

796

### RTTV Summary Sheet

Address: <b>8 Hing Hon Road</b>		BD Ref. No. <b>2/2028/15</b>
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input checked="" type="checkbox"/> 3. Others, please specify : <b>M/E Engineer</b>	
No. of Storeys (Residential Units)	<b>26</b>	

**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	South East				South West				North West				North East						
Wall Orientation Factor	<b>1.051</b>				<b>1.092</b>				<b>0.965</b>				<b>0.924</b>						
Total External Wall Area (Residential Units)	<b>628.50m<sup>2</sup></b>		Window to Wall Ratio		<b>421.54m<sup>2</sup></b>		Window to Wall Ratio		<b>2174.45m<sup>2</sup></b>		Window to Wall Ratio		<b>517.61m<sup>2</sup></b>		Window to Wall Ratio				
Total Window Area	<b>219.14m<sup>2</sup></b>		<b>= 0.35</b>		<b>0.00m<sup>2</sup></b>		<b>= 0.00</b>		<b>1579.11m<sup>2</sup></b>		<b>= 0.77</b>		<b>48.75m<sup>2</sup></b>		<b>= 0.09</b>				
Heat Conduction	Opaque Wall				Window				Opaque Wall				Window						
	<b>5.37W/m<sup>2</sup></b>				<b>9.24W/m<sup>2</sup></b>				<b>0.85W/m<sup>2</sup></b>				<b>7.04W/m<sup>2</sup></b>						
Window	Glass Type	<input type="checkbox"/> Reflective	Area=	SC=	VLT=	<input type="checkbox"/> Reflective	Area=	SC=	VLT=	<input type="checkbox"/> Reflective	Area=	SC=	VLT=	<input type="checkbox"/> Reflective	Area=	SC=	VLT=		
		<input checked="" type="checkbox"/> Tinted	<b>199.93 m<sup>2</sup></b>	<b>0.36</b>	<b>54 %</b>	<input type="checkbox"/> Tinted				<input checked="" type="checkbox"/> Tinted	<b>1579.11 m<sup>2</sup></b>	<b>0.36</b>	<b>14 %</b>	<input checked="" type="checkbox"/> Tinted	<b>48.75 m<sup>2</sup></b>	<b>0.36</b>	<b>14 %</b>	<input type="checkbox"/> Clear	
		<input checked="" type="checkbox"/> Clear	<b>19.66m<sup>2</sup></b>	<b>0.95</b>	<b>89 %</b>	<input type="checkbox"/> Clear				<input type="checkbox"/> Clear				<input type="checkbox"/> Clear					
Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input 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 type="checkbox"/> Yes <input checked="" 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						
	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 Gazing	<b>6.32W/m<sup>2</sup></b>				<b>0.00W/m<sup>2</sup></b>				<b>10.53W/m<sup>2</sup></b>				<b>1.31W/m<sup>2</sup></b>						
Average Absorptivity	<b>0.8</b>				<b>0.8</b>				<b>0.8</b>				<b>0.8</b>						
RTTV <sub>wall</sub> at each facade	<b>12.14W/m<sup>2</sup></b>				<b>9.24W/m<sup>2</sup></b>				<b>12.11W/m<sup>2</sup></b>				<b>8.44W/m<sup>2</sup></b>						
Overall RTTV <sub>wall</sub>	<b>11.23W/m<sup>2</sup></b>																		

**Table 3**

RTTV <sub>roof</sub>									
Roof Orientation Factor	<b>2.16</b>								
Total Roof Area (Residential Units)	<b>121.24m<sup>2</sup></b>								
Total Skylight Area	<b>m<sup>2</sup></b>								
Heat Conduction	Roof								
	<b>2.89W/m<sup>2</sup></b>								
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	SC=	VLT=	<input type="checkbox"/> Reflective	Area=	SC=	VLT=
		<input type="checkbox"/> Tinted	<b>m<sup>2</sup></b>		<b>%</b>	<input type="checkbox"/> Tinted	<b>m<sup>2</sup></b>		<b>%</b>
		<input type="checkbox"/> Clear	<b>m<sup>2</sup></b>		<b>%</b>	<input type="checkbox"/> Clear	<b>m<sup>2</sup></b>		<b>%</b>
Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No								
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No								
Solar Radiation through Glazing	<b>W/m<sup>2</sup></b>								
Average Absorptivity (roof)	<b>0.7</b>								
Overall RTTV <sub>roof</sub>	<b>2.89W/m<sup>2</sup></b>								

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.

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Address: <b>8 Hing Hon Road</b>		BD Ref. No. <b>2/2028/15</b>
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RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify: <b>M/E Engineer</b>	
No. of Storeys (Residential Units)	<b>26</b>	

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	<b>North</b>																				
Wall Orientation Factor	<b>0.79</b>																				
Total External Wall Area (Residential Units)	<b>122.19m<sup>2</sup></b>				Window to Wall Ratio				m <sup>2</sup> Window to Wall Ratio				m <sup>2</sup> Window to Wall Ratio								
Total Window Area	<b>81.46m<sup>2</sup></b>				<b>= 0.67</b>				m <sup>2</sup> =				m <sup>2</sup> =								
Heat Conduction	Opaque Wall	<b>1.04W/m<sup>2</sup></b>				W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>							
	Window	<b>0.55W/m<sup>2</sup></b>				W/m <sup>2</sup>				W/m <sup>2</sup>				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"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Tinted	Area= <b>81.46 m<sup>2</sup></b>	SC= <b>0.36</b>	VLT= <b>54 %</b>	ER= <b>14 %</b>	<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 type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		Double Glazing		<input checked="" 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		<input type="checkbox"/> Yes <input type="checkbox"/> No							
External Shading	Overhang		<input type="checkbox"/> Yes <input checked="" 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						
	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						
Solar Radiation through Gazing	<b>7.92W/m<sup>2</sup></b>				W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>								
Average Absorptivity	<b>0.8</b>																				
RTTV <sub>Wall</sub> at each facade	<b>9.51W/m<sup>2</sup></b>				W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>								
Overall RTTV <sub>Wall</sub>	W/m <sup>2</sup>																				

Table 3

RTTV <sub>Roof</sub>											
Roof Orientation Factor											
Total Roof Area (Residential Units)	m <sup>2</sup>										
Total Skylight Area	m <sup>2</sup>										
Heat Conduction	Roof	W/m <sup>2</sup>									
	Skylight	W/m <sup>2</sup>									
Skylight	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"/> Tinted	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= %	<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	W/m <sup>2</sup>										
Average Absorptivity (roof)											
Overall RTTV <sub>Roof</sub>	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.