



# 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:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay,	BD Ref. No.
Building Type:	Area 48, Tuen Mun, New Territories (House H1)	
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		90.0 m <sup>2</sup>		Window to Wall Ratio = 0.83		233.56 m <sup>2</sup>		Window to Wall Ratio = 0.12		96.60 m <sup>2</sup>		Window to Wall Ratio = 0.72		190.55 m <sup>2</sup>		Window to Wall Ratio = 0.07	
Total Window Factor		74.86 m <sup>2</sup>				28.7 m <sup>2</sup>				69.66 m <sup>2</sup>				13.2 m <sup>2</sup>			
Heat Conduction	Opaque Wall	0.78 W/m <sup>2</sup>				4.61 W/m <sup>2</sup>				1.52 W/m <sup>2</sup>				4.49 W/m <sup>2</sup>			
	Window	0.90 W/m <sup>2</sup>				0.29 W/m <sup>2</sup>				0.93 W/m <sup>2</sup>				0.08 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 74.86 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 16.80 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 69.66 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 13.2 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input checked="" type="checkbox"/> Clear	Area= 11.90 m <sup>2</sup>	SC= 0.97	VLT= 89 % ER= 7 %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
		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		<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		<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		<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		12.87 W/m <sup>2</sup>				2.98 W/m <sup>2</sup>				10.57 W/m <sup>2</sup>				1.24 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		14.55 W/m <sup>2</sup>				7.88 W/m <sup>2</sup>				13.02 W/m <sup>2</sup>				5.80 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		9.03 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		147.5 m <sup>2</sup>									
Total Skylight Area		0.00 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		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		<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		0.00 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									



# 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: Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (House H2 to H8)		BD Ref. No.
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		83.1 m <sup>2</sup>		Window to Wall Ratio = 0.79		207.5 m <sup>2</sup>		Window to Wall Ratio = 0.15		96.45 m <sup>2</sup>		Window to Wall Ratio = 0.73		205.86 m <sup>2</sup>		Window to Wall Ratio = 0.10	
Total Window Factor		66.21 m <sup>2</sup>				30.5 m <sup>2</sup>				70.32 m <sup>2</sup>				19.50 m <sup>2</sup>			
Heat Conduction	Opaque Wall	0.94 W/m <sup>2</sup>				4.48 W/m <sup>2</sup>				1.48 W/m <sup>2</sup>				4.36 W/m <sup>2</sup>			
	Window	0.87 W/m <sup>2</sup>				0.32 W/m <sup>2</sup>				0.94 W/m <sup>2</sup>				0.11 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 66.21 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 22.28 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 70.32 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 19.50 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input checked="" type="checkbox"/> Clear	Area= 8.22 m <sup>2</sup>	SC= 0.97	VLT= 89 % ER= 7 %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
External Shading	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			
	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		12.37 W/m <sup>2</sup>				4.00 W/m <sup>2</sup>				12.70 W/m <sup>2</sup>				1.41 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		14.18 W/m <sup>2</sup>				8.80 W/m <sup>2</sup>				15.12 W/m <sup>2</sup>				5.88 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		9.57 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		157.6 m <sup>2</sup>				
Total Skylight Area		0.00 m <sup>2</sup>				
Heat Conduction	Roof	2.81 W/m <sup>2</sup>				
	Skylight	0.00 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 checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>				
Average Absorptivity (roof)		0.70				
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>				



# 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:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (House H9 to H10)	BD Ref. No.
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		89.83 m <sup>2</sup>		Window to Wall Ratio = 0.81		187.19 m <sup>2</sup>		Window to Wall Ratio = 0.15		93.45 m <sup>2</sup>		Window to Wall Ratio = 0.74		188.6 m <sup>2</sup>		Window to Wall Ratio = 0.09	
Total Window Factor		72.36 m <sup>2</sup>				27.69 m <sup>2</sup>				69.74 m <sup>2</sup>				16.80 m <sup>2</sup>			
Heat Conduction	Opaque Wall	0.90 W/m <sup>2</sup>				4.74 W/m <sup>2</sup>				1.38 W/m <sup>2</sup>				4.39 W/m <sup>2</sup>			
	Window	0.88 W/m <sup>2</sup>				0.34 W/m <sup>2</sup>				0.96 W/m <sup>2</sup>				0.10 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 72.36 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 19.82 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 69.74 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 16.80 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input checked="" type="checkbox"/> Clear	Area= 7.84 m <sup>2</sup>	SC= 0.97	VLT= 89 % ER= 7 %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
		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		<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		Overhang <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		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		12.44 W/m <sup>2</sup>				4.08 W/m <sup>2</sup>				13.11 W/m <sup>2</sup>				1.38 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		14.21 W/m <sup>2</sup>				8.89 W/m <sup>2</sup>				15.45 W/m <sup>2</sup>				5.87 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		9.82 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		149.1 m <sup>2</sup>									
Total Skylight Area		0.00 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	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 checked="" type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									



# 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:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay,	BD Ref. No.
Building Type:	Area 48 Tuen Mun, New Territories (House H11 to H12)	
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		89.83 m <sup>2</sup>		Window to Wall Ratio = 0.81		193.49 m <sup>2</sup>		Window to Wall Ratio = 0.14		93.45 m <sup>2</sup>		Window to Wall Ratio = 0.74		184.75 m <sup>2</sup>		Window to Wall Ratio = 0.09	
Total Window Factor		72.36 m <sup>2</sup>				27.69 m <sup>2</sup>				69.74 m <sup>2</sup>				16.80 m <sup>2</sup>			
Heat Conduction	Opaque Wall	0.90 W/m <sup>2</sup>				4.5 W/m <sup>2</sup>				1.38 W/m <sup>2</sup>				4.38 W/m <sup>2</sup>			
	Window	0.88 W/m <sup>2</sup>				0.33 W/m <sup>2</sup>				0.96 W/m <sup>2</sup>				0.10 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 72.36 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 19.85 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 69.74 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 16.80 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input checked="" type="checkbox"/> Clear	Area= 7.84 m <sup>2</sup>	SC= 0.97	VLT= 89 % ER= 7 %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
	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			
	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		12.44 W/m <sup>2</sup>				3.94 W/m <sup>2</sup>				13.11 W/m <sup>2</sup>				1.41 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		14.21 W/m <sup>2</sup>				8.77 W/m <sup>2</sup>				15.45 W/m <sup>2</sup>				5.89 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)		149.1 m <sup>2</sup>				
Total Skylight Area		0.00 m <sup>2</sup>				
Heat Conduction	Roof	2.81 W/m <sup>2</sup>				
	Skylight	0.00 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 checked="" type="checkbox"/> No					
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>				
Average Absorptivity (roof)		0.70				
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>				

Address:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (House H15)	BD Ref. No.
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)	4	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		115.65 m <sup>2</sup>		Window to Wall Ratio = 0.21		209.7 m <sup>2</sup>		Window to Wall Ratio = 0.00		190.55 m <sup>2</sup>		Window to Wall Ratio = 0.53		241.15 m <sup>2</sup>		Window to Wall Ratio = 0.39	
Total Window Factor		23.69 m <sup>2</sup>				0.00 m <sup>2</sup>				100.37 m <sup>2</sup>				94.85 m <sup>2</sup>			
Heat Conduction	Opaque Wall	7.87 W/m <sup>2</sup>				11.25 W/m <sup>2</sup>				5.53 W/m <sup>2</sup>				6.27 W/m <sup>2</sup>			
	Window	0.22 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				0.68 W/m <sup>2</sup>				0.45 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 23.69 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input checked="" type="checkbox"/> Reflective	Area= 100.37 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 94.85 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
		Double Glazing		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" 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		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Solar Radiation through Glazing		3.71 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				11.22 W/m <sup>2</sup>				7.34 W/m <sup>2</sup>			
Average Absorptivity		0.9				0.9				0.9				0.90			
RTTV <sub>Wall</sub> at each facade		11.80 W/m <sup>2</sup>				11.25 W/m <sup>2</sup>				17.43 W/m <sup>2</sup>				14.05 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		13.78 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		127.24 m <sup>2</sup>									
Total Skylight Area		2.78 m <sup>2</sup>									
Heat Conduction	Roof	2.75 W/m <sup>2</sup>									
	Skylight	0.04 W/m <sup>2</sup>									
Skylight	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 2.78 m <sup>2</sup>	SC= 0.42	VLT= 45 %	ER= 24 %	<input type="checkbox"/> Tinted	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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Solar Radiation through Glazing		0.81 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		3.60 W/m <sup>2</sup>									

Address:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (House H16)	BD Ref. No.
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		58.74 m <sup>2</sup>		Window to Wall Ratio = 0.48		163.48 m <sup>2</sup>		Window to Wall Ratio = 0.00		80.60 m <sup>2</sup>		Window to Wall Ratio = 0.68		18.85 m <sup>2</sup>		Window to Wall Ratio = 0.36	
Total Window Factor		28.38 m <sup>2</sup>				0.00 m <sup>2</sup>				54.93 m <sup>2</sup>				6.79 m <sup>2</sup>			
Heat Conduction	Opaque Wall	2.39 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				1.74 W/m <sup>2</sup>				3.09 W/m <sup>2</sup>			
	Window	0.53 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				0.88 W/m <sup>2</sup>				0.41 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 28.38 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input checked="" type="checkbox"/> Reflective	Area= 54.93 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 6.79 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input 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 type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Sidfin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidfin <input type="checkbox"/> Yes <input type="checkbox"/> No				Sidfin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidfin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		6.4 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				11.76 W/m <sup>2</sup>				5.48 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		9.31 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				14.37 W/m <sup>2</sup>				8.97 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		8.49 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>					
Roof Orientation Factor		2.16			
Total Roof Area (Residential Units)		110.50 m <sup>2</sup>			
Total Skylight Area		0.00 m <sup>2</sup>			
Heat Conduction	Roof	2.81 W/m <sup>2</sup>			
	Skylight	0.00 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 checked="" type="checkbox"/> No			
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>			
Average Absorptivity (roof)		0.70			
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>			



# 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: Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (House H17)		BD Ref. No.
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		57.95 m <sup>2</sup>		Window to Wall Ratio = 0.85		10.80 m <sup>2</sup>		Window to Wall Ratio = 0.00		86.90 m <sup>2</sup>		Window to Wall Ratio = 0.65		23.15 m <sup>2</sup>		Window to Wall Ratio = 0.32	
Total Window Factor		49.68 m <sup>2</sup>				0.00 m <sup>2</sup>				56.37 m <sup>2</sup>				7.38 m <sup>2</sup>			
Heat Conduction	Opaque Wall	0.66 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				1.92 W/m <sup>2</sup>				3.29 W/m <sup>2</sup>			
	Window	0.9 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				0.83 W/m <sup>2</sup>				0.36 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 49.68 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input checked="" type="checkbox"/> Reflective	Area= 56.37 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 7.38 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
		Double Glazing		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input 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 type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No					
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Solar Radiation through Glazing		13.79 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				11.10 W/m <sup>2</sup>				4.97 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		15.38 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				13.85 W/m <sup>2</sup>				8.62 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		13.15 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		115.20 m <sup>2</sup>									
Total Skylight Area		0.00 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	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 checked="" type="checkbox"/> No								
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									

Address:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (House H18)	BD Ref. No.
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)	3	

**Table 1**

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		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		40.21 m <sup>2</sup>		Window to Wall Ratio = 0.89		55.07 m <sup>2</sup>		Window to Wall Ratio = 0.00		84.5 m <sup>2</sup>		Window to Wall Ratio = 0.67		15.6 m <sup>2</sup>		Window to Wall Ratio = 0.42	
Total Window Factor		36.03 m <sup>2</sup>				0.00 m <sup>2</sup>				56.37 m <sup>2</sup>				6.64 m <sup>2</sup>			
Heat Conduction	Opaque Wall	0.48 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				1.82 W/m <sup>2</sup>				2.77 W/m <sup>2</sup>			
	Window	0.98 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				0.86 W/m <sup>2</sup>				0.48 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 36.03 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input checked="" type="checkbox"/> Reflective	Area= 56.37 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 6.64 m <sup>2</sup>	SC= 0.47	VLT= 52 % ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= % ER= %
		Double Glazing		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input 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 type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No					
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Solar Radiation through Glazing		13.73 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				11.42 W/m <sup>2</sup>				6.48 W/m <sup>2</sup>			
Average Absorptivity		0.42				0.42				0.42				0.42			
RTTV <sub>Wall</sub> at each facade		15.18 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				14.09 W/m <sup>2</sup>				9.73 W/m <sup>2</sup>			
Overall RTTV <sub>Wall</sub>		11.48 W/m <sup>2</sup>															

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		115.20 m <sup>2</sup>									
Total Skylight Area		0.00 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 W/m <sup>2</sup>									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	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 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		<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		0.00 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									





# 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:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay,	BD Ref. No.
Building Type:	Area 48, Tuen Mun, New Territories (House H19 - H23, H25)	
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)	3	

**Table 1**

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	NE				SE				SW				NW				
Wall Orientation Factor	0.924				1.051				1.092				0.965				
Total External Wall Area (Residential Units)	26.54 m <sup>2</sup>		Window to Wall Ratio = 0.77		7.5 m <sup>2</sup>		Window to Wall Ratio = 0.00		80.75 m <sup>2</sup>		Window to Wall Ratio = 0.68		15.25 m <sup>2</sup>		Window to Wall Ratio = 0.44		
Total Window Factor	20.56 m <sup>2</sup>				0.00 m <sup>2</sup>				54.93 m <sup>2</sup>				6.79 m <sup>2</sup>				
Heat Conduction	Opaque Wall	1.04 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				1.74 W/m <sup>2</sup>				2.68 W/m <sup>2</sup>			
	Window	0.84 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				0.87 W/m <sup>2</sup>				0.51 W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 20.56 m <sup>2</sup>	SC= 0.47	VLT= 52 %	ER= 17 %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Reflective	Area= 54.93 m <sup>2</sup>	SC= 0.47	VLT= 52 %	ER= 17 %	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	
		Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input 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 type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No									
	Sidfin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input 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	8.82 W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				11.73 W/m <sup>2</sup>				6.77 W/m <sup>2</sup>				
Average Absorptivity	0.42				0.42				0.42				0.42				
RTTV <sub>Wall</sub> at each facade	10.70 W/m <sup>2</sup>				5.25 W/m <sup>2</sup>				14.35 W/m <sup>2</sup>				9.96 W/m <sup>2</sup>				
Overall RTTV <sub>Wall</sub>	12.57 W/m <sup>2</sup>																

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor	2.16										
Total Roof Area (Residential Units)	110.50 m <sup>2</sup>										
Total Skylight Area	0.00 m <sup>2</sup>										
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 W/m <sup>2</sup>									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	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 checked="" type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Solar Radiation through Glazing	0.00 W/m <sup>2</sup>										
Average Absorptivity (roof)	0.70										
Overall RTTV <sub>Roof</sub>	2.81 W/m <sup>2</sup>										



# 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: Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mum, New Territories (House H26)		BD Ref. No.
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)	3	

**Table 1**

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		NE				SE				SW				NW							
Wall Orientation Factor		0.924				1.051				1.092				0.965							
Total External Wall Area (Residential Units)		91.14 m <sup>2</sup>		Window to Wall Ratio = 0.36		39.74 m <sup>2</sup>		Window to Wall Ratio = 0		98.93 m <sup>2</sup>		Window to Wall Ratio = 0.51		175.22 m <sup>2</sup>		Window to Wall Ratio = 0.24					
Total Window Factor		32.52 m <sup>2</sup>				0 m <sup>2</sup>				50.28 m <sup>2</sup>				42.82 m <sup>2</sup>							
Heat Conduction	Opaque Wall	5.26 W/m <sup>2</sup>				3.75 W/m <sup>2</sup>				5.30 W/m <sup>2</sup>				3.47 W/m <sup>2</sup>							
	Window	0.39 W/m <sup>2</sup>				0 W/m <sup>2</sup>				0.65 W/m <sup>2</sup>				0.28 W/m <sup>2</sup>							
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 32.52 m <sup>2</sup>	SC= 0.47	VLT= 52 %	ER= 17 %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Reflective	Area= 50.28 m <sup>2</sup>	SC= 0.47	VLT= 52 %	ER= 17 %	<input checked="" type="checkbox"/> Reflective	Area= 42.82 m <sup>2</sup>	SC= 0.47	VLT= 52 %	ER= 17 %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<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							
	External Shading	Overhang	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
		Sidewall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidewall <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Sidewall <input type="checkbox"/> Yes <input type="checkbox"/> No				Sidewall <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Solar Radiation through Glazing		5.79 W/m <sup>2</sup>				0 W/m <sup>2</sup>				9.29 W/m <sup>2</sup>				4.63 W/m <sup>2</sup>							
Average Absorptivity		0.744				0.3				0.83				0.40							
RTTV <sub>Wall</sub> at each facade		11.43 W/m <sup>2</sup>				3.75 W/m <sup>2</sup>				15.24 W/m <sup>2</sup>				8.37 W/m <sup>2</sup>							
Overall RTTV <sub>Wall</sub>		10.29 W/m <sup>2</sup>																			

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		127.24 m <sup>2</sup>									
Total Skylight Area		0 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	W/m <sup>2</sup>									
Skylight	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 2.78 m <sup>2</sup>	SC= 0.42	VLT= 45 %	ER= 24 %	<input type="checkbox"/> Tinted	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= %
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %					
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Solar Radiation through Glazing		0 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									



# 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:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay, Area 48, Tuen Mun, New Territories (Room 01 to Room 15)	BD Ref. No.
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)	1	

**Table 1**

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		SE				SW															
Wall Orientation Factor		1.051				1.092															
Total External Wall Area (Residential Units)		m <sup>2</sup>	Window to Wall Ratio		m <sup>2</sup>	Window to Wall Ratio		m <sup>2</sup>	Window to Wall Ratio		m <sup>2</sup>	Window to Wall Ratio									
Total Window Factor		m <sup>2</sup>	=		m <sup>2</sup>	=		m <sup>2</sup>	=		m <sup>2</sup>	=									
Heat Conduction	Opaque Wall	W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>											
	Window	W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>											
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Reflective	Area= 116.4 m <sup>2</sup>	SC= 0.33	VLT= 52 %	ER= 19 %	<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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	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		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" 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 type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <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		Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No										
Solar Radiation through Glazing		W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>											
Average Absorptivity																					
RTTV <sub>Wall</sub> at each facade		W/m <sup>2</sup>				W/m <sup>2</sup>				W/m <sup>2</sup>											
Overall RTTV <sub>Wall</sub>		11.98 W/m <sup>2</sup>																			

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		484.80 m <sup>2</sup>									
Total Skylight Area		0.00 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	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 checked="" type="checkbox"/> No									
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									



# 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:	Residential Development at TMTL 542, Castle Peak Road, Castle Peak Bay,	BD Ref. No.
Building Type:	Area 48, Tuen Mun, New Territories (Room 19 to Room 26)	
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)	1	

**Table 1**

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		SE						SW													
Wall Orientation Factor		1.051						1.092													
Total External Wall Area (Residential Units)		m <sup>2</sup>	Window to Wall Ratio		23.50 m <sup>2</sup>		Window to Wall Ratio		263.50 m <sup>2</sup>		Window to Wall Ratio		m <sup>2</sup>		Window to Wall Ratio						
Total Window Factor		m <sup>2</sup>	=		0 m <sup>2</sup>		= 0.00		106.96 m <sup>2</sup>		= 0.41		m <sup>2</sup>		=						
Heat Conduction	Opaque Wall	W/m <sup>2</sup>				11.25 W/m <sup>2</sup>				7.49 W/m <sup>2</sup>				W/m <sup>2</sup>							
	Window	W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				0.41 W/m <sup>2</sup>				W/m <sup>2</sup>							
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Reflective	Area= 106.96 m <sup>2</sup>	SC= 0.33	VLT= 52 %	ER= 19 %	<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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	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= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	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		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No													
External Shading	Overhang	<input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No													
	Sidfin	<input type="checkbox"/> Yes <input type="checkbox"/> No		Sidfin <input type="checkbox"/> Yes <input type="checkbox"/> No		Sidfin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidfin <input type="checkbox"/> Yes <input type="checkbox"/> No													
Solar Radiation through Glazing		W/m <sup>2</sup>				0.00 W/m <sup>2</sup>				4.98 W/m <sup>2</sup>				W/m <sup>2</sup>							
Average Absorptivity						0.90				0.90											
RTTV <sub>Wall</sub> at each facade		W/m <sup>2</sup>				11.25 W/m <sup>2</sup>				12.89 W/m <sup>2</sup>				W/m <sup>2</sup>							
Overall RTTV <sub>Wall</sub>		12.75 W/m <sup>2</sup>																			

**Table 3**

RTTV <sub>Roof</sub>											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		259 m <sup>2</sup>									
Total Skylight Area		0.00 m <sup>2</sup>									
Heat Conduction	Roof	2.81 W/m <sup>2</sup>									
	Skylight	0.00 W/m <sup>2</sup>									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<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"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	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 checked="" 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	<input type="checkbox"/> Yes <input checked="" 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				
Solar Radiation through Glazing		0.00 W/m <sup>2</sup>									
Average Absorptivity (roof)		0.70									
Overall RTTV <sub>Roof</sub>		2.81 W/m <sup>2</sup>									