

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

Window and skylight data should represent the major proportion of its use in the development.

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL 227 (TPMISC 669) - TOWER 1		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	15	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	NW	NE	SE	SW				
Average Absorptivity	0.9	0.960	0.904	0.937				
Average Window to Wall Ratio	0	0.663	0.08	0.613				
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3				
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3				
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NW				NE				SE				SW			
Wall Orientation Factor		0.965				0.924				1.051				1.092			
Total External Wall Area (Residential Units)		238.0 m ²		Window to Wall Ratio = 0		1848.1 m ²		Window to Wall Ratio = 0.663		586.7 m ²		Window to Wall Ratio = 0.08		423.0 m ²		Window to Wall Ratio = 0.613	
Total Window Factor		0 m ²				1224.9 m ²				46.7 m ²				212.0 m ²			
Heat Conduction	Opaque Wall	12.49 W/m ²				2.82 W/m ²				12.31 W/m ²				5.57 W/m ²			
	Window	0 W/m ²				0.74 W/m ²				0.1 W/m ²				0.67 W/m ²			
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 1224.9 m ²	SC= 0.3	VLT= 50 %	☒ Reflective	Area= 46.7 m ²	SC= 0.3	VLT= 50 %	☒ Reflective	Area= 212.0 m ²	SC= 0.3	VLT= 50 %
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %
	Double Glazing	☐ Yes ☐ No				☒ Yes ☐ No				☒ Yes ☐ No				☒ Yes ☐ No			
	External Shading	Overhang		☐ Yes ☐ No	Overhang		☒ Yes ☐ No	Overhang		☒ Yes ☐ No	Overhang		☒ Yes ☐ No	Overhang		☒ Yes ☐ No	
		Sidefin		☐ Yes ☐ No	Sidefin		☐ Yes ☒ No	Sidefin		☐ Yes ☒ No	Sidefin		☐ Yes ☒ No				
	Solar Radiation through Glazing		0 W/m ²				7.21 W/m ²				1.05 W/m ²				6.50 W/m ²		
Average Absorptivity		0.90				0.96				0.904				0.937			
RTTV _{Wall} at each facade		12.49 W/m ²				10.77 W/m ²				13.45 W/m ²				12.74 W/m ²			
Overall RTTV _{Wall}		11.68 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		226.5 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

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PNAP
APP-156

Appendix A

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TPMISC 699) - TOWER 2		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	15	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	NW	NE	SE	SW			
Average Absorptivity	0.9	0.961	0.9	0.94			
Average Window to Wall Ratio	0	0.688	0	0.625			
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3			
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3			
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NW				NE				SE				SW				
Wall Orientation Factor		0.965				0.924				1.051				1.092				
Total External Wall Area (Residential Units)		505.5 m ²		Window to Wall Ratio = 0		2888.1 m ²		Window to Wall Ratio = 0.688		505.5 m ²		Window to Wall Ratio = 0		894.4 m ²		Window to Wall Ratio = 0.625		
Total Window Factor		0 m ²				1987.5 m ²				0 m ²				447.5 m ²				
Heat Conduction	Opaque Wall	12.51 W/m ²				2.59 W/m ²				13.63 W/m ²				5.49 W/m ²				
	Window	0 W/m ²				0.77 W/m ²				0 W/m ²				0.66 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 1987.5 m ²	SC= 0.3	VLT= 50 %	☐ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 447.5 m ²	SC= 0.3	VLT= 50 %	
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	
	Double Glazing	☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				
	External Shading	Overhang	☐ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☐ No				Overhang ☒ Yes ☐ No			
		Sidefin	☐ Yes ☐ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☒ No			
Solar Radiation through Glazing		0 W/m ²				7.44 W/m ²				0 W/m ²				6.84 W/m ²				
Average Absorptivity		0.9				0.961				0.9				0.9				
RTTV _{Wall} at each facade		12.51 W/m ²				10.80 W/m ²				13.63 W/m ²				13.0 W/m ²				
Overall RTTV _{Wall}		11.69 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		359.6				m ²			
Total Skylight Area		0				m ²			
Heat Conduction	Roof	3.30				W/m ²			
	Skylight	N/A				W/m ²			
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A				W/m ²		
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30				W/m ²			

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PNAP
APP-156

Appendix **A**

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL 227 (TPMISC 699) - TOWER 3		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	15	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing	NW	NE	SE	SW					
Average Absorptivity	0.9	0.97	0.9	0.927					
Average Window to Wall Ratio	0	0.673	0	0.458					
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3					
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3					
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NW				NE				SE				SW				
Wall Orientation Factor		0.965				0.924				1.051				1.092				
Total External Wall Area (Residential Units)		406.7 m ²	Window to Wall Ratio			1597.0 m ²	Window to Wall Ratio			537.6 m ²	Window to Wall Ratio			595.2 m ²	Window to Wall Ratio			
Total Window Factor		0 m ²	= 0			1075.5 m ²	= 0.673			0 m ²	= 0			228.1 m ²	= 0.458			
Heat Conduction	Opaque Wall	12.49 W/m ²				2.57 W/m ²				13.60 W/m ²				7.42 W/m ²				
	Window	0 W/m ²				0.75 W/m ²				0 W/m ²				0.51 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 1075.5 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 228.1 m ²	SC= 0.3	VLT= 50 % ER= 17 %	
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				
	External Shading	Overhang	☐ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☐ No				Overhang ☒ Yes ☐ No			
		Sidfin	☐ Yes ☐ No				Sidfin ☐ Yes ☒ No				Sidfin ☐ Yes ☐ No				Sidfin ☐ Yes ☒ No			
Solar Radiation through Glazing		0 W/m ²				7.44 W/m ²				0 W/m ²				5.24 W/m ²				
Average Absorptivity		0.9				0.97				0.9				0.927				
RTTV _{Wall} at each facade		12.49 W/m ²				10.77 W/m ²				13.6 W/m ²				13.18 W/m ²				
Overall RTTV _{Wall}		11.93 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		188.7				m²			
Total Skylight Area		0				m²			
Heat Conduction	Roof	3.30				W/m²			
	Skylight	N/A				W/m²			
Skylight N/A	Glass Type	☐ Reflective	Area=	m²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A				W/m²		
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30				W/m²			

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PNAP
APP-156

Appendix A

Address: CHONG SAN ROAD, PAK SHEK KOK, TAIPO, TPTL227 (TPMISC 699) - TOWER 5		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	NW	NE	SE	SW			
Average Absorptivity	0.95	0.9	0.946	0.9			
Average Window to Wall Ratio	0.577	0	0.566	0			
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3			
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3			
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%

Table 2

RTTV _{Wall}																			
Facade Orientation Facing		NW				NE				SE				SW					
Wall Orientation Factor		0.965				0.924				1.051				1.092					
Total External Wall Area (Residential Units)		1869.7 m ²		Window to Wall Ratio = 0.577		224.7 m ²		Window to Wall Ratio = 0		1808.8 m ²		Window to Wall Ratio = 0.566		1144.8 m ²		Window to Wall Ratio = 0			
Total Window Factor		1079.2 m ²				0 m ²				1023.7 m ²				0 m ²					
Heat Conduction	Opaque Wall	4.02 W/m ²				11.96 W/m ²				4.58 W/m ²				14.14 W/m ²					
	Window	0.68 W/m ²				0 W/m ²				0.72 W/m ²				0 W/m ²					
Window	Glass Type	☒ Reflective	Area= 1079.2 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 1023.7 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %		
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %		
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %		
	Double Glazing	☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No					
	External Shading	Overhang		☒ Yes ☐ No			Overhang		☐ Yes ☐ No			Overhang		☒ Yes ☐ No			Overhang		☐ Yes ☐ No
		Sidefin		☐ Yes ☒ No			Sidefin		☐ Yes ☐ No			Sidefin		☐ Yes ☒ No			Sidefin		☐ Yes ☐ No
	Solar Radiation through Glazing		6.75 W/m ²				0 W/m ²				7.02 W/m ²				0 W/m ²				
Average Absorptivity		0.95				0.9				0.946				0.9					
RTTV _{Wall} at each facade		11.45 W/m ²				11.96 W/m ²				12.33 W/m ²				14.14 W/m ²					
Overall RTTV _{Wall}		12.40 W/m ²																	

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		273.9 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

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PNAP
APP-156

Appendix A

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TP MISC 699) - TOWER 6		BD Ref. No.
Building Type:	Residential	
RTTV calculated by:	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	NW	NE	SE	SW			
Average Absorptivity	0.947	0.9	0.95	0.9			
Average Window to Wall Ratio	0.598	0	0.607	0			
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3			
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3			
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NW				NE				SE				SW				
Wall Orientation Factor		0.965				0.924				1.051				1.092				
Total External Wall Area (Residential Units)		1813.2 m ²		Window to Wall Ratio = 0.598		222.5 m ²		Window to Wall Ratio = 0		1926.9 m ²		Window to Wall Ratio = 0.607		327.8 m ²		Window to Wall Ratio = 0		
Total Window Factor		1084.7 m ²				0 m ²				1170.6 m ²				0 m ²				
Heat Conduction	Opaque Wall	3.84 W/m ²				11.96 W/m ²				4.02 W/m ²				14.14 W/m ²				
	Window	0.7 W/m ²				0 W/m ²				0.78 W/m ²				0 W/m ²				
Window	Glass Type	☒ Reflective	Area= 1084.7 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 1170.6 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				
	External Shading	Overhang	☒ Yes ☐ No				Overhang ☐ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☐ No			
		Sidefin	☐ Yes ☒ No				Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☐ No			
	Solar Radiation through Glazing		6.84 W/m ²				0 W/m ²				7.34 W/m ²				0 W/m ²			
	Average Absorptivity		0.947				0.9				0.95				0.9			
	RTTV _{Wall} at each facade		11.38 W/m ²				11.96 W/m ²				12.13 W/m ²				14.14 W/m ²			
	Overall RTTV _{Wall}		11.96 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		330.8 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

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Address: CHONG SAN ROAD, PAK SHEK KOK, TAIPO, TPTL227 (TPMISC 669) - TOWER 7		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing	NW	NE	SE	SW					
Average Absorptivity	0.954	0.9	0.956	0.9					
Average Window to Wall Ratio	0.629	0	0.633	0					
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3					
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3					
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NW				NE				SE				SW				
Wall Orientation Factor		0.965				0.924				1.051				1.092				
Total External Wall Area (Residential Units)		1761.7 m ²		Window to Wall Ratio = 0.629		1791.2 m ²		Window to Wall Ratio = 0		1844.0 m ²		Window to Wall Ratio = 0.633		147.9 m ²		Window to Wall Ratio = 0		
Total Window Factor		1107.2 m ²				0 m ²				1167.6 m ²				0 m ²				
Heat Conduction	Opaque Wall	3.40 W/m ²				11.98 W/m ²				3.61 W/m ²				14.14 W/m ²				
	Window	0.74 W/m ²				0 W/m ²				0.81 W/m ²				0 W/m ²				
Window	Glass Type	☒ Reflective	Area= 1107.2 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 1167.6 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
		☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				
		Overhang		☒ Yes ☐ No	Overhang		☐ Yes ☐ No	Overhang		☒ Yes ☐ No	Overhang		☐ Yes ☐ No	Overhang		☐ Yes ☐ No		
		Sidefin		☐ Yes ☒ No	Sidefin		☐ Yes ☐ No	Sidefin		☐ Yes ☒ No	Sidefin		☐ Yes ☐ No	Sidefin		☐ Yes ☐ No		
	Solar Radiation through Glazing		7.19 W/m ²				0 W/m ²				7.64 W/m ²				0 W/m ²			
	Average Absorptivity		0.954				0.9				0.956				0.9			
RTTV _{Wall} at each facade		11.33 W/m ²				11.98 W/m ²				12.06 W/m ²				14.14 W/m ²				
Overall RTTV _{Wall}		11.86 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		337.2 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.3 W/m ²							
	Skylight	N/A W/m ²							
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

Window and skylight data should represent the major proportion of its use in the development.

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TP MISC 699) - TOWER B		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	NW	NE	SE	SW			
Average Absorptivity	0.9	0.962	0.9	0.94			
Average Window to Wall Ratio	0	0.675	0	0.672			
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3			
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3			
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NW				NE				SE				SW			
Wall Orientation Factor		0.965				0.924				1.051				1.092			
Total External Wall Area (Residential Units)		775.3 m ²		Window to Wall Ratio = 0		1475.2 m ²		Window to Wall Ratio = 0.675		782.1 m ²		Window to Wall Ratio = 0		2190.1 m ²		Window to Wall Ratio = 0.672	
Total Window Factor		0 m ²				996.5 m ²				0 m ²				1209.7 m ²			
Heat Conduction	Opaque Wall	12.49 W/m ²				2.67 W/m ²				13.61 W/m ²				4.86 W/m ²			
	Window	0 W/m ²				0.76 W/m ²				0 W/m ²				0.73 W/m ²			
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 996.5 m ²	SC= 0.3	VLT= 50 %	☐ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 1209.7 m ²	SC= 0.3	VLT= 50 %
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %
	Double Glazing	☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No			
	External Shading	Overhang		☐ Yes ☐ No	Overhang		☒ Yes ☐ No	Overhang		☐ Yes ☐ No	Overhang		☒ Yes ☐ No				
		Sidefin		☐ Yes ☐ No	Sidefin		☐ Yes ☒ No	Sidefin		☐ Yes ☐ No	Sidefin		☐ Yes ☒ No				
	Solar Radiation through Glazing		0 W/m ²				7.32 W/m ²				0 W/m ²				6.91 W/m ²		
Average Absorptivity		0.9				0.962				0.9				0.94			
RTTV _{Wall} at each facade		12.49 W/m ²				10.75 W/m ²				13.61 W/m ²				12.50 W/m ²			
Overall RTTV _{Wall}		12.17 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		304.7 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

Window and skylight data should represent the major proportion of its use in the development.

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TPMISL669) - TOWER 9		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing	NW	NE	SE	SW					
Average Absorptivity	0.9	0.969	0.9	0.972					
Average Window to Wall Ratio	0	0.666	0	0.666					
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3					
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3					
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%	%

Table 2

RTTV _{Wall}																			
Facade Orientation Facing		NW				NE				SE				SW					
Wall Orientation Factor		0.965				0.924				1.051				1.092					
Total External Wall Area (Residential Units)		638.7 m ²		Window to Wall Ratio = 0		2330.4 m ²		Window to Wall Ratio = 0.666		535.0 m ²		Window to Wall Ratio = 0		2737.2 m ²		Window to Wall Ratio = 0.666			
Total Window Factor		0 m ²				1552.2 m ²				0 m ²				1822.1 m ²					
Heat Conduction	Opaque Wall	12.49 W/m ²				2.65 W/m ²				13.61 W/m ²				3.09 W/m ²					
	Window	0 W/m ²				0.75 W/m ²				0 W/m ²				0.88 W/m ²					
Window	Glass Type	☒ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 1552.2 m ²	SC= 0.3	VLT= 50 %	☐ Reflective	Area= m ²	SC=	VLT= %	☒ Reflective	Area= 1822.1 m ²	SC= 0.3	VLT= 50 %		
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %		
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %		
	Double Glazing	☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No					
	External Shading	Overhang	☐ Yes ☐ No				Overhang	☒ Yes ☐ No				Overhang	☐ Yes ☐ No				Overhang	☒ Yes ☐ No	
		Sidefin	☐ Yes ☐ No				Sidefin	☐ Yes ☒ No				Sidefin	☐ Yes ☐ No				Sidefin	☐ Yes ☒ No	
Solar Radiation through Glazing		0 W/m ²				7.41 W/m ²				0 W/m ²				8.61 W/m ²					
Average Absorptivity		0.9				0.969				0.9				0.972					
RTTV _{Wall} at each facade		12.49 W/m ²				10.81 W/m ²				13.61 W/m ²				12.59 W/m ²					
Overall RTTV _{Wall}		12.00 W/m ²																	

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		475.2				m ²			
Total Skylight Area		0				m ²			
Heat Conduction	Roof	3.30				W/m ²			
	Skylight	N/A				W/m ²			
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
Solar Radiation through Glazing		N/A				W/m ²			
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30				W/m ²			

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

Window and skylight data should represent the major proportion of its use in the development.

PNAP
APP-156

Appendix A

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TP MI SC 699) - TOWER 10		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing	NW	NE	SE	SW					
Average Absorptivity	0.937	0.951	0.9	0.94					
Average Window to Wall Ratio	0.467	0.562	0	0.514					
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3					
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3					
Visible Light Transmittance	50 %	50 %	50 %	0 %	%	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NW				NE				SE				SW				
Wall Orientation Factor		0.965				0.924				1.051				1.092				
Total External Wall Area (Residential Units)		1466.3 m ²		Window to Wall Ratio = 0.467		2567.2 m ²		Window to Wall Ratio = 0.562		421.5 m ²		Window to Wall Ratio = 0		1949.7 m ²		Window to Wall Ratio = 0.514		
Total Window Factor		685.4 m ²				1441.9 m ²				0 m ²				1001.5 m ²				
Heat Conduction	Opaque Wall	5.50 W/m ²				3.98 W/m ²				13.60 W/m ²				5.55 W/m ²				
	Window	0.55 W/m ²				0.63 W/m ²				0 W/m ²				0.68 W/m ²				
Window	Glass Type	☒ Reflective	Area= 685.4 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☒ Reflective	Area= 1441.9 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 1001.5 m ²	SC= 0.3	VLT= 50 % ER= 17 %	
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	☒ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				
	External Shading	Overhang	☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☐ No				Overhang ☒ Yes ☐ No			
		Sidefin	☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☒ No			
	Solar Radiation through Glazing		5.63 W/m ²				6.40 W/m ²				0 W/m ²				6.75 W/m ²			
Average Absorptivity		0.937				0.951				0.9				0.94				
RTTV _{Wall} at each facade		11.67 W/m ²				11.01 W/m ²				13.60 W/m ²				12.98 W/m ²				
Overall RTTV _{Wall}		11.93 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		424.8 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

Window and skylight data should represent the major proportion of its use in the development.

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL 227 (TP MISC 669) - TOWER 11		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing	NW	NE	SE	SW					
Average Absorptivity	0.952	0.9	0.95	0.9					
Average Window to Wall Ratio	0.590	0	0.582	0					
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3					
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3					
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%	%

Table 2

RTTV _{Wall}																						
Facade Orientation Facing		NW					NE					SE					SW					
Wall Orientation Factor		0.965					0.924					1.051					1.092					
Total External Wall Area (Residential Units)		1729.9 m ²		Window to Wall Ratio = 0.590			987.6 m ²		Window to Wall Ratio = 0			1629.5 m ²		Window to Wall Ratio = 0.582			139.2 m ²		Window to Wall Ratio = 0			
Total Window Factor		1021.2 m ²					0 m ²					948.4 m ²					0 m ²					
Heat Conduction	Opaque Wall	3.83 W/m ²					11.96 W/m ²					4.31 W/m ²					14.14 W/m ²					
	Window	0.69 W/m ²					0 W/m ²					0.74 W/m ²					0 W/m ²					
Window	Glass Type	☒ Reflective	Area= 1021.2 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 948.4 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %					
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %					
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %					
	Double Glazing	☒ Yes ☐ No					☐ Yes ☐ No					☒ Yes ☐ No					☐ Yes ☐ No					
	External Shading	Overhang	☒ Yes ☐ No					Overhang ☐ Yes ☐ No					Overhang ☒ Yes ☐ No					Overhang ☐ Yes ☐ No				
		Sidewall	☐ Yes ☒ No					Sidewall ☐ Yes ☐ No					Sidewall ☐ Yes ☒ No					Sidewall ☐ Yes ☐ No				
	Solar Radiation through Glazing		6.91 W/m ²					0 W/m ²					7.24 W/m ²					0 W/m ²				
	Average Absorptivity		0.952					0.9					0.95					0.9				
	RTTV _{Wall} at each facade		11.43 W/m ²					11.96 W/m ²					12.30 W/m ²					14.14 W/m ²				
	Overall RTTV _{Wall}		11.95 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		271.1 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	N/A								
Solar Radiation through Glazing		N/A W/m ²							
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

Window and skylight data should represent the major proportion of its use in the development.

PNAP
APP-156

Appendix A

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TP Misc 669) - TOWER 12		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	NW	NE	SE	SW				
Average Absorptivity	0.95	0.9	0.947	0.9				
Average Window to Wall Ratio	0.607	0	0.598	0				
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3				
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3				
Visible Light Transmittance	50 %	50 %	50 %	50 %	%	%	%	%
External Reflectance	17 %	17 %	17 %	17 %	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NW				NE				SE				SW				
Wall Orientation Factor		0.965				0.924				1.051				1.092				
Total External Wall Area (Residential Units)		1926.9 m ²		Window to Wall Ratio = 0.607		222.5 m ²		Window to Wall Ratio = 0		1813.2 m ²		Window to Wall Ratio = 0.598		327.8 m ²		Window to Wall Ratio = 0		
Total Window Factor		1170.6 m ²				0 m ²				1084.7 m ²				0 m ²				
Heat Conduction	Opaque Wall	3.69 W/m ²				11.96 W/m ²				4.19 W/m ²				14.14 W/m ²				
	Window	0.71 W/m ²				0 W/m ²				0.76 W/m ²				0 W/m ²				
Window	Glass Type	☒ Reflective	Area= 1170.6 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 1084.7 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No				
	External Shading	Overhang	☒ Yes ☐ No				Overhang ☐ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☐ No			
		Sidefin	☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☐ No			
	Solar Radiation through Glazing		6.97 W/m ²				0 W/m ²				7.17 W/m ²				0 W/m ²			
Average Absorptivity		0.95				0.9				0.947				0.9				
RTTV _{Wall} at each facade		11.37 W/m ²				11.69 W/m ²				12.12 W/m ²				14.14 W/m ²				
Overall RTTV _{Wall}		11.93 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		330.8 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.30 W/m ²							
	Skylight	N/A W/m ²							
Skylight N/A	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing		N/A W/m ²						
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30 W/m ²							

RTTV Summary Sheet

Notes:
ER = External Reflectance
SC = Shading Coefficient
VLT = Visible Light Transmittance
Window and skylight data should represent the major proportion of its use in the development.

Address: CHONG SAN ROAD, PAK SHEK KOK, TAI PO, TPTL227 (TP MISC 669) - TOWER 13		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	18	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	NW	NE	SE	SW			
Average Absorptivity	0.945	0.9	0.948	0.9			
Average Window to Wall Ratio	0.577	0	0.59	0			
Shading Coefficient of Glazing	0.3	0.3	0.3	0.3			
Average Shading Coefficient of Facade	0.3	0.3	0.3	0.3			
Visible Light Transmittance	50 %	50 %	50 %	50 %			
External Reflectance	17 %	17 %	17 %	17 %			

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NW				NE				SE				SW			
Wall Orientation Factor		0.965				0.924				1.051				1.092			
Total External Wall Area (Residential Units)		1623.8 m ²		Window to Wall Ratio = 0.577		199.9 m ²		Window to Wall Ratio = 0		1691.1 m ²		Window to Wall Ratio = 0.59		1018.8 m ²		Window to Wall Ratio = 0	
Total Window Factor		937.1 m ²				0 m ²				997.1 m ²				0 m ²			
Heat Conduction	Opaque Wall	4.11 W/m ²				11.96 W/m ²				4.26 W/m ²				14.13 W/m ²			
	Window	0.68 W/m ²				0 W/m ²				0.75 W/m ²				0 W/m ²			
Window	Glass Type	☒ Reflective	Area= 937.1 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Reflective	Area= 997.1 m ²	SC= 0.3	VLT= 50 % ER= 17 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	☒ Yes ☐ No				☐ Yes ☐ No				☒ Yes ☐ No				☐ Yes ☐ No			
	External Shading	Overhang		☒ Yes ☐ No		Overhang		☐ Yes ☐ No		Overhang		☒ Yes ☐ No		Overhang		☐ Yes ☐ No	
		Sidefin		☐ Yes ☒ No		Sidefin		☐ Yes ☐ No		Sidefin		☐ Yes ☒ No		Sidefin		☐ Yes ☐ No	
Solar Radiation through Glazing		6.64 W/m ²				0 W/m ²				7.19 W/m ²				0 W/m ²			
Average Absorptivity		0.945				0.9				0.948				0.9			
RTTV _{Wall} at each facade		11.43 W/m ²				11.96 W/m ²				12.21 W/m ²				14.13 W/m ²			
Overall RTTV _{Wall}		12.35 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		273.9				m ²			
Total Skylight Area		0				m ²			
Heat Conduction	Roof	3.30				W/m ²			
	Skylight	N/A				W/m ²			
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	N/A								
Solar Radiation through Glazing		N/A				W/m ²			
Average Absorptivity (roof)		0.70							
Overall RTTV _{Roof}		3.30				W/m ²			