



SOLAR ACCESS ANALYSIS

**QUATTRO PROJECT NUMBER 22-0716
22 MELWOOD AVE FORESTVILLE NSW 2087
LOT 2589 & LOT 31 DP752038 & DP 366454
PROPOSED 16 APARTMENTS**

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1.0 SUMMARY

1.1 SUMMARY OF SOLAR ACCESS FOR APARTMENTS

The SEPP65 is recommend a minimum of 70% of apartments should have the amenity of two hours winter sun (21 June) between 9 AM and 3 PM and a maximum of 15% of apartments in a building receive no direct sunlight between 9 AM and 3 PM at mid winter.

13/16 (81.25%) of the apartments are projected to achieve 2 hours or more sunlight to glazing and pos 9 am – 3 pm June 21.
0/16 (0%) of the apartments are projected to achieve no sun 9 am – 3 pm June 21. This represents full compliance with design criterion 3 of the ADG Objective 4A-1.

Overall compliance for solar access is therefore fully satisfied.

2.0 DOCUMENTS AND INFORMATIONS

1.1 SITE

The site is located at 22 Melwood AVE Forestville NSW 2087.





Figure 1: Aerial view of site (taken from the northern beaches council website)

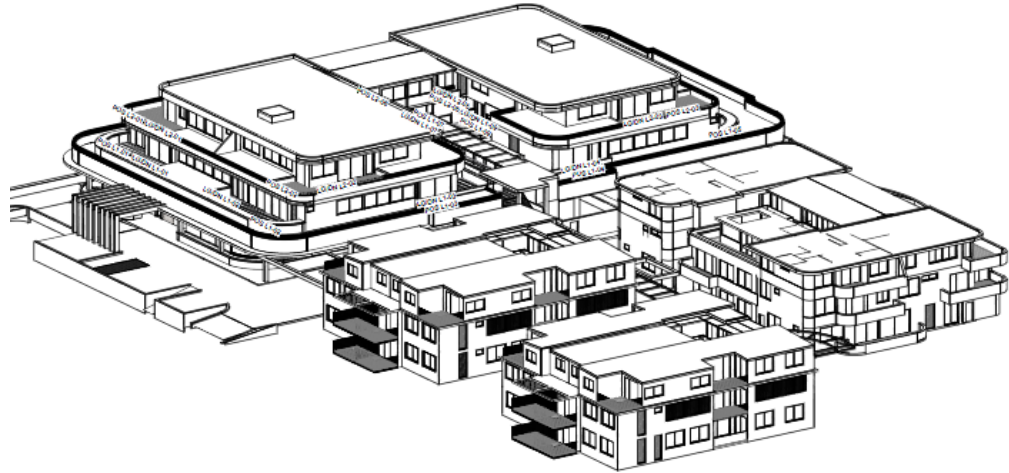
3.0 SOLAR ACCESS

3.1 PREDICTED SOLAR ACCESS (VIEWS FROM THE SUN) COMPLIANCE

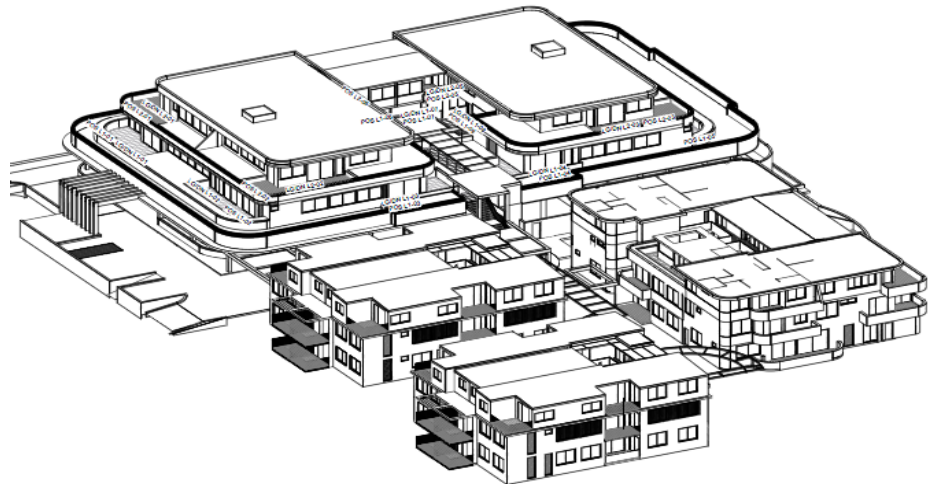
The table shows half-hourly views of solar access projections for June 21.

| | |
|----------------------------------|---|
| <p>08:00 PROPOSED</p> |  |
| <p>08:30 PROPOSED</p> |  |

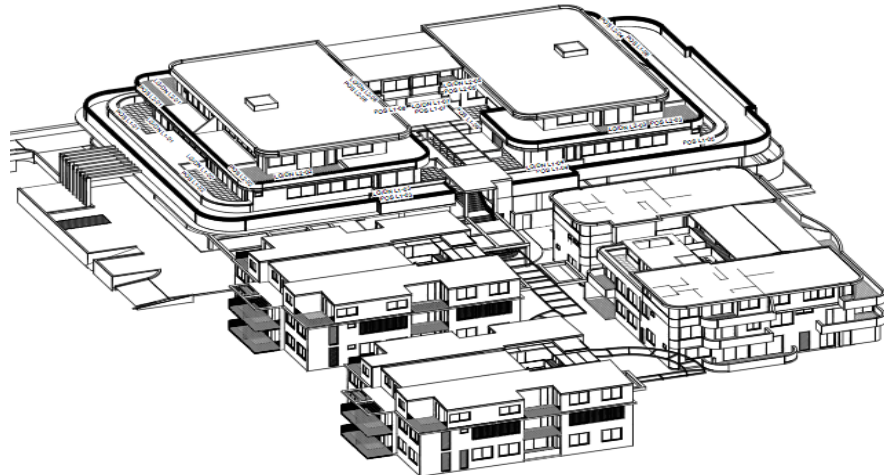
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PROPOSED**



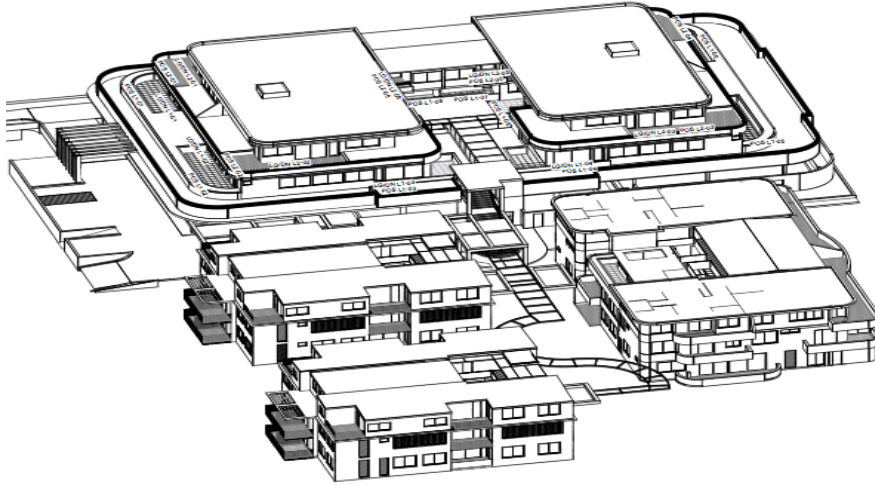
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PROPOSED**



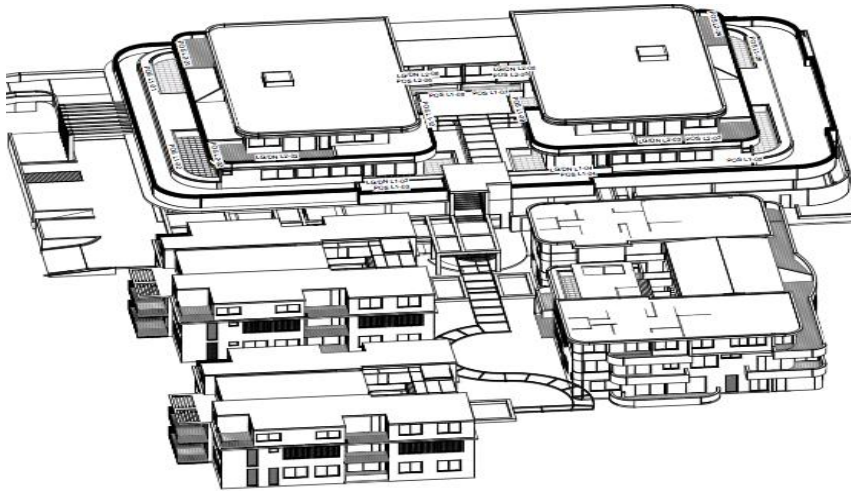
**10:00
PROPOSED**



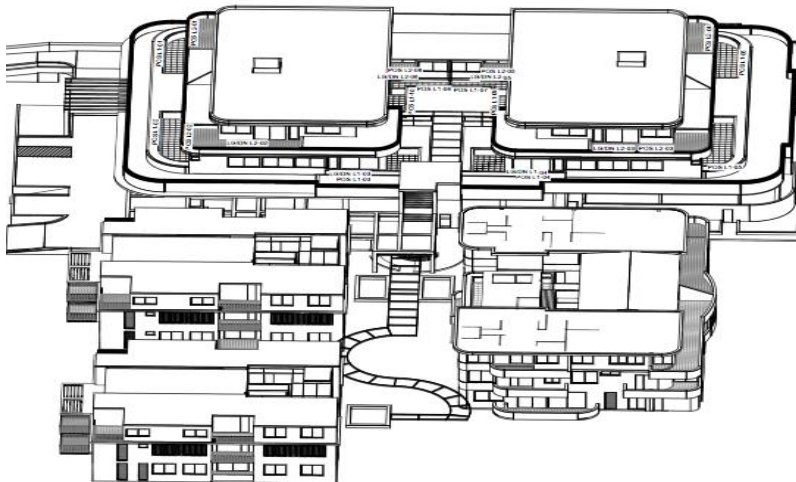
**10:30
PROPOSED**



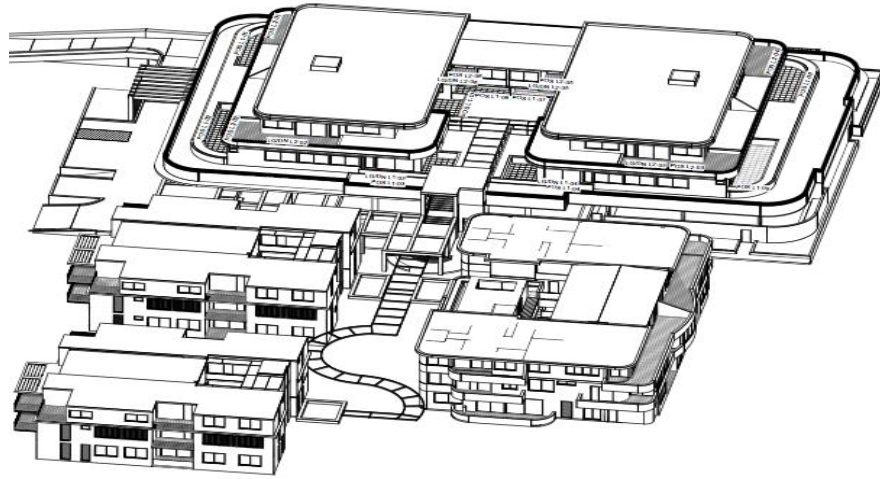
**11:00
PROPOSED**



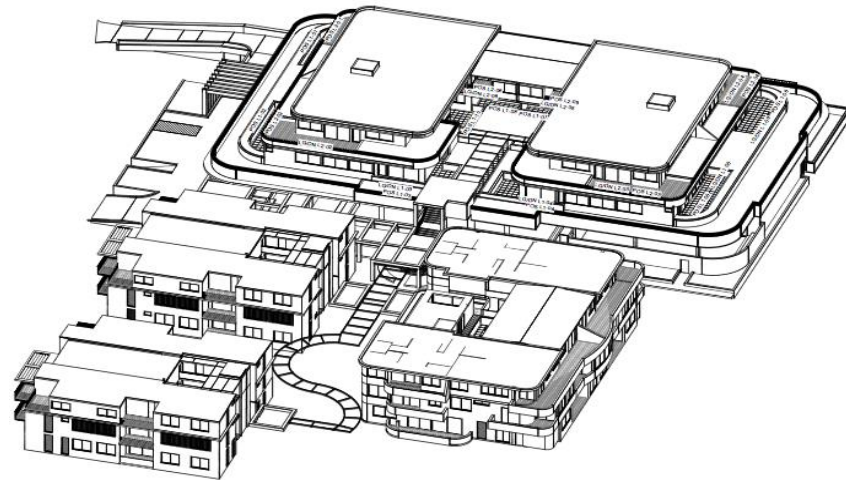
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PROPOSED**



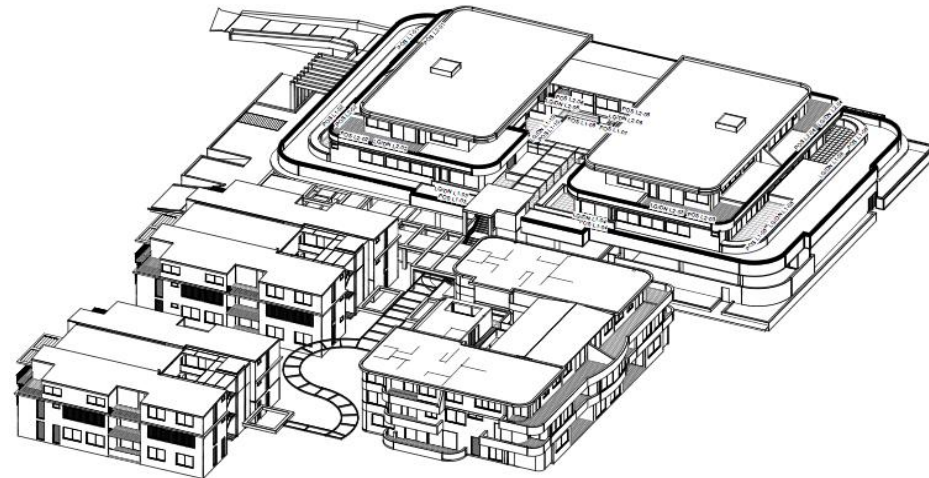
**12:00
PROPOSED**



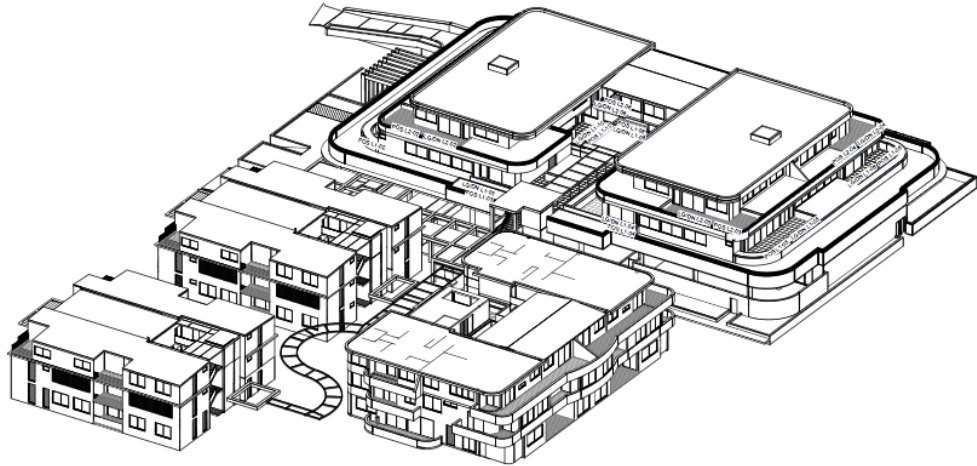
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PROPOSED**



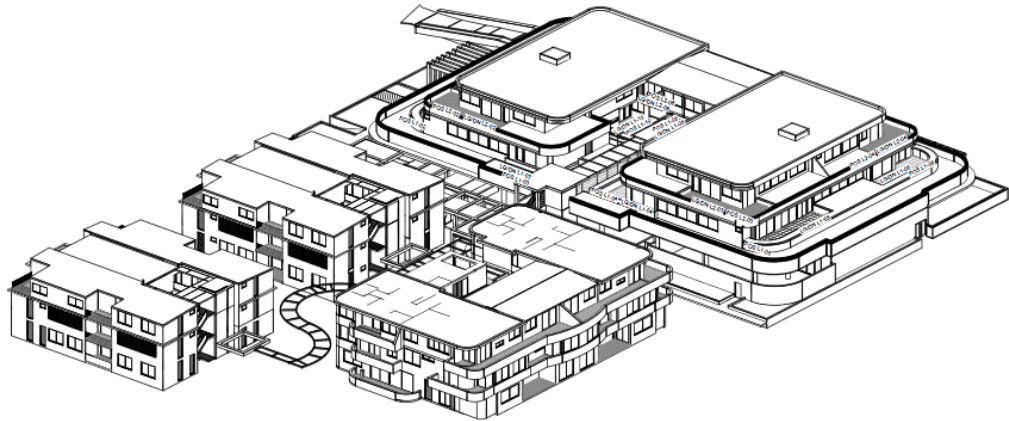
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PROPOSED**



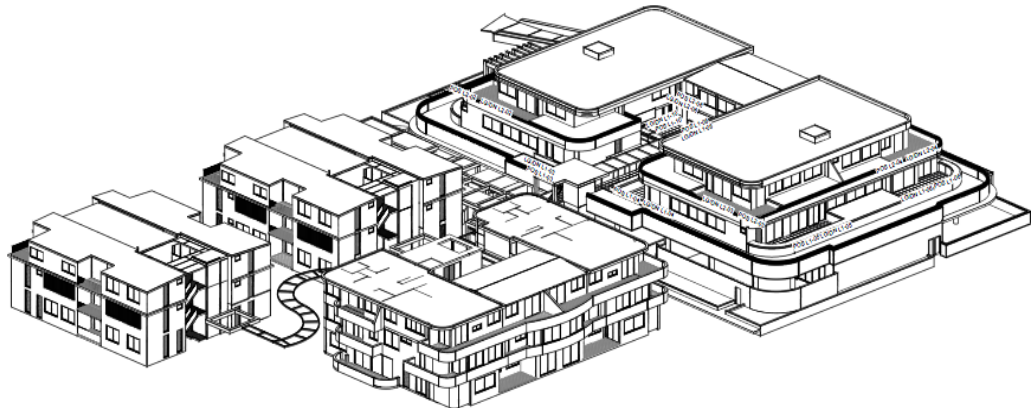
**13:30
PROPOSED**



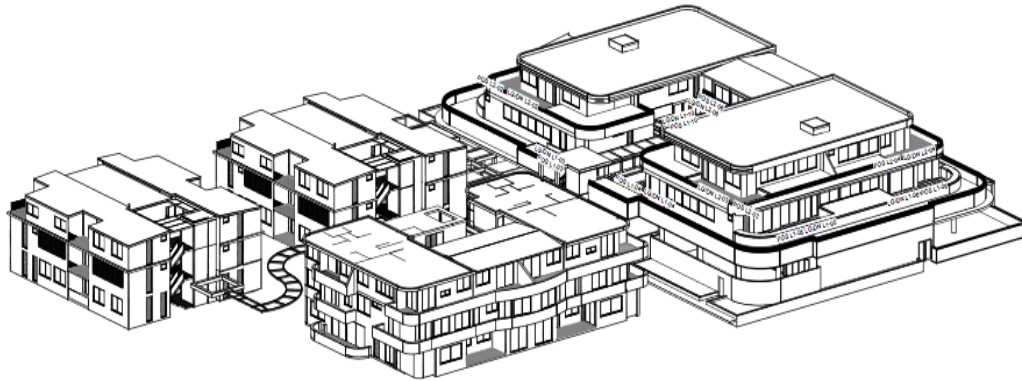
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PROPOSED**



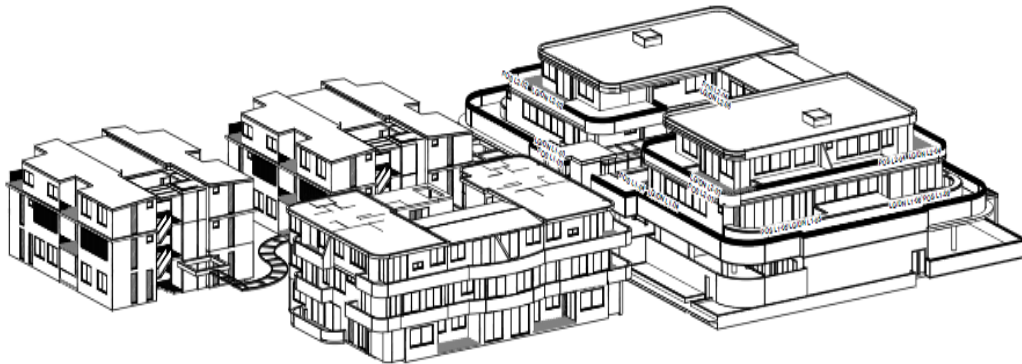
**14:30
PROPOSED**



**15:00
PROPOSED**



**15:30
PROPOSED**



**16:00
PROPOSED**



3.2 DETAILED COMPLIANCE TABLE

THE FOLLOWING TABLE SETS OUT IN DETAIL THE SOLAR ACCESS STATUS OF EACH APARTMENT IN THE CURRENT DA SCHEME.

| | |
|-----|--|
| Y | RECEIVES COMPLIANT SUN |
| Y | RECEIVES COMPLIANT SUN OUTSIDE THE 9-3 WINDOWS |
| N | DOES NOT COMPLY |
| N/A | NOT APPLICABLE |

| BUILDING LEVEL | UNIT NUM. | ROOM | 8 | 8:30 | 9 | 9:30 | 10 | 10:30 | 11 | 11:30 | 12 | 12:30 | 13 | 13:30 | 14 | 14:30 | 15 | 15:30 | 16 | >2 hrs 9-3 | COMPLY FOR LIVING + POS >2 hrs 9-3 | NO SUN | COMMENTS | |
|----------------|-----------|--------|---|------|---|------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|------------|------------------------------------|--------|----------|-----|
| CL/1 | U.01 | LIVING | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | N | YES | YES | N/A |
| CL/1 | U.02 | LIVING | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | YES | YES | N/A | |
| CL/1 | U.03 | LIVING | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | N/A | |
| CL/1 | U.04 | LIVING | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | N/A | |
| CL/1 | U.05 | LIVING | N | N | N | N | N | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | N/A | |
| CL/1 | U.06 | LIVING | N | N | N | N | N | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | N/A | |
| CL/1 | U.07 | LIVING | N | Y | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | | | - | |
| | | POS | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | YES | | N/A | |
| CL/1 | U.08 | LIVING | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y | N | N | N | N | | | - | |
| | | POS | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | YES | | N/A | |
| CL/1 | U.09 | LIVING | Y | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | YES | | N/A | |
| CL/1 | U.10 | LIVING | N | N | N | N | N | N | N | N | N | N | Y | Y | Y | Y | Y | N | N | N | YES | YES | - | |
| | | POS | N | N | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | YES | YES | N/A | |
| CL/2 | U.01 | LIVING | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | YES | YES | N/A | |

| BUILDING LEVEL | UNIT NUM. | ROOM | 8:30 | | | | | | | | | | | | | | | | >2 hrs 9-3 | COMPLY FOR LIVING + POS >2 hrs 9-3 | NO SUN | COMMENTS | | |
|----------------|-----------|--------|------|---|----|----|----|----|----|----|----|---|---|---|---|---|---|---|------------|------------------------------------|--------|----------|---|-----|
| | | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | | | | | | | | | | |
| CL/2 | U.02 | LIVING | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | | N/A |
| CL/2 | U.03 | LIVING | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | | N/A |
| CL/2 | U.04 | LIVING | N | N | N | N | N | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | | N/A |
| CL/2 | U.05 | LIVING | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | YES | YES | - | |
| | | POS | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N | N | N | YES | | N/A |
| CL/2 | U.06 | LIVING | N | N | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | YES | - | |
| | | POS | N | N | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | YES | | N/A |