

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.

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 1)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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		EAST				NORTH				WEST				SOUTH					
Wall Orientation Factor		1.072				0.79				1.131				0.975					
Total External Wall Area (Residential Units)		665.21 m ²		Window to Wall Ratio = 0.63		90.39m ²		Window to Wall Ratio =0		460.15 m ²		Window to Wall Ratio =0.51		621.22 m ²		Window to Wall Ratio =0.18			
Total Window Area		421.77 m ²				0m ²				236.12 m ²				113.69 m ²					
Heat Conduction	Opaque Wall	0.57 W/m ²				4.09 W/m ²				1.53 W/m ²				2.01 W/m ²					
	Window	0.72 W/m ²				0 W/m ²				0.61 W/m ²				0.19 W/m ²					
Window	Glass Type	☒ Clear	Area= 177.14m ²	SC= 0.41	VLT=63 % ER=14 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %		
		☒ Clear	Area= 156.05m ²	SC= 0.41	VLT=62 % ER=14 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 96.81 m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 89.81 m ²	SC= 0.41	VLT=63 % ER=14 %		
		☒ Clear	Area= 88.57m ²	SC= 0.41	VLT=64 % ER=14 %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 139.31 m ²	SC= 0.41	VLT=62 % ER=14 %	☒ Clear	Area= 23.87m ²	SC= 0.41	VLT=62 % ER=14 %		
	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		13.48 W/m ²				0 W/m ²				9.93 W/m ²				3.05 W/m ²					
Average Absorptivity		0.87				0.5				0.73				0.52					
RTTV _{Wall} at each facade		14.77 W/m ²				4.09 W/m ²				12.07 W/m ²				5.25 W/m ²					
Overall RTTV _{Wall}		10.45 W/m ²																	

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		277.32m²							
Total Skylight Area		0m²							
Heat Conduction	Roof	2.49W/m²							
	Skylight	0W/m²							
Skylight	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		0W/m²						
Average Absorptivity (roof)		0.80							
Overall RTTV _{Roof}		2.49W/m²							

RTTV Summary Sheet

Notes:

ER = External Reflectance

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VLT = Visible Light Transmittance

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

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 1)

BD Ref. No.
2/9152/14

Building Type:	Residential
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:
No. of Storeys (Residential Units)	14

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)		1213.56m ²		Window to Wall Ratio = 0.67			35.4m ²		Window to Wall Ratio =0			207.67m ²		Window to Wall Ratio =0.46			221.94m ²		Window to Wall Ratio =0.41		
Total Window Area		816.80m ²					0m ²					96.56m ²					91.83m ²				
Heat Conduction	Opaque Wall	0.42W/m ²					1.65W/m ²					1.04W/m ²					1.36W/m ²				
	Window	0.66W/m ²					0W/m ²					0.51W/m ²					0.48W/m ²				
Window	Glass Type	☒ Clear	Area= 294.05m ²	SC= 0.41	VLT=63 % ER=14 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %				
		☒ Clear	Area= 147.02m ²	SC= 0.41	VLT=62 % ER=14 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 73.87 m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 73.65 m ²	SC= 0.41	VLT=63 % ER=14 %				
		☒ Clear	Area= 375.73m ²	SC= 0.41	VLT=64 % ER=14 %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 22.69m ²	SC= 0.41	VLT=62 % ER=14 %	☒ Clear	Area= 18.18m ²	SC= 0.41	VLT=62 % ER=14 %				
		☐ Yes ☒ No				☐ Yes ☐ No				☐ Yes ☒ No				☐ Yes ☒ No							
	External Shading	Overhang	☒ Yes ☐ No					Overhang	☐ Yes ☐ No					Overhang	☐ Yes ☒ No						
		Sidefin	☐ Yes ☒ No					Sidefin	☐ Yes ☐ No					Sidefin	☐ Yes ☒ No						
Solar Radiation through Glazing		10.03W/m ²					0 W/m ²					8.37 W/m ²					7.73W/m ²				
Average Absorptivity		0.75					0.5					0.6					0.88				
RTTV _{Wall} at each facade		11.11 W/m ²					1.65 W/m ²					9.92 W/m ²					9.57W/m ²				
Overall RTTV _{Wall}		10.45 W/m ²																			

Table 3

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

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 2)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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)		1165.89m ²		Window to Wall Ratio = 0.51		341.11m ²		Window to Wall Ratio =0		494.4m ²		Window to Wall Ratio =0.04		826.38m ²		Window to Wall Ratio =0.51				
Total Window Area		588.89m ²				0m ²				18m ²				425.25m ²						
Heat Conduction	Opaque Wall	0.77W/m ²				3.82W/m ²				1.64W/m ²				0.61W/m ²						
	Window	0.49W/m ²				0W/m ²				0.04W/m ²				0.59W/m ²						
Window	Glass Type	☒ Clear	Area= 241.44m ²	SC= 0.41	VLT=63 % ER=14 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 238.14m ²	SC= 0.41	VLT=63 % ER=14 %			
		☒ Clear	Area= 117.78m ²	SC= 0.41	VLT=62 % ER=14 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 131.83m ²	SC= 0.41	VLT=62 % ER=14 %			
		☒ Clear	Area= 229.67m ²	SC= 0.41	VLT=64 % ER=14 %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 18m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 55.28m ²	SC= 0.41	VLT=64 % ER=14 %			
	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		7.61W/m ²				0 W/m ²				0.65 W/m ²				9.54 W/m ²						
Average Absorptivity		0.78				0.78				0.5				0.83						
RTTV _{Wall} at each facade		8.88W/m ²				3.82W/m ²				2.33W/m ²				10.75W/m ²						
Overall RTTV _{Wall}		7.67 W/m ²																		

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		257.14m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.49W/m²							
	Skylight	0W/m²							
Skylight	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		0W/m²							
Average Absorptivity (roof)		0.80							
Overall RTTV _{Roof}		2.49W/m²							

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

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 3)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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		EAST				WEST				SOUTH				NORTH EAST				
Wall Orientation Factor		1.072				1.131				0.975				0.924				
Total External Wall Area (Residential Units)		184.8 m ²	Window to Wall Ratio = 0			221.51m ²	Window to Wall Ratio =0.04			463.93 m ²	Window to Wall Ratio = 0.60			1154.84m ²	Window to Wall Ratio =0.66			
Total Window Area		0 m ²				8.34 m ²				277.09 m ²				761.02m ²				
Heat Conduction	Opaque Wall	3.08W/m ²				4.30W/m ²				0.54 W/m ²				0.40W/m ²				
	Window	0W/m ²				0.04W/m ²				0.61 W/m ²				0.64W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 112.54m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 347.03m ²	SC= 0.41	VLT=63 % ER=14 %	
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 101.69m ²	SC= 0.41	VLT=62 % ER=14 %	☒ Clear	Area= 138.51m ²	SC= 0.41	VLT=62 % ER=14 %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 8.34 m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 62.86m ²	SC= 0.41	VLT=64 % ER=14 %	☒ Clear	Area= 275.49m ²	SC= 0.41	VLT=64 % ER=14 %	
		☐ 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		0W/m ²				0.73 W/m ²				9.29 W/m ²				9.79W/m ²				
Average Absorptivity		0.38				0.42				0.78				0.87				
RTTV _{Wall} at each facade		3.08 W/m ²				5.07 W/m ²				10.43 W/m ²				10.83W/m ²				
Overall RTTV _{Wall}		9.81 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		183.64m²							
Total Skylight Area		0m²							
Heat Conduction	Roof	2.49W/m²							
	Skylight	0W/m²							
Skylight	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		0W/m²							
Average Absorptivity (roof)		0.80							
Overall RTTV _{Roof}		2.49W/m²							

RTTV Summary Sheet

Notes:
ER = External Reflectance
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Window and skylight data should represent the major proportion of its use in the development.

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 3)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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					SOUTH EAST					SOUTH WEST									
Wall Orientation Factor		0.965					1.051					1.092									
Total External Wall Area (Residential Units)		30.21m ²		Window to Wall Ratio =0			26.88m ²		Window to Wall Ratio =0			417.72m ²		Window to Wall Ratio =0.59			m ²		Window to Wall Ratio =		
Total Window Area		0m ²					0m ²					247.55m ²					m ²				
Heat Conduction	Opaque Wall	1.65W/m ²					1.80W/m ²					1.13W/m ²					W/m ²				
	Window	0W/m ²					0W/m ²					0.68W/m ²					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= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 196.31m ²	SC= 0.41	VLT=63 % ER=14 %	☐ 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= 51.24m ²	SC= 0.41	VLT=62 % ER=14 %	☐ 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			
		Sidewin	☐ Yes ☐ No				Sidewin	☐ Yes ☐ No				Sidewin	☐ Yes ☒ No				Sidewin	☐ Yes ☐ No			
Solar Radiation through Glazing		0 W/m ²					0 W/m ²					11.08W/m ²					W/m ²				
Average Absorptivity		0.5					0.5					0.85									
RTTV _{Wall} at each facade		1.65W/m ²					1.80 W/m ²					12.89W/m ²					W/m ²				
Overall RTTV _{Wall}		9.81 W/m ²																			

Table 3

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

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

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 5)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers	
	☒ 2. Architect	
	☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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		EAST				NORTH				WEST				SOUTH			
Wall Orientation Factor		1.072				0.79				1.131				0.975			
Total External Wall Area (Residential Units)		221.38m ²		Window to Wall Ratio = 0		68.34 m ²		Window to Wall Ratio = 0.29		299.43m ²		Window to Wall Ratio =0.03		463.93m ²		Window to Wall Ratio =0.60	
Total Window Area		0m ²				20.13 m ²				10.16m ²				277.11m ²			
Heat Conduction	Opaque Wall	7.86 W/m ²				3.37 W/m ²				7.42W/m ²				0.57W/m ²			
	Window	0 W/m ²				0.25 W/m ²				0.04W/m ²				0.61W/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= %	☒ Clear	Area= 140.50m ²	SC= 0.41	VLT=63 % ER=14 %
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 76.76m ²	SC= 0.41	VLT=62 % ER=14 %
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 20.13m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 10.16m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 59.86m ²	SC= 0.41	VLT=64 % ER=14 %
	Double Glazing	☐ Yes ☐ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No			
	External Shading	Overhang	☐ Yes	☐ No	Overhang				☐ Yes	☒ No	Overhang				☐ Yes	☒ No	
		Sidefin	☐ Yes	☐ No	Sidefin				☐ Yes	☒ No	Sidefin				☐ Yes	☒ No	
	Solar Radiation through Glazing		0 W/m ²				3.98 W/m ²				0.66 W/m ²				9.97 W/m ²		
Average Absorptivity		0.79				0.5				0.73				0.72			
RTTV _{Wall} at each facade		7.86 W/m ²				7.60 W/m ²				8.12 W/m ²				11.15 W/m ²			
Overall RTTV _{Wall}		8.87 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		248.40m²							
Total Skylight Area		0m²							
Heat Conduction	Roof	2.49W/m²							
	Skylight	0W/m²							
Skylight	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		0W/m²							
Average Absorptivity (roof)		0.80							
Overall RTTV _{Roof}		2.49W/m²							

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.

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 5)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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)		1038.45 m ²		Window to Wall Ratio = 0.60			600.17m ²		Window to Wall Ratio =0.06			38.22m ²		Window to Wall Ratio =0.44			274.63m ²		Window to Wall Ratio =0.57		
Total Window Area		624.65 m ²					33.8m ²					16.90m ²					157.09m ²				
Heat Conduction	Opaque Wall	0.51 W/m ²					3.11 W/m ²					3.55W/m ²					1.63W/m ²				
	Window	0.59 W/m ²					0.06 W/m ²					0.49W/m ²					0.66W/m ²				
Window	Glass Type	☒ Clear	Area= 272.97m ²	SC= 0.41	VLT=63 % ER=14 %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %				
		☒ Clear	Area= 111.19m ²	SC= 0.41	VLT=62 % ER=14 %	☒ Clear	Area= 10.55m ²	SC= 0.41	VLT=63 % ER=14 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 79.33m ²	SC= 0.41	VLT=63 % ER=14 %				
		☒ Clear	Area= 240.49m ²	SC= 0.41	VLT=64 % ER=14 %	☒ Clear	Area= 23.25m ²	SC= 0.41	VLT=62 % ER=14 %	☒ Clear	Area= 16.90m ²	SC= 0.41	VLT=63 % ER=14 %	☒ Clear	Area= 77.76m ²	SC= 0.41	VLT=62 % ER=14 %				
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No							
	External Shading	Overhang	☒ Yes ☐ No					Overhang	☐ Yes ☒ No					Overhang	☐ Yes ☒ No						
		Sidefin	☐ Yes ☒ No					Sidefin	☐ Yes ☒ No					Sidefin	☐ Yes ☒ No						
Solar Radiation through Glazing		8.83 W/m ²					0.93 W/m ²					7.95 W/m ²					10.69 W/m ²				
Average Absorptivity		0.78					0.34					0.50					0.74				
RTTV _{Wall} at each facade		9.92 W/m ²					4.10 W/m ²					11.99W/m ²					12.97W/m ²				
Overall RTTV _{Wall}		8.87 W/m ²																			

Table 3

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

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.

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 6)

BD Ref. No.
2/9152/14

Building Type:	Residential
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:
No. of Storeys (Residential Units)	14

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		EAST					NORTH					WEST					SOUTH				
Wall Orientation Factor		1.072					0.79					1.131					0.975				
Total External Wall Area (Residential Units)		1631.04 m ²		Window to Wall Ratio = 0.57			385.27 m ²		Window to Wall Ratio = 0			1385.08 m ²		Window to Wall Ratio = 0.52			617.95 m ²		Window to Wall Ratio =0		
Total Window Area		936.84 m ²					0 m ²					723.32 m ²					0 m ²				
Heat Conduction	Opaque Wall	0.93 W/m ²					2.96 W/m ²					1.33 W/m ²					4.63 W/m ²				
	Window	0.65 W/m ²					0 W/m ²					0.63 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= %				
		☒ Clear	Area= 610.82m ²	SC= 0.45	VLT=67 % ER=12 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 520.79m ²	SC= 0.45	VLT=67 % ER=12 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %				
		☒ Clear	Area= 326.02m ²	SC= 0.45	VLT=69 % ER=11 %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☒ Clear	Area= 202.53m ²	SC= 0.45	VLT=69 % ER=11 %	☐ 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		11.22 W/m ²					0 W/m ²					10.92 W/m ²					0 W/m ²				
Average Absorptivity		0.80					0.50					0.78					0.50				
RTTV _{Wall} at each facade		12.81 W/m ²					2.96 W/m ²					12.88 W/m ²					4.63 W/m ²				
Overall RTTV _{Wall}		10.02 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		426.80 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.49 W/m²							
	Skylight	0 W/m²							
Skylight	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		0 W/m²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		2.49 W/m²							

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.

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 6)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	14	

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)		542.75 m ²		Window to Wall Ratio = 0.21			413.12 m ²		Window to Wall Ratio = 0.57			468.43 m ²		Window to Wall Ratio = 0.45			54.63 m ²		Window to Wall Ratio = 0						
Total Window Area		112.63 m ²					233.99 m ²					209.63 m ²					0 m ²								
Heat Conduction	Opaque Wall	2.01 W/m ²					0.62 W/m ²					0.70 W/m ²					3.29 W/m ²								
	Window	0.20 W/m ²					0.58 W/m ²					0.50 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= %	☒ Clear	Area= 193.03m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 153.03m ²	SC= 0.45	VLT=67 % ER=12 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %								
		☒ Clear	Area= 112.63m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 40.95m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 56.60m ²	SC= 0.45	VLT=69 % ER=11 %	☐ 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		3.60 W/m ²					9.82 W/m ²					8.37 W/m ²					0 W/m ²								
Average Absorptivity		0.62					0.90					0.92					0.50								
RTTV _{Wall} at each facade		5.81 W/m ²					11.02 W/m ²					9.57 W/m ²					3.29 W/m ²								
Overall RTTV _{Wall}		10.02 W/m ²																							

Table 3

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

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.

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 7)

BD Ref. No.
2/9152/14

Building Type:	Residential
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:
No. of Storeys (Residential Units)	14

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		EAST					NORTH					WEST					SOUTH					
Wall Orientation Factor		1.072					0.79					1.131					0.975					
Total External Wall Area (Residential Units)		1966.65m ²		Window to Wall Ratio = 0.34			1541.83 m ²		Window to Wall Ratio = 0.40			1509.39 m ²		Window to Wall Ratio = 0.34			1700.11 m ²		Window to Wall Ratio = 0.48			
Total Window Area		677.89 m ²					617.81 m ²					509.60 m ²					809.05 m ²					
Heat Conduction	Opaque Wall	0.97 W/m ²					1.21 W/m ²					2.34 W/m ²					2.04 W/m ²					
	Window	0.39 W/m ²					0.34 W/m ²					0.40 W/m ²					0.49 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= %					
		☒ Clear	Area= 406.73m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 390.45m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 322.06m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 517.79m ²	SC= 0.45	VLT=67 % ER=12 %					
		☒ Clear	Area= 271.16m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 227.35m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 187.53m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 291.26m ²	SC= 0.45	VLT=69 % ER=11 %					
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No								
	External Shading	Overhang	☒ Yes	☐ No					Overhang	☒ Yes	☐ No					Overhang	☒ Yes	☐ No				
		Sidefin	☐ Yes	☒ No					Sidefin	☐ Yes	☒ No					Sidefin	☐ Yes	☒ No				
Solar Radiation through Glazing		6.26 W/m ²					5.88 W/m ²					6.80 W/m ²					8.04 W/m ²					
Average Absorptivity		0.78					0.65					0.35					0.55					
RTTV _{Wall} at each facade		7.62 W/m ²					7.42 W/m ²					9.54 W/m ²					10.57 W/m ²					
Overall RTTV _{Wall}		8.76 W/m ²																				

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		577.40 m ²					
Total Skylight Area		0 m ²					
Heat Conduction	Roof	2.49 W/m ²					
	Skylight	0 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		0 W/m ²					
Average Absorptivity (roof)		0.80					
Overall RTTV _{Roof}		2.49 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.

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Appendix A

Address: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 8)

BD Ref. No.
2/9152/14

Building Type:	Residential
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:
No. of Storeys (Residential Units)	14

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)		1326.62 m ²		Window to Wall Ratio = 0.41			953.58m ²		Window to Wall Ratio =0.36			916.37m ²		Window to Wall Ratio =0.42			1042.76m ²		Window to Wall Ratio =0.39		
Total Window Area		549.86 m ²					339.20m ²					387.16m ²					410.06m ²				
Heat Conduction	Opaque Wall	0.77 W/m ²					1.31W/m ²					1.27W/m ²					1.54W/m ²				
	Window	0.41 W/m ²					0.36W/m ²					0.47W/m ²					0.45W/m ²				
Window	Glass Type	☐	Area=	SC=	VLT=	%	☐	Area=	SC=	VLT=	%	☐	Area=	SC=	VLT=	%	☐	Area=	SC=	VLT=	%
		Reflective	m ²		ER=	%	Reflective	m ²		ER=	%	Reflective	m ²		ER=	%	Reflective	m ²		ER=	%
		☒	Area=	SC=	VLT=67	%	☒	Area=	SC=	VLT=67	%	☒	Area=	SC=	VLT=67	%	☒	Area=	SC=	VLT=67	%
	Clear	345.32m ²	0.45	ER=12	%	Clear	194.36m ²	0.45	ER=12	%	Clear	221.84m ²	0.45	ER=12	%	Clear	322.92m ²	0.45	ER=12	%	
	☒	Area=	SC=	VLT=69	%	☒	Area=	SC=	VLT=69	%	☒	Area=	SC=	VLT=69	%	☒	Area=	SC=	VLT=69	%	
	Clear	204.55m ²	0.45	ER=11	%	Clear	144.84m ²	0.45	ER=11	%	Clear	165.32m ²	0.45	ER=11	%	Clear	87.14m ²	0.45	ER=11	%	
	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
		Sidfin	☐	Yes	☒ No	Sidfin	☐	Yes	☒ No	Sidfin	☐	Yes	☒ No	Sidfin	☐	Yes	☒ No	Sidfin	☐	Yes	☒ No
Solar Radiation through Glazing		6.64 W/m ²					5.78 W/m ²					7.55W/m ²					7.53 W/m ²				
Average Absorptivity		0.89					0.82					0.83					0.65				
RTTV _{Wall} at each facade		7.82 W/m ²					7.45 W/m ²					9.29W/m ²					9.52W/m ²				
Overall RTTV _{Wall}		8.47 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		427.30m²							
Total Skylight Area		0m²							
Heat Conduction	Roof	2.49 W/m²							
	Skylight	0 W/m²							
Skylight	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		0 W/m²							
Average Absorptivity (roof)		0.80							
Overall RTTV _{Roof}		2.49 W/m²							

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: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Tower 9)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	12	

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)		995.56m ²		Window to Wall Ratio = 0.60			880.78m ²		Window to Wall Ratio =0.44			1447.86m ²		Window to Wall Ratio =0.40			712.81m ²		Window to Wall Ratio =0.30		
Total Window Area		595.47m ²					389.66m ²					572.94m ²					216.94m ²				
Heat Conduction	Opaque Wall	0.86W/m ²					1.82W/m ²					1.96W/m ²					4.14W/m ²				
	Window	0.59W/m ²					0.45W/m ²					0.44W/m ²					0.35W/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= %				
		☒ Clear	Area= 341.80m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 221.13m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 385.59m ²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 165.95m ²	SC= 0.45	VLT=67 % ER=12 %				
		☒ Clear	Area= 253.67m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 168.53m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 187.35m ²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 50.98m ²	SC= 0.45	VLT=69 % ER=11 %				
	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		9.64W/m ²					7.27 W/m ²					7.20 W/m ²					5.85 W/m ²				
Average Absorptivity		0.75					0.59					0.57					0.79				
RTTV _{Wall} at each facade		11.08 W/m ²					9.55 W/m ²					9.60W/m ²					10.34W/m ²				
Overall RTTV _{Wall}		10.09 W/m ²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		427.80 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.49 W/m²							
	Skylight	0 W/m²							
Skylight	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		0 W/m²							
Average Absorptivity (roof)		0.80							
Overall RTTV _{Roof}		2.49 W/m²							

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: Tai Po Town Lot No. 214, Fo Yin Road, Pak Shek Kok, Tai Po N.T. (Block H1,H2)		BD Ref. No. 2/9152/14
Building Type:	Residential	
RTTV calculated by	☐ 1. Registered Professional Engineers ☒ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	4	

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)		491.24m²		Window to Wall Ratio = 0.53			141.05m²		Window to Wall Ratio =0.03			245.76m²		Window to Wall Ratio =0.07			110.27m²		Window to Wall Ratio =0.52			
Total Window Area		262.39m²					3.91m²					16.12m²					57.73m²					
Heat Conduction	Opaque Wall	0.41W/m²					2.14W/m²					2.26W/m²					1.58W/m²					
	Window	0.52W/m²					0.03W/m²					0.07W/m²					0.60W/m²					
Window	Glass Type	☐ Reflective	Area= m²	SC=	VLT= % ER= %	☐ Reflective	Area= m²	SC=	VLT= % ER= %	☐ Reflective	Area= m²	SC=	VLT= % ER= %	☐ Reflective	Area= m²	SC=	VLT= % ER= %					
		☒ Clear	Area= 167.41m²	SC= 0.45	VLT=67 % ER=12 %	☐ Tinted	Area= m²	SC=	VLT= % ER= %	☐ Tinted	Area= m²	SC=	VLT= % ER= %	☐ Tinted	Area= m²	SC=	VLT= % ER= %					
		☒ Clear	Area= 94.99m²	SC= 0.45	VLT=69 % ER=11 %	☒ Clear	Area= 3.91 m²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 16.12 m²	SC= 0.45	VLT=67 % ER=12 %	☒ Clear	Area= 57.73m²	SC= 0.45	VLT=67 % ER=12 %					
	Double Glazing	☐ Yes ☒ No					☐ Yes ☒ No					☐ Yes ☒ No					☐ Yes ☒ No					
	External Shading	Overhang	☒ Yes	☐ No					Overhang	☐ Yes	☒ No					Overhang	☐ Yes	☒ No				
		Siddefin	☐ Yes	☒ No					Siddefin	☐ Yes	☒ No					Siddefin	☐ Yes	☒ No				
Solar Radiation through Glazing		8.55W/m²					0.50 W/m²					1.29 W/m²					10.74W/m²					
Average Absorptivity		0.72					0.5					0.5					0.50					
RTTV _{Wall} at each facade		9.49W/m²					2.67W/m²					3.63W/m²					12.93W/m²					
Overall RTTV _{Wall}		7.44 W/m²																				

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		356.17m ²				
Total Skylight Area		0m ²				
Heat Conduction	Roof	2.49W/m ²				
	Skylight	0W/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		0W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		2.49W/m ²				