

RTTV Summary Sheet

Address:	West Rail Tsuen Wan Station, TWS Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 1	BD Ref. No.	2/7944/01(CS) Pt. VIII
Building Type:	Residential		
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	30		

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	Southwest	Northwest	Northeast	Southeast			
Average Absorptivity	-	0.8	-	0.8			
Average Window to Wall Ratio	-	0.51	-	0.40			
Shading Coefficient of Glazing	-	0.32	-	0.32			
Average Shading Coefficient of Facade	-	0.25	-	0.32			
Visible Light Transmittance	-	52%	-	52%	%	%	%
External Reflectance	-	8.0%	-	8.0%	%	%	%

RTTV _{Wall}																			
Facade Orientation Facing		Southwest				Northwest				Northeast				Southeast					
Wall Orientation Factor		1.092				0.965				0.924				0.975					
Total External Wall Area (Residential Units)		393.91 m ²		Window to Wall Ratio		1301.40 m ²		Window to Wall Ratio		396.54 m ²		Window to Wall Ratio		447.30 m ²		Window to Wall Ratio			
Total Window Area		0.00 m ²		= 0.00		665.04 m ²		= 0.51		0.00 m ²		= 0.00		179.23 m ²		= 0.40			
Heat Conduction	Opaque Wall	10.31 W/m ²				4.45 W/m ²				8.72 W/m ²				5.52 W/m ²					
	Window	0.00 W/m ²				0.51 W/m ²				0.00 W/m ²				0.40 W/m ²					
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %		
		☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= 665.04 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☐ Tinted	Area= m ²	SC=	VLT= % ER= %	☐ Tinted	Area= 179.23 m ²	SC= 0.32	VLT= 52% ER= 8.0%		
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %		
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No					
		External Shading	Overhang ☐ Yes ☒ No				Overhang ☐ Yes ☒ No				Overhang ☐ Yes ☒ No				Overhang ☐ Yes ☒ No				
			Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				
Solar Radiation through Glazing		0.00 W/m ²				5.17 W/m ²				0.00 W/m ²				5.22 W/m ²					
Average Absorptivity		0.8				0.8				0.8				0.8					
RTTV _{Wall} at each facade		10.31 W/m ²				10.13 W/m ²				8.72 W/m ²				11.14 W/m ²					
Overall RTTV _{Wall}						10.11 W/m ²													

Table 3

RTTV _{Roof}									
Roof Orientation Factor			2.16						
Total Roof Area (Residential Units)			116.97 m ²						
Total Skylight Area			0 m ²						
Heat Conduction	Roof	3.35 W/m ²							
	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT= %		ER= %	
		☐ Tinted	Area=	m ²	SC=	VLT= %		ER= %	
		☐ Clear	Area=	m ²	SC=	VLT= %		ER= %	
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing			0 W/m ²					
Average Absorptivity (roof)			0.7						
Overall RTTV _{Roof}			3.35 W/m ²						

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

Notes:

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

RTTV Summary Sheet

Address: West Rail Tsuen Wan Station, TW5 Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 2		BD Ref. No. 2/7944/01(CS) Pt. VIII
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	30	

Table 1

Deemed to Satisfy RTTV _{wall}									
Facade Orientation Facing	Southwest	Northwest	Northeast	Southeast					
Average Absorptivity	0.8	-	0.8	-					
Average Window to Wall Ratio	0.37	-	0.51	-					
Shading Coefficient of Glazing	0.32	-	0.00	-					
Average Shading Coefficient of Facade	0.32	-	0.26	-					
Visible Light Transmittance	52%	-	52%	-					
External Reflectance	8.0%	-	8.0%	-					

RTTV _{Wall}																		
Facade Orientation Facing		Southwest				Northwest				Northeast				Southeast				
Wall Orientation Factor		1.092				0.965				0.924				0.975				
Total External Wall Area (Residential Units)		806.40 m ²		Window to Wall Ratio		661.20 m ²		Window to Wall Ratio		2169.00 m ²		Window to Wall Ratio		661.20 m ²		Window to Wall Ratio		
Total Window Area		298.72 m ²		= 0.37		0.00 m ²		= 0.00		1115.59 m ²		= 0.51		0.00 m ²		= 0.00		
Heat Conduction	Opaque Wall	6.50 W/m ²				9.12 W/m ²				4.24 W/m ²				9.22 W/m ²				
	Window	0.42 W/m ²				0.00 W/m ²				0.49 W/m ²				0.00 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	
		☒ Tinted	Area= 298.72 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Tinted	Area= 1115.59 m ²	SC= 0.00	VLT= 52% ER= 8.0%	☒ Tinted	Area= m ²	SC=	VLT= % ER= %	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				
		External Shading	Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☒ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☒ No			
			Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No			
Solar Radiation through Gazing		5.40 W/m ²				0.00 W/m ²				5.28 W/m ²				0.00 W/m ²				
Average Absorptivity		0.8				0.8				0.8				0.8				
RTTV _{Wall} at each facade		12.32 W/m ²				9.12 W/m ²				10.01 W/m ²				9.22 W/m ²				
Overall RTTV _{Wall}						10.18 W/m ²												

Table 3

RTTV _{Roof}									
Roof Orientation Factor			2.16						
Total Roof Area (Residential Units)			116.07 m ²						
Total Skylight Area			0 m ²						
Heat Conduction	Roof	3.36 W/m ²							
	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT= %		ER= %	
		☐ Tinted	Area=	m ²	SC=	VLT= %		ER= %	
		☐ Clear	Area=	m ²	SC=	VLT= %		ER= %	
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
Solar Radiation through Glazing			0 W/m ²						
Average Absorptivity (roof)			0.7						
Overall RTTV _{Roof}			3.36 W/m ²						

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

Notes:

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

RTTV Summary Sheet

Address:	West Rail Tsuen Wan Station, TWS Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 3	BD Ref. No.	2/7944/01(CS) Pt VIII
Building Type:	Residential		
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	30		

Table 1

Deemed to Satisfy RTTV _{wall}									
Facade Orientation Facing	Southwest	Northwest	Northeast	Southeast					
Average Absorptivity	0.8	-	0.8	-					
Average Window to Wall Ratio	0.42	-	0.49	-					
Shading Coefficient of Glazing	0.32	-	0.32	-					
Average Shading Coefficient of Facade	0.32	-	0.52	-					
Visible Light Transmittance	52%	-	52%	-					
External Reflectance	8.0%	-	8.0%	-					

Table 2

RTTV _{wall}																			
Facade Orientation Facing		East				North				West				South					
Wall Orientation Factor		1.092				0.965				0.924				0.975					
Total External Wall Area (Residential Units)		1029.21 m ²		Window to Wall Ratio = 0.42		906.54 m ²		Window to Wall Ratio = 0.00		3201.60 m ²		Window to Wall Ratio = 0.49		909.15 m ²		Window to Wall Ratio = 0.00			
Total Window Area		433.15 m ²				0.00 m ²				1554.74 m ²				0.00 m ²					
Heat Conduction	Opaque Wall	5.98 W/m ²				9.12 W/m ²				4.49 W/m ²				9.22 W/m ²					
	Window	0.47 W/m ²				0.00 W/m ²				0.46 W/m ²				0.00 W/m ²					
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %		
		☒ Tinted	Area= 433.15 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= m ²	SC=	VLT= % ER= %	☒ Tinted	Area= 1554.74 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☐ Tinted	Area= m ²	SC=	VLT= % ER= %		
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %		
		☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No					
	External Shading	Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☒ No				Overhang ☒ Yes ☐ No				Overhang ☐ Yes ☒ No					
Sidesfin ☐ Yes ☒ No				Sidesfin ☐ Yes ☒ No				Sidesfin ☐ Yes ☒ No				Sidesfin ☐ Yes ☒ No							
Solar Radiation through Glazing		6.09 W/m ²				0.00 W/m ²				4.83 W/m ²				0.00 W/m ²					
Average Absorptivity		0.8				0.8				0.8				0.8					
RTTV _{wall} at each facade		12.54 W/m ²				9.12 W/m ²				9.78 W/m ²				9.22 W/m ²					
Overall RTTV _{wall}						10.07 W/m ²													

Table 3

RTTV _{roof}									
Roof Orientation Factor	2.16								
Total Roof Area (Residential Units)	118.13 m ²								
Total Skylight Area	0 m ²								
Heat Conduction	Roof								
	3.36 W/m ²								
Skylight	Skylight								
	0 W/m ²								
	☐ Reflective Area= m ² SC= VLT= % ER= % ☐ Tinted Area= m ² SC= VLT= % ER= % ☐ Clear Area= m ² SC= VLT= % ER= %								
	Double Glazing ☐ Yes ☐ No								
	External Shading ☐ Yes ☐ No								
Solar Radiation through Glazing	0 W/m ²								
Average Absorptivity (roof)	0.7								
Overall RTTV _{roof}	3.36 W/m ²								

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

Notes:

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

RTTV Summary Sheet

Address: West Rail Tsuen Wan Station, TW5 Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 5		BD Ref. No. 2/7944/01(CS) Pt.VIII
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	30	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	Southwest	Northwest	Northeast	Southeast				
Average Absorptivity	0.8	0.8	0.8	0.8				
Average Window to Wall Ratio	0.07	0.39	0.04	0.37				
Shading Coefficient of Glazing	0.32	0.32	0.32	0.32				
Average Shading Coefficient of Facade	0.32	0.28	0.32	0.36				
Visible Light Transmittance	52%	52%	52%	52%	%	%	%	%
External Reflectance	8.0%	8.0%	8.0%	8.0%	%	%	%	%

Table 2

RTTV _{Wall}																		
Facade Orientation Facing		Southwest				Northwest				Northeast				Southeast				
Wall Orientation Factor		1.092				0.965				0.924				0.975				
Total External Wall Area (Residential Units)		1741.43 m ²		Window to Wall Ratio = 0.07	2667.05 m ²		Window to Wall Ratio = 0.39	1252.67 m ²		Window to Wall Ratio = 0.04	3240.45 m ²		Window to Wall Ratio = 0.37					
Total Window Area		119.71 m ²			1046.86 m ²			55.58 m ²			1210.40 m ²							
Heat Conduction	Opaque Wall	9.62 W/m ²				5.54 W/m ²				8.35 W/m ²				5.77 W/m ²				
	Window	0.08 W/m ²				0.39 W/m ²				0.04 W/m ²				0.38 W/m ²				
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	
		☒ Tinted	Area= 119.71 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 1046.86 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 55.58 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 1210.40 m ²	SC= 0.32	VLT= 52% ER= 8.0%	
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				
	External Shading	Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				
		Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				
	Solar Radiation through Glazing		1.00 W/m ²				4.47 W/m ²				0.55 W/m ²				3.88 W/m ²			
	Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		10.70 W/m ²				10.40 W/m ²				8.94 W/m ²				10.03 W/m ²				
Overall RTTV _{Wall}						10.12 W/m ²												

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		130.39 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.36 W/m ²							
	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT= %		ER= %	
		☐ Tinted	Area=	m ²	SC=	VLT= %		ER= %	
		☐ Clear	Area=	m ²	SC=	VLT= %		ER= %	
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
Solar Radiation through Glazing		0 W/m ²							
Average Absorptivity (roof)		0.7							
Overall RTTV _{Roof}		3.36 W/m ²							

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

Notes:

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

RTTV Summary Sheet

Address: West Rail Tsuen Wan Station, TW5 Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 6		BD Ref. No. 2/7944/01(CS) Pl. VIII
Building Type:	Residential	
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:	
No. of Storeys (Residential Units)	30	

Table 1

Deemed to Satisfy RTTV _{Wall}							
Facade Orientation Facing	East	North	West	South			
Average Absorptivity	0.8	0.8	0.8	0.8			
Average Window to Wall Ratio	0.15	0.54	0.07	0.50			
Shading Coefficient of Glazing	0.32	0.32	0.32	0.32			
Average Shading Coefficient of Facade	0.32	0.28	0.32	0.25			
Visible Light Transmittance	52%	52%	52%	52%	%	%	%
External Reflectance	8.0%	8.0%	8.0%	8.0%	%	%	%

Table 2

Table 2		RTTV _{Wall}															
Facade Orientation Facing		East				North				West				South			
Wall Orientation Factor		1.092				0.965				0.924				0.975			
Total External Wall Area (Residential Units)		803.24 m ²		Window to Wall Ratio = 0.15		1782.00 m ²		Window to Wall Ratio = 0.54		758.90 m ²		Window to Wall Ratio = 0.07		1967.70 m ²		Window to Wall Ratio = 0.50	
Total Window Area		118.44 m ²				954.26 m ²				55.58 m ²				988.88 m ²			
Heat Conduction	Opaque Wall	8.80 W/m ²				4.24 W/m ²				8.10 W/m ²				4.58 W/m ²			
	Window	0.17 W/m ²				0.53 W/m ²				0.07 W/m ²				0.50 W/m ²			
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %
		☒ Tinted	Area= 118.44 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 954.26 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 55.58 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 988.88 m ²	SC= 0.32	VLT= 52% ER= 8.0%
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No			
	External Shading	Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No			
		Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No			
Solar Radiation through Glazing		2.15 W/m ²				6.12 W/m ²				0.90 W/m ²				5.20 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{Wall} at each facade		11.12 W/m ²				10.89 W/m ²				9.07 W/m ²				10.28 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)			109.80 m²						
Total Skylight Area			0 m²						
Heat Conduction	Roof	3.36 W/m²							
	Skylight	0 W/m²							
Skylight	Glass Type	☐ Reflective	Area=	m²	SC=	VLT= %		ER= %	
		☐ Tinted	Area=	m²	SC=	VLT= %		ER= %	
		☐ Clear	Area=	m²	SC=	VLT= %		ER= %	
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
Solar Radiation through Glazing			0 W/m²						
Average Absorptivity (roof)			0.7						
Overall RTTV _{Roof}			3.36 W/m²						

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

Notes :

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

RTTV Summary Sheet

Address:	West Rail Tsuen Wan Station, TW5 Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 7	BD Ref. No.	2/7944/01(C5) Pt.VIII
Building Type:	Residential		
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	30		

Table 1

Deemed to Satisfy RTTV _{wall}									
Facade Orientation Facing	East	North	West	South					
Average Absorptivity	0.8	0.8	0.8	0.8					
Average Window to Wall Ratio	0.05	0.40	0.07	0.35					
Shading Coefficient of Glazing	0.32	0.32	0.32	0.32					
Average Shading Coefficient of Facade	0.32	0.31	0.32	0.24					
Visible Light Transmittance	52%	52%	52%	52%	%	%	%	%	%
External Reflectance	8.0%	8.0%	8.0%	8.0%	%	%	%	%	%

Table 2

RTTV _{wall}																	
Facade Orientation Facing		East				North				West				South			
Wall Orientation Factor		1.131				0.790				1.072				0.975			
Total External Wall Area (Residential Units)		1118.48 m ²	Window to Wall Ratio = 0.05		2565.00 m ²		Window to Wall Ratio = 0.40		1118.48 m ²		Window to Wall Ratio = 0.07		2811.00 m ²		Window to Wall Ratio = 0.35		
Total Window Area		60.41 m ²			1030.19 m ²				76.16 m ²				989.91 m ²				
Heat Conduction	Opaque Wall	10.10 W/m ²				4.46 W/m ²				9.43 W/m ²				5.96 W/m ²			
	Window	0.06 W/m ²				0.33 W/m ²				0.08 W/m ²				0.35 W/m ²			
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %	☐ Reflective	Area= m ²	SC=	VLT= % ER= %
		☒ Tinted	Area= 60.41 m ²	SC= 0.32	VLT=52% ER= 8.0%	☒ Tinted	Area= 1030.19 m ²	SC= 0.32	VLT=52% ER= 8.0%	☒ Tinted	Area= 76.16 m ²	SC= 0.32	VLT=52% ER= 8.0%	☒ Tinted	Area= 989.91 m ²	SC= 0.32	VLT=52% ER= 8.0%
		☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %	☐ Clear	Area= m ²	SC=	VLT= % ER= %
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No			
	External Shading	Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No			
		Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No			
Solar Radiation through Glazing		0.82 W/m ²				4.15 W/m ²				0.98 W/m ²				3.46 W/m ²			
Average Absorptivity		0.8				0.8				0.8				0.8			
RTTV _{wall} at each facade		10.98 W/m ²				8.94 W/m ²				10.48 W/m ²				9.77 W/m ²			
Overall RTTV _{wall}						9.77 W/m ²											

Table 3

RTTV _{Roof}									
Roof Orientation Factor		2.16							
Total Roof Area (Residential Units)		109.80 m ²							
Total Skylight Area		0 m ²							
Heat Conduction	Roof	3.35 W/m ²							
	Skylight	0 W/m ²							
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=	%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=	%	ER=	%
	Double Glazing	☐ Yes ☐ No							
	External Shading	☐ Yes ☐ No							
	Solar Radiation through Glazing	0 W/m ²							
Average Absorptivity (roof)		0.7							
Overall RTTV _{Roof}		3.35 W/m ²							

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

Notes:

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

RTTV Summary Sheet

Address:	West Rail Tsuen Wan Station, TW5 Cityside Property Development, Lot: Tsuen Wan Town No. 417, Tower 8	BD Ref. No.	2/7944/01(CS) Pt VIII
Building Type:	Residential		
RTTV calculated by	☒ 1. Registered Professional Engineers ☐ 2. Architect ☐ 3. Others, please specify:		
No. of Storeys (Residential Units)	30		

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing	Southwest	Northwest	Northeast	Southeast				
Average Absorptivity	0.8	0.8	0.8	0.8				
Average Window to Wall Ratio	0.37	0.05	0.41	0.15				
Shading Coefficient of Glazing	0.32	0.32	0.32	0.32				
Average Shading Coefficient of Facade	0.26	0.32	0.29	0.32				
Visible Light Transmittance	52%	52%	52%	52%	%	%	%	%
External Reflectance	8.0%	8.0%	8.0%	8.0%	%	%	%	%

Table 2

RTTV _{Wall}																					
Facade Orientation Facing		Southwest				Northwest				Northeast				Southeast							
Wall Orientation Factor		1.092				0.965				0.924				0.975							
Total External Wall Area (Residential Units)		3124.50 m ²		Window to Wall Ratio = 0.37		1297.73 m ²		Window to Wall Ratio = 0.05		2890.13 m ²		Window to Wall Ratio = 0.41		1758.30 m ²		Window to Wall Ratio = 0.15					
Total Window Area		1168.27 m ²				60.41 m ²				1182.81 m ²				257.81 m ²							
Heat Conduction	Opaque Wall	6.47 W/m ²				8.70 W/m ²				5.16 W/m ²				7.87 W/m ²							
	Window	0.42 W/m ²				0.05 W/m ²				0.39 W/m ²				0.15 W/m ²							
Window	Glass Type	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %	☐ Reflective	Area= m ²	SC=	VLT= %	ER= %
		☒ Tinted	Area= 1168.27 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 60.41 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 1182.81 m ²	SC= 0.32	VLT= 52% ER= 8.0%	☒ Tinted	Area= 257.81 m ²	SC= 0.32	VLT= 52% ER= 8.0%				
		☐ Clear	Area= m ²	SC=	VLT= %	ER= %	☐ Clear	Area= m ²	SC=	VLT= %	ER= %	☐ Clear	Area= m ²	SC=	VLT= %	ER= %	☐ Clear	Area= m ²	SC=	VLT= %	ER= %
		☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No							
	Double Glazing	☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No				☐ Yes ☒ No							
		Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No				Overhang ☒ Yes ☐ No							
		Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No				Sidefin ☐ Yes ☒ No							
	Solar Radiation through Gazing		4.39 W/m ²				0.60 W/m ²				4.64 W/m ²				1.91 W/m ²						
	Average Absorptivity		0.8				0.8				0.8				0.8						
	RTTV _{Wall} at each facade		11.28 W/m ²				9.35 W/m ²				10.19 W/m ²				9.93 W/m ²						
Overall RTTV _{Wall}						10.40 W/m ²															

Table 3

Table 3										
RTTV _{Roof}										
Roof Orientation Factor			2.16							
Total Roof Area (Residential Units)			131.40 m ²							
Total Skylight Area			0 m ²							
Heat Conduction	Roof	3.36 W/m ²								
	Skylight	0 W/m ²								
Skylight	Glass Type	☐ Reflective	Area=	m ²	SC=	VLT=		%	ER=	%
		☐ Tinted	Area=	m ²	SC=	VLT=		%	ER=	%
		☐ Clear	Area=	m ²	SC=	VLT=		%	ER=	%
	Double Glazing	☐ Yes ☐ No								
	External Shading	☐ Yes ☐ No								
Solar Radiation through Glazing			0 W/m ²							
Average Absorptivity (roof)			0.7							
Overall RTTV _{Roof}			3.36 W/m ²							

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

Notes :

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