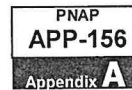




RTTV Summary Sheet

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



Address:	TAI WAI STATION, STTL 520, SHATIN- TOWER 2	BD Ref. No.
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)	40	

Table 1

Deemed to Satisfy RTTV <sub>wall</sub>									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance	%	%	%	%	%	%	%	%	%
External Reflection	%	%	%	%	%	%	%	%	%

Table 2

RTTV <sub>wall</sub>																						
Facade Orientation Facing	East			North			West			South												
Wall Orientation Factor	1.07			0.79			1.13			0.98												
Total External Wall Area (Residential Units)	208.43 m <sup>2</sup>			813.49 m <sup>2</sup>			2143.83 m <sup>2</sup>			378.31 m <sup>2</sup>												
Total Window Factor	0.00			0.00			0.55			0.01												
Heat Conduction	Opaque Wall			5.81 W/m <sup>2</sup>			2.99 W/m <sup>2</sup>			6.16 W/m <sup>2</sup>												
	Window			0.00 W/m <sup>2</sup>			2.19 W/m <sup>2</sup>			0.01 W/m <sup>2</sup>												
Window	Glass Type	<input type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	<input type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	<input type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	
			m <sup>2</sup>		%		m <sup>2</sup>		%		%	29.33 m <sup>2</sup>	0.48	17 %				3.18 m <sup>2</sup>	0.65	6 %		
		<input type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	
			m <sup>2</sup>		%		m <sup>2</sup>		%		%	387.1 m <sup>2</sup>	0.65	6 %			3.18 m <sup>2</sup>	0.65	6 %			
	<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=		
		m <sup>2</sup>		%		m <sup>2</sup>		%		%	753.6 m <sup>2</sup>	0.65	6 %									
Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No												
External Shading	Overhang			Overhang			Overhang			Overhang												
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No												
Sidefin			Sidefin			Sidefin			Sidefin													
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
Solar Radiation through Glazing	0.00 W/m <sup>2</sup>			0.00 W/m <sup>2</sup>			14.80 W/m <sup>2</sup>			0.22 W/m <sup>2</sup>												
Average Absorptivity	0.9			0.763533835			0.782813043			0.660315064												
RTTV <sub>wall</sub> at each facade	9.46 W/m <sup>2</sup>			5.81 W/m <sup>2</sup>			19.97 W/m <sup>2</sup>			6.41 W/m <sup>2</sup>												
Overall RTTV <sub>wall</sub>	13.55155199 W/m <sup>2</sup>																					

Table 2 (Cont')

RTTV <sub>wall</sub>																						
Facade Orientation Facing	South East			South West			North West			North East												
Wall Orientation Factor	1.05			1.09			0.97			0.92												
Total External Wall Area (Residential Units)	3984.63 m <sup>2</sup>			2118.30 m <sup>2</sup>			3111.42 m <sup>2</sup>			3047.65 m <sup>2</sup>												
Total Window Factor	0.32			0.03			0.31			0.50												
Heat Conduction	Opaque Wall			8.10 W/m <sup>2</sup>			4.97 W/m <sup>2</sup>			2.37 W/m <sup>2</sup>												
	Window			0.32 W/m <sup>2</sup>			0.31 W/m <sup>2</sup>			0.50 W/m <sup>2</sup>												
Window	Glass Type	<input checked="" type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	<input type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> IGU	Area=	SC=	VLT=	ER=	
			m <sup>2</sup>		%		m <sup>2</sup>		%		%	16.35 m <sup>2</sup>	0.48	17 %				15.34 m <sup>2</sup>	0.48	17 %		
		<input checked="" type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=	
			m <sup>2</sup>		%		m <sup>2</sup>		%		%	432.1 m <sup>2</sup>	0.65	6 %			303.5 m <sup>2</sup>	0.65	6 %			
	<input checked="" type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input checked="" type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=		
		m <sup>2</sup>		%		m <sup>2</sup>		%		%	804.6 m <sup>2</sup>	0.65	6 %			1191 m <sup>2</sup>	0.65	6 %				
Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No												
External Shading	Overhang			Overhang			Overhang			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			Sidefin			Sidefin			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	7.76 W/m <sup>2</sup>			0.61 W/m <sup>2</sup>			7.17 W/m <sup>2</sup>			11.36 W/m <sup>2</sup>												
Average Absorptivity	0.800321411			0.716737059			0.637134783			0.687029444												
RTTV <sub>wall</sub> at each facade	13.96 W/m <sup>2</sup>			8.81 W/m <sup>2</sup>			13.21 W/m <sup>2</sup>			15.37 W/m <sup>2</sup>												
Overall RTTV <sub>wall</sub>	13.55155199 W/m <sup>2</sup>																					

Table 3

RTTV <sub>roof</sub>											
Roof Orientation Factor	2.16										
Total Roof Area (Residential Units)	241.82 m <sup>2</sup>										
Total Skylight Area	0.00 m <sup>2</sup>										
Heat Conduction	Roof			3.27 W/m <sup>2</sup>							
	Skylight			0.00 W/m <sup>2</sup>							
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Tinted	Area=	SC=	VLT=	ER=
			m <sup>2</sup>		%		m <sup>2</sup>		%		%
		<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=	<input type="checkbox"/> Clear	Area=	SC=	VLT=	ER=
			m <sup>2</sup>		%		m <sup>2</sup>		%		%
Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Solar Radiation through Glazing	0.00 W/m <sup>2</sup>										
Average Absorptivity (roof)	0.8										
Overall RTTV <sub>roof</sub>	3.27 W/m <sup>2</sup>										

Address:	TAI WAI STATION, STLL 520, SHATIN- TOWER 3	BD Ref. No.
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)	39	

**Table 1**

Deemed to Satisfy RTTV <sub>wall</sub>									
Facade Orientation Facing									
Average Absorptivity									
Average Window to Wall Ratio									
Shading Coefficient of Glazing									
Average Shading Coefficient of Facade									
Visible Light Transmittance	%	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%	%

**Table 2**

RTTV <sub>wall</sub>																					
Facade Orientation Facing	East			North			West			South											
Wall Orientation Factor	1.07			0.79			1.13			0.98											
Total External Wall Area (Residential Units)	1025.49 m <sup>2</sup>	Window to Wall Ratio=		1409.46 m <sup>2</sup>	Window to Wall Ratio=		2880.08 m <sup>2</sup>	Window to Wall Ratio=		2294.21 m <sup>2</sup>	Window to Wall Ratio=										
Total Window Factor	0.00 m <sup>2</sup>	0.00		445.15 m <sup>2</sup>	0.32		1787.23 m <sup>2</sup>	0.62		986.26 m <sup>2</sup>	0.43										
Heat Conduction	Opaque Wall 6.97 W/m <sup>2</sup>			3.86 W/m <sup>2</sup>			1.68 W/m <sup>2</sup>			3.78 W/m <sup>2</sup>											
	Window 0.00 W/m <sup>2</sup>			0.79 W/m <sup>2</sup>			1.15 W/m <sup>2</sup>			0.43 W/m <sup>2</sup>											
Window	Glass Type	<input type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
	External Shading	Overhang	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
		Sidefin	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
Solar Radiation through Glazing	0.00 W/m <sup>2</sup>			6.27 W/m <sup>2</sup>			13.49 W/m <sup>2</sup>			9.22 W/m <sup>2</sup>											
Average Absorptivity	#DIV/0!			0.790510063			0.707959361			0.829703052											
RTTV <sub>wall</sub> at each facade	6.97 W/m <sup>2</sup>			10.92 W/m <sup>2</sup>			16.32 W/m <sup>2</sup>			14.44 W/m <sup>2</sup>											
Overall RTTV <sub>wall</sub>	13.52958647 W/m <sup>2</sup>																				

**Table 2 (Cont)**

RTTV <sub>wall</sub>																					
Facade Orientation Facing	South East			South West			North West			North East											
Wall Orientation Factor	1.05			1.09			0.97			0.92											
Total External Wall Area (Residential Units)	2741.35 m <sup>2</sup>	Window to Wall Ratio=		978.68 m <sup>2</sup>	Window to Wall Ratio=		2535.11 m <sup>2</sup>	Window to Wall Ratio=		1466.69 m <sup>2</sup>	Window to Wall Ratio=										
Total Window Factor	1286.82 m <sup>2</sup>	0.47		0.00 m <sup>2</sup>	0.00		1178.62 m <sup>2</sup>	0.46		0.00 m <sup>2</sup>	0.00										
Heat Conduction	Opaque Wall 3.33 W/m <sup>2</sup>			7.15 W/m <sup>2</sup>			3.71 W/m <sup>2</sup>			7.38 W/m <sup>2</sup>											
	Window 0.47 W/m <sup>2</sup>			0.00 W/m <sup>2</sup>			-0.46 W/m <sup>2</sup>			0.00 W/m <sup>2</sup>											
Window	Glass Type	<input checked="" type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> IGU	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
	External Shading	Overhang	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
		Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Solar Radiation through Glazing	11.54 W/m <sup>2</sup>			0.00 W/m <sup>2</sup>			10.97 W/m <sup>2</sup>			0.00 W/m <sup>2</sup>											
Average Absorptivity	0.728298351			0.609993547			0.818298397			0.742809806											
RTTV <sub>wall</sub> at each facade	16.65 W/m <sup>2</sup>			7.15 W/m <sup>2</sup>			16.29 W/m <sup>2</sup>			7.38 W/m <sup>2</sup>											
Overall RTTV <sub>wall</sub>	13.52958647 W/m <sup>2</sup>																				

**Table 3**

RTTV <sub>roof</sub>											
Roof Orientation Factor	2.16										
Total Roof Area (Residential Units)	298.19 m <sup>2</sup>										
Total Skylight Area	0.00 m <sup>2</sup>										
Heat Conduction	Roof	3.27 W/m <sup>2</sup>									
	Skylight	0.00 W/m <sup>2</sup>									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Solar Radiation through Glazing	0.00 W/m <sup>2</sup>										
Average Absorptivity (roof)	0.8										
Overall RTTV <sub>roof</sub>	3.27 W/m <sup>2</sup>										