

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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 1) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.21	0.25	0.18	0.03	0.24	0.08	0	0.26
Shading Coefficient of Glazing	0.72	0.72	0.72	0.72	0.72	0.72	-	0.72
Average Shading Coefficient of Facade	0.72	0.72	0.72	0.72	0.72	0.72	-	0.72
Visible Light Transmittance	56 %	56 %	56 %	56 %	56 %	56 %	- %	56 %
External Reflectance	6 %	6 %	6 %	6 %	6 %	6 %	- %	6 %

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)		1462.92m ²		Window to Wall Ratio =0.21		1564.99m ²		Window to Wall Ratio =0.25		999.29m ²		Window to Wall Ratio =0.18		778.14m ²		Window to Wall Ratio =0.03	
Total Window Area		304.75m ²				393.39m ²				183.99m ²				19.65m ²			
Heat Conduction	Opaque Wall	8.74 W/m ²				6.09W/m ²				9.50W/m ²				9.79W/m ²			
	Window	0.82 W/m ²				0.73W/m ²				0.76W/m ²				0.09W/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= 304.75m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 393.39m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 183.99m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 19.65m ²	SC= 0.72	VLT= 56% ER= 6%
		☐ 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		
		Sidewin	☒ Yes ☐ No			Sidewin	☒ Yes ☐ No			Sidewin	☐ Yes ☒ No			Sidewin	☐ Yes ☒ No		
Solar Radiation through Glazing		5.77 W/m ²				5.71W/m ²				5.83W/m ²				0.74W/m ²			
Average Absorptivity		0.80				0.80				0.80				0.80			
RTTV _{Wall} at each facade		15.33 W/m ²				12.53W/m ²				16.10W/m ²				10.62W/m ²			
Overall RTTV _{Wall}		13.94 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		246.38 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.15 W/m²							
	Skylight	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)		0.58							
Overall RTTV _{Roof}		2.15 W/m²							

RTTV Summary Sheet

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ER = External Reflectance
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Appendix A

Address: TAI PO TOWN LOT NO.226, PAK SHEK KOK, TAI PO, N.T. (Tower 1) (2 of 2)		BD Ref. No. 2/9212/15
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)		589.55m ²		Window to Wall Ratio =0.24		188.01m ²		Window to Wall Ratio =0.08		226.05m ²		Window to Wall Ratio =0		566.75m ²		Window to Wall Ratio =0.26		
Total Window Area		142.87m ²				14.18m ²				0m ²				147.03m ²				
Heat Conduction	Opaque Wall	7.21 W/m ²				9.18W/m ²				10.82W/m ²				8.36W/m ²				
	Window	0.82 W/m ²				0.27W/m ²				0W/m ²				1.03W/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= 142.87m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 14.34m ²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Tinted	Area= 145.38m ²	SC= 0.72	VLT= 56% ER= 6%	
		☐ 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			
		Sidewin	☐ Yes ☒ No			Sidewin	☐ Yes ☒ No			Sidewin	☐ Yes ☐ No			Sidewin	☐ Yes ☒ No			
	Solar Radiation through Glazing		5.80 W/m ²				2.19W/m ²				0W/m ²				7.74W/m ²			
	Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		13.84 W/m ²				11.64W/m ²				10.82W/m ²				17.13W/m ²				
Overall RTTV _{Wall}		13.94 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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Address: TAI PO TOWN LOT NO.226, PAK SHEK KOK, TAI PO, N.T. (Tower 2)		BD Ref. No. 2/9212/15
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	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST				
Average Absorptivity	0.80	0.80	0.80	0.80				
Average Window to Wall Ratio	0.27	0.02	0.02	0.19				
Shading Coefficient of Glazing	0.72	0.72	0.72	0.72				
Average Shading Coefficient of Facade	0.72	0.72	0.72	0.72				
Visible Light Transmittance	56 %	56 %	56 %	56 %	%	%	%	%
External Reflectance	6 %	6 %	6 %	6 %	%	%	%	%

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)		1622.41m ²		Window to Wall Ratio =0.27		691.00m ²		Window to Wall Ratio =0.02		596.35m ²		Window to Wall Ratio =0.02		1728.66m ²		Window to Wall Ratio =0.19	
Total Window Area		437.93m ²				11.70m ²				12.20m ²				333.38m ²			
Heat Conduction	Opaque Wall	6.95 W/m ²				9.77W/m ²				10.60W/m ²				9.08W/m ²			
	Window	0.92 W/m ²				0.06W/m ²				0.08W/m ²				0.77W/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= 437.93m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 11.70 m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 12.20 m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 333.38m ²	SC= 0.72	VLT= 56% ER= 6%
		☐ 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		
		Siddefin	☒ Yes ☐ No			Siddefin	☒ Yes ☐ No			Siddefin	☐ Yes ☒ No			Siddefin	☒ Yes ☐ No		
Solar Radiation through Glazing		6.75 W/m ²				0.49W/m ²				0.65W/m ²				5.68W/m ²			
Average Absorptivity		0.80				0.80				0.80				0.80			
RTTV _{Wall} at each facade		14.61 W/m ²				10.32W/m ²				11.33W/m ²				15.53W/m ²			
Overall RTTV _{Wall}		13.89 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		154.94 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.15 W/m²							
	Skylight	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		W/m²							
Average Absorptivity (roof)		0.58							
Overall RTTV _{Roof}		2.15 W/m²							

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Appendix A

Address: TAI PO TOWN LOT NO.226, PAK SHEK KOK, TAI PO, N.T. (Tower 3) (1 of 2)		BD Ref. No. 2/92/12/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.26	0.23	0.04	0.17	0.11	0	0	0.35
Shading Coefficient of Glazing	0.72	0.72	0.72	0.72	0.72	-	-	0.72
Average Shading Coefficient of Facade	0.72	0.72	0.72	0.72	0.72	-	-	0.72
Visible Light Transmittance	56 %	56 %	56 %	56 %	56 %	- %	- %	56 %
External Reflectance	6 %	6 %	6 %	6 %	6 %	- %	- %	6 %

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)		1613.08m ²		Window to Wall Ratio =0.26		1432.04m ²		Window to Wall Ratio =0.23		780.00m ²		Window to Wall Ratio =0.04		1030.00m ²		Window to Wall Ratio =0.17			
Total Window Area		418.17m ²				322.58m ²				31.16m ²				175.29m ²					
Heat Conduction	Opaque Wall	8.18 W/m ²				6.30 W/m ²				11.18 W/m ²				8.33W/m ²					
	Window	1.02 W/m ²				0.65 W/m ²				0.17 W/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= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %		
		☒ Tinted	Area= 418.17m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 322.58m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 31.16 m ²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 175.29m ²	SC= 0.72	VLT= 56% ER= 6%		
		☐ 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				
		Siddefin	☐ Yes ☒ No					Siddefin	☐ Yes ☒ No					Siddefin	☐ Yes ☒ No				
Solar Radiation through Glazing		6.57 W/m ²				5.24 W/m ²				1.36 W/m ²				4.99W/m ²					
Average Absorptivity		0.80				0.80				0.80				0.80					
RTTV _{Wall} at each facade		15.77 W/m ²				12.19 W/m ²				12.71 W/m ²				13.93W/m ²					
Overall RTTV _{Wall}		13.88 W/m ²																	

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		237.98 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.15 W/m²							
	Skylight	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)		0.58							
Overall RTTV _{Roof}		2.15 W/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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 3) (2 of 2)		BD Ref. No. 2/9212/15
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				1.092			
Total External Wall Area (Residential Units)		223.93m ²		Window to Wall Ratio =0.11		77.14m ²		Window to Wall Ratio =0		251.47m ²		Window to Wall Ratio =0		282.84m ²		Window to Wall Ratio =0.35	
Total Window Area		25.65m ²				0m ²				0m ²				97.58m ²			
Heat Conduction	Opaque Wall	8.43 W/m ²				9.94 W/m ²				10.82 W/m ²				7.37 W/m ²			
	Window	0.39 W/m ²				0W/m ²				0W/m ²				1.38 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= 25.65m ²	SC= 0.72	VLT= 56 % ER= 6 %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Tinted	Area= 97.58 m ²	SC= 0.72	VLT= 56 % ER= 6 %
		☐ 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		3.18 W/m ²				0 W/m ²				0W/m ²				11.33 W/m ²			
Average Absorptivity		0.80				0.80				0.80				0.80			
RTTV _{Wall} at each facade		12.00 W/m ²				9.94 W/m ²				10.82 W/m ²				20.07W/m ²			
Overall RTTV _{Wall}		13.88 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}		-					

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Appendix A

Address: TAI PO TOWN LOT NO.226, PAK SHEK KOK, TAI PO, N.T. (Tower 5) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH WEST	SOUTH EAST	SOUTH WEST	
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
Average Window to Wall Ratio	0.31	0.32	0	0.22	0	0.31	0	
Shading Coefficient of Glazing	0.72	0.72	-	0.72	-	0.72	-	
Average Shading Coefficient of Facade	0.72	0.72	-	0.72	-	0.72	-	
Visible Light Transmittance	56 %	56 %	- %	56 %	- %	56 %	- %	
External Reflectance	6 %	6 %	- %	6 %	- %	6 %	- %	

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)		904.20m²		Window to Wall Ratio =0.31			1061.32m²		Window to Wall Ratio =0.32			1044.10m²		Window to Wall Ratio =0			1058.15m²		Window to Wall Ratio =0.22		
Total Window Area		280.00m²					344.77m²					0m²					227.75m²				
Heat Conduction	Opaque Wall	7.62 W/m²					5.49 W/m²					11.65 W/m²					7.88 W/m²				
	Window	1.22 W/m²					0.94 W/m²					0W/m²					0.77 W/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= %				
		☒ Tinted	Area= 280.00m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 344.77m²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m²	SC=	VLT= % ER= %	☒ Tinted	Area= 227.75m²	SC= 0.72	VLT= 56% ER= 6%				
		☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	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		8.74 W/m²					7.51W/m²					0 W/m²					4.76 W/m²				
Average Absorptivity		0.80					0.80					0.80					0.80				
RTTV _{Wall} at each facade		17.58 W/m²					13.95 W/m²					11.65 W/m²					13.41 W/m²				
Overall RTTV _{Wall}		13.90 W/m²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		228.56 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.15 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)		0.58							
Overall RTTV _{Roof}		2.15 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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 5) (2 of 2)

BD Ref. No.
2/9212/15

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 WEST					SOUTH EAST					SOUTH WEST									
Wall Orientation Factor		0.965					1.051					1.092									
Total External Wall Area (Residential Units)		263.04m²		Window to Wall Ratio =0			421.41m²		Window to Wall Ratio =0.31			245.03m²		Window to Wall Ratio =0			m²		Window to Wall Ratio		
Total Window Area		0m²					129.36 m²					0m²					m²				
Heat Conduction	Opaque Wall	9.94 W/m²					7.50 W/m²					11.25 W/m²					W/m²				
	Window	0 W/m²					1.19 W/m²					0W/m²					W/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= %				
		☐ Tinted	Area= m²	SC=	VLT= % ER= %	☒ Tinted	Area= 129.36m²	SC= 0.72	VLT= 56 % ER= 6 %	☐ Tinted	Area= m²	SC=	VLT= % ER= %	☐ Tinted	Area= m²	SC=	VLT= % ER= %				
		☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	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						
		Siddefin	☐ Yes ☐ No			Siddefin	☐ Yes ☒ No			Siddefin	☐ Yes ☐ No			Siddefin	☐ Yes ☐ No						
	Solar Radiation through Glazing		0 W/m²					8.09 W/m²					0 W/m²					W/m²			
Average Absorptivity		0.80					0.80					0.80									
RTTV _{Wall} at each facade		9.94 W/m²					16.77 W/m²					11.25 W/m²					W/m²				
Overall RTTV _{Wall}		13.90 W/m²																			

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}									

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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 6) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.27	0.43	0	0.19	0	0	0.31	0
Shading Coefficient of Glazing	0.72	0.72	-	0.72	-	-	0.72	-
Average Shading Coefficient of Facade	0.72	0.72	-	0.72	-	-	0.72	-
Visible Light Transmittance	56 %	56 %	- %	56 %	- %	- %	56 %	- %
External Reflectance	6 %	6 %	- %	6 %	- %	- %	6 %	- %

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)		1449.38m²		Window to Wall Ratio =0.27			1044.00m²		Window to Wall Ratio =0.43			780.16m²		Window to Wall Ratio =0			809.93m²		Window to Wall Ratio =0.19			
Total Window Area		390.23m²						447.28m²					0m²					153.38m²				
Heat Conduction	Opaque Wall	8.07 W/m²					4.65 W/m²					11.65 W/m²					8.14 W/m²					
	Window	1.06 W/m²					1.24 W/m²					0 W/m²					0.68 W/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= %					
		☒ Tinted	Area= 390.23m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 447.28m²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m²	SC=	VLT= % ER= %	☒ Tinted	Area= 153.38m²	SC= 0.72	VLT= 56% ER= 6%					
		☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %					
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☐ No				☐ Yes ☒ No								
		External Shading	Overhang	☒ Yes ☐ No			Overhang	☒ Yes ☐ No			Overhang	☐ Yes ☐ No			Overhang	☒ Yes ☐ No						
			Sidefin	☒ Yes ☐ No			Sidefin	☐ Yes ☒ No			Sidefin	☐ Yes ☐ No			Sidefin	☐ Yes ☒ No						
Solar Radiation through Glazing		6.90 W/m²					9.92 W/m²					0 W/m²					4.66 W/m²					
Average Absorptivity		0.80					0.80					0.80					0.80					
RTTV _{Wall} at each facade		16.03 W/m²					15.82 W/m²					11.65W/m²					13.48 W/m²					
Overall RTTV _{Wall}		13.94 W/m²																				

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		229.36 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	2.15 W/m²							
	Skylight	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)		0.58							
Overall RTTV _{Roof}		2.15 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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 6) (2 of 2)		BD Ref. No. 2/9212/15
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)		347.73m ²		Window to Wall Ratio =0			237.19 m ²		Window to Wall Ratio =0			419.27 m ²		Window to Wall Ratio =0.31			32.67m ²		Window to Wall Ratio =0		
Total Window Area		0 m ²					0m ²					130.51m ²					0m ²				
Heat Conduction	Opaque Wall	9.52 W/m ²					9.94 W/m ²					7.45 W/m ²					11.25W/m ²				
	Window	0 W/m ²					0 W/m ²					1.20 W/m ²					0W/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= m ²	SC=	VLT= % ER= %	☒ Tinted	Area= 130.51m ²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m ²	SC=	VLT= % ER= %				
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %				
		☐ Yes ☐ No				☐ Yes ☐ No				☐ Yes ☒ No				☐ Yes ☐ No							
	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					4.66W/m ²					0W/m ²				
Average Absorptivity		0.80					0.80					0.80					0.80				
RTTV _{Wall} at each facade		9.52 W/m ²					9.94 W/m ²					13.32 W/m ²					11.25 W/m ²				
Overall RTTV _{Wall}		13.94 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}		-							

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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 7) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.06	0.20	0.07	0.28	0.31	0.11	0.16	0
Shading Coefficient of Glazing	0.72	0.72	0.72	0.72	0.72	0.72	0.72	-
Average Shading Coefficient of Facade	0.72	0.72	0.72	0.72	0.72	0.72	0.72	-
Visible Light Transmittance	56 %	56 %	56 %	56 %	56 %	56 %	56 %	- %
External Reflectance	6 %	6 %	6 %	6 %	6 %	6 %	6 %	- %

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)		351.74m²		Window to Wall Ratio =0.06			797.34m²		Window to Wall Ratio =0.20			531.69m²		Window to Wall Ratio =0.07			1426.02m²		Window to Wall Ratio =0.28						
Total Window Area		20.95m²						158.56m²					34.84m²					400.86m²							
Heat Conduction	Opaque Wall	10.38 W/m²					6.52W/m²					10.88W/m²					7.22W/m²								
	Window	0.23 W/m²					0.58W/m²					0.27W/m²					1.01W/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= %								
		☒ Tinted	Area= 20.95m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 158.56m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 34.84m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 400.86m²	SC= 0.72	VLT= 56% ER= 6%								
		☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %								
	Double Glazing	☐ Yes ☒ No					☐ Yes ☒ No					☐ Yes ☒ No					☐ Yes ☒ No								
	External Shading	Overhang	☒ Yes	☐ No				Overhang	☒ Yes	☐ No				Overhang	☐ Yes	☒ No				Overhang	☒ Yes	☐ No			
		Sidfin	☒ Yes	☐ No				Sidfin	☒ Yes	☐ No				Sidfin	☐ Yes	☒ No				Sidfin	☐ Yes	☒ No			
Solar Radiation through Glazing		1.53 W/m²					4.72W/m²					2.23W/m²					7.16W/m²								
Average Absorptivity		0.80					0.80					0.80					0.80								
RTTV _{Wall} at each facade		12.15 W/m²					11.82 W/m²					13.38W/m²					15.38 W/m²								
Overall RTTV _{Wall}		13.93 W/m²																							

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		179.68 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	2.15 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		0 W/m ²							
Average Absorptivity (roof)		0.58							
Overall RTTV _{Roof}		2.15 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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 7) (2 of 2)		BD Ref. No. 2/9212/15
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)		1356.79m²		Window to Wall Ratio =0.31			272.98m²		Window to Wall Ratio =0.11			316.97m²		Window to Wall Ratio =0.16			369.56m²		Window to Wall Ratio =0		
Total Window Area		421.49m²					31.22m²					49.96m²					0m²				
Heat Conduction	Opaque Wall	6.56 W/m²					8.80 W/m²					9.12W/m²					11.25W/m²				
	Window	1.05 W/m²					0.41 W/m²					0.61W/m²					0 W/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= %				
		☒ Tinted	Area= 421.49m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 31.22m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 49.96m²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m²	SC=	VLT= % ER= %				
		☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	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		7.69 W/m²					3.32 W/m²					4.37W/m²					0 W/m²				
Average Absorptivity		0.80					0.80					0.80					0.80				
RTTV _{Wall} at each facade		15.30 W/m²					12.52 W/m²					14.10W/m²					11.25 W/m²				
Overall RTTV _{Wall}		13.93 W/m²																			

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}									

Address: TAI PO TOWN LOT NO.226, PAK SHEK KOK, TAI PO, N.T. (Tower 8) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.20	0.08	0.24	0.06	0.31	0.11	0.08	0
Shading Coefficient of Glazing	0.68	0.68	0.68	0.68	0.68	0.68	0.68	-
Average Shading Coefficient of Facade	0.68	0.68	0.68	0.68	0.68	0.68	0.68	-
Visible Light Transmittance	50 %	50 %	50 %	50 %	50 %	50 %	50 %	- %
External Reflectance	6 %	6 %	6 %	6 %	6 %	6 %	6 %	- %

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)		1004.7m ²		Window to Wall Ratio =0.20		281.81m ²		Window to Wall Ratio =0.08		1512.69m ²		Window to Wall Ratio =0.24		610.44m ²		Window to Wall Ratio =0.06			
Total Window Area		200.49m ²				22.38m ²				363.25m ²				33.58m ²					
Heat Conduction	Opaque Wall	8.84 W/m ²				7.49W/m ²				8.83W/m ²				9.46W/m ²					
	Window	0.78 W/m ²				0.23W/m ²				0.99W/m ²				0.20W/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= 200.49m ²	SC= 0.68	VLT= 50% ER= 6%	☒ Tinted	Area= 22.38m ²	SC= 0.68	VLT= 50% ER= 6%	☒ Tinted	Area= 363.25m ²	SC= 0.68	VLT= 50% ER= 6%	☒ Tinted	Area= 33.58m ²	SC= 0.68	VLT= 50% ER= 6%		
		☐ 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= %		
	External Shading	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No					
		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		4.99 W/m ²				1.72W/m ²				6.82W/m ²				1.43W/m ²				
	Average Absorptivity		0.80				0.80				0.80				0.80				
	RTTV _{Wall} at each facade		14.61 W/m ²				9.44W/m ²				16.64W/m ²				11.08W/m ²				
	Overall RTTV _{Wall}		13.95 W/m ²																

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		149.37 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	2.15 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		0 W/m ²						
Average Absorptivity (roof)		0.58							
Overall RTTV _{Roof}		2.15 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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 8) (2 of 2)		BD Ref. No. 2/9212/15
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)		1549.80m ²		Window to Wall Ratio =0.31			393.24m ²		Window to Wall Ratio =0.11			441.38m ²		Window to Wall Ratio =0.08			583.66m ²		Window to Wall Ratio =0		
Total Window Area		475.34m ²					43.19m ²					36.80m ²					0m ²				
Heat Conduction	Opaque Wall	6.69 W/m ²					8.83W/m ²					9.90W/m ²					11.25W/m ²				
	Window	1.03 W/m ²					0.39W/m ²					0.32W/m ²					0W/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= 475.34m ²	SC= 0.68	VLT= 50% ER= 6%	☒ Tinted	Area= 43.19m ²	SC= 0.68	VLT= 50% ER= 6%	☒ Tinted	Area= 36.80m ²	SC= 0.68	VLT= 50% ER= 6%	☐ Tinted	Area= m ²	SC=	VLT= % ER= %				
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %				
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☐ No							
		External Shading	Overhang	☒ Yes ☐ No			Overhang	☒ Yes ☐ No			Overhang	☒ Yes ☐ No			Overhang	☐ Yes ☐ No					
			Sidefin	☒ Yes ☐ No			Sidefin	☐ Yes ☒ No			Sidefin	☐ Yes ☒ No			Sidefin	☐ Yes ☐ No					
	Solar Radiation through Glazing		7.10 W/m ²					2.66W/m ²					2.25W/m ²					0W/m ²			
Average Absorptivity		0.80					0.80					0.80					0.80				
RTTV _{Wall} at each facade		14.82 W/m ²					11.88 W/m ²					12.46W/m ²					11.25W/m ²				
Overall RTTV _{Wall}		13.95 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}		-							

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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 9) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.26	0.34	0.21	0	0	0.35	0	0
Shading Coefficient of Glazing	0.72	0.72	0.72	-	-	0.72	-	-
Average Shading Coefficient of Facade	0.72	0.72	0.72	-	-	0.72	-	-
Visible Light Transmittance	56 %	56 %	56 %	- %	- %	56 %	- %	- %
External Reflectance	6 %	6 %	6 %	- %	- %	6 %	- %	- %

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)		989.68m²		Window to Wall Ratio =0.26			1339.78m²		Window to Wall Ratio =0.34			739.61m²		Window to Wall Ratio =0.21			714.91m²		Window to Wall Ratio =0		
Total Window Area		253.86m²					455.86m²					152.85m²					0 m²				
Heat Conduction	Opaque Wall	8.21 W/m²					5.37 W/m²					9.24 W/m²					10.04 W/m²				
	Window	1.01 W/m²					0.99 W/m²					0.86 W/m²					0W/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= %				
		☒ Tinted	Area= 253.86m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 455.86m²	SC= 0.72	VLT= 56% ER= 6%	☒ Tinted	Area= 152.85m²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m²	SC=	VLT= % ER= %				
		☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	SC=	VLT= % ER= %	☐ Clear	Area= m²	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			
		Sidewin	☐ Yes ☒ No				Sidewin	☒ Yes ☐ No				Sidewin	☐ Yes ☒ No				Sidewin	☐ Yes ☐ No			
Solar Radiation through Glazing		6.64 W/m²					7.88 W/m²					6.23 W/m²					0 W/m²				
Average Absorptivity		0.80					0.80					0.80					0.80				
RTTV _{Wall} at each facade		15.86 W/m²					14.23 W/m²					16.33 W/m²					10.04 W/m²				
Overall RTTV _{Wall}		13.97W/m²																			

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		229.94 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	2.15 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		0 W/m ²						
Average Absorptivity (roof)		0.58							
Overall RTTV _{Roof}		2.15 W/m ²							

Address: TAI PO TOWN LOT NO.226, PAK SHEK KOK, TAI PO, N.T. (Tower 9) (2 of 2)		BD Ref. No. 2/9212/15
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)		324.89m ²		Window to Wall Ratio =0		395.97m ²		Window to Wall Ratio =0.35		217.27m ²		Window to Wall Ratio =0		30.86m ²		Window to Wall Ratio =0	
Total Window Area		0m ²				138.38m ²				0m ²				0 m ²			
Heat Conduction	Opaque Wall	9.52 W/m ²				6.46W/m ²				10.82W/m ²				11.25W/m ²			
	Window	0 W/m ²				1.24W/m ²				0W/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= 138.38m ²	SC= 0.72	VLT= 56% ER= 6%	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= m ²	SC=	VLT= % ER= %
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %
		☐ Yes ☐ No				☐ Yes ☒ No				☐ Yes ☐ No				☐ Yes ☐ No			
	External Shading	Overhang	☐ Yes ☐ No			Overhang	☒ Yes ☐ No			Overhang	☐ Yes ☐ No			Overhang	☐ Yes ☐ No		
		Siddefin	☐ Yes ☐ No			Siddefin	☐ Yes ☒ No			Siddefin	☐ Yes ☐ No			Siddefin	☐ Yes ☐ No		
	Solar Radiation through Glazing		0 W/m ²				8.89W/m ²				0W/m ²				0 W/m ²		
Average Absorptivity		0.80				0.80				0.80				0.80			
RTTV _{Wall} at each facade		9.52 W/m ²				16.60W/m ²				10.82 W/m ²				11.25 W/m ²			
Overall RTTV _{Wall}		13.97 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}		-							

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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 10) (1 of 2)		BD Ref. No. 2/9212/15
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	EAST	NORTH	WEST	SOUTH	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
Average Absorptivity	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Average Window to Wall Ratio	0.26	0.29	0.20	0	0	0.33	0	0
Shading Coefficient of Glazing	0.72	0.72	0.72	-	-	0.72	-	-
Average Shading Coefficient of Facade	0.72	0.72	0.72	-	-	0.72	-	-
Visible Light Transmittance	56 %	56 %	56 %	- %	- %	56 %	- %	- %
External Reflectance	6 %	6 %	6 %	- %	- %	6 %	- %	- %

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)		1245.19m ²		Window to Wall Ratio =0.26			986.07m ²		Window to Wall Ratio =0.29			1218.31m ²		Window to Wall Ratio =0.20			1068.10m ²		Window to Wall Ratio =0			
Total Window Area		326.32m ²					283.20m ²					239.43m ²					0m ²					
Heat Conduction	Opaque Wall	8.15 W/m ²					5.80 W/m ²					9.36 W/m ²					10.04 W/m ²					
	Window	1.03 W/m ²					0.83W/m ²					0.82 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= 326.32m ²	SC= 0.72	VLT= 56% ER= 6%		☒ Tinted	Area= 283.20m ²	SC= 0.72	VLT= 56% ER= 6%		☒ Tinted	Area= 239.43m ²	SC= 0.72	VLT= 56% ER= 6%		☐ 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
		Sidewin	☐ Yes	☒ No				Sidewin	☐ Yes	☒ No				Sidewin	☐ Yes	☒ No				Sidewin	☐ Yes	☐ No
Solar Radiation through Glazing		6.83 W/m ²					6.70 W/m ²					5.53W/m ²					0 W/m ²					
Average Absorptivity		0.80					0.80					0.80					0.80					
RTTV _{Wall} at each facade		16.01 W/m ²					13.33 W/m ²					15.71 W/m ²					10.04 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)		228.23 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	2.15 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		0 W/m ²						
Average Absorptivity (roof)		0.58							
Overall RTTV _{Roof}		2.15 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.226, PAK SHEK KOK, TAI PO, N.T. (Tower 10) (2 of 2)

BD Ref. No.
2/9212/15

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}

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)		31.07m ²		Window to Wall Ratio =0			395.97m ²		Window to Wall Ratio =0.33			270.14m ²		Window to Wall Ratio =0			231.41m ²		Window to Wall Ratio =0		
Total Window Area		0m ²					131.11m ²					0m ²					0 m ²				
Heat Conduction	Opaque Wall	9.52 W/m ²					6.65W/m ²					10.82W/m ²					11.25 W/m ²				
	Window	0 W/m ²					1.17W/m ²					0W/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= 131.11m ²	SC= 0.72	VLT= 56%	ER= 6%	☐ Tinted	Area= m ²	SC=	VLT= %	ER= %	☐ Tinted	Area= m ²	SC=	VLT= %	ER= %
		☐ Clear	Area= m ²	SC=	VLT= %	ER= %	☐ Clear	Area= m ²	SC=	VLT= %	ER= %	☐ Clear	Area= m ²	SC=	VLT= %	ER= %	☐ Clear	Area= m ²	SC=	VLT= %	ER= %
		☐ Yes ☐ No					☐ Yes ☒ No					☐ Yes ☐ No					☐ Yes ☐ No				
	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					8.49W/m ²					0W/m ²					0 W/m ²			
Average Absorptivity		0.80					0.80					0.80					0.80				
RTTV _{Wall} at each facade		9.52 W/m ²					16.32 W/m ²					10.82W/m ²					11.25 W/m ²				
Overall RTTV _{Wall}		13.81 W/m ²																			

Table 3

RTTV_{Roof}

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}		-							