

APPENDIX E

SOLAR ACCESS - Review 18 November 2015

The SEPP 65 Apartment Design Guide requires apartments in other than Metropolitan areas to be provided with a minimum of 3 hours solar access to “Living rooms and private open spaces” of at least 70% of all apartments in a proposed development. The subject proposal was modelled in 3-D using SketchUp and the following hours of solar access to each apartment, in each of the three buildings, were determined. A typical plan also accompanies illustrating the access provided to each apartment, at various times during the day.

	BUILDING A					BUILDING B					BUILDING C				
LEVEL	Apartment	Solar Access - BALCONY	ADG Compliance	Solar Access - LIVING	ADG Compliance	Apartment	Solar Access - BALCONY	ADG Compliance	Solar Access - LIVING	ADG Compliance	Apartment	Solar Access - BALCONY	ADG Compliance	Solar Access - LIVING	ADG Compliance
LOWER GROUND	A / 01	10.30 - 3.00	Yes	12.00 - 3.00	Yes	B / 01	10.30 - 3.00	Yes	12.00 - 3.00	Yes	C / 02	10.30 - 2.00	Yes	12.00 - 2.00	No
	A / 02	9.30 - 3.00	Yes	12.00 - 3.00	Yes	B / 02	9.30 - 3.00	Yes	12.00 - 3.00	Yes	C / 02	9.30 - 3.00	Yes	12.00 - 3.00	Yes
	A / 03	9.00 - 3.00	Yes	10.30 - 3.00	Yes	B / 03	9.00 - 12.00	Yes	10.30 - 11.30	No	C / 03	9.00 - 11.30	No	10.30 - 11.30	No
	A / 04	12.00 - 3.00	Yes	11.30 - 3.00	Yes	B / 04	12.00 - 3.00	Yes	11.30 - 3.00	Yes	C / 04	12.00 - 3.00	Yes	11.30 - 3.00	Yes
	A / 05	Sunrise to 9.00	No	Sunrise to 9.00	No	B / 05	Sunrise to 9.00	No	Sunrise to 9.00	No	C / 05	Sunrise to 9.00	No	Sunrise to 9.00	No
	A / 06	9.00 - 3.00	Yes	9.00 - 2.00	Yes	B / 06	9.00 - 3.00	Yes	9.00 - 2.00	Yes	C / 06	9.00 - 3.00	Yes	9.00 - 2.00	Yes
	A / 07	10.30 - 3.00	Yes	12.00 - 3.00	Yes	B / 07	10.30 - 3.00	Yes	12.00 - 3.00	Yes	C / 07	10.30 - 2.30	Yes	12.00 - 2.30	No
GROUND	A / 08	9.30 - 3.00	Yes	12.00 - 3.00	Yes	B / 08	9.30 - 3.00	Yes	12.00 - 3.00	Yes	C / 08	9.30 - 3.00	Yes	12.00 - 3.00	Yes
	A / 09	9.00 - 3.00	Yes	10.30 - 3.00	Yes	B / 09	9.00 - 3.00	Yes	10.30 - 3.00	Yes	C / 09	9.00 - 3.00	Yes	10.30 - 3.00	Yes
	A / 10	12.00 - 3.00	Yes	11.30 - 3.00	Yes	B / 10	12.00 - 3.00	Yes	12.00 - 3.00	Yes	C / 10	12.00 - 3.00	Yes	11.30 - 3.00	Yes
	A / 11	Sunrise to 9.00	No	Sunrise to 9.00	No	B / 11	Sunrise to 9.00	No	Sunrise to 9.00	No	C / 11	Sunrise to 9.00	No	Sunrise to 9.00	No
	A / 12	9.00 - 3.00	Yes	9.00 - 2.00	Yes	B / 12	9.00 - 3.00	Yes	9.00 - 2.00	Yes	C / 12	9.00 - 3.00	Yes	9.00 - 2.00	Yes
	A / 13	10.30 - 3.00	Yes	12.00 - 3.00	Yes	B / 13	10.30 - 3.00	Yes	12.00 - 3.00	Yes	C / 13	10.30 - 3.00	Yes	12.00 - 3.00	Yes
FIRST	A / 14	9.30 - 3.00	Yes	12.00 - 3.00	Yes	B / 14	9.30 - 3.00	Yes	12.00 - 3.00	Yes	C / 14	9.30 - 3.00	Yes	12.00 - 3.00	Yes
	A / 15	9.30 - 3.00	Yes	9.00 - 3.00	Yes	B / 15	9.00 - 3.00	Yes	9.00 - 3.00	Yes	C / 15	9.00 - 3.00	Yes	9.00 - 3.00	Yes
	A / 16	12.00 - 3.00	Yes	10.00 - 3.00	Yes	B / 16	12.00 - 3.00	Yes	10.00 - 3.00	Yes	C / 16	12.00 - 3.00	Yes	10.00 - 3.00	Yes
	A / 17	9.00 - 12.00	Yes	9.00 - 3.00	Yes	B / 17	9.00 - 12.00	Yes	9.00 - 2.00	Yes	C / 17	9.00 - 12.00	Yes	9.00 - 2.00	Yes
	ADG COMPLYING		15	15		ADG COMPLYING		15	14		ADG COMPLYING		14	12	

APARTMENT DESIGN GUIDE COMPLIANCE REQUIREMENT = 70% OF APARTMENTS TO ACHIEVE 3 HOURS MIN. SOLAR ACCESS

SOLAR ACCESS TO PRIVATE OPEN SPACE AREAS

KACOE DEVELOPMENT ILU NUMBER = 51

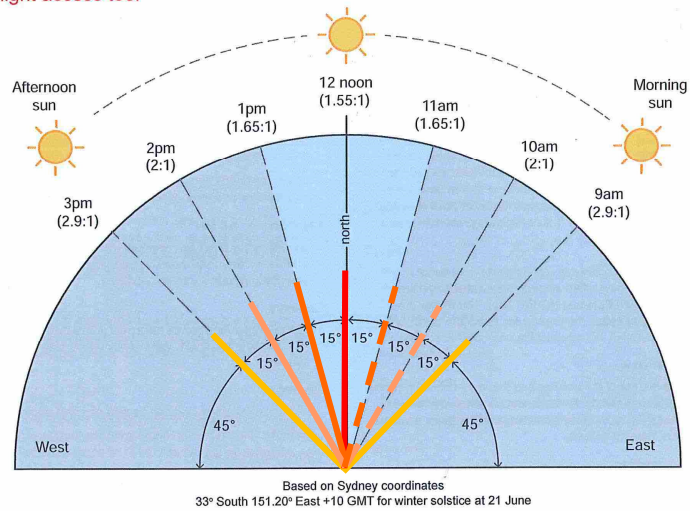
KACOE DEVELOPMENT ACHIEVING >3 HOURS to ‘PRIVATE OPEN SPACE AREAS’ = **44**
ACHIEVED COMPLIANCE = **86%**

SOLAR ACCESS TO LIVING AREAS

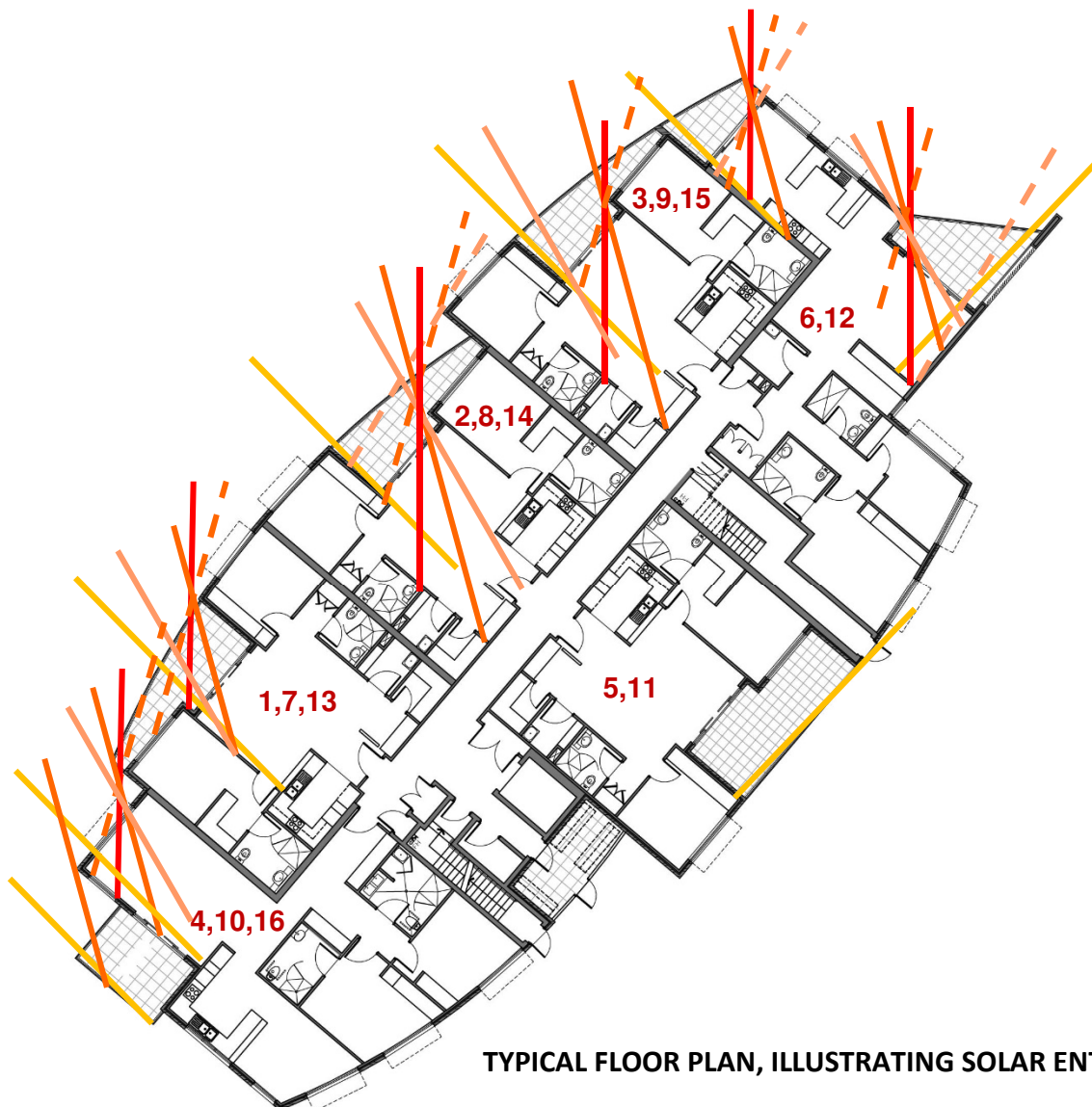
KACOE DEVELOPMENT ILU NUMBER = 51

KACOE DEVELOPMENT ACHIEVING >3 HOURS to ‘LIVING ROOMS’ = **41**
ACHIEVED COMPLIANCE = **80%**

Sunlight access tool



APARTMENT DESIGN GUIDE - SOLAR ACCESS TOOL



TYPICAL FLOOR PLAN, ILLUSTRATING SOLAR ENTRY