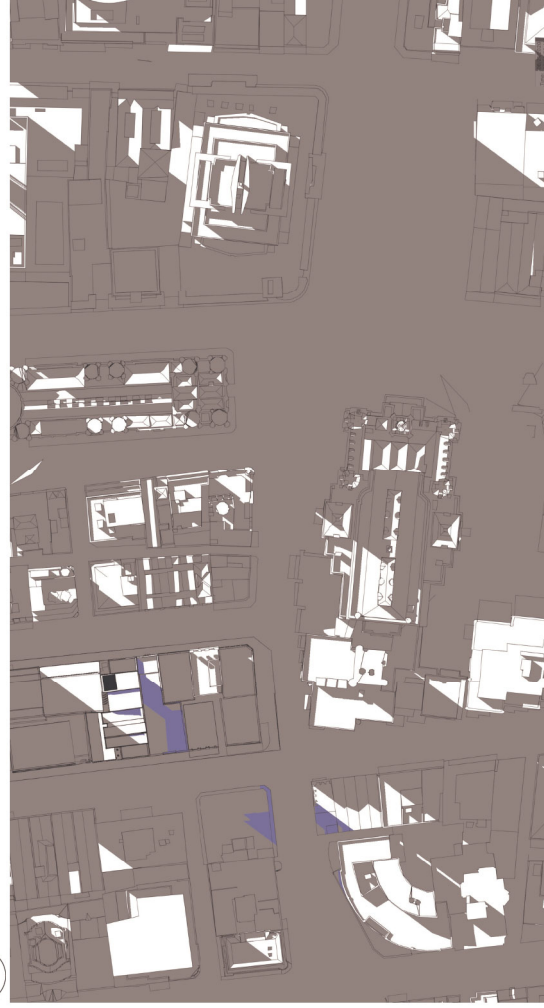
01 Shadow Studies Sunstudy June 21 0800



03 Shadow Studies Sunstudy June 21 0900



02 Shadow Studies Sunstudy June 21 0830



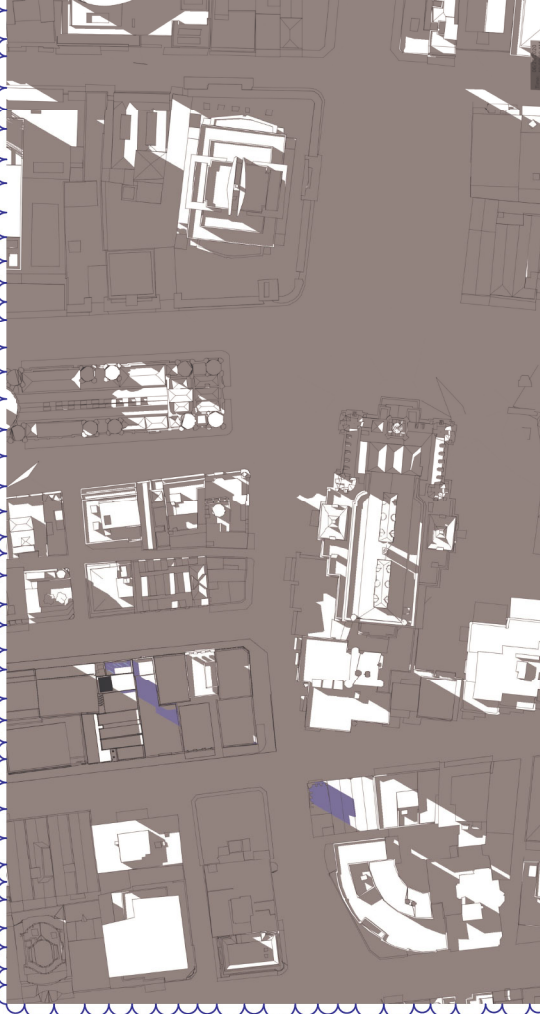
04 Shadow Studies Sunstudy June 21 0930

|                                                                                                                                                   |  |                                                                          |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|--|
| project                                                                                                                                           |  | title                                                                    |  |
| fjmt studio architecture interiors landscape urban community<br>sydney melbourne uk<br>Level 5, 70 King Street t +61 2 9251 7077 w fjmtstudio.com |  | Height and Solar Analysis<br>Solar Envelope Analysis Existing v Proposed |  |
| scale                                                                                                                                             |  | sheet no.                                                                |  |
| 1:200 @ A3                                                                                                                                        |  | GG420K                                                                   |  |
| revision                                                                                                                                          |  | rev                                                                      |  |
| 02                                                                                                                                                |  | DA1500                                                                   |  |

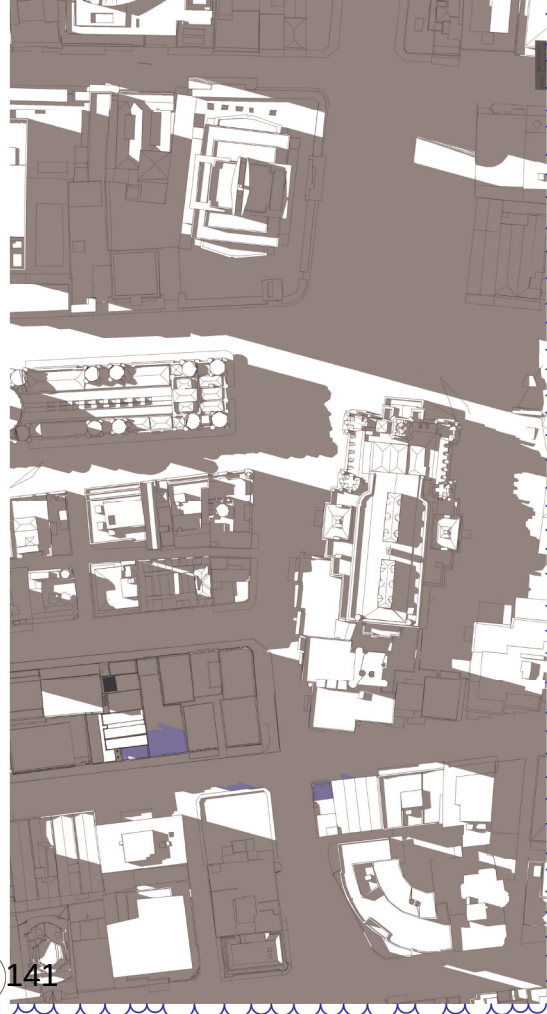
## Shadow Studies

Existing v Proposed 10:00 - 11:30 21st June

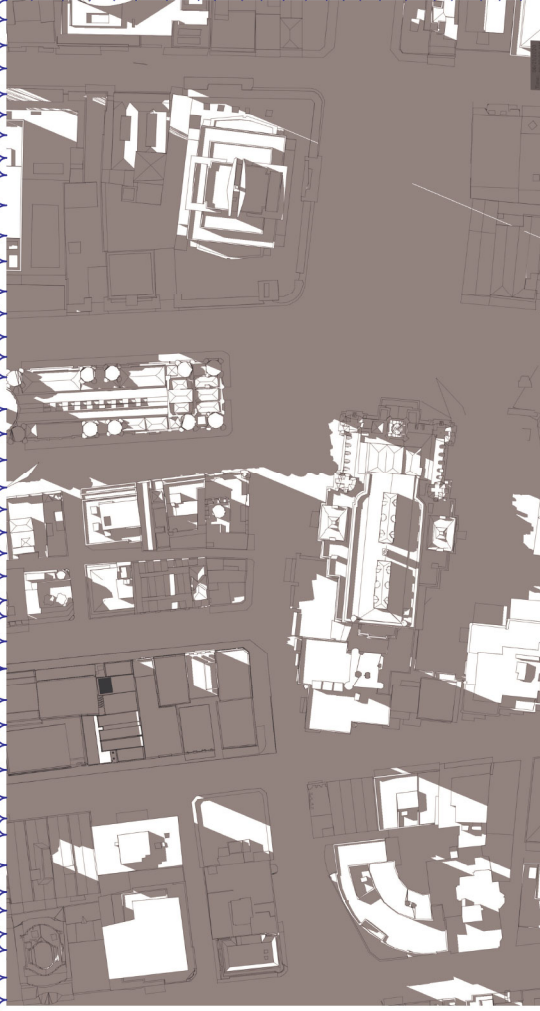
Additional Shadow of  
Proposed Scheme



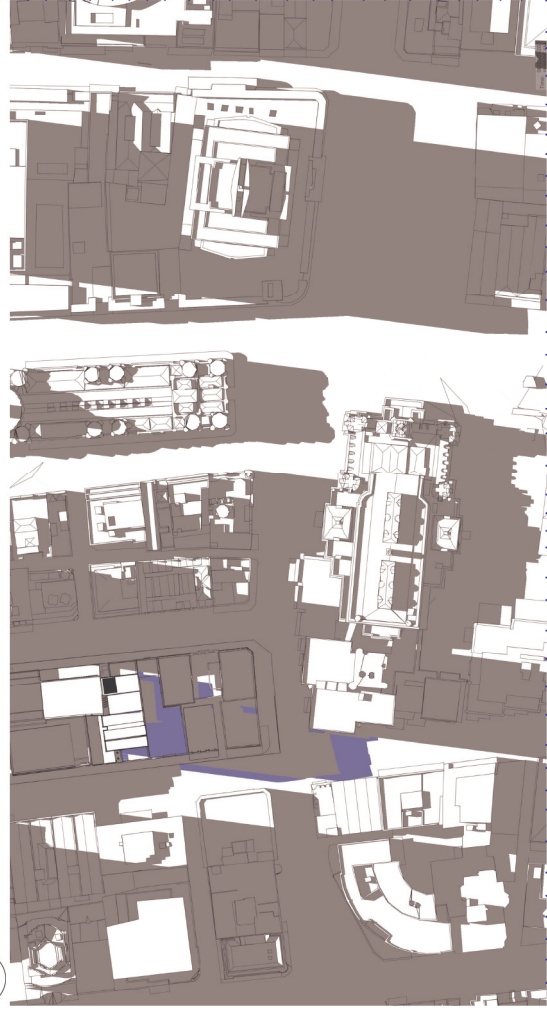
01 Shadow Studies Sunstudy June 21 1000



03 Shadow Studies Sunstudy June 21 1100



02 Shadow Studies Sunstudy June 21 1030

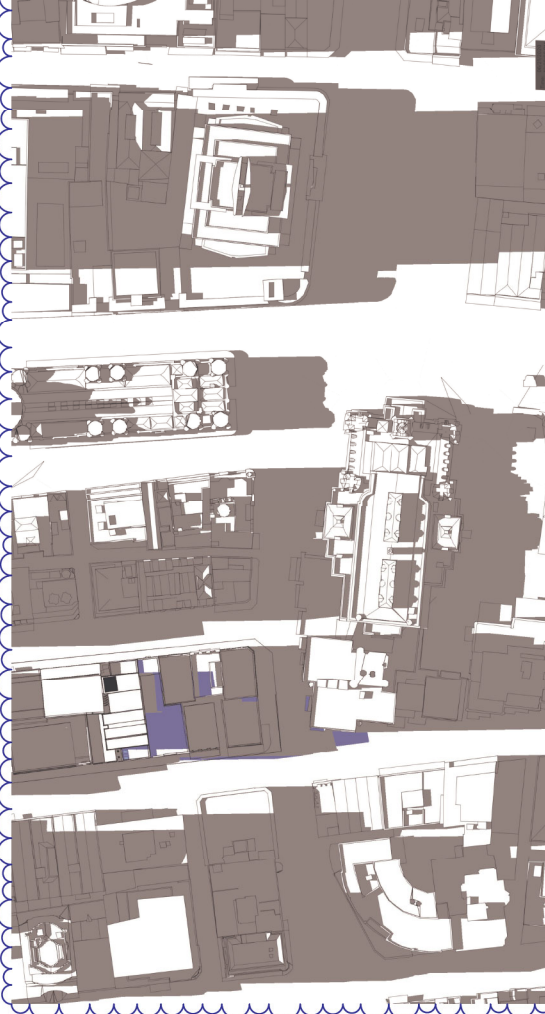


04 Shadow Studies Sunstudy June 21 1130

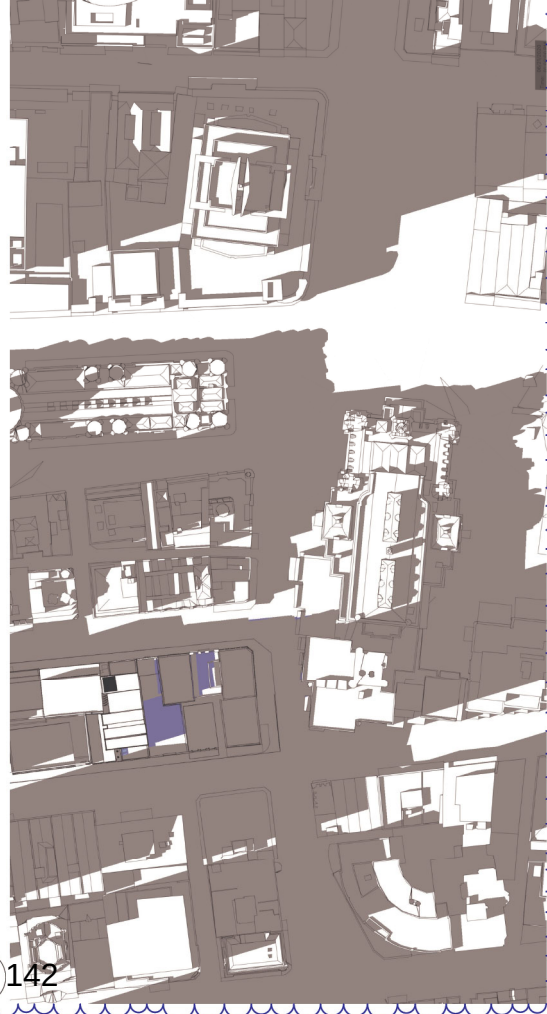
## Shadow Studies

Existing v Proposed 12:00-13:30 21st June

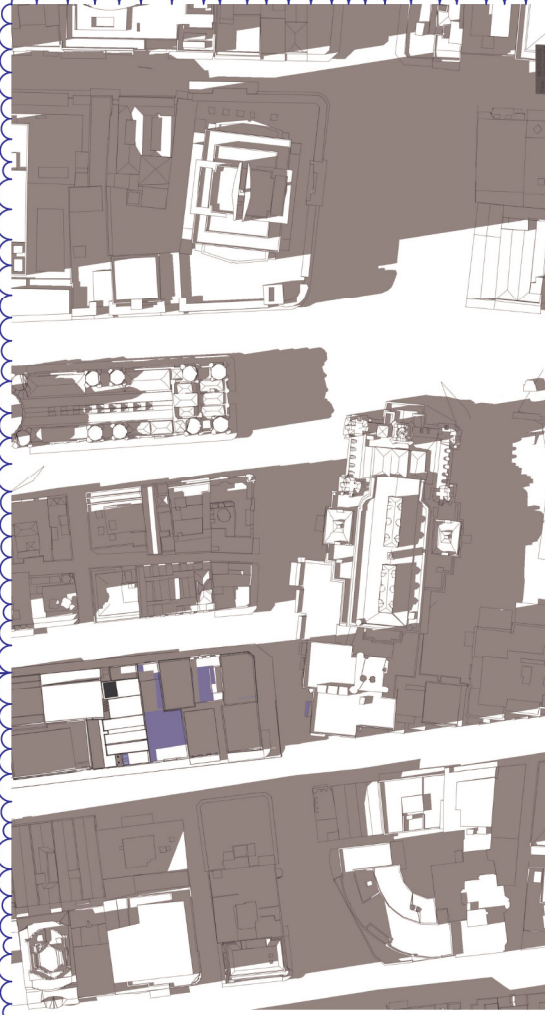
Additional Shadow of  
Proposed Scheme



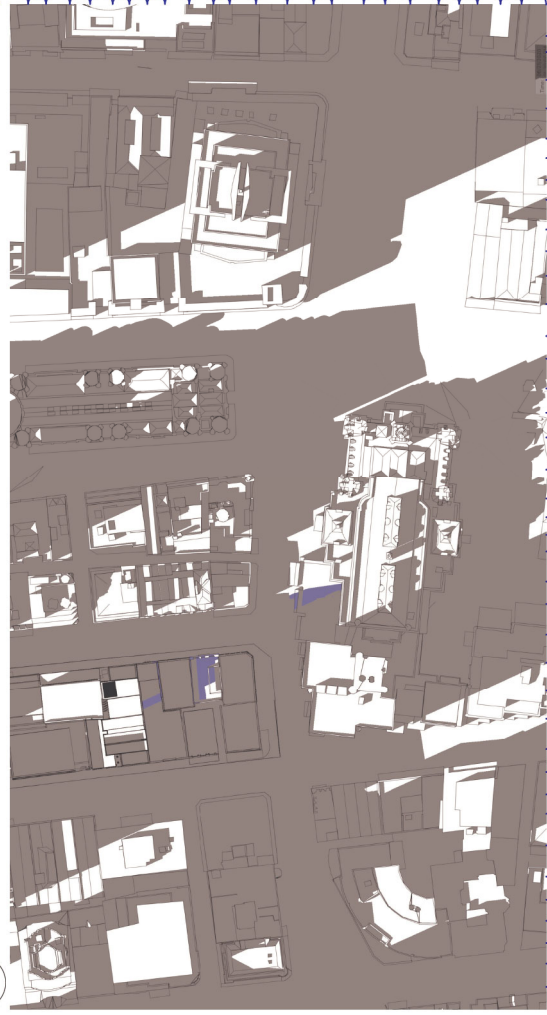
01 Shadow Studies Sunstudy June21 1200



03 Shadow Studies Sunstudy June21 1300



02 Shadow Studies Sunstudy June21 1230

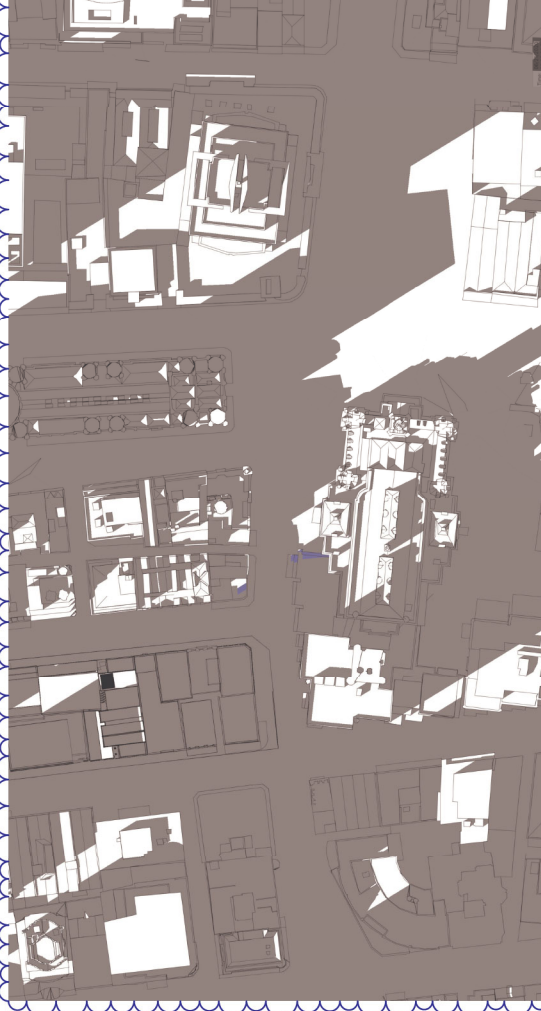


04 Shadow Studies Sunstudy June21 1330

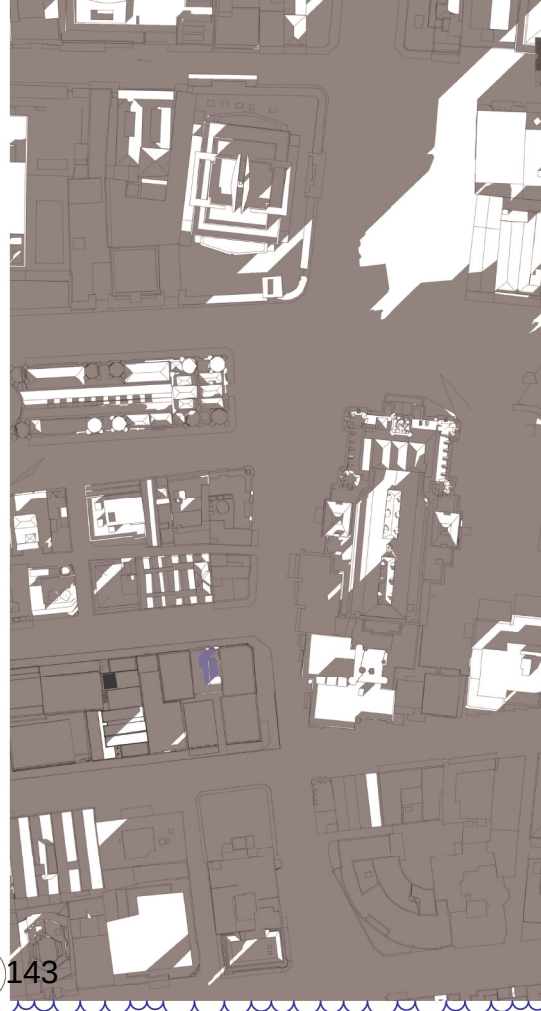
## Shadow Studies

Existing v Proposed 14:00 - 15:30 21st June

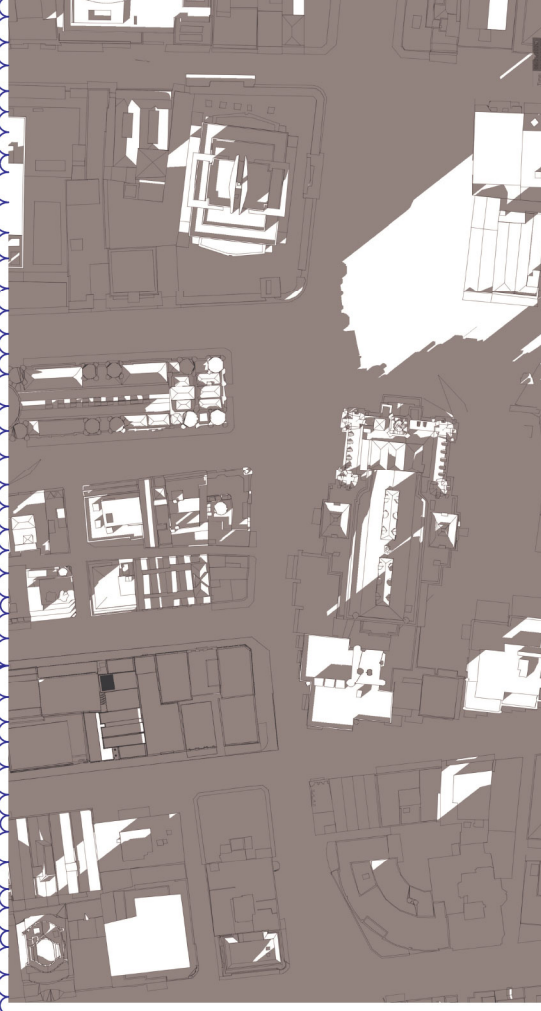
Additional Shadow of  
Proposed Scheme



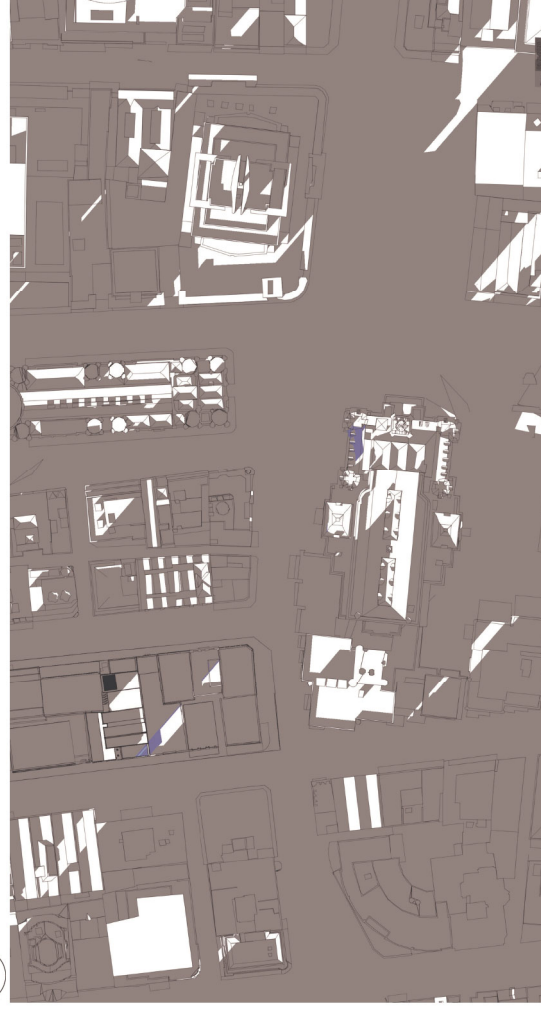
01 Shadow Studies Sunstudy June 21 1400



03 Shadow Studies Sunstudy June 21 1500



02 Shadow Studies Sunstudy June 21 1430



04 Shadow Studies Sunstudy June 21 from 3pm 1530

|                                                                                                                                                       |  |                                                                          |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|------------|
| project                                                                                                                                               |  | title                                                                    |            |
| fjmt studio architecture interiors landscape urban community<br>sydney melbourne uk<br>Level 5, 70 King Street • t +61 2 9251 7077 • w fjmtstudio.com |  | Height and Solar Analysis<br>Solar Envelope Analysis Existing v Proposed |            |
| 143                                                                                                                                                   |  | scale                                                                    | 1:200 @ A3 |
|                                                                                                                                                       |  | code                                                                     | GG420K     |
|                                                                                                                                                       |  | sheet no.                                                                | DA1503     |
|                                                                                                                                                       |  | rev                                                                      | 02         |

Shadow Studies  
Existing v Proposed 16:00 21st June

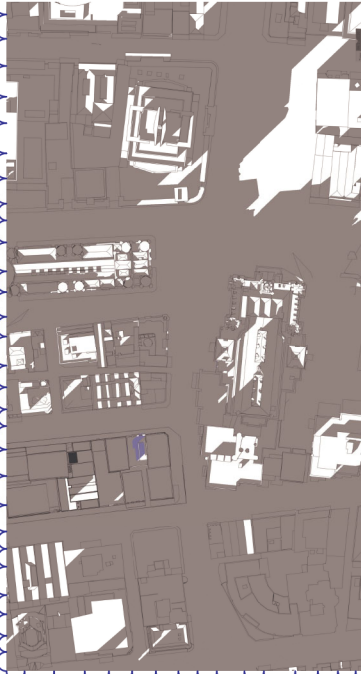
Additional Shadow of  
Proposed Scheme



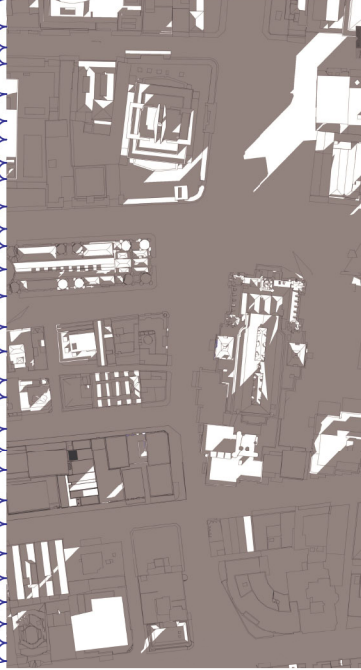
|                                                                                       |                                                                                                                                                                                                                             |                                                                                         |    |                                                                                                 |        |           |     |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------|--------|-----------|-----|
|  | <p><b>fjmt studio</b> architecture interiors landscape urban community<br/><b>sydney</b> malabarra uk<br/>Level 5, 70 King Street <b>st</b> +61 2 9251 7077 <b>w</b> <a href="http://fjmtstudio.com">fjmtstudio.com</a></p> | project<br><b>Hotel Redevelopment</b><br>420 Kent Street<br>Sydney New South Wales 2000 | by | title<br><b>Height and Solar Analysis</b><br><b>Solar Envelope Analysis Existing v Proposed</b> |        |           |     |
|                                                                                       |                                                                                                                                                                                                                             |                                                                                         |    | scale                                                                                           | code   | sheet no. | rev |
|                                                                                       |                                                                                                                                                                                                                             |                                                                                         |    | 1:200 @ A3                                                                                      | GG420K | DA1504    | 02  |

Shadow Studies  
Existing v Proposed

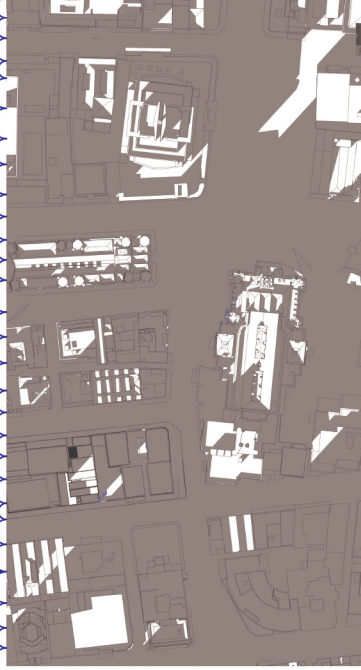
10 minute increments 15:00 - 16:00 21st June



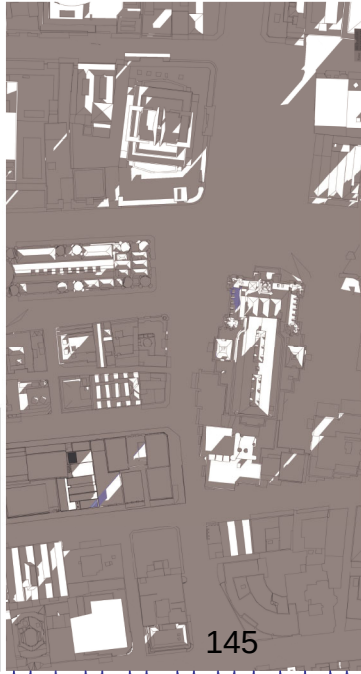
Sunstudy June 21 from 3pm 1500



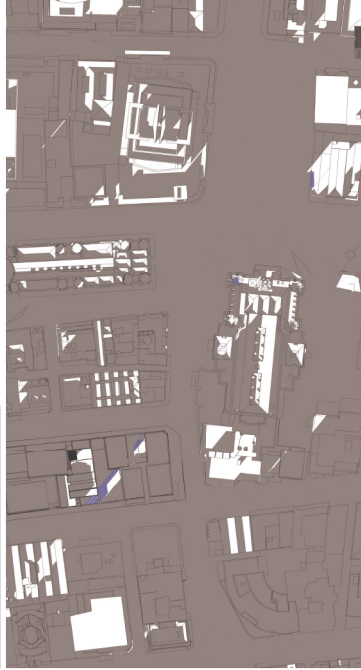
Sunstudy June 21 from 3pm 1510



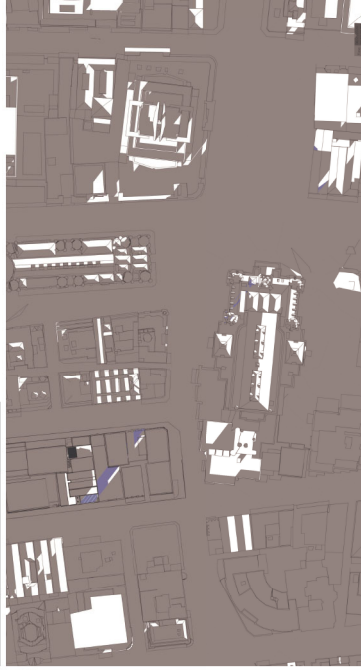
Sunstudy June 21 from 3pm 1520



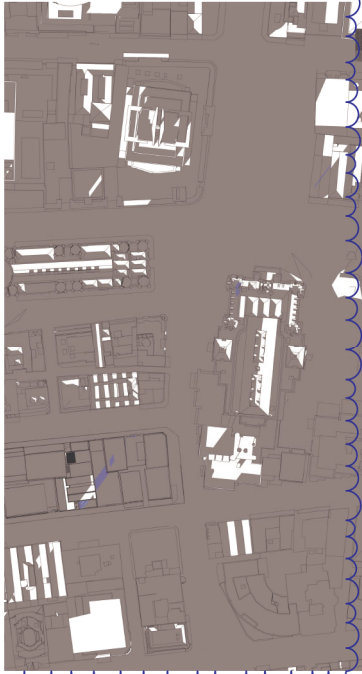
Sunstudy June 21 from 3pm 1530



Sunstudy June 21 from 3pm 1540



Sunstudy June 21 from 3pm 1550



Sunstudy June 21 from 3pm 1600

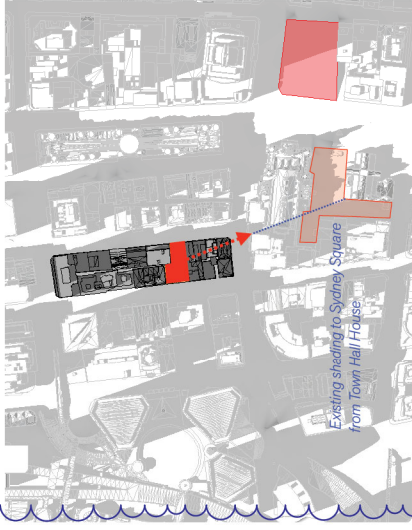
|                                                                                                                                                       |  |                                                                                    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|
| project                                                                                                                                               |  | title                                                                              |  |
| fjmt studio architecture interiors landscape urban community<br>sydney melbourne uk<br>Level 5, 70 King Street • t +61 2 9251 7077 • w fjmtstudio.com |  | Hotel Redevelopment<br>420 Kent Street<br>Sydney New South Wales 2000              |  |
| by                                                                                                                                                    |  | by                                                                                 |  |
| Revision 01 16/07/19                                                                                                                                  |  | Updated shadow analysis to reflect increased height                                |  |
| Issue                                                                                                                                                 |  | Change Name                                                                        |  |
| 01                                                                                                                                                    |  | 01.01                                                                              |  |
| Scale                                                                                                                                                 |  | Scale                                                                              |  |
| 1:200 @ A3                                                                                                                                            |  | 1:200 @ A3                                                                         |  |
| Code                                                                                                                                                  |  | Code                                                                               |  |
| GG420K                                                                                                                                                |  | GG420K                                                                             |  |
| Sheet no.                                                                                                                                             |  | Sheet no.                                                                          |  |
| DA1505                                                                                                                                                |  | DA1505                                                                             |  |
| Rev                                                                                                                                                   |  | Rev                                                                                |  |
| 01                                                                                                                                                    |  | 01                                                                                 |  |
| Height and Solar Analysis<br>Solar Analysis Exist v Prop 10minute increments 3-4pm                                                                    |  | Height and Solar Analysis<br>Solar Analysis Exist v Prop 10minute increments 3-4pm |  |

## Solar Envelope Analysis

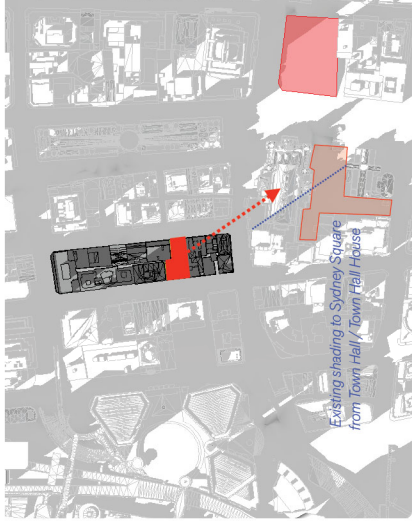
- The No Additional Overshadowing (NAO) controls are the primary limit to building envelope besides the LEP height controls which we do not breach.



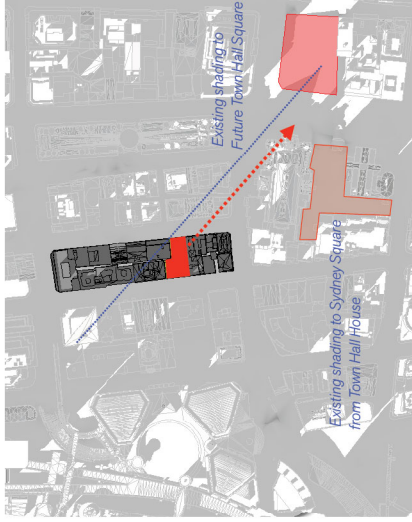
May 21 1pm



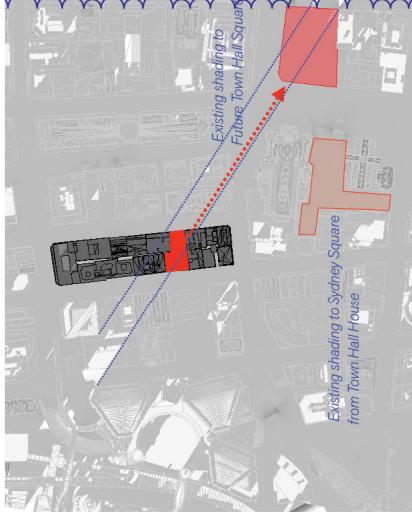
May 21 2pm



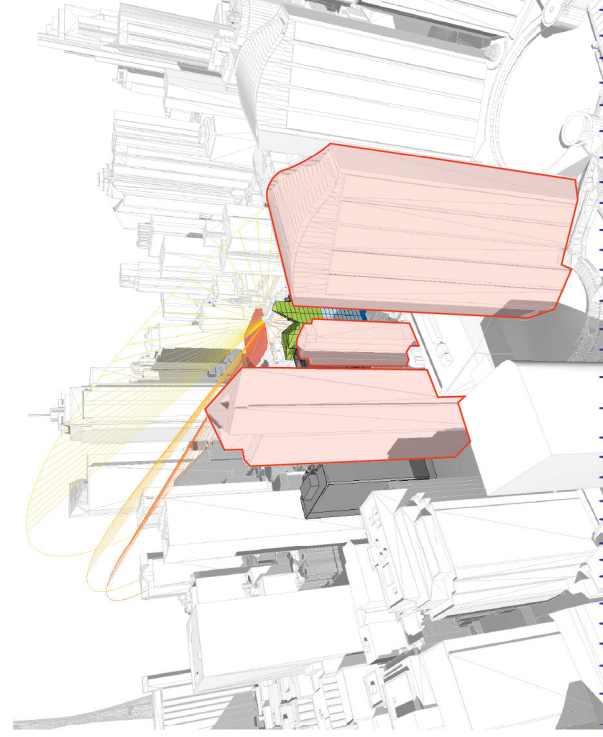
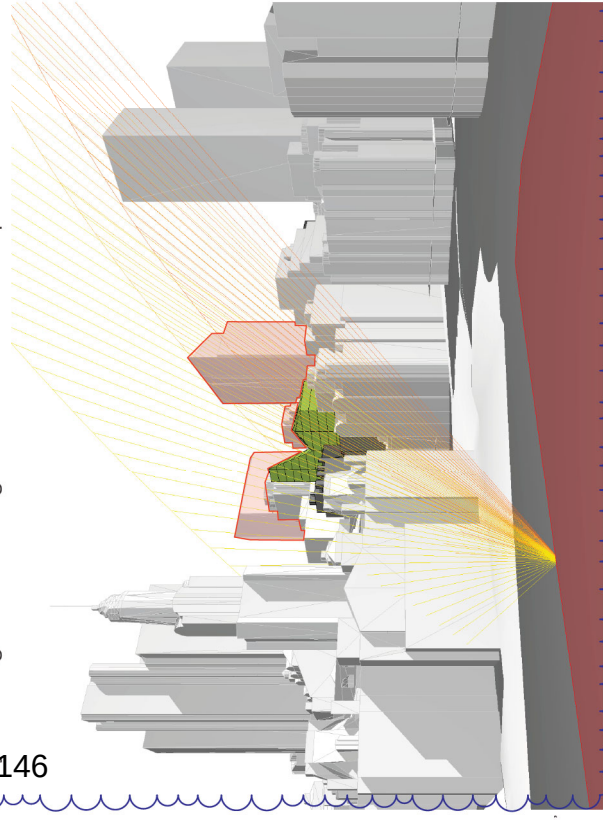
May 21 3pm



May 21 4pm



Key buildings determining form of Solar Envelope



**fjmt**  
fjmt studio architecture interiors landscape urban community  
sydney melbourne uk  
Level 5, 70 King Street st +61 2 9251 7077 [www.fjmtstudio.com](http://www.fjmtstudio.com)

project  
**Hotel Redevelopment**  
420 Kent Street  
Sydney New South Wales 2000

|    |          |                     |       |                                                     |    |
|----|----------|---------------------|-------|-----------------------------------------------------|----|
| 02 | 16/6/19  | Revised DA          | 02/21 | Updated shadow analysis to reflect increased height | SS |
| 01 | 17/12/18 | Issued for Approval |       |                                                     | SS |

|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| title     | Height and Solar Analysis<br>Solar Envelope Analysis Town Hall Square |
| scale     | 1:200 @ A3                                                            |
| code      | GG420K                                                                |
| sheet no. | DA1506                                                                |
| rev       | 02                                                                    |