

RTTV Summary Sheet

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: 201 HAI TAN STREET, CHEUNG SHA WAN, N.K.I.L. 6506 (SITE C) 73 BD Ref. No. 4048/09 (SITE C)

Building Type: Residential

RTTV calculated by: 1. Registered Professional Engineers
 2. Architect
 3. Others, please specify:

No. of Storeys (Residential Units): 33

Table 1

Deemed to Satisfy RTTV _{Wall}									Total
Facade Orientation Facing	N	NE	E	SE	S	SW	W	NW	
Average Absorptivity	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
Average Window to Wall Ratio	0.52	0.24	0.51	0.31	0.52	0.30	0.52	0.31	
Shading Coefficient of Glazing	Refer to attachment 1	Refer to attachment 2	Refer to attachment 3	Refer to attachment 4	Refer to attachment 5	Refer to attachment 6	Refer to attachment 7	Refer to attachment 8	
Average Shading Coefficient of Facade	0.634	0.632	0.638	0.628	0.56	0.614	0.56	0.599	0.613
Visible Light Transmittance	Refer to attachment 1	Refer to attachment 2	Refer to attachment 3	Refer to attachment 4	Refer to attachment 5	Refer to attachment 6	Refer to attachment 7	Refer to attachment 8	52.44
External Reflectance									7.35

Table 2

RTTV _{Wall}																				
Facade Orientation Facing		N				NE				E				SE						
Wall Orientation Factor		0.79				0.924				1.072				1.051						
Total External Wall Area (Residential Units)		595.98 m ²		Window to Wall Ratio = 0.52		2834.40 m ²		Window to Wall Ratio = 0.24		582.12 m ²		Window to Wall Ratio = 0.51		3196.71 m ²		Window to Wall Ratio = 0.31				
Total Window Factor		309.91 m ²				680.28 m ²				296.88 m ²				990.98 m ²						
Heat Conduction	Opaque Wall	1.52 W/m ²				2.81 W/m ²				2.10 W/m ²				2.90 W/m ²						
	Window	1.23 W/m ²				0.69 W/m ²				1.64 W/m ²				1.00 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 type="checkbox"/> Tinted	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 checked="" type="checkbox"/> Clear	Refer to attachment 1				<input checked="" type="checkbox"/> Clear	Refer to attachment 2				<input checked="" type="checkbox"/> Clear	Refer to attachment 3				<input checked="" type="checkbox"/> Clear	Refer to attachment 4			
	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 checked="" type="checkbox"/> No						
External Shading	Overhang	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
	Sidfin	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
Solar Radiation through Glazing		10.71 W/m ²				4.45 W/m ²				12.44 W/m ²				6.26 W/m ²						
Average Absorptivity		0.6				0.6				0.6				0.6						
RTTV _{Wall} at each facade		13.46 W/m ²				7.95 W/m ²				16.18 W/m ²				10.17 W/m ²						
Overall RTTV _{Wall}		5.23 W/m ² <14																		

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		300.63 m ²									
Total Skylight Area		/ m ²									
Heat Conduction	Roof	2.83 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									
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No										
Solar Radiation through Glazing		/ W/m ²									
Average Absorptivity (roof)		0.7									
Overall RTTV _{Roof}		2.83 W/m ² <4									

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: 201 HAI TAN STREET, CHEUNG SHA WAN, N.K.I.L. 6506 (SITE C)		BD Ref. No. 4048/09 (SITE C)
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)	33	

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		S				SW				W				NW						
Wall Orientation Factor		0.975				1.092				1.131				0.965						
Total External Wall Area (Residential Units)		572.22 m ²		Window to Wall Ratio = 0.52		2530.44 m ²		Window to Wall Ratio = 0.30		557.37 m ²		Window to Wall Ratio = 0.52		2978.91 m ²		Window to Wall Ratio = 0.31				
Total Window Factor		297.55 m ²				759.13 m ²				289.83 m ²				923.46 m ²						
Heat Conduction	Opaque Wall	1.87 W/m ²				3.06 W/m ²				2.17 W/m ²				2.67 W/m ²						
	Window	1.34 W/m ²				0.98 W/m ²				1.55 W/m ²				0.90 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 type="checkbox"/> Tinted	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 checked="" type="checkbox"/> Clear	Refer to attachment 5				<input checked="" type="checkbox"/> Clear	Refer to attachment 6				<input checked="" type="checkbox"/> Clear	Refer to attachment 7				<input checked="" type="checkbox"/> Clear	Refer to attachment 8			
	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 checked="" type="checkbox"/> No						
External Shading	Overhang	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
	Sidfin	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
Solar Radiation through Glazing		11.93 W/m ²				7.23 W/m ²				13.81 W/m ²				5.45 W/m ²						
Average Absorptivity		0.6				0.6				0.6				0.6						
RTTV _{Wall} at each facade		15.14 W/m ²				11.28 W/m ²				17.53 W/m ²				9.02 W/m ²						
Overall RTTV _{Wall}		5.23 W/m ²																		

Table 3

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



RTTV Summary Sheet

Notes:
 ER = External Reflectance
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 Window and skylight data should represent the major proportion of its use in the development.

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 Appendix **A**

Address: **201 HAI TAN STREET, CHEUNG SHA WAN, N.K.I.L. 6506 (SITE C)** 75 BD Ref. No. **4048/09 (SITE C)**

Building Type: Residential

RTTV calculated by: 1. Registered Professional Engineers
 2. Architect
 3. Others, please specify:

No. of Storeys (Residential Units): **33**

Table 1

Deemed to Satisfy RTTV _{Wall}									Total
Facade Orientation Facing	N	NE	E	SE	S	SW	W	NW	
Average Absorptivity	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
Average Window to Wall Ratio	0.52	0.18	0.51	0.33	0.52	0.28	0.52	0.34	
Shading Coefficient of Glazing	Refer to attachment 1	Refer to attachment 2	Refer to attachment 3	Refer to attachment 4	Refer to attachment 5	Refer to attachment 6	Refer to attachment 7	Refer to attachment 8	
Average Shading Coefficient of Facade	0.634	0.637	0.638	0.628	0.56	0.611	0.56	0.623	0.617
Visible Light Transmittance	Refer to attachment 1	Refer to attachment 2	Refer to attachment 3	Refer to attachment 4	Refer to attachment 5	Refer to attachment 6	Refer to attachment 7	Refer to attachment 8	52.52
External Reflectance									7.36

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		N				NE				E				SE							
Wall Orientation Factor		0.79				0.924				1.072				1.051							
Total External Wall Area (Residential Units)		595.98 m ²		Window to Wall Ratio = 0.52		2292.80 m ²		Window to Wall Ratio = 0.18		582.12 m ²		Window to Wall Ratio = 0.51		2995.74 m ²		Window to Wall Ratio = 0.33					
Total Window Factor		309.91 m ²				412.67 m ²				296.88 m ²				988.59 m ²							
Heat Conduction	Opaque Wall	1.52 W/m ²				3.03 W/m ²				2.10 W/m ²				2.82 W/m ²							
	Window	1.23 W/m ²				0.52 W/m ²				1.64 W/m ²				1.07 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 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"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
	<input checked="" type="checkbox"/> Clear	Refer to attachment 1				<input checked="" type="checkbox"/> Clear	Refer to attachment 2				<input checked="" type="checkbox"/> Clear	Refer to attachment 3				<input checked="" type="checkbox"/> Clear	Refer to attachment 4				
	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 checked="" type="checkbox"/> No							
External Shading	Overhang	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
	Sidefin	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Solar Radiation through Glazing		10.71 W/m ²				3.47 W/m ²				12.44 W/m ²				6.68 W/m ²							
Average Absorptivity		0.6				0.6				0.6				0.6							
RTTV _{Wall} at each facade		13.46 W/m ²				7.03 W/m ²				16.18 W/m ²				10.57 W/m ²							
Overall RTTV _{Wall}						5.06 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		302.56 m ²									
Total Skylight Area		/ m ²									
Heat Conduction	Roof	2.85 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									
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No										
Solar Radiation through Glazing		/ W/m ²									
Average Absorptivity (roof)		0.7									
Overall RTTV _{Roof}		2.85 W/m ²									



RTTV Summary Sheet

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.

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Appendix A

Address: 201 HAI TAN STREET, CHEUNG SHA WAN, N.K.I.L. 6506 (SITE C)		BD Ref. No. 4048/09 (SITE C)
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)	33	

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		S				SW				W				NW						
Wall Orientation Factor		0.975				1.092				1.131				0.965						
Total External Wall Area (Residential Units)		572.22 m ²		Window to Wall Ratio = 0.52		2273.04 m ²		Window to Wall Ratio = 0.28		557.37 m ²		Window to Wall Ratio = 0.52		3026.43 m ²		Window to Wall Ratio = 0.34				
		Total Window Factor		297.55 m ²		636.45 m ²		289.83 m ²		1038.99 m ²										
Heat Conduction	Opaque Wall	1.87 W/m ²				3.15 W/m ²				2.17 W/m ²				2.55 W/m ²						
	Window	1.34 W/m ²				0.94 W/m ²				1.55 W/m ²				0.99 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 type="checkbox"/> Tinted	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 checked="" type="checkbox"/> Clear	Refer to attachment 5				<input checked="" type="checkbox"/> Clear	Refer to attachment 6				<input checked="" type="checkbox"/> Clear	Refer to attachment 7				<input checked="" type="checkbox"/> Clear	Refer to attachment 8			
	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 checked="" type="checkbox"/> No						
External Shading	Overhang	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
	Sidefin	<input checked="" 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				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
Solar Radiation through Glazing		11.93 W/m ²				6.66 W/m ²				13.81 W/m ²				6.25 W/m ²						
Average Absorptivity		0.6				0.6				0.6				0.6						
RTTV _{Wall} at each facade		15.14 W/m ²				10.75 W/m ²				17.53 W/m ²				9.80 W/m ²						
Overall RTTV _{Wall}		5.06 W/m ²																		

Table 3

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

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: 201 HAI TAN STREET, CHEUNG SHA WAN, NKIL 6506 (SITE C) TOWER 3 BD Ref. No. 4048/09 (SITE C)

Building Type: Residential

RTTV calculated by: 1. Registered Professional Engineers
 2. Architect
 3. Others, please specify:

No. of Storeys (Residential Units): 33

Table 1

Deemed to Satisfy RTTV_{Wall}

Facade Orientation Facing	NE	SE	SW	NW	E	S	W	N
Average Absorptivity	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Average Window to Wall Ratio	0.24	0.31	0.30	0.31	0.51	0.52	0.52	0.52
Shading Coefficient of Glazing	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Average Shading Coefficient of Facade	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	8 %	8 %	8 %	8 %	8 %	8 %	8 %	8 %

Table 2

RTTV_{Wall}

Facade Orientation Facing	NE	SE	SW	NW
Wall Orientation Factor	0.924	1.051	1.092	0.975
Total External Wall Area (Residential Units)	2834.37 m ²	3196.71 m ²	2530.44 m ²	2978.91 m ²
Total Window Factor	691.75 m ² = 0.24	998.17 m ² = 0.31	752.83 m ² = 0.30	917.20 m ² = 0.31
Heat Conduction	Opaque Wall: 2.81 W/m ² Window: 0.69 W/m ²	2.90 W/m ² 1.00 W/m ²	3.06 W/m ² 0.99 W/m ²	2.67 W/m ² 0.90 W/m ²
Window	Glass Type: <input type="checkbox"/> Reflective, <input type="checkbox"/> Tinted, <input checked="" type="checkbox"/> Clear Area= 647.5 m ² , SC= 0.56, VLT= 52 %, ER= 8 % Double Glazing: <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No External Shading: Overhang <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No; Sidesfin <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No	Glass Type: <input type="checkbox"/> Reflective, <input type="checkbox"/> Tinted, <input checked="" type="checkbox"/> Clear Area= 998.17 m ² , SC= 0.56, VLT= 52 %, ER= 8 % Double Glazing: <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No External Shading: Overhang <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No; Sidesfin <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No	Glass Type: <input type="checkbox"/> Reflective, <input type="checkbox"/> Tinted, <input checked="" type="checkbox"/> Clear Area= 752.83 m ² , SC= 0.56, VLT= 52 %, ER= 8 % Double Glazing: <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No External Shading: Overhang <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No; Sidesfin <input type="checkbox"/> Yes, <input type="checkbox"/> No	Glass Type: <input type="checkbox"/> Reflective, <input type="checkbox"/> Tinted, <input checked="" type="checkbox"/> Clear Area= 917.20 m ² , SC= 0.56, VLT= 52 %, ER= 8 % Double Glazing: <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No External Shading: Overhang <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No; Sidesfin <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No
Solar Radiation through Glazing	4.42 W/m ²	6.23 W/m ²	7.18 W/m ²	5.4 W/m ²
Average Absorptivity	0.6	0.6	0.6	0.6
RTTV _{Wall} at each facade	7.93 W/m ²	10.14 W/m ²	11.23 W/m ²	8.97 W/m ²
Overall RTTV _{Wall}	5.22 W/m ²			

Table 3

RTTV_{Roof}

Roof Orientation Factor	2.16			
Total Roof Area (Residential Units)	304.63 m ²			
Total Skylight Area	/ m ²			
Heat Conduction	Roof: 2.83 W/m ²	Skylight: / W/m ²		
Skylight	Glass Type: <input type="checkbox"/> Reflective, <input type="checkbox"/> Tinted, <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	NIL		
Solar Radiation through Glazing	/ W/m ²			
Average Absorptivity (roof)	0.7			
Overall RTTV _{Roof}	2.83 W/m ²			



RTTV Summary Sheet

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.

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 Appendix **A**

Address: **201 HAI TAN STREET, CHEUNG SHA WAN, NKIL 6506 (SITE C) TOWER 5** BD Ref. No. **4048/09 (SITE C)**

Building Type: Residential

RTTV calculated by: 1. Registered Professional Engineers
 2. Architect
 3. Others, please specify:

No. of Storeys (Residential Units): **33**

S/S

Table 1

Deemed to Satisfy RTTV_{Wall}

Facade Orientation Facing	NE	SE	SW	NW	E	S	W	N
Average Absorptivity	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Average Window to Wall Ratio	0.18	0.33	0.52	0.34	0.51	0.52	0.52	0.52
Shading Coefficient of Glazing	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Average Shading Coefficient of Facade	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	8 %	8 %	8 %	8 %	8 %	8 %	8 %	8 %

Table 2

RTTV_{Wall}

Facade Orientation Facing	NE	SE	SW	NW
Wall Orientation Factor	0.924	1.051	1.092	0.975
Total External Wall Area (Residential Units)	2292.84 m ²	2995.74 m ²	2273.04 m ²	3026.73 m ²
Window to Wall Ratio	0.18	0.33	0.52	0.34
Total Window Area	416.94 m ²	998.17 m ²	291.06 m ²	1017.70 m ²
Heat Conduction	3.03 W/m ²	2.82 W/m ²	3.15 W/m ²	2.55 W/m ²
Window	0.52 W/m ²	1.07 W/m ²	0.94 W/m ²	0.99 W/m ²
Window Glass Type	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input checked="" type="checkbox"/> Clear
Area	416.94 m ²	998.17 m ²	291.06 m ²	1017.70 m ²
SC	0.56	0.56	0.56	0.56
VLT	52 %	52 %	52 %	52 %
ER	8 %	8 %	8 %	8 %
Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Solar Radiation through Glazing	3.45 W/m ²	6.65 W/m ²	6.6 W/m ²	6.22 W/m ²
Average Absorptivity	0.6	0.6	0.6	0.6
RTTV _{Wall} at each facade	7.01 W/m ²	10.54 W/m ²	10.69 W/m ²	9.77 W/m ²
Overall RTTV _{Wall}	5.05 W/m ²			

Table 3

RTTV_{Roof}

Roof Orientation Factor	2.16
Total Roof Area (Residential Units)	302.56 m ²
Total Skylight Area	0 m ²
Heat Conduction	2.85 W/m ²
Skylight	0 W/m ²
Skylight Glass Type	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input type="checkbox"/> Clear
Area	0 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	0.7 W/m ²
Average Absorptivity (roof)	0.7
Overall RTTV _{Roof}	2.85 W/m ²



**OTTV of Resident's Recreational Facilities
Summary Sheet**

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Appendix **B**

Address: 201 HAI TAN STREET, CHEUNG SHA WAN, NKIL 6506 (SITE C)		BD Ref. No: 4048/09 (SITE C)					
Building Type / Use:		Resident's Recreational Facilities					
OTTV calculated by:		<input checked="" type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:					
Classification:		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower					
No. of Storeys (RRF):		4					
Gross Floor Area:		1481.591 m ²					
Usable Floor Area:		679.696 m ²					
Total External Wall Area (including windows):		6095.68 m ²					
Total Window Area:		1952.07 m ²					
Total Skylight Area:		/ m ²					
**Weighted Average U-value	Opaque Wall	1.870 W m ²					
	Window	5.28 W m ²					
	Opaque Roof	1.483 W m ²					
	Skylight	/ W m ²					
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	
		<input checked="" type="checkbox"/> Clear	Area= 1952.07 m ²	SC= 0.92	VLT= 87.52 %	ER= 8 %	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	External Shading	Overhang	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
		Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Skylight NIL	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					
		<input type="checkbox"/> Yes <input type="checkbox"/> No					
**Weighted Average Absorptivity	Wall	0.3					
	Roof	0.58					
**Weighted Average Density	Wall	596.7 kg/m ²					
	Roof	563.95 kg/m ²					
OTTV _{RRF}	Wall	50.62 W m ²					
	Roof	9.40 W m ²					
	Overall Average	42.82 W m ²					

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Notes:
 ER = External Reflectance
 SC = Shading Coefficient
 VLT = Visible Light Transmittance
 ** Weighted by area
 Window and skylight data should represent the major proportion of its use in the development.