

RTTV Summary Sheet

Address: 1.L.9049, Sik On Street, Wan Chai, Hong Kong		BD Ref. No. BD 2/3003/14
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)	11	

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		NE				SE				SW				NW						
Wall Orientation Factor		0.924				1.051				1.072				0.965						
Total External Wall Area (Residential Units)		143 m ²		Window to Wall Ratio = 0.26		411 m ²		Window to Wall Ratio = 0.55		143 m ²		Window to Wall Ratio = 0.26		0 m ²		Window to Wall Ratio = /				
Total Window Area		37 m ²				226 m ²				37 m ²				0 m ²						
Heat Conduction	Opaque Wall	2.58 W/m ²				0.9 W/m ²				3.05 W/m ²				0 W/m ²						
	Window	0.93 W/m ²				2.16 W/m ²				1.1 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 checked="" type="checkbox"/> Tinted	Area= 37 m ²	SC= 0.63	VLT= 63% ER= 6%		<input checked="" type="checkbox"/> Tinted	Area= 411 m ²	SC= 0.63	VLT= 63% ER= 6%		<input checked="" type="checkbox"/> Tinted	Area= 37 m ²	SC= 0.63	VLT= 63% ER= 6%		<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= %		<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 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 type="checkbox"/> No						
External Shading	Overhang	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No						
	Sidefin	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No						
Solar Radiation through Glazing		6.12 W/m ²				12.67 W/m ²				7.23 W/m ²				0 W/m ²						
Average Absorptivity		0.3 / 0.5 / 0.8				0.3 / 0.5 / 0.8				0.3 / 0.5 / 0.8				/						
RTTV _{wall} at each facade		9.63 W/m ²				15.83 W/m ²				11.38 W/m ²				0 W/m ²						
Overall RTTV _{wall}		13.64 W/m ²																		

Table 3

RTTV _{roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		40.9 m ²				
Total Skylight Area		0 m ²				
Heat Conduction	Roof	2.8 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 type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		0 W/m ²				
Average Absorptivity (roof)		0.7				
Overall RTTV _{roof}		2.8 W/m ²				

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

Notes :

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