

Appendix A
(PNAP APP-156)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing							
Average Absorptivity							
Average Window to Wall Ratio							
Shading Coefficient of Glazing							
Average Shading Coefficient of Facade							
Visible Light Transmittance	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}													
Facade Orientation Facing		NORTH			EAST			WEST			SOUTH		
Wall Orientation Factor		0.79			1.012			1.131			0.915		
Total External Wall Area (Residential Units)		428.08 m ²			801.07 m ²			1288.55 m ²			317.87 m ²		
Total Window Area		26.78 m ² = 0.062			389.69 m ² = 0.487			628.48 m ² = 0.52			0 m ² = 0		
Heat Conduction	Opaque Wall	7.50 W/m ²			1.44 W/m ²			2.06 W/m ²			9.37 W/m ²		
	Window	0.06 W/m ²			0.61 W/m ²			0.69 W/m ²			0 W/m ²		
Window	Glass Type	☐ Reflective	Area= m ²	SC= %	VLT= %	☐ Reflective	Area= m ²	SC= %	VLT= %	☐ Reflective	Area= m ²	SC= %	VLT= %
		☒ Tinted	Area= 1.30 m ²	SC= 0.48	VLT= 51%	☒ Tinted	Area= 389.69 m ²	SC= 0.48	VLT= 51%	☒ Tinted	Area= 628.48 m ²	SC= 0.48	VLT= 51%
		☐ 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			☒ Yes ☐ No			☒ Yes ☐ No			☐ Yes ☒ No		
	Sidefin	☐ Yes ☒ No			☒ Yes ☐ No			☒ Yes ☐ No			☐ Yes ☒ No		
Solar Radiation through Glazing		0.99 W/m ²			10.45 W/m ²			11.79 W/m ²			0 W/m ²		
Average Absorptivity		0.9			0.47			0.53			0.87		
RTTV _{Wall} at each facade		8.55 W/m ²			12.11 W/m ²			14.54 W/m ²			9.37 W/m ²		
Overall RTTV _{Wall}		12.42 W/m ²											

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		293 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	0 m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☒ No							
	External Shading	☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes:

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NORTH WEST				NORTH EAST				SOUTH WEST				SOUTH EAST			
Wall Orientation Factor		0.965				0.924				1.092				1.051			
Total External Wall Area (Residential Units)		141.15 m ²				496.92 m ²				455.78 m ²				1281.41 m ²			
Total Window Area		821.52 m ²				0 m ²				1.99 m ²				848.94 m ²			
Window to Wall Ratio		= 0.72				= 0				= 0.01				= 0.66			
Heat Conduction	Opaque Wall	2.74 W/m ²				1.63 W/m ²				2.26 W/m ²				3.46 W/m ²			
	Window	0.82 W/m ²				0 W/m ²				0.01 W/m ²				0.82 W/m ²			
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %
		☒ Tinted	821.52 m ²	0.48	51%	☐ Tinted				☒ Tinted	1.77 m ²	0.48	51%	☒ Tinted	848.94 m ²	0.48	51%
		☐ Clear				☐ Clear				☐ Clear				☐ Clear			
Double Glazing		☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No			
	External Shading	Overhang ☒ Yes ☐ No Sidefin ☒ Yes ☐ No				Overhang ☒ Yes ☐ No Sidefin ☐ Yes ☒ No				Overhang ☐ Yes ☒ No Sidefin ☐ Yes ☒ No				Overhang ☒ Yes ☐ No Sidefin ☒ Yes ☐ No			
Solar Radiation through Glazing		13.92 W/m ²				0 W/m ²				0.09 W/m ²				13.95 W/m ²			
Average Absorptivity		0.9				0.41				0.43				0.88			
RTTV _{Wall} at each facade		17.48 W/m ²				1.63 W/m ²				2.36 W/m ²				18.23 W/m ²			
Overall RTTV _{Wall}		13.38 W/m ²															

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		330 m ²					
Total Skylight Area		0 m ²					
Heat Conduction	Roof	1.87 W/m ²					
	Skylight	0 W/m ²					
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %	
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %	
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %	
	Double Glazing	☐ Yes ☒ No					
	External Shading	☐ Yes ☒ No					
Solar Radiation through Glazing		0 W/m ²					
Average Absorptivity (roof)		0.8					
Overall RTTV _{Roof}		1.87 W/m ²					

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance		%	%	%	%	%	%	%	%
External Reflectance		%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																										
Facade Orientation Facing		NORTH EAST						NORTH WEST						SOUTH EAST						SOUTH WEST						
Wall Orientation Factor		0.724						0.965						1.051						1.092						
Total External Wall Area (Residential Units)		416.56 m ²						1416.15 m ²						1054.91 m ²						452.39 m ²						
Window to Wall Ratio		= 0.01						= 0.51						= 0.21						= 0.08						
Total Window Area		2.53 m ²						715.54 m ²						221.94 m ²						37.24 m ²						
Heat Conduction	Opaque Wall	8.74 W/m ²						2.75 W/m ²						6.69 W/m ²						9.44 W/m ²						
	Window	0.91 W/m ²						0.57 W/m ²						0.26 W/m ²						0.11 W/m ²						
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %									
		☒ Tinted	Area= 2.53 m ²	SC= 0.48	VLT= 51%	☒ Tinted	Area= 715.54 m ²	SC= 0.48	VLT= 51%	☒ Tinted	Area= 221.94 m ²	SC= 0.48	VLT= 51%	☒ Tinted	Area= 37.24 m ²	SC= 0.48	VLT= 51%									
		☐ 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 External Shading	☐ Yes ☒ No						☐ Yes ☒ No						☐ Yes ☒ No						☐ 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		0.11 W/m ²						9.77 W/m ²						4.43 W/m ²						1.80 W/m ²					
	Average Absorptivity		0.41						0.64						0.78						0.86					
	RTTV _{Wall} at each facade		8.86 W/m ²						13.10 W/m ²						11.38 W/m ²						11.35 W/m ²					
	Overall RTTV _{Wall}		11.79 W/m ²																							

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		325 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %			
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %			
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %			
	Double Glazing	☐ Yes ☒ No							
	External Shading	☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes:

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (TOWER 15)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance		%	%	%	%	%	%	%	%
External Reflectance		%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																						
Facade Orientation Facing		NORTH WEST					NORTH EAST					SOUTH WEST					SOUTH EAST					
Wall Orientation Factor		0.965					0.924					1.092					1.051					
Total External Wall Area (Residential Units)		1243.07 m ²					592.40 m ²					498.61 m ²					1269.21 m ²					
Window to Wall Ratio		0.63					0.19					0.04					0.51					
Total Window Area		788.87 m ²					113.05 m ²					20.84 m ²					651.66 m ²					
Heat Conduction	Opaque Wall	3.57 W/m ²										2.54 W/m ²					5.04 W/m ²					
	Window	0.72 W/m ²					0.21 W/m ²					0.05 W/m ²					0.64 W/m ²					
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	
		☒ Tinted	Area= 88.87 m ²	SC= 0.48	VLT= 51%	ER= 20%	☒ Tinted	Area= 113.05 m ²	SC= 0.48	VLT= 51%	ER= 20%	☒ Tinted	Area= 20.84 m ²	SC= 0.48	VLT= 51%	ER= 20%	☒ Tinted	Area= 651.66 m ²	SC= 0.48	VLT= 51%	ER= 20%	
		☐ 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								
	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		12.27 W/m ²					3.53 W/m ²					0.91 W/m ²					10.81 W/m ²				
	Average Absorptivity		0.9					0.42					0.45					0.88				
	RTTV _{Wall} at each facade		16.57 W/m ²					6.50 W/m ²					3.51 W/m ²					16.49 W/m ²				
	Overall RTTV _{Wall}		13.08 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		305 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %			
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %			
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %			
	Double Glazing	☐ Yes ☒ No							
	External Shading	☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (Tower 16)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance		%	%	%	%	%	%	%	%
External Reflectance		%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NORTH				EAST				WEST				SOUTH				
Wall Orientation Factor		0.29				1.072				1.31				0.975				
Total External Wall Area (Residential Units)		393.49 m ²				1102.25 m ²				1180.60 m ²				490.23 m ²				
Window to Wall Ratio		0.05				0.58				0.42				0.04				
Total Window Area		20.84 m ²				642.55 m ²				501.73 m ²				20.84 m ²				
Heat Conduction	Opaque Wall	7.58 W/m ²				1.49 W/m ²				3.74 W/m ²				9.13 W/m ²				
	Window	0.05 W/m ²				0.74 W/m ²				0.57 W/m ²				0.05 W/m ²				
Window	Glass Type	☐ Reflective	Area=	SC=	VLT=	☐ Reflective	Area=	SC=	VLT=	☐ Reflective	Area=	SC=	VLT=	☐ Reflective	Area=	SC=	VLT=	
		☒ Tinted	20.84 m ²	0.48	51%	☒ Tinted	642.55 m ²	0.48	51%	☒ Tinted	501.73 m ²	0.48	51%	☒ Tinted	20.84 m ²	0.48	51%	
		☐ Clear	Area=	SC=	VLT=	☐ Clear	Area=	SC=	VLT=	☐ Clear	Area=	SC=	VLT=	☐ Clear	Area=	SC=	VLT=	
		m ²		%	%	m ²		%	%	m ²		%	%	m ²		%	%	
	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		0.84 W/m ²				12.52 W/m ²				9.63 W/m ²				2.83 W/m ²			
	Average Absorptivity		0.9				0.50				0.64				0.88			
	RTTV _{Wall} at each facade		8.47 W/m ²				14.75 W/m ²				13.93 W/m ²				10.01 W/m ²			
Overall RTTV _{Wall}		12.93 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		312 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	0 m ²	SC=	VLT=	%	ER=	%
	Double Glazing		☐ Yes ☒ No						
	External Shading		☐ Yes ☒ No						
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (TOWER 17)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify :	
No. of Storeys (Residential Units)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																						
Facade Orientation Facing		NORTH WEST					NORTH EAST					SOUTH WEST					SOUTH EAST					
Wall Orientation Factor		0.965					0.924					1.092					1.051					
Total External Wall Area (Residential Units)		1261.52 m ²					463.86 m ²					624.01 m ²					1211.54 m ²					
Total Window Area		816.03 m ²					20.84 m ²					413.99 m ²					690.86 m ²					
Window to Wall Ratio		= 0.65					= 0.04					= 0.23					= 0.57					
Heat Conduction	Opaque Wall	3.45 W/m ²					4.59 W/m ²					2.07 W/m ²					4.43 W/m ²					
	Window	0.74 W/m ²					0.05 W/m ²					0.30 W/m ²					0.71 W/m ²					
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %					
		☒ Tinted	816.03 m ²	0.48	51%	☒ Tinted	20.84 m ²	0.48	51%	☒ Tinted	413.99 m ²	0.48	51%	☒ Tinted	690.86 m ²	0.48	51%					
		☐ 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					☒ Yes ☐ No					☒ Yes ☐ No					☒ Yes ☐ No				
		Sidefin	☒ Yes ☐ No					☐ Yes ☒ No					☐ Yes ☒ No					☒ Yes ☐ No				
	Solar Radiation through Glazing		12.51 W/m ²					0.83 W/m ²					5.05 W/m ²					12.01 W/m ²				
	Average Absorptivity		0.9					0.45					0.45					0.88				
RTTV _{Wall} at each facade		16.70 W/m ²					6.17 W/m ²					7.42 W/m ²					17.15 W/m ²					
Overall RTTV _{Wall}		13.81 W/m ²																				

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		311 m ²					
Total Skylight Area		0 m ²					
Heat Conduction	Roof	1.87 W/m ²					
	Skylight	0 W/m ²					
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %	
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %	
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %	
	Double Glazing	☐ Yes ☒ No					
	External Shading	☐ Yes ☒ No					
Solar Radiation through Glazing		0 W/m ²					
Average Absorptivity (roof)		0.8					
Overall RTTV _{Roof}		1.87 W/m ²					

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (Tower 18)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)		

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																						
Facade Orientation Facing		NORTH WEST					NORTH EAST					SOUTH WEST					SOUTH EAST					
Wall Orientation Factor		0.965					0.924					1.092					1.051					
Total External Wall Area (Residential Units)		1541.35 m ²					1064.57 m ²					980.59 m ²					1210.01 m ²					
Total Window Area		982.26 m ²					268.16 m ²					213.98 m ²					668.86 m ²					
Window to Wall Ratio		= 0.64					= 0.25					= 0.22					= 0.55					
Heat Conduction	Opaque Wall	3.55 W/m ²					3.60 W/m ²					4.55 W/m ²					4.62 W/m ²					
	Window	0.72 W/m ²					0.24 W/m ²					0.28 W/m ²					0.68 W/m ²					
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	
		☒ Tinted	Area= 982.26 m ²	SC= 0.48	VLT= 51%	ER= 20%	☒ Tinted	Area= 268.16 m ²	SC= 0.48	VLT= 51%	ER= 20%	☒ Tinted	Area= 213.98 m ²	SC= 0.48	VLT= 51%	ER= 20%	☒ Tinted	Area= 668.86 m ²	SC= 0.48	VLT= 51%	ER= 20%	
		☐ 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					☒ Yes ☐ No					☒ Yes ☐ No					☒ Yes ☐ No				
		Sidefin	☒ Yes ☐ No					☐ Yes ☒ No					☐ Yes ☒ No					☒ Yes ☐ No				
	Solar Radiation through Glazing		12.32 W/m ²					4.14 W/m ²					4.78 W/m ²					11.64 W/m ²				
	Average Absorptivity		0.9					0.60					0.62					0.88				
	RTTV _{Wall} at each facade		16.60 W/m ²					7.99 W/m ²					9.61 W/m ²					16.95 W/m ²				
	Overall RTTV _{Wall}		13.34 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		399 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	0 m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☒ No							
External Shading		☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		1.87							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

RTTV Summary Sheet

Address: <u>Residential Development AT TAI PO TOWN LOT NO. 22-1, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (TOWER 19)</u>		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	10	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance	%	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%	%

Table 2																	
RTTV _{Wall}																	
Facade Orientation Facing		North East				South East				South West							
Wall Orientation Factor		0.924				1.057				1.092							
Total External Wall Area (Residential Units)		365.93 m ²				344.40 m ²				363.46 m ²				m ²			
Total Window Area		231.74 m ²				0 m ²				228.28 m ²				m ²			
Window to Wall Ratio		= 0.63				= 0				= 0.62				=			
Heat Conduction	Opaque Wall	3.43 W/m ²				5.18 W/m ²				4.19 W/m ²				W/m ²			
	Window	0.69 W/m ²								0.8 W/m ²				W/m ²			
Window	Glass Type	☐ Reflective	Area=	SC=	VLT= %	☐ Reflective	Area=	SC=	VLT= %	☐ Reflective	Area=	SC=	VLT= %	☐ Reflective	Area=	SC=	VLT= %
		☒ Tinted	231.74 m ²	0.48	11%	☐ Tinted				☒ Tinted	228.28 m ²	0.48	11%	☐ Tinted			
		☐ Clear				☐ Clear				☐ Clear				☐ Clear			
	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		11.73 W/m ²				0 W/m ²				13.59 W/m ²				W/m ²		
	Average Absorptivity		0.9				0.9				0.9						
	RTTV _{Wall} at each facade		14.85 W/m ²				4.18 W/m ²				18.58 W/m ²				W/m ²		
Overall RTTV _{Wall}		13.55 W/m ²															

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		278 m ²					
Total Skylight Area		0 m ²					
Heat	Roof	1.87 W/m ²					
Conduction	Skylight	0 W/m ²					
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT= %	ER= %
		☐ Tinted	Area=	0 m ²	SC=	VLT= %	ER= %
		☐ Clear	Area=	0 m ²	SC=	VLT= %	ER= %
	Double Glazing	☐ Yes ☒ No					
External Shading		☐ Yes ☒ No					
Solar Radiation through Glazing		0 W/m ²					
Average Absorptivity (roof)		0.8					
Overall RTTV _{Roof}		1.87 W/m ²					

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

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RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (TOWER 1)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect Others, please specify:	
No. of Storeys (Residential Units)	17	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance									
External Reflectance									

Table 2

RTTV _{Wall}									
Facade Orientation Facing	NORTH - WEST		NORTH - EAST		SOUTH - WEST		SOUTH - EAST		
Total External Wall Area (Residential Units)	865.99 m ²		2475.09 m ²		2380.82 m ²		687.57 m ²		
Total Window Area	23.52 m ²		1336.82 m ²		1368.44 m ²		69.53 m ²		
Window to Wall Ratio	0.03		0.56		0.57		0.10		
Heat Conduction	9.49 W/m ²		1.44 W/m ²		1.83 W/m ²		1.14 W/m ²		
Window	0.13 W/m ²		0.61 W/m ²		0.3 W/m ²		0.1 W/m ²		
Glazing type	☒ Reflective ☐ Tinted ☐ Clear		☐ Reflective ☐ Tinted ☐ Clear		☐ Reflective ☐ Tinted ☐ Clear		☐ Reflective ☐ Tinted ☐ Clear		
Area=	m ²		m ²		m ²		m ²		
SC=	%		%		%		%		
VLT=	%		%		%		%		
ER=	%		%		%		%		
Double Glazing	☐ Yes ☒ No		☒ Yes ☐ No		☒ Yes ☐ No		☐ Yes ☒ No		
External Shading	☐ Overhang ☒ Yes ☐ No ☐ Sidefin ☐ Yes ☒ No		☐ Overhang ☐ Yes ☒ No ☐ Sidefin ☐ Yes ☒ No		☐ Overhang ☐ Yes ☒ No ☐ Sidefin ☐ Yes ☒ No		☐ Overhang ☐ Yes ☒ No ☐ Sidefin ☐ Yes ☒ No		
Solar Radiation through Glazing	10.91 W/m ²		10.38 W/m ²		12.58 W/m ²		2.13 W/m ²		
Average Absorptivity	0.9		0.51		0.54		0.87		
RTTV of each facade	10.53 W/m ²		12.42 W/m ²		15.15 W/m ²		11.40 W/m ²		
Overall RTTV _{Wall}			13.10 W/m ²						

Table 3

RTTV _{Roof}									
Roof Orientation Facing									
Total Roof Area (Residential Units)	388 m ²								
Total Skylight Area	0 m ²								
Heat Conduction	1.87 W/m ²								
Skylight	0 W/m ²								
Glazing type	☐ Reflective ☐ Tinted ☐ Clear								
Area=	m ²								
SC=	%								
VLT=	%								
ER=	%								
Double Glazing	☐ Yes ☒ No								
External Shading	☐ Yes ☒ No								
Solar Radiation through Glazing	0 W/m ²								
Average Absorptivity (roof)	0.8								
Overall RTTV _{Roof}	1.87 W/m ²								

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes:

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	17	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing							
Average Absorptivity							
Average Window to Wall Ratio							
Shading Coefficient of Glazing							
Average Shading Coefficient of Facade							
Visible Light Transmittance	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		NORTH				EAST				WEST				SOUTH							
Wall Orientation Factor		0.79				1.072				1.131				0.975							
Total External Wall Area (Residential Units)		231.95 m ²				221.01 m ²				269.28 m ²				1097.82 m ²							
Window to Wall Ratio		15.02 m ² = 0.06				0 m ² = 0				34.76 m ² = 0.13				649.92 m ² = 0.59							
Heat Conduction	Opaque Wall	4.60 W/m ²				10.86 W/m ²				9.52 W/m ²				1.28 W/m ²							
	Window	0.18 W/m ²				0 W/m ²				0.17 W/m ²				0.68 W/m ²							
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %				
		☒ Tinted	Area= 15.02 m ²	SC= 0.77	VLT= 63 %	☐ Tinted	Area= m ²	SC=	VLT= %	☒ Tinted	Area= 34.76 m ²	SC= 0.48	VLT= 51 %	☒ Tinted	Area= 649.92 m ²	SC= 0.48	VLT= 51 %				
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %				
		☐ 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		1.58 W/m ²				0 W/m ²				2.93 W/m ²				11.57 W/m ²						
	Average Absorptivity		0.73				0.9				0.87				0.49						
	RTTV _{Wall} at each facade		6.36 W/m ²				10.86 W/m ²				12.62 W/m ²				13.53 W/m ²						
	Overall RTTV _{Wall}		W/m ²																		

Table 3

RTTV _{Roof}						
Roof Orientation Factor						
Total Roof Area (Residential Units)		m ²				
Total Skylight Area		m ²				
Heat Conduction	Roof	W/m ²				
	Skylight	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		W/m ²				
Average Absorptivity (roof)						
Overall RTTV _{Roof}		W/m ²				

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

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RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	17	

Table 1

Deemed to Satisfy RTTV _{wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance	%	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																									
Facade Orientation Facing		NDRTH - EAST						NORTH - WEST						SOUTH - EAST						SOUTH - WEST					
Wall Orientation Factor		0.424						0.945						1.051						1.092					
Total External Wall Area (Residential Units)		221.81 m ²						232.19 m ²						1683.94 m ²						260.95 m ²					
Window to Wall Ratio																									
Total Window Area		0 m ² = 0						15.02 m ² = 0.06						649.41 m ² = 0.60						0 m ² = 0					
Heat Conduction		9.36 W/m ²						5.58 W/m ²						1.32 W/m ²						11.07 W/m ²					
Window		0 W/m ²						0.22 W/m ²						0.74 W/m ²						0 W/m ²					
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %				
		☐ Tinted	Area= m ²	SC=	VLT= %	ER= %	☒ Tinted	Area= 15.02 m ²	SC= 0.77	VLT= 63 %	ER= 6 %	☒ Tinted	Area= 649.41 m ²	SC= 0.48	VLT= 51 %	ER= 20 %	☐ 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 Gazing		0 W/m ²						1.93 W/m ²						12.62 W/m ²						0 W/m ²					
Average Absorptivity		0.9						0.72						0.49						0.9					
RTTV _{Wall} at each facade		9.36 W/m ²						7.72 W/m ²						14.68 W/m ²						11.07 W/m ²					
Overall RTTV _{Wall}								12.38 W/m ²																	

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		278 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	1.87 W/m ²							
Skylight	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective Area= 0 m ² SC= VLT= % ER= %		☐ Tinted Area= 0 m ² SC= VLT= % ER= %		☐ Clear Area= 0 m ² SC= VLT= % ER= %			
	Double Glazing	☐ Yes ☒ No							
	External Shading	☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

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RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	19	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NORTH - EAST				NORTH - WEST				SOUTH - EAST				SOUTH - WEST				
Wall Orientation Factor		0.924				0.965				1.051				1.092				
Total External Wall Area (Residential Units)		364.27 m ²		Window to Wall Ratio = 0		297.36 m ²		Window to Wall Ratio = 0		1847.63 m ²		Window to Wall Ratio = 0.57		344.19 m ²		Window to Wall Ratio = 0.10		
Total Window Area		0 m ²				0 m ²				1050.54 m ²				34.99 m ²				
Heat Conduction	Opaque Wall	9.36 W/m ²				6.62 W/m ²				1.41 W/m ²				9.94 W/m ²				
	Window	0 W/m ²				0 W/m ²				0.70 W/m ²				0.13 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☒ Tinted	Area= 1210.14 m ²	SC= 0.48	VLT= 51 %	☒ Tinted	Area= 34.99 m ²	SC= 0.48	VLT= 51 %	
		☐ Clear	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= %	☐ 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				
		Overhang ☐ Yes ☐ No				Overhang ☐ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				
	External Shading	Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☒ No				Sidefin ☒ Yes ☐ No				
		Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☐ No				Sidefin ☐ Yes ☒ No				Sidefin ☒ Yes ☐ No				
	Solar Radiation through Glazing		0 W/m ²				0 W/m ²				11.98 W/m ²				2.22 W/m ²			
	Average Absorptivity		0.90				0.75				0.49				0.90			
RTTV _{Wall} at each facade		9.36 W/m ²				6.62 W/m ²				14.09 W/m ²				12.30 W/m ²				
Overall RTTV _{Wall}		12.49 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		278 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	0 m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☒ No							
	External Shading	☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	19	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		NORTH				EAST				WEST				SOUTH				
Wall Orientation Factor		0.39				1.072				1.131				0.975				
Total External Wall Area (Residential Units)		284.42 m ²		Window to Wall Ratio = 0		44.93 m ²		Window to Wall Ratio = 0		47.21 m ²		Window to Wall Ratio = 0		1902.62 m ²		Window to Wall Ratio = 0.56		
Total Window Area		0 m ²		= 0		0 m ²		= 0		0 m ²		= 0		1065.31 m ²		= 0.56		
Heat Conduction	Opaque Wall	8.01 W/m ²				10.86 W/m ²				11.46 W/m ²				1.48 W/m ²				
	Window	0 W/m ²				0 W/m ²				0 W/m ²				0.64 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☒ Tinted	Area= m ²	SC=	VLT= %	☒ Tinted	Area= m ²	SC=	VLT= 51%	
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= 20%	
	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				0 W/m ²				0 W/m ²				10.94 W/m ²				
Average Absorptivity		0.9				0.9				0.9				0.51				
RTTV _{Wall} at each facade		8.01 W/m ²				10.86 W/m ²				11.46 W/m ²				13.07 W/m ²				
Overall RTTV _{Wall}		12.06 W/m ²																

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		278 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	1.87 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %
Double Glazing		☐ Yes ☒ No				
External Shading		☐ Yes ☒ No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		1.87 W/m ²				

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	19.	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		NORTH - EAST					NORTH - WEST					SOUTH - EAST					SOUTH - WEST				
Wall Orientation Factor		0.924					0.965					1.051					1.092				
Total External Wall Area (Residential Units)		268.95 m ²					399.40 m ²					247.25 m ²					1661.25 m ²				
Total Window Area		0 m ² = 0					0 m ² = 0					0 m ² = 0					1057.70 m ² = 0.64				
Heat Conduction	Opaque Wall	9.36 W/m ²					9.78 W/m ²					10.65 W/m ²					1.33 W/m ²				
	Window	0 W/m ²					0 W/m ²					0 W/m ²					0.82 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %				
		☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☐ Tinted	Area= m ²	SC=	VLT= %	☒ Tinted	Area= 1157.70 m ²	SC= 0.48	VLT= 51%				
		☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %	☐ Clear	Area= m ²	SC=	VLT= %				
		☐ Yes ☐ No																			
	Double Glazing	☐ Yes ☐ No																			
External Shading	Overhang	☐ Yes ☐ No					☐ Yes ☐ No					☐ Yes ☐ No					☒ Yes ☐ No				
	Sidefin	☐ Yes ☐ No					☐ Yes ☐ No					☐ Yes ☐ No					☒ Yes ☐ No				
Solar Radiation through Glazing		0 W/m ²					0 W/m ²					0 W/m ²					13.93 W/m ²				
Average Absorptivity		0.9					0.9					0.9					0.42				
RTTV _{Wall} at each facade		9.36 W/m ²					9.78 W/m ²					10.65 W/m ²					15.24 W/m ²				
Overall RTTV _{Wall}		13.88 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		193.50 m ²							
Total Skylight Area		0 m ²							
Heat	Roof	1.87 W/m ²							
Conduction	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	0 m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	0 m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☒ No							
	External Shading	☐ Yes ☒ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		1.87 W/m ²							

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	19	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		NORTH				EAST				WEST				SOUTH							
Wall Orientation Factor		0.79				1.072				1.131				0.975							
Total External Wall Area (Residential Units)		788.07 m ²				2274.32 m ²				239.61 m ²				791.76 m ²							
Total Window Area		69.84 m ²				1195.25 m ²				1338.63 m ²				0 m ²							
		Ratio = 0.09				Ratio = 0.53				Ratio = 0.58				Ratio = 0							
Heat Conduction		7.01 W/m ²				2.15 W/m ²				1.48 W/m ²				9.88 W/m ²							
Window		0.08 W/m ²				0.66 W/m ²				0.77 W/m ²				0 W/m ²							
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %					
		☒ Tinted	67.84 m ²	0.48	51%	20%	☒ Tinted	1195.25 m ²	0.48	51%	20%	☒ Tinted	1338.63 m ²	0.48	51%	20%	☐ 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																			
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		1.40 W/m ²				11.29 W/m ²				13.07 W/m ²				0 W/m ²							
Average Absorptivity		0.88				0.55				0.49				0.9							
RTTV _{Wall} at each facade		3.50 W/m ²				14.10 W/m ²				15.33 W/m ²				9.88 W/m ²							
Overall RTTV _{Wall}		13.31 W/m ²																			

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		309 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	1.87 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %
Double Glazing		☐ Yes ☒ No				
External Shading		☐ Yes ☒ No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		1.87 W/m ²				

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (TOWER 8)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	17	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing							
Average Absorptivity							
Average Window to Wall Ratio							
Shading Coefficient of Glazing							
Average Shading Coefficient of Facade							
Visible Light Transmittance	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		NORTH					EAST					WEST					SOUTH				
Wall Orientation Factor		0.79					1.072					1.131					0.975				
Total External Wall Area (Residential Units)		993.68 m ²					2867.14 m ²					2762.22 m ²					945.27 m ²				
Window to Wall Ratio		31.84 m ² = 0.03					1379.02 m ² = 0.48					1244.28 m ² = 0.45					58.56 m ² = 0.06				
Heat Conduction	Opaque Wall	7.64 W/m ²					2.88 W/m ²					4.47 W/m ²					8.36 W/m ²				
	Window	0.03 W/m ²					0.61 W/m ²					0.60 W/m ²					0.07 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %	☐ Reflective	Area= m ²	SC=	VLT= %				
		☒ Tinted	Area= 31.84 m ²	SC= 0.48	VLT= 51 %	☒ Tinted	Area= 1379.02 m ²	SC= 0.48	VLT= 51 %	☒ Tinted	Area= 1244.28 m ²	SC= 0.48	VLT= 51 %	☒ Tinted	Area= 58.56 m ²	SC= 0.48	VLT= 51 %				
		☐ Clear	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= %	☐ 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					☒ Yes ☐ No					☒ Yes ☐ No					☒ Yes ☐ No				
	Sidefin	☐ Yes ☒ No					☐ Yes ☒ No					☒ Yes ☐ No					☐ Yes ☒ No				
Solar Radiation through Glazing		0.51 W/m ²					10.33 W/m ²					10.21 W/m ²					1.21 W/m ²				
Average Absorptivity		0.89					0.62					0.72					0.84				
RTTV _{Wall} at each facade		8.18 W/m ²					13.82 W/m ²					15.28 W/m ²					9.64 W/m ²				
Overall RTTV _{Wall}							13.09 W/m ²														

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		339 m ²					
Total Skylight Area		0 m ²					
Heat	Roof	1.87 W/m ²					
Conduction	Skylight	0 W/m ²					
Skylight	Glass Type	☐ Reflective	Area= 0 m ²	SC=	VLT= %	ER= %	
		☐ Tinted	Area= 0 m ²	SC=	VLT= %	ER= %	
		☐ Clear	Area= 0 m ²	SC=	VLT= %	ER= %	
	Double Glazing	☐ Yes ☒ No					
	External Shading	☐ Yes ☒ No					
Solar Radiation through Glazing		0 W/m ²					
Average Absorptivity (roof)		0.8					
Overall RTTV _{Roof}		1.87 W/m ²					

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	19	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance		%	%	%	%	%	%	%	%
External Reflectance		%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																						
Facade Orientation Facing		NORTH					EAST					WEST					SOUTH					
Wall Orientation Factor		0.79					1.07					1.31					0.75					
Total External Wall Area (Residential Units)		2351.11 m ²					1050.1 m ²					1016.88 m ²					2345.51 m ²					
Total Window Area		1296.32 m ²					83.94 m ²					26.86 m ²					1300.17 m ²					
Window to Wall Ratio		= 0.55					= 0.08					= 0.03					= 0.56					
Heat Conduction	Opaque Wall	1.90 W/m ²					9.65 W/m ²					11.04 W/m ²					1.85 W/m ²					
	Window	0.51 W/m ²					0.10 W/m ²					0.04 W/m ²					0.65 W/m ²					
Window	Glass Type	☐ Reflective	Area=	SC=	VLT=	ER=	☐ Reflective	Area=	SC=	VLT=	ER=	☐ Reflective	Area=	SC=	VLT=	ER=	☐ Reflective	Area=	SC=	VLT=	ER=	
		☒ Tinted	1296.32 m ²	0.48	51	20	☒ Tinted	83.94 m ²	0.48	51	20	☒ Tinted	26.86 m ²	0.48	51	20	☒ Tinted	1300.17 m ²	0.48	51	20	
		☐ Clear	Area=	SC=	VLT=	ER=	☐ Clear	Area=	SC=	VLT=	ER=	☐ Clear	Area=	SC=	VLT=	ER=	☐ Clear	Area=	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		8.73 W/m ²					1.72 W/m ²					0.6 W/m ²					10.97 W/m ²				
	Average Absorptivity		0.62					0.88					0.89					0.56				
	RTTV _{Wall} at each facade		11.14 W/m ²					11.47 W/m ²					11.67 W/m ²					13.47 W/m ²				
	Overall RTTV _{Wall}		12.07 W/m ²																			

Table 3

RTTV _{Roof}														
Roof Orientation Factor		2.16												
Total Roof Area (Residential Units)		333 m ²												
Total Skylight Area		0 m ²												
Heat Conduction	Roof	1.87 W/m ²												
	Skylight	0 W/m ²												
Skylight	Glass Type	☐ Reflective	Area=	0 m ²	SC=	VLT=	%	ER=	%					
		☐ Tinted	Area=	0 m ²	SC=	VLT=	%	ER=	%					
		☐ Clear	Area=	0 m ²	SC=	VLT=	%	ER=	%					
	Double Glazing	☐ Yes ☒ No												
	External Shading	☐ Yes ☒ No												
Solar Radiation through Glazing		0 W/m ²												
Average Absorptivity (roof)		0.8												
Overall RTTV _{Roof}		1.87 W/m ²												

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes:

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)

RTTV Summary Sheet

Address: RESIDENTIAL DEVELOPMENT AT TAI PO TOWN LOT NO. 221, SHANG TONG ROAD, LAI CHI SHAN, TAI PO, NEW TERRITORIES (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)	19	

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance	%	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%	%

RTTV _{Wall}																	
Facade Orientation Facing		NORTH-EAST				NORTH-WEST				SOUTH-EAST				SOUTH-WEST			
Wall Orientation Factor		0.924				0.965				1.051				1.042			
Total External Wall Area (Residential Units)		93.64 m ²				2235.14 m ²				1861.4 m ²				7579.5 m ²			
Total Window Area		30.14 m ²				1501.74 m ²				999.42 m ²				36.96 m ²			
Heat Conduction		8.58 W/m ²				0.60 W/m ²				2.71 W/m ²				9.67 W/m ²			
Window		0.04 W/m ²				0.76 W/m ²				0.64 W/m ²				0.06 W/m ²			
Glass Type		☐ Reflective	Area=	SC=	VLT= %	☐ Reflective	Area=	SC=	VLT= %	☐ Reflective	Area=	SC=	VLT= %	☐ Reflective	Area=	SC=	VLT= %
			m ²		ER= %		m ²		ER= %		m ²		ER= %		m ²		ER= %
		☒ Tinted	Area=	SC=	VLT= %	☒ Tinted	Area=	SC=	VLT= %	☒ Tinted	Area=	SC=	VLT= %	☒ Tinted	Area=	SC=	VLT= %
			30.14 m ²	0.48	51%	20 %	1501.74 m ²	0.48	51%	20 %	999.42 m ²	0.48	51%	20 %	36.96 m ²	0.48	51%
☐ Clear	Area=	SC=	VLT= %	☐ Clear	Area=	SC=	VLT= %	☐ Clear	Area=	SC=	VLT= %	☐ Clear	Area=	SC=	VLT= %		
	m ²		ER= %		m ²		ER= %		m ²		ER= %		m ²		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		0.60 W/m ²				12.99 W/m ²				10.86 W/m ²				1.07 W/m ²			
Average Absorptivity		0.87				0.42				0.62				0.85			
RTTV _{Wall} at each facade		9.22 W/m ²				14.36 W/m ²				14.21 W/m ²				10.80 W/m ²			
Overall RTTV _{Wall}		13.01 W/m ²															

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		291 m ²					
Total Skylight Area		0 m ²					
Heat Conduction		1.87 W/m ²					
Skylight		0 W/m ²					
Glass Type		☐ Reflective ☐ Tinted ☐ Clear					
Area=		0 m ²					
SC=		0					
VLT=		%					
ER=		%					
Double Glazing		☐ Yes ☒ No					
External Shading		☐ Yes ☒ No					
Solar Radiation through Glazing		0 W/m ²					
Average Absorptivity (roof)		0.8					
Overall RTTV _{Roof}		1.87 W/m ²					

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.

(9/2014)