

Address:	Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 1)	BD Ref. No.	BD 2/4023/19
Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.74	0.71	N/A	0	0.35	0.42	0.61	0.51
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		31.11 m ²		Window to Wall Ratio = 0.74		211.68 m ²		Window to Wall Ratio = 0.71		0 m ²		Window to Wall Ratio = N/A		51.97 m ²		Window to Wall Ratio = 0	
Total Window Factor		22.95 m ²				150.58 m ²				0 m ²				0 m ²			
Heat Conduction	Opaque Wall	2.31 W/m ²				2.89 W/m ²				0 W/m ²				9.18 W/m ²			
	Window	0.74 W/m ²				0.81 W/m ²				0 W/m ²				0 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 22.95 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 150.58 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		9.39 W/m ²				10.30 W/m ²				0 W/m ²				0 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		12.43 W/m ²				14.00 W/m ²				0 W/m ²				9.18 W/m ²			
Overall RTTV _{Wall}		11.42 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor											
Total Roof Area (Residential Units)		m ²									
Total Skylight Area		m ²									
Heat Conduction	Roof	W/m ²									
	Skylight	W/m ²									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %	Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No								
Solar Radiation through Glazing		W/m ²									
Average Absorptivity (roof)											
Overall RTTV _{Roof}		W/m ²									

Address:	Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 1)	BD Ref. No.	BD 2/4023/19
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No. of Storeys (Residential Units)	23		

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		N				E				S				W			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		695.11 m ²				465.72 m ²				2036.85 m ²				675.29 m ²			
Total Window Factor		242.77 m ²				197.64 m ²				1248.66 m ²				346.67 m ²			
Heat Conduction	Opaque Wall	4.68 W/m ²				5.87 W/m ²				3.59 W/m ²				5.24 W/m ²			
	Window	0.30 W/m ²				0.49 W/m ²				0.65 W/m ²				0.63 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 242.77 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 197.64 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 1248.66 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 346.67 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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			
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		2.65 W/m ²				6.27 W/m ²				7.17 W/m ²				8.00 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		7.62 W/m ²				12.63 W/m ²				11.40 W/m ²				13.86 W/m ²			
Overall RTTV _{Wall}		11.42 W/m ²															

Table 3

RTTV _{Roof}							
Roof Orientation Factor		2.16					
Total Roof Area (Residential Units)		211.88 m ²					
Total Skylight Area		0.00 m ²					
Heat Conduction	Roof	3.22 W/m ²					
	Skylight	0.00 W/m ²					
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %	
	Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0.00 W/m ²					
Average Absorptivity (roof)		0.80					
Overall RTTV _{Roof}		3.22 W/m ²					

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

Address:	Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 2)	BD Ref. No.	BD 2/4023/19
Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.56	N/A	N/A	0	0.21	0.22	0.46	0.63
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		NE				SE				SW				NW							
Wall Orientation Factor		0.924				1.051				1.092				0.965							
Total External Wall Area (Residential Units)		294.06 m ²		Window to Wall Ratio = 0.56		0 m ²		Window to Wall Ratio = N/A		0 m ²		Window to Wall Ratio = N/A		47.65 m ²		Window to Wall Ratio = 0					
Total Window Factor		164.39 m ²		0 m ²		0 m ²		0 m ²		0 m ²		0 m ²		0 m ²		0 m ²					
Heat Conduction	Opaque Wall	3.36 W/m ²				0 W/m ²				0 W/m ²				8.53 W/m ²							
	Window	0.56 W/m ²				0 W/m ²				0 W/m ²				0 W/m ²							
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 297.06 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		7.12 W/m ²				0 W/m ²				0 W/m ²				0 W/m ²							
Average Absorptivity		0.8				0.8				0.8				0.8							
RTTV _{Wall} at each facade		11.03 W/m ²				0 W/m ²				0 W/m ²				8.53 W/m ²							
Overall RTTV _{Wall}		10.44 W/m ²																			

Table 3

RTTV _{Roof}											
Roof Orientation Factor											
Total Roof Area (Residential Units)		m ²									
Total Skylight Area		m ²									
Heat Conduction	Roof	W/m ²									
	Skylight	W/m ²									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %	Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No								
Solar Radiation through Glazing		W/m ²									
Average Absorptivity (roof)											
Overall RTTV _{Roof}		W/m ²									

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

Address:	Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 2)	BD Ref. No.	BD 2/4023/19
Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

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		N				E				S				W			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		229.26 m ²		Window to Wall Ratio = 0.21		865.85 m ²		Window to Wall Ratio = 0.22		1342.55 m ²		Window to Wall Ratio = 0.46		1122.37 m ²		Window to Wall Ratio = 0.63	
Total Window Factor		48.01 m ²				188.36 m ²				611.77 m ²				702.19 m ²			
Heat Conduction	Opaque Wall	5.94 W/m ²				7.98 W/m ²				5.05 W/m ²				2.75 W/m ²			
	Window	0.18 W/m ²				0.25 W/m ²				0.48 W/m ²				0.72 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 48.01 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 188.36 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 611.77 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 702.19 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		2.27 W/m ²				2.91 W/m ²				4.65 W/m ²				7.09 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		8.39 W/m ²				11.14 W/m ²				10.18 W/m ²				10.56 W/m ²			
Overall RTTV _{Wall}		10.44 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		217.18 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				

Notes:
 ER = External Reflectance
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 VLT = Visible Light Transmittance
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Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.66	0.24	0.74	0.29	N/A	N/A	0.12	0
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	52	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	14 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance		14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		741.80 m ²		Window to Wall Ratio = 0.66		305.35 m ²		Window to Wall Ratio = 0.24		1109.96 m ²		Window to Wall Ratio = 0.74		318.28 m ²		Window to Wall Ratio = 0.29	
Total Window Factor		486.63 m ²				72.82 m ²				818.32 m ²				93.12 m ²			
Heat Conduction	Opaque Wall	2.62 W/m ²				7.33 W/m ²				1.42 W/m ²				6.03 W/m ²			
	Window	0.66 W/m ²				0.27 W/m ²				0.87 W/m ²				0.31 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 486.63 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 72.82 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 818.32 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 93.12 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		8.35 W/m ²				3.45 W/m ²				9.41 W/m ²				3.59 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.63 W/m ²				11.06 W/m ²				11.70 W/m ²				9.93 W/m ²			
Overall RTTV _{Wall}		11.01 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor											
Total Roof Area (Residential Units)		m ²									
Total Skylight Area		m ²									
Heat Conduction	Roof	W/m ²									
	Skylight	W/m ²									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %	Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No								
Solar Radiation through Glazing		W/m ²									
Average Absorptivity (roof)											
Overall RTTV _{Roof}		W/m ²									

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

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 3)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

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		N				E				S				W			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		0 m ²	Window to Wall Ratio = N/A			0 m ²	Window to Wall Ratio = N/A			134.33 m ²	Window to Wall Ratio = 0.12			107.05 m ²	Window to Wall Ratio = 0		
Total Window Factor		0 m ²				0 m ²				15.66 m ²				0 m ²			
Heat Conduction	Opaque Wall	0 W/m ²				0 W/m ²				5.60 W/m ²				7.36 W/m ²			
	Window	0 W/m ²				0 W/m ²				0.12 W/m ²				0.00 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 15.66 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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			
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		0 W/m ²				0 W/m ²				1.57 W/m ²				0.00 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		0 W/m ²				0 W/m ²				7.29 W/m ²				7.36 W/m ²			
Overall RTTV _{Wall}		11.01 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		150.16 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				

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

Address:	Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 5)	BD Ref. No.	BD 2/4023/19
Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.57	0.13	0.67	0.04	0	N/A	0.11	0
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		456.51 m ²		Window to Wall Ratio = 0.57		136.59 m ²		Window to Wall Ratio = 0.13		1577.57 m ²		Window to Wall Ratio = 0.67		151.78 m ²		Window to Wall Ratio = 0.04	
Total Window Factor		261.27 m ²				17.59 m ²				1050.57 m ²				5.40 m ²			
Heat Conduction	Opaque Wall	3.49 W/m ²				8.09 W/m ²				1.80 W/m ²				8.22 W/m ²			
	Window	0.57 W/m ²				0.15 W/m ²				0.79 W/m ²				0.04 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 261.27 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 17.59 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 1050.5 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 5.40 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		7.29 W/m ²				1.86 W/m ²				8.97 W/m ²				0.47 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.35 W/m ²				10.10 W/m ²				11.56 W/m ²				8.73 W/m ²			
Overall RTTV _{Wall}		10.77 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor						
Total Roof Area (Residential Units)		m ²				
Total Skylight Area		m ²				
Heat Conduction	Roof	W/m ²				
	Skylight	W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No				
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Solar Radiation through Glazing		W/m ²				
Average Absorptivity (roof)						
Overall RTTV _{Roof}		W/m ²				

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 5)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

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		N				E				S				W							
Wall Orientation Factor		0.79				1.072				0.975				1.131							
Total External Wall Area (Residential Units)		3.53 m ²		Window to Wall Ratio = 0		0 m ²		Window to Wall Ratio = N/A		137.25 m ²		Window to Wall Ratio = 0.11		127.92 m ²		Window to Wall Ratio = 0					
Total Window Factor		0 m ²		0 m ²		0 m ²		15.66 m ²		0 m ²		0 m ²		0 m ²		0 m ²					
Heat Conduction	Opaque Wall	7.52 W/m ²				0 W/m ²				4.27 W/m ²				7.36 W/m ²							
	Window	0 W/m ²				0 W/m ²				0.12 W/m ²				0 W/m ²							
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 15.66 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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							
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Solar Radiation through Glazing		0 W/m ²				0 W/m ²				1.53 W/m ²				0 W/m ²							
Average Absorptivity		0.8				0.8				0.8				0.8							
RTTV _{Wall} at each facade		7.52 W/m ²				0 W/m ²				5.92 W/m ²				7.36 W/m ²							
Overall RTTV _{Wall}		10.77 W/m ²																			

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		198.28 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				

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

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 6)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.58	0.13	0.67	0.04	0	N/A	0.11	0
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		454.06 m ²		Window to Wall Ratio = 0.58		136.59 m ²		Window to Wall Ratio = 0.13		1576.11 m ²		Window to Wall Ratio = 0.67		151.73 m ²		Window to Wall Ratio = 0.04	
Total Window Factor		262.68 m ²				17.59 m ²				1054.17 m ²				5.84 m ²			
Heat Conduction	Opaque Wall	3.44 W/m ²				8.09 W/m ²				1.79 W/m ²				8.20 W/m ²			
	Window	0.58 W/m ²				0.15 W/m ²				0.79 W/m ²				0.04 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 262.68 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 17.59 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 1054.17 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 5.84 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		7.36 W/m ²				1.86 W/m ²				9.01 W/m ²				0.51 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.38 W/m ²				10.10 W/m ²				11.59 W/m ²				8.75 W/m ²			
Overall RTTV _{Wall}		10.82 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor											
Total Roof Area (Residential Units)		m ²									
Total Skylight Area		m ²									
Heat Conduction	Roof	W/m ²									
	Skylight	W/m ²									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %	Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No								
Solar Radiation through Glazing		W/m ²									
Average Absorptivity (roof)											
Overall RTTV _{Roof}		W/m ²									

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 6)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

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		N				E				S				W							
Wall Orientation Factor		0.79				1.072				0.975				1.131							
Total External Wall Area (Residential Units)		4.10 m ²		Window to Wall Ratio = 0		0 m ²		Window to Wall Ratio = N/A		137.25 m ²		Window to Wall Ratio = 0.11		106.92 m ²		Window to Wall Ratio = 0					
Total Window Factor		0 m ²		0 m ²		0 m ²		15.66 m ²		0 m ²		0 m ²		0 m ²		0 m ²					
Heat Conduction	Opaque Wall	7.52 W/m ²				0 W/m ²				4.27 W/m ²				7.36 W/m ²							
	Window	0 W/m ²				0 W/m ²				0.12 W/m ²				0 W/m ²							
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 15.66 m ²	SC= 0.33	VLT= 52 %	ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 %	ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		<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		<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		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		0 W/m ²				0 W/m ²				1.53 W/m ²				0 W/m ²							
Average Absorptivity		0.8				0.8				0.8				0.8							
RTTV _{Wall} at each facade		7.52 W/m ²				0 W/m ²				5.92 W/m ²				7.36 W/m ²							
Overall RTTV _{Wall}		10.82 W/m ²																			

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		209.12 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				

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

Address:	Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 7)	BD Ref. No.	BD 2/4023/19
Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

Table 1

Deemed to Satisfy RTTV _{Wall}									
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West	
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.64	0.37	0.64	0.19	N/A	0	0.24	0	
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	52	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	14 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance		14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		728.04 m ²		Window to Wall Ratio = 0.64		290.41 m ²		Window to Wall Ratio = 0.37		1104.58 m ²		Window to Wall Ratio = 0.64		252.10 m ²		Window to Wall Ratio = 0.19	
Total Window Factor		467.36 m ²				106.64 m ²				707.44 m ²				46.95 m ²			
Heat Conduction	Opaque Wall	2.73 W/m ²				5.88 W/m ²				1.94 W/m ²				6.94 W/m ²			
	Window	0.64 W/m ²				0.42 W/m ²				0.76 W/m ²				0.19 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 467.36 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 106.64 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 707.44 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 46.95 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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			
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		8.17 W/m ²				4.69 W/m ²				8.09 W/m ²				2.17 W/m ²			
Average Absorptivity		0.8				0.8				0				0.8			
RTTV _{Wall} at each facade		11.54 W/m ²				10.98 W/m ²				10.79 W/m ²				9.30 W/m ²			
Overall RTTV _{Wall}		10.54 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor											
Total Roof Area (Residential Units)										m ²	
Total Skylight Area										m ²	
Heat Conduction	Roof									W/m ²	
	Skylight									W/m ²	
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %					
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No										
Solar Radiation through Glazing										W/m ²	
Average Absorptivity (roof)											
Overall RTTV _{Roof}										W/m ²	

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 7)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

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		N				E				S				W			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		0 m ²		Window to Wall Ratio = N/A		47.74 m ²		Window to Wall Ratio = 0		128.89 m ²		Window to Wall Ratio = 0.24		118.77 m ²		Window to Wall Ratio = 0	
Total Window Factor		0 m ²				0 m ²				31.32 m ²				0 m ²			
Heat Conduction	Opaque Wall	0 W/m ²				10.20 W/m ²				3.65 W/m ²				7.36 W/m ²			
	Window	0 W/m ²				0 W/m ²				0.26 W/m ²				0.00 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 31.32 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		<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		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		0 W/m ²				0 W/m ²				3.26 W/m ²				0.00 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		0 W/m ²				10.20 W/m ²				7.17 W/m ²				7.36 W/m ²			
Overall RTTV _{Wall}		10.54 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		145.12 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				

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

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 8)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	N/A	0.71	0.69	N/A	0.7	0.05	0.63	0.07
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		0 m ²		Window to Wall Ratio = N/A		90.17 m ²		Window to Wall Ratio = 0.71		93.50 m ²		Window to Wall Ratio = 0.69		0 m ²		Window to Wall Ratio = N/A	
Total Window Factor		0 m ²		64.39 m ²		64.44 m ²		0 m ²		64.44 m ²		0 m ²		0 m ²		0 m ²	
Heat Conduction	Opaque Wall	0 W/m ²				1.95 W/m ²				3.23 W/m ²				0 W/m ²			
	Window	0 W/m ²				0.81 W/m ²				0.81 W/m ²				0 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 64.39 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 64.44 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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			
	Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		0 W/m ²				10.34 W/m ²				10.37 W/m ²				0 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		0 W/m ²				13.11 W/m ²				14.41 W/m ²				0 W/m ²			
Overall RTTV _{Wall}		10.35 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor											
Total Roof Area (Residential Units)		m ²									
Total Skylight Area		m ²									
Heat Conduction	Roof	W/m ²									
	Skylight	W/m ²									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %					
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No									
External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No										
Solar Radiation through Glazing		W/m ²									
Average Absorptivity (roof)											
Overall RTTV _{Roof}		W/m ²									

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

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 8)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

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		N				E				S				W			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		704.13 m ²		Window to Wall Ratio = 0.70		302.98 m ²		Window to Wall Ratio = 0.05		1291.39 m ²		Window to Wall Ratio = 0.63		214.54 m ²		Window to Wall Ratio = 0.07	
Total Window Factor		496.08 m ²				14.60 m ²				818.45 m ²				14.38 m ²			
Heat Conduction	Opaque Wall	2.22 W/m ²				9.01 W/m ²				2.15 W/m ²				9.32 W/m ²			
	Window	0.60 W/m ²				0.06 W/m ²				0.67 W/m ²				0.08 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 496.08 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 14.60 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 818.45 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 14.38 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		7.61 W/m ²				0.71 W/m ²				7.12 W/m ²				1.04 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.44 W/m ²				9.78 W/m ²				9.94 W/m ²				10.45 W/m ²			
Overall RTTV _{Wall}		10.35 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		188.06 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				

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

Address: Proposed Residential Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 9 & 9A)		BD Ref. No. BD 2/4023/19
Building Type:	Residential	
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
No. of Storeys (Residential Units)	23	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	North-East	Souh-East	Souh-West	North-West	North	East	South	West
Average Absorptivity	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Average Window to Wall Ratio	0.13	0.55	0.63	0.45	0.10	0.07	N/A	0.69
Shading Coefficient of Glazing	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Average Shading Coefficient of Facade	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Visible Light Transmittance	52 %	52 %	52 %	52 %	52 %	52 %	52 %	52 %
External Reflectance	14 %	14 %	14 %	14 %	14 %	14 %	14 %	14 %

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		NE				SE				SW				NW			
Wall Orientation Factor		0.924				1.051				1.092				0.965			
Total External Wall Area (Residential Units)		925.10 m ²		Window to Wall Ratio = 0.13		1368.83 m ²		Window to Wall Ratio = 0.55		1953.29 m ²		Window to Wall Ratio = 0.63		1084.40 m ²		Window to Wall Ratio = 0.45	
Total Window Factor		118.05 m ²		748.10 m ²		748.10 m ²		748.10 m ²		1223.24 m ²		1223.24 m ²		487.23 m ²		487.23 m ²	
Heat Conduction	Opaque Wall	7.44 W/m ²				4.08 W/m ²				2.97 W/m ²				4.80 W/m ²			
	Window	0.13 W/m ²				0.62 W/m ²				0.74 W/m ²				0.47 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 118.05 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 748.10 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input type="checkbox"/> Reflective	Area= 1223.24 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 487.23 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		<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		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		1.62 W/m ²				9.16 W/m ²				8.17 W/m ²				5.72 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		9.19 W/m ²				13.86 W/m ²				11.88 W/m ²				10.99 W/m ²			
Overall RTTV _{Wall}		11.75 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor						
Total Roof Area (Residential Units)		m ²				
Total Skylight Area		m ²				
Heat Conduction	Roof	W/m ²				
	Skylight	W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Solar Radiation through Glazing		W/m ²				
Average Absorptivity (roof)						
Overall RTTV _{Roof}		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 Commercial Development at NKIL 6551, Kai Tak Area 4C, Site 3, Kai Tak, Kowloon. (Tower 9 & 9A)	BD Ref. No.	BD 2/4023/19
Building Type:	Residential		
RTTV calculated by	<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:		
No. of Storeys (Residential Units)	23		

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		N				E				S				W			
Wall Orientation Factor		0.79				1.072				0.975				1.131			
Total External Wall Area (Residential Units)		231.75 m ²		Window to Wall Ratio = 0.10		190.35 m ²		Window to Wall Ratio = 0.07		0 m ²		Window to Wall Ratio = N/A		555.93 m ²		Window to Wall Ratio = 0.69	
Total Window Factor		22.85 m ²				12.89 m ²				0 m ²				383.44 m ²			
Heat Conduction	Opaque Wall	6.29 W/m ²				9.77 W/m ²				0 W/m ²				3.34 W/m ²			
	Window	0.08 W/m ²				0.08 W/m ²				0 W/m ²				0.84 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 22.85 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 12.89 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 0 m ²	SC= 0.33	VLT= 52 % ER= 14 %	<input checked="" type="checkbox"/> Reflective	Area= 383.44 m ²	SC= 0.33	VLT= 52 % ER= 14 %
		<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 type="checkbox"/> Clear	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= %	<input type="checkbox"/> Clear	Area= m ²	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		1.07 W/m ²				1.00 W/m ²				0 W/m ²				9.75 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		7.45 W/m ²				10.85 W/m ²				0 W/m ²				13.94 W/m ²			
Overall RTTV _{Wall}		11.75 W/m ²															

Table 3

RTTV _{Roof}						
Roof Orientation Factor		2.16				
Total Roof Area (Residential Units)		359.74 m ²				
Total Skylight Area		0.00 m ²				
Heat Conduction	Roof	3.22 W/m ²				
	Skylight	0.00 W/m ²				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
External Shading		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Solar Radiation through Glazing		0.00 W/m ²				
Average Absorptivity (roof)		0.80				
Overall RTTV _{Roof}		3.22 W/m ²				