

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: 9 Sai Wan Ho Street, Shau Kei Wan, Hong Kong		BD Ref. No. BD2/3001/16
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)	24	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	East	North	West	South			
Average Absorptivity	0.33	0.33	0.33	0.33			
Average Window to Wall Ratio	0	0.65	0	0.08			
Shading Coefficient of Glazing		0.64		0.64			
Average Shading Coefficient of Facade		0.64		0.64			
Visible Light Transmittance	%	50 %	%	50 %	%	%	%
External Reflectance	%	5 %	%	5 %	%	%	%

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		East				North				West				South			
Wall Orientation Factor		1.072				0.79				1.131				0.975			
Total External Wall Area (Residential Units)		25.63 m ²		Window to Wall Ratio = 0		81.41 m ²		Window to Wall Ratio = 0.65		25.63 m ²		Window to Wall Ratio = 0		18.26 m ²		Window to Wall Ratio = 0.08	
Total Window Factor		0 m ²				53.11 m ²				0 m ²				1.5 m ²			
Heat Conduction	Opaque Wall	3.91 W/m ²				0.47 W/m ²				4.12 W/m ²				3.39 W/m ²			
	Window	0 W/m ²				1.74 W/m ²				0 W/m ²				0.27 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"/> Reflect	Area= m ²	SC=	VLT= ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= ER= %	<input checked="" type="checkbox"/> Tinted	Area= 53.11 m ²	SC= 0.65	VLT= 50 % ER= 5 %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= ER= %	<input checked="" type="checkbox"/> Tinted	Area= 1.5 m ²	SC= 0.65	VLT= 50 % ER= 5 %
		<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 type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
External Shading	Overhang	<input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Sidefin	<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Solar Radiation through Glazing		W/m ²				13.51 W/m ²				W/m ²				2.14 W/m ²			
Average Absorptivity						0.33								0.33			
RTTV _{Wall} at each facade		3.91 W/m ²				15.72 W/m ²				4.12 W/m ²				5.80 W/m ²			
Overall RTTV _{Wall}										10.55 W/m ²							

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		230.1 m ²									
Total Skylight Area		m ²									
Heat Conduction	Roof	2.88 W/m ²									
	Skylight	W/m ²									
Skylight	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"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Solar Radiation through Glazing		W/m ²									
Average Absorptivity (roof)		0.7									
Overall RTTV _{Roof}		2.88 W/m ²									