

RTTV Summary Sheet

Address: PROPOSED RESIDENTIAL REDEVELOPMENT AT 6 SEYMOUR TERRACE, 62C, ROBINSON ROAD, HONG KONG		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)	25	

Table 1

Deemed to Satisfy RTTV <sub>wall</sub>									
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 <sub>wall</sub>																	
Facade Orientation Facing		NE				NW				SW				SE			
Wall Orientation Factor		0.924				0.965				1.092				1.051			
Total External Wall Area (Residential Units)		891.53 m <sup>2</sup>				486.36 m <sup>2</sup>				973.15 m <sup>2</sup>				154.04 m <sup>2</sup>			
Total Window Area		646.74 m <sup>2</sup> = 0.73				0 m <sup>2</sup> = 0				580.78 m <sup>2</sup> = 0.60				4.90 m <sup>2</sup> = 0.03			
Heat Conduction	Opaque Wall	2.46 W/m <sup>2</sup>				5.22 W/m <sup>2</sup>				3.85 W/m <sup>2</sup>				5.50 W/m <sup>2</sup>			
	Window	0.70 W/m <sup>2</sup>				0 W/m <sup>2</sup>				0.68 W/m <sup>2</sup>				0.03 W/m <sup>2</sup>			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	
		<input checked="" type="checkbox"/> Clear	Area= 646.74 m <sup>2</sup>	SC= 0.35	VLT= 65 %	ER= 12 %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Clear	Area= 580.78 m <sup>2</sup>	SC= 0.35	VLT= 65 %	ER= 12 %	
	Double Glazing	<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			
External Shading	Overhang	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input 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 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			
Solar Radiation through Glazing		8.43 W/m <sup>2</sup>				0 W/m <sup>2</sup>				7.76 W/m <sup>2</sup>				0.46 W/m <sup>2</sup>			
Average Absorptivity		1				0.5				0.9				0.5			
RTTV <sub>wall</sub> at each facade		11.59 W/m <sup>2</sup>				5.22 W/m <sup>2</sup>				12.29 W/m <sup>2</sup>				5.99 W/m <sup>2</sup>			
Overall RTTV <sub>wall</sub>		10.28 W/m <sup>2</sup>															

Table 3

RTTV <sub>Roof</sub>							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		62.7 m <sup>2</sup>					
Total Skylight Area		0 m <sup>2</sup>					
Heat Conduction	Roof	2.79 W/m <sup>2</sup>					
	Skylight	0 W/m <sup>2</sup>					
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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 <sup>2</sup>					
Average Absorptivity (roof)		2.79					
Overall RTTV <sub>Roof</sub>		2.79 W/m <sup>2</sup>					

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.

(9/2014)