(PNAP APP-156)

RTTV Summary Sheet-T1

Address :	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	 1. Registered Professional Engineers (Building Services/Mechanical) 		
And was a commenced the second of	☐ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	26		

Table 1

		Deeme	d to Satisfy RT	TVwall				
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

ble 2																_	
								TTVwal	<u> </u>	,							
Façade Orient Facing	ation		North	East			Ea	st			South	East			Sou	ith	
Wall Orientati	on Factor	1	0.9	24			1.0	72			1.0	51	*	0.975			
Total External (Residential U		5	88.9 m²	Windo Ratio	w to Wall	19	9.68 m²	Windo Ratio	ow to Wall	136	7.42 m²	Winda Ratio	ow to Wall	96	9.15 m²	Wind Wall	
Total Window	Area	2	0.02 m²	=0.03	į.	0 m²		=0		57	8.51 m²	=0.42	2	51	3.37 m²	=0.53	
Heat Conduction	Opaque Wall		7.44 \	V/m²		7.55 W/m²				3.98 W/m²			3.47 W/m				
Window 0.04 W/m²		0 W/m²			0.5 W/m²			0.58 W/m²									
Window	Glass Type	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%
	Nos	☑ Tinted	Area= 20.02 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area=	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 578.51 m ²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 513.37 m ²	SC =0.45	VLT=52% ER=19%
		□ Clear	Area= m²	SC=	VLT=% ER=%	Clear	Area= m²	SC=	VLT=% ER=%	Clear	Area= m²	SC=	VLT=% ER=%	□ Clear	Area= m²	SC=	VLT=% ER=%
		□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area= m²	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No		☑ Yes		No
	External Shading	Overh Sidefi			□ No No	Overh Sidefii		1,500	☑ No No	Overh			□ No No	Overh		Yes	□ No No
Solar Radiatio	on through		0.48	N/m²			0 W	/m²			5.0	W/m²			6.39	W/m²	
Average Abso	rptivity		0.78				0.	52			0.	54			0.	58	
RTTVwall at ea	ich façade		7.95	N/m²			7.55	N/m²			10.76	W/m²			10.45	W/m²	
Overall RTTV	wall								9.92	W/m²							

Table 3

			RTTVRoof								
Roof Orientat	ion Facing			2.16							
Total Roof Are	ea (Residential Units)	159.91 m²									
Total Skylight	Area	0 m ²									
Heat	Roof	3.03 W/m²									
Conduction	Skylight			0W/m²	7						
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %					
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %					
	External Shading	□ Clear	Area= m²	SC=	VLT= %	ER= %					
	Double Glazing			☐ Yes ☑ No							
	External Shading			☐ Yes ☑ No							
Solar Radiation through Glazing				0 W/m²							
Average Absorptivity (roof)				0.7		7.5					
Overall RTTV	Roof	3.03 W/m²									

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

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

Address :	West Rail Long Ping (South) Station Property Development at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD Ref. No. BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	☑ 1. Registered Professional Engineers (Building Services/Mechanical)		
GHAVITO SI TONNO SERVICIO SERVICIO ACTIVI	□ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	26		

Table 1

		Deeme	d to Satisfy R	TTVwall				
Faacde Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing					**			
Average Shading Corfficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

ble 2																	
							F	RTTVwa	1								
Façade Orient Facing	ation		South	West			w	est			North	West			No	rth	
Wall Orientat	on Factor		1.0	92			1.3	L31			0.9	965			- 222 - 1		
Total External (Residential U		115	6.35 m²	Wind Ratio	ow to Wall	1	59.9 m²	Wind Ratio	ow to Wall	61	8.54 m²	Wind: Ratio	ow to Wall		- m²	Wind	dow to Ratio
Total Window	Area	48	5.59 m²	=0.4	2		0 m²	=0		4	0.04 m ²	=0.06	5		- m²	=	
Heat Conduction	Opaque Wall		4.6 \	V/m²			7.28	W/m²			6.65	W/m²			- W	/m²	
	Window		0.52	W/m²			0 W	//m²			0.07	W/m²			- W	/m²	
Window	Glass Type	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%
	220	☑ Tinted	Area= 485.59 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 0 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 40.04 m²	SC =0.45	VLT=52% ER=19%	□ Clear	Area=	SC =	VLT=% ER=%
		□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area= m²	SC=	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
		□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No	}	□ Yes		No
	External Shading	Overh Sidefi	-	Yes 🗆	□ No No	Overh		Yes es ☑	☑ No No	Overh		13135	□ No No	Overh	-	Yes es C	□ No I No
Solar Radiation	on through		6.46	W/m²			0 V	V/m²			0.71	W/m²			- W	//m²	
Average Abso	rptivity		0.59)			0	.57			0	.71				-	
RTTVwall at ea	ich façade		11.58	₩/m²			7.28	W/m²			7.43	W/m²			- W	//m²	
Overall RTTV	wall	2000							9.92	W/m²	751=======						

Table 3

			RTTVRoof							
Roof Orientat	ion Facing									
Total Roof Are	ea (Residential Units)	m²								
Total Skylight	Area			m²						
Heat	Roof			W/m²						
Conduction	Skylight			W/m²						
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %				
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %				
	External Shading	□ Clear	Area= m²	SC=	VLT= %	ER= %				
	Double Glazing			☐ Yes ☐ No						
	External Shading			☐ Yes ☐ No						
Solar Radiation through Glazing		W/m²								
Average Abso	orptivity (roof)									
Overall RTTV	Roof			W/m²						

 ${\sf ER} \; = \; {\sf External} \; {\sf Reflectance}; {\sf SC} \; = \; {\sf Shading} \; {\sf coefficient} \; \& \; {\sf VLT} \; = \; {\sf Visible} \; {\sf Light} \; {\sf Transmittance}$

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

Address :	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
or water and the ball	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	☑ 1. Registered Professional Engineers (Building Services/Mechanical)		
MANAGE OF STANSANDS AND STANSANDS AND STANSANDS	☐ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	26		

Table 1

		Deer	ned to Satisfy	RTTVwall				
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

ble 2							D	TTVwal									
Façade Orient	ation		Nor	th			North				Ratio						
Wall Orientat	on Factor		0.7	9			0.9	24			1.0	72			1.0	51	
Total Externa (Residential U		15	87.3 m²	Windo Ratio	w to Wall	18	0.34 m²	Windo	w to Wall	214	4.22 m²			39	0.00 m²		
Total Window	Area		0 m²	=0		9	4.99 m²	=0.53		112	6.98 m²	=0.53	3	20.02		=0.0	5
Heat Conduction	Opaque Wall		6.39 V	V/m²			3.08 \	V/m²			3.87 \	N/m²			6.13 \	N/m²	
	Window		0 W,	m²		0.55 W/m²					0.63 \	N/m²			0.06 \	N/m²	
Window	Glass Type	Reflective	Area= m²	SC=	VLT=% ER=%	□ Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=			1.01	SC=	
	XIX	☑ Tinted	Area=	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 94.99 m³	SC =0.45	VLT=52% ER=19%	☑ Tinted		1323				7257	
		□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	- S		10 to		(8)	SC=	0.725
		□ Clear	Area= m²	SC=	VLT=% ER=%	□ Clear	Area= m1	SC=	VLT=% ER=%	□ Clear	(W.E.E.)	7.7	0 7 N NO	7	Tribate	SC=	
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No		☑ Yes		No
	External Shading	Overh			☑ No No	Overh Sidefir			□ No No	Overh							
Solar Radiation	on through		o w	/m²			7.90	W/m²			8.41	W/m²			0.79	W/m²	
Average Abso	orptivity		0.74				0.	53		-	0.	60			0.	58	
RTTVwall at ea	-1848 10 MW 155		6.39 \	N/m²			11.52	W/m²		12.91 W/m²				6.98 W/m²			
Overall RTTV	wall								10.80	0 W/m²							

Table 3

			RTTVRoof									
Roof Orientat	ion Facing			2.16								
Total Roof Are	ea (Residential Units)	293.22 m²										
Total Skylight	Area			0 m²								
Heat	Roof	3.03 W/m²										
Conduction	Skylight		0 W/m²									
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %						
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %						
	External Shading	☐ Clear	Area= m²	SC=	VLT= %	ER= %						
	Double Glazing			☐ Yes ☑ No								
	External Shading			☐ Yes ☑ No								
Solar Radiation through Glazing		0 W/m²										
Average Abso	orptivity (roof)	0.7										
Overall RTTV	Roof		3.03 W/m ²									

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

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

Address :	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
WOOD 1201, 102 102 102 102 102 102 102 102 102 102	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	☑ 1. Registered Professional Engineers (Building Services/Mechanical)		
	□ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	26		

Table 1

		Deeme	d to Satisfy R	TTVwall				
Faacde Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio	and the same of th							
Shading Coefficient of Glazing								
Average Shading Corfficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

able 2																	
						92	F	RTTVwa	0								
Façade Orient Facing	Section Factor 1.097	South West				West				North West							
Wall Orientat	on Factor		0.9	975		i	1.0	92			1.3	131					
Total External (Residential U		145	3.53 m²	550000		32	9.55 m²	100000000000000000000000000000000000000		307	3.20 m ²				- m²	6/8/35	
Total Window	Area	20	7.52 m²	=0.1	4	9	9.80 m²	=0.3		136	9.67 m²	=0.4	5		- m²	=	
Heat Conduction	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6.34	W/m²	M. P. Care.		5.54	W/m²			5.24	W/m²			- W	/m²	
Total Window Area 207.52 m² =0.14 99.80 m² =0.3 1369.67 m² =0.45		- W/m²															
Window		77000 000	12117171-12 ₁₀₀₀	SC=	0.70000	77 San Lav	TOTAL COLUMN	SC=	100000000000000000000000000000000000000	T-1	100 TO TO SO TO SO	SC≃	100 CO	- T	100.000.000	SC=	0.79000
		☑ Tinted										1					
		□ Clear	THE PARTY.	(B) (T)	(UT) - 11	Williams.		(B) (P)			SECTION STATE	2.7		57.	DESTRUCTION OF THE PARTY OF THE	SC=	
		1	55		1000				100000000000000000000000000000000000000	_				_		SC=	327 25
			☑ Yes		No		☑ Yes		No		☑ Yes		No		□ Yes		No
		-	- 0			_								_		-	
Solar Radiation	n through		1.51	W/m²			5.93	W/m²			7.45	W/m²			- W	//m²	
Average Abso	rptivity		0.67	,			0	.55			0	.66				-	
RTTVwall at ea	ich façade		8.01	W/m²			11.85	W/m²		13.26 W/m²					- W	//m²	
Overall RTTV	wall								10.8	0 W/m²							

Table 3

			RTTVRoof									
Roof Orientat	ion Facing											
Total Roof Are	ea (Residential Units)		m²									
Total Skylight	Area	m²										
Heat	Roof	W/m²										
Conduction	Skylight			W/m²								
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %						
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %						
	External Shading	□ Clear	Area= m²	SC=	VLT= %	ER= %						
	Double Glazing			☐ Yes ☐ No								
	External Shading			☐ Yes ☐ No								
Solar Radiatio	on through Glazing			W/m²								
Average Abso	orptivity (roof)											
Overall RTTV	Roof			W/m²								

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

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

Address :	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
ATTACAMA ATTACAMA	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	 1. Registered Professional Engineers (Building Services/Mechanical) 		
U. 1. 100000 000	☐ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys	26		
(Residential Units)			

Table 1

		Dee	med to Satisfy	RTTVwall				
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio	10000000000							
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

ible 2																	
Façade Orient	ation		North	West				RTTVwa orth			North	East			Ea	st	
Wall Orientati	on Factor		0.9	65	-		0	79	-	-	0.9	24		1.072			-
Total External	Wall Area	145	6.65 m²		w to Wall	26	5.20 m²		ow to Wall	315	5.10 m²		ow to Wall	21	6.45 m²	Wind	
Total Window	Area		0 m²	=0		0 m² =0			142	.8.82 m²	=0.45	5		0 m²	=0		
Heat Conduction	Opaque Wall		6.62 V	V/m²			5.6	W/m²			4.02 \	N/m²			5.52	N/m²	
	Window		0 W,	/m²			0 V	//m²			0.47	N/m²				/m²	
Window	Glass Type	Reflective	Area= m²	SC=	VLT=% ER=%	□ Reflective	Area= m ²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	□ Reflective	Area= m²	SC=	VLT=% ER=%
		☑ Tinted	Area= 0m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= Om ²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 1428.82m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area=	SC =0.45	VLT=52% ER=19%
		□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%	Clear	Area=	sc =	VLT=% ER=%	Clear	Area=	SC=	VLT=% ER=%
		□ Clear	Area=	SC=	VLT=% ER=%	Clear	Area=	SC=	VLT=% ER=%	Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No		☑ Yes		No
	External Shading	Overh Sidefir			☑ No No	Overh Sidefii			☑ No No	Overh Sidefi		0.000.00	□ No No	Overh			☑ No No
Solar Radiation	n through		0 W	/m²			01	V/m²			5.99	W/m²			o w	//m²	
Average Abso	rptivity	1	0.62				(.63			0.	63			0.	41	
RTTVwall at ea			6.62	N/m²			5.6	W/m²		10.48 W/m²					5.52	W/m²	
Overall RTTV	vall								9.86	W/m²							

Table 3

			RTTVRoof								
Roof Orientat	ion Facing			2.16							
Total Roof Are	ea (Residential Units)	282.28 m²									
Total Skylight	Area	0 m²									
Heat	Roof		3.03 W/m²								
Conduction	Skylight			0W/m²							
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %					
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %					
	External Shading	□ Clear	Area= m²	SC=	VLT= %	ER= %					
	Double Glazing			☐ Yes ☑ No							
	External Shading			☐ Yes ☑ No							
Solar Radiation through Glazing				0 W/m²							
Average Absorptivity (roof)				0.7							
Overall RTTV	Roof	3.03 W/m²									

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

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

Address :	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
N. Elektromiczne	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	 1. Registered Professional Engineers (Building Services/Mechanical) 		
Ti di	□ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	26		

Table 1

		Deeme	ed to Satisfy R	TTVwall				
Faacde Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Corfficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

ble 2						-	-	RTTVwa				_				_	
Façade Orient Facing	ation		South	East				uth			South	West			W	est	
Wall Orientat	on Factor		1.0	51			0.9	975			1.092			1.131			
Total External (Residential U	1.75	173	8.31 m²	Winde Ratio	ow to Wall	31	3.95 m²	Wind Ratio	ow to Wall	234	5.85 m²	Wind Ratio	ow to Wall	5	77.2 m²	Wind	low to Ratio
Total Window	Area	38	2.51 m²	=0.22	2	2	0.02 m ²	=0.0	5	77	1.69 m²	=0.3	3	30	0.32 m²	=0.5	2
Heat Conduction	Opaque Wall		6.55	W/m²			5.38	W/m²			5.36	W/m²			4.08	W/m²	
	Window	0.26 W/m²				0.07	W/m²			0.4 W/m²				0.66 W/m²			
Window	Glass Type	□ Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%
		☑ Tinted	Area= 382.51 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 20.02 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 771.69 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 300.32 m²	SC =0.45	VLT=52% ER=19%
		□ Clear	Area= m²	SC =	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
		□ Clear	Area= m²	SC =	VLT=% ER=%	□ Clear	Area= m²	SC =	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	Clear	Area=	SC=	VLT=% ER=%
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No		☑ Yes		No
	External Shading	Overh Sidefir			□ No No	Overh Sidefir		Yes 🗆	□ No No	Overh		77,700,00	□ No No	Overh Sidefii	-	Yes es \Box	□ No No
Solar Radiation	n through		3.12	W/m²			0.86	W/m²			5.29	W/m²			10.36	W/m³	
Average Abso	orptivity		0.7				0	.53			0	.59			0.	.59	
RTTVwall at ea	ich façade		9.94	W/m²			6.31	W/m²		11.06 W/m²				15.11 W/m²			ı
Overall RTTV	wall								9.86	W/m²		etelok			_		

Table 3

		V	RTTVRoof								
Roof Orientat	ion Facing										
Total Roof Are	ea (Residential Units)	m²									
Total Skylight	Area	m²									
Heat	Roof		W/m²								
Conduction	Skylight			W/m²							
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %					
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %					
	External Shading	☐ Clear	Area= m²	SC=	VLT= %	ER= %					
	Double Glazing			☐ Yes ☐ No							
	External Shading			☐ Yes ☐ No							
Solar Radiation through Glazing		W/m²									
Average Absorptivity (roof)											
Overall RTTV	Roof	W/m²									

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

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

Address :	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
The South Mark States St.	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	☑ 1. Registered Professional Engineers (Building Services/Mechanical)		
- 6%	☐ 2. Architect		
	☐ 3. Others, please specify:		
No. of Storeys	16		
(Residential Units)			

Table 1

		Deeme	d to Satisfy	RTTVwall				
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

able 2																	
								RTTVwa	1								
Façade Orient Facing	ation		North	East			E	est			South	East			Sou	uth	
Wall Orientati	on Factor		0.9	24			1.0	72			1.0	51			0.9	75	
Total External (Residential U	364,700	59	9.18 m²	Windo	w to Wall	14	1.60 m²	Winds Ratio	ow to Wall	107	0.16 m²	Wind Ratio	ow to Wall	23	8.80 m²	Wind	
Total Window	Area	2	4.64 m²	=0.04			0 m²	=0		47	8.63 m²	=0.45	5	12	7.70 m²	=0.5	3
Heat Conduction	Opaque Wall		7.29 V	V/m²			6.92	W/m²			4.37	N/m²			3.30	N/m²	
	Window		0.04 V	V/m²			0 W	//m²	100		0.53	W/m²			0.59	W/m²	
Window	Glass Type	□ Reflective	Area= m²	SC=	VLT=% ER=%	□ Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%
	170 200 200	☑ Tinted	Area= 24.64m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= Om1	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 478.63m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 127.70m²	SC =0.45	VLT=52% ER=19%
		Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%	Clear	Area=	sc =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
		□ Clear	Area= m³	SC=	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No		☑ Yes		No
	External Shading	Overh Sidefin			□ No No	Overh Sidefir			☑ No No	Overh Sidefi		Yes	□ No No	Overh		Yes	□ No No
Solar Radiatio	n through		0.58 \	N/m²			0 V	//m²			6.71	W/m²			6.34	W/m²	
Average Abso	rptivity	1	0.73				0	.55		-	0.	61			0.	55	
RTTVwall at ea			7.91 \	N/m²			6.92	W/m²			11.61	W/m²	8		10.23	W/m²	
Overall RTTV	vall								9.98	W/m²							

Table 3

			RTTVRoof							
Roof Orientation Facing		2.16								
Total Roof Are	ea (Residential Units)			157.46 m²						
Total Skylight	Area			0 m²						
Heat	Roof			3.03 W/m ²						
Conduction	Skylight		0W/m²							
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %				
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %				
	External Shading	□ Clear	Area= m²	SC=	VLT= %	ER= %				
	Double Glazing			☐ Yes ☑ No						
	External Shading			☐ Yes ☑ No						
Solar Radiatio	on through Glazing			0 W/m²						
Average Absorptivity (roof)				0.7						
Overall RTTVRoof				3.03 W/m ²						

 ${\sf ER} \ = \ {\sf External} \ {\sf Reflectance}; {\sf SC} \ = \ {\sf Shading} \ {\sf coefficient} \ \& \ {\sf VLT} \ = \ {\sf Visible} \ {\sf Light} \ {\sf Transmittance}$

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

Address:	West Rail Long Ping (South) Station Property Development	BD Ref. No.	
ATTACAMENT CONTINUES	at Yuen Long Town Lot no. 512, Yuen Long N.T.	BD 2/7803/11	
Building Type :	Residential Tower		
RTTV calculated by	 1. Registered Professional Engineers (Building Services/Mechanical) 		
11.235-239	□ 2. Architect		
	☐ 3. Others, please specify:		76-71
No. of Storeys (Residential Units)	16		

Table 1

		Deeme	d to Satisfy RTT	Vwall				
Faacde Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Corfficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

						25	F	TTVwa	İ								
Façade Orient Facing	ation		South	West			W	est			North	West			No	rth	
Wall Orientat	on Factor		1.0	92			1.1	.31			0.9	965					
Total External (Residential U		90	3.60 m²	Wind Ratio	ow to Wall	7	4.40 m²	Wind Ratio	ow to Wall	54	7.20 m²	Wind	ow to Wall		- m²	Wind	dow to
Total Window	Area	34	8.66 m²	=0.39	9		0 m²	=0		3	2.56 m²	=0.0	5		- m²	=	
Heat Conduction	Opaque Wall		4.35	W/m²			7.04	W/m²			7.91	W/m²			- W	/m²	
	Window		0.47	W/m²	70		0 W	/m²	.,		0.06	W/m²			- W	/m²	
Window	Glass Type	Reflective	Area= m²	SC=	VLT=% ER=%	□ Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%	Reflective	Area= m²	SC=	VLT=% ER=%
		☑ Tinted	Area= 348.66 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 0 m²	SC =0.45	VLT=52% ER=19%	☑ Tinted	Area= 32.56 m²	SC =0.45	VLT=52% ER=19%	□ Clear	Area=	SC =	VLT=% ER=%
		□ Clear	Area= m²	SC =	VLT=% ER=%	□ Clear	Area= m²	SC =	VLT=% ER=%	Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
		□ Clear	Area= m²	sc =	VLT=% ER=%	□ Clear	Area= m²	SC =	VLT=% ER=%	□ Clear	Area=	SC =	VLT=% ER=%	□ Clear	Area=	SC=	VLT=% ER=%
	Double Glazing		☑ Yes		No		☑ Yes		No		☑ Yes		No	1	□ Yes		No
	External Shading	Overh Sidefir			□ No No	Overh			☑ No No	Overh Sidefir		Yes	□ No No	Overh Sidefir		Yes es D	□ No No
Solar Radiatio Glazing	n through		6.02	W/m²			0 W	//m²			0.74	W/m²			- W	/m²	
Average Abso	rptivity		0.55				0.	55			0	.78				-	
RTTVwall at ea	ich façade		10.84	W/m²			7.04	W/m²			8.71	W/m²			- W	/m²	
Overall RTTV	vall								9.98	W/m²							

Table 3

			RTTVRoof							
Roof Orientat	ion Facing									
Total Roof Are	ea (Residential Units)	m²								
Total Skylight	Area			rm²						
Heat	Roof			W/m²						
Conduction	Skylight	W/m²								
Skylight	Glass Type	☐ Reflective	Area= m²	SC=	VLT= %	ER= %				
	Double Glazing	☐ Tinted	Area= m²	SC=	VLT= %	ER= %				
	External Shading	□ Clear	Area= m²	SC=	VLT= %	ER= %				
	Double Glazing			☐ Yes ☐ No						
	External Shading			☐ Yes ☐ No						
Solar Radiatio	n through Glazing			W/m²						
Average Abso	rptivity (roof)									
Overall RTTV	toof			W/m²						

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

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