

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 1)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²	Window to Wall Ratio = 0.65			30.40 m ²	Window to Wall Ratio = 0.08			20.52 m ²	Window to Wall Ratio = 0.52			70.55 m ²	Window to Wall Ratio = 0.15		
Total Window Factor		36.99 m ²				2.33 m ²				10.65 m ²				10.89 m ²			
Heat Conduction	Opaque Wall	3.22 W/m ²				9.47 W/m ²				3.85 W/m ²				4.23 W/m ²			
	Window	0.63 W/m ²				0.09 W/m ²				0.60 W/m ²				0.16 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 36.99m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.89m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		7.11 W/m ²				1.08 W/m ²				7.57 W/m ²				8.17 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.97 W/m ²				10.63 W/m ²				12.02 W/m ²				10.31 W/m ²			
Overall RTTV _{Wall}		10.77 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m²				
Total Skylight Area		0 m²				
Heat Conduction	Roof	3.86 W/m²				
	Skylight	0 W/m²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 2)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²		Window to Wall Ratio = 0.57		30.40 m ²		Window to Wall Ratio = 0.08		20.52 m ²		Window to Wall Ratio = 0.52		70.55 m ²		Window to Wall Ratio = 0	
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²		
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

Notes:

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VLT = Visible Light Transmittance

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

Address: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 3)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²		Window to Wall Ratio = 0.57		30.40 m ²		Window to Wall Ratio = 0.08		20.52 m ²		Window to Wall Ratio = 0.52		70.55 m ²		Window to Wall Ratio = 0	
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 5)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²		Window to Wall Ratio = 0.57		30.40 m ²		Window to Wall Ratio = 0.08		20.52 m ²		Window to Wall Ratio = 0.52		70.55 m ²		Window to Wall Ratio = 0	
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 6)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West				
Wall Orientation Factor		0.924				1.051				1.092				0.965				
Total External Wall Area (Residential Units)		56.80 m ²		Window to Wall Ratio = 0.57		30.40 m ²		Window to Wall Ratio = 0.08		20.52 m ²		Window to Wall Ratio = 0.52		70.55 m ²		Window to Wall Ratio = 0		
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²				
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²				
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %	
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²				
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²				
Overall RTTV _{Wall}		10.47 W/m ²																

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 7)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²	Window to Wall Ratio = 0.57			30.40 m ²	Window to Wall Ratio = 0.08			20.52 m ²	Window to Wall Ratio = 0.52			70.55 m ²	Window to Wall Ratio = 0		
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 8)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²	Window to Wall Ratio = 0.57			30.40 m ²	Window to Wall Ratio = 0.08			20.52 m ²	Window to Wall Ratio = 0.52			70.55 m ²	Window to Wall Ratio = 0		
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²		
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 9)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²	Window to Wall Ratio = 0.57			30.40 m ²	Window to Wall Ratio = 0.08			20.52 m ²	Window to Wall Ratio = 0.52			70.55 m ²	Window to Wall Ratio = 0		
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²		
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 10)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²	Window to Wall Ratio = 0.57			30.40 m ²	Window to Wall Ratio = 0.08			20.52 m ²	Window to Wall Ratio = 0.52			70.55 m ²	Window to Wall Ratio = 0		
Total Window Factor		32.46 m ²				2.33 m ²				10.65 m ²				0 m ²			
Heat Conduction	Opaque Wall	3.96 W/m ²				9.47 W/m ²				3.85 W/m ²				9.66 W/m ²			
	Window	0.55 W/m ²				0.09 W/m ²				0.60 W/m ²				0 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 32.46m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		6.32 W/m ²				1.08 W/m ²				7.57 W/m ²				0 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.84 W/m ²				10.63 W/m ²				12.02 W/m ²				9.66 W/m ²			
Overall RTTV _{Wall}		10.47 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (House 11)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	2 (G/F to 1/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		56.80 m ²	Window to Wall Ratio = 0.67			53.57 m ²	Window to Wall Ratio = 0.23			20.52 m ²	Window to Wall Ratio = 0.52			63.85 m ²	Window to Wall Ratio = 0.17		
Total Window Factor		38.09 m ²				12.27 m ²				10.65 m ²				10.89 m ²			
Heat Conduction	Opaque Wall	3.05 W/m ²				7.94 W/m ²				3.85 W/m ²				8.01 W/m ²			
	Window	0.84 W/m ²				0.25 W/m ²				0.60 W/m ²				0.17 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 38.09m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 12.27m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.65m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.89m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		7.40 W/m ²				3.22 W/m ²				7.57 W/m ²				2.20 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.28 W/m ²				11.41 W/m ²				12.02 W/m ²				10.38 W/m ²			
Overall RTTV _{Wall}		11.10 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		65.92 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

RTTV Summary Sheet

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

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

PNAP
APP-156

Appendix A

Address: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 1)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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			
Wall Orientation Factor		0.79				1.131				0.975				1.072			
Total External Wall Area (Residential Units)		332.19 m ²		Window to Wall Ratio = 0.58		224.28 m ²		Window to Wall Ratio = 0.08		164.02 m ²		Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07	
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²			
Heat Conduction	Opaque Wall	3.32 W/m ²				10.47 W/m ²				4.65 W/m ²				10.11 W/m ²			
	Window	0.48 W/m ²				0.09 W/m ²				0.53 W/m ²				0.07 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 2.33m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Solar Radiation through Glazing		6.07 W/m ²				1.18 W/m ²				6.76 W/m ²				0.95 W/m ²		
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		9.87 W/m ²				11.75 W/m ²				11.94 W/m ²				11.13 W/m ²			
Overall RTTV _{Wall}		10.97 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		216.21 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	3.86 W/m²							
	Skylight	0 W/m²							
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Tinted	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Clear	Area=	m²	SC=	VLT=	%	ER=	%
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Solar Radiation through Glazing		0 W/m²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		3.86 W/m²							

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 2)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		332.19 m ²	Window to Wall Ratio = 0.58		166.25 m ²		Window to Wall Ratio = 0.07		164.02 m ²		Window to Wall Ratio = 0.52		224.28 m ²		Window to Wall Ratio = 0.08		
Total Window Factor		192.89 m ²			11.02 m ²				85.06 m ²				17.56 m ²				
Heat Conduction	Opaque Wall	3.88 W/m ²				9.91 W/m ²				5.21 W/m ²				8.93 W/m ²			
	Window	0.56 W/m ²				0.07 W/m ²				0.59 W/m ²				0.08 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		6.87 W/m ²				0.93 W/m ²				7.57 W/m ²				1.01 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.31 W/m ²				10.92 W/m ²				13.37 W/m ²				10.02 W/m ²			
Overall RTTV _{Wall}		11.29 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		216.21 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	3.86 W/m²							
	Skylight	0 W/m²							
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Tinted	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Clear	Area=	m²	SC=	VLT=	%	ER=	%
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Solar Radiation through Glazing		0 W/m²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		3.86 W/m²							

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 6)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West				
Wall Orientation Factor		0.924				1.051				1.092				0.965				
Total External Wall Area (Residential Units)		332.19 m ²		Window to Wall Ratio = 0.58		224.28 m ²		Window to Wall Ratio = 0.08		164.02 m ²		Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07		
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²				
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²				
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %	
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²				
Overall RTTV _{Wall}		11.29 W/m ²																

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		216.21 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 8)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		332.19 m ²		Window to Wall Ratio = 0.58		224.28 m ²		Window to Wall Ratio = 0.08		164.02 m ²		Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07	
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²			
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²			
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²			
Overall RTTV _{Wall}		11.29 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		216.21 m²				
Total Skylight Area		0 m²				
Heat Conduction	Roof	3.86 W/m²				
	Skylight	0 W/m²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 10)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West				
Wall Orientation Factor		0.924				1.051				1.092				0.965				
Total External Wall Area (Residential Units)		332.19 m ²	Window to Wall Ratio = 0.58			224.28 m ²	Window to Wall Ratio = 0.08			164.02 m ²	Window to Wall Ratio = 0.52			166.25 m ²	Window to Wall Ratio = 0.07			
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²				
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²				
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %	
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²				
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²				
Overall RTTV _{Wall}		11.29 W/m ²																

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		216.21 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 3)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		332.19 m ²		Window to Wall Ratio = 0.58		224.28 m ²		Window to Wall Ratio = 0.08		164.02 m ²		Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07	
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²			
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²			
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²			
Overall RTTV _{Wall}		11.29 W/m ²															

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		216.21 m²					
Total Skylight Area		0 m²					
Heat Conduction	Roof	3.86 W/m²					
	Skylight	0 W/m²					
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= %	ER= %	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0 W/m²					
Average Absorptivity (roof)		0.8					
Overall RTTV _{Roof}		3.86 W/m²					

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 5)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		332.19 m ²	Window to Wall Ratio = 0.58			224.28 m ²	Window to Wall Ratio = 0.08			164.02 m ²	Window to Wall Ratio = 0.52			166.25 m ²	Window to Wall Ratio = 0.07		
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²			
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²			
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²			
Overall RTTV _{Wall}		11.29 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		216.21 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	3.86 W/m²							
	Skylight	0 W/m²							
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Tinted	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Clear	Area=	m²	SC=	VLT=	%	ER=	%
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Solar Radiation through Glazing		0 W/m²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		3.86 W/m²							

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 7)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West					
Wall Orientation Factor		0.924				1.051				1.092				0.965					
Total External Wall Area (Residential Units)		332.19 m ²	Window to Wall Ratio = 0.58				224.28 m ²	Window to Wall Ratio = 0.08				164.02 m ²	Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07		
Total Window Factor		192.89 m ²					17.56 m ²					85.06 m ²			11.02 m ²				
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²					
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²					
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %		
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %		
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %		
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No
	Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²				
Average Absorptivity		0.8				0.8				0.8				0.8					
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²					
Overall RTTV _{Wall}		11.29 W/m ²																	

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		216.21 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	3.86 W/m²							
	Skylight	0 W/m²							
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Tinted	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Clear	Area=	m²	SC=	VLT=	%	ER=	%
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Solar Radiation through Glazing		0 W/m²							
Average Absorptivity (roof)		0.8							
Overall RTTV _{Roof}		3.86 W/m²							

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 9)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West				
Wall Orientation Factor		0.924				1.051				1.092				0.965				
Total External Wall Area (Residential Units)		332.19 m ²		Window to Wall Ratio = 0.58		224.28 m ²		Window to Wall Ratio = 0.08		164.02 m ²		Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07		
Total Window Factor		192.89 m ²				17.56 m ²				85.06 m ²				11.02 m ²				
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²				
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %	
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²				
Overall RTTV _{Wall}		11.29 W/m ²																

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		216.21 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Villa 11)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	5 (G/F to 5/F)	

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				North-West					
Wall Orientation Factor		0.924				1.051				1.092				0.965					
Total External Wall Area (Residential Units)		332.19 m ²	Window to Wall Ratio = 0.58				224.28 m ²	Window to Wall Ratio = 0.08				164.02 m ²	Window to Wall Ratio = 0.52		166.25 m ²		Window to Wall Ratio = 0.07		
Total Window Factor		192.89 m ²					17.56 m ²					85.06 m ²			11.02 m ²				
Heat Conduction	Opaque Wall	3.88 W/m ²				8.93 W/m ²				5.21 W/m ²				9.91 W/m ²					
	Window	0.56 W/m ²				0.08 W/m ²				0.59 W/m ²				0.07 W/m ²					
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %		
		<input checked="" type="checkbox"/> Tinted	Area= 192.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 17.56m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 85.06m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 11.02m ²	SC= 0.32	VLT= 50 % ER= 7 %		
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %		
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No
	Solar Radiation through Glazing		6.87 W/m ²				1.01 W/m ²				7.57 W/m ²				0.93 W/m ²				
Average Absorptivity		0.8				0.8				0.8				0.8					
RTTV _{Wall} at each facade		11.31 W/m ²				10.02 W/m ²				13.37 W/m ²				10.92 W/m ²					
Overall RTTV _{Wall}		11.29 W/m ²																	

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		216.21 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.8				
Overall RTTV _{Roof}		3.86 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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 1)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		1176.71 m²		Window to Wall Ratio = 0.31		708.87 m²		Window to Wall Ratio = 0.15		1240.46 m²		Window to Wall Ratio = 0.39		928.73 m²		Window to Wall Ratio = 0.18	
Total Window Factor		365.71 m²				109.52 m²				489.36 m²				163.70 m²			
Heat Conduction	Opaque Wall	5.57 W/m²				9.25 W/m²				5.74 W/m²				9.53 W/m²			
	Window	0.26 W/m²				0.17 W/m²				0.40 W/m²				0.21 W/m²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 365.71m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 109.52m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 489.36m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 163.70m²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		3.25 W/m²				2.00 W/m²				4.58 W/m²				2.40 W/m²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		9.08 W/m²				11.42 W/m²				10.72 W/m²				12.14 W/m²			
Overall RTTV _{Wall}		10.69 W/m²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		551.06 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 2)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		1116.33 m ²		Window to Wall Ratio = 0.32		686.28 m ²		Window to Wall Ratio = 0.16		1240.46 m ²		Window to Wall Ratio = 0.39		928.73 m ²		Window to Wall Ratio = 0.18	
Total Window Factor		351.81 m ²				109.52 m ²				489.36 m ²				163.70 m ²			
Heat Conduction	Opaque Wall	5.54 W/m ²				9.19 W/m ²				5.74 W/m ²				9.53 W/m ²			
	Window	0.26 W/m ²				0.18 W/m ²				0.40 W/m ²				0.21 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 351.81m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 109.52m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 489.36m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 163.70m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		3.29 W/m ²				2.07 W/m ²				4.58 W/m ²				2.40 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		9.10 W/m ²				11.44 W/m ²				10.72 W/m ²				12.14 W/m ²			
Overall RTTV _{Wall}		10.72 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		551.06 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 3)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		715.18 m ²		Window to Wall Ratio = 0.12		1231.93 m ²		Window to Wall Ratio = 0.37		717.83 m ²		Window to Wall Ratio = 0.19		1330.16 m ²		Window to Wall Ratio = 0.38	
Total Window Factor		82.74 m ²				449.76 m ²				136.01 m ²				510.14 m ²			
Heat Conduction	Opaque Wall	7.16 W/m ²				6.80 W/m ²				7.88 W/m ²				6.89 W/m ²			
	Window	0.10 W/m ²				0.41 W/m ²				0.19 W/m ²				0.46 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 82.74m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 449.76m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 136.01m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 510.14m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		0.32 W/m ²				4.75 W/m ²				2.31 W/m ²				5.30 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		7.58 W/m ²				11.96 W/m ²				10.38 W/m ²				12.64 W/m ²			
Overall RTTV _{Wall}		11.12 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		551.06 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 5)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		1460.45 m ²		Window to Wall Ratio = 0.42		486.63 m ²		Window to Wall Ratio = 0.09		1463.57 m ²		Window to Wall Ratio = 0.44		575.08 m ²		Window to Wall Ratio = 0.19	
Total Window Factor		612.27 m ²				43.21 m ²				643.50 m ²				109.76 m ²			
Heat Conduction	Opaque Wall	4.51 W/m ²				10.18 W/m ²				4.92 W/m ²				8.89 W/m ²			
	Window	0.35 W/m ²				0.10 W/m ²				0.45 W/m ²				0.23 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 612.27m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 43.21m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 643.50m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 109.76m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		4.35 W/m ²				1.27 W/m ²				5.25 W/m ²				2.86 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		9.21 W/m ²				11.55 W/m ²				10.61 W/m ²				11.97 W/m ²			
Overall RTTV _{Wall}		10.41 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		528.68 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 6)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		1463.36 m ²		Window to Wall Ratio = 0.42		486.63 m ²		Window to Wall Ratio = 0.09		1463.57 m ²		Window to Wall Ratio = 0.44		575.08 m ²		Window to Wall Ratio = 0.19	
Total Window Factor		612.27 m ²				43.21 m ²				643.50 m ²				108.76 m ²			
Heat Conduction	Opaque Wall	4.52 W/m ²				10.18 W/m ²				5.51 W/m ²				8.89 W/m ²			
	Window	0.35 W/m ²				0.10 W/m ²				0.51 W/m ²				0.23 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 612.27m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 43.21m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 643.50m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 108.76m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		4.34 W/m ²				1.27 W/m ²				5.88 W/m ²				2.86 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		9.21 W/m ²				11.55 W/m ²				11.89 W/m ²				11.97 W/m ²			
Overall RTTV _{Wall}		10.87 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		528.68 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 7)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		655.17 m ²		Window to Wall Ratio = 0.32		925.37 m ²		Window to Wall Ratio = 0.27		581.46 m ²		Window to Wall Ratio = 0.31		915.24 m ²		Window to Wall Ratio = 0.32	
Total Window Factor		210.21 m ²				250.28 m ²				181.37 m ²				292.60 m ²			
Heat Conduction	Opaque Wall	6.17 W/m ²				7.57 W/m ²				7.14 W/m ²				6.63 W/m ²			
	Window	0.31 W/m ²				0.30 W/m ²				0.36 W/m ²				0.32 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 201.21m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 250.28m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 181.37m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 292.60m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		3.61 W/m ²				3.39 W/m ²				4.18 W/m ²				3.74 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.09 W/m ²				11.26 W/m ²				11.68 W/m ²				10.70 W/m ²			
Overall RTTV _{Wall}		10.92 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		394.87 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 8)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		651.06 m²		Window to Wall Ratio = 0.31		790.27 m²		Window to Wall Ratio = 0.28		466.58 m²		Window to Wall Ratio = 0.25		775.94 m²		Window to Wall Ratio = 0.39	
Total Window Factor		201.32 m²				224.39 m²				116.27 m²				301.23 m²			
Heat Conduction	Opaque Wall	6.22 W/m²				7.61 W/m²				8.15 W/m²				5.93 W/m²			
	Window	0.30 W/m²				0.31 W/m²				0.29 W/m²				0.39 W/m²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 201.32m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 224.39m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 116.27m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 301.23m²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		3.55 W/m²				3.46 W/m²				3.17 W/m²				4.56 W/m²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.07 W/m²				11.38 W/m²				11.61 W/m²				10.88 W/m²			
Overall RTTV _{Wall}		10.96 W/m²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		167.18 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 9)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		642.87 m ²		Window to Wall Ratio = 0.35		921.21 m ²		Window to Wall Ratio = 0.22		670.93 m ²		Window to Wall Ratio = 0.24		700.05 m ²		Window to Wall Ratio = 0.25	
Total Window Factor		223.70 m ²				203.08 m ²				160.51 m ²				177.60 m ²			
Heat Conduction	Opaque Wall	5.91 W/m ²				8.35 W/m ²				8.43 W/m ²				7.35 W/m ²			
	Window	0.34 W/m ²				0.24 W/m ²				0.27 W/m ²				0.26 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 223.70m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 203.08m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 160.51m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 177.60m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		4.08 W/m ²				2.69 W/m ²				2.95 W/m ²				3.03 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.33 W/m ²				11.28 W/m ²				11.61 W/m ²				10.63 W/m ²			
Overall RTTV _{Wall}		11.00 W/m ²															

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		338.39 m²					
Total Skylight Area		0 m²					
Heat Conduction	Roof	3.86 W/m²					
	Skylight	0 W/m²					
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= %	ER= %	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0 W/m²					
Average Absorptivity (roof)		0.9					
Overall RTTV _{Roof}		3.71 W/m²					

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 10)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		1031.47 m ²		Window to Wall Ratio = 0.31		794.79 m ²		Window to Wall Ratio = 0.25		902.33 m ²		Window to Wall Ratio = 0.28		812.79 m ²		Window to Wall Ratio = 0.26	
Total Window Factor		319.64 m ²				196.89 m ²				251.98 m ²				208.45 m ²			
Heat Conduction	Opaque Wall	6.33 W/m ²				7.68 W/m ²				7.57 W/m ²				7.20 W/m ²			
	Window	0.30 W/m ²				0.27 W/m ²				0.32 W/m ²				0.26 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 319.64m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 196.89m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 251.98m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 208.45m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		3.53 W/m ²				3.21 W/m ²				3.70 W/m ²				3.05 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.17 W/m ²				11.17 W/m ²				11.59 W/m ²				10.50 W/m ²			
Overall RTTV _{Wall}		10.83 W/m ²															

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		426.95 m²							
Total Skylight Area		0 m²							
Heat Conduction	Roof	3.86 W/m²							
	Skylight	0 W/m²							
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Tinted	Area=	m²	SC=	VLT=	%	ER=	%
		<input type="checkbox"/> Clear	Area=	m²	SC=	VLT=	%	ER=	%
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Solar Radiation through Glazing		0 W/m²							
Average Absorptivity (roof)		0.9							
Overall RTTV _{Roof}		3.71 W/m²							

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 11)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		845.33 m²		Window to Wall Ratio = 0.40		608.82 m²		Window to Wall Ratio = 0.28		867.84 m²		Window to Wall Ratio = 0.32		644.74 m²		Window to Wall Ratio = 0.30	
Total Window Factor		334.93 m²				169.55 m²				251.98 m²				193.83 m²			
Heat Conduction	Opaque Wall	5.62 W/m²				7.26 W/m²				7.23 W/m²				6.70 W/m²			
	Window	0.38 W/m²				0.31 W/m²				0.37 W/m²				0.30 W/m²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 334.93m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 169.55m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 251.98m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 193.83m²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
	Solar Radiation through Glazing		3.65 W/m²				3.65 W/m²				4.21 W/m²				3.50 W/m²		
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.51 W/m²				11.21 W/m²				11.81 W/m²				10.51 W/m²			
Overall RTTV _{Wall}		11.04 W/m²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		445.08 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 12)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		797.44 m ²		Window to Wall Ratio = 0.29		633.48 m ²		Window to Wall Ratio = 0.24		743.29 m ²		Window to Wall Ratio = 0.32		773.10 m ²		Window to Wall Ratio = 0.33	
Total Window Factor		227.52 m ²				154.43 m ²				234.37m ²				254.52 m ²			
Heat Conduction	Opaque Wall	6.69 W/m ²				7.87W/m ²				7.47W/m ²				6.13W/m ²			
	Window	0.28 W/m ²				0.27 W/m ²				0.36W/m ²				0.33W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 227.52m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 154.43m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 234.37m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 254.52m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		3.17 W/m ²				3.09 W/m ²				4.01W/m ²				4.01 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.14 W/m ²				11.23 W/m ²				11.84 W/m ²				10.47 W/m ²			
Overall RTTV _{Wall}		10.89 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		445.08 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 15)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		842.92 m ²		Window to Wall Ratio = 0.38		452.83 m ²		Window to Wall Ratio = 0.29		763.47 m ²		Window to Wall Ratio = 0.29		552.55 m ²		Window to Wall Ratio = 0.40	
Total Window Factor		324.30 m ²				129.30 m ²				224.37 m ²				219.55 m ²			
Heat Conduction	Opaque Wall	5.34 W/m ²				7.36W/m ²				7.77W/m ²				5.55 W/m ²			
	Window	0.37 W/m ²				0.32 W/m ²				0.34W/m ²				0.40 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 324.30m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 129.30m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 224.37m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 219.55m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		4.40 W/m ²				3.60 W/m ²				3.78 W/m ²				4.71 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.11 W/m ²				11.27 W/m ²				11.89 W/m ²				10.65 W/m ²			
Overall RTTV _{Wall}		10.95 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		156.19 m²				
Total Skylight Area		0 m²				
Heat Conduction	Roof	3.86 W/m²				
	Skylight	0 W/m²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 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.

PNAP
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Appendix A

Address: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 16)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West				
Wall Orientation Factor		0.79				1.072				0.975				1.131				
Total External Wall Area (Residential Units)		1787.86 m ²		Window to Wall Ratio = 0.37		523.79m ²		Window to Wall Ratio = 0		1517.54m ²		Window to Wall Ratio = 0.41		667.12m ²		Window to Wall Ratio = 0.18		
Total Window Factor		655.41m ²				0 m ²				617.88m ²				122.99m ²				
Heat Conduction	Opaque Wall	5.04W/m ²				11.02W/m ²				5.28W/m ²				8.88W/m ²				
	Window	0.30W/m ²				0 W/m ²				0.42W/m ²				0.22W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 655.41m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 617.88m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 122.99m ²	SC= 0.32	VLT= 50 % ER= 7 %	
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Solar Radiation through Glazing		3.80W/m ²				0 W/m ²				4.79W/m ²				2.79W/m ²				
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		9.15 W/m ²				11.02 W/m ²				10.49 W/m ²				11.89 W/m ²				
Overall RTTV _{Wall}		10.22 W/m ²																

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		543.13m²					
Total Skylight Area		0 m²					
Heat Conduction	Roof	3.86 W/m²					
	Skylight	0 W/m²					
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= %	ER= %	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0 W/m²					
Average Absorptivity (roof)		0.9					
Overall RTTV _{Roof}		3.71 W/m²					

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 17)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				West				
Wall Orientation Factor		0.79				1.072				0.975				1.131				
Total External Wall Area (Residential Units)		1572.61m²		Window to Wall Ratio = 0.33		599.12m²		Window to Wall Ratio = 0.24		1447.70m²		Window to Wall Ratio = 0.44		612.37m²		Window to Wall Ratio = 0.09		
Total Window Factor		524.40m²				143.69 m²				643.10m²				55.93m²				
Heat Conduction	Opaque Wall	5.46W/m²				8.00W/m²				4.67W/m²				9.88W/m²				
	Window	0.28W/m²				0.27 W/m²				0.46W/m²				0.11W/m²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m²	SC=	VLT= % ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 655.41m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 143.69m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 643.10m²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 55.93m²	SC= 0.32	VLT= 50 % ER= 7 %	
		<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m²	SC=	VLT= % ER= %	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No					
	Solar Radiation through Glazing		3.46W/m²				3.26 W/m²				5.37W/m²				1.38W/m²			
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		9.19 W/m²				11.54 W/m²				10.50 W/m²				11.36 W/m²				
Overall RTTV _{Wall}		10.22 W/m²																

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		518.79m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 18)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		927.93 m ²		Window to Wall Ratio = 0.37		354.71 m ²		Window to Wall Ratio = 0		827.21 m ²		Window to Wall Ratio = 0.46		386.24 m ²		Window to Wall Ratio = 0.07	
Total Window Factor		342.02 m ²				0 m ²				377.31m ²				26.13 m ²			
Heat Conduction	Opaque Wall	6.09 W/m ²				10.69W/m ²				5.56W/m ²				8.93W/m ²			
	Window	0.36 W/m ²				0 W/m ²				0.52W/m ²				0.07W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 342.02m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 377.31m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 26.13m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		4.06 W/m ²				0 W/m ²				5.92W/m ²				0.87 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.50 W/m ²				10.69 W/m ²				12.00 W/m ²				9.87 W/m ²			
Overall RTTV _{Wall}		10.93 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		394.87 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 19)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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-West				South-East			
Wall Orientation Factor		0.924				0.965				1.092				1.051			
Total External Wall Area (Residential Units)		927.93 m ²	Window to Wall Ratio = 0.37		354.71 m ²		Window to Wall Ratio = 0		827.21 m ²		Window to Wall Ratio = 0.46		386.24 m ²		Window to Wall Ratio = 0.07		
Total Window Factor		342.02 m ²			0 m ²				377.31m ²				26.13 m ²				
Heat Conduction	Opaque Wall	6.09 W/m ²				9.82W/m ²				5.56W/m ²				9.72W/m ²			
	Window	0.36 W/m ²				0 W/m ²				0.52W/m ²				0.08W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 342.02m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 0m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 377.31m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 26.13m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		4.06 W/m ²				0 W/m ²				5.92W/m ²				0.95 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.50 W/m ²				9.82 W/m ²				12.00 W/m ²				10.75 W/m ²			
Overall RTTV _{Wall}		10.94 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		394.87 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 20)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		1025.01 m ²		Window to Wall Ratio = 0.39		292.07 m ²		Window to Wall Ratio = 0.04		1089.40 m ²		Window to Wall Ratio = 0.38		251.53 m ²		Window to Wall Ratio = 0.01	
Total Window Factor		398.94 m ²				10.72 m ²				414.44m ²				1.86 m ²			
Heat Conduction	Opaque Wall	5.81 W/m ²				10.27W/m ²				6.63W/m ²				9.83W/m ²			
	Window	0.38 W/m ²				0.04 W/m ²				0.44W/m ²				0.01W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 398.94m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.72m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 414.44m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 1.86m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		4.47 W/m ²				0.52 W/m ²				5.07W/m ²				0.10 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.65 W/m ²				10.82 W/m ²				12.14 W/m ²				9.93 W/m ²			
Overall RTTV _{Wall}		11.21 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		395.24 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 21)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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-West				South-East			
Wall Orientation Factor		0.924				0.965				1.092				1.051			
Total External Wall Area (Residential Units)		1025.01 m ²		Window to Wall Ratio = 0.39		292.07 m ²		Window to Wall Ratio = 0.04		1089.40 m ²		Window to Wall Ratio = 0.38		251.53 m ²		Window to Wall Ratio = 0.01	
Total Window Factor		398.94 m ²				10.72 m ²				414.44m ²				1.86 m ²			
Heat Conduction	Opaque Wall	5.81 W/m ²				9.43 W/m ²				6.63W/m ²				10.70 W/m ²			
	Window	0.38 W/m ²				0.04 W/m ²				0.44W/m ²				0.01W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 398.94m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 10.72m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 414.44m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 1.86m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		4.47 W/m ²				0.47 W/m ²				5.07W/m ²				0.10 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.65 W/m ²				9.94 W/m ²				12.14 W/m ²				10.81 W/m ²			
Overall RTTV _{Wall}		11.20 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		395.24 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 22)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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				North-West			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		1052.28 m ²		Window to Wall Ratio = 0.34		279.47 m ²		Window to Wall Ratio = 0.05		1003.71 m ²		Window to Wall Ratio = 0.41		285.17 m ²		Window to Wall Ratio = 0.09	
Total Window Factor		361.71 m ²				14.81 m ²				412.90m ²				24.55 m ²			
Heat Conduction	Opaque Wall	6.24 W/m ²				10.27W/m ²				6.14W/m ²				8.98W/m ²			
	Window	0.33 W/m ²				0.06 W/m ²				0.47W/m ²				0.09W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 361.71m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 14.81m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 412.90m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 24.55m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		3.92 W/m ²				0.74 W/m ²				5.53W/m ²				1.11 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.50 W/m ²				10.97 W/m ²				12.15 W/m ²				10.18 W/m ²			
Overall RTTV _{Wall}		11.14 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		395.24 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				

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: Proposed Comprehensive Development at Wetland Park TSWTL no. 34 (Tower 23)		BD Ref. No.
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	10 (G/F to 10/F)	

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-West				South-East			
Wall Orientation Factor		0.924				0.965				1.092				1.051			
Total External Wall Area (Residential Units)		1052.28 m ²		Window to Wall Ratio = 0.34		279.47 m ²		Window to Wall Ratio = 0.05		1003.71 m ²		Window to Wall Ratio = 0.41		285.17 m ²		Window to Wall Ratio = 0.09	
Total Window Factor		361.71 m ²				14.81 m ²				412.90m ²				24.55 m ²			
Heat Conduction	Opaque Wall	6.24 W/m ²				9.34 W/m ²				6.14W/m ²				9.78 W/m ²			
	Window	0.33 W/m ²				0.05 W/m ²				0.47W/m ²				0.09W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= % ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 361.71m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 14.81m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 412.90m ²	SC= 0.32	VLT= 50 % ER= 7 %	<input checked="" type="checkbox"/> Tinted	Area= 24.55m ²	SC= 0.32	VLT= 50 % ER= 7 %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Solar Radiation through Glazing		3.92 W/m ²				0.68 W/m ²				5.53W/m ²				1.21 W/m ²		
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.50 W/m ²				10.07 W/m ²				12.15 W/m ²				11.09 W/m ²			
Overall RTTV _{Wall}		11.15 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		395.24 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	3.86 W/m ²				
	Skylight	0 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.9				
Overall RTTV _{Roof}		3.71 W/m ²				