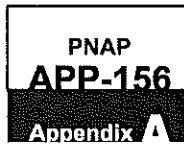




RTTV Summary Sheet

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: Proposed Residential Development at To Shek Street, Sha Tin, N.T. (Tower 1)		BD Ref. No. 2/9183/16
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)	19 (6/F-27/F)	

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 (Please refer to the supplementary sheet for other orientations of the development i.e. South-west, West and North-west)

RTTV _{Wall}																	
Facade Orientation Facing		North				North-east				East				South-east			
Wall Orientation Factor		0.79				0.924				1.072				1.051			
Total External Wall Area (Residential Units)		438 m ²		Window to Wall Ratio = 0.27		779 m ²		Window to Wall Ratio = 0.69		1525 m ²		Window to Wall Ratio = 0.65		344 m ²		Window to Wall Ratio = 0.45	
Total Window Factor		118 m ²				534 m ²				988 m ²				156 m ²			
Heat Conduction	Opaque Wall	5.24 W/m ²				2.84 W/m ²				3.97 W/m ²				6.24 W/m ²			
	Window	0.23 W/m ²				0.67 W/m ²				0.74 W/m ²				0.50 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	Area= 118 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 534 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 988 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	
	Double Glazing	<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			
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			
	Sidelfin	<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			
Solar Radiation through Glazing		2.93 W/m ²				8.19 W/m ²				9.57 W/m ²				6.55 W/m ²			
Average Absorptivity		1.0				1.0				1.0				1.0			
RTTV _{Wall} at each facade		8.39 W/m ²				11.70 W/m ²				14.27 W/m ²				13.29 W/m ²			
Overall RTTV _{Wall}		12.750 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		494.90 m ²									
Total Skylight Area		0 m ²									
Heat Conduction	Roof	2.26 W/m ²									
	Skylight	0 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 checked="" type="checkbox"/> No									
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Solar Radiation through Glazing		0 W/m ²									
Average Absorptivity (roof)		1.0									
Overall RTTV _{Roof}		2.26 W/m ²									

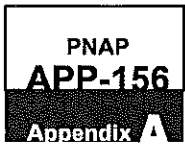
Table 2 (supplementary sheet for other orientations of the development i.e. South-west, West and North-west)

RTTV _{Wall}																					
Facade Orientation Facing		South-west					West				North-west				South						
Wall Orientation Factor		1.092					1.131				0.965				0.975						
Total External Wall Area (Residential Units)		1599 m ²		Window to Wall Ratio = 0.56			249 m ²		Window to Wall Ratio = 0.38		936 m ²		Window to Wall Ratio = 0.21		409 m ²		Window to Wall Ratio = 0.30				
Total Window Factor		891 m ²					94 m ²				194 m ²				122 m ²						
Heat Conduction	Opaque Wall	5.59 W/m ²					8.34 W/m ²				7.77 W/m ²				8.22 W/m ²						
	Window	0.65 W/m ²					0.45 W/m ²				0.21 W/m ²				0.31 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	Area= 891 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 94 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 194 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 122 m ²	SC= 0.33	VLT= 51 %	ER= 14 %
	Double Glazing	<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						
	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 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					
Solar Radiation through Glazing		7.86 W/m ²					5.87 W/m ²				2.6 W/m ²				3.29 W/m ²						
Average Absorptivity		1.0					1.0				1.0				1.0						
RTTV _{Wall} at each facade		14.10 W/m ²					14.67 W/m ²				10.59 W/m ²				11.82 W/m ²						
Overall RTTV _{Wall}		12.750 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.



Address: Proposed Residential Development at To Shek Street, Sha Tin, N.T. (Tower 2)		BD Ref. No. 2/9183/16
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)	19 (6/F-27/F)	

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		North				East				West				South			
Wall Orientation Factor		0.79				1.072				1.131				0.975			
Total External Wall Area (Residential Units)		1515 m ²		Window to Wall Ratio = 0.70		888 m ²		Window to Wall Ratio = 0.20		657 m ²		Window to Wall Ratio = 0.21		1800 m ²		Window to Wall Ratio = 0.62	
Total Window Factor		1057 m ²				175 m ²				135 m ²				1124 m ²			
Heat Conduction	Opaque Wall	2.31 W/m ²				10.46 W/m ²				8.62 W/m ²				4.09 W/m ²			
	Window	0.59 W/m ²				0.22 W/m ²				0.25 W/m ²				0.64 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	Area= 1057 m ²	SC= 0.33	VLT= 51 % ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 175 m ²	SC= 0.33	VLT= 51 % ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 135 m ²	SC= 0.33	VLT= 51 % ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 1124 m ²	SC= 0.33	VLT= 51 % ER= 14 %
	Double Glazing	<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			
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 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			
Solar Radiation through Glazing		7.59 W/m ²				2.91 W/m ²				3.21 W/m ²				7.04 W/m ²			
Average Absorptivity		1.0				1.0				1.0				1.0			
RTTV _{Wall} at each facade		10.49 W/m ²				13.60 W/m ²				12.28 W/m ²				11.77 W/m ²			
Overall RTTV _{Wall}		11.775 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		382 m ²									
Total Skylight Area		0 m ²									
Heat Conduction	Roof	2.44 W/m ²									
	Skylight	0 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 checked="" type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Solar Radiation through Glazing		0 W/m ²									
Average Absorptivity (roof)		1.0									
Overall RTTV _{Roof}		2.44 W/m ²									

Address: Proposed Residential Development at To Shek Street, Sha Tin, N.T. (Tower 3)		BD Ref. No. 2/9183/16
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)	19 (6/F-27/F)	

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	North-east					South-east				South-west				North-west				
Wall Orientation Factor	0.924					1.051				1.092				0.965				
Total External Wall Area (Residential Units)	774 m ²		Window to Wall Ratio = 0.19			1932 m ²		Window to Wall Ratio = 0.44		874 m ²		Window to Wall Ratio = 0.26		1564 m ²		Window to Wall Ratio = 0.70		
Total Window Factor	150 m ²					844 m ²				229 m ²				1091 m ²				
Heat Conduction	Opaque Wall 8.26 W/m ²					7.00 W/m ²				9.24 W/m ²				3.01 W/m ²				
	Window 0.19 W/m ²					0.48 W/m ²				0.30 W/m ²				0.71 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	Area= 150 m ²	SC= 0.33	VLT= 51 % ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 844 m ²	SC= 0.33	VLT= 51 % ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 229 m ²	SC= 0.33	VLT= 51 % ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 1091 m ²	SC= 0.33	VLT= 51 % ER= 14 %	
	Double Glazing	<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			
	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 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		
Solar Radiation through Glazing	2.47 W/m ²					4.72 W/m ²				3.95 W/m ²				9.27 W/m ²				
Average Absorptivity	1.0					1.0				1.0				1.0				
RTTV _{Wall} at each facade	10.92 W/m ²					12.20 W/m ²				13.49 W/m ²				12.99 W/m ²				
Overall RTTV _{Wall}	12.467 W/m ²																	

Table 3

RTTV _{Roof}											
Roof Orientation Factor	2.16										
Total Roof Area (Residential Units)	420 m ²										
Total Skylight Area	0 m ²										
Heat Conduction	Roof	2.45 W/m ²									
	Skylight	0 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 checked="" type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Solar Radiation through Glazing	0 W/m ²										
Average Absorptivity (roof)	1.0										
Overall RTTV _{Roof}	2.45 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.

PNAP
APP-156
 Appendix A

Address: Proposed Residential Development at To Shek Street, Sha Tin, N.T. (Tower 5)		BD Ref. No. 2/9183/16
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)	19 (6/F-27/F)	

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		North				East				West				South							
Wall Orientation Factor		0.79				1.072				1.131				0.975							
Total External Wall Area (Residential Units)		784 m ²		Window to Wall Ratio = 0.18		2079 m ²		Window to Wall Ratio = 0.54		1084 m ²		Window to Wall Ratio = 0.66		712 m ²		Window to Wall Ratio = 0.05					
Total Window Factor		138 m ²				1132 m ²				715 m ²				38 m ²							
Heat Conduction	Opaque Wall	8.01 W/m ²				5.63 W/m ²				4.07 W/m ²				10.32 W/m ²							
	Window	0.15 W/m ²				0.65 W/m ²				0.79 W/m ²				0.05 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	Area= 138 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 1132 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 715 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 38 m ²	SC= 0.33	VLT= 51 %	ER= 14 %
Double Glazing		<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							
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		1.92 W/m ²				7.35 W/m ²				10.28 W/m ²				0.58 W/m ²							
Average Absorptivity		1.0				1.0				1.0				1.0							
RTTV _{Wall} at each facade		10.08 W/m ²				13.64 W/m ²				15.14 W/m ²				10.96 W/m ²							
Overall RTTV _{Wall}		12.977 W/m ²																			

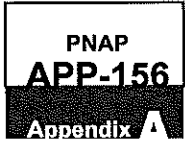
Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		369 m ²									
Total Skylight Area		0 m ²									
Heat Conduction	Roof	2.44 W/m ²									
	Skylight	0 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 checked="" type="checkbox"/> No				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0 W/m ²									
Average Absorptivity (roof)		1.0									
Overall RTTV _{Roof}		2.44 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.



Address: Proposed Residential Development at To Shek Street, Sha Tin, N.T. (Tower 6)		BD Ref. No. 2/9183/16
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)	19 (6/F-27/F)	

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		North				East				South				West					
Wall Orientation Factor		0.79				1.072				0.975				1.092					
Total External Wall Area (Residential Units)		1088 m ²		Window to Wall Ratio = 0.11		1784 m ²		Window to Wall Ratio = 0.80		2025 m ²		Window to Wall Ratio = 0.56		1442 m ²		Window to Wall Ratio = 0.54			
Total Window Factor		120 m ²				1067 m ²				1129 m ²				781 m ²					
Heat Conduction	Opaque Wall	8.57 W/m ²				3.94 W/m ²				4.91 W/m ²				4.79 W/m ²					
	Window	0.09 W/m ²				0.67 W/m ²				0.53 W/m ²				0.65 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	Area= 120 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 1067 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 1129 m ²	SC= 0.33	VLT= 51 %	ER= 14 %	<input checked="" type="checkbox"/> Clear	Area= 781 m ²	SC= 0.33
Double Glazing		<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					
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			
		Sidelin		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sidelin		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sidelin		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sidelin		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Solar Radiation through Glazing		1.20 W/m ²				8.33 W/m ²				6.31 W/m ²				7.77 W/m ²					
Average Absorptivity		1.0				1.0				1.0				1.0					
RTTV _{Wall} at each facade		9.86 W/m ²				12.94 W/m ²				11.75 W/m ²				13.21 W/m ²					
Overall RTTV _{Wall}		12.092 W/m ²																	

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		498 m ²									
Total Skylight Area		0 m ²									
Heat Conduction	Roof	2.26 W/m ²									
	Skylight	0 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 checked="" type="checkbox"/> No									
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Solar Radiation through Glazing		0 W/m ²									
Average Absorptivity (roof)		1.0									
Overall RTTV _{Roof}		2.26 W/m ²									