

182-3

RTTV Summary Sheet

Appendix A
(PNAP APP-156)

Address: 88 Fuk Chak Street 88 Tai Kok Tsui, Kowloon on K.I.L. 11259 <i>S.A. & R.P.</i>		BD Ref. No. BD 2 / 4032 / 14
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	25	

Table 1

Facade Orientation Facing	Deemed to Satisfy RTTV _{wall}			
	East	North	West	South
Average Absorptivity	0.47	0.34	0.32	0.34
Average Window to Wall Ratio	0.02	0.55	0.57	0.57
Shading Coefficient of Glazing	0.66	0.43 & 0.66	0.43	0.43 & 0.66
Average Shading Coefficient of Facade	0.43	0.47	0.43	0.47
Visible Light Transmittance	66%	66%	66%	66%
External Reflectance	19%	19%	20%	19%

Table 2

Facade Orientation	RTTV _{wall}			
	East	North	West	South
Wall Orientation Factor	1.072	0.79	1.131	0.975
Total External Wall	939.78 m ²	Window to Wall Ratio 0.21 m ²	Window to Wall Ratio 0.51 m ²	Window to Wall Ratio 0.70 m ²
Total Window Area	17.26 m ²	0.02 m ²	0.55 m ²	0.57 m ²
Heat Conduction	Opaque Wall Window Window to Wall Ratio = 0.02 W/m ²	1.45 W/m ²	2.91 W/m ²	1.67 W/m ²
Window	Window	0.02 W/m ²	0.76 W/m ²	1.18 W/m ²
	Reflective	Area= m ² SC= VLT= % ER= %	Area= m ² SC= VLT= % ER= %	Area= m ² SC= VLT= % ER= %
	Tinted	Area= 17.76 m ² SC= VLT= % ER= %	Area= 586 m ² SC=0.47 VLT=66% ER=30%	Area= 803 m ² SC=0.43 VLT=66% ER=31%
	Clear	Area= m ² SC= VLT= % ER= %	Area= m ² SC= VLT= % ER= %	Area= m ² SC= VLT= % ER= %
Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No			
External Shading	Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No	Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No	Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No	Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No
Solar Radiation through Gazing	0.34 W/m ²	8.85 W/m ²	14.22 W/m ²	7.94 W/m ²
Average Absorptivity	0.47	0.34	0.32	0.34
RTTV _{wall} at each facade	1.34 W/m ²	2.70 W/m ²	5.45 W/m ²	2.61 W/m ²
Overall RTTV _{wall}	12.1 <i>14</i> W/m ²			

Table 3

Roof Orientation Factor		RTTV _{Roof}				
Total Roof Area		2.16				
Total Skylight Area		137.50 W/m ²				
Heat Conduction		3.22 W/m ²				
Skylight	Glass Type	Reflective	Area= m ²	SC=	VLT= %	ER= %
		Tinted	Area= m ²	SC=	VLT= %	ER= %
		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		W/m ²				
Average		W/m ²				
Overall		3.22 W/m ²				

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)

[Signature]
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Authorized Person
Registered Architect (HK)