

## RTTV Summary Sheet

Address: <b>HO MAN TIN STATION PACKAGE ONE PROPERTY DEVELOPMENT (PHASE A &amp; B)</b>		BD Ref. No.
Building Type:	Residential <b>Tower 1</b>	
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)	<b>24</b>	

**Table 1** N/A

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				Southeast				Northeast				Northwest			
Wall Orientation Factor		0.975				1.051				0.924				0.965			
Total External Wall Area (Residential Units)		2503.4 m <sup>2</sup>				1809.7 m <sup>2</sup>				2428.8 m <sup>2</sup>				2141.4 m <sup>2</sup>			
Total Window Area		1414.93 m <sup>2</sup>				585.73 m <sup>2</sup>				1329.24 m <sup>2</sup>				421.55 m <sup>2</sup>			
Window to Wall Ratio		= 0.565				= 0.324				= 0.547				= 0.197			
Heat Conduction	Opaque Wall	1.5 W/m <sup>2</sup>				2.85 W/m <sup>2</sup>				1.55 W/m <sup>2</sup>				3.34 W/m <sup>2</sup>			
	Window	0.6 W/m <sup>2</sup>				0.37 W/m <sup>2</sup>				0.55 W/m <sup>2</sup>				0.21 W/m <sup>2</sup>			
Window	Glass Type	F1	Area=	SC=	VLT=												
		770.66 m <sup>2</sup>	0.42	ER=	19 %	393.07 m <sup>2</sup>	0.42	ER=	19 %	739.74 m <sup>2</sup>	0.42	ER=	19 %	263.03 m <sup>2</sup>	0.42	ER=	19 %
		F2	Area=	SC=	VLT=												
		342.86 m <sup>2</sup>	0.42	ER=	19 %	27.05 m <sup>2</sup>	0.42	ER=	19 %	388.26 m <sup>2</sup>	0.42	ER=	19 %	7.6 m <sup>2</sup>	0.42	ER=	19 %
F1.1	Area=	301.41 m <sup>2</sup>				165.61 m <sup>2</sup>				201.24 m <sup>2</sup>				150.92 m <sup>2</sup>			
		0.43 ER=19 %				0.43 ER=19 %				0.43 ER=19 %				0.43 ER=19 %			
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			
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 checked="" 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 checked="" type="checkbox"/> No			
Solar Radiation through Glazing		9.71 W/m <sup>2</sup>				6.01 W/m <sup>2</sup>				8.9 W/m <sup>2</sup>				3.92 W/m <sup>2</sup>			
Average Absorptivity		0.679				0.606				0.655				0.557			
RTTV <sub>Wall</sub> at each facade		11.81 W/m <sup>2</sup>				9.22 W/m <sup>2</sup>				10.99 W/m <sup>2</sup>				7.47 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		10.01 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		225.76 m <sup>2</sup>					
Total Skylight Area		N/A m <sup>2</sup>					
Heat Conduction	Roof	1.62 W/m <sup>2</sup>					
	Skylight	N/A 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		N/A W/m <sup>2</sup>					
Average Absorptivity (roof)		0.5					
Overall RTTV <sub>Roof</sub>		1.62 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.

## RTTV Summary Sheet

Address: <b>HO MAN TIN STATION PACKAGE ONE PROPERTY DEVELOPMENT (PHASE A &amp; B)</b>		BD Ref. No. <b>2/7004/10(P1)</b>
Building Type:	Residential <b>Tower 2</b>	
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)	<b>24</b>	

**Table 1** **N/A**

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				Southeast				Northeast				Northwest			
Wall Orientation Factor		0.975				1.051				0.924				0.965			
Total External Wall Area (Residential Units)		2446.9 m <sup>2</sup>		Window to Wall Ratio		1810.7 m <sup>2</sup>		Window to Wall Ratio		2520.9 m <sup>2</sup>		Window to Wall Ratio		2128.5 m <sup>2</sup>		Window to Wall Ratio	
Total Window Area		1355.55 m <sup>2</sup>		= 0.554		547.12 m <sup>2</sup>		= 0.302		1299.06 m <sup>2</sup>		= 0.515		456.45 m <sup>2</sup>		= 0.214	
Heat Conduction	Opaque Wall	1.51 W/m <sup>2</sup>				2.99 W/m <sup>2</sup>				1.65 W/m <sup>2</sup>				3.2 W/m <sup>2</sup>			
	Window	0.59 W/m <sup>2</sup>				0.34 W/m <sup>2</sup>				0.52 W/m <sup>2</sup>				0.22 W/m <sup>2</sup>			
Window	Glass Type	F1	Area=	SC=	VLT= %	F1	Area=	SC=	VLT= %	F1	Area=	SC=	VLT= %	F1	Area=	SC=	VLT= %
			738.58 m <sup>2</sup>	0.42	ER= %		350.08 m <sup>2</sup>	0.42	ER= %		684.97 m <sup>2</sup>	0.42	ER= %		288.07 m <sup>2</sup>	0.42	ER= %
		F2	Area=	SC=	VLT= %	F2	Area=	SC=	VLT= %	F2	Area=	SC=	VLT= %	F2	Area=	SC=	VLT= %
		336.8 m <sup>2</sup>	0.42	ER= %		14.08 m <sup>2</sup>	0.42	ER= %		385.18 m <sup>2</sup>	0.42	ER= %		11.22 m <sup>2</sup>	0.42	ER= %	
		Area=	SC=	VLT= %	F1.1	Area=	SC=	VLT= %	F1.1	Area=	SC=	VLT= %	F1.1	Area=	SC=	VLT= %	
		280.17 m <sup>2</sup>	0.43	ER= %		182.96 m <sup>2</sup>	0.43	ER= %		228.91 m <sup>2</sup>	0.43	ER= %		157.16 m <sup>2</sup>	0.43	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			
	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 checked="" 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 checked="" type="checkbox"/> No			
Solar Radiation through Glazing		9.52 W/m <sup>2</sup>				5.61 W/m <sup>2</sup>				8.38 W/m <sup>2</sup>				4.16 W/m <sup>2</sup>			
Average Absorptivity		0.688				0.595				0.656				0.572			
RTTV <sub>Wall</sub> at each facade		11.62 W/m <sup>2</sup>				8.95 W/m <sup>2</sup>				10.55 W/m <sup>2</sup>				7.58 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		9.81 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		228.9 m <sup>2</sup>					
Total Skylight Area		N/A m <sup>2</sup>					
Heat Conduction	Roof	1.62 W/m <sup>2</sup>					
	Skylight	N/A 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		N/A W/m <sup>2</sup>					
Average Absorptivity (roof)		0.5					
Overall RTTV <sub>Roof</sub>		1.62 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.

## RTTV Summary Sheet

Address: <b>HO MAN TIN STATION PACKAGE ONE PROPERTY DEVELOPMENT (PHASE A &amp; B)</b>		BD Ref. No.
Building Type:	Residential <b>Tower 3</b>	
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)	<b>24</b>	

**Table 1** **N/A**

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				Southeast				Northeast				Northwest			
Wall Orientation Factor		0.975				1.051				0.924				0.965			
Total External Wall Area (Residential Units)		2303.7 m <sup>2</sup>				1847.5 m <sup>2</sup>				2528.1 m <sup>2</sup>				2243.7 m <sup>2</sup>			
Total Window Area		1197.27 m <sup>2</sup>				448.87 m <sup>2</sup>				1349.2 m <sup>2</sup>				578.89 m <sup>2</sup>			
Window to Wall Ratio		= 0.52				= 0.243				= 0.534				= 0.295			
Heat Conduction	Opaque Wall	1.73 W/m <sup>2</sup>				3.46 W/m <sup>2</sup>				1.56 W/m <sup>2</sup>				2.76 W/m <sup>2</sup>			
	Window	0.55 W/m <sup>2</sup>				0.28 W/m <sup>2</sup>				0.54 W/m <sup>2</sup>				0.31 W/m <sup>2</sup>			
Window	Glass Type	F1	Area=	SC=	VLT= %	F1	Area=	SC=	VLT= %	F1	Area=	SC=	VLT= %	F1	Area=	SC=	VLT= %
		561.1 m <sup>2</sup>	0.42	ER= 19 %	260.35 m <sup>2</sup>	0.42	ER= %	704.15 m <sup>2</sup>	0.42	ER= %	397.98 m <sup>2</sup>	0.42	ER= %				
		F2	Area=	SC=	VLT= %	F2	Area=	SC=	VLT= %	F2	Area=	SC=	VLT= %	F2	Area=	SC=	VLT= %
332.35 m <sup>2</sup>	0.42	ER= %	13.74 m <sup>2</sup>	0.42	ER= %	408.88 m <sup>2</sup>	0.42	ER= %	23.75 m <sup>2</sup>	0.42	ER= %						
303.82 m <sup>2</sup>	SC=	VLT= %	F1.1	Area=	SC=	VLT= %	F1.1	Area=	SC=	VLT= %	F1.1	Area=	SC=	VLT= %			
	ER= %	ER= %	174.78 m <sup>2</sup>	0.43	ER= %	236.17 m <sup>2</sup>	0.43	ER= %	157.16 m <sup>2</sup>	0.43	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			
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 checked="" 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 checked="" type="checkbox"/> No			
Solar Radiation through Glazing		8.59 W/m <sup>2</sup>				4.62 W/m <sup>2</sup>				8.68 W/m <sup>2</sup>				4.96 W/m <sup>2</sup>			
Average Absorptivity		0.656				0.565				0.665				0.597			
RTTV <sub>Wall</sub> at each facade		10.87 W/m <sup>2</sup>				8.36 W/m <sup>2</sup>				10.78 W/m <sup>2</sup>				8.03 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		9.61 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		194 m <sup>2</sup>					
Total Skylight Area		N/A m <sup>2</sup>					
Heat Conduction	Roof	1.62 W/m <sup>2</sup>					
	Skylight	N/A 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		N/A W/m <sup>2</sup>					
Average Absorptivity (roof)		0.5					
Overall RTTV <sub>Roof</sub>		1.62 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.